EAST PALO ALTO PLANNING COMMISSION
REGULAR SESSION AGENDA

Monday, July 27, 2026, 7:00 PM
East Palo Alto City Hall
2415 University Ave.
East Palo Alto, CA 94303

AMENDED - 7/24/2026

NOTICE

This meeting will be held virtually and in-person at the Council Chambers located on 2415 University Ave, First Floor East Palo Alto, CA 94303. The virtual portion of this Planning Commission meeting will be conducted in accordance with City of East Palo Alto Resolution adopted pursuant to Assembly Bill 361.

The public may participate in the Planning Commission Meeting via Zoom Meeting or by attending in-person in the Council Chambers at 2415 University Ave, First Floor East Palo Alto, CA 94303. Community members may provide comments by submitting a speaker card at the meeting, or using the **RAISE HAND** feature when the Chair or Clerk call for public comment. Emailed comments should include the specific agenda item on which you are commenting.

Please click this URL to join

https://us06web.zoom.us/j/85869089182

Or join by phone:
Dial (for higher quality, dial a number based on your current location):
US: +1 669 900 6833 or
+ 1 346 248 7799 or
+ 1 253 215 8782 or
+ 1 312 626 6799 or
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+ 1 301 715 8592

Webinar ID: 858 6908 9182

International numbers available: https://zoom.us/u/aMWYF4KT

1. CALL TO ORDER AND ROLL CALL

2. APPROVAL OF THE AGENDA

3. APPROVAL OF CONSENT CALENDAR

3.1 Denial of Special Use Permit (SUP26-001) for Continued Operation and Phased Wind-Down of the Infinity Salvage Automobile Recycling Facility

(Project) at 2091 Bay Road

Recommendation:

To memorialize the Planning Commission's denial of the Project at its July 13, 2026, public hearing, staff recommends that the Planning Commission adopt a resolution to:

1. Deny Special Use Permit (SUP26-001) for the continued operation of the automobile recycling facility located at 2091 Bay Road, East Palo Alto for a period of one year, for the purpose of facilitating a phased wind-down and the ultimate cessation of operations. This action is based on the facts and findings articulated by the Planning Commission during the July 13, 2026, public hearing, as reflected in the proposed resolution (Attachment 1), and the Commission's subsequent 6-1 vote denying the Project.
2. Determine that Section 15270 of the California Environmental Quality Act (CEQA) Guidelines the CEQA does not apply to projects that a public agency rejects or disapproves.
3. Acknowledge that the decision shall be final unless an appeal is filed pursuant to East Palo Alto Municipal Code Chapter 18.116 within fifteen (15) days following the date of adoption of the resolution.

3.2 Planning Commission July 13, 2026 Meeting Minutes

Recommendation: Accept the July 13, 2026 Planning Commission Meeting Minutes.

4. PUBLIC COMMENT

5. INFORMATIONAL REPORTS

6. SPECIAL PRESENTATIONS

6.1 Election of Planning Commission Chair and Vice Chair

Recommendation: Select a new Chair and Vice Chair of the Planning Commission for 2026-2027

7. PUBLIC HEARINGS

7.1 Design Review Permit, Vesting Tentative Parcel Map And Tree Removal Permit at 2120-2160 Euclid Avenue Mixed-Use Project AMENDED

Recommendation:

1. Adopt a Resolution Approving Design Review (DR24-002), Vesting Tentative Map (TPM26-004), and Tree Removal Permits (TRP26-009) for 2120-2160 Euclid Avenue Mixed-Use Project;
2. Find that the project is categorically exempt from the California Environmental Quality Act (CEQA) under Class 32 Section 15332 - Infill Development Projects

Amended to include the correct process under the Development Agreement Section. Additionally, Conditions of Approval Attachment 1 Exhibit B was amended to remove duplicate attachment and reflect correct version of document.

8. ADJOURNMENT

Upcoming Meetings:

Regular Meeting	September 14, 2026	7:00pm
Regular Meeting	September 28, 2026	7:00pm
Regular Meeting	October 19, 2026	7:00pm

This AGENDA is posted in accordance with Government Code Section 54954.2(a)

This Notice of Availability of Public Records: All public records relating to an open session item which are not exempt from disclosure pursuant to the Public Records Act, that are distributed to the majority of the Planning Commission will be available for public inspection at 1960 Tate Street, East Palo Alto, CA at the same time that the public records are distributed or made available to the Planning Commission. Such documents may also be available on the East Palo Alto website www.cityofepa.org subject to staff's ability to post the documents prior to the meeting. Information may be obtained by calling (650) 853-3189.

The Planning Commission meeting packet may be reviewed by the public at 1960 Tate Street, East Palo Alto 94303. Any writings or documents pertaining to an open session item provided to a majority of the Planning Commission less than 72 hours prior to the meeting, shall be made available for public inspection at CED office, 1960 Tate Street, East Palo Alto, California 94303 during normal business hours. Information distributed to the Commission at the meeting becomes part of the public record. A copy of written material, pictures, etc. should be provided for this purpose.

East Palo Alto City Council Chambers is ADA compliant. Requests for disability related modifications or accommodations, aids or services may be made by a person with a disability to the City Clerk's office at (650) 853-3127 no less than 72 hours prior to the meeting as required by Section 202 of the Americans with Disabilities Act of 1990 and the federal rules and regulations adopted in implementation thereof.

DECLARATION OF POSTING

This Notice is posted in accordance with Government Code §54954.2(a) or §54956. Members of the public can view electronic agendas and staff reports by accessing the City website. Under penalty of perjury, this Agenda was posted to the public at least 72 hours prior to the meeting.

POSTED: (7/23/2026)

ATTEST:

Ruby Phillips
Secretary II

SEAT	COMMISSIONER	EXPIRES	SEAT	COMMISSIONER	EXPIRES
1	Christopher Kao	5/31/2029	5	Robert Sherrard	5/31/2027
2	Juan Mendez	5/31/2027	6	Javanni Brown-Austin	5/31/2027
3	Robert Allen Fisk	5/31/2028	7	Curtis Monette	5/31/2027
4	Michael Mashack	5/31/2028	8	Isabel Lopez Ysmael	5/31/2027

CONSENT ITEM 3.1

EAST PALO ALTO PLANNING COMMISSION STAFF REPORT

DATE: July 27, 2026

TO: Honorable Chair and Members of the Planning Commission

VIA: Shiri Klima, Assistant City Manager

BY: Michelle Huang, Associate Planner
Salifu Yakubu, Senior Planner
Elena Lee, Planning Manager
Karen Camacho, Interim Community and Economic Development Director

SUBJECT: Denial of Special Use Permit (SUP26-001) for Continued Operation and Phased Wind-Down of the Infinity Auto Salvage Automobile Recycling Facility (Project) at 2091 Bay Road

Recommendation

To memorialize the Planning Commission's denial of the Project at its July 13, 2026, public hearing, staff recommends that the Planning Commission adopt a resolution to:

1. Deny Special Use Permit (SUP26-001) for the continued operation of the automobile recycling facility located at 2091 Bay Road, East Palo Alto for a period of one year, for the purpose of facilitating a phased wind-down and the ultimate cessation of operations. This action is based on the facts and findings articulated by the Planning Commission during the July 13, 2026, public hearing, as reflected in the proposed resolution (Attachment 1), and the Commission's subsequent 6-1 vote denying the Project.

2. Determine that Section 15270 of the California Environmental Quality Act (CEQA) Guidelines the CEQA does not apply to projects that a public agency rejects or disapproves.

3. Acknowledge that the decision shall be final unless an appeal is filed pursuant to East Palo Alto Municipal Code Chapter 18.116 within fifteen (15) days following the date of adoption of the resolution.

Alignment with the City Council Strategic Plan

This recommendation is primarily aligned with the following City Council Strategic Plan priority:

- Land Use, Economic, and Workforce Development Strategy.

Background

The subject property at 2091 Bay Road, East Palo Alto (Property) has operated as an automobile dismantling and recycling facility since approximately 1948, when it was known as Sam's Auto Wreckers. In 1974, the Property was purchased by Mike Baker, who renamed the business Infinity Auto Salvage. The facility has continued operating under that name to the present day.

The 1.96-acre site is located within the Ravenswood Business District / 4 Corners Specific Plan area, which was originally adopted in 2013. It is designated Waterfront Office, a land use designation under which automobile dismantling and recycling are prohibited. Prior to the City's incorporation in 1983 and before adoption of the Specific Plan, the Property was zoned M-1 Light Industrial, where automobile dismantling was permitted subject to approval of a Use Permit.

The requirement for annual Special Use Permit (SUP) renewals was established with the adoption of City Council Ordinance No. 209 on December 16, 1996. Infinity Auto Salvage received its initial Special Use Permit (SUP03-03) on May 27, 2003. Since that time, the business has remained in operation through annually renewed Special Use Permits approved by the Planning Commission.

On December 17, 2024, the City adopted the updated Ravenswood Business District / 4 Corners Specific Plan, along with corresponding amendments to East Palo Alto Municipal Code (EPAMC) Title 18. The updated Specific Plan retained the Property's Waterfront Office land use designation, revised applicable development standards, and continued to prohibit automobile dismantling and recycling as a permitted use. As a result, Infinity Auto Salvage remained dependent upon annual discretionary Special Use Permit approvals to continue operations.

On July 14, 2024, a significant fire occurred at the Infinity Auto Salvage facility, causing extensive damage to the Property and resulting in environmental impacts to surrounding properties, including degraded air quality and the deposition of particulate matter. Following the fire, staff from the City, the County, and the Menlo Park Fire Protection District conducted multiple inspections and documented ongoing compliance issues at the site. These post-fire findings were consistent with the Property's longstanding compliance history. Since 2007, inspections conducted as part of the annual Special Use Permit renewal process found no violations in only two years, 2020 and 2022.

The extensive compliance issues identified following the fire prompted the Planning Commission, during consideration of the December 2024 Special Use Permit renewal application, to approve only a four-month permit, expiring on April 30, 2025. The Commission directed that a compliance review be conducted before the permit expiration to determine whether an extension through the remainder of the year was warranted. However, the compliance review hearing was postponed by staff because the operator remained out of

compliance with multiple conditions of approval and applicable regulatory requirements.

Although the site continued to exhibit unresolved compliance issues, staff developed a phased operational wind-down program that would allow the business to continue operating while simultaneously bringing the Property into compliance and reducing operations over time. The proposed program contemplated annual Special Use Permit approvals over a three-year period, culminating in the cessation of automobile dismantling and recycling operations by December 2029. The proposed wind-down program was presented to the Planning Commission on July 13, 2026.

A more detailed discussion of Infinity Auto Salvage can be found in the July 13, 2026, Planning Commission Staff Report at: https://d3n9y02raazwpg.cloudfront.net/cityofepa/a0e145f6-4b1e-11f1-9b4d-005056a89546-29a637e7-42e3-4737-b76d-b5307e52bbc0-1783631186.pdf.

Analysis

On July 13, 2026, City staff recommended that the Planning Commission approve a final, phased Special Use Permit establishing mandatory compliance milestones, immediate environmental and operational corrective measures, site cleanup requirements, and a defined schedule for the orderly cessation of automobile dismantling and recycling operations. The proposed permit was intended to protect public health and safety while facilitating implementation of the City's adopted land use policies and redevelopment objectives. See the Staff Report at https://d3n9y02raazwpg.cloudfront.net/cityofepa/a0e145f6-4b1e-11f1-9b4d-005056a89546-29a637e7-42e3-4737-b76d-b5307e52bbc0-1783631186.pdf.

Following deliberation, the Planning Commission denied the proposed Special Use Permit by a vote of 6-1. No member of the public spoke in support of the project other than the owner and applicant, Mr. Mike Baker. During his presentation, Mr. Baker described the challenges of maintaining compliance with the Conditions of Approval, attributing many of the operational difficulties to repeated trespassing by unhoused individuals and thieves who, according to Mr. Baker, regularly entered the Property and vandalized the facility. He also stated that the phased wind-down program proposed by City staff was "reasonable."

The Planning Commission, however, concluded that the automobile dismantling operation was incompatible with the surrounding environmentally sensitive lands and should cease after more than seventy years of continuous operation. The Commission further determined that it could not approve the requested permit in light of the operator's long history of noncompliance with the Conditions of Approval and applicable governmental regulations. Commissioners noted that the facility had achieved full compliance with its required conditions during only two years since 2007 and concluded that the administrative record did not support the findings necessary to authorize the continued operation of the use.

The Planning Commission concluded the hearing by directing staff to return at its July 27, 2026, meeting with a resolution reflecting the Commission's findings. In accordance with that direction, staff has prepared the resolution (Attachment 1) and is presenting it for the Planning Commission's consideration and adoption at this public hearing.

Findings Required for Approval of a Use Permit

To approve the requested Special Use Permit, the Planning Commission must be able to make the findings required by East Palo Alto Municipal Code (EPAMC) Section 18.48.190(D)(1), governing vehicle dismantling uses and Section 18.88.060(A), governing Use Permits. Based upon the entire administrative record, the Planning Commission is unable to make the required findings.

1. Finding Required by EPAMC Section 18.48.190(D)(1) - The Planning Commission is unable to make the finding required by EPAMC Section 18.48.190(D)(1) that the proposed use will not be detrimental to the public health, safety, and welfare, or to prevent or abate a nuisance.

    a. Environmental Conditions and Ongoing Threats to Public Health and Safety - The administrative record including the Staff Report, the City's independent environmental compliance review prepared by EKI Environment & Water, Inc. (Technical Memorandum dated September 3, 2025), and the City's site inspections conducted on September 8, 2025, March 26, 2026, and June 18, 2026, documents active, ongoing, and unremediated releases of petroleum products and other automotive fluids into the soil at the Property. During the June 18, 2026, inspection, conducted less than one month before the July 13, 2026, Planning Commission public hearing, City staff observed petroleum fluid discharges onto unpaved soil in multiple locations, without drip pans, secondary containment, or absorbent materials. During the March 26, 2026, inspection, staff observed engines actively leaking petroleum fluids onto unpaved soil throughout the Property, transmissions and drivetrains stored directly on oil-saturated ground and visible accumulations of oil. The EKI Technical Memorandum further documented oil-stained soil and pavement throughout the facility; the tracking of contaminated soil onto Bay Road by trucks and other vehicles leaving the site; the presence of a 55-gallon drum installed below grade beneath the concrete-draining pad for the collection of oil and gasoline, for which no environmental permits were provided and which may be subject to regulation as an underground storage tank; and the storage of used oil, antifreeze, gasoline containers and oil-bearing vehicle components directly on bare ground without cover or secondary containment. EKI concluded that these conditions present a high potential for adverse impacts to soil, groundwater, and stormwater. These documented conditions are particularly significant because they exist after more than seventy years of automobile dismantling operations at the Property, during which no comprehensive soil or groundwater investigation, remediation program, or financial assurance for environmental cleanup has been undertaken. The administrative record further demonstrates that similar environmental violations have persisted despite conditions imposed under prior discretionary permits, indicating a longstanding pattern of noncompliance rather than isolated or temporary deficiencies.

    b. The Property is immediately adjacent to environmentally sensitive tidal wetlands associated with San Francisco Bay and the Ravenswood Open Space Preserve. Given this sensitive location, together with the documented releases of petroleum products and the applicant's demonstrated inability to comply with hazardous materials management, spill prevention, stormwater protection, and fire access requirements, the Planning Commission cannot find that continued operation of the use, even if subject to additional conditions, would not be detrimental to the public health, safety, or welfare of persons

residing or working in the neighborhood of the proposed use, or to the surrounding environment.

c. The Planning Commission further finds that the administrative record does not provide sufficient assurance that the applicant would successfully complete the proposed phased wind-down of operations. The absence of enforceable performance guarantees or financial assurance to ensure compliance with closure obligations provides an additional and independent basis upon which the Commission cannot conclude that continued operation would not be detrimental to the public health, safety, or welfare.

2. Additionally, the Planning Commission is unable to make the findings required by EPAMC Section 18.88.060(A) for approval or conditional approval of a Use Permit as follows:

a. **The proposed use is consistent with the General Plan and any applicable specific plan**

The Planning Commission is unable to make this finding. The proposed automobile dismantling and recycling use is inconsistent with both the General Plan and the Ravenswood Business District / 4 Corners Specific Plan (Specific Plan). The Property is designated Waterfront Office, a land use designation intended to accommodate office, research and development, and other employment-generating uses that further the long-term redevelopment objectives of the Specific Plan. Automobile dismantling and recycling is not a permitted use within this designation.

Furthermore, the applicant's demonstrated inability to operate the facility in compliance with applicable laws and Conditions of Approval renders the proposed use incompatible with surrounding land uses, including the adjacent tidal wetlands, the Ravenswood Open Space Preserve, and other environmentally sensitive resources. Continued operation of the use is therefore inconsistent with the vision, land use policies, and redevelopment objectives established by the General Plan and the Ravenswood Business District / 4 Corners Specific Plan.

b. **The proposed use is allowed within the subject zone and complies with all other applicable provisions of the Development Code and the Municipal Code**

The subject Property is located within the Waterfront Office zoning district of the Ravenswood Business District / 4 Corners Specific Plan. The purpose of the Waterfront Office district is to establish a higher-intensity employment district accommodating professional offices, research and development facilities, industrial and manufacturing uses permitted by the zoning regulations, and supporting commercial uses. Automobile dismantling and recycling is not identified as either a permitted or conditionally permitted use within this zoning district and is therefore prohibited.

In addition, the applicant has failed to demonstrate compliance with other applicable provisions of the Development Code. Specifically, Section 18.48.190(A)(2) requires that each annual permit renewal application be accompanied by a report prepared by a qualified environmental engineer or other qualified professional documenting the results

of an investigation to determine whether the Property has been contaminated by toxic or hazardous materials. As with prior renewal applications, no such report was submitted.

Because the required environmental investigation was not provided, City staff was unable to evaluate whether contamination exists on the Property or determine whether remediation, cleanup measures, or coordination with other governmental agencies having jurisdiction is necessary. Accordingly, the Planning Commission cannot find that the proposed use complies with the Development Code or other applicable provisions of the Municipal Code.

c. **The design, location, size, and operating characteristics of the proposed use are compatible with the allowed uses in the vicinity, as detailed in the General Plan or any applicable Specific Plan**

The Planning Commission is unable to make this finding. Automobile dismantling and recycling is a prohibited use within the Waterfront Office zoning district and is fundamentally incompatible with the employment, office, research, and redevelopment-oriented uses envisioned by the General Plan and the Ravenswood Business District / 4 Corners Specific Plan. Moreover, the operating characteristics of the facility are incompatible with the surrounding environment. The site contains numerous unserviceable vehicles, dismantled engines and transmissions, spent tires, batteries, and other automotive components stored in the open. The storage and handling of these materials present a substantial risk of soil and groundwater contamination through the release of fuels, oils, heavy metals, and other hazardous substances. Given the site's proximity to tidal wetlands, environmentally sensitive habitat, and the Ravenswood Open Space Preserve, auto dismantling is one of the worst possible uses at the site.

d. **Operation of the use at the location proposed would not be detrimental to the harmonious and orderly growth of the City, or endanger, jeopardize, or otherwise constitute a hazard to the public convenience, health, interest, safety, or general welfare of persons residing or working in the neighborhood of the proposed use**

The Planning Commission is unable to make this finding. The fire that occurred on July 14, 2024, resulted in significant environmental impacts, including a large smoke plume visible for several miles and the deposition of particulate matter of unknown composition and toxicity onto surrounding properties. The incident demonstrated the potential public health and environmental risks associated with continued operation of the facility. In light of the operator's documented history of noncompliance with Conditions of Approval and applicable regulations, the Planning Commission cannot conclude that similar incidents are unlikely to recur. Accordingly, the Commission cannot find that continued operation of the use would not endanger or jeopardize the public health, safety, welfare, or convenience of persons residing, working, or recreating in the surrounding area.

e. **The subject site is:**

i. **Physically suitable in terms of design, location, operating characteristics, shape, size, topography, and the provision of public and emergency vehicle (e.g., fire and medical) access and public services and utilities**

The Planning Commission finds that the site is physically capable of accommodating vehicle access, including emergency fire and medical response, and is adequately served by public services and utilities. The Property fronts on Bay Road, providing convenient access for emergency responders and public service providers. The site is largely unimproved and unpaved, with the exception of a small wooden office structure. Most of the Property is used for the outdoor storage of dismantled vehicles, vehicle components, and vehicles awaiting transport to off-site crushing facilities. Although the site is physically accessible, physical suitability alone does not establish that the proposed automobile dismantling use is appropriate or entitled to approval, particularly where the use is prohibited by the applicable zoning regulations and is incompatible with the surrounding area.

ii. **Served by highways and streets adequate in width and improvement to carry the kind and quantity of traffic the proposed use would likely generate**

The Planning Commission finds that the site is served by Bay Road, approximately 1,000 feet east of Pulgas Avenue, and that this singular roadway artery is generally capable of accommodating the vehicle trips associated with deliveries and the transportation of vehicles to off-site processing facilities. Traffic impacts are not the basis for denial of the Special Use Permit.

Conclusion

The Special Use Permit is a discretionary, time-limited entitlement that does not run with the land and confers no vested right upon any person to continue the automobile dismantling and recycling use. The amortization period applicable to the pre-existing nonconforming use expired on December 31, 2002. Since that date, the use has continued solely by virtue of annually renewed discretionary permits. Accordingly, denial of the present application does not deprive the applicant of any vested property right or lawful entitlement to continue the use.

For the reasons set forth above and throughout the administrative record, including the staff report and all evidence presented to the Planning Commission, the Planning Commission denied Special Use Permit Application SUP26-001. The automobile dismantling and recycling operation located at 2091 Bay Road is not authorized and shall cease operation.

Neither the applicant nor the property owner is relieved of any obligation imposed by applicable federal, state, or local law. The applicant and property owner remain subject to all applicable code enforcement, environmental, and regulatory requirements administered by the City of East Palo Alto, the San Mateo County Environmental Health Services Division acting as the Certified Unified Program Agency (CUPA), and any other governmental agency having jurisdiction, including, without limitation, any obligation to investigate, monitor, remediate, or otherwise address contamination or hazardous materials on the Property.

Fiscal Impact

The proposed action or decision has no fiscal impact on the City.

Environmental Review

The denial of the application constitutes disapproval of a project, and under Section 15270 of the California Environmental Quality Act (CEQA) Guidelines the CEQA does not apply to projects that a public agency rejects or disapproves. Therefore, the decision to deny the project is exempt from CEQA. (Pub. Res. Code § 21080(b)(5).

Public Notice

This item was continued from the Planning Commission public hearing held on July 13, 2026, to allow for the preparation and adoption of a Resolution denying the request to renew the Special Use Permit. Notice of the original public hearing was published in the Palo Alto Daily News on June 12, 2026, and the hearing notices were mailed out on July 1, 2026, to addresses within the 300 foot radius of the project site. In addition, the agenda for this meeting and this staff report have been made available on the City's website and posted on the bulletin located at City Hall, located at 2415 University Avenue, East Palo Alto.

Government Code § 84308

Applicability of Levine Act: Yes.

Analysis of Levine Act Compliance: The signatory for the permit application is Michael Baker of Infinity Auto Salvage, 2091 Bay Road, East Palo Alto. Staff is unaware of any other parties or participants relevant to the Commission's consideration of this item.

Attachments

1. Resolution

ATTACHMENT 1

RESOLUTION NO. PCXX-2026

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF EAST PALO ALTO DENYING A SPECIAL USE PERMIT (SUP26-001) FOR THE CONTINUED OPERATION OF AN AUTOMOBILE RECYCLING FACILITY (INFINITY AUTO SALVAGE) AT 2091 BAY ROAD

WHEREAS, Infinity Auto Salvage, an automobile dismantling and recycling business, has operated continually at 2091 Bay Road since 1974, and the site has been used for automobile dismantling purposes since approximately 1948; and

WHEREAS, on December 16, 1996, the City Council adopted Ordinance No. 209, establishing a Special Use Permit requirement for all automobile dismantling operations within the former M-1 Light Industrial Zoning District, with annual renewal required for each permit; and

WHEREAS, on May 27, 2003, the Planning Commission approved Special Use Permit SUP03-03 to allow the continued operation of Infinity Auto Salvage at 2091 Bay Road ("Property"), and the Planning Commission subsequently granted annual extensions of the permit from 2004 through 2023, with the most recent extension, SUP23-001, approved on November 13, 2023; and

WHEREAS, on February 13, 2013, the City Council adopted the Ravenswood / 4 Corners Transit Oriented Development Specific Plan (Specific Plan), which eliminated the M-1 District, redesignated the Property as Waterfront Office, and retained the Special Use Permit requirement for automobile dismantling operations to ensure that such operations do not negatively impact public health, safety, and welfare, or interfere with redevelopment efforts envisioned by the Specific Plan; and

WHEREAS, on December 17, 2024, the City Council adopted the updated Ravenswood Business District / 4 Corners Specific Plan and corresponding amendments to Title 18 of the East Palo Alto Municipal Code, which retained the Property's Waterfront Office land use designation and continued to prohibit automobile dismantling and recycling as a permitted use within the district; and

WHEREAS, on July 14, 2024, a fire broke out at the Property, damaging onsite shipping containers, vehicle parts, wooden shelving, approximately 50+ stacked vehicles, and the drain station; subsequent inspections conducted by City staff documented fire-related damage, incomplete cleanup activities, and persistent compliance issues associated with site operations; and

WHEREAS, on December 9, 2024, the Planning Commission held a duly noticed public hearing and approved Special Use Permit SUP24-001, authorizing the continued operation of the automobile recycling facility through December 31, 2025, subject to Conditions of Approval and Special Conditions of Approval necessary for safe and proper operations; and

WHEREAS, the compliance review required under SUP24-001 was not completed by the April 30, 2025, deadline; the applicant subsequently completed several cleanup and corrective actions, including obtaining clearance from the Menlo Park Fire Protection District on June 5, 2025; and

WHEREAS, in consultation with the City Attorney's Office, the City retained EKI Environment & Water, Inc. ("EKI") to conduct an independent environmental compliance review of the Property; EKI conducted a site walk-through on July 1, 2025, and documented its findings and recommendations in a Technical Memorandum dated September 3, 2025, identifying violations related to stormwater management, hazardous materials storage, battery storage, and other environmental compliance matters; and

WHEREAS, a follow-up inspection conducted by City staff on September 8, 2025, found several violations, including an open and uncovered drain station, a vehicle obstructing the rear fire access lane, and rear perimeter security fencing that was in significant disrepair; and

WHEREAS, a site inspection conducted by City staff on March 26, 2026, found that, despite progress in reducing vehicle inventory and improving site circulation, the facility remained out of compliance with multiple conditions of approval related to environmental management, fire access, site maintenance, and hazardous materials handling; and

WHEREAS, a subsequent inspection conducted by City staff on June 18, 2026, found that vehicle inventory on the Property had increased and that site conditions had deteriorated relative to the March 26, 2026, inspection; and

WHEREAS, the administrative record, including the staff report and its attachments, documents that more than seventy years of automobile salvage activity has likely resulted in soil and groundwater contamination on the Property that has not been investigated or remediated, and that no site investigation, cleanup plan, or financial assurance for cleanup is in place; and

WHEREAS, Special Use Permit SUP26-001 was submitted requesting renewal of the Special Use Permit authorizing the continued operation of an automobile dismantling and recycling facility at the Property for a limited period to facilitate a phased wind-down and eventual cessation of operations by June 30, 2029; and

WHEREAS, the East Palo Alto Planning Commission held a duly noticed public hearing on July 13, 2026, to consider Special Use Permit SUP26-001, an application to renew the Special Use Permit for the continued operation and phased wind-down of the automobile recycling facility; and

WHEREAS, the Planning Commission has reviewed and considered the staff report, supporting documents, inspection photos, written public comments, and all other documentation contained in the administrative record relating to this application, and has provided the applicant and the public an opportunity to be heard; and

WHEREAS, at the public hearing on July 13, 2026, the Planning Commission received the staff report and public testimony and deliberated, expressing on the record that the administrative record did not support confidence that the proposed phased wind-down would be carried out, given the applicant's long history of noncompliance and the absence of enforceable guarantees or financial assurance to ensure performance; and, upon a motion to deny the application based on the applicant's lack of compliance with past permit conditions and concerns for the health and safety of the community, the Commission voted, by six (6) ayes to one (1) no with one member absent, to deny the application and directed staff to prepare this Resolution setting forth the findings in support of that decision for adoption at a subsequent meeting on July 27, 2026; and

WHEREAS, East Palo Alto Municipal Code (EPAMC) Section 18.48.190 requires a conditional use permit for the operation of a vehicle dismantling establishment, provides for an

initial one-year permit subject to annual review and renewal, and vests in the Review Authority the discretion to grant or deny such a permit and to impose, modify, or add conditions as reasonably necessary to protect the public health, safety, and welfare or to prevent or abate a nuisance; and

WHEREAS, automobile dismantling and recycling at the Property has been authorized solely through successive discretionary annual permits issued pursuant to Ordinance No. 209 (codified as EPAMC Section 18.48.190), and has not vested as a legal nonconforming use; the amortization period that Ordinance No. 209, Section 6507.9.7, established for pre-existing nonconforming auto-wrecking and dismantling uses expired on December 31, 2002, and the use has since continued only by virtue of the discretionary annual Special Use Permits; and

WHEREAS, under Ordinance No. 209, Section 6507.9.3, and EPAMC Section 18.48.190(D), renewal of a Special Use Permit for a vehicle dismantling and recycling facility is discretionary, is limited to a one-year term, does not run with the land, creates no vested right in any person to continue the automobile dismantling use, and may be denied if the findings required for approval cannot be made; and

WHEREAS, notice of the public hearing was provided in compliance with EPAMC Sections 18.88.060(B) and 18.106.020 and Government Code Sections 65905 and 65091, including by publication in a newspaper of general circulation and by mailing notice to the owners of all property within 300 feet of the Property as shown on the latest equalized assessment roll, in each case not less than ten (10) days prior to the hearing; and

WHEREAS, based on the administrative record, including the reasons and factual findings set forth in the staff report, the Planning Commission finds that the applicant has not demonstrated the ability to operate the use in compliance with applicable conditions and requirements, and that the findings required for approval of the Special Use Permit under EPAMC Sections 18.48.190(D)(1) and 18.88.050 cannot be made; and

WHEREAS, the denial of the application constitutes disapproval of a project, and under Section 15270 of the CEQA Guidelines the California Environmental Quality Act does not apply to projects that a public agency rejects or disapproves.

NOW, THEREFORE, BE IT RESOLVED THAT THE PLANNING COMMISSION OF THE CITY OF EAST PALO ALTO HEREBY:

Finds, determines, and orders as follows:

A. The foregoing recitals are true and correct and are incorporated herein by reference.

B. The Planning Commission is unable to make the finding required by EPAMC Sections 18.48.190(D)(1) and 18.88.060 that the use will not be detrimental to the public health, safety, or welfare. The administrative record — including the staff report, the City's independent environmental compliance review prepared by EKI Environment & Water, Inc. (Technical Memorandum dated September 3, 2025), the City's site inspections of September 8, 2025, March 26, 2026, and June 18, 2026, and public comments by the applicant during the July 13, 2026, meeting — documents active, ongoing, and unremediated releases of petroleum and other automotive fluids to soil at the Property. At the June 18, 2026, inspection, conducted less than one month before the July 13, 2026, hearing, staff observed petroleum fluid discharges onto unpaved soil in multiple locations, with no drip pans, secondary containment, or absorbent materials in place. At the March 26, 2026, inspection, staff observed engines actively dripping petroleum

fluids onto unpaved soil throughout the property, with transmissions and drivetrains resting directly on oil-saturated soil and visible oil pooling. The EKI review documented oil-stained soil and stained pavement throughout the facility and track-out of stained soil toward Bay Road; a 55-gallon drum installed below grade beneath the concrete containment pad used to remove oil and gasoline from vehicles, for which no environmental permits were provided and which may be subject to regulation under the Underground Storage Tank program; and used oil, antifreeze, and gasoline containers and oil-bearing parts stored on bare ground in unpaved areas without cover or secondary containment. EKI concluded that these conditions present a high potential for chemical impacts to soil, groundwater, and stormwater. These documented releases compound more than seventy years of automobile salvage activity at the Property, none of which has been the subject of any soil or groundwater investigation, cleanup plan, or financial assurance for cleanup, and they persist despite repeated conditions of prior permits directed at the same violations. Given the Property's location immediately adjacent to tidal San Francisco Bay wetlands and the Ravenswood Open Space Preserve, and the applicant's demonstrated and continuing inability to control releases or to comply with hazardous materials, stormwater, spill-prevention, and fire-access requirements, the Commission cannot find that continued operation, even as conditioned, would not be detrimental to the public health, safety, and welfare or to the surrounding environment. The Commission further finds that the administrative record does not support confidence that the proposed phased wind-down would be carried out, and that the absence of enforceable guarantees or financial assurance to ensure the applicant's performance provides a further, independent basis on which the Commission is unable to find that continued operation, even as conditioned, would not be detrimental to the public health, safety, and welfare.

C. The Planning Commission is unable to make the findings required by EPAMC Section 18.88.060 that the use is consistent with the General Plan and the Ravenswood Business District / 4 Corners Specific Plan, is compatible with surrounding uses, and would not be detrimental to the harmonious and orderly growth of the City, or endanger, jeopardize, or otherwise constitute a hazard to the public convenience, health, interest, safety, or general welfare of persons residing or working in the neighborhood of the proposed use. The Property is designated Waterfront Office, a designation under which automobile dismantling and recycling is not a permitted use, and the applicant's demonstrated inability to operate in compliance with conditions of prior Special Use Permits renders the use, as proposed, incompatible with the surrounding sensitive uses, including the adjacent tidal wetlands and the Ravenswood Open Space Preserve, and inconsistent with the redevelopment objectives of the Specific Plan.

D. The Special Use Permit is a discretionary, time-limited permit that does not run with the land and vests no right in any person to continue the automobile dismantling use. Because the amortization period for the pre-existing nonconforming use expired on December 31, 2002, and the use has since continued only by virtue of the discretionary annual permit, denial of the application does not deprive the applicant of any vested right.

E. The denial of the application is not subject to the California Environmental Quality Act. Pursuant to CEQA Guidelines Section 15270, CEQA does not apply to projects that a public agency rejects or disapproves.

F. For the reasons set forth above and in the administrative record, including the staff report, the Planning Commission DENIES the application for Special Use Permit SUP26-001. The automobile dismantling and recycling use at 2091 Bay Road is not authorized and shall cease immediately upon approval of this Resolution.

G. Nothing in this Resolution relieves the applicant or property owner of any obligation under applicable law, and the applicant and property owner remain subject to all applicable code enforcement and environmental and regulatory requirements administered by the City, the San Mateo County Environmental Health Services Division as Certified Unified Program Agency, and any other governmental agency with jurisdiction, including any requirement to investigate and remediate contamination on the Property.

PASSED on the 13th day of July 2026, by the following vote:

AYES: Kao, Sherrard, Mashack, Brown-Austin, Mendez, Ysmael

NOES: Fisk

ABSTAIN: None

ABSENT: Monette

AND ADOPTED on this 27th day of July 2026, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

SIGNED:

Robert Sherrard, Chair

ATTEST:

Bryan Tran, Planning Clerk

APPROVED AS TO FORM:

John D. Lê, City Attorney

CONSENT ITEM 3.2

EAST PALO ALTO PLANNING COMMISSION STAFF REPORT

DATE: July 27, 2026

TO: Honorable Chair and Members of the Planning Commission

VIA: Karen Camacho, Interim Director of Community and Economic Development Department

BY: Ruby Phillips, Secretary II, CEDD

SUBJECT: July 13, 2026, Planning Commission Meeting Minutes

Recommendation

Accept the July 13, 2026 Planning Commission Meeting Minutes.

Attachments

1. July 13, 2026, Planning Commission Meeting Minutes.

CITY OF EAST PALO ALTO
PLANNING COMMISSION
REGULAR MEETING MINUTES

July 13, 2026, 7:00 p.m.
EPA Government Center
City Council Chamber
East Palo Alto, CA 94303

1. CALL TO ORDER AND ROLL CALL

The meeting was called to order at 7:05 p.m. by Chair Sherrard.

Attendee Name	Title	Status	Arrived
Chris Kao	Commissioner	Present	
Juan Mendez	Commissioner	Present	
Robert Allen Fisk	Commissioner	Present	
Michael Mashack	Commissioner	Present	
Robert Sherrard	Chair	Present	
Javanni Brown-Austin	Commissioner	Present	
Curtis Monette	Commissioner	Absent	
Isabel Lopez Ysmael	Alternate Commissioner	Present	

Chair Sherrard promoted Commissioner Ysmael to a voting member and recognized Commissioner Monette with an excused absence.

2. APPROVAL OF AGENDA

Chair Sherrard made a recommendation to amend the agenda by continuing item 6.1 regarding the "The Election of Chair and Vice Chair**"** to the next Planning Commission regular meeting on July 27, 2026**.** The item would be continued due to the absence of Commissioner Monette.

Commissioner Mashack made a motion to approve the agenda with the aforementioned amendment. It was seconded by Commissioner Mendez and unanimously approved.

RESULT:	Motion Carried (7-0)
MOTION BY:	Mashack

SECOND:	Mendez
AYES:	Sherrard, Kao, Mashack, Brown-Austin, Allen Fisk, Mendez, Ysmael
NOES:	
ABSTAIN:	
ABSENT:	Monette

Item 6.1 regarding the "The Election of Chair and Vice Chair" was moved to the July 27, 2026 Planning Commission Meeting.

3. APPROVAL OF CONSENT CALENDAR

3.1) Planning Commission April 27, 2026 and May 11, 2026 Meeting Minutes

Recommendation: Accept the April 27, 2026 and May 11, 2026 Planning Commission Meeting Minutes.

Commissioner Brown-Austin abstained from approving the April 27, 2026 Planning Commission Meeting Minutes due to her absence.

Commissioner Kao noted a typo in the April 27,2026 Meeting Minutes regarding item 3.1, "April 13, 2026, Planning Commission Meeting Minutes". Commissioner Kao noted that April 33, 2026 should be corrected as April 13, 2026 Planning Commission Meeting.

Commissioner Kao made a motion to approve the agenda with the amendment that April 33 should be corrected to April 13, 2026 Planning Commission Meeting Minutes. It was seconded by Commissioner Allen Fisk and approved.

RESULT:	Motion Carried (6-0-1)
MOTION BY:	Kao
SECOND:	Allen Fisk
AYES:	Sherrard, Kao, Mashack, Allen Fisk, Mendez, Ysmael
NOES:	
ABSTAIN:	Brown-Austin
ABSENT:	Monette

4. PUBLIC COMMENT

Speaker Mora O. of the YCS Youth Community Service informed the Commission of a Community Open House event hosted by Stanford University on July 16, 2026 at 994 Beech Street in East Palo Alto.

5. INFORMATIONAL REPORTS

Planning Manager Elena Lee made the following announcements:

- The City Council on July 7h, 2026 approved an amendment to the Woodland Park Development Agreement (DA). The DA will return to City Council on July 21, 2026 for second reading.

- The City Council also approved the Temporary Housing Development Incentive Program (THDIP) on July 7th, 2026. The Item is to be heard by the Planning Commission at this meeting.

6. SPECIAL PRESENTATIONS

None.

7. PUBLIC HEARINGS

Commissioner Mashack made a motion to open public hearing for items 7.1 and 7.2. It was seconded by Commissioner Kao and approved unanimously.

RESULT:	Motion Carried (7-0)
MOTION BY:	Mashack
SECOND:	Kao
AYES:	Sherrard, Kao, Mashack, Brown-Austin, Allen Fisk, Mendez, Ysmael
NOES:	
ABSTAIN:	
ABSENT:	Monette

7.1) Special Use Permit (SUP26-001) for Continued Operation for one year and Phased Wind-Down of the Infinity Salvage Automobile Recycling Facility at 2091 Bay Road.

Recommendation: Adopt a resolution:
1. Approving a Special Use Permit (SUP26-001) for the continued operation of the automobile recycling facility located at 2091 Bay Road, East Palo Alto for a period of one year, for the purpose of facilitating a phased wind-down and ultimate cessation of operations, subject to the Conditions of Approval in Exhibit A. Noncompliance with any condition of approval shall constitute grounds for initiation of revocation proceedings pursuant to City of East Palo Alto Municipal Code (EPAMC) Section 18.112.030.

2. Finding the project is categorically exempt pursuant to Section 15301 of the California Environmental Quality Act (CEQA), which exempts the continued operation of existing facilities involving negligible or no expansion of existing use.

Senior Planner Salifu Yakubu and Attorney Lance Bayer presented the site, code enforcement history, public comment letters, and recommended action for SUP26-001.

Commissioners provided comments and questions to both Staff and Applicant Michael Baker regarding the intentions, enforcement mechanisms, and site history for SUP 26-001. Commissioner Kao disclosed that he has previously had a conversation with the applicant regarding the project.

Staff and applicant Michael Baker responded to Commission's questions. Resident Luis Rosas also provided public comment regarding SUP26-001.

Commissioner Brown-Austin motioned to deny the item 7.1 with "the understanding that the lack of compliance with the past risks adverse effects to the health and safety of the community."

City Attorney John Le advised the Commission to amend their motion to instruct staff to return to the Commission with a draft denial resolution. Commissioner Brown-Austin amended her motion as recommended. The motion was seconded by Commissioner Ysmael and approved.

RESULT:	Motion Carried (6-1)
MOTION BY:	Brown-Austin
SECOND:	Ysmael
AYES:	Sherrard, Kao, Mashack, Brown-Austin, Mendez, Ysmael
NOES:	Allen Fisk
ABSTAIN:	

ABSENT:	Monette

Chair Sherrard directed staff to present findings and draft denial resolution at the July 27th, 2026 regular Planning Commission Meeting.

7.2) Findings for Temporary Housing Development Incentive Program Ordinance.

Recommendation: Staff recommends that the Planning Commission adopt a resolution recommending that the City Council adopt the following findings:

1. Based on the findings required by East Palo Alto Municipal Code (EPAMC) Section 18.114.060, the proposed Temporary Housing Development Incentive Program (THDIP) Ordinance is consistent with the General Plan, including the Housing Element, and supports the City's ability to meet its Regional Housing Needs Allocation (RHNA) by income category; will not be detrimental to the public interest, health, safety, convenience, or welfare of the City; and is internally consistent with the Development Code; and
2. The proposed actions do not constitute a "project" within the meaning of the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Sections 15378(b)(4), 15378(b)(5), and 15061(b)(3).

Housing Project Manager Yajaira Morales presented the background, features, standards for review, consistency with the General Plan, and recommendation for the THDIP.

Commissioners provided comments and questions regarding the effects of the THDIP and its compliance with the City's General Plan.

Commission opened the item for public comment. Public comments were presented by residents, Fili, Kenia Najar, Mora O, Ravneel, Kyra Brown, and Luis Rosas.

Assistant City Manager Shiri Klima, interim Community Development Director Karen Camacho, City Attorney John Le, Housing Project Manager Yajaira Morales, and Planning Manager Elena Lee provided response to Commission's questions.

Commissioner Allen Fisk motioned to deny item 7.2 as "the TDHIP is not consistent with Goal 1 of the General Plan Housing element to create more housing opportunities and more housing that is affordable to East Palo Alto residents." Additionally, Commissioner Allen Fisk added that the THDIP will be "detrimental to the health, safety, convenience, and well-being of the community." The motion was seconded by Commissioner Brown-Austin and approved.

RESULT:	Motion Carried (5-2)

MOTION BY:	Allen-Fisk
SECOND:	Brown-Austin
AYES:	Sherrard, Mashack, Brown-Austin, Mendez, Allen Fisk
NOES:	Kao, Ysmael
ABSTAIN:	
ABSENT:	Monette

8. POLICY AND ACTION

None.

9. ADJOURNMENT

The meeting was adjourned at 9:37 pm.

_____

Planning Commission Clerk

_____

Planning Commission Chair

SPECIAL PRESENTATION ITEM 6.1

EAST PALO ALTO PLANNING COMMISSION STAFF REPORT

Date: July 27, 2026

To: Honorable Chair and Members of the Planning Commission

From: Elena Lee, Planning Manager
Shiri Klima, Assistant City Manager
Karen Camacho, Interim Community & Economic Development Director

Subject: Election of Chair and Vice Chair

Recommendation

Select a new Chair and Vice Chair of the Planning Commission for 2026-2027.

Background

Section 7.03 of the City of East Palo Alto Rules of the Planning Commission (Attachment 1) provides that the Planning Commission elects officers each July. The selection of the current Chair and Vice Chair occurred last at an election on June 9, 2025. Chair Robert Sherrard and Vice Chair Uriel Hernandez were elected by the Commission for the 2025-2026 term. Consistent with the Section 7.03, the election of the 2025-2026 term has been agendized for this meeting, due to appointment of new Commissioner terms on May 12, 2026 by the City Council.

Nomination Process

Staff recommends the following selection process:

The Chair asks the Commission for nominations for the position of Chair for 2025-2026. Any Commission member may nominate someone other than herself or himself (including the sitting Chair) for the position. The Chair asks each person named if she or he is willing

to serve before declaring that person nominated. If there are no nominations, the Chair may make a nomination. When it appears that no further nominations will be made, the Chair announces that the nominations are closed.

If only one Commissioner is nominated, the Chair calls for a vote on the nomination. The nominated Commissioner must receive a majority of the affirmative votes from members present and voting to be selected as Chair.

If more than one Commission member has been nominated, the Chair calls for a vote on the first person nominated. If that individual receives a majority of votes, the Chair shall declare that person selected as the new Chair and the voting concludes. If not, the Chair shall call for a vote for the second individual (and any subsequent persons) in the same manner until someone receives a majority of affirmative votes and is declared Chair. The process then repeats for the position of Vice Chair among the remaining members of the Planning Commission.

Fiscal Impact

No fiscal impact is associated with this action.

Public Notice

The public was provided notice by making the agenda and report available on the City's website and on a bulletin board located at City Hall: 2415 University Avenue, East Palo Alto.

Environmental

The proposed action does not constitute a "project" with the meaning of the California Environmental Quality Act ("CEQA") pursuant to CEQA Guidelines sections 15378(b)(4) and (5) in that it is a governmental fiscal, organizational or administrative activity that will not result in direct or indirect changes in the environment.

CITY OF EAST PALO ALTO

RULES OF THE PLANNING COMMISSION

Adopted: October 14, 2003
Updated: November 14, 2011

RULE 1: COMMISSION RULES

Section 1.01 DEFINITION

The term **Rule** shall mean a regulation or set of regulations, governing actions, resolutions, policies and procedures of the City of East Palo Alto Planning Commission.

Section 1.02 ADOPTION AND AMENDMENTS OF RULES OF THE EAST PALO ALTO PLANNING COMMISSION

In carrying out its authority, functions, powers and duties, the City of East Palo Alto Planning Commission, from time to time, many enact and adopt **Rules** which are not in conflict with the City's Municipal Codes and Zoning Regulations.

A **Rule** shall be adopted or amended by a motion duly seconded, and passed by a majority vote of the City of East Palo Alto Planning Commission.

Section 1.03 NOTICE OF PROPOSED RULES

There is no requirement for notice of proposed **Rules** and there is no requirement for public hearings on proposed **Rules** proposed for adoption.

Section 1.04 MAINTENANCE OF RULES

The City Planning Manager shall compile in orderly sequence such **Rules** adopted by the City of East Palo Alto Planning Commission for the purposes of distribution, transmittal or maintenance of public record and shall retain them for public access.

Further, the City Planning Manager shall notify the City of East Palo Alto Planning Commission of any legislative or Court action that would require the amendment, modification or rescission of **Rules** adopted by the Commission.

RULE 2: COMMISSION RESOLUTIONS

Section 2.01 DEFINITION

The term **Resolution** shall mean an action, decision or an expression of opinion by the City of East Palo Alto Planning Commission.

Section 2.02 AUTHORITY TO ADOPT RESOLUTIONS

In carrying out its authority, functions, powers and duties, the City of East Palo Alto Planning Commission, from time to time, may enact and adopt **Resolutions** which are not specifically provided for herein, and which are not in conflict with the Municipal Code and Zoning Regulations.

Section 2.03 NOTICE OF PROPOSED RESOLUTIONS

The City of East Palo Alto Planning Commission shall hold at least one (1) public hearing prior to the adoption of any proposed **Resolution**. Said hearing shall be conducted only after the proposed **Resolution** has been placed on the agenda pursuant to the Brown Act and noticed pursuant to the public hearing procedures described in the Zoning Regulations.

Section 2.04 MAINTENANCE OF RESOLUTIONS

The City Planning Manager shall compile in orderly sequence such **Resolutions** adopted by the City of East Palo Alto Planning Commission for the purposes of distribution, transmittal or maintenance of public record and shall retain them for public access.

Further, the City Planning Manager shall notify the City of East Palo Alto Planning Commission of any legislative or Court action that would require the amendment, modification, or rescission of **Resolutions** adopted by the Commission.

RULE 3: COMMISSION POLICIES

Section 3.01 DEFINITION

The term **Policy** shall mean a principle or chosen course of action to guide the decision-making function of the City of East Palo Alto Planning Commission.

Section 3.02 AUTHORITY TO ADOPT POLICIES

In carrying out its authority, functions, powers and duties, the City of East Palo Alto Planning Commission, from time to time, may enact and adopt **Policies** which are not specifically provided for herein, and which are not in conflict with the Municipal Code and the Zoning Regulations.

Section 3.03 NOTICE OF PROPOSED POLICIES

The East Palo Alto Planning Commission shall hold public hearings prior to the adoption of any proposed **Policy**. Said hearing shall be conducted only after the proposed policy has been placed on the agenda pursuant to the Brown Act and noticed pursuant to the public hearing procedures described in the Zoning Regulations.

Section 3.04 MAINTENANCE OF POLICIES

The City Planning Manager shall compile in orderly sequence such **Policies** adopted by the City of East Palo Alto Planning Commission for the purposes of distribution, transmittal or maintenance of public record and shall retain them for public access.

Further, the City Planning Manager shall notify the City of East Palo Alto Planning Commission of any legislative or Court action that would require the amendment, modification, or rescission of **Policies** adopted by the Commission.

RULE 4: COMMISSION PROCEDURES

Section 4.01 DEFINITION

A **Procedure** is defined as an established series of steps to getting something done.

Section 4.02 AUTHORITY TO ADOPT PROCEDURES

In carrying its authority, functions, powers and duties, the City of East Palo Alto Planning Commission and City Planning Manager may, from time to time, adopt **Procedures** which are not in conflict with the Municipal Code and the Zoning Regulations.

Section 4.03 NOTICE OF PROPOSED PROCEDURES

There is no requirement for notice of **Procedures** and there is no requirement for public hearings on **Procedures** proposed for adoption.

Section 4.04 MAINTENANCE OF PROCEDURES

The City Planning Manager shall compile in orderly sequence such **Procedures** adopted by the City of East Palo Alto Planning Commission for the purposes of distribution, transmittal or maintenance of public record and shall retain them for public access.

Further, the City Planning Manager shall notify the City of East Palo Alto Planning Commission of any legislative or Court action that would require the amendment, modification or rescission of **Procedures** adopted by the Commission.

RULE 5: COMMISSIONER ATTENDANCE

Section 5.01 PURPOSE

This **RULE** is adopted for the purpose of ensuring that City of East Palo Alto Planning Commission Meetings are carried out in an effective manner.

Section 5.02 ATTENDANCE

All members of the City of East Palo Alto Planning Commission shall make a good effort to attend all regular and special meetings of the City of East Palo Alto Planning Commission. If, for good reason, a Commissioner is unable to attend a scheduled meeting, said Commissioner shall inform the Planning Division Office and/or the Chair of the Planning Commission before the start of the scheduled meeting. The Chair of the City of East Palo Alto Planning Commission shall declare the Commissioner's absence as an **excused absence**. An unexcused absence would mean that the Commissioner did not inform the Planning Division and/ or the Chair of the Planning Commission before the start of the scheduled meeting. The minutes of the meeting shall state that the Commissioner's absence was an **excused absence.**

Three (3) absences within a period of four months by a Commissioner, regardless of whether the absences were excused or unexcused, may result in a consideration and/or action by the City of East Palo Alto to forward a report to the City of East Palo Alto City Council regarding the frequency of the **absences** of said Commissioner.

PROCEDURE 6: CONTINUANCE AND RESCHEDULING

Section 6.01 PURPOSE

This **PROCEDURE** is adopted for the purpose of informing applicants and members of the public on the process for requesting and granting continuances or rescheduling of applications pending before the City of East Palo Alto Planning Commission.

Section 6.02 REQUEST FOR CONTINUANCE OR RESCHEDULING

All requests for **continuances or rescheduling** shall be made in writing and delivered to the City Planning Manager prior to the date of a City of East Palo Alto Planning Commission meeting on which a public hearing or deliberation on an application has been placed on the agenda. Such written request may be mailed, delivered or transmitted electronically to the City Planning Manager. The party requesting **continuance or rescheduling** shall have responsibility of ensuring that the request for continuance or rescheduling has been received by the City Planning Manager prior to the start of the meeting.

Section 6.03 ACTION ON REQUEST FOR CONTINUANCE OR RESCHEDULING

If the party requesting the **continuance or rescheduling** is the applicant, and if the request for **continuance or rescheduling** is made prior to the filing of a legal advertisement in the newspaper (if required), the City Planning Manager may approve or deny such request for **continuance.**

If the party requesting the **continuance** is the applicant, and the request for **continuance** is made after the filing of a legal advertisement in the newspaper, the request for **continuance** must be considered by the City of East Palo Alto Planning Commission during the meeting when the item was originally scheduled. The City of East Palo Alto Planning Commission shall, by motion and vote of a majority of the voting members, grant or deny the request for **continuance.**

If the party requesting the **continuance or rescheduling** is not the applicant regardless of when the request was received by the City Planning Manager, the request for **continuance or rescheduling** must be considered by the City of East Palo Alto Planning Commission during the meeting when the item was originally scheduled. The City of East Palo Alto Planning Commission shall, by motion and vote of a majority of the voting members, grant or deny the request for **continuance or rescheduling.**

Section 6.04 ATTENDANCE AT PUBLIC HEARING

The applicant or her/his duly appointed representative should be present at the public hearing for all applications pending before the City of East Palo Alto Planning Commission. The City of East Palo Alto Planning Commission hereby directs Planning Division staff to inform all applicants of the Commission's procedures on applications where the applicant or her/his duly appointed representative is not present at the public hearing.

It is the policy of the City of East Palo Alto Planning Commission to **continue** the public hearing on an application if the applicant or her/his duly appointed representative is not at the public hearing for the application. If the applicant or her/his duly appointed representative is not able to attend the public hearing for an application pending before the City of East Palo Alto Planning Commission, the applicant may submit a written request for the City of East Palo Alto Planning Commission to hold the public hearing and act on the application. The applicant shall have responsibility of ensuring that the request for the City of East Palo Alto Planning Commission to hold the public hearing and act on the application has been received by the City Planning Manager prior to the start of the meeting.

Section 6.05 ACTION ON REQUEST FOR ACTION

The City of East Palo Alto Planning Commission shall consider a request to hold the public hearing and shall, by motion and vote of a majority of the voting members, grant or deny the request to hold the public hearing and act on the application.

If the action by the City of East Palo Alto Planning Commission to hold the public hearing and act on the application results in a need for an application to be renoticed and reconsidered by the City of East Palo Alto Planning Commission (e.g., the applicant was not in attendance to provide information or the applicant does not agree with the actions of the City of East Palo Alto Planning Commission), the applicant shall bear the full cost of renoticing the application for public hearing by the City of East Palo Alto Planning Commission.

RULE 7: ELECTION OF COMMISSION OFFICERS

Section 7.01 OFFICERS OF THE EAST PALO ALTO PLANNING COMMISSION

The City of East Palo Alto Planning Commission shall elect officers of the Commission. The officers shall consist of a **CHAIR** and **VICE-CHAIR.**

Section 7.02 DUTIES OF OFFICERS

The **CHAIR** of the City Planning Commission shall run / chair all the meetings of the City of East Palo Alto Planning Commission. The **CHAIR** of the City Planning Commission shall work with the City Planning Director / City Planning Manager to ensure the preparation and proper dissemination of the agendas and reports for the City Planning Commission meetings. The **CHAIR** of the City Planning Commission shall have the authority to establish committees of the Planning Commission and to appoint members to such committees. Committee members shall be limited to the members of the City Planning Commission. During meetings of the City Planning Commission, the **CHAIR** shall have the authority to make changes to the agenda and to table items on the agenda. The rescheduling of tabled items is the purview of the **CHAIR** of the City Planning Commission.

The **VICE-CHAIR** of the City Planning Commission shall perform the duties of the **CHAIR** of the City Planning Commission in the absence of the **CHAIR.**

Section 7.03 ELECTION OF OFFICERS

The City of East Palo Alto Planning Commission shall hold election of officers every year. Regular elections shall be held in July, starting in July 2003. Special elections shall be held to fill a vacancy of the post of **CHAIR** or **VICE-CHAIR**. There shall be no term limits for officers of the City Planning Commission.

RULE 8: RECONSIDERATION

Section 8.01 REQUEST FOR RECONSIDERATION

The Planning Commission may approve a **request for reconsideration** of an action taken by the Planning Commission if the party submitting such a request presents new material information not previously considered by the Planning Commission.

The **request for reconsideration** shall be made in writing on a form prescribed by the Planning Director and submitted to the Planning Division within ten (10) calendar days from the meeting at which the Planning Commission acted on the application for which such **request for reconsideration** is made. The written request submitted to the Planning Division shall describe what new material information is to be presented to the Planning Commission that may be the basis for a change on the Planning Commission's action. The party **requesting reconsideration**, whether the applicant or other interested party, shall also indicate on the prescribed form that he/she will withdraw any appeal filed with the City Council if the Planning Commission agrees to hold a new public hearing to consider the application.

Section 8.02 PROCEDURE Of THE PLANNING COMMISSION

The Planning Director shall include **the request for reconsideration** as an action item in the agenda for the next available Planning Commission meeting.

The Planning Commission, by vote, shall deny or approve the **request for reconsideration.** The motion shall be made by a member of the Planning Commission who voted with the prevailing party on the decision that is the subject of the **request for reconsideration.** If the Planning Commission acts to reconsider its previous action on an application, the Planning Commission shall, in consultation with the Planning Director, identify the next available date to calendar the item for a new public hearing which shall be noticed in accordance with the applicable notice requirements in the Zoning Regulations. Due to public notification requirements, the date for the new public hearing shall be no less than fourteen (14) calendar days from the day the Planning Commission acts on the request for reconsideration.

Section 8.03 SUBMITTAL REQUIREMENTS

The new information shall be submitted to the Planning Division at least ten (10) calendar days prior to the hearing date set for the reconsideration.

There shall be no **request-for-reconsideration** fee. However, if the Planning Commission agrees to reconsider its decision and sets a date for a new public hearing, the party **requesting reconsideration** shall pay a public notification fee for the new public hearing within two (2)

calendar days following the date of the Planning Commission's decision regarding reconsideration.

Section 8.04 CONCURRENT APPEAL TO THE CITY COUNCIL BARRED

The Planning Commission shall not hold a new public hearing nor take any subsequent action concerning the item that is the subject of the **request for reconsideration** if the applicant fails to withdraw his or her appeal to the City Council or the City Council has commenced public hearing proceedings on an appeal on the action of the Planning Commission that is the subject of the **request for reconsideration.**

RULE 9: RESERVED

RULE 10: REGULAR PLANNING COMMISSION MEETING AGENDAS

Section 10.01 PURPOSE

The City of East Palo Alto Planning Commission has established rules regarding the organization of regular Planning Commission meeting agendas.

Section 10.02 RECURRING ITEMS

The following items shall be routinely placed on the agenda for Regular Planning Commission meetings:

1. Roll Call
2. Approval of Agenda
3. Consent Calendar
4. Open Forum
5. Planning Commission Subcommittee updates
6. Communication Items
7. Planning Commission Matters, Staff Updates and Calendars

Section 10.03 LENGTH OF MEETINGS

The Planning Commission has established a goal of limiting regular Planning Commission meetings to no more than three (3) hours, when feasible. In the event that, in the judgment of the Planning Commission, there are important or time sensitive items, meetings may be expanded to last longer than three (3) hours. No new items shall be considered after three (3) hours unless approved by a majority vote of the Planning Commissioners present.

Section 10.04 ORGANIZATION OF ITEMS

In the event that a meeting is anticipated to last longer than three (3) hours, the Consent Calendar, Planning Commission Subcommittee updates, Communication Items and Planning Commission Matters, Staff Updates and Calendars shall be moved to the end of the agenda.

Section 10.05 CONTINUED ITEMS

Public Hearing items that have been continued from a previous meeting shall be placed ahead of new public hearing items on the agenda.

PROCEDURE 11: COMMUNICATING DISSENTING OPINIONS

Section 11.01 PURPOSE

In the event that a Planning Commissioner votes against the majority of the Planning Commission on a particular item, and desires to have their dissenting opinion clearly reflected in the administrative record, the Commissioner has the option of filing a "Record of Dissenting Opinion", which is a written document which explains the rationale behind the Commissioner's dissenting vote. The Record of Dissenting Opinion would be made part of the administrative record and would be provided to the City Council in the event that Council reviews that particular item.

Section 10.02 TIMELINE FOR FILING A RECORD OF DISSENTING OPINION

A Record of Dissenting Opinion must be submitted in writing to Planning Division staff within 10 days of the date of the decision and shall include a written explanation of the rationale behind the dissenting vote.

Section 10.03 INCLUSION IN THE ADMINISTRATIVE RECORD

Upon receiving a Record of Dissenting Opinion, staff shall file the document in the administrative record.

Section 10.04 FORWARDING TO CITY COUNCIL

In the event that the City Council reviews an item which has a Record of Dissenting Opinion on file, the Record of Dissenting Opinion shall be forwarded to the City Council for their consideration.

EAST PALO ALTO PLANNING COMMISSION STAFF REPORT

DATE: July 27, 2026

TO: Honorable Chair and Members of the Planning Commission

BY: Alvin Jen, Associate Planner
Elena Lee, Planning Manager
Karen Comacho, Interim Community and Economic Development Director
Shiri Klima, Assistant City Manager

SUBJECT: Design Review Permit, Vesting Tentative Parcel Map, and Tree Removal Permit for the 2120-2160 Euclid Avenue Mixed-Use Project

Recommendation

1. Adopt a Resolution approving Design Review (DR24-002), Vesting Tentative Map (TPM26-004), and Tree Removal Permits (TRP26-009) for a proposed mixed-use development at 2120-2160 Euclid Avenue; and
2. Finding that the project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15332 (Class 32 - Infill Development Projects).

Alignment with City Council Strategic Plan

This recommendation is primarily aligned with the following City Council Strategic Plan priority:

Promote Housing, Economic and Workforce Development

Background

The Pacific Companies (Applicant) submitted an application for a proposed mixed-use development at 2120–2160 Euclid Avenue (Assessor's Parcel Number (APN): 063-292-380). The approximately 4.09-acre project site carries a General Plan land use designation and zoning of Mixed-Use High (MUH). The proposed project consists of:

- 430 multifamily rental units, all of which would be deed-restricted affordable across two buildings (Building A: 220 units; Building B: 210 units);
- Approximately 2,000 square feet of ground-floor retail space in Building A; and

- A Vesting Tentative Parcel Map (VTPM) to subdivide the site into two parcels consisting of Parcel 1 (1.83 acres) and Parcel 2 (2.25 acres).

The Ravenswood City School District (RCSD) (Property Owner) currently operates its district offices, maintenance facilities, and bus yard on the property.

The project is intended to provide affordable housing opportunities for RCSD staff and teachers, East Palo Alto residents, and those who work within the City or have been displaced from a residence in the City.

Figure 1: Existing Parcel

Project History

On November 20, 2023, USA Properties (the former applicant), on behalf of the Property Owner, submitted a preliminary application (PRE23-002) for a mixed-use project. Planning staff presented the preliminary application to the Planning Commission during a study session on February 26, 2024. On May 9, 2024, the former applicant subsequently submitted an application (PRE24-002) seeking to vest rights under Government Code Section 65589.5(o)(1), also known as Senate Bill (SB) 330 or the Housing Crisis Act. The rights vested under SB 330 include freezing the City requirements for the proposed developments to the ordinances, policies development impact fees and development standards in effect when the SB 330 preliminary application was submitted.

Additionally, in compliance with the City's Preliminary Application Community Outreach Policy and Municipal Code, USA Properties mailed project notices and invitations to a community meeting to all property owners and occupants within 300 feet of the project site; held a community meeting on December 13, 2023, at the Ravenswood School District offices, attended by approximately 14 community members; and presented the project during the Planning Commisssion study session on February 26, 2024.

Community members and the Planning Commission provided feedback to the USA Properties on the following topics:

- Potential traffic impacts;
- Construction related impacts;
- Parking availability;
- Building massing and visual impacts;
- Future impacts on School District operations;
- Unit sizes;
- Ownership and leasing structure;
- Preference for local residents as future tenants; and

- The location of the proposed retail space.

Following the conclusion of the City-required preliminary review process, including the community outreach and Planning Commission meeting, a formal application was submitted in June 2024, while staff concurrently processed the SB 330 preliminary application. The SB 330 application was deemed complete on August 29, 2024. The Applicant conducted an additional community meeting on March 6, 2025, to present the formal project proposal. The meeting was held at the RCSD offices with around ten attendees. Public comments from this meeting were similar to those received during the preliminary application process. In June 2025, USA Properties communicated to City staff that they were withdrawing from the project for undisclosed reasons.

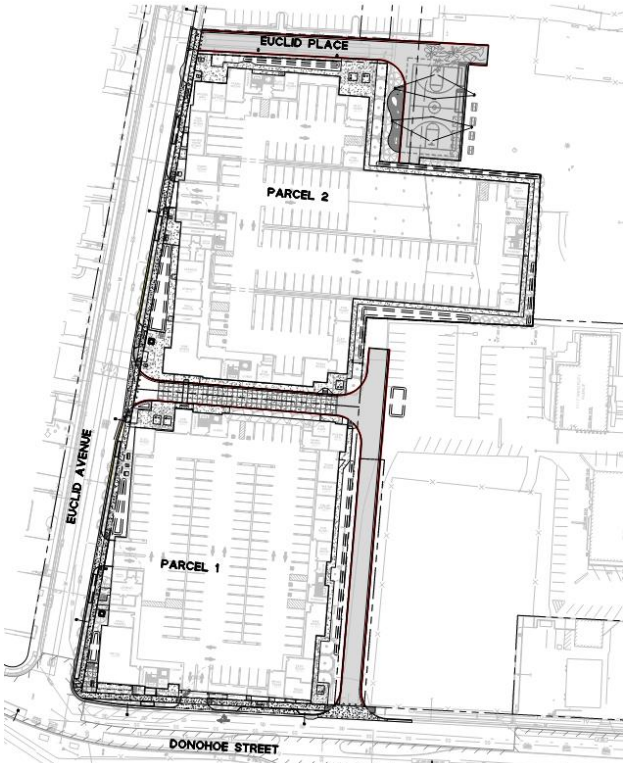
In December 2025, RCSD selected the Pacific Companies (Applicant) as the new development partner. The Applicant submitted a formal application on March 19, 2026, and conducted an additional community meeting on June 30, 2026. The meeting was held in an open-house gallery format. Four attendees participated with questions surrounding preferences to local residents, parking, project design, and affordability. The vested rights that applied via the SB 330 preliminary process were carried forward with the formal development application because it is filed within 180 days of the preliminary application and any incompleteness items were addressed within 90 days of written notice. Vesting is also unaffected by a change in developer.

Project Description (Building A located in Parcel 1, Building B located in Parcel 2)

Table 1. Project Data	
Project Element	**Detail/Description**
Applicant	The Pacific Companies
Owner	Ravenswood City School District
Location	2120–2160 Euclid Avenue
APN	063-292-380
Size of Existing Site	4.09 acres
Proposed Subdivision	Parcel 1: 1.83 acres; Parcel 2: 2.25 acres
Existing Use	Public Institution (School District)
Surrounding Uses	North: Parks and Recreation (PR) South: US Highway 101 West: Single-Family Residential (R-LD), Mixed-Use Low (MUL) East Mixed-Used Corridor Subzone 1 (MUC-1)
General Plan Designation	Mixed-Use High (MUH)
Existing Zoning	Mixed-Use High (MUH)
Total Number of Units	430 (Building A: 220 units; Building B: 210 units)

Number of Affordable Units by Area Median Income (AMI)	430 (100% of total units): 30% AMI to 80% AMI
Unit Mix	12 studio, 275 one-bedroom, 119 two-bedroom, 24 three-bedroom
Ground-Floor Commercial	Approximately 2,000 square feet of retail space
Number of Stories / Height	Building A: 6 stories, 80 feet 6 inches Building B: 6 stories, 80 feet 6 inches
Floor Area Ratio (FAR, 2.5 max)	Parcel 1: 3.44 FAR Parcel 2: 3.81 FAR (granted via State Density Bonus Waiver)
Density (43-86 dwelling unit/acre)	Parcel 1: 119.9 du/ac Parcel 2: 93.9 du/ac (granted via State Density Bonus)
Number of Parking Spaces (Parcel 1/Building A: 259 residential spaces 8 commercial retail spaces Parcel 2/Building B: 253 residential spaces Project total: 520 total spaces)	Provided: Parcel 1/Building A: 105 spaces Commercial Retail: 8 spaces Parcel 2/Building B: 325 spaces Project total: 438 total spaces (State Density Bonus Concession/Incentive requested)
Bicycle Parking (Parcel 1/Building A: 220 long-term 12 short-term Parcel 2/Building B: 210 long-term 11 short-term Project total: 430 long-term, 23 short-term)	Provided: Parcel 1/Building A: 112 long-term, 22 short-term Pacel 2/Building B: 210 long-term, 0 short-term (State Density Bonus Waiver requested)

Figure 2: Site Plan of Proposed Parcels



This proposed project consists of 430 affordable rental units including studios, one-bedroom, two-bedroom, and three-bedroom apartments ranging from approximately 400 to 1,100 square feet. Off-street parking spaces would be provided for each building with Building A, including 105 residential parking spaces and 8 retail commercial spaces and Building B incorporating 325 residential parking spaces, for a total of 438 parking spaces between the two buildings. According to the Applicant, construction of Building B will commence first because it contains the majority of the parking supply. Bicycle parking is composed of 220 long-term spaces in Building A, 210 long-term spaces in Building B, 22 short-term spaces in Building A and no short-term spaces in Building B. The project would provide approximately 13,000 square feet of public open space in Building A and approximately 18,000 square feet of public open space in Building B. Proposed vehicle access to Buildings A and B will be provided from Euclid Avenue, would additional access to Building A from Donohoe Avenue. The primary project frontage would be along Euclid Avenue.

Analysis

The Applicant is requesting the Planning Commission's approval of the Design Review Permit, Vesting Tentative Map, and Tree Removal Permit.

General Plan Consistency

The project site has a General Plan land use designation and zoning of Mixed-Use High (MUH), which allows a maximum residential density of 86 dwelling units per acre and a maximum floor area ratio (FAR) of 2.5. The proposed project relies on the State Density Bonus Law to exceed the base density, and requests waivers of development standards discussed below, that would otherwise physically preclude construction of the project at the permitted density. Because the Applicant submitted a complete SB 330 preliminary application, the project is entitled to vesting protections under the SB 330. In addition, pursuant to the State's Housing Accountability Act, the Applicant may utilize either the General Plan or zoning standards when calculating the maximum allowable base density.

Table 2. General Plan Evaluation			
Category	**Allowed**	**Proposed Project Parcel 1/Building A**	**Proposed Project Parcel 2/Building B**
Density	86 dwelling units per acre (max)	119.9 du/ac - granted via State Density Bonus	93.9 du/ac - granted via State Density Bonus
Intensity (FAR)	2.5 (max)	3.44 FAR - State Density Bonus waiver requested	3.81 FAR- State Density Bonus waiver requested
Height	100 feet or 8 stories, whichever is higher (max)	6 stories; 80 feet 6 inches	6 stories; 80 feet 6 inches
Ground Floor Retail	35% required	Approx. 2,000 SF or 3.5% proposed - State Density Concession/Incentive requested	None - State Density Concession/Incentive requested

The MUH designation is meant to support new enlivened, thriving districts for East Palo Alto, by accommodating multi-story mixed use buildings. This designation allows for vertical and horizontal mixed-use development at key locations within the City, including the Ravenswood 101 Shopping Center, and 4 Corners/Bay Road specific plan area. Allowed land uses include multi-family residential, attached single family residential, retail, services, and office uses. At least 35% of the ground floor space of building shall be retail space in those areas. Residential-only projects are generally not allowed unless authorized through concessions or incentives available under the State Density Bonus Law (SDBL). As will be discussed in the SDBL section, the Applicant requests a concession, or exception, from the requirement that at least 35% of the ground floor be devoted to retail uses. Because the project provides 100 percent affordable housing (excluding two unrestricted manager units), it qualifies for an 80% density bonus under State law which allows up to 142 dwelling units per acre for Parcel 1 and 155 dwelling units per acre for Parcel 2.

Zoning

The project is located within the MUH zoning district, which allows for a mix of residential and non-residential uses within a single development located along arterial roads and other high-activity areas. Typical developments in the MUH zoning consist of retail stores or community facilities on the ground floor, with apartments or condominiums on the upper floors.

Table 3. Development Standards Evaluation			
Category	**Required**	**Proposed Project Parcel 1/Building A**	**Proposed Project Parcel 2/Building B**
Parcel Area	12,000 square feet minimum	79,902 square feet	98,077 square feet
Parcel Width	100 feet minimum	305 feet	345 feet
Parcel Depth	120 feet minimum	248 feet	376 feet
Front Setback	None, shall not exceed 10 feet	13-feet 8-inches - State Density Bonus waiver	22-feet 1-inch - State Density Bonus waiver
Side Setback	5 feet	10-feet (at widest point)	15-feet 6-inches (at widest point)
Rear Setback	5 feet	15-feet 6-inches (at widest point)	14-feet 4-inches (at widest point)

Woodland Park Development Agreement

The Woodland Park Improvements Project is an entitled housing project subject to a Development Agreement (DA) with the City. Under this DA, the property owner, Sand Hill Property Company, acting through Woodland Park Property Owner A, LLC (Sand Hill) agreed to provide off-site affordable housing units. To satisfy this obligation, Owner A partnered with Eden Housing to build 78 affordable units at 851 Weeks Street for households earning between 25% to 60% of area median income (AMI). Due to funding constraints, the 851 Weeks project has not moved forward.

Sand Hill subsequently requested an amendment to the DA allowing the 78-unit off-site obligation to be provided within the RCSD project. On July 7, 2026, the City Council introduced an ordinance approving the First Amendment to the Development Agreement[1] which was adopted on July 21, 2026. The amendment becomes effective 30 days following the second reading and adoption. Although the 78 affordable units are physically located within the RCSD project, they satisfy Sand Hill's obligation under the amended DA and are not credited toward the RCSD project's Inclusionary Housing Ordinance (IHO) obligation.

State Density Bonus Law

California's Density Bonus Law[2] (Government Code Section 65915) allows a developer to increase density on a property above the maximum set under a jurisdiction's General Plan and zoning. In exchange for the increased density, a certain number of the new affordable dwelling units must be reserved at below market rate (BMR) rents. Qualifying projects can also receive reductions in required development standards via waivers and/or concessions. Because the

[1] https://d3n9y02raazwpg.cloudfront.net/cityofepa/fb790d1b-d23d-11f0-bb28-005056a89546-3408cd31-ecd7-4429-9d91-65986d552499-1783467067.pdf
[2] https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?sectionNum=65915&lawCode=GOV

project is proposed as a 100% affordable housing development (excluding four unrestricted manager units), it is eligible for a density bonus of up to 80%, five concessions or incentives, and an unlimited number of waivers from development standards that would physically preclude construction.

The project proposes a total of 430 affordable residential units, seventy-nine (79) of which are State Density Bonus Law (SDBL) units. The total number of units minus the SDBL units are called the project's "base units." The base units are calculated by multiplying the base density allowed by zoning without a density bonus (i.e. 86 dwelling units per acre) by the number of acres of the site (i.e. 4.09 acres across Parcel 1 and Parcel 2) and rounding down per the General Plan requirement to not exceed density. The 79 SDBL units are assumed to be at 80% (low income) AMI or below.

Table 4. Base Density Calculation

	Parcel Size (approximate)	Max Dwelling Units Per Acre (du/ac)	Max Total Base Units
Parcel 1	1.83	86 du/ac	157
Parcel 2	2.25	86 du/ac	194
Parcel Total	**4.09**		**351**

It should be noted that given the included affordability the project is entitled up to 186 density bonus units even though the developer elects to utilize only 79 bonus units. The applicable AMI for San Mateo County for the current fiscal year is provided in the 2026 State Income Limits in the table titled "California State Income Limits for SMC". The table provides the income levels for households of certain sizes and includes the following categories: Acutely Low-, Extremely Low-, Very Low-, Low, Median-, and Moderate- Income.

California State Density Bonus Law requires a city or county to provide a developer who agrees to construct specified percentages of units for lower income, very low income, or senior citizen housing, or other qualifying housing types, with a density bonus and other incentives, concessions, and waivers upon their request. Chapter 18.36 of the East Palo Alto Municipal Code implements the state law.

State Density Bonus Law allows qualified projects to request waivers and concessions for reduced development standards, including setbacks, square footage requirements, parking, and open space. The Applicant requests to utilize the density bonus for concessions and waivers from use requirements, development standards and other development regulations.

Because the project is proposed as a 100% affordable housing development, it is eligible for a maximum of up to five concessions or incentives and unlimited number of waivers under the State Density Bonus Law. The Applicant is requesting three concessions/incentives and five waivers as summarized below:

- Concession/Incentive #1 Ground Floor Retail Requirement: Building A proposes approximately 2,000 square feet of ground-floor retail space but does not meet MUH zoning district's requirement that at least 35% of ground-floor frontage be occupied by

retail uses. Building B does not propose any retail space on the ground floor. Accordingly, the Applicant requests a concession from the ground-floor retail requirement.

- Concession/Incentive #2 Development Pattern and Massing: EPAMC 18.10.040(B) states that new multiple-family structures shall be designed to or complement the existing development pattern and Section 18.10.040(D)(2) requires massing, as viewed from the street, to be sensitive to the scale of structures within the immediate neighborhood. Because the surrounding area consists mostly of single story single-family homes and the proposed project includes multi-story multiple-family buildings, the Applicant is seeking a concession/incentive from these standards.
- Concession/Incentive #3 Parking: Per SDBL, Building A requires 259 parking spaces and Building B requires 253 parking spaces. The project proposes 105 parking spaces for Building A and 325 parking spaces for Building B. As proposed, Building A has a deficit of 154 parking spaces, while Building B has a surplus of 72 spaces. Although the Applicant proposes to share parking between the two buildings, the project also proposes subdividing the property into two separate parcels. Therefore, parking requirements are counted individually for each parcel necessitating the requested parking concession.
- Waiver - Front Setback: The MUH zoning establishes a maximum front setback of 10 feet. Building A is proposed with a maximum front setback of 13 feet 8 inches and Building B at 22 feet and 1 inch. Both Buildings A and B exceed this maximum; therefore, the Applicant requests a waiver of the front setback requirement.
- Waiver for Floor Area Ratio: The maximum permitted FAR in the MUH zone is 2.5. Building A is proposed with a FAR of 3.44 and Building B with a FAR of 3.81. Both Buildings A and B exceed the maximum allowed FAR; therefore, a waiver has been requested.
- Waiver for Private Open Space: The Municipal Code requires a minimum of 50 square feet of private open space for each unit. Because the project does not offer any private open space, a waiver has been requested.
- Waiver for Long-Term Bicycle Parking: The project requires 220 long-term spaces for Building A and 210 for Building B. Building A is deficient in long-term spaces, therefore a waiver has been requested.
- Waiver for Short-Term Bicycle Parking: The project requires 22 short-term spaces for Building A and 11 for Building B. Building B is deficient in short-term spaces, therefore a waiver has been requested.

Inclusionary Housing Ordinance

In addition to complying with the SDBL, the project must satisfy the City's Inclusionary Housing Ordinance (IHO). The IHO requires that 20% of the total base units (i.e. dwelling units allowed by the general plan density not including requested density bonus units) in a rental housing project be affordable and allocated as follows: 5% of the base units at 35% of Area Median Income (AMI), 10% at 50% AMI, and 5% at 60% AMI. The City's Local Preference Policy, whereby the selection of tenants for affordable housing is prioritized for people who live, work, or have been displaced from a residence in East Palo Alto, applies to inclusionary units subject

to the City's IHO, including those in this project.

The proposed 430-unit project includes a maximum density of 351 units in which the IHO would apply. Within the 351 base units, the project is required to provide 20% units (i.e. 70 inclusionary housing units) for original compliance (Original Compliance) at the designated affordability levels, or 25% inclusionary housing units at their proposed alternative affordability levels (Alternative Compliance). The affordability distribution under Original Compliance would be as follows: 18 units (5%) at 35% AMI[3], 35 units (10%) at 50% AMI, and 17 units (5%) at 60% AMI. It should be noted that 78 Sand Hill DA units, unrestricted manager units, and 79 SDBL units would not count as inclusionary units or contribute toward the Applicant's inclusionary housing compliance.

Table 5. IHO Compliance Calculation (351 Base Units)

Income Levels	Pecentage of Units Dedicated to IHO	Original IHO Compliance Units	*Alternative IHO Compliance Units
35% AMI or below	5%	18	18
50% AMI or below	10%	35	3†
60% AMI or below	5%	17	49†
80% AMI or below	No Requirement	0	0
Total		**70**	**70**

*Alternative Compliance would require City Council Approval

†These numbers are proposed units and would require City Council approval. Although the 3 units are lower than what is required, the project will meet the overall number of units required to meet IHO.

Compliance with the IHO will require City Council approval of an alternative means of compliance because the developer is proposing alternative affordability levels. The applicant's Alternative Compliance proposal is scheduled for City Council consideration on September 1, 2026. Alternative Compliance proposals are typically accepted by the City Council before the Planning Commission hearing on a project's entitlements. In this case, the Planning Commission hearing will precede Council action due to grant funding deadlines applicable to affordable housing projects and the project's proposal as 100 percent affordable. Any Planning Commission action on the entitlements would be conditioned on subsequent City Council acceptance of the alternative compliance proposal.

Site Plan and Design Review

The site plan features a ground-floor retail space in the building proposed at the corner of Donohoe Street and Euclid Avenue, activating a prominent intersection within the project area. Residential common areas are located along the Euclid Avenue frontage of each building, with residential units above creating an active and visually engaging streetscape consistent with the intent of a mixed-use high zone stated in the Vista 2035 General Plan. Garage entries are strategically located to minimize interruptions along pedestrian frontages, while the internal circulation system emphasizes safe pedestrian connections to surrounding sidewalks and the

[3] Extremely Low income category is 30% AMI under the State of California income limits while the City's IHO is 35%. The Applicant is proposing 23 units at 30% AMI.

public realm. Each building contains multiple landscaped courtyards that provide shared open space and visual relief while maintaining a strong perimeter building form.

Both buildings consist of six stories, where the sixth story is stepped back from the lower floors to reduce the perceived mass of the buildings and provide visual relief. Parking for Building A is located on the ground floor with vehicle access provided from Donohoe Street and Euclid Avenue. Parking for Building B includes ground-floor parking and structured parking on the second and third floors, accessed from Euclid Avenue. The massing of both buildings is further reduced with the stepping back of the sixth floor, articulated volumes, and varied façade planes to reduce perceived bulk and reinforce a human-scaled streetscape. The proposed elevations feature contemporary architectural elements utilizing masonry or brick cladding, metal panel accents, and extensive glazing. Recessed openings, and vertical articulation further break down building massing and align with the Vista 2035 General Plan Goal LU-10: Transform University Avenue into a mixed-use corridor with a diversity of residential, mixed use and commercial development in a walkable urban fabric. Although the project is not located on University Avenue, the project site is included in the University Corridor in the Vista 2045 General Plan.

Overall, the project is generally consistent with the General Plan's Mixed-Use High land use designation and the MUH zoning by integrating ground-floor retail uses, with upper-story residential development and reinforcing an active, walkable streetscape. The site layout, building height, and architectural treatment advance the objectives of the Vista 2035 General Plan. The proposed materials, elevations, and site organization support a mixed-use environment that contributes to the goal to transform the University Avenue Corridor into a diversity of residential, mixed-use and commercial development in a walkable urban fabric.

The Applicant has stated that this project will utilize modular construction in which portions of the overall structure are assembled off-site, transported to the project site, and stacked onto foundations and parking structures built on site. This construction method can reduce the overall construction timeframe and minimize temporary construction-related impacts.

Additional design review findings reflecting the project's consistency with the General Plan and the MUH zone are provided in Exhibit A to Attachment 1.

Vesting Tentative Map

A Vesting Tentative map was prepared for the project. The map would subdivide the existing 4.09-acre site into Parcel 1 (1.83 acres) and Parcel 2 (2.25 acres), establishing the parcel configuration, access, and shared infrastructure necessary to accommodate the two proposed buildings. The subdivision is designed to facilitate orderly development, provide adequate access to public streets, ensure connections to existing utilities, and establish common areas for circulation, landscaping, and stormwater management facilities. There are no proposed public dedications as part of the subdivision. Additional analysis supporting the required findings for approval of the Vesting Tentative Map is provided in Attachment 1 Exhibit A to the resolution for approval.

Access Easement

To address Menlo Park Fire Protection District (Menlo Fire) requirements for emergency apparatus access to the northern portion of the project site, the Applicant has proposed three options, with one Option 1 that includes an Emergency Vehicle Access (EVA) easement over Euclid Place and a separate easement east of the project site from University Avenue. Option 2 includes an EVA easement over Euclid Place with a hammerhead turnaround. Option 5 includes an EVA easement using an existing fire lane just south of the YMCA building. Euclid Place is a City-owned pathway that provides access to Bell Street Park immediately north of the project site. Additionally, because any easement over City-owned property requires City Council approval, the Applicant will present the proposed access options for Council consideration at a September 1, 2026, City Council hearing. Option 2 has been conditionally approved by Menlo Fire and any future alterations to this will require their approval. Separately, Menlo Fire has granted an Alternate Means and Methods Request (AMMR) approving a wet standpipe system in Building B to mitigate a fire hose-pull deficiency at the rear of the building (Attachment 10).

The approval of the project would include a condition of approval requiring that the access easement be obtained via one of the three options prior to the issuance of a building permit.

Tree Removal Permit

Table 6 summarizes the total number of trees proposed for removal and replacement.

Table 6. Tree Details	
Non-Protected Trees	3
Protected Trees	40
Total Trees to Be Removed	43
Replacement Trees	101

The proposed removal of the protected trees is consistent with the City's tree removal criteria, as documented in the project's arborist report and supported by site design constraints. The arborist report identifies 40 protected trees located within proposed building footprints and areas required for essential infrastructure. Their preservation would preclude implementation of a well-integrated site design that furthers General Plan and zoning objectives for housing, circulation, and neighborhood compatibility. In these locations, avoidance or preservation would require substantial redesign that would undermine site functionality, reduce development feasibility, or eliminate required access, utility, and public safety improvements. The arborist report is provided in Attachment 7. The project would replace new trees more than double the number that would be removed. The proposed trees would consist of 10 species with varying sizes of 24-inch box and 48-inch box specimens. The majority of the proposed replacement species (Attachment 8) are crape myrtle, white wonder dogwood, maidenhair, sweet gum, eastern redbud, pine, elm, and the remaining with other species.

The project also proposes to remove two off-site street trees and up to 14 trees in Bell Street Park. Removal of these trees requires a separate tree removal permit and is subject to separate review and approval by the City in accordance with East Palo Alto Municipal Code Section 12.16. If City Council selects Option 5, no additional trees will need to be removed as this is an existing drive isle and fire lane. To mitigate the loss of these public trees, the Applicant proposes planting replacement trees within Bell Street Park or other City parks, as approved by the City. This may include replacement trees at a two to one ratio on-site, replacement trees at a different city park, or pay an in-lieu fee.

Fiscal Impact

Approval of the proposed development application has no direct fiscal impact on the City's General Fund.

Estimated Impact Fees

Pursuant to SB 330 the development and impact fees applicable to the project are those subject to the Mitigation Fee Act that were in effect when the complete SB 330 preliminary application was submitted to the City. The development and impact fees were vested on August 29, 2024, when the SB 330 preliminary application was made. The project shall pay all applicable impact fees pursuant to the fee schedule in effect on August 29, 2024, prior to final building inspection or issuance of a Certificate of Occupancy. The estimated development and impact fees generated by the projects are shown the table below:

Table 7. Development and Impact Fees

Estimated Development and Impact Fee Amounts	
Development Fee	**Mixed-Use Project**
Parks and Trails Impact Fee	$1,479,057.70
Public Facilities Impact Fee	$2,593,927.00
Storm Drain Impact Fee	To be determined
Transportation Impact Fee	$754,650.00
Water Capacity	$754,650.00
School Impact Fees	To be determined by Sequoia Union

The estimated total City impact fees are at least $5,582,284.70, excluding school impact fees. School impact fees would be assessed and collected directly by the Sequoia Union School District. In addition, the Applicant would be required to pay all applicable East Palo Alto Sanitary District impact fees. All City impact fees shall be finalized and collected prior to issuance of a

Certificate of Occupancy or final building permit approval.

Public Notice

Public notice of the Planning Commission hearing was provided by posting the meeting agenda and staff report on the City's website and on the public bulletin board located at City Hall: 2415 University Avenue, East Palo Alto. Notice of the public hearing was also published in the *Palo Alto Daily News* on July 17, 2026. Additionally, notices were sent to addresses surrounding a 300-foot radius the project site including community-based organizations and entities in accordance with the City of East Palo Alto Community Outreach Policy for Planning Projects.

During both the pre-application and formal application review process, the Applicant conducted several in-person community meetings and participated in a Planning Commission Study Session. These meetings were held at the Ravenswood City School District offices, located at 2160 Euclid Avenue East Palo Alto, and were attended by the Applicant team, school district staff, community members, stakeholders, Planning Commissioners, and City Planning staff. Topics discussed during these meetings included the proposed project, site design, the pre-application review process, potential traffic impacts, construction-related impacts, and tenant selection preferences. The dates of these meetings are as follows:

- December 13, 2023: Community Meeting
- February 26, 2024: Planning Commission Study Session Pre-application
- March 6, 2025: Community Meeting
- June 30, 2026: Community Meeting

Environmental

The proposed project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to the Class 32 (In-Fill Development Projects) exemption under California Code of Regulations, Title 14, Division 6, Chapter 3, Article 19, Section 15332.

Class 32 exemptions apply to infill development projects that meet the following criteria:

a. Consistency with the applicable General Plan designation, policies, and zoning regulations;
b. Location within city limits on a site no larger than five acres, that is sustainably surrounded by urban uses;
c. No value as habitat for endangered, rare, or threatened species;
d. No significant effects related to traffic, noise, air quality, or water quality; and
e. Adequate provision of all required utilities and public services.

Based on these criteria, traffic, noise, and air quality impacts were the only issue areas requiring additional technical analysis. These analyses (Attachments 6 through 9) were prepared and demonstrated that the project would not result in significant environmental impacts and support the determination that the project qualifies for the Class 32 Categorical Exemption.

Transportation impacts were evaluated in accordance with standards and methodologies established by the City of East Palo Alto and included both a Vehicle Miles Traveled (VMT) analysis consistent with CEQA requirements and a Local Transportation Analysis (LTA).

A Phase I Environmental Site Assessment (Attachment 6) was prepared for the project site by ENGEO Incorporated, dated October 5, 2023, in conformance with American Society for Testing and Materials (ASTM) Practice E1527-21 and the federal All Appropriate Inquiries rule (40 CFR Part 312). The assessment identified no recognized environmental conditions (RECs), historical RECs, or controlled RECs in connection with the site, and the site does not appear on any list compiled pursuant to Government Code Section 65962.5; the site's environmental database listings pertain to underground storage tank registration and hazardous waste generator status, not to any documented release.

CEQA Transportation Impacts (VMT)

Under the City's VMT Guidelines, a residential project that exceeds the citywide average VMT per capita is presumed to result in a significant transportation impact. Due to East Palo Alto's limited geographic size and lack of rail transit service, residential project-generated VMT is assumed to equal the citywide average. The project includes a Transportation Demand Management (TDM) program that promotes walking, bicycling, and transit use and reduces single-occupant vehicle trips. With implementation of the proposed TDM Plan (Attachment 5), the project's VMT impacts would be reduced to a less-than-significant level in compliance with the City's TDM ordinance.

Local Transportation Analysis

Trip generation was estimated using the Institute of Transportation Engineers Trip Generation Manual, 11th Edition (2019), Land Use Code 223 (Affordable Housing - Income Limits - General Urban/Suburban) and "Strip Retail Plaza (<40,000 square feet) in a General Urban/Suburban Urban/Suburban Area" (Land Use 822). The project is projected to generate approximately 1,396 daily trips. After applying a 40 percent TDM reduction and existing trip credits, the net project trips are estimated at 585 daily trips, including 55 AM peak-hour trips and 57 PM peak-hour trips. The findings supporting the Categorical Exemption are documented in the Notice of Exemption (Attachment 1c or Exhibit C).

Noise Analysis

The project's operational noise sources related to construction, operational, proposed sport court, mechanical equipment and one diesel powered emergency generator located within the enclosed parking garage of each building The acoustical analysis concludes that, with the sound-attenuation features and generator testing-hour limits incorporated into the project design, operational noise would not exceed the City's noise standards EPAMC 8.52 at the nearest sensitive receptors, including adjacent residence and Bell Street Park. Construction noise would be temporary and subject to the City's construction-hour limitations. Noise impacts would therefore be less than significant, supporting the finding required by CEQA Guidelines Section 15332(d).

Air Quality

The project's air quality effects consist of temporary construction emissions and operational emissions from vehicle trips. The air quality analysis concludes that the project The project supports the goals of the 2017 Clean Air Plan of protecting public health and protecting the climate and is consistent with Clean Air Plan transportation, building, natural and working lands, and water control measures by:

- Resulting in criteria air pollutant emissions below established thresholds during construction,
- Utilizing construction equipment that reduces PM10 and PM2.5 emissions,
- Complying with applicable regulations that would result in energy and water efficiency including Title 24 and California Green Building Standards Code,
- Complying with the City's Construction and Demolition Diversion program and state waste diversion requirements to reduce the amount of waste in landfills, and
- Including all electric building construction.

The project as proposed would not disrupt or hinder the implementation of applicable control measures such as decarbonizing buildings and urban tree planting.

Accordingly, air quality impacts would therefore be less than significant, supporting the findings required by CEQA Guidelines Section 15332(d).

Government Code § 84308

Applicability of Levine Act: Yes

Analysis of Levine Act Compliance: The project applicant is Caleb Roope of The Pacific Companies and Katia Kamangar of Kamangar Consulting, LLC. The property owner is Ravenswood City School District and is represented by Superintendent Gina Sudaria. Staff is unaware of any other parties or participants relevant to the Planning Commission's consideration of this item.

Attachments

1. Resolution
    a. Findings of Facts (Exhibit A)
    b. Conditions of Approval (Exhibit B)
    c. Notice of Exemption Memo and Appendices (Exhibit C)
2. Project Plans - Architectural Plans
3. Project Plans - Vesting Tentative Map and Civil Engineering Drawings
4. Project Plans - Lighting Plan
5. Transportation Demand Management (TDM) Plan
6. Phase 1 Environmental Site Assessment
7. Arborist Report
8. Landscape Plans
9. State Density Bonus Concessions/Incentives Request
10. Fire Plans

RESOLUTION NO. PC 2026 -0XX

A RESOLUTION OF THE EAST PALO ALTO PLANNING COMMISSION APPROVING A TWO PARCEL VESTING TENTATIVE PARCEL MAP (TPM26-004), DESIGN REVIEW (DR24-002), AND TREE REMOVAL (TRP26-002) PERMITS FOR A MIXED USE PROJECT CONSISTING OF 430 UNITS, RETAIL, AND ASSOCIATED IMPROVEMENTS LOCATED AT 2120-2160 EUCLID AVENUE, EAST PALO ALTO

WHEREAS, the application pertains to an approximately 4.09-acre parcel located at 2120-2160 Euclid Avenue, East Palo Alto, Assessor's Parcel Number (APN: 063-292-380); and

WHEREAS, the current owners of the subject property are Ravenswood City School District; and

WHEREAS, USA Properties Fund Company submitted on November 20, 2023, a preliminary application (PRE23-002) pursuant to the City of East Palo Alto Preliminary Application Requirements ; and

WHEREAS, the applicant held an in-person community meeting on December 13, 2023, to solicit community input on the proposed project; and

WHEREAS, on February 26, 2024, the City of East Palo Alto Planning Commission conducted a study session on the proposed project, solicited comments from the public and provided feedback on the proposed project; and

WHEREAS, the applicant submitted on May 9, 2024, a preliminary application (PRE24-002) consistent with Senate Bill 330 (Government Code 65589.5) application requirements; and

WHEREAS, in accordance with Government Code 65589.5, the project is subject to the ordinances, policies and standards adopted and in effect at the time of preliminary application submittal; and

WHEREAS, for the purposes of Government Code 65589.5, "ordinances, policies, and standards" includes development impact fees, capacity or connection fees or charges, permit or processing fees, and other exactions; and

WHEREAS, the formal application received on June 28, 2024, proposed a mixed-use development consisting of 430 multi-family units and a 2,000 square foot commercial retail space; and

WHEREAS, the application that was filed included three permits: 1) Vesting Tentative Parcel Map (TPM26-004) to subdivide one 4.09-acre lot into two 1.83-acre and 2.25-acre parcels; 2) Design Review Permit (DR24-002) for the development of 430 multifamily units and a 2,000 square foot commercial retail space; and 3) Tree Removal

Permit (TRP26-001) to remove 43 protected and unprotected trees at 2120-2160 Euclid Avenue; and

WHEREAS, the applicant held another in-person community meeting on March 6, 2025, to solicit community input on updates to the proposed project; and

WHEREAS, on March 19, 2026, The Pacific Companies assumed the role of applicant and developer for the project succeeding USA Properties Fund and the application continues under project file DR24-002; and

WHEREAS, the applicant held another in-person community meeting on June 30, 2026, to solicit community input on updates to the proposed project; and

WHEREAS, at a duly noticed public hearing on July 27, 2026, the Planning Commission received and considered the project application, supporting documentation, public testimony, and a recommendation from staff.

NOW, THEREFORE, BE IT RESOLVED THAT THE EAST PALO ALTO PLANNING COMMISSION hereby:

1. **Approves** Vesting Tentative Parcel Map, Design Review. and Tree Removal Permits (TPM26-004, DR24-002, and TRP26-009 respectively) based on the findings, and subject to the required objective requirements and conditions of approval, set forth in Exhibit B (Conditions of Approval) as may be amended by the Planning Commission (PC); and This approval is expressly conditioned upon, and shall not vest until, (i) the City Council's acceptance of the Applicant's alternative means of compliance with the Inclusionary Housing Ordinance, (ii) the effectiveness of the First Amendment to the Woodland Park Development Agreement, and (iii) the City Council's grant of the emergency-vehicle-access easement over City-owned property; and

2. **Finds** that the project is Categorically Exempt from the California Environmental Quality Act (CEQA) under Section 15332 (Class 32 - In-Fill Development Projects).

BE IT FURTHER RESOLVED that, pursuant to Government Code Section 65915, the Planning Commission grants the density bonus, the number of incentives/concessions authorized by Section 65915(d)(2) (to be stated with specificity and made consistent throughout the record), and the waivers of development standards identified in the findings, each supported by the findings required by Section 65915(d)(1) and (e).

ADOPTED on this 27th day of July 2026, by the following vote**:**

AYES:
NOES:

ABSTAINED:
ABSENT:

SIGNED:

Robert Sherrard, Chair

ATTEST:

Bryan Tran, Planning Secretary

APPROVED AS TO FORM:

John D. Lê, City Attorney

1. Mandatory Findings for Tentative Map

The applicant has submitted a Vesting Tentative Parcel Map (TPM26-00) to subdivide the existing parcel into two separate parcels to facilitate the development of a mixed-us projects consisting of 430 multifamily dwelling units and approximately 2,000 square feet of ground-floor commercial retail space. Staff has reviewed the proposed map and determined that the required findings pursuant to EPAMC Section 18.52.060.A.1 can be made, as outlined below.

A. The proposed map, subdivision design, and improvements are consistent with the General Plan, any applicable specific plan, and this Article (subdivision requirements).

The proposed Vesting Tentative Parcel Map involves a subdivision of the existing property into two parcels; Parcel 1 (1.83 acres) containing Building A with 220 multifamily units and approximately 2,000 square feet of ground-floor commercial retail space, and Parcel 2 (2.25 acres), containing Building B with 210 multifamily dwelling units. All residential units are proposed as rental housing. The proposed subdivision map is consistent with the site's Mixed-Use High (MUH) General Plan designation, which allows residential densities ranging from 43 to 86 dwelling units per acre. While the project's base density falls within the MUH density range, additional residential units are authorized pursuant to the State Density Bonus Law, which provides that the granting of a density bonus shall not require a General Plan amendment or other discretionary approval The project implements the General Plan's vision for the University Avenue corridor as an appropriate transition from its current character as a regional traffic roadway to a corridor that contributes to the identity, character, and economic stability of East Palo Alto.

B. The site is physically suitable for the type and proposed density of development.

The site comprises approximately 4.09 acres and is designated Mixed Use High. While the base density would allow fewer residential units, the proposed development of 220 units on Parcel 1 and 210 units on Parcel 2 is permitted through an 80 percent density bonus, five incentives/concessions, and associated waivers pursuant to California Government Code Section 65915 (EPAMC Chapter 18.36). With these allowances, the site can accommodate the proposed development through modified development standards, including increased setbacks, reduced parking, and increased number of dwelling units.

C. The design of the subdivision and the proposed improvements are not likely to cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitat.

The project site is located within a fully urbanized area of East Palo Alto. It is surrounded by Bell Street Park to the north, U.S. Highway 101 to the south, Bell

Street Park and a vacant parcel to the east and existing single-family residential development to the west. The site is currently developed with 15 permanent and portable structures including maintenance facilities and bus storage yards. Given its urban context and existing development, the subdivision does not impact sensitive biological resources or wildlife habitat.

An arborist report identifies 43 trees (40 protected and 3 non-regulated) trees proposed for removal, including Coast Live oaks, Coast redwoods, Chinese elm, Western red cedar, and other species. To offset tree removal, the project includes the planting of up to 101 new trees and approximately 34,500 square feet of new shrub landscaping. Although several healthy trees must be removed due to site design constraints, the proposed replacement landscaping would enhance the site's overall urban forest and landscape character.

D. The design of the subdivision or type of improvements is not likely to cause serious public health or safety problems.

The proposed subdivision would facilitate construction of a 430-unit multifamily mixed-use development that would not create excessive noise, air pollution, soil or groundwater degradation, or other environmental hazards. All public and private improvements would be designed and constructed in accordance with applicable City standards and requirements. The project has been reviewed by the City's Planning, Building, Public Works, and Police Departments, as well as the Menlo Park Fire Protection District, all of which have determined that the project would not adversely affect public health, safety, or welfare.

Three potential issues that were analyzed to assess potential impacts on public health and safety were air quality, noise, and traffic. The project includes 430 multifamily residential units and a 2,000 square foot retail space and is compliant with the city's Vehicle Miles Travelled (VMT) guidelines and Transportation Demand Management (TDM) requirements: Under the City's VMT Guidelines, a project that exceeds the existing East Palo Alto citywide reference average VMT per capita is presumed to result in a significant transportation impact. Due to the City's relatively small geographic size and lack of rail transit service, project-generated VMT for residential developments is assumed to be equal to the citywide average home-based VMT per capita.

The project will implement a Transportation Demand Management (TDM) program incorporating planning and design measures that promote walking, bicycling, and transit use, thereby reducing single-occupant vehicle trips. The TDM Plan includes an implementation strategy and monitoring system. With these measures, the project's VMT impacts would be reduced to a less-than-significant level.

Additionally, the project's traffic generation was estimated using trip generation rates for "Affordable Housing - Income Limits - General Urban/Suburban" and "Strip Retail Plaza (<40,000 square feet) in a General Urban/Suburban Urban/Suburban Area" from the Institute of Transportation Engineers" Trip Generation Manual. Based on these rates, the project is expected to generate

approximately 1,396 daily vehicle trips. After applying a 40 percent TDM trip reduction and existing trip credits, the project is anticipated to generate a net total of 585 daily trips, including 55 trips during the AM peak hour and 57 trips during the PM peak hour.

The project's air quality impacts include temporary construction emissions and operational emissions associated with vehicle trips, mechanical equipment, and periodic testing of one emergency standby diesel generator located within the enclosed parking garage of each building. The air quality analysis concludes that both construction and operational emissions would not exceed the Bay Area Air Quality Management District's (BAAQMD) significance thresholds, with implementation of BAAQMD's basic construction dust-control measures. Each emergency generator would be subject to BAAQMD permitting requirements and applicable statewide Airborne Toxic Control Measure, with testing limited to 50 hours per year. The health risk screening concludes that diesel particulate matter emissions would not exceed BAAQMD health risk thresholds at the nearest sensitive receptors, including adjacent residences. Accordingly, the project is consistent with the applicable air quality plan and air quality impacts would therefore be less than significant, supporting the finding required by CEQA Guidelines Section 15332(d).

The project's operational noise sources consist of mechanical equipment and one emergency standby diesel generator located within the enclosed parking garage of each building The acoustical analysis concludes that, with the sound-attenuation features and generator testing-hour limits incorporated into the project design, operational noise would not exceed the City's noise standards EPAMC 8.52 at the nearest sensitive receptors, including adjacent residence and Bell Street Park. Construction noise would be temporary and subject to the City's permitted construction hours. Accordingly, noise impacts would therefore be less than significant, supporting the finding required by CEQA Guidelines Section 15332(d).

E. The design of the subdivision or the type of improvements will not conflict with easements acquired by the public at large for access through or use of property within the proposed subdivision.

The proposed map includes conditions requiring execution and recordable of an emergency vehicle access (EVA) easement agreement identification of improvements located on adjacent public and private properties for which the applicant is responsible, restriction of the proposed driveway to right-in and right-out movements only, and recordation on the Final Parcel Map of reciprocal perpetual, non-exclusive easements for shared vehicular parking, ingress, egress, and internal circulation between Parcels 1 and 2, as shown on the approved site plan. The project also requires reservation and recordation of all necessary public and private utility and access easements. All easements would be kept clear of structures, except for improvements directly related to their intended purpose.

The City Council shall authorize, and shall grant to the Menlo Park Fire Protection District (MPFPD), a perpetual non-exclusive emergency vehicle access easement over City-owned property at, in the location and dimensions required by MPFPD and in a form approved by the City Attorney. The easement shall be recorded against the City parcel as servient tenement, benefiting Parcels 1 and 2, prior to or concurrent with recordation of the parcel map.

The Applicant shall grant and record reciprocal access easements between Parcel 1 and Parcel 2, in a form approved by the City Attorney, including maintenance obligations running with the land requiring the access way to be kept clear and unobstructed to MPFPD standards.

F. The discharge of sewage from the proposed subdivision into the community sewer system will not result in violation of existing requirements specified by the California Regional Water Quality Control Board.

The project has been evaluated for sewer capacity and system compliance. The East Palo Alto Sanitary District included conditions where prior to Certificate of Occupancy the applicant shall upgrade portions of the sewer mains along Donohoe Street and Cooley Avenue in order to provide adequate sanitary sewer service. With these required improvements, discharge from the proposed subdivision into the community sewer system would not violate any requirements of the California Regional Water Quality Control Board.

G. The design of the subdivision provides, to the extent feasible, passive, or natural heating and cooling opportunities.

The proposed building orientation places openings on the majority of the façades, maximizing morning and evening solar exposure, while incorporating architectural and landscape features that promote passive heating and cooling opportunities. The project would comply with applicable California Building Code solar requirements and incorporates landscaping that provides shade and supports passive cooling through evapotranspiration.

H. The proposed subdivision, its design, density, and type of development and improvements conform to the regulations of the Development Code and the regulations of any public agency having jurisdiction by law.

The proposed subdivision would create two parcels to accommodate a total of 430 multifamily dwelling units, shared residential amenities, and approximately 2,000 square feet of commercial retail space, thereby maintaining conformance with EPAMC development standards with the benefit of State Density Bonus concessions, concessions, and waivers. All required easements should be recorded prior to or concurrent with the recordation of the Final Parcel Map prepared in compliance with the proposed Tentative Map prior to the issuance of Building Permits, as required by the Conditions of Approval. The project is consistent with the MUH zoning district and the Mixed-Use High designation of the General Plan.

Additional Specific Findings Required

None of the three additional findings required pursuant to EPAMC Section 18.52.060.A.2 apply as the proposed project does not involve the conversion of existing rental apartment buildings. These findings relate to required written notifications associated with residential conversions.

Supplemental Findings

Finally, in addition to the mandatory and additional specific findings above, section 18.52.060.B of the EPAMC requires the following supplemental findings to approve a subdivision:

A. **Construction of Improvements.** *In the case of a tentative map for a subdivision that will require a subsequent parcel map, the construction of improvements for the subdivision within a specified time after the recordation of the parcel map is in the interest of the public health and safety, and it is necessary as a prerequisite to the orderly development of the surrounding area.*

As a two-lot subdivision requiring a subsequent parcel map, the project would be subject to a Subdivision Improvement Agreement prior to approval of the Final Parcel Map. This agreement would ensure the timely construction of required improvements and, together with the conditions of approval, the recordation of required easements including the reciprocal parking and access easements between Parcels 1 and 2 and any emergency vehicle access easements required by the Menlo Park Fire Protection District in the interest of public health and safety and the orderly development of the surrounding area.

B. **Waiver of Parcel Map.** *The findings required if waiver of a parcel map has been requested with the tentative map application*.

Not applicable. No Parcel Map Waiver has been requested.

2. Site Plan and Design Review

The applicant requests approval of a Design Review Permit to construct up to 430 multifamily residential units along with approximately 2,000 square feet of ground-floor retail space. East Palo Alto Municipal Code (EPAMC) Section 18.86.050 requires specific findings for approval of a Site Plan and Design Review. Staff has reviewed and analyzed the proposed project and determined that all required findings can be made, as set forth below:

Findings and Decisions on Site Plan and Design Review

A. The proposed development is consistent with the General Plan and any applicable specific plan and is in compliance with all applicable provisions of the Development Code and all other City ordinances and regulations.

The proposed 430-unit multifamily residential development and 2,000 square feet of retail space is consistent with the Mixed Use High (MUH) Residential land use designation of the Vista 2035 General Plan and advances the Plan’s goals and

policies. The MUH designation is intended to increase the supply of housing to meet affordability and broader community objectives while ensuring compatibility with existing neighborhoods.

The proposed project also complies with the objective development, design, and subdivision standards of the MUH – Mixed-Use High zoning district of the EPAMC with respective to parcel area, setbacks, building heights, parking, building coverage, floor area ratio, private open space, and common open space. Where the project does not meet certain development standards, the applicant requests approval of statutory concessions, incentives, and development waivers pursuant to the California State Density Bonus Law which provides the additional units authorized by the density bonus, in the amount stated in the Staff Report's base-density calculation (to be made consistent throughout the record). Specifically, the applicant has requested three statutory incentives or concessions and five waivers under Government Code Sections 65915(d) and 65915(e), respectively (see Table 1 above and the State Density Bonus Law section). Under State Density Bonus Law, these incentives and waivers must be granted unless the City can make findings, supported by substantial evidence, that they would be contrary to state or federal law or would result in a specific, adverse, and unavoidable impact on public health, safety, or a listed historic resource. Notwithstanding the compliance recitals above, the project does not presently satisfy the Inclusionary Housing Ordinance and relies on an alternative means of compliance pending City Council acceptance (scheduled September 1, 2026); any approval is therefore expressly conditioned on that acceptance and on the effectiveness of the First Amendment to the Woodland Park Development Agreement.

Table 1: Development Standards

Land Use Designation / Element		Code Requirements	Proposed	Complies
General Plan		Mixed-Use High	No Change	Yes
Zoning		**MUH** Mixed-Use High	No Change	Yes
Building Height		**MUH: 8** stories or 100 ft., whichever is greater	6 Stories | 80-feet 6-inches	Yes
Setbacks	**Front**	None, shall not exceed 10 feet	Parcel 1: 13 feet 8 inches (at widest point) Parcel 2: 22 feet 1 inch (at widest point)	Yes[1]
	Side/St Side	5 feet	Parcel 1:10 feet (at widest point)	Yes

[1] Waiver: for the 10-foot maximum front setback. Buildings A and B exceed the maximum setback of 10 feet.

Exhibit A – Finding of Facts

			Parcel 2: 15 feet 6 inches (at widest point)	
	Rear	5 feet	Parcel 1: 15 feet 6 inches (at widest point) Parcel 2: 14 feet 4 inches (at widest point)	Yes
Min Parcel Dimensions	**Area**	12,000 square Feet (sf)	Parcel 1: 79,902 sf Parcel 2: 98,077 sf	Yes
	Width	100 feet	Parcel 1:305 feet Parcel 2: 345 feet	Yes
	Depth	120 feet	Parcel 1: 248 feet Parcel 2: 376 feet	Yes
Floor Area Ratio (FAR)		2.5 max	Parcel 1: 3.44 FAR Parcel 2: 3.81 FAR	Yes[2]
Density/Intensity		43 to 86 du/acre	Parcel 1: 119.9 du/ac Parcel 2: 93.3 du/ac	Yes[3]
Open Space & Landscaping	**Common Open Space (COS)**	50 sf/unit (Min. 6 feet dimension length/width)	Parcel 1: 13,000 sf or 59 sf/unit Parcel 2: 18,000 sf or 86 sf/unit	Yes
	Private Open Space (COS)[4]	Ground Fl units: 50 sf/unit (Min. 6 feet dimension length/width)	Parcel 1: 0 sf Parcel 2: 0 sf	Yes, with waiver
		Upper Fl units: 50 sf/unit (Min. 6 feet dimension length/width)	Parcel 1: 0 sf Parcel 2: 0 sf	Yes, with waiver

[2] Waiver: Increase maximum Floor Area Ratio from a maximum 2.5 to 3.81.
[3] Application of Density Bonus. Pursuant to the State Density Bonus Law entitles the proposed project for up to 352 units for Parcel 1,282 units for Parcel 2 bringing the total number of developable units to 634 units.
[4] Waiver: for private open space. 50 square feet of private open space is required for each unit. The project does not offer any private open space therefore a waiver has been requested.

Vehicular Parking[5]	Parcel 1/Building A: 259 residential spaces Parcel 2/Building B: 253 residential spaces Retail: 8 spaces	105 spaces 325 spaces 8 spaces	Yes[6]
	0 Guest spaces per unit = 0	0 spaces	Yes[7]
Bicycle Parking	Long term spaces : 1 space per unit Short term space: 0.5 space per unit	Parcel 1: 112 long term spaces, 22 short term spaces Parcel 2: 210 long term spaces, 0 short term spaces	Yes[8]

B. The proposed development is to be constructed on a suitable site, adequate in shape, size, topography, and other circumstances to accommodate the proposed development.

The site is generally flat, adequately sized, and appropriately configured, and located within an urbanized area. The proposed subdivision map and development are consistent with the development standards of the MUH zoning district and with the vision and policies of the Vista 2035 General Plan (see Table 1). The site is largely outside the 100-year floodplain, and no flood attenuation measures are required for the proposed development.

C. The proposed development complies with the applicable standards of review.

The subject parcel is zoned MUH - Mixed-Use High and the proposed project consists of a 430-unit multifamily residential development with approximately 2,000 square feet retail space. The design review project complies with the objective development, design, and subdivision standards of the MUH subzone of the EPAMC with respect to parcel size, setbacks, building height, and common open space. Where deviations from EPAMC requirements occur, the project requests approval of concessions, incentives, and development waivers pursuant to the State Density Bonus Law, which allows up to 127 additional units for Parcel 1 and 156 additional units for Parcel 2, increasing the allowable

[5] Reduced parking ratios under § 65915(p)(1) ratios (one space per 0–1 bedroom unit, 1.5 per 2–3 bedroom unit, inclusive of guest and accessible parking)
[6] Concession/Incentive: Per State Density Bonus Law, the project would require 259 spaces for Building A and 253 spaces for Building B. The project proposes 105 spaces for Building A and 325 spaces for Building B. Building A has a deficit of 154 spaces and Building B has a surplus of 72 spaces. While parking is proposed to be shared between the two buildings, the project proposes subdividing the existing parcel into two, therefore parking requirements are counted individually per parcel.
[7] Not required by Density Bonus Law
[8] Waiver for the deficiencies for long term bicycle parking for Parcel 1/Building A and short term bicycle parking Parcel 2/Building B

yield from 352 to 635 units. Additionally, the applicant has requested three statutory incentives or concessions and five waivers under Government Code Sections 65915(d) and 65915(e), respectively (see Table 1 above and the California State Density Bonus Law section).

Additionally, the Vesting Tentative Map and Tree Removal Permit requests comply with the provisions and requirements of Sections 18.52.060 and 18.28.070 of the EPAMC respectively.

D. The proposed development is designed and arranged to provide adequate consideration to ensure the public health, safety, and general welfare, and to prevent adverse effects on neighboring property.

The East Palo Alto Planning and Building Divisions, Public Works Department, Police Department, and the Menlo Park Fire Protection District have reviewed the proposed Condominium Tentative Parcel Map and development project. Through this interdepartmental review process, potential public health, safety or general welfare issues have been identified and addressed through the recommended conditions of approval. As conditioned, the proposed development is consistent with applicable EPAMC development standards, as well as the vision and policies of the Vista 2035 General Plan. The project will not result in significant adverse impacts to neighboring properties or to the public health, safety, or general welfare.

3. Tree Removal Permit

The project requires removal of 43 existing trees (40 protected and three non-regulated), the preservation of three existing trees, and mitigation of canopy loss through the planting of 101 new trees and more than 34,000 square feet of new shrubs. Of the 101 replacement trees, 30 would be 24-inch box Tuscarora crepe myrtle, 14 Princeton sentry maidenhair, 14 Eddie's white wonder dogwood, 13 Slender silhouette sweet gum, 12 Forest pansy eastern earbud, with the remainder consisting of various varieties of species of trees.

While the majority of trees proposed for removal are in poor to fair condition, several trees in good health must also be removed due to conflicts with the proposed development.

Findings for tree removals pursuant to East Palo Alto City Municipal Code (EPAMC) Section 18.28.070:

Consistent with the criteria for removal of protected trees, all 40 protected trees proposed for removal are in critical to good health but interfere with the proposed development, repair, alteration, or improvement of the site. Preservation of these trees would preclude implementation of a cohesive and well-integrated site design that enhances the property and surrounding neighborhood. The project includes replacement tree planting to compensate for the loss of existing trees.

Conclusion of the Arborist's Report

The project arborist, Woodreeve Consulting, recommends removal of 43 (40 protected and 3 non-regulated) trees, as detailed in Table 2. While several trees are relatively healthy, they conflict with the proposed site design and layout. Eight protected trees located on the project site will be preserved.

Table 2: Existing Private Trees Proposed for Removal and Preservation

	Number	
Common Name	**Remove**	**Preserve**
Blackwood acacia	3	
Hollywood juniper	2	
London plane	2	
Coast redwood	15	
Western red cedar	7	
Evergreen ash	1	
Avocado	1 (not regulated)	
Sweetgum	1	
Camphor	1	
Southern live oak	1 (non regulated)	
Coast live oak	2	
Red river gum	1	
Lemonwood	2	
Tree of heaven	2	
California black walnut	1	
Olive	1 (not regulated)	
London plane		7
Evergreen ash		1
Total	**43**	**8**

Exhibit B

CONDITIONS OF APPROVAL

PLANNING DIVISION

1. The project shall be developed in substantial compliance with the drawings re-submitted as part of the East Palo Alto planning application for Vesting Tentative Map, Design Review. and Tree Removal Permits (TPM26-004, DR24-002, and TRP26-004), dated June 10, 2026 and last revised on June 10, 2026, to be revised pursuant to the conditions of this staff report as may be amended by the Planning Commission. The permit shall be effective 15 days following the date of the decision unless an appeal is filed prior to the effective date.
2. Prior to the submittal of a building permit, the plans must meet all minimum requirements for driveways /private streets per Menlo Park Fire Protection District and City requirements.
3. Any modifications to the approved plans and related information must be submitted to the Planning Division for review and approval and may be subject to review during a public hearing at the Planning Manager's discretion.
4. This approval is valid for a period of two (2) years and will lapse on July 27, 2028, if the applicant has not yet secured building permits and started construction. If the applicant is unable to secure building permits before July 27, 2028, the applicant must submit an application for an extension at least thirty (30) days before expiration in order to extend the term of the permit.
5. Project landscaping shall comply with the City of East Palo Alto and State regulations for water-efficient landscaping.
6. Prior to building permit submittal, the applicant and the project's landscaping architect shall provide written confirmation that the landscape plans submitted for building permit are consistent with the approved landscape plan.
7. Exterior colors, materials, and design elements are subject to final review and must be approved by the Planning Manager prior to the issuance of a building permit.
8. Prior to issuance of any building permit, the applicant shall secure and record emergency vehicle access sufficient to serve the project for fire suppression, rescue, and emergency medical response by Menlo Park Fire Protection District. Such access shall be established by a recorded easement and emergency vehicle access agreement, in a form approved by the City Attorney and, where City property or right-of-way is burdened, by the City Council, and to the satisfaction of the Menlo Park Fire Protection District as to design, geometry, and apparatus load requirements. The agreement shall allocate responsibility for construction, maintenance, and repair of the access improvements on the burdened properties; shall run with the land and bind successors in interest; and shall be recorded with the San Mateo County Recorder. The recorded easement shall be referenced by its recording information on the final parcel map. In the event the easement cannot be secured, the applicant shall demonstrate an alternative means of compliance acceptable to the Menlo Fire Protection District prior to building permit issuance.
9. The private and dedicated open spaces, common driveways and trees shall be preserved and maintained by the owner/occupant and/or Homeowner's Association, as appropriate, per the approved plans of this permit.

10. The applicant is responsible for applying for new addresses/address assignment for the new units and work directly with the Menlo Park Fire Protection District and the Building Division to review potential addresses.
11. Any Covenants, Conditions and Restrictions (CC&Rs) shall be provided and reviewed by the Planning Division, Public Works, and the City Attorney prior to the approval of the Final Map. The CC&R's and Conditions of Approval shall be recorded in the office of the County Recorder concurrently with the Final Map or prior to Temporary Certificate of Occupancy per the requirements of the State Department of Real Estate.
12. Prior to the issuance of Building Permits, the project applicant/developer must obtain all required approvals including the will serve letters of East Palo Alto Sanitary District and Recology and be in compliance with all the conditions of the East Palo Alto Sanitary District, as appropriate.
13. Prior to the issuance of the certificate of occupancy or building permit final, applicable development impact fees shall be paid in full on the fee schedule in effect at the time of building permit issuance. Where construction of a project is phased, fees can be paid for each residential unit or building when the applicable building permit is issued.
14. The applicant shall be responsible for planting up to 101 proposed trees of various species as replacement trees for the removal of trees on private property, 44 of which consist of 48-inch box variety, 57 of which consist of 24-inch box variety in accordance with the arborist's recommendation.
15. All trees selected for planting shall conform to the American National Standards Institute, ANSI Z60.1 Specifications for Acceptance of Nursery Trees at the Time of Delivery. Tree planting shall follow the most current edition of ANSI A300 Tree Planting, including post-planting, pruning, and early tree care. Newly planted trees should be provided with regular maintenance, including irrigation and pruning as needed, during the first five years.
16. Trees shall comply with the standards and recommendations set forth in the City of East Palo Alto Urban Forest Master Plan related to species diversity. A maximum of twenty percent (20%) of one general and ten percent (10%) of any species may be used to meet planting requirements within the city.
17. Tree and debris removal shall occur only between the hours of 8:00 a.m. and 5:00 p.m. weekdays, or between 9:30 a.m. and 5:00 p.m. on Saturdays.
18. Approval from the Engineering Division (650-853-3119) is required for any encroachment into the public right-of-way or for partial road closures necessary for tree removals.
19. Contractors hired to remove or plant trees shall possess an active business license with the City of East Palo Alto.
20. The applicant or their contractor shall contact the City by phone or email at least 48 hours prior to tree removals.
21. Prior to any tree removal, vegetation clearing, or ground-disturbing activity occurring during the avian nesting season (generally February 1 through August 31), the applicant shall retain a qualified biologist to conduct a pre-construction nesting-bird survey of the project site and adjacent areas within an appropriate radius, in conformance with the federal Migratory Bird Treaty Act (16 U.S.C. Section 703 et seq.) and California Fish and Game Code Sections 3503, 3503.5, and 3513. If active nests are identified, the biologist

shall establish species-appropriate no-disturbance buffers and shall monitor the nests until the young have fledged or the nest is otherwise determined to be inactive. If tree removals and construction cannot be scheduled outside of nesting season, a qualified ornithologist shall complete pre-construction surveys to identify active bird nests that may be disturbed during project implementation. This survey shall be completed no more than seven days prior to the initiation of demolition/construction activities during the breeding season (February 1 through August 31, inclusive), unless a shorter pre-construction survey is determined to be appropriate based on the presence of a species with a shorter nesting period. During this survey, the ornithologist shall inspect all trees and other possible nesting habitats in and immediately adjacent to the construction areas for nests. If an active nest is found in an area that would be disturbed by construction, the ornithologist shall designate a construction-free buffer zone to be established around the nest. The buffer would ensure that raptor or migratory bird nests would not be disturbed during project construction. No tree removal or vegetation clearing within an established buffer shall occur until the biologist provides clearance. Survey results and any avoidance measures shall be documented and submitted to the Planning Division prior to commencement of the regulated activity.

22. Prior to the removal of trees or the issuance of any grading or building permit between February 1 – August 31, the project applicant shall submit a report indicating the results of the survey and any designated buffer zones to the satisfaction of the Director of Community Development, or their designee.

23. Prior to the issuance of any approval or permit for the construction of any improvement on the building site, all trees on the site shall be inventoried by the owner or contractor as to size (including diameter/circumference), species and location on the lot and the inventory shall be submitted on a topographical map to the Director.

24. Damage to any tree during construction shall be immediately reported by a person causing the damage, the responsible contractor, or the owner to the director, and the contractor and/or owner shall treat the tree for damage in the manner specified by the city arborist.

25. No construction equipment, vehicles or materials shall be stored, parked or standing within the tree dripline.

26. Drains shall be installed according to city specifications so as to avoid harm to trees due to excess watering.

27. Wires, signs and other similar items shall not be attached to trees.

28. Cutting and filling around the base of trees to be retained shall be done only after consultation with the city arborist and then only to the extent authorized by the city arborist.

29. No paint thinner, paint, plaster or other liquid or solid excess or waste construction materials or wastewater shall be dumped on the ground or into any grate between the dripline and the base of the tree or uphill from any tree where certain substances might reach the roots through a leaching process.

30. Fencing shall be installed outside the canopy of the tree to be retained to the dripline during construction unless otherwise directed by the certified arborist to prevent injury to trees.

31. Wherever cuts or soil disturbances are made in the ground near the roots of trees, measures such as watering and mulching shall be taken to prevent exposed soil from drying out and causing damage to tree roots as prescribed in a certified arborist report.

32. Prior to issuance of any demolition or grading permit, and given the site's prior use for district office, maintenance, and bus-storage and fueling operations, the applicant shall submit to the Planning Division a Phase I Environmental Site Assessment prepared in accordance with ASTM E1527 for the project site, together with documentation of a search of the lists compiled pursuant to California Government Code Section 65962.5 (the “Cortese List”). If the Phase I Environmental Site Assessment or the Cortese List search identifies a recognized environmental condition or the presence of the site on any such list, the applicant shall complete a Phase II investigation and any remediation required by the California Department of Toxic Substances Control, the San Francisco Bay Regional Water Quality Control Board, or the San Mateo County Environmental Health Division, and shall provide evidence of regulatory closure or an approved risk-management plan. No ground-disturbing work shall commence until this condition is satisfied to the satisfaction of the City.

33. The following measures shall be implemented during all phases of construction to control dust and exhaust at the project site:
    a. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
    b. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
    c. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least twice per day. The use of dry power sweeping is prohibited.
    d. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).
    e. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
    f. All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.
    g. All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
    h. Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.
    i. Publicly visible signs shall be posted with the telephone number and name of the person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District’s General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

34. All construction equipment larger than 25 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 Final emission standards for PM (PM10 and PM2.5) if feasible. If Tier 4 Final equipment is not available for a particular piece of equipment, then use equipment that meets U.S. EPA emission standards for Tier 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 40 percent reduction in particulate matter exhaust in comparison to uncontrolled equipment.

35. The Air District strongly encourages enhanced BMPs for construction sites near schools, residential areas, or other sensitive land uses. This project requires the use of BMPs during Phase 2 construction only due to the impacts upon Phase 1 receptors as discussed below. In addition to the basic BMPs outlined above, the following enhanced measures must also be included during Phase 2 construction only.
    a. Limit the simultaneous occurrence of excavation, grading, and ground-disturbing construction activities.
    b. Install wind breaks (e.g., trees, fences) on the windward side(s) of actively disturbed areas of construction. Wind breaks should have at maximum 50 percent air porosity.
    c. Plant vegetative ground cover (e.g., fast-germinating native grass seed) in disturbed areas as soon as possible and watered appropriately until vegetation is established.
    d. Install sandbags or other erosion control measures to prevent silt runoff to public roadways from sites with a slope greater than one percent.
    e. Minimize the amount of excavated material or waste materials stored at the site.

36. Hydroseed or apply non-toxic soil stabilizers to construction areas, including previously graded areas, that are inactive for at least 10 calendar days.

37. Install air filtration for the Phase 1 building. Air filtration devices shall be rated MERV13 or higher. To ensure adequate health protection to sensitive receptors (i.e., residents), this ventilation system, whether mechanical or passive, shall filter all fresh air that would be circulated into the dwelling units.

38. The ventilation system shall be designed to keep the building at positive pressure when doors and windows are closed to reduce the intrusion of unfiltered outside air into the building.

39. As part of implementing this measure, an ongoing maintenance plan for the buildings' heating, ventilation, and air conditioning (HVAC) air filtration system shall be required that includes regular filter replacement.

40. Ensure that the use agreement and other property documents:
    a. require cleaning, maintenance, and monitoring of the affected buildings for air flow leaks,
    b. include assurance that new owners or tenants are provided information on the ventilation system, and
    c. include provisions that fees associated with owning or leasing a unit(s) in the building include funds for cleaning, maintenance, monitoring, and replacements of the filters, as needed.

41. Prior to the start of any grading activities associated with the project, the City's contractor shall submit evidence to the Director of the Department of Community and Economic Development that a Cultural Awareness Training was held prior to ground disturbance. The training shall be facilitated by the project archaeologist in coordination with a representative of a tribe registered with the Native American Heritage Commissions for the City of East Palo Alto and is traditionally and culturally affiliated with the geographic area as described in Public Resources Code Section 21080.3. This training will be provided to all construction workers as a field training prior to the beginning of ground disturbing activities, and will include a discussion of applicable laws and penalties under the laws; samples or visual aids of resources that could be encountered in the project vicinity, instructions regarding the need to halt work in the vicinity of any potential archaeological and Native American resource encountered, and measures to notify their supervisor, the applicant, and the specialists.

42. In the event that archaeological resources or human remains are encountered at the project site during construction, the project would implement the following Standard Conditions of Approval would apply consistent with Public Resources Code Section 5097.98 and General Plan Parks Open Space and Conservation Policy 9.7.:
    a. In the event that archaeological resources are exposed during construction, work within 50 feet of the find shall cease, the Director of the Department of Community and Economic Development shall be notified, and a qualified archaeologist shall examine the find to determine if it meets the definition of a historical, unique archaeological, or tribal cultural resource as defined in CEQA Guidelines. If the find does not meet the definition of a historical, unique archaeological, or tribal cultural resource, no further study or protection is necessary for work to continue. If the find does meet the definition of a historical, unique archaeological, or tribal cultural resource, then it will be avoided by project activities.
    b. If human remains are encountered during project construction activities, all work in the vicinity shall be halted and the San Mateo County Coroner contacted. In the event that the County Coroner determines the human remains are Native American, notification of the Native American Heritage Commission (NAHC) is required, who shall appoint a Most Likely Descendant (MLD) (PRC Section 5097.98). The qualified archaeologist, project sponsor, and MLD shall make all reasonable efforts to develop an agreement for treatment. The agreement shall incorporate 'best practices' as identified by the NAHC. A final report shall be prepared by the project archaeologist in consultation with the MLD and approved by the City of East Palo Alto. Work on the project may proceed upon City approval.

ENGINEERING DIVISION

1. GENERAL - The issuance of building permits to implement this land use development will be suspended if necessary to stay within (1) available water supplies, or (2) the safe or allocated capacity at the Wastewater Pollution Control Plant and will remain suspended until water and sewage capacity are available. No vested right to the issuance of a Building Permit is acquired by the approval of this land development. The foregoing provisions are a material (demand/supply) condition to this approval.

2. FINAL MAP – The applicant shall have a final map, prepared by a person authorized to practice land surveying in California, delineating all parcels created or deleted and all changes in lot lines in conformance with East Palo Alto Municipal Code.

   The final subdivision map shall be approved by the Department of Public Works prior to City Council approval and recorded by the County Recorder's Office prior to the issuance of the Site Development Permit or the first building permit. A map guarantee shall be submitted to the City, by the applicant's title company, prior to release of the map to the title company for recordation.

   Prior to the City's release of the final map to the title company, the applicant may, at the discretion of the Director of Public Works designee, be required to submit to the City an electronic copy of the map in PDF and the AutoCAD Version being used by the City at the time of recordation. It is the applicant's responsibility to check with their title company and the County Recorder's Office to determine the time necessary to have the map recorded after City approval.

3. SUBDIVISION IMPROVEMENT AGREEMENT – If the applicant wishes to have the final project map approved prior to the completion of the project's public improvements, the applicant shall enter into a subdivision improvement agreement with the City and shall arrange to provide security for the remaining public improvements to be completed. The agreement will be forwarded to the City Council for approval.

4. PERMITS REQUIRED BY OTHER AGENCIES – The applicant is hereby informed that permits may be required by one (1) or more of the following: Corps of Engineers, Bay Conservation and Development Commission, Fish and Game, and/or the State Lands Commission. If a project is within the jurisdiction of any of these agencies, verification of permit or waiver of permit shall be given to the Public Works Department prior to issuance of any required City permits. If the City is required to be a party to the permit application and a fee is required, the applicant shall reimburse the City for its cost.

5. GENERAL - At first improvement plan submittal, utility sheets shall show appropriate line types and labels to identify different type of utilities and pipe sizes. Clearly identify both public and private utilities.

6. GENERAL - Improvement plans (as second sheet in plan set) shall contain Approved Conditions of Approval.

7. GENERAL - Improvement plan cover sheet shall include a table summarizing all facilities (Streets, Utilities, Landscaping, etc.), showing the ownership of all facilities, and the maintenance responsibilities of all facilities.

8. GENERAL - The applicant shall obtain all applicable permits from federal, state, and local agencies as required to construct the proposed improvements. A copy of these permits will be provided prior to building permits.

9. GENERAL – Improvement plans are required for both on-site and off-site improvements.

10. GENERAL - All existing public utilities shall be protected in place and if necessary relocated as approved by the City Engineer. No permanent structure is permitted within City easements without the approval of the City of East Palo Alto.

11. GENERAL – Developer is required to confirm the location of existing utility lines along the project frontage by potholing. Prior to any potholing, developer shall submit a pothole plan for City review and approval. Developer shall provide the pothole result to the City Engineer prior to final design.

12. GENERAL - All improvements shall be designed and constructed in accordance with the City of East Palo Alto Municipal Code and Standard Specifications and Details, and is subject to all laws of the City of East Palo Alto by reference.

13. FEE - Prior to plan approval, developer shall submit a detailed project cost estimate by the project engineer, subject to City Engineer approval. Cost estimate shall be broken out into on-site and off-site improvements.

    All appropriate fees shall be paid prior to the certificate of occupancy or building permit final including but not limited to:
    a. Storm Drainage impact fee
    b. Public facilities impact fee
    c. Parks and trail impact fee
    d. Transportation and infrastructure impact fee
    e. Water capacity fee
    f. School impact fee.

14. FEE - Prior to final plan approval, Developer shall pay 100% of the plan check and processing fees and other related fees that the property is subject to, enter into a subdivision improvement agreement, and provide payment and performance bonds.

15. UTILITY - Prior to Building Occupancy permit issuance, sewer main extension needs to be completed, and pipes upsized to meet the required demand per East Palo Alto Sanitary Sewer District (EPASD) requirements and approval and City Engineer satisfaction.

16. GENERAL - The project improvements shall be coordinated with the other upcoming development projects (Sandhill/Sobrato).

17. LIGHTING - Prior to Building permit issuance, the applicant shall provide a lighting plan and photometric study for city review and approval. Project photometric study shall include sidewalks and street frontages, and demonstrate adequate lighting provided to the City Engineer satisfaction.

18. PARK IN-LIEU/IMPACT FEES – The applicant shall pay a park impact fee of dedication of lands for park and recreation purposes (park in-lieu fee). The final fee shall be determined upon approval of the final map for the park In-lieu fee or prior to the issuance of the building permit for the park impact fee. The park in-lieu fee shall be paid prior to the release of the final map for recordation and the park impact fee shall be paid prior to the issuance of the building permit. If a project with an approved tentative map is issued a building permit prior to the approval of the final map, the applicant shall be subject to

the payment of the park impact fee only prior to the issuance of the first building superstructure permit.

19. GRADING & DRAINAGE - All grading activity shall address National Pollutant Discharge Elimination System (NPDES) concerns. If all or part of the construction occurs during the rainy season, the developer shall submit an Erosion Control Plan to the Public Works Director for review and approval. This plan shall incorporate erosion control devices and other techniques in accordance with Municipal Code to minimize erosion. Specific measures to control sediment runoff, construction pollution and other potential construction contamination sediment runoff, construction pollution and other potential construction contamination shall be addressed through the Erosion Control Plan and Storm Water Pollution Prevention Plan (SWPPP). The SWPPP shall supplement the Erosion Control Plan and project improvement plans. These documents shall also be kept on-site while the project is under construction. A Notice of Intent (NOI) shall be filed with the State Water Resources Control Board, with a copy provided to the Engineering Division before a grading permit will be issued. WDID# shall be added to the grading plans prior to plan approval.

20. GRADING & DRAINAGE - Prior to building permit issuance, the applicant's Geotechnical Engineer shall review the final grading, pavement design and drainage plans to ensure that said designs are in accordance with their recommendations and the peer review comments. The applicant's Geotechnical engineer's approval shall then be conveyed to the City either by letter or by signing the plans.

21. GRADING & DRAINAGE - At first improvement plan submittal, the developer shall submit a Storm Water Management Plan (SWMP) prepared by a registered Civil Engineer. The SWMP shall analyze the existing and ultimate conditions and facilities, and the study shall include all off-site tributary areas. Study and the design shall be in compliance with the City's Stormwater Management Guidance Manual (latest edition). Existing offsite drainage patterns, i.e., tributary areas, drainage amount and velocity shall not be altered by the development.

22. GRADING & DRAINAGE - All grading and improvement plans shall identify the vertical elevation datum, date of survey, and surveyor.

23. PUBLIC IMPROVEMENTS - The developer shall repair or replace all existing improvements not designated for removal and all new improvements that are damaged or removed because of developer's operations. Developer shall request a walk-through with the Engineering Construction Inspector before the start of construction to verify existing conditions.

24. ENCROACHMENT PERMITS, BONDS, AND INSURANCE – The applicant shall obtain an encroachment permit, posting the required bonds and insurance, and provide a one (1) year warranty for all work to be done in the City's right of way or easements prior to any work being done.

25. ENCROACHMENT PERMIT: The developer shall obtain an encroachment permit from the Engineering Division prior to performing any work in the public right-of-way. See the

link below for an application. https://www.cityofepa.org/publicworks/page/encroachment-permit.

26. TRAFFIC CONTROL & SITE LOGISTICS PLANS – The applicant shall submit traffic control plans for any impact to the right-of-way for each phase of operation, including pedestrian and bicycle detour plans as applicable. The traffic control plan shall comply with the most recent version of the California Manual of Uniform Traffic Control Devices (CA MUTCD) and the City's Traffic Control Plan Requirements.

    The applicant shall also submit a site logistics plan for each phase of operation. The plan, at a minimum, shall include estimated timeframes for implementation, duration, construction operations.

27. CONSTRUCTION - All construction water from fire hydrants shall be metered and billed at the current hydrant meter rate.

28. CONSTRUCTION - The City shall be notified at least ten (10) working days prior to the start of any construction work and at that time the contractor shall provide a project schedule and a 24-hour emergency telephone number list.

29. CONSTRUCTION - Construction activity shall be restricted to the period between 7:00 a.m. to 6:00 p.m. Mondays through Fridays, Saturday 9:00 a.m. to 5:00 p.m. for general construction activity. No work shall be done on Sundays and City Holidays. The Public Works Director will apply additional construction period restrictions, as necessary, to accommodate standard commute traffic along arterial roadways and along school commute routes.

30. CONSTRUCTION - All work shown on the improvement plans, if applicable, shall be inspected. Uninspected work shall be removed as deemed appropriate by the Public Works Director.

31. CONSTRUCTION - If the project has excess fill or cut that will be off-hauled to a site or on-hauled from a site within the city limits of East Palo Alto, an additional permit is required. This statement must be added as a general note to the Grading and Drainage Plan.

32. CONSTRUCTION - It is the responsibility of the contractor to make sure that all dirt tracked into the public right-of-way is cleaned up on a daily basis. Mud, silt, concrete and other construction debris shall not be washed into the City's storm drains.

33. CONSTRUCTION - At least one week prior to commencement of work, the Developer shall post at the site and mail to the Engineering Division and to owners of property within (300') three hundred feet of the exterior boundary of the project site a notice that construction work will commence on or around the stated date. The notice shall include a list of contact persons with name, title, phone number and area of responsibility. The person responsible for maintaining the list shall be included. The list shall be current at all times and shall consist of persons with authority to initiate corrective action in their area of responsibility. The names of individuals responsible for dust, noise and litter control shall be expressly identified in the notice.

34. CONSTRUCTION - Prior to final inspections, all pertinent conditions of approval and all improvements shall be completed to the satisfaction of the Planning Director and City Engineer.

35. CONSTRUCTION WORKER PARKING – The applicant shall provide a construction-parking plan that minimizes the effect of construction worker parking in the neighborhood and shall include an estimate of the number of workers that will be present on the site during the various phases of construction and indicate where sufficient off-street parking will be utilized and identify any locations for off-site material deliveries. Said plan shall be approved by the Director of Public Works or designee prior to issuance of City permits and shall be complied with at all times during construction. Failure to enforce the parking plan may result in suspension of the City permits.

36. TRANSPORTATION - Any work in the public right-of-way shall require a traffic control plan prepared by a licensed professional engineer with experience in preparing such plans. Traffic Control Plan shall be prepared in accordance with the requirements of the latest edition of the California Manual on Uniform Traffic Control Devices. The Traffic Control Plan shall be approved prior to the commencement of any work within the public right of way.

37. UTILTIES - The Developer/Contractor shall make accessible any or all City utilities as directed by the Public Works Director.

38. ENGINEERING FEES: All review and inspection fees per the City's Master Fee Schedule shall be paid prior to the issuance of any permits.

39. FEE - At first improvement plan submittal, Developer shall submit a initial deposit for plan check and processing. This deposit will be credited/accounted for toward final plan check and inspection fee.

40. GENERAL – Developer is required to evaluate the conditions of the existing utility lines along the project frontage by videotaping and providing the result to the City Engineer. If the integrity of existing utilities found to be compromised, developer will be required to repair, or remove and replace if necessary, to the City Engineer satisfaction.

41. GENERAL – Prior to building permit issuance, developer shall dedicate necessary street right of way and public utility easements for the project development, including but not limited to 10-foot street right of way and 5-foot public utility easement along project street frontages.

42. FENCES AND OTHER PERMANENT STRUCTURES – The applicant shall locate all project fencing and foundations of a permanent nature within the project's property and out of the City right-of-way.

43. SOLID WASTE – Applicant shall obtain a review letter from solid waste provider confirming serviceability and site accessibility of solid waste pickup.

44. GENERAL - A Title Report shall be submitted with first submittal improvement plans. An existing site plan shall be submitted showing all existing site conditions and title report easements. Include bearings and distances for all Right of Way and Easements on the plans.

45. GENERAL - All existing easements (if serving private owners) shall provide approval from said easement owner.
46. GENERAL - Prior to plan approval, project shall submit and record for approval, ingress and egress easements.
47. GENERAL - The Developer shall provide a “composite plan” showing Civil, Landscape, Electrical, and Joint Trench design information (as a separate sheet titled “Composite Plan”) to confirm that there are no conflicts.
48. GRADING & DRAINAGE - All grading operations and soil compaction activities shall be per the approved project’s design level geotechnical report. All grading activities shall be conducted under the observation of, and tested by, a licensed geotechnical engineer. A report shall be filed with the City of East Palo Alto for each phase of construction, stating that all grading activities were performed in conformance with the requirements of the project’s geotechnical report. The developer shall add this condition to the general notes on the grading plan.
49. DEVELOPMENT IMPACT AND WATER CAPACITY FEES: All Development Impact Fees and Water Capacity Fees shall be paid prior to the issuance of certificate of occupancy or building permit final.
50. GRADING PERMIT: Prior to building permit approval, a grading permit shall be obtained from the Engineering Division with payment of fees per EPAMC 15.48. See the following link for an application. The site is larger than one acre disturbed and will require a SWPPP. https://www.cityofepa.org/publicworks/page/grading-permit.
51. PUBLIC TREES – Pursuant to EPAMC 12.16, the removal of any public trees located within the public right-of-way or a City park, and its replacement, shall require approval from the Public Works Director and the City Council. The number, size, and species shall also be determined by the Public Works Director or designee.
52. PUBLIC IMPROVEMENTS – Prior to building permit issuance, the developer shall obtain design approval and bond for all necessary public improvements, including but not limited to the following:
    a. Removal and replacement of all existing curb, gutter, and sidewalk along all Street project frontage.
    b. New curb, gutter, and sidewalk along all street project frontage.
    c. Removal and construction of new driveways along project frontage.
    d. Installation of new City standard streetlights along project frontage. Final streetlight locations shall be to the satisfaction of the City Transportation Engineer and shall follow City standards.
    e. Extension of the exiting utilities and installation of new utilities, including but not limited to, water, sewer and storm drain main lines, services and related facilities.
    f. Landscaping and trees along all public street frontages.
    g. Existing overhead utilities shall be undergrounded and related utility poles removed along the property frontage.
    h. Reconstruct as needed, and grind and overlay the entire width of all Steet frontages with a minimum 2-1/2” hot mix AC, and with dig-outs and repair as necessary to the City Engineer satisfaction. Extend of the dig-outs to be determined by field inspection between Developer and City inspector. Limits of the pavement improvement shall include the Runnymede/Pulgas intersection.

i. The project shall provide pavement markings and striping along project frontage (full roadway width).
j. Install curb ramp at street intersections.
k. Utility boxes, hydrants, backflow preventers, etc. to be relocated and installed behind the back of sidewalk.
l. Final improvement plans must show separate Fire, domestic and irrigation service line and meter.
m. All improvements must be built to the city Engineer's satisfaction and accepted by the City prior to issuance of any first certificate of occupancy for the project.

53. CONSTRUCTION - All portions of the site subject to blowing dust shall be watered as often as deemed necessary by the City, or a minimum of three times daily. Streets will be cleaned by street sweepers or by hand as often as deemed necessary by the Public Works Director, or at least twice a day.

54. CONSTRUCTION - The trash enclosure shall be covered with a roof structure and connected to the Sanitary Sewer system.

55. CONSTRUCTION - The minimum soils sampling and testing frequency shall conform to Chapter 8 of the Caltrans Construction Manual. The subdivider shall require the soils engineer to daily submit all testing and sampling and reports to the City Engineer.

56. CONSTRUCTION – Prior to Final Map approval, the Developer/Applicant shall submit a proposed construction phasing and schedule for approval by the City Engineer. Schedule format shall be Microsoft Prospect and shall identify the scheduled critical path for the installation of improvements. The schedule shall be updated weekly.

57. CONSTRUCTION - No vehicle having a manufacturer's rated gross vehicle weight exceeding ten thousand (10,000) pounds shall be allowed to park on the portion of a street which abuts property in a residential zone without prior approval from the Public Works Director.

58. TRANSPORTATION - The Project shall comply with all the traffic mitigation measures identified in the project's Traffic Study.

59. TRANSPORTATION - At first plan submittal developer shall model all Emergency Vehicle and Solid Waste Vehicle circulation movements, as a separate plan sheet. The circulation plan shall be prepared to the City Engineer's satisfaction, and modeled with AutoTurn swept analysis software, all turning and street circulation movements.

60. EASEMENTS – Prior to improvement plan approval or building permit issuance, whichever occurs first, developer shall provide and record necessary easements for the Pedestrian access, Fire line connection and sanitary sewer line connection.

61. UTILITIES – All new services to the development shall be "underground service" designed and installed in accordance with the Pacific Gas and Electric Company, AT&T (phone) Company and local cable company regulations. Transformers and switch gear cabinets shall be placed underground unless otherwise approved by the Planning

Director and the City Engineer. Underground utility plans must be submitted prior to installation.

62. UTILITIES - The following items will need to be completed prior to first building permit submittal:
    a. The Developer shall provide joint trench composite plans for the underground electrical, gas, telephone, cable television, and communication conduits and cables including the size, location and details of all trenches, locations of building utility service stubs and meters and placements or arrangements of junction structures as a part of the Improvement Plan submittals for the project. Show preferred and alternative locations for all utility vaults and boxes if project has not obtained PG&E approval. A licensed Civil or Electrical Engineer shall sign the composite drawings and/or utility improvement plans. (All dry utilities shall be placed underground).
    b. The Developer shall negotiate right-of-way with Pacific Gas and Electric and other utilities subject to the review and approval by the Engineering Division and the utility companies.
    c. Will Serve Letter" from each utility company for the subdivision shall be supplied to the City.
63. UTILITIES – A note shall be placed on the joint trench composite plans which states that the plan agrees with City Codes and Standards and that no underground utility conflict exists. The Joint consultant shall provide the City a separate "project utility composite plan" showing all Civil, Landscape, electrical, and joint trench information to confirm that there are no conflicts with joint trench plan utilities.

64. UTILITIES – Storm, sewer, and water lines in private areas shall be privately owned and maintained. This should be noted on the title sheet of the project improvement plan.
65. UTILITIES - Prior to any construction of the dry utilities in the field, the following will need to be supplied to the City:
    a. A professional engineer- original electrical plan.
    b. A letter from the design Electrical or Civil Engineer that states the electrical plan conforms to City codes and Standards, and to the approved improvement plans.

66. UTILITIES - Sanitary sewer laterals and/or water meters located in driveways shall have traffic rated boxes and lids.
67. UTILITY - At first improvement plan submittal, existing utility pole and proposed pole protection (including overhead clearance) shall be confirmed satisfactory by PG&E. Developer to provide PG&E review letter.
68. UTILITIES - The Developer shall perform Fire Hydrant test to confirm water system will adequately serve the development, and will modify any part of the systems that does not perform to the standards established by the City. Developer shall coordinate with Fire Department for the Fire Hydrant test.
69. WATER CONSERVATION - Recycled water shall be used for construction water, where available, as determined by the Public Works Director.

70. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) – The project applicant shall provide a Storm Water Pollution Prevention Plan (SWPPP) in compliance with Bay Area Stormwater Management Agencies Association (BASMAA) Blueprint for a Clean Bay Best Management Practices to Prevent Stormwater Pollution from Construction-Related Activities.

71. WATER QUALITY - Proposed development shall comply with state mandated regional permits for both pre-construction and post-construction stormwater quality requirements, and is subject to, but not limited to, the following:

    a. At first improvement plan submittal, project shall submit a design level Stormwater Control Plan Report (in 8 ½ x 11 report format), to include background, summary, and explanation of all aspects of stormwater management. Report shall also include exhibits, tables, calculations, and all technical information supporting facts, including but not limited to, exhibit of the proposed site conditions which clearly delineates impervious and pervious areas on site. Provide a separate hatch or shading for landscaping/pervious areas on-site including those areas that are not bioretention areas. This stormwater control plan report format does not replace or is not in lieu of any stormwater control plan sheet in improvement plans.
    b. The stormwater control plan shall include a signed Performance Requirement Certifications specified in the Stormwater Guidance Manual.
    c. At developer's sole expense, the stormwater control plan shall be submitted for review by an independent third party accepted by the City for compliance. Result of the peer review shall be included with the submittal for City evaluation.
    d. Prior to plan approval, the Developer of the site shall enter into a formal written Stormwater BMP Operation and Maintenance Agreement with the City, including Exhibit A and Exhibit B.
        i. The City shall record this agreement against the property or properties involved and it shall be binding on all subsequent owners of land served by the stormwater management treatment BMPs. The City-standard Stormwater BMP Operation and Maintenance Agreement will be provided by Public Works Engineering.
        ii. This Agreement shall require that the BMPs not be modified and BMP maintenance activities not alter the designed function of the facility from its original design unless approved by the City prior to the commencement of the proposed modification or maintenance activity.
        iii. This Agreement shall also provide that in the event that maintenance or repair is neglected, or the stormwater management facility becomes a danger to public health or safety, the city shall have the authority to perform maintenance and/or repair work and to recover the costs from the owner.
        iv. All on-site stormwater management facilities shall be operated and maintained in good condition and promptly repaired/replaced by the property owner(s) or other legal entity approved by the City.
        v. Any repairs or restoration/replacement and maintenance shall be in accordance with City-approved plans.
        vi. The property owner(s) shall develop a maintenance schedule for the life of any stormwater management facility and shall describe the maintenance to be completed, the time period for completion, and who shall perform the

maintenance. This maintenance schedule shall be included with the approved Stormwater Runoff Management Plan.

72. Stormwater BMP Operations and Maintenance Agreement shall include inspections to be required for this project and shall adhere to the following:
    a. The property owner(s) shall be responsible for having all stormwater management facilities inspected for condition and function by a certified third party QSP or QSD.
    b. Stormwater facility inspections shall be done at least twice per year, once in Fall by October 1st, in preparation for the wet season, and once in Winter by March 15th. Written records shall be kept of all inspections and shall include, at minimum, the following information:
        i. Site address;
        ii. Date and time of inspection;
        iii. Name of the person conducting the inspection;
        iv. List of stormwater facilities inspected;
        v. Condition of each stormwater facility inspected;
        vi. Description of any needed maintenance or repairs; and
        vii. As applicable, the need for site re-inspection.

73. Upon completion of each inspection, an inspection report shall be submitted to Public Works Engineering no later than October 1st for the Fall report, and no later than March 15th of the following year for the Winter report.

74. Before commencing any grading or construction activities, the developer shall obtain a National Pollutant Discharge Elimination System (NPDES) permit and provide evidence of filing of a Notice of Intent (NOI) with the State Water Resources Control Board.

75. WATER QUALITY - The developer is responsible for ensuring that all contractors are aware of all storm water quality measures and implement such measures. Failure to comply with the approved construction BMPs will result in the issuance of correction notices, citations or a project stop order.

76. WATER QUALITY - The developer shall secure a QSD or QSP to maintain all erosion control and BMP measures during construction. The developers QSD or QSP shall provide the City weekly inspection reports.

77. WATER QUALITY – Sequence of construction for all stormwater facilities (bioswales, detention/retention basins, drain rock, etc) shall be done toward final phases of project to prevent silting of facilities and reduce the intended use of the facilities. Prior to final inspection, all stormwater facilities will be tested by a certified QSP or QSD to meet the minimum design infiltration rate. All tests shall be made at on 20 ft x 20ft grid pattern over the surface of the completed stormwater facility.

78. GREEN INFRASTRUCTURE ON PRIVATE PROPERTY – The building permit plans shall show installation and maintenance of green infrastructure improvements along all frontages. The improvements shall be in accordance with the guidance and specifications provided by San Mateo Countywide Water Pollution Prevention Program and shall be approved by the Director of Public Works or designee or designee. Proposed GI improvements shall be maintained by the property owner and included in the stormwater treatment O&M (operation and maintenance) agreement that is recorded

with the County of San Mateo Recorder's Office. The building permit plans for the superstructure shall show all green infrastructure.

79. TRASH CAPTURE DEVICES – The building permits shall show installation of trash capture devices in storm drain systems that lead directly to the off-site storm drain system or outfall. Devices shall be approved by the Director of Public Works or designee or designee. Trash capture devices are required on site consistent with the State Water Resources Control Board definition of Full Capture System. All on-site trash capture devices shall be cleaned routinely and maintained by the Owner per the Stormwater Treatment Facilities Maintenance Agreement. The building permit plans for the superstructure shall show trash capture devices.
80. BEST MANAGEMENT PRACTICES (BMP) – The applicant shall perform all construction activities in accordance with the City's Storm Water Management and Discharge Control Rules and Regulations, and the San Mateo Countywide Water Pollution Prevention Plan (SMCWPPP) by reference. Detailed information can be located at: https://www.flowstobay.org/preventing-stormwater-pollution/with-new-redevelopment/construction-best-practices/
81. STORM - Project is proposing to connect to the existing storm drain system within the site. At final design, demonstrate that the existing storm drain capacity can accept the additional capacity being shown on the plans for the design storm per city standards.
82. LANDSCAPING - Landscaping plans shall not conflict with the stormwater management water treatment plan.
83. TRIANGULAR AREA OF VISIBILITY –The building permit plans for the superstructure shall show that the installation of landscaping and permanent structures located within the 10' triangular area of visibility at the driveway meets the requirements of a minimum vertical clearance of 7', and/or are less than 3' in height. This includes all PG&E above ground structures and other utility facilities.
84. PUBLIC IMPROVEMENTS: Prior to occupancy, the developer shall provide public street improvements along the project frontage where existing streets (vehicle and/or pedestrian paths) do not meet current City standards. These improvements may include sidewalk, curb and gutter, driveway approach, curb ramp, and any right-of-way dedication in the future ultimate location. See EPAMC 15.04.040. The design of this will be reviewed under the encroachment permit using Off-Site Improvement Plans. Specifically:
    a. Frontage improvements will be required. Frontage must be repaired to City standards. (sidewalk, driveway, streetlight, roadway)
    b. Pavement improvements, including signage and striping, will be required as part of the offsite improvements.
    c. Future plan submittal shall include a separate offsite improvement plan. An encroachment permit will be required for any work in the City right of way.
    d. A new five-foot minimum sidewalk would be constructed by the developer along the westerly and southernly boundary of the dedicated right-of-way.
    e. Enhanced landscaping, street lighting and other enhanced landscaping will be provided by the developer along the project frontage and southern portion of the property.

85. Prior to building permit issuance, provide agreement for utilizing and installing/maintaining improvements on the adjacent properties both private and public.

86. Will serve letters from all the utility companies will be required.
87. The existing overhead lines along Donohoe Street and Euclid Avenue should be placed underground and coordinated with the local utility company.
88. TRANSMISSION POLES. Per the Engineering Plan Review comment response dated June 11, 2026, Comment #5 states that the poles located along the easterly property line on Donohoe Street serve both existing and future Caltrans facilities. Please provide a letter or written confirmation from Caltrans verifying that these three existing poles will continue to serve existing and future Caltrans facilities.
89. Domestic Water and Fire Flow calculations must be provided, showing the ongoing water needs by the Project, and confirming that adequate water supplies are available to the City to serve the development.
90. All proposed water mains, main extensions, and services shall be installed to the standards of California American Water Service. All existing water mains shall be repaired and tested to the satisfaction of the Water Department and City Engineer.
91. Prior to issuance of building permits, the proposed Driveway off Donohoe Street shall be down on plans to be restricted to right/in right/out only with approved signing and striping. Map.
92. For frontage area to be designated as a no parking zones or loading areas, it must be approved as part of the off-site plans and signage must be installed.
93. A Final Map shall be approved by the City and recorded with the County of San Mateo before the issuance of building permits.
94. CONSTRUCTION VEHICLES, EQUIPMENT, AND MATERIALS: All construction-related vehicles, equipment, and materials shall be managed on-site. At no time shall such items be parked or stored in the public right-of-way without an encroachment permit or written approval by the City Engineer.
95. TRAFFIC CONTROL: Activities that require temporary closures of sidewalks, vehicle and/or bike lanes, or other public paths shall require review and approval by the Engineering Division through an encroachment permit.
96. STORMWATER DRAINAGE: Prior to approval of improvement plans, the project shall be required to meet the requirements of the Municipal Regional Permit issued by the San Francisco Bay Regional Water Quality Control Board. The applicant shall provide acceptable documentation with calculations proving compliance.
97. CONSTRUCTION BEST MANAGEMENT PRACTICES: This project is required to obtain coverage under the General Construction Permit issued by the State Water Quality Control Board. Evidence of coverage shall be provided to the City prior to grading permit. The following sheet in the link below shall be included in the plans. https://www.flowstobay.org/wp-content/uploads/2020/04/Countywide-Program-BMP-Plan-Sheet-June-2014-Update.pdf
98. FENCES/WALLS: No new or existing fence and/or wall shall be permitted outside of the property boundary lines. No new or existing concrete (or similar) wall and/or fence is permitted where there is a public easement. The removal of such existing structures shall be required prior to the issuance of any permits.

99. WATER METER: This project shall use one public water meter with a backflow preventer, provided by the City's water operator. Additional water meters, one for each lot or unit, shall be purchased and installed by the developer, maintained privately, and stored onsite.

100. SEWER CLEANOUT: If one does not already exist, the developer shall install a sanitary sewer cleanout at the front property line per East Palo Alto Sanitary District standards.

101. SEWER CAPACITY: The developer shall obtain approval from the East Palo Alto Sanitary District (EPASD). Any improvements or cash contributions required to accommodate sewer impacts shall be the sole responsibility of the developer.

102. The Driveway and Utility Easement and Maintenance Agreement shall be prepared and recorded concurrently with the Final Map to ensure long-term access, utility service, and maintenance responsibilities for the shared driveway and easements. The easements, driveway access, and the agreement shall be reviewed and approved by the City Engineer and City Attorney prior to final map approval. The Driveway and Utility Easement and Maintenance Agreement shall be consistent with the Covenants, Conditions and Restrictions (CC&Rs).

103. Clarify the ownership of the onsite water system prior to building permit submittal. If private, a master meter should be provided in the public right-of-way with submeter for each lot.

104. Concurrently with, and immediately following, recordation of the final parcel map, the applicant shall record with the San Mateo County Recorder a reciprocal easement agreement, in a form approved by the City Attorney, under which each parcel created by the map is benefited and burdened by perpetual, non-exclusive easements for shared vehicular parking, pedestrian and vehicular ingress, egress, and circulation over the parking areas and drive aisles of the other parcel, consistent with the approved site plan.

    The agreement shall provide for the use and maintenance of all private common-area facilities, including but not limited to the access roadway, drainage, sewer, water, landscaping, and walls; shall allocate responsibility for maintenance and repair among the benefited parcels; shall run with the land and bind all successors in interest; and shall not be amended or terminated without the prior written consent of the City. The recorded agreement shall be referenced on the final parcel map by its recording information.

    Public utility easements shall be dedicated on the final parcel map, and any necessary private utility easements shall be reserved in the reciprocal easement agreement, to the satisfaction of the City Engineer.

    All easement areas shall be kept clear of buildings and structures, except improvements directly serving the easement purpose (including paving, striping, signage, lighting, drainage, and utility appurtenances). No gate, fence, or other barrier shall be installed within shared access or circulation areas without the prior written approval of the City and the Menlo Park Fire Protection District.

105. DECORATIVE PAVEMENT: All proposed decorative pavement and vertical curb pertaining to on-site development shall not be located within the City right-of-way.

106. PARCEL MAP AND EASEMENTS: A final map shall be filed over the property. The final map shall any easements.

107. RED CURBS: Red curbs shall not be used to designate parking/stopping restricted zones, except as required for public fire hydrants.

108. COMPLETION OF PUBLIC IMPROVEMENTS: Developer shall complete all required public improvements as required and in accordance with City approved plans, prior to any building occupancy.

109. UTILITY COMPANY APPROVAL: Obtain map approval letters from the utility companies in regard to any existing or new easements associated with their facilities.

110. RESERVATION/ABANDONMENT OF EASEMENTS: Reservation of new and/or abandonment of existing public/private utility easement(s), ingress/egress easement(s) necessary for the project shall be delineated on the map or recorded concurrently with the map with a separate instrument. Subdivision Map Act §66475 and §66499.20-1/2 for public easements) Quitclaim deed is required for abandonment of private easements prior to map recordation. All easements shall be kept open and free from buildings and structures of any kind except those appurtenances associated with the defined easements.

111. DAMAGE TO EXISTING PUBLIC IMPROVEMENTS: Developer shall be responsible to rectify any damage to the existing public improvements fronting and adjacent to the project site as a result of project construction, to City's satisfaction by the Public Works Department. All existing traffic detector loops and conduits shall be protected in place during construction. Any damaged detector loops shall be replaced within 7 days at the expense of the developer.

112. DRIVEWAY APPROACHES: Install a new driveway approach along the project frontage to comply with Americans with Disabilities Act (ADA) requirements and City standard details and specifications. Intersection-style driveway approach is not permitted.

113. UTILITY METER/VAULT: No existing or new utility meters or vaults shall be located within the new driveway approach. All existing or new utility vaults serving the project site shall be located on-site and not within the public utility easement, if any.

114. SANITARY SEWER AND STORM DRAIN TRIBUTARY PATTERN: This project is required to follow the existing sanitary sewer and storm drain tributary pattern. Any deviations would require additional analysis and subject to approval by the Public Works Department as part of the off-site improvement plan review process. This project shall not cause any negative impact on the drainage pattern for adjacent properties.

115. RE-USE OF EXISTING CITY UTILITY SERVICE LINES: The re-use of existing City water service lines is not allowed. Developer's contractor shall replace any deficient facilities as deemed necessary by the Department of Public Works.

116. OFF-SITE IMPROVEMENT PLANS: Submit off-site improvement plans separate from the Building on-site improvement plans as the off-site improvement plans are approved through a Public Works Encroachment Permit process.

117. POTHOLING: An encroachment permit shall be obtained for potholing purposes. The information should be used during design and construction to prevent utility conflicts related to new service laterals, tree installations, and so on.

118. BENCHMARKS: The improvement plans shall be prepared by using City's latest benchmarks (NAVD88) available on City's website. Plans based on NGVD29 will not be accepted.

119. UTILITY CONNECTION: This project requires connection to all public utilities or private utilities operating under a City or State franchise which provide adequate levels of service.

120. EXISTING UTILITY ABANDONMENT/RELOCATION: Developer is responsible for research on all existing utility lines to ensure that there are no conflicts with the project. All existing utility lines (public or private) and/or their appurtenances not serving the project and/or have conflicts with the project, shall be capped, abandoned, removed, relocated and/or disposed of to the satisfaction of the City. Existing public facilities within the street right-of-way shall be abandoned per City's Abandonment Notes and procedures, including abandonment by other utility owners.

121. MODIFICATIONS TO EXISTING PUBLIC UTILITIES: Developer is required to pay for all changes or modifications to existing City utilities, streets and other public utilities within or adjacent to the project site, including but not limited to utility facilities/conduits/vaults relocation due to grade change in the sidewalk area, caused by the development.

122. WET UTILITIES: All wet utilities (water, sanitary sewer, storm drain) on private property shall be privately owned and maintained. The fire and domestic water systems shall be privately owned and maintained beyond the meter.

123. Preliminary Site Plan: Grind & Overlay within streets are subject to evaluated and recommended by Geotechnical/Soils Engineer's. Some areas may need more than 2" Gring & Overlay. The applicant shall agree to propose depth of Grind & Overlay based on existing pavement conditions and determined by Soils Engineer.

124. Utility Plan: No New (OH) allowed. Existing OH shall be underground.

125. Show overflow and daylighting of all bioretention areas

126. TDM: The project must comply with the City's TDM requirements.

127. Consistent with the NPDES Construction General Permit, the following standard measures will be implemented to prevent stormwater pollution and minimize erosion and sedimentation during construction:

    a. The proposed project will file a Notice of Intent (NOI) with the SWRCB and prepare a SWPPP prior to commencing construction. The project's SWPPP shall include measures for:

        i. Soil stabilization
        ii. Sediment control
        iii. Sediment tracking control
        iv. Wind erosion control
        v. Non-stormwater management
        vi. Waste management and disposal control

    b. BMPs shall be implemented for reducing the volume of runoff and pollution in runoff to the maximum extent practicable during excavation, grading, and construction. All measures shall be included in the project's SWPPP and printed on construction documents, contracts, and project plans. The following erosion and sediment control measures, based upon Best Management recommendations by the RWQCB, shall be implemented by the project to reduce potential construction-related water quality impacts:

i. Stormwater inlet protection consisting of burlap bags filled with drain rock shall be installed around storm drain inlets to keep sediment and other debris out of the storm drainage system.
ii. All exposed or disturbed soil surfaces shall be watered at least twice daily to control dust, as necessary.
iii. Earthmoving or other dust-producing activities shall be suspended during periods of high winds.
iv. Stockpiles of soil or other materials subject to wind erosion shall be watered or covered.
v. All trucks hauling soil, sand, and other loose materials shall be watered or covered, and all trucks will be required to maintain at least two feet of freeboard.
vi. All paved access roads, parking areas and staging areas adjacent to the construction site shall be swept daily with water sweepers.
vii. Vegetation in disturbed areas shall be replanted as quickly as possible.

EAST PALO ALTO SANITARY DISTRICT

1. Prior to Certificate of Occupancy, Developer must upgrade the needed sewer main upgrades that will enable EPASD to serve the project. Developer will receive an impact fee credit for costs of improving the infrastructure.
2. EPASD will pay the difference of any additional amount of design and construction costs over the impact fee credit amount.
    a. Current Impact Fee Estimate for 2120-2160 Euclid: $3,540,250
    b. If agreed to, the following sewer main upgrades are portions located along: Donohoe Street and Cooley Avenue
    c. These main upgrades would satisfy a portion of EPASD Capital Improvement Project 2.1, as listed in the EPASD Sewer System Master Plan (see attached for a closer analysis of CIP 2.1)
    d. Details of the portions of CIP 2.1 can be provided in attachments if needed.

BUILDING DIVISION

1. Must make application for building permit and plan review under the building code in affect at the time of application. Application must comply with all building codes and city ordinances before a permit can be issued and pass all inspections before a Certificate of Occupancy can be issued.
2. A digital copy of the plans must be submitted for building review; including the digital submittal of all relevant supporting documents; structural calculations, energy compliance forms, soil reports etc.

REQUIREMENTS FOR BUILDING PERMIT SUBMITTAL:

3. Design the project to comply with the California Building Standards Code effective at the time of building permit application per CBC 1.1.9.
4. Imprint the Conditions of Approval on the plans submitted for building permits per CBC 107.2.1.

5. Submit complete Title 24 Certificate of Compliance forms for the proposed project. Incorporate the forms into the plan set per CEnC Section 10-103(a).
6. Imprint the Construction Best Management Practices (BMPs) into the plans submitted for building permits. Refer to the standard plan at http://www.flowstobay.org/construction per CBC 107.2.1.
7. Incorporate the CAL Green Mandatory Measures into the plans submitted for building permits. Reference Chapter 4 for residential mandatory measures and Chapter 5 for non-residential mandatory measures per CGC 4.101 and CGC 5.101, as applicable.
8. Include a geotechnical report in the submittal for the building permit. Incorporate the recommendations of the geotechnical report into the project per CBC 1803.1.1.
9. Temporary shoring plans must be submitted to the Building Division for review and approval before starting site excavation per CBC 107.2.5.
10. Provide individual water meters with sub-meters for each dwelling unit to comply with CPC 601.2.1.

REQUIREMENTS PRIOR TO ISSUANCE OF THE BUILDING PERMIT:

11. Approval of this project does not exempt the applicant from obtaining subsequent permits and approvals, including but not limited to: Grading Permit and Improvement Plan, Building Permit and Certificate of Occupancy, Fire Permit, and School District Development Impact Fee requirements per CBC 105.1.
12. A separate building permit is required from the Building Division for construction trailers. Submit plans and specifications for review and approval prior to installation per CBC 107.1.
13. Prior to permit issuance, schedule a pre-construction conference with the Building Division and applicant to review Conditions of Approval and construction-site procedures. The building owner/developer or their representative, designer, and contractor shall meet with City departments (BUILDING, PUBLIC WORKS, PLANNING, FIRE) per CBC 107.2.5.
14. Please note on the plan that construction activity is limited to the following hours per City of East Palo Alto Municipal Code Section 15.04.125: Monday through Friday from 7:00 AM to 6:00 PM, Saturday from 9:00 AM to 5:00 PM for any on-site or off-site work within 500 feet of any residential unit., and no activity is allowed on Sundays and national holidays.
15. Utilize "quiet" air compressors and other stationary noise sources where technology exists.
16. Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment.
17. Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from sensitive receptors.
18. Prohibit unnecessary idling of internal combustion engines.
19. Designate a “disturbance coordinator” who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the

cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem.

20. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.
21. Prior to issuance of building permits, emergency generators shall be selected and designed to meet the City's exterior and interior noise level requirements. A qualified acoustical consultant shall be retained by the project applicant to review mechanical noise as the equipment systems are selected and determine specific noise reduction measures necessary to reduce noise to comply with the City's 55 dBA L50 daytime exterior limit and 50 dBA L50 nighttime exterior limit at the nearest residential property lines. Noise reduction measures could include, but are not limited to, selection of equipment that emits low noise levels and/or installation of noise barriers, such as enclosures and parapet walls to block the line-of-sight between the noise receptors. Alternate measures may include locating equipment in less noise-sensitive areas.
22. Submit a pedestrian protection plan for review and approval prior to construction. The plan must comply with CBC Section 3306, including provisions for walkways, barriers, and covered walkways as applicable. Coordinate with the fire district to confirm fire department access remains unobstructed per CBC 3306.1.
23. Add a note stating that the contractor must prepare hazardous waste collection on-site prior to removal or treatment per CGC 5.408.1
24. Submit a waste management plan to the Building and Safety Division. The plan must include estimated composition and quantities of waste and demonstrate recycling of at least 65% of total construction waste by weight or volume. Provide proof of compliance to the Chief Building Official or their designee prior to permit issuance per CGC 5.408.1.1.
25. All construction and demolition (C&D) debris must be contained on-site in covered bins with adequate service to prevent spillage and environmental hazards, as required by East Palo Alto Municipal Code Chapter 15.56 and the California Green Building Standards Code (CAL Green) Section 5.408.1. Storing debris in the public right-of-way is prohibited unless explicitly authorized by the city. Proper containment and timely removal of debris are essential to ensure compliance with waste management regulations.
26. Self-hauling is permitted in the City of East Palo Alto under specific conditions as outlined in East Palo Alto Municipal Code Section 8.32.110. Self-haulers must source separate recyclable materials, organic waste, and other solid waste in compliance with the California Code of Regulations (14 CCR Sections 18984.1–18984.3) and ensure proper disposal or recovery at authorized facilities. For construction and demolition (C&D) waste, self-haulers must also adhere to the requirements of East Palo Alto Municipal Code Chapter 15.56. All self-haulers must maintain records of waste disposal and provide them to the city upon request.

REQUIREMENTS PRIOR TO FINAL AND CERTIFICATE OF OCCUPANCY:

27. A minimum of 10 days prior to anticipated occupancy, the applicant must schedule final inspections by all required Departments per CBC 111.1.

HOUSING DIVISION

Actions Prior to Issuance of a Building Permit

Prior to approval of Building Permits, the applicant is responsible for the following:

1. An executed Inclusionary Housing Agreement with the City of East Palo Alto codifying the project's inclusionary obligation, pursuant to Section 18.37.090(B) of the Development Code of the City of East Palo Alto, which shall be recorded against the residential development prior to the approval of any final or parcel map or issuance of a building permit, whichever comes first.
2. This approval is expressly conditioned upon the City Council's acceptance of the applicant's proposed alternative means of compliance with the Inclusionary Housing Ordinance (Chapter 18.37 of the East Palo Alto Municipal Code). No building permit shall be issued for the project unless and until the City Council has accepted the alternative compliance proposal and the applicant has executed and recorded the Inclusionary Housing Agreement required above to reflect that acceptance. If the City Council does not accept the proposed alternative means of compliance, the applicant shall revise the project to satisfy the Inclusionary Housing Ordinance through the standard requirement or another means acceptable to the City, and any resulting material change shall be subject to further review under the Development Code.
3. The project's reliance on the seventy-eight (78) units credited toward the Woodland Park Development Agreement obligation is contingent upon the effectiveness of the First Amendment to the Woodland Park Development Agreement. No building permit that relies on those units shall be issued unless and until that First Amendment has taken effect in accordance with law, and the applicant shall provide evidence of the amendment's effective date to the Planning Division prior to building permit issuance. The 78 units credited to the Development Agreement obligation shall not be double-counted toward any other affordability or density-bonus eligibility requirement.

Actions Required for Housing Division's Clearance of Final Inspection and Issuance of Certificate of Occupancy

No Final Inspection Approval, Temporary Certificate of Occupancy, Certificate of Occupancy, or Notice of Completion for any units will be issued until all requirements of the Inclusionary Housing obligations pursuant to Chapter 18.37 of the Development Code of the City of East Palo Alto are met.

CITY ATTORNEY

1. To the maximum extent permitted by law, the applicant (or its successor in interest) shall defend (with counsel acceptable to the City), indemnify, and hold harmless the City of East Palo Alto, its City Council, Planning Commission, officials, employees, agents and volunteers (collectively, "Indemnitees") from and against any and all claims, actions, or proceedings against Indemnitees to attack, set aside, void or annul an approval by Indemnitees relating to this project. This indemnification shall include, but is not limited to, all damages, losses, and expenses (including, without limitation, legal costs and attorney's fees) that may be awarded to the prevailing party arising out of or in connection with an approval by the Indemnitees relating to this project. The City shall promptly notify the applicant of any claim, action or proceeding and the City shall cooperate in the defense. The City may elect, in its sole discretion, to participate in the

defense of said claim, action, or proceeding and the applicant (or its successor in interest) shall reimburse the City for its reasonable legal costs and attorneys' fees.

MENLO PARK FIRE PROTECTION DISTRICT (MPFD)

1. Prior to issuance of any building permit, the applicant shall secure and record emergency vehicle access sufficient to serve the project for fire suppression, rescue, and emergency medical response by Menlo Park Fire Protection District.

   Fire Apparatus Access:

   Planning application for proposed construction for two (2) new 5 level Multi-Family Residential buildings wrap around two (2) 6 level enclosed parking structures. The project is to comply with the 2022 CA Building / Fire Codes and local amendments. The following planning review Advisory Comments are applicable to this submittal:

   Access: For the purpose of access point requirement this issue has been addressed as part of the AMMR review process, approved AMMR signed by the Fire Marshal and dated on May 27, 2026, is listed as MAMMR26-0005 shall be attached to future submittal's for this project.

2. Water Supply:
   a. Applicant to provide fire flow information through a separate engineered plan showing how this is to be achieved. This document shall be submitted to Menlo Park Fire Protection District for review and approval.

3. Fire Flow for building is as follows:
   a. Total Building Area - Building A
   b. Building A - 274,647 sq ft

   Type IA Construction - 6.000 gpm
   Type IIIA Construction – 6,000 gpm
   c. Percentage of Building - Building A
   d. Type IA = 60,449/274,647 x 100 = 21.0%
   e. Type IIIA = 221,594/274,647 x 100 = 79.0%
   f. Therefore – Building A
   g. 0.210 (1,260) + 0.790 (4,740) = 6,000 gpm / 2 = **3,000 gpm @ a flow duration of 3 hours.**
4. Total Building Area - Building B
   a. Building B - 383,612 sq ft

   Type IA Construction - 6.000 gpm
   Type IIIA Construction – 6,000 gpm
5. Percentage of Building - Building A
   a. Type IA = 159,666/383,612 x 100 = 41.0%
   b. Type IIIA = 223,946/383,612 x 100 = 59.0%
6. Therefore – Building B
   a. 0.410 (2,460) + 0.590 (3,541) = 6,000 gpm / 2 = **3,000 gpm @ a flow duration of 3 hours.**

When calculating the required fire flow for the buildings suppression systems increased design densities will be required for garage level with a designated design density set to

.40gpm/2500 floor area. Make sure your Fire Protection Engineer is aware of this detail since this may impact your fire flow requirements.

Note; If the applicant proposes any future AMMR request, the previous signed AMMR shall be subject to a re-review. Only a single AMMR is permitted, MPFD will not accept multiple AMMR's for a given project.

Nothing in this review is intended to authorize or approve any aspects of the design or installation which do not strictly comply with all applicable codes and standards. Menlo Park Fire Protection District is not responsible for inadvertent errors or omissions pertaining to his review and/or subsequent field inspection(s) i.e., additional comments may be added during subsequent drawing review or field inspection. Please call with any questions.

POLICE DEPARTMENT

Addressing

1. When there are multiple structures, an address monument and/or complex map should be erected which incorporates an elevated view of the complex buildings and addresses. It would be illuminated during the hours of darkness and positioned to be readily readable from main vehicular or pedestrian access points.
2. Each individual building and unit should be clearly marked with the appropriate building number and address and should be positioned to be easily viewed from vehicular and pedestrian pathways throughout the complex. Main building numbers should be a minimum height of 12"

Lighting

3. Adequate lighting of parking lots and associated carports, driveways, circulation areas, aisles, passageways, recesses and grounds contiguous to buildings should have enough lighting with sufficient wattage to provide adequate illumination to make clearly visible the presence of any person on or about the premises during the hours of darkness and to provide a safe and secure environment for all persons, property and vehicles on site.

Landscaping

4. Landscaping should be situated in locations to maximize observation while providing the desired degree of aesthetics. Security planting materials are encouraged along the fence and property lines and under vulnerable windows.

Garage and Parking Lot

5. "No Trespassing/Loitering" signs are recommended to be posted at the entrances of parking lots and located in other appropriate places. Signs should be at least 2'by1' in overall size, with white background and black 2" lettering.
6. §9.08.010 of the East Palo Alto Municipal Code should be included as a reference on the no loitering signs.
7. All entrances to parking areas should be posted with the appropriate signs per 22658(a) of the California Vehicle Code to assist in the removal of vehicles at the owner/manager's request.

Fencing/Access Control

8. Access control should be implemented in the parking structure. Adequate pedestrian and vehicular access control to the development can mitigate many potentially problematic safety issues about surveillance and unwanted entry. It can also help alleviate the need for full-time security in larger developments, notwithstanding factors such as site location, projected growth contiguous to the development, prior crimes in the area, etc. a slightly recessed access control gate should be utilized at all parking garage openings. It can be recessed enough so the development will not take on the appearance of a “fortress” but not so far away from the opening that a possible entrapment/ambush area is created. To further enhance safety a digital keypad entry system is recommended for apartment residence access, (over keycards, scanners, etc.). This type of entry provides quick and unhampered emergency personnel access to the interior of the development in the event of a critical incident or medical emergency. This is because emergency personnel en route to an event can confidentially access the entry code via a mobile computer.
9. When applicable, perimeter fencing of open design, such as wrought iron, tubular steel, or densely meshed and heavy-posted chain link, should be installed to establish territoriality and defensible space, while maintaining natural surveillance.

Line of Sight/Natural Surveillance

10. If they exist, common use facility rooms such as conference, laundry, TV rooms, etc. should have doors that contain transparent material for surveillance. Designing a window contiguous to the door would serve the same purpose. Designing doors to these types of rooms so that they can be locked open during hours of use is another recommendation.
11. Wide angled peepholes should be incorporated into all dwelling front doors and to all solid doors where visual scrutiny to the door from public or private space is compromised.
12. Stairwells and elevator lobbies should be of open design whenever structurally possible.
13. It is highly recommended to have an elevator shaft that can be transparent, making occupants of the cab visible from the outside.
14. Convex mirrors should be installed in elevator cabs and at stairwell landings.
15. Trash enclosures should not hinder needed surveillance.

    Other line of sight obstructions including recessed doorways, alcoves, etc. should be avoided on building exterior walls and interior hallways.

DAVID J. POWERS & ASSOCIATES, INC.
ENVIRONMENTAL CONSULTANTS & PLANNERS

MEMORANDUM

Date	July 20, 2026
To	Alvin Jen, Associate Planner, City of East Palo Alto
From	Carolyn Mogollon, Project Manager Akoni Danielsen, Principal Project Manager
Subject	Euclid Avenue Mixed-Use Project – CEQA Categorical Exemption Qualification

I. Introduction to Categorical Exemptions

The California Environmental Quality Act (CEQA) Guidelines contain classes of projects that have been determined not to have a significant effect on the environment and are, therefore, exempt from the provisions of CEQA. CEQA Guidelines Sections 15301 – 15333 constitute the list of categorically exempt projects and contain specific criteria that must be met in order for a project to be found exempt. CEQA Guidelines Section 15332 In-Fill Development Projects sets forth conditions for in-fill projects that may be found categorically exempt. Additionally, CEQA Guidelines Section 15300.2 includes a list of exceptions to categorical exemptions, none of which may apply to a project for it to qualify for a categorical exemption (i.e., if an exception applies, a project is precluded from being found categorically exempt).

The City of East Palo Alto, serving as the Lead Agency, is completing environmental review for the Euclid Avenue Mixed-Use project ("project") in compliance with CEQA, the CEQA Guidelines (California Code of Regulations Section 15000 et. seq.), and the regulations and policies of the City of East Palo Alto. This Memorandum describes the proposed project and provides analysis and evidence to support a determination by the City of East Palo Alto that the project would be eligible for a Categorical Exemption under CEQA.

II. Existing Conditions

The Euclid Avenue Mixed-Use project (herein referred to as project/proposed project) is located on an approximately four-acre site that consists of two parcels (Assessor's Parcel Numbers [APN] 063-292-380 and 063-292-320) at 2120-2180 Euclid Avenue in East Palo Alto.[1] The project site is

[1] The proposed development would occur on APN 063-292-380. An emergency vehicle access road and athletic court are proposed on APN 063-292-320.

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currently occupied by 13 buildings used as administrative offices, a special education facility, and bus parking lots associated with the Ravenswood City School District. Additionally, the project site includes a portion of Bell Street Park. The project site is located in an urbanized part of East Palo Alto and is bordered by Euclid Avenue and mixed-use and residential uses to the west, a vacant lot and gas station to the east, Bell Street Park, the Lewis and Joan Platt East Palo Alto Family YMCA, and the East Palo Alto Senior Center to the north, and Donohoe Street and US 101 to the south. The project site's regional location and general vicinity are shown in Figure 1 and Figure 2, respectively. Figure 3 provides an aerial photograph of the project site and surrounding land uses.

The site is designated as Mixed-Use High[2] and Parks/Recreation/Conservation in the Vista 2035 General Plan (General Plan) and is zoned Mixed Use High and Public Recreation in the City of East Palo Alto Development Code (Development Code).

III. Project Description

The project would demolish all 13 existing occupied office buildings[3] at 2120-2160 Euclid Avenue, totaling approximately 49,088 square feet, and construct two new six-story buildings (one mixed-use and one residential) totaling approximately 923,224 square feet and containing up to a total of 430 residential units (including four managers units, two in each building) and approximately 2,074 square feet of ground floor retail uses in two phases, approximately over 26 months. The project would also include construction of two new emergency vehicle access roads on-site (including one within Bell Street Park) and an optional athletic court in Bell Street Park. A conceptual site plan is shown in Figure 4. All of the residential units on-site would be deed-restricted affordable.

Phase I would include construction of the residential building. The residential building would include up to 210 residential units located on the upper five floors wrapped around a three-story parking garage. The residential building would have a maximum height of approximately 80 feet and include a fitness room, coworking space, community room, lobby and leasing offices. Five courtyards totaling approximately 18,082 square feet would be provided on the second and fourth floors. Conceptual elevations of the residential building are shown in Figure 5.

[2] Mixed-Use High land use designation allows for multi-family residential, attached single-family residential, retail, services, office, and R&D uses up to 86 units per acre with a commercial FAR of up to 2.5. The maximum building height is eight stories or 100 feet.

[3] On December 8, 2022, the Ravenswood City School District Board of Directors approved an action to relocate the district offices from the project site to a parcel adjacent to the Cesar Chavez Ravenswood Middle School site, approximately 0.45 miles north of the project site. As a part of the relocation, the District will construct a new 10,000 square foot building and 20,000 square foot surface parking lot. A Notice of Exemption was filed for the new facility on May 17, 2024. The new facility is expected to be operational in October 2026. Source: Ravenswood City School District. "Notice of Exemption for District Office and Accompany Classrooms." May 17, 2024; William Eger, Assistant Superintendent, Finance, Operations, Data, and Technology, Ravenswood City School District. Personal Communication. March 27, 2025; and Gina Sudaria, Superintendent, Ravenswood City School District. Personal Communication. July 14, 2026.

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Phase II would occur after Phase I is complete and include construction of the mixed-use building with up to 220 residential units, approximately 2,074 square feet retail uses, and a partial at-grade parking garage. The residential units would be located on the second to sixth floors and the retail would be located on the ground floor near the Donohoe Street/Euclid Avenue intersection. The mixed-use building would have a maximum height of approximately 80 feet and would include a fitness room, coworking space, community room, lobby and leasing offices. Approximately 13,161 square feet of common open space would be provided in the form of three courtyards on the second floor. Conceptual elevations of the mixed-use building are shown in Figure 6.

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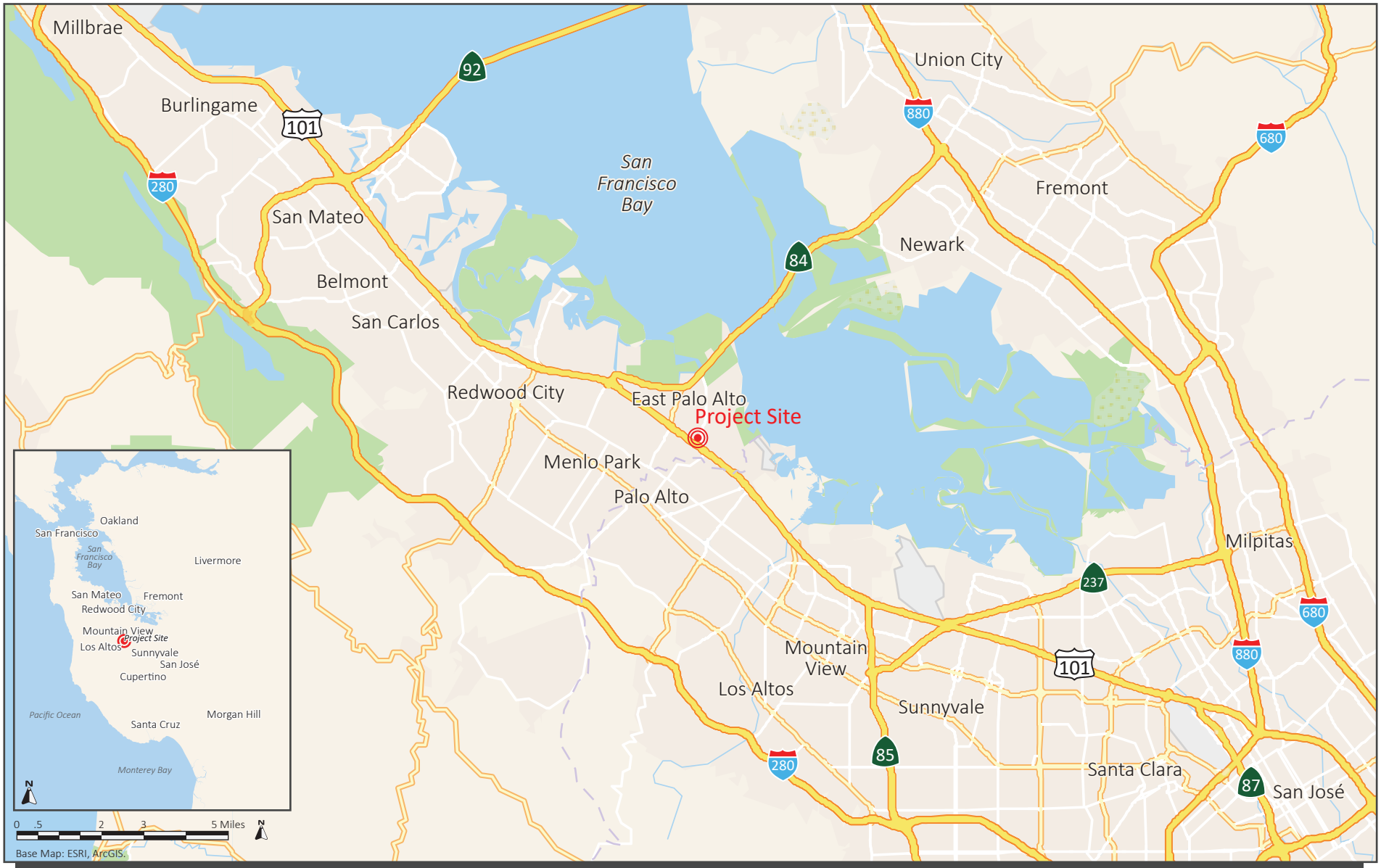
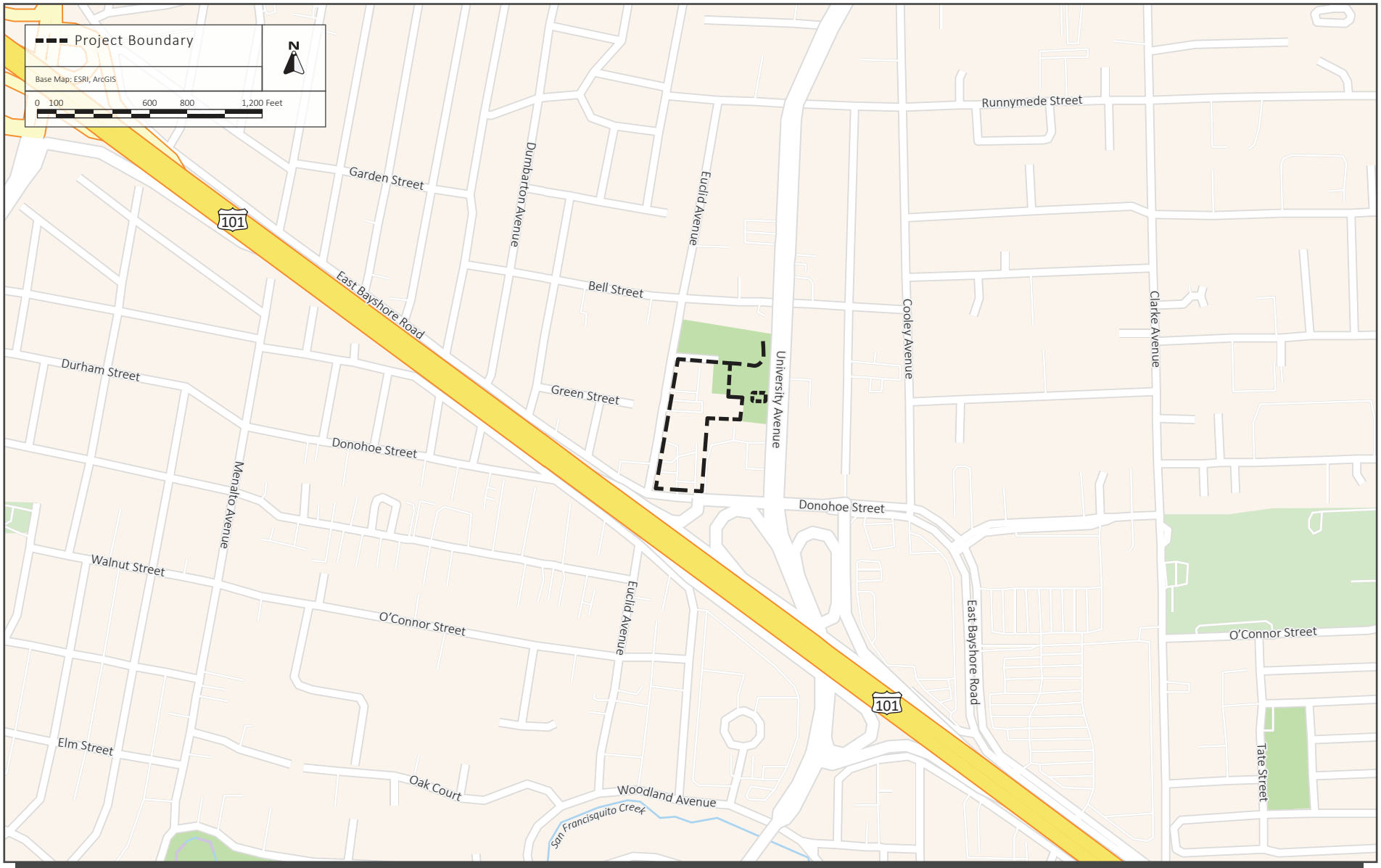
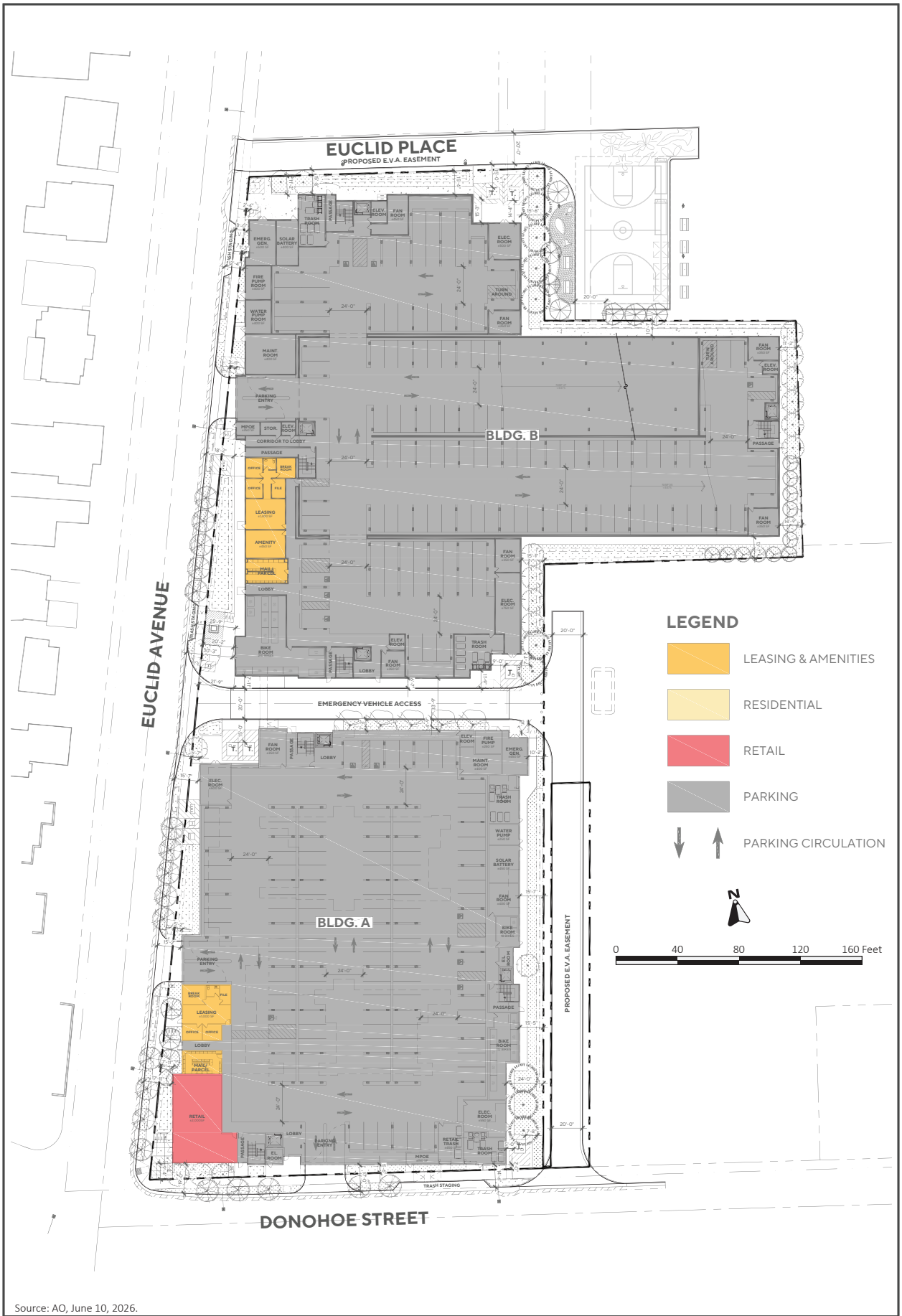


REGIONAL LOCATION MAP | FIGURE 1



VICINITY MAP | FIGURE 2

AERIAL PHOTOGRAPH AND SURROUNDING LAND USES | FIGURE 3



Source: AO, June 10, 2026.

CONCEPTUAL SITE PLAN | FIGURE 4

WEST ELEVATION

SOUTH ELEVATION

Source: AO, June 10, 2026.

CONCEPTUAL ELEVATIONS OF RESIDENTIAL BUILDING | FIGURE 5

WEST ELEVATION

SOUTH ELEVATION

Source: AO, June 10, 2026.

CONCEPTUAL ELEVATIONS OF MIXED-USE BUILDING | FIGURE 6

Site Access

Vehicle access to the project site would be provided via up to four new driveways on Euclid Avenue, including one at the center of each building, one between the two buildings, and one adjacent to the north property line, and up to one new driveway on University Avenue. The driveways at the center of each building would provide access to parking garages within each building. Three emergency vehicle access scenarios are being considered, all of which include a driveway and access road between the buildings. The second emergency vehicle access would include one of the following three options 1) a new approximately 150-foot by 20-foot driveway on Euclid Avenue adjacent to the northern property line and a new 80 foot by 20 foot driveway on University Avenue within Bell Street Park adjacent to the southern park boundary (refer to Figure 7) a picnic area with four new trees would be constructed adjacent to the driveway, 2) a new 275 foot by 20 foot driveway and access road extending from Euclid Avenue adjacent to the northern property line and terminating in a hammerhead with striping for a sports court (refer to Figure 8); or 3) a temporary access easement to utilize the existing Bell Street Park Place for emergency vehicle operations (refer to Figure 9).

As noted above, the residential building would include three levels of above grade parking wrapped by leasing and amenities space, residential units (on the second and third floors) and the building façades. The mixed-use building would include one partial level of at-grade parking garage wrapped by the retail, leasing and amenities space and by the building facades. A total of 438 vehicle and 344 bicycle parking spaces are proposed, including 114 vehicle and 132 bicycle parking spaces within the mixed-use building and 326 vehicle and 210 bicycle spaces within the residential building.

Landscaping

Existing on-site landscaping includes turf and ornamental trees and shrubs along the perimeter of the site and buildings. There are up to 72 existing trees on and adjacent to the project site, including up to 68 that are considered protected trees under the City's Development Code. The project would remove up to 16 public and up to 43 private trees (including three unregulated trees), and preserve up to 13 trees located on adjacent properties. Up to one hundred thirty-one replacement trees would be planted as part of the project. Replacement trees and ornamental plants would be planted along the perimeter of the site and new buildings, as well as within the courtyards. Figures 10 and 11 show the conceptual landscaping plan.

Mechanical Equipment

The project would include mechanical equipment for building heating, cooling, and ventilation (HVAC), a fire pump, water pump, emergency generator, and solar battery. The HVAC equipment for each residential unit would be located on the wall within each unit and the HVAC equipment for the common areas would be mounted on a wall in the garage. No rooftop HVAC equipment is proposed. Consistent with the current 2023 Title 24 Building Code, the project would include an air

filtration/ventilation system rated MERV13 or higher. The fire pump, water pump, emergency generator, and solar battery would be located in utility rooms on the first floor of each building.

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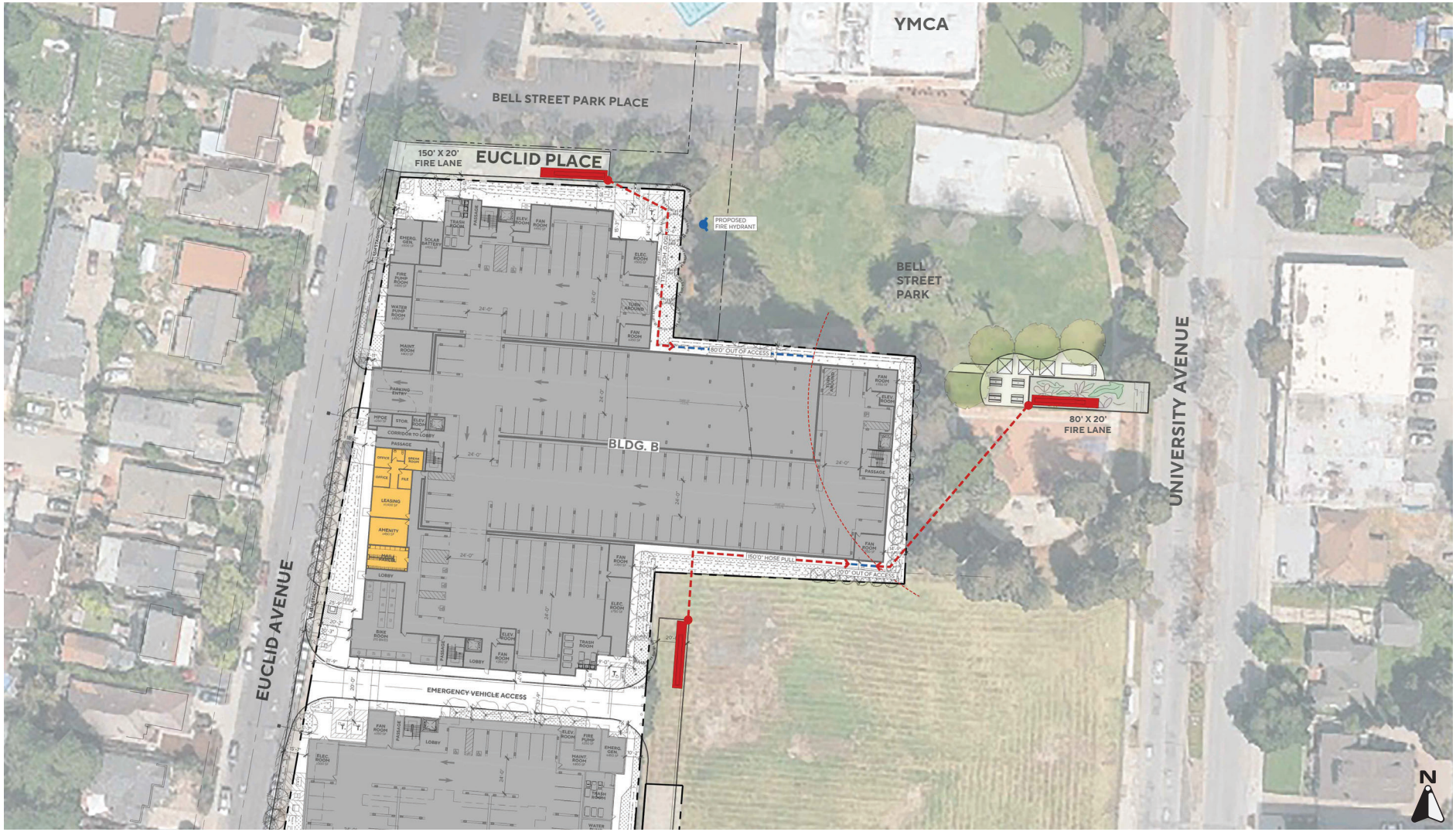
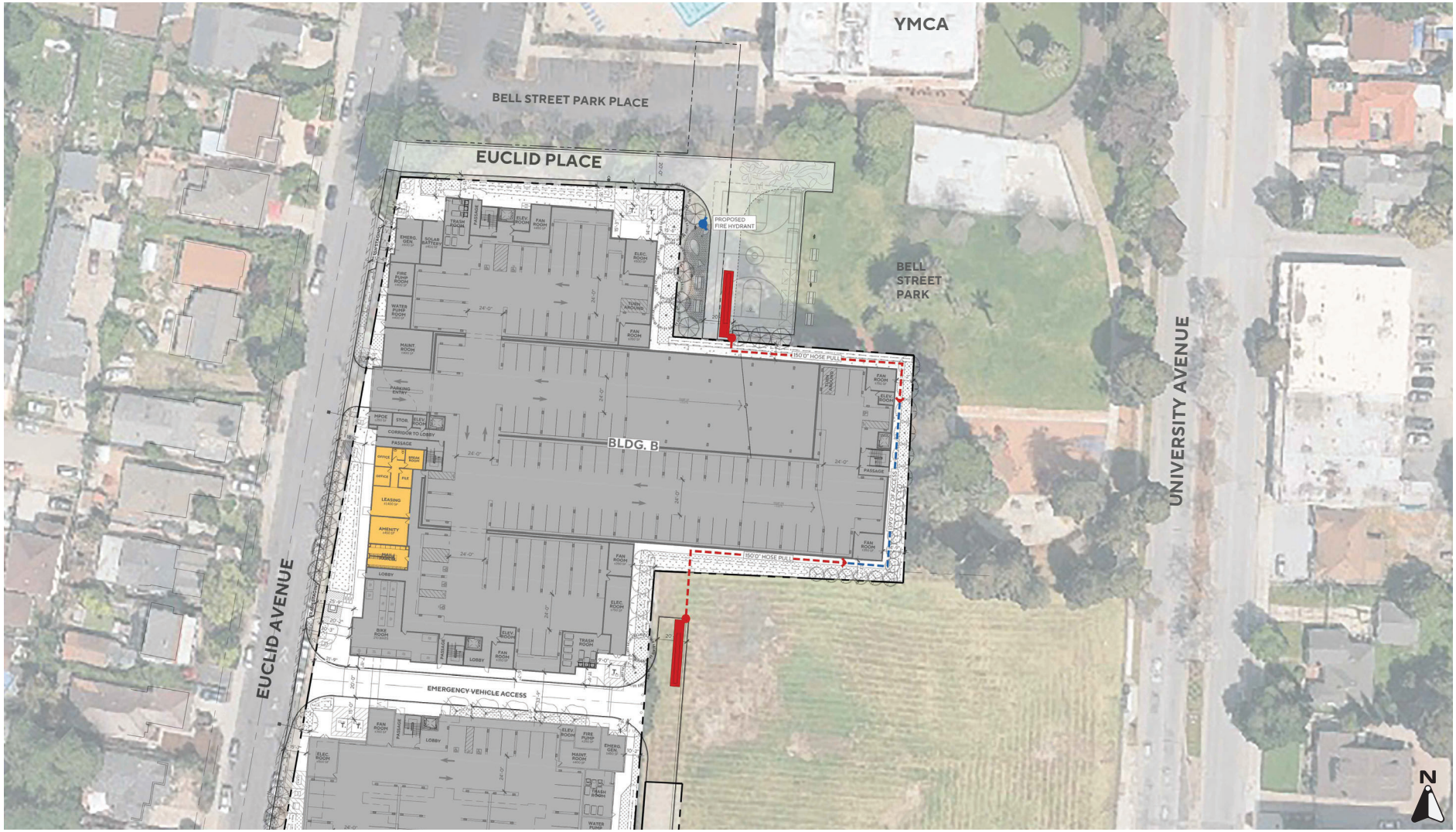


Source: AO Architects, July 9, 2026.

CONCEPTUAL EMERGENCY ACCESS PLAN OPTION 1 | FIGURE 7



Source: AO Architects, July 9, 2026.

CONCEPTUAL EMERGENCY ACCESS PLAN OPTION 2 | FIGURE 8

Source: AO Architects, July 9, 2026.

CONCEPTUAL EMERGENCY ACCESS PLAN OPTION 3 | FIGURE 9

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CANOPY
TREES				
	ACER BUERGERIANUM	TRIDENT MAPLE	48" BOX	20'
	CARPINUS BETULUS 'FRANS FONTAINE'	FRANS FONTAINE HORNBEAM	48" BOX	15'
	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	20'
	CORNUS X 'EDDIE'S WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	24" BOX	15'
	GINKGO BILOBA 'PNI 2726'	PRINCETON SENTRY® MAIDENHAIR TREE	48" BOX	15'
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24" BOX	15'
	LEPTOSPERMUM LAEVIGATUM	AUSTRALIAN TEA TREE	24" BOX	15'
	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	48" BOX	10'
	PINUS CANARIENSIS	CANARY ISLAND PINE	48" BOX	20'
	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	48" BOX	25'

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PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
SHRUB AREAS		
	SHRUB & GROUND COVER	PLANTING AREA
	STORM WATER TREATMENT	

2026-06-08 18:33

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
19	CONCRETE SCULPTURAL ELEMENTS
20	MURAL ON NEW FENCE OR ADD INTERPRETIVE SIGNAGE IN HOMAGE OF THE THE FORMER ART
22	FIRE LANE EDGE
24	EVENT SPACE FOR FOOD TRUCKS, FARMERS MARKET, EVENTS, POP-UP ART SHOW
25	EXISTING TURF AREA
26	ACCENT PAVING AT THE CORNER ENTRANCE
27	ACCENT PAVING AT THE EVA AISLE
28	STORM WATER TREATMENT PLANTER, SEE CIVIL PLANS
29	6' HIGH BLACK STEEL PICKET FENCE
30	NEW STREET TREES (SUBJECT TO VERIFICATION OF EXISTING UNDERGROUND UTILITIES)
31	SHORT TERM BIKE PARKING
32	TRASH STAGING AREA
33	**Gate for Fire Emergency Fire Access only**
34	PER EAST PALO ALTO MUNICIPAL CODE EPAMC 18.22.040, GROUND MOUNTED AND ROOF MOUNTED MECHANICAL EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW. PLANT MATERIAL, AN ENCLOSURE, OR A DECORATIVE SCREEN WILL BE USED WHERE APPLICABLE.
35	REMOVABLE BOLLARDS FOR FIRE & EMERGENCY VEHICLE ACCESS ONLY

Source: Thomas H. Phelps Landscape Architecture, June 10, 2026.

CONCEPTUAL LANDSCAPING PLAN FOR RESIDENTIAL BUILDING | FIGURE 10

Source: Thomas H. Phelps Landscape Architecture, June 10, 2026.

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
19	CONCRETE SCULPTURAL ELEMENTS
20	MURAL ON NEW FENCE OR ADD INTERPRETIVE SIGNAGE IN HOMAGE OF THE THE FORMER ART
22	FIRE LANE EDGE
24	EVENT SPACE FOR FOOD TRUCKS, FARMERS MARKET, EVENTS, POP-UP ART SHOW
25	EXISTING TURF AREA
26	ACCENT PAVING AT THE CORNER ENTRANCE
27	ACCENT PAVING AT THE EVA AISLE
28	STORM WATER TREATMENT PLANTER, SEE CIVIL PLANS
29	6' HIGH BLACK STEEL PICKET FENCE
30	NEW STREET TREES (SUBJECT TO VERIFICATION OF EXISTING UNDERGROUND UTILITIES)
31	SHORT TERM BIKE PARKING
32	TRASH STAGING AREA
33	**GATE FOR FIRE EMERGENCY FIRE ACCESS ONLY**
34	PER EAST PALO ALTO MUNICIPAL CODE EPAMC 18.22.040, GROUND MOUNTED AND ROOF MOUNTED MECHANICAL EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW. PLANT MATERIAL, AN ENCLOSURE, OR A DECORATIVE SCREEN WILL BE USED WHERE APPLICABLE.
35	REMOVABLE BOLLARDS FOR FIRE & EMERGENCY VEHICLE ACCESS ONLY

N

0 20 40 60 Feet

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CANOPY	QTY	MATURE HEIGHT	MATURE WIDTH
TREES							
	ACER BUERGERIANUM	TRIDENT MAPLE	48" BOX	20'	1	15 - 25FT. HT.	15 - 25FT. W.
	CARPINUS BETULUS 'FRANS FONTAINE'	FRANS FONTAINE HORNBEAM	48" BOX	15'	4	25 - 40FT. HT.	10 - 15FT. W.
	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	20'	12	15 - 25FT. HT.	15 - 25FT. W.
	CORNUS X 'EDDIE'S WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	24" BOX	15'	14	25 - 40FT. HT.	15 - 25FT. W.
	GINKGO BILOBA 'PNI 2720'	PRINCETON SENTRY® MAIDENHAIR TREE	48" BOX	15'	14	40 - 65FT. HT.	15 - 25FT. W.
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24" BOX	15'	30	10 - 15FT. HT.	10 - 15FT. W.
	LEPTOSPERMUM LAEVIGATUM	AUSTRALIAN TEA TREE	24" BOX	15'	1	10 - 15FT. HT.	10 - 15FT. W.
	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	48" BOX	10'	13	40 - 65FT. HT.	3 - 6FT. W.
	PINUS CANARIENSIS	CANARY ISLAND PINE	48" BOX	20'	8	> 65FT. HT.	15 - 25FT. W.
	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	48" BOX	25'	4	25 - 40FT. HT.	25 - 40FT. W.

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	MATURE HEIGHT	MATURE WIDTH
SHRUB AREAS							
	COBBLE 4-6``	RIVER WASHED COBBLE	---		5,887 SF		
	FALL ZONE MATERIAL	FALL ZONE	---		6,348 SF		
	SHRUB & GROUND COVER	PLANTING AREA	---		15,491 SF		
	STORM WATER TREATMENT		---		6,823 SF		

CONCEPTUAL LANDSCAPING PLAN FOR MIXED USE BUILDING | FIGURE 11

Utility Improvements

Utilities within the project site include existing utility poles and overhead wires along the southern property line and a fire hydrant at the Euclid Avenue/Donohoe Street intersection. With implementation of the project, the existing utility poles on Euclid Avenue would be removed and overhead wires would be undergrounded. The existing utility poles and overhead wires on Donohoe Street and the fire hydrant would remain.

The project would replace the existing six-inch water line in Euclid Avenue with a new 12-inch water line from the north property line to the Euclid Avenue/Donohoe Street intersection and the existing 10-inch water line in Donohoe Street with a new 12-inch line from the Euclid Avenue/Donohoe Street intersection to the southeast property line. The project would connect to the new water line in Euclid Avenue via one new six-inch potable water lateral and five new six-inch and one new eight-inch fire water laterals. The project would also connect to the water line in Donohoe Street via one new six-inch potable water lateral, a new six-inch fire water lateral, and a new eight-inch fire water lateral. The project is anticipated to disturb approximately 3,900 square feet for the replacement waterlines.

The project would connect to the existing 24-inch storm drain line in Euclid Avenue via two new 12-inch storm drain laterals, one at each of the buildings. The project would also extend a new 12-inch storm drain line around the perimeter of the residential building, behind the mixed-use building and beneath the emergency vehicle access road.

The project would replace the existing 12-inch sanitary sewer line in Donohoe Street and Cooley Drive from the project site to Green Street with a new 15-inch sanitary sewer line. The project would connect to the sewer line in Euclid Avenue via a six- to 12-inch “T” shaped sanitary sewer line extending between the two buildings beneath the emergency vehicle access road and behind the buildings along the eastern property line. The project is anticipated to disturb approximately 4,800 square feet for the replacement sewer lines.

Green Building Measures

The proposed project would include the following green building measures:

- Building constructed in compliance with California Green Building Standards Code (CalGreen)
- All electric building construction (no natural gas proposed)
- Installation of Level 2 EV charging stations and EV ready parking spaces
- Water-efficient landscaping

Construction

Construction of the project would be completed in two phases over a period of approximately 33 months beginning in June 2027. As previously noted, Phase II would be constructed once Phase I

has been constructed and is operational. Construction activities would occur between 7:00 AM and 6:00 PM Monday through Friday and between 9:00 AM and 5:00 PM on Saturdays, consistent with Municipal Code requirements. No construction is proposed on Sundays or holidays. During project construction, the existing buildings, pavement, and landscaping would be removed. The maximum depth of excavation required to construct the proposed buildings would be approximately three feet below ground surface (bgs) and the maximum depth of excavation for the proposed water line improvements would be 10 feet bgs. The project would result in the export of approximately 9,431 cubic yards of soil. Assuming 12 cubic yards per truckload, approximately 786 truckloads would be required. No pile driving is proposed.

IV. Environmental Review

The purpose of this section is to document whether any of the exceptions listed in CEQA Guidelines Section 15300.2 apply to the project and assess the project's eligibility for a Categorical Exemption from CEQA under Section 15332 (Class 32) In-Fill Development Projects.

Section 15332 – In-Fill Development Projects

Section 15332, or Class 32, applies to projects characterized as in-fill development meeting specific conditions. These conditions, along with the project's consistency with them, are described below.

(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.

General Plan Consistency

The project site is designated as Mixed-Use High and Parks/Recreation/Conservation in the General Plan. According to the General Plan, the Mixed-Use High designation supports multi-story mixed-use buildings. Residential only projects (i.e. without a commercial component) are not allowed. At least 35 percent of the ground floor space of buildings shall be retail. Residential densities up to 86 units per acre and FARs of up to 2.5 are allowed within the Mixed-Use High designation. The maximum building height is eight stories or 100 feet, whichever is greater. The Parks/Recreation/Conservation designation provides for public parks such as local, community, and regional parks.

The project would construct two approximately 80-foot-tall buildings on the portion of the site designated as Mixed-Use High. A portion of the site designated as Parks/Recreation/Conservation would be used for emergency vehicle access and as a possible athletic court. No housing is proposed within the portion of the site designated as Parks/Recreation/Conservation. The project would have a total residential density of 105 dwelling units per acre and an FAR of 3.71. As noted in Section III Project Description, the project applicant is requesting a density bonus and waivers from the development standards under the State Density Bonus Law for the residential density to exceed

the maximum density of 86 units per acre allowed and to be relieved of the requirement to include 35 percent ground floor retail space in the Phase I building and to construct the Phase II building as a strictly residential building. With the application of the state density bonus, the project would be consistent with the General Plan and would not require a General Plan Amendment.

Zoning Consistency

The project site is located within the Mixed-Use High and Parks and Recreation zoning districts. According to Section 18.12.010(C) of the East Palo Alto Development Code, residential only developments are not allowed within the Mixed-Use High zoning district; however, a horizontal mix of residential and non-residential uses within a single development is allowed. Fifty square feet of open space is required per residential unit in the Mixed-Use High district. The maximum building height is eight stories or 100 feet, whichever is greater. Parcels in the Mixed-Use high district must have a minimum side and rear setback of five feet and no more than a 20-foot front setback. The project would include a horizontal mix of uses on the site with ground floor retail provided in the mixed-use building and residential uses provided in both the mixed-use and residential building. A total of 31,039 square feet of common open space would be provided in the form of courtyards in both buildings. Both buildings would have a maximum height of approximately 80 feet where surrounding buildings are one to two stories. The project would have an approximately 22-foot front setback, five-foot setbacks on the side property lines and an 11-foot rear setback. The project requests a waiver from the open space requirement, massing requirement, and front setback under the State Density Bonus Law. Therefore, with the requested waiver, the project would conform to the zoning district development standards.

The Parks and Recreation zoning district provides for public parks and includes development standards for new structures. As previously noted in Section II. Project Description, the project would utilize a portion of the existing Bell Street Park for emergency vehicle access and as an athletic court. No structures are proposed within the park, therefore, the development standards for the Parks and Recreation zoning district do not apply.

(b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses.

The project site is located within the City of East Palo Alto city limits and is approximately four acres in size. The project would also disturb approximately 35,148 square feet off-site for a total area of disturbance of approximately 4.89 acres. As shown on Figure 3, the project site is located on an infill parcel in an established residential and commercial neighborhood surrounded by existing development. For these reasons, the project would meet the criteria for an infill project on less than five acres.

(c) The project site has no value as habitat for endangered, rare, or threatened species.

The following discussion is based on an Arborist Report and Arborist Report Addendum prepared by Woodreeve Consulting in June 2026. The report and memorandum are attached as Appendix A.

Habitat for Endangered, Rare, or Threatened Species

The project site is located on an infill site in an urbanized area of East Palo Alto, consisting of disturbed habitat, buildings, and pavement. The site is bordered by Euclid Avenue to the west, a vacant parcel and gas station to the east, a City park, YMCA, and City senior center to the north, and Donohoe Street to the south. The project site is surrounded by residential and commercial development and human activity in the area is high, resulting in a low likelihood that wildlife species sensitive to human disturbance would be present or use the project site. The site does not include and is not adjacent to any waterways, wetlands, or riparian habitat. Due to the developed and disturbed nature of the project site, there is no habitat suitable for locally occurring special-status species.

Although the project site does not have valuable habitat for endangered, rare, or threatened species, the project site and surrounding area contains trees, which could serve as habitat for nesting birds. Nesting birds are protected under provisions of the Migratory Bird Treaty Act (MBTA) and California Department of Fish and Wildlife (CDFW) Code Sections 3503, 3503.5, and 2800.[4] Additionally, Section 3503, 3503.5, and 3513 of the CDFW prohibit take of all birds and their active nests, including raptors and other migratory nongame birds (as listed under the MBTA). Tree removals would be completed consistent with applicable City permits and requirements. To comply with these existing federal and state regulations, the project would implement the following Standard Conditions of Approval.

Standard Conditions of Approval:

The following measures shall be implemented to avoid potential impacts to birds protected under the MBTA and CDFW:

- Tree removal and construction shall be scheduled to avoid the nesting season. The nesting season for most birds, including most raptors in the San Francisco Bay area, extends from February 1 through August 31, inclusive.

- If tree removals and construction cannot be scheduled outside of nesting season, a qualified ornithologist shall complete pre-construction surveys to identify active bird nests that may be disturbed during project implementation. This survey shall be completed no more than seven days prior to the initiation of demolition/construction activities during the breeding season (February 1 through August 31, inclusive), unless a shorter pre-

[4] United States Department of the Interior. "Memorandum M-37050. The Migratory Bird Treaty Act Does Not Prohibit Incidental Take." Accessed September 20, 2024.

construction survey is determined to be appropriate based on the presence of a species with a shorter nesting period. During this survey, the ornithologist shall inspect all trees and other possible nesting habitats in and immediately adjacent to the construction areas for nests. If an active nest is found in an area that would be disturbed by construction, the ornithologist shall designate a construction-free buffer zone to be established around the nest. The buffer would ensure that raptor or migratory bird nests would not be disturbed during project construction.

- Prior to the removal of trees or the issuance of any grading or building permit between February 1 – August 31, the project applicant shall submit a report indicating the results of the survey and any designated buffer zones to the satisfaction of the Director of Community Development, or their designee.

As discussed above, the project site does not provide habitat for endangered, rare, or threatened species. Additionally, implementation of the Conditions of Approval above would reduce potential impacts to nesting birds if they were to occupy the site during project construction to a less than significant level.

Tree Ordinance

There are 44 existing trees on the project site and 28 trees located adjacent to the project site. The species and evaluation summary for each tree are listed in Table IV-2 below.

Table IV-1 Summary of Existing Trees

Tree #	Species	Common Name	Circumference (inches)	Protected?
329	Acacia melanoxylon	Blackwood acacia	53	Yes
330	Acacia melanoxylon	Blackwood acacia	60,53	Yes
331	Acacia melanoxylon	Blackwood acacia	50, 47, 44, 25	Yes
332	Acacia melanoxylon	Blackwood acacia	72	Yes
333	Juniperus chinensis	Hollywood juniper	35	Yes
334	Juniperus chinensis	Hollywood juniper	69	Yes
335	Platanus x hispanica	London plane	47	Yes
336	Platanus x hispanica	London plane	53	Yes
337	Sequoia sempervirens	Coast redwood	100	Yes
338	Sequoia sempervirens	Coast redwood	157	Yes
339	Thuja plicata	Western red cedar	91	Yes
340	Thuja plicata	Western red cedar	63	Yes
341	Thuja plicata	Western red cedar	44	Yes

Tree #	Species	Common Name	Circumference (inches)	Protected?
342	Thuja plicata	Western red cedar	53	Yes
343	Thuja plicata	Western red cedar	53	Yes
344	Thuja plicata	Western red cedar	69, 63	Yes
345	Thuja plicata	Western red cedar	66	Yes
346	Fraxinus griffithii	Evergreen ash	100	Yes
347	Persea americana	Avocado	21, 21, 9	No
348	Liquidambar stryaciflua	Sweetgum	44	Yes
349	Sequoia sempervirens	Coast redwood	113	Yes
350	Cinnamomum camphora	Camphor	53	Yes
351	Quercus virginiana	Southern live oak	19	No
352	Quercus agrifolia	Coast live oak	50	Yes
353	Quercus agrifolia	Coast live oak	44, 41, 16	Yes
354	Ulmus parvifolia	Chinese elm	31	Yes
355	Ulmus parvifolia	Chinese elm	35	Yes
356	Ulmus parvifolia	Chinese elm	28	Yes
357	Prunus x cisterna	Purple-leaf plum	19, 16	Yes
364	Sequoia sempervirens	Coast redwood	100	Yes
374	Sequoia sempervirens	Coast redwood	69	Yes
375	Sequoia sempervirens	Coast redwood	103	Yes
377	Ailanthus altissima	Tree of heaven	50	Yes
378	Sequoia sempervirens	Coast redwood	78	Yes
380	Quercus agrifolia	Coast live oak	97	Yes
381	Sequoia sempervirens	Coast redwood	94	Yes
382	Sequoia sempervirens	Coast redwood	78	Yes
383	Sequoia sempervirens	Coast redwood	97	Yes
386	Sequoia sempervirens	Coast redwood	106	Yes
387	Sequoia sempervirens	Coast redwood	119	Yes
388	Acacia melanoxylon	Black acacia	65	Yes
389	Ulmus parvifolia	Chinese elm	31	Yes
390	Ulmus parvifolia	Chinese elm	25	Yes
391	Ulmus parvifolia	Chinese elm	28	Yes

Tree #	Species	Common Name	Circumference (inches)	Protected?
392	Ulmus parvifolia	Chinese elm	25	Yes
393	Platanus x hispanica	London plane	50	Yes
394	Platanus x hispanica	London plane	50	Yes
395	Platanus x hispanica	London plane	28	Yes
396	Platanus x hispanica	London plane	25	Yes
397	Platanus x hispanica	London plane	38	Yes
398	Platanus x hispanica	London plane	25	Yes
399	Platanus x hispanica	London plane	22	No
400	Fraxinus griffithii	Evergreen ash	151	Yes

The project would remove up to 59 existing trees on-site and preserve up to 13 existing trees (tree numbers 374, 375, 378, 380, 381, and 393 through 400) adjacent to the site. Of the on-site trees proposed for removal (under Emergency Vehicle Access Option 2, which is most impactful), 68 are considered protected trees under the City's Tree Preservation Ordinance. Municipal Code Section 18.28.080 requires a replacement ratio of 1:1 for all protected trees removed on private property. As shown in Figure 7 the project would plant up to 135 new trees, with up 101 proposed to be planted on site which exceeds the City's tree replacement ratios in Municipal Code Section 18.28.080. The project would comply with the City's tree preservation ordinance.

Furthermore, to avoid impacts during construction to existing trees being retained, the project shall implement the following Standard Conditions of Approval.

Standard Condition of Approval:

Tree Preservation. For the purpose of safeguarding trees during construction, the following conditions shall apply:

- Prior to the issuance of any approval or permit for the construction of any improvement on the building site, all trees on the site shall be inventoried by the owner or contractor as to size (including diameter/circumference), species and location on the lot and the inventory shall be submitted on a topographical map to the director; and
- Damage to any tree during construction shall be immediately reported by a person causing the damage, the responsible contractor, or the owner to the director, and the contractor and/or owner shall treat the tree for damage in the manner specified by the city arborist; and
- No construction equipment, vehicles or materials shall be stored, parked or standing within the tree dripline; and
- Drains shall be installed according to city specifications so as to avoid harm to trees due to

excess watering; and

- Wires, signs and other similar items shall not be attached to trees; and
- Cutting and filling around the base of trees to be retained shall be done only after consultation with the city arborist and then only to the extent authorized by the city arborist; and
- No paint thinner, paint, plaster or other liquid or solid excess or waste construction materials or wastewater shall be dumped on the ground or into any grate between the dripline and the base of the tree or uphill from any tree where certain substances might reach the roots through a leaching process; and
- Fencing shall be installed outside the canopy of the tree to be retained to the dripline during construction unless otherwise directed by the certified arborist to prevent injury to trees; and
- Wherever cuts or soil disturbances are made in the ground near the roots of trees, measures such as watering and mulching shall be taken to prevent exposed soil from drying out and causing damage to tree roots as prescribed in a certified arborist report.

With implementation of the above Standard Conditions of Approval to protect existing trees to be retained during construction, the project would comply with the City's Tree Preservation Ordinance.

(d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.

Traffic

The following traffic discussion is based on a Transportation Analysis prepared by Hexagon Transportation Consultants, Inc. in December 2024 and a Transportation Analysis Addendum in July 2026. The Transportation Analysis is included as Appendix B to this memorandum.

Transit, Bicycle, and Pedestrian Facilities

The proposed mixed-use project does not include any changes to the existing transit, roadway, and bicycle facilities. Existing pedestrian facilities in the vicinity of the site include sidewalks, crosswalks, and pedestrian signals at signalized intersections. Sidewalks are found along both sides of Euclid Avenue, University Avenue, Bell Street, and Donohoe Street east of University Avenue. Planned bicycle facilities in the project vicinity include a Class I Bike and Pedestrian Overcrossing of U.S. 101 at University Avenue and Class II bike lanes on University Avenue from Donohoe Street to the Bay Trail. The project would improve the pedestrian facilities in the project area by replacing the existing sidewalk with a six-foot-wide sidewalk and landscape buffer along the project frontages on Euclid Avenue and Donohoe Street. With the exception of temporary sidewalk closures during construction, the project would not inhibit pedestrian flow through the area by reducing sidewalk width or eliminating sidewalks to accommodate vehicular flow. In addition, the project would not include any features that would inhibit use of existing of planned bicycle facilities. Therefore, the

project would not conflict with any program, plan, ordinance, or policy addressing the circulation system.

Vehicle Miles Traveled (VMT) Screening

The City of East Palo Alto adopted a VMT policy on July 1, 2020. Based on the City's policy, the project would meet the definition of 100 percent affordable housing and local-serving retail and would result in a less than significant impact on VMT. Therefore, the proposed project would not conflict with or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b).

Noise and Vibration

The following noise discussion is based on a Construction Noise and Vibration Assessment and an Addendum Letter to the Noise and Vibration Assessment prepared by Illingworth & Rodkin, Inc. in March 2025 and July 2026, respectively. The Construction Noise and Vibration Assessment and Addendum are included as Appendix C to this memorandum.

The existing noise environment at the project site primarily results from traffic on US 101 and surrounding roadways.

Construction Noise

Section 15.04.125 of the City's Municipal Code generally limits construction activities to between 7:00 AM and 6:00 PM on weekdays and to between 9:00 AM and 5:00 PM on Sundays. Construction activities are prohibited on Sundays and national holidays.[5] During these allowable hours, construction noise would be exempt from the City's exterior and interior noise level standards at single- or multi-family residences, schools, hospitals, churches, and public libraries. Additionally, Policy 7.11 of the City's General Plan states that a significant construction noise impact would occur if substantial noise-generating construction activities (such as building demolition, grading, excavation, pile driving, use of impact tools, or building framing) occur within 500 feet of residential uses or 200 feet of commercial or office uses for more than 12 months. Further, large complex projects would require a construction noise logistics plan.

Construction of the project would involve demolition, site preparation, grading, trenching, building construction, paving, and architectural coating. No pile driving is proposed. As noted in Section III. Project Description, project construction activities would take place between 7:00 AM and 6:00 PM Monday through Friday and between 9:00 AM and 5:00 PM on Saturdays, consistent with Municipal Code Section 15.04.125. While the City of East Palo Alto does not establish noise level thresholds for construction, this analysis uses the noise limits established by the Federal Transit Administration (FTA) to quantify the level of significance due to temporary construction noise. The FTA identifies construction noise limits in the Transit Noise and Vibration Impact Assessment Manual. During

[5] Per Municipal Code Section 15.04.125 (B) an exception to the permitted construction hours may be granted by Planning Commission.

daytime hours, an exterior threshold of 80 dBA Leq shall be enforced at residential land uses. Noise levels generated by project construction are shown in Table IV-3 and Table IV-4

Table IV-2: Total Estimated Construction Noise Levels at the Nearest Receptor during Phase I

Phase of Construction	Estimated Construction Noise Level at Residences and Commercial Uses to the West 175 feet (dBA Leq)
Demolition	75
Site Preparation	76
Grading and Excavation	76
Trenching/Foundation	71
Building – Exterior	75
Building – Interior/Architectural Coating	63
Paving	73

Table IV-3: Total Estimated Construction Noise Levels at the Nearest Receptor during Phase II

Phase of Construction	Estimated Construction Noise Level at YMCA Facility to the North 185 feet (dBA Leq)
Demolition	75
Site Preparation	75
Grading and Excavation	75
Trenching/Foundation	72
Building – Exterior	75
Building – Interior/Architectural Coating	62
Paving	75

As shown in Table IV-1 and Table IV-2, construction noise levels would range from 63 to 76 dBA Leq at the nearest residential and commercial uses to the west (nearest noise-sensitive receptors) during Phase I and from 62 to 75 dBA Leq at the YMCA facility to the north (nearest noise-sensitive receptors) during Phase II. Although project-generated construction noise would not exceed the FTA threshold of 80 dBA Leq at the nearest residential uses, the project would include construction located within 500 feet of existing residential uses and within 200 feet of existing commercial use for more than one year. Therefore, the following Standard Condition of Approval would be part of the project conditions.

Standard Condition of Approval:

- Limit construction to the hours of 7:00 a.m. to 6:00 p.m. Monday through Friday and

Saturdays and holidays between 9:00 AM and 5:00 PM for any on-site or off-site work within 500 feet of any residential unit. Construction outside of these hours may be approved through a development permit based on a site-specific "construction noise mitigation plan" and a finding by the Director of Community Development or their designee that the construction noise mitigation plan is adequate to prevent noise disturbance of affected residential uses.

- Utilize "quiet" air compressors and other stationary noise sources where technology exists.
- Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment.
- Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from sensitive receptors.
- Prohibit unnecessary idling of internal combustion engines.
- Designate a "disturbance coordinator" who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem.
- Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

The above Standard Conditions of Approval would ensure the project complies with City requirements.

Vibration

Construction of the project may generate perceptible vibration when heavy equipment or impact tools (e.g., jackhammers, hoe rams) are used in the vicinity of nearby sensitive receptors. Construction activities would include demolition, site preparation, grading, excavation, trenching, and foundation work, construction of building exteriors and interiors, and paving. Impact pile driving (which generates substantial vibration) is not proposed as a method of construction. The California Department of Transportation (Caltrans) recommends a vibration limit of 0.5 in/sec PPV for new residential and modern commercial/industrial structures, which typically consists of buildings constructed since 1990s. A vibration limit of 0.3 in/sec PPV is used for older residential structures, which would apply to most structures built since the 1940s. For historical buildings or some older buildings (e.g. pre-1940), a vibration limit of 0.25 in/sec PPV would apply. These vibration limits are conservative and designed to provide a high level of protection for existing buildings.

The nearest buildings to the project site are the YMCA building to the north and residences to the west, in both instances separated from the project site by either a right-of-way, Euclid Place/Bell Street Park, a roadway, Euclid Avenue, or the YMCA building. They would be subject to the 0.5 in/sec PPV threshold, and the residences to the west and all other buildings surrounding the site would be subject to the 0.3 in/sec PPV threshold. Based on the distance between the project site

and the nearest buildings (50 to 325 feet) vibration levels would be below 0.1 in/sec PPV. Therefore, impacts would be less than significant.

Operational Noise

According to Policy 7.2 of the General Plan, Safety and Noise Element, a significant impact would occur if the future noise environment at noise-sensitive receptors would increase by three dBA CNEL or more over existing noise levels and would exceed the normally acceptable level of 65 dBA for residences and parks or if the future noise environment would increase by five dBA CNEL or more over existing noise levels would remain normally acceptable. Noise levels at sensitive receptors in the project vicinity exceed 65 dBA in the project vicinity. Therefore, the threshold for a significant impact at the site would be if operational noise or traffic resulting from the proposed project would permanently increase ambient levels by three dBA CNEL.

Athletic Court Noise

The proposed project would include a new athletic court in the northeast corner of the site within Bell Street Park. For the purpose of this analysis, it is assumed that the court would be used for basketball. Noise associated with basketball court uses would be similar to or less than the existing noise levels from other park facilities on-site and would not result in a significant change in noise levels compared to existing conditions.

Project Generated Traffic

The existing ambient noise levels in the vicinity of the project are 64 to 72 dBA CNEL. A project that generates substantial daily trips (equivalent to a doubling of existing traffic volumes on local roadways) could increase ambient noise levels in the project vicinity by three dBA CNEL.

Based on a comparison of existing and existing plus project traffic volumes provided in the Transportation Analysis prepared for the project, the project, which would generate 544 daily trips, would not result in a doubling of traffic volumes on area roadways.[6] The project's contribution to traffic noise on area roadways would be 1 dBA CNEL or less along all roadways in the project vicinity and impacts would be less than significant.

Mechanical Equipment

The project would include three transformers located on the ground floor in the southeast corner of the mixed-use building. In addition, the project would include HVAC units on interior walls of each residential unit. Consistent with the current 2023 Title 24 Building Code, the project would include an air filtration/ventilation system rated MERV 13 or higher.

[6] The Project would generate 585 net new vehicle trips including a 40% trip reduction from compliance with the City's TDM Ordinance and subtracting 810 daily vehicle trips associated with the existing School District uses of the site. Euclid Avenue experiences approximately 2,143 vehicle trips during the AM and PM peak hours under existing conditions. Donohoe Avenue experiences approximately 2,913 trips during the AM and PM peak hours under existing conditions. Source: Hexagon Transportation Consultants, Inc. *2120-2160 Euclid Avenue Transportation Analysis.* December 6, 2024.

Transformers typically generate noise levels up to 64 dB at a distance of three feet. Assuming one to three transformers run continuously during daytime and nighttime hours, the community noise equivalent level would be 46 dBA CNEL, at the residences and commercial uses to the west of the project site. The residences to the west of the project site and the YMCA facility/Bell Street Park to the north would be shielded from all transformers except the unit in the northwest corner of the proposed residential building.

Due to the distance between the transformers and the surrounding land uses, noise levels would not exceed ambient conditions or the City's 55 dBA daytime thresholds or 50 dBA nighttime threshold at receiving residential property lines.

Fire pumps and water pumps would be located in rooms in the garages of both buildings and would produce noise. However, the building would provide adequate shielding such that the ambient noise levels at the surrounding noise-sensitive receptors and the City's noise limits would not be exceeded.

HVAC units are a typical part of multi-family residential buildings and generate noise levels ranging from 53 to 63 dBA at a distance of three feet. The proposed site plan shows HVAC units on the interior walls of each residential unit. Due to their location, mechanical equipment noise from the proposed HVAC units would range from 29 to 43 dBA and would not result in a perceptible increase compared to existing conditions.

Additionally, one diesel powered emergency generator would be located in a generator room in the garage of each building (northwest corner of the residential building and northeast corner of the mixed-use building). The specific model and capacity have not been determined at this time. Diesel generators with capacities of 900 kW are assumed for residential buildings of this size. Such generators would produce noise levels of about 88 dBA at 23 feet.

The continuous operation of generators under emergency situations would be exempt from the City's noise limits. However, emergency generators are typically tested for 30 minutes to an hour each month. During these testing periods, operation of the generators would be subject to the City's noise limits. Assuming both generators would be tested in the same 24-hour period between the hours of 7:00 AM and 7:00 PM, the community noise equivalent hour would be 77 dBA CNEL at 23 feet. The generators in the residential and mixed-use buildings would result in an hourly average noise level of 58 and 47 dBA Leq and the nearest receptors, respectively.[7] The noise level increases at all receptors resulting from generator testing would not be measurable or detectable (i.e., 0 dBA CNEL increase). However, the generator in the residential building would potentially exceed the City's 55 dBA daytime threshold by 3 dBA at the residential and commercial uses to the west. Therefore, the following Standard Condition of Approval would be part of the project conditions.

[7] Attenuation of 20 dBA was conservatively assumed due to the building façade or the generator rooms.

Standard Condition of Approval:

Prior to issuance of building permits, emergency generators shall be selected and designed to meet the City's exterior and interior noise level requirements. A qualified acoustical consultant shall be retained by the project applicant to review mechanical noise as the equipment systems are selected and determine specific noise reduction measures necessary to reduce noise to comply with the City's 55 dBA L_{50} daytime exterior limit and 50 dBA L_{50} nighttime exterior limit at the nearest residential property lines. Noise reduction measures could include, but are not limited to, selection of equipment that emits low noise levels and/or installation of noise barriers, such as enclosures and parapet walls to block the line-of-sight between the noise receptors. Alternate measures may include locating equipment in less noise-sensitive areas.

Truck Loading and Unloading

Two temporary loading zones are proposed adjacent to each of the buildings. These loading zones would be used for residential move-in activities and potentially for retail delivery. Truck delivery noise would include maneuvering activities occurring at the loading zones, back up alarms and releases of compressed air associated with truck/trailer breaks. Moving companies and small commercial retail uses typically use medium-sized trucks that generate maximum noise levels typically ranging from 60 to 65 dBA at 50 feet.

The estimated noise levels generated by truck loading/unloading activities associated with the proposed project would be 55 dBA at the nearest residences and commercial uses to the west of the project site. These noise levels would not exceed the ambient noise level or the City's 55 dBA daytime threshold at receiving residential uses. Therefore, impacts would less than significant.

Combined Project-Generated Noise

The operational noise levels produced by the project combined would result in an increase of 1 dBA CNEL or less at all existing noise-sensitive receptors in the project vicinity. Therefore, the project would not result in a substantial increase in noise levels compared to existing conditions.

Operational noise levels from mechanical equipment and truck loading and unloading could exceed the City's 55 dBA daytime threshold or the City's 50 dBA CNEL nighttime threshold at the surrounding residential receptors. Implementation of the Standard Condition of Approval for mechanical equipment noise would ensure noise from testing of the emergency generators would not exceed City thresholds. For these reasons, the project would result in a less than significant impact.

Aircraft Noise

The nearest airport to the project site is the Palo Alto Airport, located approximately 1.3 miles east of the project site. The project site is not located within any of the noise contours for Palo Alto Airport. Therefore, the project would not expose sensitive receptors to excessive noise from airport operations.

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Air Quality

The following discussion is based on an Air Quality Assessment prepared by Illingworth & Rodkin, Inc. in July 2026. The report is included as Appendix D to this memorandum.

2017 Air District Clean Air Plan

The Bay Area Air District (Air District) CEQA Air Quality Guidelines set forth criteria for determining consistency with the Clean Air Plan. In general, a project is considered consistent if, a) the plan supports the primary goals of the Clean Air Plan; b) includes relevant control measures; and c) does not interfere with implementation of Clean Air Plan control measures. The project supports the goals of the 2017 Clean Air Plan of protecting public health and protecting the climate and is consistent with Clean Air Plan transportation, building, natural and working lands, and water control measures by:

- Resulting in criteria air pollutant emissions below established thresholds during construction,
- Utilizing construction equipment that reduces PM_{10} and $PM_{2.5}$ emissions,[8]
- Complying with applicable regulations that would result in energy and water efficiency including Title 24 and California Green Building Standards Code,
- Complying with the City's Construction and Demolition Diversion program and state waste diversion requirements to reduce the amount of waste in landfills, and
- Including all electric building construction.

The project as proposed would not disrupt or hinder the implementation of applicable control measures such as the following.

- Decarbonize Buildings
- Urban Tree Planting

Construction

The Air District guidance requires a construction pollutant analysis to be completed for all construction projects that require demolition and excavation and/or are above the construction screening size criteria. The project would require demolition of 13 existing buildings totaling approximately 49,088 square feet currently occupied by the Ravenswood School District offices. Therefore, a quantified construction criteria pollutant analysis was completed for the project. Table IV-5 shows the average daily construction emissions of Reactive Organic Gases (ROG), nitrogen oxide (NOx), coarse particulate matter (PM_{10}) exhaust, and fine particulate matter ($PM_{2.5}$) exhaust

[8] Examples of construction equipment that reduces PM_{10} and $PM_{2.5}$ emissions include equipment that include engine filters, exhaust controls, and dust-stopping machines.

during construction of the project. Refer to Appendix D for details about modeling, data, inputs, and assumptions.

Table IV-4: Construction Criteria Pollutant Emissions

Year	ROG	NOx	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
Annual Construction Emissions (tons)				
2027 (Phase I)	0.12	1.19	0.05	0.04
2028 (Phase I + Phase II)	1.18	1.76	0.06	0.05
2029 + 2030 (Phase II)	1.87	1.66	0.05	0.05
Average Daily Construction Emissions (pounds per day)				
2027 (183 work days)	1.34	13.01	0.49	0.45
2028 (315 work days)	11.48	11.21	0.37	0.34
2029 + 2030 (358 work days)	10.44	3.28	0.28	0.26
Air District Thresholds (pounds per day)	*54*	*54*	*82*	*54*
Exceeds Threshold?	**No**	**No**	**No**	**No**
Source: Illingworth & Rodkin, Inc. 2120-2160 Euclid Avenue Air Quality Assessment, East Palo Alto, California. July 16, 2026.				

As shown in Table IV-5, project construction emissions would not exceed the Air District significance thresholds for criteria pollutants during any year of construction.

Construction activities, particularly during site preparation and grading, would temporarily generate fugitive dust in the form of PM_{10} and $PM_{2.5}$. Fugitive dust is generated when soil is disturbed at the construction site and when trucks carrying loads of soil are not covered. Unless properly controlled, vehicles leaving the site would deposit mud on local streets, which could be an additional source of airborne dust after it dries. The Air District CEQA Air Quality Guidelines consider these impacts to be less than significant if best management practices (BMPs) are implemented to reduce these emissions. Pursuant to General Plan EIR mitigation measure MM AQ-1, the proposed project would implement the following Air District construction BMPs, as a standard condition of approval:

Standard Condition of Approval/Implementation of General Plan EIR Mitigation Measure MM AQ-1:

The following measures shall be implemented during all phases of construction to control dust and exhaust at the project site:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered.

- All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.
- All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
- Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.
- Publicly visible signs shall be posted with the telephone number and name of the person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

The project, with implementation of the standard conditions of approval listed above, would result in less than significant impacts with regard to fugitive dust emissions.

Operation

Operational period emissions associated with the project would be generated primarily from vehicles driven by future employees, residents, customers, and vendors to and from the project site and from consumer products. Table IV-6 shows the average daily operational emissions of ROG, NOx, PM_{10} exhaust, and $PM_{2.5}$ exhaust during construction of the project. Refer to Appendix D for details about modeling, data, inputs, and assumptions.

Table IV-5: Operational Criteria Pollutant Emissions

Year	ROG	NOx	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
Annual Emissions (tons per year)				
2030 Operational Emissions	3.11	0.82	1.24	0.33
Air District thresholds	*10*	*10*	*15*	*10*
Exceed Threshold?	**No**	**No**	**No**	**No**
Daily Emissions (pounds per day)				
2030 Daily Operational Emissions	17.06	4.47	6.79	1.81
Air District Threshold	*54*	*54*	*82*	*54*

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Exceed Threshold?	**No**	**No**	**No**	**No**

Note: Assumes 365 day operation

Source: Illingworth & Rodkin, Inc. 2120-2160 Euclid Avenue Air Quality Assessment, East Palo Alto, California. July 16, 2026.

As shown in Table IV-6, project operational emissions would not exceed the Air District significance thresholds for criteria pollutants during operations.

Combined Construction and Operational Emissions

As discussed in Section I. Project Description, Phase I would be constructed and operational while construction of Phase II is being completed. Consistent with Air District guidance, the combined emissions from overlapping construction and operation of the project were estimated and are shown in Table IV-7.

Table IV-6: Combined Construction and Operational Criteria Pollutant Emissions

Scenario	ROG	NO_x	PM_{10}	$PM_{2.5}$
Annual Emissions (tons/year)				
Maximum Phase II Construction Emissions	1.87	1.66	0.05	0.05
Phase I Operational Emissions	1.56	0.43	0.66	0.18
Phase II Construction + Phase I Operation	3.42	2.09	0.71	0.22
Air District Threshold (tons/year)	*10*	*10*	*15*	*10*
Exceeds Threshold?	**No**	**No**	**No**	**No**
Daily Emissions (pounds per day)				
Maximum Phase II Construction Emissions[1]	17.89	15.91	0.48	0.44
Phase I Operational Emissions[2]	8.52	2.36	3.64	0.97
Phase II Construction + Phase I Operation	26.41	18.27	4.12	1.41
Air District Threshold (pounds per day)	*54*	*54*	*82*	*54*
Exceeds Threshold?	**No**	**No**	**No**	**No**

Notes:

1 Assumes 320 days of construction

2 Assumes 365 day operation

As shown in Table IV-7, overlapping project construction and operational emissions would not exceed Air District thresholds for any criteria pollutants. Therefore, impacts would be less than significant.

Toxic Air Contaminants

The project would introduce new sources of toxic air contaminants (TACs) during construction (i.e., diesel fueled construction equipment and truck hauling emissions), and operational sources of TAC, from testing of the proposed diesel-powered emergency generators. A community health risk analysis was completed to evaluate the impacts of the project's construction activities and emergency generator testing on nearby sensitive receptors. The closest sensitive receptors to the project site are the single-family residences to the west across Euclid Avenue. Additional receptors in the project area include the Shining Explorers Day Care, Apollo DayCare and Pre-K, and the Joan Platt East Palo Alto Family YMCA. The project would also introduce new sensitive receptors to the area.

Community risk impacts were evaluated by estimating the increased cancer risk, the annual $PM_{2.5}$ concentration, and the Hazard Index (HI) for non-cancer health risks based on construction emissions of diesel particulate matter and $PM_{2.5}$. A summary of the results of the community health risk assessment is shown in Table IV-7 below. The risk impacts were analyzed for the maximally exposed individual (MEI), a single-family home west of the project site (refer to Figure 12 for location of the MEI). The MEI represents the maximum increased probability of risks over a lifetime (e.g., 30 years as recommended by the Air District). The health risks computed do not represent an actual incidence of cancer or statistical probability of actual harm. Refer to Appendix D for the health risk assessment dispersion modeling details.

Table IV-7: Construction Health Risk and Hazard Impacts at the Off-Site MEI and Most Impacted DayCare Receptor

Source	Increased Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index (unitless)
Project Construction MEI			
Project Construction	14.51	0.15	0.01
Project Generators	0.49	<0.01	<0.01
Air District Single-Source Threshold	*10.0*	*0.3*	*1.0*
Exceed Threshold?	**Yes**	**No**	**No**
Most Impacted DayCare Receptor			
Project Construction	9.63	0.04	<0.01
Air District Single-Source Threshold	*10*	*0.3*	*1.0*
Exceed Threshold	**Yes**	**No**	**No**

Source: Illingworth & Rodkin, Inc. 2120-2160 Euclid Avenue Air Quality Assessment, East Palo Alto, California. July 16, 2026.

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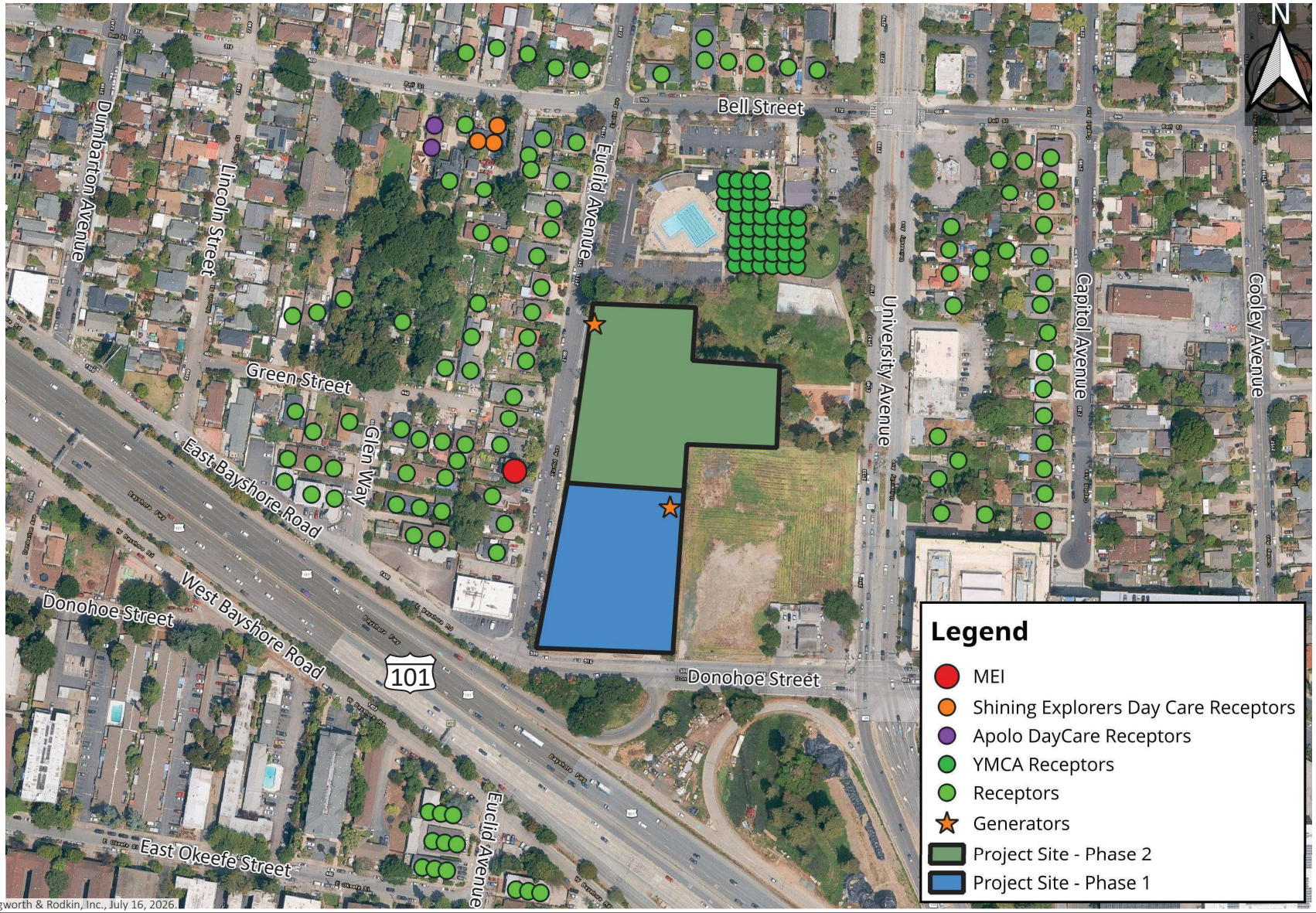

Source: Illingworth & Rodkin, Inc., July 16, 2026.

LOCATION OF CONSTRUCTION MEI, OFF-SITE SENSITIVE RECEPTORS AND STATIONARY SOURCES | FIGURE 12

As shown in Table IV-8, project construction-related TAC emissions (e.g., DPM and $PM_{2.5)}$ would result in increased cancer risk that exceeds Air District thresholds for single-sources. This is a common occurrence for new construction adjacent to residences, and does not represent an unusual circumstance. The condition of approval presented below would reduce the risks to acceptable levels is commonly utilized for infill development (i.e., virtually all infill developments near existing housing have a similar requirement), consistent with General Plan Mitigation Measure MM AQ-2.

Conditions of Approval/ Implementation of General Plan EIR MM AQ-2:

- All construction equipment larger than 25 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 Final emission standards for PM (PM_{10} and $PM_{2.5}$). If Tier 4 Final equipment is not available for a particular piece of equipment, then use equipment that meets U.S. EPA emission standards for Tier 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 40 percent reduction in particulate matter exhaust in comparison to uncontrolled equipment.

- The Air District strongly encourages enhanced BMPs for construction sites near schools, residential areas, or other sensitive land uses. This project requires the use of BMPs during Phase 2 construction only due to the impacts upon Phase 1 receptors as discussed below. In addition to the basic BMPs outlined above, the following enhanced measures must also be included during Phase 2 construction only.

    - Limit the simultaneous occurrence of excavation, grading, and ground-disturbing construction activities.
    - Install wind breaks (e.g., trees, fences) on the windward side(s) of actively disturbed areas of construction. Wind breaks should have at maximum 50 percent air porosity.
    - Plant vegetative ground cover (e.g., fast-germinating native grass seed) in disturbed areas as soon as possible and watered appropriately until vegetation is established.
    - Install sandbags or other erosion control measures to prevent silt runoff to public roadways from sites with a slope greater than one percent.
    - Minimize the amount of excavated material or waste materials stored at the site.
    - Hydroseed or apply non-toxic soil stabilizers to construction areas, including previously graded areas, that are inactive for at least 10 calendar days.

Implementation of the above Conditions of Approval would reduce diesel particulate matter emissions by 85 percent, which would reduce the increased cancer risk associated with project construction from 13.06 per million to 2.25 per million. With implementation of the above

condition of approval, construction health risks and hazards at the location of the MEI (and at locations of sensitive receptors further away) would be below the Air District's single-source threshold. Therefore, with implementation of the condition of approval, project construction would not expose sensitive receptors to substantial pollutant concentrations.

Non-CEQA Air Quality

Per *California Building Industry Association v. Bay Area Air Quality Management District, 62 Cal 4th 369 (BIA v. BAAQMD),* effects of the environment on the project are not considered CEQA impacts. The following discussion is included for informational purposes only because the City of East Palo Alto has policies that address existing air quality conditions affecting a proposed project.

Pursuant to General Plan Policy 10.1 and 10.2, a health risk assessment was prepared to ensure sensitive receptors introduced onto the project site are not exposed to substantial TAC emissions.

Increased community risk can occur by introducing a new sensitive receptor, including residential uses, in proximity to an existing source of TACs. The Air District recommends a 1,000-foot radius for assessing community risks and hazards from TAC mobile and stationary sources. Community risk impacts from the TAC sources upon the project site are summarized in Table IV-9 below.

Table IV-8: Cumulative Health Risks at the Project Site

Source	Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Impacts on Phase I Receptors			
Phase II Construction upon Phase I	3.92	0.11	0.01
US 101, ADT 218,400	2.95	0.12	<0.01
University Avenue, ADT 39,732	0.33	0.02	<0.01
Donohoe Street, ADT 24,171	0.75	0.04	<0.01
CHEVRON SS #9-1081 (Facility ID# 11033-1, Gas Dispensing Facility), MEI at 930 feet	7.59	0.00	0.74
Four Seasons Silicon Valley (Facility ID#16212, Accommodation and Food Services), MEI at 1000+ feet	2.62	0.31	0.07
University Plaza EPA LLC c/o Sobrato Organization (Facility ID# 23412, Generator), MEI at 820 feet	0.25	0.00	0.00
East Palo Alto Shell (Facility ID#109055-1, Gas Dispensing Facility), MEI at 930 feet	0.33	0.00	0.13
IKEA California LLC (facility ID #15292, Generator) MEI at 1000+ feet	0.20	<0.01	0.00
Phase I Cumulative Total	18.94	<0.61	0.98

Source	Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Air District Single-Source Threshold	*10.0*	*0.3*	*1.0*
Air District Cumulative Source Threshold	*100*	*0.8*	*10.0*
Exceeds Threshold?	**No**	**Yes**	**No**
Impacts on Phase II Receptors			
U.S. 101, ADT 218,400	2.95	0.12	<0.01
University Avenue, ADT 39,732	0.33	0.02	<0.01
Donohoe Street, ADT 24,171	0.75	0.04	<0.01
CHEVRON SS #9-1081 (Facility ID #110033-1, Gas Dispensing Facility), Project Site at 230 feet, AERMOD Modeled	7.59	0.00	0.74
Four Seasons Silicon Valley (Facility ID#16212, Accommodation and Food Services), MEI at 1000+ feet	2.62	0.31	0.07
University Plaza EPA LLC c/o Sobrato Organization (Facility ID# 23412, Generator), MEI at 820 feet	0.25	0.00	0.00
East Palo Alto Shell (Facility ID#109055-1, Gas Dispensing Facility), MEI at 930 feet	0.33	0.00	0.13
IKEA California LLC (facility ID #15292, Generator) MEI at 1000+ feet	0.20	<0.01	0.00
Phase II Cumulative Total	15.02	0.5	<0.85
Air District Single-Source Threshold	*10.0*	*0.3*	*1.0*
Air District Cumulative Source Threshold	*100*	*0.8*	*10.0*
Exceeds Threshold?	**No**	**No**	**No**
Source: Illingworth & Rodkin, Inc. 2120-2160 Euclid Avenue Air Quality Assessment, East Palo Alto, California. July 16, 2026.			

As shown in Table IV-9, existing $PM_{2.5}$ concentrations from US 101, Donohoe Street, and Phase II construction on Phase I would exceed the single-source threshold and contribute to cumulative concentrations above the cumulative thresholds for these emissions at Phase I. All other risk values are below the Air District single-source and cumulative source thresholds at receptors located within Phase I and Phase II.

The project would be required to implement the following measures to minimize long-term annual $PM_{2.5}$ exposure for new project occupants:

Standard Conditions of Approval:

- Install air filtration for the Phase 1 building. Air filtration devices shall be rated MERV13 or higher. To ensure adequate health protection to sensitive receptors (i.e., residents), this ventilation system, whether mechanical or passive, shall filter all fresh air that would be circulated into the dwelling units.
- The ventilation system shall be designed to keep the building at positive pressure when doors and windows are closed to reduce the intrusion of unfiltered outside air into the building.
- As part of implementing this measure, an ongoing maintenance plan for the buildings' heating, ventilation, and air conditioning (HVAC) air filtration system shall be required that includes regular filter replacement.
- Ensure that the use agreement and other property documents:
    - require cleaning, maintenance, and monitoring of the affected buildings for air flow leaks,
    - include assurance that new owners or tenants are provided information on the ventilation system, and
    - include provisions that fees associated with owning or leasing a unit(s) in the building include funds for cleaning, maintenance, monitoring, and replacements of the filters, as needed.

The implementation of the above Standard Conditions of Approval would reduce $PM_{2.5}$ exposure of future residents by 80 percent, below applicable health risk thresholds.

Water Quality

Construction

Construction activities (e.g., grading and excavation) on the project site may result in temporary impacts to surface water quality. When disturbance of underlying soils occurs, the surface runoff that flows across the site may contain sediments that are discharged into the storm drainage system. Construction of the proposed project would disturb the entire approximately four-acre project site. Since construction of the project would disturb more than one acre of soil, the project would be required to comply with the National Pollutant Elimination System (NPDES) General Permit for Construction Activities. Because the project would include replacement of more than 10,000 square feet of impervious surfaces, the project would also be subject to the requirements of the Regional Water Quality Control Board Municipal Regional Permit. Per the requirements of the NPDES permit for construction, the project would implement the following standard measures to reduce the impacts to water quality from construction activities:

Standard Conditions of Approval:

- Consistent with the NPDES Construction General Permit, the following standard measures will be implemented to prevent stormwater pollution and minimize erosion and sedimentation during construction:
    - The proposed project will file a Notice of Intent (NOI) with the SWRCB and prepare a SWPPP prior to commencing construction. The project's SWPPP shall include measures for:
        - Soil stabilization,
        - Sediment control,
        - Sediment tracking control,
        - Wind erosion control, and
        - Non-stormwater management and waste management and disposal control.
- BMPs shall be implemented for reducing the volume of runoff and pollution in runoff to the maximum extent practicable during excavation, grading, and construction. All measures shall be included in the project's SWPPP and printed on construction documents, contracts, and project plans. The following erosion and sediment control measures, based upon Best Management recommendations by the RWQCB, shall be implemented by the project to reduce potential construction-related water quality impacts:
    - Stormwater inlet protection consisting of burlap bags filled with drain rock shall be installed around storm drain inlets to keep sediment and other debris out of the storm drainage system.
    - All exposed or disturbed soil surfaces shall be watered at least twice daily to control dust, as necessary.
    - Earthmoving or other dust-producing activities shall be suspended during periods of high winds.
    - Stockpiles of soil or other materials subject to wind erosion shall be watered or covered.
    - All trucks hauling soil, sand, and other loose materials shall be watered or covered, and all trucks will be required to maintain at least two feet of freeboard.
    - All paved access roads, parking areas and staging areas adjacent to the construction site shall be swept daily with water sweepers.
    - Vegetation in disturbed areas shall be replanted as quickly as possible.

According to the Phase I Environmental Site Assessment prepared for the project, groundwater is present on-site between 10.16 feet and 13.37 feet bgs. As discussed in Section III, the proposed project would involve excavation to a maximum depth of 10 feet bgs for utilities. Therefore, construction dewatering may be required. As noted above, the project would be required to implement standard measures as part of the Construction General Permit to protect groundwater quality. With implementation of these measures, construction of the project would not result in a significant water quality impact.

Post-Construction

The San Francisco Bay Regional Water Quality Control Board re-issued the Municipal Regional Stormwater NPDES Permit (MRP) in May 2022 to regulate stormwater discharges from municipalities and local agencies (co-permittees) in Alameda, Contra Costa, San Mateo, and Santa Clara Counties, and the cities of Fairfield, Suisun City, and Vallejo.[9] Under Provision C.3 of the MRP, new and redevelopment projects that create or replace 5,000 square feet or more of impervious surface area are required to implement site design, source control, and Low Impact Development (LID) based stormwater treatment controls to treat post-construction stormwater runoff. LID-based treatment opportunities for infiltration and evapotranspiration, and using stormwater as a resource (e.g., rainwater harvesting for non-potable uses). The MRP also requires that stormwater treatment measures be properly installed, operated, and maintained.

The project would replace all impervious surfaces on-site and increase the total site impervious surface area from 156,860 square feet to up to 185,206 square feet (an increase of up to 28,346 square feet or up to approximately 18 percent). Since construction of the project would result in the replacement or construction of more than 5,000 square feet of impervious surface area, the project would be required to comply with Provision C.3 of the MRP and include site design, source control, and LID stormwater treatment controls to treat post-construction runoff. Consistent with Provision C.3, the project would include bioretention basins, self-retaining areas, and flow through planters. With inclusion of these LID features, the project would not result in operational water quality impacts post-construction.

(e) The site can be adequately serviced by all required utilities and public services.

Utilities and Service Systems

Water

Water service to the project site is provided by Veolia. Veolia obtains its supply from San Francisco Public Utilities Commission.[10] Veolia adopted an Urban Water Management Plan (UWMP) in June 2021 to assess water supply and demand requirements within the service area. The UWMP accounted for existing and planned growth analyzed in the General Plan EIR (including the proposed project) and found sufficient water supplies would be available during normal years. However, the UWMP shows a shortfall during single- and multiple-dry years beginning in 2025. During dry years, the City would implement the staged Water Shortage Contingency Plan described in the UWMP, which includes a mix of voluntary and mandatory rationing actions that can mitigate shortfalls of five to above 50 percent. The implementation of these Water Shortage Contingency Plan measures

[9] California Regional Water Quality Control Board San Francisco Region. Municipal Regional Stormwater NPDES Permit, Order No. R2-2022-0018, NPDES Permit No. CAS612008. May 11, 2022

[10] City of East Palo Alto. "Utilities." Accessed September 20, 2024. https://www.ci.east-palo-alto.ca.us/publicworks/page/utilities#:~:text=Most%20of%20our%20community's%20water,650%2D322%2D2083)

sufficient water supplies would be available to serve the project during normal, single-dry, and multiple-dry years.

The project applicant is requesting a density bonus under the State Density Bonus Law for the residential density to exceed the allowed 86 units per acre to develop up to 105 units per acre. This would result in 86 additional residential units compared to what was assumed for the site under the General Plan. However, the additional 86 units were assumed for the site under the City's 2023-2031 Housing Element. Thus, the project would not increase the City's population above the General Plan growth assumptions for the site.[11]

The proposed project would result in a net increase in water demand of 6,013,371 gallons per year compared to existing conditions.[12] Given the City's surplus water supply during normal years of 578 million gallons per year, there is sufficient supply to serve the proposed project during normal years.[13] Thus, project water demand would reduce the surplus water supply during normal years by less than one percent per year. With implementation of the City's staged Water Shortage Contingency Plan, there would be sufficient water supplies to serve the project during normal, single-dry, and multiple-dry years.

Sanitary Sewer and Wastewater Treatment

The project would replace the existing 12-inch sanitary sewer line in Donohoe Street and Cooley Avenue from the project site to Green Street with a new 15-inch sanitary sewer line. Currently, the City has approximately 1.36 million gallons per day of excess treatment capacity at the Palo Alto Regional Water Quality Control Plant (PARWQCP).[14] Given the project's estimated net sewage generation of 16,827 gallons per day (0.01 million gallons per day) and the City's available treatment capacity at the PARWQCP of 1.36 million gallons per day, there is sufficient treatment capacity at the PARWQCP to serve the project.[15] The project would also comply with all applicable Public Works requirements to ensure sanitary sewer lines would have capacity to accommodate wastewater generated by the proposed project.

[11] The project proposes a residential density of 105 dwelling units per acre where 86 dwelling units per acre is allowed.

[12] Existing water demand for the 49,088 square feet of school district offices was calculated using rate of 198,660 gallons per 1,000 feet per year for government office land use. 198,660 x 49 = 9,734,340 gallons per year. Water demand for the proposed 430-unit, 2,074 square foot mixed use project was calculated using rate of 36,266 gallons per unit per year for residential uses and 74,073 gallons per 1,000 square feet per year for retail uses. 36,266 x 430 = 15,594,380 gallons per year + 74,073 x 2.07 = 153,331 gallons per year = 15,747,711. Source: California Air Pollution Control Officers Association. *CalEEMod User Guide, Appendix G: Default Data Tables.* April 2022.

[13] Normal Year Supply is 1,271,000,000 gallons and demand is 692,000,000 gallons. Therefore, there is a surplus water supply of 578,000,000 gallons. Source: City of East Palo Alto. *2020 Urban Water Management Plan*. June 2021. Table 7-3.

[14] East Palo Alto has a contractual capacity of 2.89 million gallons per day of capacity at the PARWQC. The City's existing treatment demand is 1.53 million gallons per day. Therefore, there is an excess of 1.36 million gallons per day of treatment capacity allocated to the City of East Palo Alto. Source: Schaaf & Wheeler. *Ravenswood Business District Specific Plan Update Utility Impact Study*. June 2024.

[15] Sewage generation is assumed to be 90 percent of water demand.

Storm Drainage

The project would connect to the existing 24-inch storm drain line in Euclid Avenue via two new 12-inch storm drain laterals at each of the buildings. The project would also extend a new 12-inch storm drain line around the perimeter of the residential building, behind the mixed-use building and beneath the emergency vehicle access road. As described in the Water Quality section, the project would replace all impervious surfaces on-site and increase the total site impervious surface area from 156,860 square feet to 185,206 square feet (an increase of 28,346 square feet or approximately 18 percent). Since construction of the project would result in the replacement or construction of more than 5,000 square feet of impervious surface area, it is required to comply with Provision C.3 of the MRP to reduce stormwater runoff, and the project proposes to install bioretention basins, self-retaining areas, and flow through planters on-site. Runoff from the roof, sidewalks, and other impervious areas would be directed to these LID features and other landscaped areas where it would be retained and treated prior to discharge into the municipal stormwater system. With inclusion of these LID features, there is no increase in runoff during the design storm compared to existing conditions. For these reasons, the project would not result in a significant impact on the storm drainage system.

Solid Waste

Solid waste in East Palo Alto is sent to Ox Mountain Landfill. The Ox Mountain Landfill has an agreement with San Mateo County to provide disposal service for development in East Palo Alto. The Ox Mountain Landfill has a remaining capacity of 22 million cubic yards, with an estimated closure year of 2034. When Ox Mountain Landfill closes, solid waste generated in East Palo Alto would be transferred to other local landfills with projected capacity, such as Newby Island, Guadalupe Mines, or Kirby Canyon, that could accommodate solid waste generated by the project post 2035. The project would comply with General Plan Policy ISF 4.4 Construction Waste and divert 80 percent of construction waste away from landfills during construction. During operations, the project is estimated to generate approximately 128 cubic yards of solid waste per year, an increase of approximately 70 cubic yards per year compared to existing conditions on-site.[16,17] Therefore, the project would not generate solid waste in excess of in excess of the capacity of local infrastructure.

[16] The solid waste generation is estimated using a rate of 0.93 tons per 1,000 square feet for a government office building, 0.27 tons per resident per for mid-rise apartments, and 1.05 tons per year per 1,000 square feet of retail strip mall uses. The solid waste generation for the existing commercial building was estimated as follows: 49,088 square feet of school district office. 49.1 x 0.93 tons per year = 45.66 tons per year. The solid waste generation for the proposed project was estimated as follows: 430 residential units and 2,074 square feet of retail. 430 residential units x 0.27 = 116.1 tons per year. 2.07 k sf retail x 1.05 = 2.2 tons per year. Source: California Air Pollution Control Officers Association (CAPCOA). California Emissions Estimator Model (CalEEMod) Default Data Tables, Table G-36: Solid Waste Disposal Rates by Analysis level and Land Use Subtype. May 2022.

[17] Compaction rate of 1,850 pounds per cubic yard was assumed. 2,000 pounds is equal to 1 ton. 118 tons x 2,000 =236,000 pounds. 236,000 pounds / 1,850 = 127.56 cubic yards. Source: Daniel North, General Manager, Republic Services. Personal Communication. November 21, 2019.

Electric Power, Natural Gas, and Telecommunications

The proposed project would connect to existing electric power and telecommunications infrastructure. The project would not connect to natural gas lines. As a condition of approval, the project will be required to obtain 'will serve' letters from all utility providers, including those providing electric power and telecommunications. Therefore, the project would not require new or expanded electric power, natural gas, and telecommunications facilities.

Public Services

Police and Fire Services

The project applicant is requesting a density bonus under the State Density Bonus Law for the residential density to exceed the allowed 86 units per acre to develop up to 105 units per acre. This would result in 86 additional residential units compared to what was assumed for the site under the General Plan. Thus, the project would incrementally increase the City's population above the General Plan growth assumptions for the site.[18] However, the additional 86 units was assumed for the site under the City's 2023-2031 Housing Element. The project is surrounded by existing development that is currently served by the East Palo Alto Police Department and Menlo Park Fire Protection District. Although the site would increase demand for fire and police protection services in comparison with existing conditions on the site, the proposed project is consistent with the planned build-out analyzed in the General Plan EIR and 2023-2031 Housing Element Addendum, which concluded that anticipated buildout would not have significant impact on police and fire department services such that construction of new facilities would be required.[19] The proposed project would also be constructed to meet the City's Municipal and Fire Codes which would ensure the project would be adequately served by the existing fire services. The use of police and fire services by the proposed residents would not be substantial enough to warrant modification of existing or construction of new police and fire service facilities, consistent with the conclusions of the General Plan EIR and 2023-2031 Housing Element Addendum. Therefore, the project would not result in a significant impact resulting from the provision of new or altered police or fire facilities.

Schools

The project would redevelop a site currently used by Ravenswood City School District for district offices with a mixed-use development. On December 8, 2022, the Ravenswood City School District Board of Directors approved an action to relocate the district offices from the project site to a parcel adjacent to the Cesar Chavez Ravenswood Middle School Site.[20] The proposed project would not result in the loss of existing school facilities, as the District has already decided to vacate the site, and the facilities were not used for classroom instruction.

[18] The project proposes a residential density of 105 dwelling units per acre where 86 dwelling units per acre is allowed.
[19] City of East Palo Alto. *2023-2031 Revised Housing Element (6th Cycle) CEQA Addendum.* February 2024.
[20] Ravenswood City School District. "Notice of Exemption for District Office and Accompany Classrooms." May 17, 2024.

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Based on the student generation rate of 0.147 students per housing unit[21] for elementary and middle school students, and the rate of 0.10 for high school students,[22] the project would generate 63 elementary and middle school students and 43 high school students. Students at the project site would attend Los Robles Ronald McNair Academy for Elementary School, Cesar Chavez Ravenswood Middle School, and East Palo Alto Academy for High School. [23] Existing capacity and enrollment data for these schools is shown in Table IV-10.

Table IV-9: Student Enrollment and Capacity

School	Existing Capacity	Existing Enrollment	Difference	Proposed Project Student Generation
Ronald McNair Academy[1]	375	282	93	63
Cesar Chavez Ravenswood Middle School[1]	800	511	289	
East Palo Alto Academy[2]	360	287[3]	73	43

[1] William Eger, Chief Business Officer, Ravenswood City School District. Personal Communication. March 27, 2025.

[2] Cecilia Marquez, Senior Administrative Secretary, Sequoia Union High School District. Personal Communication. April 18, 2023.

[3] California Department of Education. Data Quest, 2023-2024 Enrollment by Grade. Accessed March 27, 2025.

As shown in Table IV-10, there is sufficient capacity at all existing schools to accommodate increased student enrollment associated with the project. According to Government Code Section 65996 (3)(h), payment of school fees constitutes full mitigation of any school impacts under CEQA. In accordance with California Government Code Section 65996, the project would pay a school impact fee to the affected school district to offset the increased demand for school facilities caused by the proposed project. Therefore, impacts from the increase in school enrollment associated with the project would be offset by the required payment of development fees and the project would have a less than significant impact on school facilities or services.

Parks

As mentioned above, the project would construct two new buildings on-site containing 430 residential units and 2,074 square feet of retail uses and a new athletic court within Bell Street Park.

[21] Ravenswood City School District. *Developer Fee Justification Study*. June 2024.
[22] Sequoia Union High School District. *Level I Developer Fee Study for Sequoia Union High School District*. January 29, 2024.
[23] Ravenswood City School District. "School Locator." Accessed October 4, 2024. http://www.ravenswoodschools.org/Schools/School-Locator/

Based on the City's average household size of 3.7 people per housing unit,[24] the proposed 430 units would generate approximately 1,591 new residents, which would increase the number of residents within the City of East Palo Alto. New residents would increase demand for existing parks and recreational facilities and could result in the need for new park facilities. However, as mentioned under Police and Fire Services above, the project is consistent with the type and level of growth assumed for the site in the General Plan EIR and Housing Element Addendum, which concluded that full build-out would not significantly impact park facilities. In addition, the project would construct new recreational facilities, i.e. a new athletic court, within an existing City park and be required to pay the applicable City Parks and Trail Impact Fee. Payment of in lieu fees for parks and trails improvements would ensure impacts to these facilities associated with the proposed project would be less than significant.

Libraries

The proposed project would increase use of nearby library facilities. The nearest library to the project site is the East Palo Alto library, which is located approximately 0.58 miles east of the project site. A new library is planned at 2474 Pulgas Avenue, approximately 0.8 miles northeast of the project site. Once constructed, the new library would serve demand from buildout of the General Plan and 2023-2031 Housing Element. The use of library facilities by the proposed residents would not be substantial enough to warrant modification of existing or construction of new library facilities beyond what is currently planned. Therefore, the project would not require the construction of new library facilities.

Section 15300.2 – Exceptions

(f) Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located – a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, these classes are considered to apply all instances, except where the project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.

This exception only applies to Class 3, 4, 5, 6, and 11 exemptions. The proposed project is categorically exempt under Class 32; therefore, this exception is not applicable to the project under CEQA Guidelines Section 15300.2(a).

(g) Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant.

The existing school district offices were constructed between 1940 and the early 2000s. The proposed project would redevelop the entire site with two new five story buildings containing a

[24] California Department of Finance. E-5 Population and Housing Estimates for Cities, Counties, and the State, January 2021-2024, with 2020 Benchmark. May 2024.

total of 430 residential units and 2,074 square feet of ground floor retail. There are no other projects of the same type in the same place currently under construction or that are anticipated to be under construction at the same time as the proposed project.

Cumulative Construction Noise

The project's impacts could potentially combine with the impacts of nearby development projects to create cumulative impacts. According to the City of East Palo Alto's website, all planned or approved projects in the City would be located more than 1,000 feet from the project site. Therefore, construction of the proposed project would not share noise-sensitive receptors with any planned or approved project and the project would have a less than significant cumulative construction impact.[25]

Cumulative Traffic Noise

A significant cumulative traffic noise impact would occur if two criteria are met: 1) if the cumulative traffic noise level increase was three dBA CNEL or greater for future levels exceeding 65 dBA CNEL or was five dBA CNEL or greater for future levels at or below 65 dBA CNEL; and 2) if the project would make a cumulatively considerable contribution to the overall traffic noise increase. A cumulatively considerable contribution is defined as an increase of one dBA CNEL or more attributable solely to the proposed project.

Cumulative growth in traffic would result in a three dBA CNEL or more increase in traffic noise along Euclid Avenue, north of East Bayshore Road/Donohoe Street; along Bay Road, east of University Avenue; along Runnymede Street, east and west of University Avenue; and along Woodland Avenue, east of University Avenue. However, based on a comparison of cumulative no project and cumulative plus project traffic volumes presented in the Transportation Analysis prepared for the project, since the same roadway noise increase was calculated for both cumulative scenarios (i.e. the difference is less than one decibel between no project and plus project roadway noise levels on all of the road segments that would experience a three dBA or more increase), the project's contribution to traffic noise along these roadways would not be considered a cumulatively considerable contribution. Cumulative traffic noise level increases on all other roadway segments included in the Transportation Analysis would be less than three dBA CNEL. Therefore, the project would not substantially contribute to a significant cumulative increase in noise on area roadways.

Cumulative Health Risk Assessment

A cumulative community health risk assessment was prepared to evaluate potential health risk impacts to the project MEI from combined emissions associated with project construction and other sources of emissions such as stationary sources, railroads, and roadways that have a traffic volume that exceeds 10,000 average daily traffic. Within 1,000 feet of the project site, there are a number of contaminant sources including US 101, University Avenue, Donohoe Street, and five

[25] City of East Palo Alto. "Development Activity." Accessed October 23, 2024. https://www.ci.east-palo-alto.ca.us/planning/page/development-activity

stationary sources that contribute to cumulative emissions. The results of the cumulative health risk assessment are summarized in Table IV-1.

Table IV-10: Cumulative Health Risk and Hazard Impacts at the Off-Site MEI

Source	Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Project total	15.00	0.15	0.01
US 101, ADT 214,240	5.48	0.23	<0.01
University Avenue, ADT 38,976	0.54	0.03	<0.01
Donohoe Street, ADT 23,711	1.33	0.08	<0.01
Four Seasons Silicon Valley (Facility ID# 16212, Accommodation and Food Services), MEI at 1,000 + feet	1.45	0.17	0.04
University Plaza EPA LLC c/o Sobrato Organization (Facility IS#23412, Generator), MEI at 820 feet	0.06	0.00	0.00
East Palo Alto Shell (Facility ID#109055-1, Gas Dispensing Facility), MEI at 930 feet	0.09	0.00	0.03
CHEVRON SS #9-1081 (Facility ID#110033-1, Gas Dispensing Facility), MEI at 600 feet	1.60	0.00	0.15
IKEA California LLC (Facility ID#15292, Generator), MEI at 1000+ feet	1.16	<0.01	0.00
Cumulative Total	25.71	<0.67	<0.26
Air District Cumulative Source Threshold	*100*	*0.8*	*10.0*
Exceed Threshold?	**No**	**No**	**No**
Source: Illingworth & Rodkin, Inc. 2120-2160 Euclid Avenue Air Quality Assessment, East Palo Alto, California. July 16, 2026.			

As shown in Table IV-1, the combined emissions from project construction and nearby emissions sources would not result in emissions in excess of established Air District Cumulative Source Thresholds. Therefore, cumulative health risk impacts associated with the project would be less than significant.

(h) Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.

The project proposes to demolish the existing buildings, pavement, and landscaping on-site and construct two new five-story buildings containing a total of 430 residential units and 2,074 square feet of ground floor commercial space. The nature of the proposed project does not represent an unusual circumstance. Redevelopment of existing developed properties along roadways and near

existing residences is common throughout the City. There are no special-status species or sensitive habitats on the site that could be impacted by the project. The project is not located within a landslide zone; however, the project site is located within a State designated liquefaction hazard zone, which is a common situation for most properties along the bay margin.[26] It is unlikely that construction of the project would exacerbate existing geological hazards or present geological threats to the surrounding area (e.g., destabilize the soil on-site and lead to potential liquefaction). Development of the project site would not change or exacerbate the geologic conditions of the project area.

Overall, the construction and operation of the project would comply with applicable local, state, and federal regulations, as necessary, and City's standard conditions of approval would be imposed, consistent with those imposed on other development projects in the City. The proposed residential development would not include any unusual construction methods, or operational features or characteristics that would have a significant impact on the environment.

(i) Scenic Highways. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR.

There are no officially designated state scenic highways in the project area. The nearest officially designated state highway is Interstate 280, which is located approximately 4.7 miles west of the project site and is not visible from the project site.[27] The project, therefore, would not damage scenic resources within a highway officially designated as a state scenic highway, and no exception to the exemption applies under 15300.2(d).

(j) Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code.

The project site is not included on any lists compiled pursuant to Section 65962.5 of the Government Code; therefore, no exception to the exemption applies under 15300.2.(e)[28]

(k) Historical Resources. A categorical exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource.

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[26] California Department of Conservation. "Earthquake Zones of Required Investigation." Accessed July 26, 2023. https://maps.conservation.ca.gov/cgs/EQZApp/app/

[27] California Department of Transportation. "California State Scenic Highway System Map". Accessed September 20, 2024. https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa.

[28] California Environmental Protection Agency. "Cortese List Data Resources". Accessed September 20, 2024. https://calepa.ca.gov/sitecleanup/corteselist/.

The following historical and archaeological resource discussion is based on a Historic Resources Evaluation and an Archaeological Sensitivity Assessment prepared by Archaeological/Historical Consultants in December 2024 and revised in May 2026. The Historic Resources Evaluation is included as Appendix E to this memorandum. The Archaeological Sensitivity Assessment is confidential in nature, is on file at the City of East Palo Alto Community Development Department and is available upon request with appropriate credentials.

Historical Resources

A historical resource is defined as a building, structure, or site that has been listed or determined eligible for listing on the California Register of Historic Resources (CRHR) or is listed on a local register of historic resources.[29]

Historic Significance

The project site was first developed as Ravenswood School in 1918. In the 1940s, the original school building was redeveloped to accommodate the growing student population. The project site is currently developed with 13 buildings used for administrative, special education, and storage uses. The buildings were constructed between 1940 and the early 2000s. None of the existing buildings are listed on the City's Historic Resources Inventory.[30] Eight of the buildings (Registration Building, Administrative Building, Building 8, Maintenance Shop, WIC Center, Building 5, and Buildings 3, 6, and 7) are over 50 years old, which is the age at which structures are typically considered for potential historic significance in that sufficient time has passed to understand and evaluate their contribution to the history of the area. Refer to Photos 1 through 9 for images of the existing buildings.

The existing buildings over 50 years old were evaluated for historic significance based on the CRHR criteria. The City of East Palo Alto has not adopted criteria for evaluating structures for listing on the Historic Resources Inventory; therefore, the buildings were not evaluated for significance under local criteria. The Historic Resource Evaluation concluded that although the Registration and Administrative Buildings are associated with early development of education in East Palo Alto, the buildings were not used as a school or were not used as a school for many decades. The other buildings have no association with events or broad patterns in local, state, or national history. None of the buildings on-site are associated with any specific administrators, educators, students, or community members who have achieved significance in the history of East Palo Alto or the nation. Additionally, none of the buildings embody distinctive characteristics of a type, period, region, or method of construction or represent the work of a master or possess high artistic value. For these reasons, the buildings were found to be not eligible for listing on the CRHR individually, as a complex, or as potential contributors to a historic district. Additionally, due to the distance between the project site and nearest historic resource (2266 Euclid Avenue, approximately 1,066 feet east),[31]

[29] Code of California Regulations 15064.5
[30] City of East Palo Alto. *Historic Resources Inventory Report.* February 1994.
[31] Ibid.

the project would not alter the setting of an off-site historic resource such that impacts would occur. Therefore, the project would not result in a significant adverse impact on historic resources.

Archaeological Resources

According to the Archaeological Resources Sensitivity Assessment prepared for the project, there are no recorded historic-era or Native American archaeological resources on the project site. There is one recorded Native American resource within 0.25 mile of the project site.

Due to the proximity of the project site to this identified resource (approximately 1,000 feet), Holocene soils and proximity of the site to San Francisquito Creek (approximately 1,600 feet south), the project site has moderate sensitivity for unrecorded Native American archaeological resources.

As noted above, the project site was first developed as Ravenswood School in 1918 before being redeveloped in the 1940s. However, because children tend to have few objects to lose, and schools did not consume and dispose of items as intensely as households, the sensitivity of the project site for historic-era archaeological resources is low.

Photo 1: Front (west) façade of the Registration Building

Photo 2: Front (west) façade of the Administrative Building

Source: Achaeological/Historical Consultants, December 2024.

PHOTOS 1 & 2

Photo 3: Front (west) and south sides of Building 8

Photo 4: North and West sides of Maintenance Shop

Source: Achaeological/Historical Consultants, December 2024.

PHOTOS 3 & 4

Photo 5: North and West sides of WIC Center

Photo 6: North and West sides of Building 6

Source: Achaeological/Historical Consultants, December 2024.

PHOTOS 5 & 6

Photo 7: Front (west) and south facades of Building 7

Photo 8: South and west facades of Building 5

Source: Achaeological/Historical Consultants, December 2024.

PHOTOS 7 & 8

Photo 9: Front (west) and north façades of Building 3

Source: Achaeological/Historical Consultants, December 2024.

PHOTO 9

Although there are no recorded resources (Native American or historic-era) on-site, there is the potential that unrecorded resources could be encountered during construction. Parks, Recreation Open Space and Conservation Policy 9.7 requires the suspension of development activity when archaeological resources are discovered during construction until a qualified archaeologist is retained to oversee the handling of the resource. Therefore, the following pursuant to GP Policy 9.7 the City and Standard Condition of Approval is included to avoid impacts to unrecorded resources.

Standard Condition of Approval:

The project shall implement the following measure as part of the project to minimize potential impacts to unknown archaeological resources:

- Prior to the start of any grading activities associated with the project, the City's contractor shall submit evidence to the Director of the Department of Community and Economic Development that a Cultural Awareness Training was held prior to ground disturbance. The training shall be facilitated by the project archaeologist in coordination with a representative of a tribe registered with the Native American Heritage Commissions for the City of East Palo Alto and is traditionally and culturally affiliated with the geographic area as described in Public Resources Code Section 21080.3. This training will be provided to all construction workers as a field training prior to the beginning of ground disturbing activities, and will include a discussion of applicable laws and penalties under the laws; samples or visual aids of resources that could be encountered in the project vicinity, instructions regarding the need to halt work in the vicinity of any potential archaeological and Native American resource encountered, and measures to notify their supervisor, the applicant, and the specialists.

In the event that archaeological resources or human remains are encountered at the project site during construction, the project would implement the following Standard Conditions of Approval consistent with Public Resources Code Section 5097.98 and General Plan Parks Open Space and Conservation Policy 9.7.

Standard Conditions of Approval:

- In the event that archaeological resources are exposed during construction, work within 50 feet of the find shall cease, the Director of the Department of Community and Economic Development shall be notified, and a qualified archaeologist shall examine the find to determine if it meets the definition of a historical, unique archaeological, or tribal cultural resource as defined in CEQA Guidelines. If the find does not meet the definition of a historical, unique archaeological, or tribal cultural resource, no further study or protection is necessary for work to continue. If the find does meet the definition of a historical, unique archaeological, or tribal cultural resource, then it will be avoided by project activities.

- If human remains are encountered during project construction activities, all work in the vicinity shall be halted and the San Mateo County Coroner contacted. In the event that the County Coroner determines the human remains are Native American, notification of the Native American Heritage Commission (NAHC) is required, who shall appoint a Most Likely Descendant (MLD) (PRC Section 5097.98). The qualified archaeologist, project sponsor, and MLD shall make all reasonable efforts to develop an agreement for treatment. The agreement shall incorporate 'best practices' as identified by the NAHC. A final report shall be prepared by the project archaeologist in consultation with the MLD and approved by the City of East Palo Alto. Work on the project may proceed upon City approval.

Implementation of the Standard Conditions of Approval above would ensure the project complies with state and City requirements.

V. Conclusion

As documented in Section IV. Environmental Review, with the incorporation of the City's standard conditions of approval, none of the exceptions contained in CEQA Guidelines Section 15300.2 apply to the project and the project is consistent with the criteria in CEQA Guidelines Section 15332. The project, therefore, qualifies as exempt from the provisions of CEQA under Class 32 of the CEQA Guidelines.

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APPENDICES

Appendix A: Arborist Report and Addendum

Appendix B: Transportation Analysis and Addendum

Appendix C: Construction Noise and Vibration Assessment and Addendum

Appendix D: Air Quality Assessment

Appendix E: Historic Resources Evaluation

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Updated Preliminary Arborist Report

2120-2160 Euclid Avenue
East Palo Alto, CA

Prepared for:
Pacific West Communities, Inc.
430 E. State Street, Suite 100
Eagle, ID 83616

Prepared by:
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5627 Telegraph Ave., #385
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June 2026

WOODREEVE CONSULTING

Updated Preliminary Arborist Report

2120-2160 Euclid Ave., East Palo Alto CA

Summary

Pacific West Communities, Inc. is proposing to redevelop the site located at 2120-2160 Euclid Ave., in East Palo Alto CA. Woodreeve Consulting was asked to prepare an **Arborist Report** for the project as part of the development submittals to the City of East Palo Alto.

I reviewed the following plans to estimate impacts to the trees. Although labeled 'Preliminary', the plans provided sufficient information about the location and nature of the proposed construction to make an accurate and thorough assessment of the impacts to the trees.

- Preliminary Site Plans, Preliminary Grading and Drainage Plan and Preliminary Utility Plan, all prepared by BKF Engineers (dated 3.17.2026).

A total of 72 trees were assessed from 18 species. This included 28 off-site trees (354-356, 364, 374, 375, 377, 378, 380-383 and 386-400) and street trees #329 and 357. Data on individual trees is provided in the ***Tree Data*** sheet and approximate locations are represented on the ***Tree Location Map*** (Exhibits).

In general, trees were concentrated around the periphery of the site, with groups of trees along the southern, eastern and northern boundaries. A row of mature coast redwoods, with a few other species interplanted, was growing on the project site, immediately adjacent to Bell Park. The majority of the off-site trees were growing along and adjacent to the pedestrian path to Bell Park and in Bell Park.

Based on the City of East Palo Alto Municipal Code 12.16 (Trees on Public Property and in the Public Right-of-Way), and Municipal Code 18.28 (Trees on Private Property), a total of 68 *Protected* trees were assessed, 66 of which had trunk diameters ≥8" and #329 and 357 were within the right-of-way. *Protected* trees are identified in the ***Tree Data*** sheet.

I reviewed the Preliminary Site, Grading and Drainage, and Utility Plans (BKF Engineers) to estimate impacts to the trees. The plans were preliminary but provided sufficient detail to make an accurate assessment of impacts to trees. Where needed, I spoke with BKF, the project engineer, for more information and details.

Thirteen trees have been identified for retention under the current design, 12 of which were *Protected* trees. Table 3 (Page 10) provides the disposition, protected status and recommended action for each tree, along with color-coding to help understand the severity of the impacts.

Successful retention of tree #381 will require design modifications to the retaining wall and bioretention to minimize grading within 10' of the tree trunk, as well as hand excavation within this zone to locate and prune roots.

Based on the current design, 59 trees would be removed as part of the redevelopment of the site. All 59 of the trees identified for removal would be directly impacted by the proposed changes and 25 were considered inappropriate for retention. Fifty-six of the trees qualified as *Protected* (including street trees #329 and 357), and 15 were off-site (#354-357, 364, 377, 382, 383 and 386-392).

I estimated the value of the 72 trees assessed in this report as **$595,650** (see the attached ***Appraisal worksheet***). The value of the 59 trees identified for removal was estimated at **$471,800** (Table 4). The estimated value of the 13 trees identified for preservation was **$123,850** (Table 5).

Given the physical site constraints, applicant would like to propose to work with City Parks and arborist to mitigate tree removals, or a portion of them, by planting mitigation trees within Bell Park, another public park in the City, or on a public school site in East Palo Alto.

Both specific and general ***Tree Preservation Requirements*** are provided at the end of the report (Pages 14-16).

Updated Preliminary Arborist Report
2120-2160 Euclid Ave., East Palo Alto CA

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Updated Preliminary Arborist Report
2120-2160 Euclid Ave., East Palo Alto CA

Introduction

Pacific West Communities, Inc. is proposing to redevelop the site located at 2120-2160 Euclid Ave., in East Palo Alto CA. Woodreeve Consulting was asked to prepare an **Arborist Report** for the project as part of the development submittals to the City of East Palo Alto.

Site and Project Description

The site is bordered by Euclid Ave. to the west, Donahoe St. to the south and Bell Street Park to the northeast. It currently houses Ravenswood City School District facilities, with several single-story buildings, a central parking lot and a bus maintenance and storage yard at the south end. Trees were concentrated around the periphery of the site, with a couple in the parking lot. A row of trees ran along the northeast corner of the site, adjacent to the park.

The proposed project would redevelop the lot into a mixed-use development, with 430 residential units in two 6-story buildings separated by a 20' EVA. The first floors would be the garages, with 5 floors of residential above. Residential would be the primary site use, with retail located in the southwest corner of the site. Euclid Place, leading to Bell Park on the northern boundary, would be converted into an Emergency Vehicle Access (EVA), with park improvements including a basketball court constructed as part of the project.

Regulatory Context

The City of East Palo Alto Municipal Code 12.16 (Trees on Public Property and in the Public Right-of-Way) governs the planting, pruning, removal, preservation, and protection of City-owned/maintained trees, and Municipal Code 18.28 (Trees on Private Property) governs the pruning, protection and removal of *Protected* trees on private property. A permit is required for the removal of any City owned tree or any *Protected* tree.

Per Chapters 12.16 and 18.28, *Protected* trees are defined as:

- Any tree within the public right-of-way or on public property, irrespective of size.
- Any tree on private property having a main stem or trunk of 8" or greater in diameter at a height of 54" above grade (DSH); any tree required to be preserved as a condition of a development approval; any tree required to be planted as a condition of a development approval.

Project Limitations

The following plans were reviewed relative to the proposed development. These plans, especially if labeled 'Schematic', 'Preliminary' or 'Draft', do not typically include all the information required to make a complete and thorough assessment of impacts to trees. If plans are preliminary, the Arborist Report is considered preliminary.

- Preliminary Site Plans, Preliminary Grading and Drainage Plan and Preliminary Utility Plan, all prepared by BKF Engineers (dated 3.17.2026).

Methods

Trees were assessed on March 3 and 16, 2026. All trees measuring ≥6" in diameter were included in the survey.

The assessment procedure consisted of the following:

1. Identifying each live tree as to species;
2. Tagging each tree with an identifying number (attached to the trunk);
3. Recording each tree's location on a map;
4. Measuring the trunk diameter at 54" above grade;
5. Measuring the dripline in four cardinal directions;

6. Evaluating the health and structure using a scale of 0 – 5, where 5 is excellent condition,1 is a tree in severe decline and 0 is a dead tree:
   5 = *Excellent* health and vitality. Good form and structure. No insect or disease problems of significance.
   4 = *Good* health and vitality. Minor dieback and/or decline in vigor. Insignificant structural defects or insects/disease issues that can be corrected.
   3 = *Moderate* health and vitality. Moderate twig and branch dieback or chlorotic foliage. Fair structure, limited decay and/or insects/disease issues that would require a concerted effort to correct.
   2 = *Poor* health and vitality. Declining tree with extensive dieback or very thin crown. Significant decay and/or structural defects that cannot be corrected.
   1 = Very poor health and vitality. Tree is mostly dead or has extensive structural defects that cannot be corrected.
   0 = Dead
7. Rating the suitability for retention as 'high', 'moderate' or 'low'. Suitability goes beyond tree health and structure to consider the interaction of the tree and its current environment, and its potential to be retained and continue to provide benefits.
   High: Trees with good health and structure that have been appropriately located and can continue to provide benefits well into the future.
   Moderate: Trees with fair health and/or structure that have minimal restrictions to their growth and development. The tree can continue to provide benefits but will require ongoing management to address health, structure and/or tree/site conflicts.
   Low: Trees with poor health and/or significant structural defects. The tree may be in conflict with overhead utilities, hardscape or other site features that require ongoing abatement. The species may be invasive or other characteristics that are undesirable or inappropriate for their location.

Tree Resource

A total of 72 trees were assessed from 18 species. This included 28 off-site trees (354-356, 364, 374, 375, 377, 378, 380-383 and 386-400) and street trees #329 and 357. Data on individual trees is provided in the ***Tree Data*** sheet and approximate locations are represented on the ***Tree Location Map*** (Exhibits).

In general, trees were concentrated around the periphery of the site, with groups of trees along the southern, eastern and northern boundaries. A row of mature coast redwoods, with a few other species interplanted, was growing on the project site, immediately adjacent to Bell Park. The majority of the off-site trees were growing along and adjacent to the pedestrian path to Bell Park and in Bell Park.

Tree Condition

Table 1 (following page) provides the number, condition and protected status for each species of tree assessed as part of the project. The photographs and descriptions on the following pages provide an overview of tree species and condition. Tree heights ranged from 14' (tree #357) to 105' (trees #349 and 367).

Photo 1 (L): Looking south at blackwood acacia #329, which was considered 'all but dead'. In general, all 4 blackwood acacias were in poor condition and were starting to fall apart. Tree #331 was dead and #332 had a crack in the stem attachments that was failing.

Table 1: Number, Condition and Protected Status of Trees
2120-2160 Euclid Ave., East Palo Alto CA

Common Name	Scientific Name	Condition Rating				Protected?	# of Trees
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)		
Blackwood acacia	*Acacia melanoxylon*	1	4	1	-	5	5
Tree of heaven	*Ailanthus altissima*	-	-	3	-	3	3
Camphor	*Cinnamomum camphora*	-	1	-	-	1	1
Red river gum	*Eucalyptus camaldulensis*	-	-	1	-	1	1
Evergreen ash	*Fraxinus uhdei*	-	-	-	2	2	2
Calif. black walnut	*Juglands hindsii*	-	1	-	-	1	1
Hollywood juniper	*Juniperus chinensis* 'Kaizuka'	-	-	2	-	2	2
Sweetgum	*Liquidambar styraciflua*	-	-	1	-	1	1
Olive	*Olea europaea*	-	-	1	-	-	1
Avocado	*Persea americana*	-	-	-	1	-	1
Pittosporum sp.	*Pittosporum sp.*	-	-	2	-	2	2
London plane	*Platanus x hispanica*	-	-	1	8	8	9
Purple-leaf plum	*Prunus cerasifera* 'Atropurpurea'	-	1	-	-	1	1
Coast live oak	*Quercus agrifolia*	-	-	-	3	3	3
Southern live oak	*Quercus virginiana*	-	-	-	1	-	1
Coast redwood	*Sequoia sempervirens*	-	3	14	5	22	22
Western red cedar	*Thuja plicata*	-	5	2	-	7	7
Chinese elm	*Ulmus parvifolia*	-	-	-	7	7	7
Grand Total		**1**	**15**	**28**	**27**	**(68)**	**72**
		2%	21%	39%	38%	(94%)	100%

Photo 2 (L): Looking east at Hollywood junipers #333 and 334, both of which were in good condition but leaned to the south. **Photo 3** (R): Looking west at London planes #335 and 336 (L to R). Both the London planes were semi-mature (15" and 17" in diameter) and in excellent condition. They were growing just behind the fence along the southern boundary.

Photo 4 (Top L): Looking south at coast redwood #337. It was mature (33" in diameter) and in fair condition. It had been pruned for the utilities and had displaced the asphalt ~12".

Photo 5 (Top R): Looking southeast at coast redwood #338. This was the largest-diameter tree assessed at 51". Condition was fair, with moderate dieback in the canopy. It had been preserved in a medium-sized island surrounded by asphalt.

Photo 6 (L): Looking north at coast redwood #349. It measured 49" in diameter and had been preserved in a very small-sized cut-out and the base had grown over the curb.

Photo 7 (R): Looking northeast at western red cedars #339-345 (foreground to background). This row of trees had been planted along the eastern property line. The trees were semi-mature to mature and in fair (2 trees) to poor (5 trees) condition.

Photo 8 (L): Looking north at mature evergreen ash #346 (right) and young avocado #347 (left/arrow). Both trees were growing in a large island in the parking lot, and both were in good condition.

Photo 9 (Below R): Looking east at off-site Chinese elms #354-356 and 389-392 growing along the foot path to Bell Park. They were all in good condition.

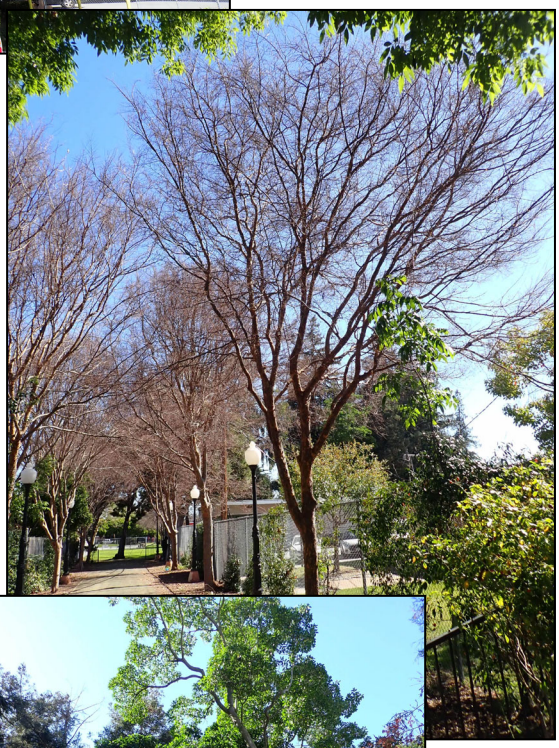


Photo 10 (Above L): Looking west at mature river red gum #358 (R) and coast redwood #359 (L). Both trees were growing adjacent to Bell Park. The river red gum was in fair condition and the coast redwood had been topped and was in poor condition.

Photo 11 (R): Shows lemonwoods #360 and 361 and coast redwoods #362 and 363 growing within ~2' to 5' of the existing building. All these trees were in fair condition

Photo 12 (Above L): Looking southwest at coast redwoods #363-371 (R to L) and **Photo 13 (Above R)**: Looking southeast at coast redwoods #370-373 (R to L). In general, this row of redwoods was growing within 2' to 5' of the existing buildings and the trees were in fair condition. Among this group, coast redwood #369 was the exception and was in poor condition.

Photo 14 (Below): Shows the row of trees along the eastern property boundary with Bell Park (#373-380, R to L). Condition varied from poor (#382) to good (#375, 380 and 383), with the majority of these trees in fair condition. They were growing within ~1' to 12' of the existing fence.

Photo 15 (L): Looking southwest at mature coast redwoods #386 and 387 (L to R). Both trees were growing off-site in Bell Park and #386 was in fair condition and #387 was in good.

Photo 16 (Below R): Shows blackwood acacia #388, growing off-site in Bell Park. It was in fair condition, but of Low suitability for retention.

Photo 17 (Bottom L): Looking east at evergreen ash #400, located just off-site, adjacent to the pedestrian path to Bell Park. The tree was large and had already displaced the sidewalk along Euclid Ave. (inset, bottom R).

Protected Status
City of East Palo Alto Municipal Code 12.16 (Trees on Public Property and in the Public Right-of-Way) governs the planting, pruning, removal, preservation, and protection of City-owned/maintained trees, and Municipal Code 18.28 (Trees on Private Property). A permit is required for the removal of any City owned tree or any *Protected* tree.

Based on the City's policies, a total of 68 *Protected* trees were assessed at the 2120-2160 Euclid Ave. site, 66 of which had trunk diameters ≥8" and #329 and 357 were within the right-of-way.

Suitability for Retention
Irrespective of impacts from development, some trees are inappropriate for retention. Suitability for retention ratings incorporate tree health, structure, species characteristics, tree age and longevity and tree-site conflicts. The goal is to identify trees that are healthy, well-structured and that can tolerate impacts from proposed site changes.

Factors affecting Suitability for Retention ratings include:

- ***Tree health and structure***: The better the health and structure, the more tolerant of development impacts and the less likely the tree will fail.
- ***Species characteristics****:* Species differ in their tolerance to root loss, grade change, hydrological changes and pruning. In addition, some species are listed as invasive, as defined by the California Invasive Plant Inventory Database (http://www.cal-ipc.org/paf/) and are considered inappropriate for retention.
- ***Tree age and longevity:*** Older trees are less capable of responding to site changes and disturbance and can be expected to have shorter life-spans than young trees.
- ***Tree-Site Conflicts:*** Where large-growing species have been planted in tight spaces or beneath overhead utilities and require ongoing maintenance (root or crown pruning), they may not be appropriate for retention. The tree may have simply outgrown the available space, or the species may produce fruit/litter that represents a mismatch between the tree and its planting location.

Table 2 provides a summary of the Suitability for Retention ratings. Trees in the High category represent the best opportunities for successful tree preservation. Those in the moderate category may be preserved but will require more space, management and monitoring to successfully preserve. I generally do not recommend retaining trees in the Low category.

Table 2: Suitability for Retention
2120-2160 Euclid Ave., East Palo Alto CA

High	These are healthy, well-structured trees that can be expected to continue to provide benefits for many years.	Seven trees were considered Highly suitable for retention, including London planes #335, 336, 393, 394, and 396-398.
Moderate	These are trees with moderate health and structural defects that can be managed but which may not be correctable. They can be expected to continue to provide benefits, but may have a shorter life-expectancy and require more management than Highly suitable trees.	Forty trees were of Moderate suitability for retention, including 20 coast redwoods, 7 Chinese elms, coast live oaks #352, 353 and 380, and 9 trees from 5 other species.

(Continued, following page)

Table 2: Suitability for Retention, continued
2120-2160 Euclid Ave., East Palo Alto CA

Low	These are trees in decline or with structural defects that can't be managed. The tree may be inappropriately located on the site, requiring ongoing management, often to the detriment of tree health and structure. Any benefits the tree provides are limited and outweighed by the costs of management.	Twenty-five trees were of Low suitability for retention, including blackwood acacias #329-332 and 388, Western red cedars #339-345, coast redwoods #359, 365, 369 and 382, trees of heaven #376, 377 and 379, and four trees from four other species.

Project Impacts

The proposed project would redevelop the site into a mixed-use development, with 430 residential units in two 6-story buildings separated by an emergency vehicle access (EVA) road. A second EVA would be constructed along the northern property boundary, converting Euclid Pl. that leads to Bell Park, into an access road with a hammerhead. The EVA hammerhead would be part of a basketball court and other public improvements the project would add to the northwestern corner of Bell Park.

Improvements would include:

- Two 5-story residential buildings would be constructed.
- Retail would be constructed in the southwest corner at the corners of Euclid Ave. and Donahoe Street.
- Bioswale planters would be installed across the site.
- Each garage would have a new driveway and a new 20' EVA would separate the two buildings.
- A second 20' wide EVA would be constructed on the north side of the property, converting Euclid Pl. into an access road.
- New amenities would be constructed in Bell Park as part of the EVA, including a basketball court, picnic areas and public art.

I reviewed the following plans to estimate impacts to the trees. Although titled as 'Preliminary', the plans provided sufficient information about the location and nature of the proposed construction to make an accurate and thorough assessment of the impacts to the trees.

- Preliminary Site Plans, Preliminary Grading and Drainage Plan and Preliminary Utility Plan, all prepared by BKF Engineers (dated 3.17.2026).

Retained Trees
Thirteen trees have been identified for retention under the current design, 12 of which were *Protected* trees.

All the trees proposed for preservation were located off-site along the boundary with Bell Park and the proposed EVA. Table 3 (following page) provides the disposition, protected status and recommended action for each tree, along with color-coding to help understand the severity of the impacts.

Tree #381 would be within ~6' of grading for a retaining wall and 8' from grading for the bioswale. Successful retention of tree #381 will require design modifications to the retaining wall and bioretention to minimize grading within 10' of the tree trunk.

Some pruning of the crowns and roots of trees identified preservation and possible preservation is anticipated for construction clearance and during excavations for the bioswales and EVA. ***Specific and General Tree Preservation Recommendations*** are provided on pages 14-16.

Removed Trees
Based on the current design, 59 trees would be removed as part of the redevelopment of the site. All 59 of the trees identified for removal would be directly impacted by the proposed changes and 25 were considered inappropriate for retention. Fifty-six of the trees qualified as *Protected* (including street trees #329 and 357), and 15 were off-site (#354-357, 364, 377, 382, 383 and 386-392).

Table 3: Assessment of Impacts and Recommendations
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Disposition	Impacts
329	Blackwood acacia	17	Yes	Remove	Within sidewalk
330	Blackwood acacia	19,17	Yes	Remove	Within sidewalk
331	Blackwood acacia	16,15,14,8	Yes	Remove	Within sidewalk
332	Blackwood acacia	23	Yes	Remove	Within sidewalk
333	Hollywood juniper	11	Yes	Remove	Within bioretention
334	Hollywood juniper	22	Yes	Remove	Within bioretention
335	London plane	15	Yes	Remove	Impacted by building
336	London plane	17	Yes	Remove	Impacted by building
337	Coast redwood	32	Yes	Remove	Within building
338	Coast redwood	50	Yes	Remove	Within building
339	Western red cedar	29	Yes	Remove	Impacted by building
340	Western red cedar	20	Yes	Remove	Within EVA
341	Western red cedar	14	Yes	Remove	Within EVA
342	Western red cedar	17	Yes	Remove	Within EVA
343	Western red cedar	17	Yes	Remove	Within EVA
344	Western red cedar	22,20	Yes	Remove	Within transformer
345	Western red cedar	21	Yes	Remove	Within bioswale
346	Evergreen ash	32	Yes	Remove	Within garage entry
347	Avocado	7,7,3	No	Remove	Within garage entry
348	Sweetgum	14	Yes	Remove	Within garage entry
349	Coast redwood	36	Yes	Remove	Within trash encl.
350	Camphor	17	Yes	Remove	Within walkway
351	Southern live oak	6	No	Remove	Within building
352	Coast live oak	16	Yes	Remove	Within trash staging
353	Coast live oak	14,13,5	Yes	Remove	Within trash staging
354	Chinese elm	10	Yes	Remove	Within EVA
355	Chinese elm	11	Yes	Remove	Within EVA
356	Chinese elm	9	Yes	Remove	Within EVA
357	Purple-leaf plum	6,5	No	Remove	Within sidewalk
358	Red river gum	32	Yes	Remove	Within site grading
359	Coast redwood	30	Yes	Remove	Within site grading
360	Lemonwood	14	Yes	Remove	Within site grading
361	Lemonwood	12	Yes	Remove	Within site grading
362	Coast redwood	15	Yes	Remove	Within site grading

(**Continued, following page**)

Tree #	Species	Diameter	Protected	Disposition	Impacts
363	Coast redwood	28,21	Yes	Remove	Within site grading
364	Coast redwood	32	Yes	Remove	Within EVA
365	Coast redwood	14	Yes	Remove	Within walkway
366	Coast redwood	32	Yes	Remove	Within walkway
367	Coast redwood	36	Yes	Remove	Within walkway
368	Coast redwood	26	Yes	Remove	Within walkway
369	Coast redwood	35	Yes	Remove	Within walkway
370	Coast redwood	32	Yes	Remove	Within walkway
371	Coast redwood	42	Yes	Remove	Within walkway
372	Coast redwood	46	Yes	Remove	Within bioswale
373	Coast redwood	24	Yes	Remove	Within bioswale
374	Coast redwood	22	Yes	**Preserve**	~8' from ret. wall
375	Coast redwood	33	Yes	**Preserve**	~12' from ret. wall
376	Tree of heaven	17	Yes	Remove	Within grading
377	Tree of heaven	16	Yes	Remove	<2' from ret. wall
378	Coast redwood	25	Yes	**Preserve**	~10' from grading
379	Tree of heaven	7,6	Yes	Remove	Within grading
380	Coast live oak	31	Yes	**Preserve**	~15' from ret. wall & bioretention
381	Coast redwood	30	Yes	**Preserve**	~6' from ret. wall, 8' from bioswale
382	Coast redwood	25	Yes	Remove	<2' from ret. wall
383	Coast redwood	31	Yes	Remove	~2.5' from ret. wall & 3' from bioretention
384	Calif. black walnut	8	Yes	Remove	Within bioretention
385	Olive	6	No	Remove	Within bioretention
386	Coast redwood	34	Yes	Remove	Within BB court
387	Coast redwood	38	Yes	Remove	Within BB court
388	Blackwood acacia	21	Yes	Remove	Within EVA
389	Chinese elm	10	Yes	Remove	Within EVA
390	Chinese elm	8	Yes	Remove	Within EVA
391	Chinese elm	9	Yes	Remove	Within EVA
392	Chinese elm	8	Yes	Remove	Within EVA
393	London plane	16	Yes	**Preserve**	~5' from EVA
394	London plane	16	Yes	**Preserve**	~5' from EVA
395	London plane	9	Yes	**Preserve**	~5' from EVA
396	London plane	8	Yes	**Preserve**	~5' from EVA
397	London plane	12	Yes	**Preserve**	~5' from EVA
398	London plane	8	Yes	**Preserve**	~5' from EVA
399	London plane	7	No	**Preserve**	~5' from EVA
400	Evergreen ash	48	Yes	**Preserve**	~5' from EVA

Color coding:

Root loss within 1x DBH	Root loss within 3x DBH
Root loss within 2x DBH	Root loss 4-5x DBH

Estimated Value of Trees

As part of their development application requirements, the City of East Palo Alto requires the value of all the trees be established using the 'current edition of the *Guide for Plant Appraisal*'.

The 10th Edition of the *Guide for Plant Appraisal*, is the most current edition (published in 2018 by the International Society of Arboriculture). Together with its companion document, *Species Classification and Group Assignment* (published in 2004 by the Western Chapter of the International Society of Arboriculture), they describe the industry standard methods used in tree and plant appraisal.

The *Guide* describes several approaches to appraising the value of plants and trees. The most appropriate in the case of widely available landscape plants is the *Trunk Formula Technique*, a reproduction method based on the following factors:

- Tree size, as measured in terms of trunk diameter at 4.5' above the ground.
- Tree condition, as described in the ***Tree Data*** sheet.
- Functional limitations, which account for interactions between the tree and site that limit future plant development. In this case, primary functional limitations related to species adaptability to the site/regional climate and limited growing space for many of the trees.
- External limitations, which account for factors outside the control of the tree owner, such as ordinances that impact tree management. In this case, there were no external limitations noted.

The estimated value the 72 trees assessed in this report was **$595,650** (see the attached ***Appraisal worksheet***).

The estimated value of the 59 trees identified for removal was **$471,800** (Table 4).

The estimated value of the 13 trees identified for preservation was **$123,850** (Table 5).

Given the physical site constraints, the applicant would like to propose to work with City Parks and arborist to mitigate tree removals, or a portion of them, by planting mitigation trees within Bell Park, another public park in the City, or on a public school site in East Palo Alto.

Table 4: Estimated value of trees identified for removal
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Estimated Value ($)
329	Blackwood acacia	17	Yes	850
330	Blackwood acacia	19,17	Yes	5,600
331	Blackwood acacia	16,15	Yes	0
332	Blackwood acacia	23	Yes	1,500
333	Hollywood juniper	11	Yes	1,800
334	Hollywood juniper	22	Yes	6,950
335	London plane	15	Yes	9,100
336	London plane	17	Yes	11,600
337	Coast redwood	33	Yes	11,700
338	Coast redwood	51	Yes	28,500
339	Western red cedar	30	Yes	9,200
340	Western red cedar	21	Yes	7,300
341	Western red cedar	15	Yes	2,200
342	Western red cedar	18	Yes	3,200

(**Continued, following page**)

Table 4: Estimated value of trees identified for removal, continued
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Estimated Value ($)
343	Western red cedar	18	Yes	3,200
344	Western red cedar	22,21	Yes	9,650
345	Western red cedar	22	Yes	8,050
346	Evergreen ash	37	Yes	20,850
347	Avocado	8,7	No	2,800
348	Sweetgum	14	Yes	4,800
349	Coast redwood	49	Yes	14,800
350	Camphor	17	Yes	5,350
351	Southern live oak	6	No	1,200
352	Coast live oak	16	Yes	6,600
353	Coast live oak	15,14,6	Yes	10,000
354	Chinese elm	11	Yes	5,350
355	Chinese elm	11	Yes	6,450
356	Chinese elm	9	Yes	4,350
357	Purple-leaf plum	6,5	Yes	950
358	Red river gum	32	Yes	18,600
359	Coast redwood	30	Yes	6,200
360	Lemonwood	14	Yes	2,850
361	Lemonwood	12	Yes	3,550
362	Coast redwood	15	Yes	2,650
363	Coast redwood	28,21	Yes	14,000
364	Coast redwood	32	Yes	11,700
365	Coast redwood	14	Yes	2,300
366	Coast redwood	32	Yes	11,700
367	Coast redwood	36	Yes	20,700
368	Coast redwood	26	Yes	7,750
369	Coast redwood	35	Yes	8,400
370	Coast redwood	32	Yes	11,700
371	Coast redwood	42	Yes	20,150
372	Coast redwood	46	Yes	33,750
373	Coast redwood	24	Yes	6,600
376	Tree of heaven	17	Yes	2,300
377	Tree of heaven	16	Yes	2,050
379	Tree of heaven	7,6	Yes	700
382	Coast redwood	25	Yes	4,300
383	Coast redwood	31	Yes	15,400
384	Calif. black walnut	8	Yes	600
385	Olive	6	No	600
386	Coast redwood	34	Yes	13,200
387	Coast redwood	38	Yes	23,100
388	Blackwood acacia	21	Yes	6,350
389	Chinese elm	10	Yes	5,350
390	Chinese elm	8	Yes	3,500
391	Chinese elm	9	Yes	4,350
392	Chinese elm	8	Yes	3,500
Total				**$471,800**

Table 5: Estimated value of trees identified for retention
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Estimated Value ($)
374	Coast redwood	22	Yes	5,550
375	Coast redwood	33	Yes	17,250
378	Coast redwood	25	Yes	7,150
380	Coast live oak	31	Yes	13,250
381	Coast redwood	30	Yes	10,300
393	London plane	16	Yes	6,600
394	London plane	16	Yes	6,600
395	London plane	9	Yes	2,150
396	London plane	8	Yes	1,750
397	London plane	12	Yes	3,750
398	London plane	8	Yes	1,750
399	London plane	7	No	950
400	Evergreen ash	48	Yes	46,800
Total				**$123,850**

Tree Preservation Recommendations

Preservation of trees during construction requires a deliberate and concerted effort from the planning stage, through demolition and construction and installation of plants and irrigation. Every contractor on the project must be made aware of the following recommendations for the protection of trees identified for preservation if the trees are to remain an asset and continue to provide benefits to the site for years to come.

Damage to trees on construction sites is typically associated with root injury and loss and often occurs on the first day of demolition. Direct injury severs roots while indirect injury, such as soil compaction, creates an inhospitable environment for root growth.

Specific Tree Preservation Requirements

The primary recommendations for preservation on the 2120-2160 Euclid Ave. site include:

- The Consulting Arborist must review all plans to adequately assess impacts to trees. These include, but are not limited to, improvement plans, utility and drainage plans, grading plans, landscape and irrigation plans and demolition plans.
- Design the retaining wall and bioretention facility adjacent to tree #381 and 383 to minimize the depth of grading within 10’ of the tree.
- Design the storm drain adjacent to off-site trees #393-397 to maintain a minimum of 5’ between the trunk of the trees and trenching for the storm drain line.
- All grading for the retaining wall and bioretention within 10’ of the trunk of tree #383 shall be performed by hand and under the supervision of the Consulting Arborist.
- Root pruning for trees identified for retention is anticipated, and especially for trees #383 and #400. All root pruning should be done in accordance with the pruning requirements provided below.
- If needed, have trees pruned to reduce canopies for construction clearance. Any pruning of off-site trees should be done with the permission of the adjacent property owner, and all pruning should be done in accordance with the pruning requirements provided below.

General Tree Preservation Requirements
In addition to the specific recommendations provided above, the following general recommendations are designed to minimize impacts to trees from site demolition, grading, utility work and construction.

Any work within the designated **TREE PROTECTION ZONE** must be approved and monitored by the Consulting Arborist. If fences have been erected at the limit of the **TREE PROTECTION ZONE** the fences will be ***temporarily*** removed and work performed under the direct supervision of the Consulting Arborist. Fences will be replaced following completion of the work based on the recommendations of the Consulting Arborist.

Design phase

1. The Consulting Arborist must review all plans to adequately assess impacts to trees. These include, but are not limited to, improvement plans, utility and drainage plans, grading plans, landscape and irrigation plans and demolition plans.
2. Design the retaining wall and bioretention facility adjacent to tree #381 and 383 to minimize the depth of grading within 10' of the tree.
3. Design the storm drain adjacent to off-site trees #393-397 to maintain a minimum of 5' between the trunk of the trees and trenching for the storm drain line.
4. ***Tree Preservation Recommendations*** prepared by the Consulting Arborist should be included on all plans.
5. Establish a **TREE PROTECTION ZONE** (**TPZ**) for trees to be preserved, in which no disturbance is permitted. **TREE PROTECTION ZONES** are provided in the following table. No grading, excavation, construction or storage of materials shall occur within that zone.

Specific Tree Protection Zones

Tree No.	TPZ
#374	8' W., Dripline (DL) in all other directions
#375	12' W., DL in all other directions
#378	10' W., DL in all other directions
#380	15' W., DL in all other directions.
#381	10' W., DL in all other directions.
#393-400	5' S., DL in all other directions.

5. Underground services including utilities, sub-drains, water or sewer shall be routed around the **TREE PROTECTION ZONE**. Where encroachment cannot be avoided, special construction techniques such as hand digging or tunneling under roots shall be employed where necessary to minimize root injury.
6. Irrigation systems must be designed so that no trenching will occur within the **TREE PROTECTION ZONE**.

Pre-demolition and construction phase

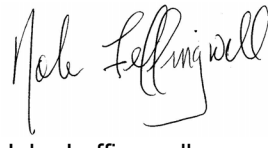
1. The demolition contractor and construction superintendent shall meet with the Consulting Arborist before beginning work to discuss work procedures and tree protection.
2. Fence all trees to be retained to completely enclose the **TREE PROTECTION ZONE** prior to demolition, grubbing or grading. Project perimeter fencing may be adequate. Fences shall be 6 ft. chain link and are to remain until all grading, construction and landscaping is completed. Place weatherproof signs, 2' x 2', on the fencing that read "**TREE PROTECTION ZONE** Keep Out" (eg. one sign for each of the four compass points).

3. Where possible, cap and abandon all existing underground utilities within the **TPZ** in place. Removal of utility boxes by hand is acceptable but avoid trenching within the **TPZ**.
4. Prune trees to be preserved to provide construction clearance. Trees should also be pruned to clean the crowns of dead branches and correct defects in structure.
5. All pruning shall be done by a State of California Licensed Tree Contractor (C61/D49). All pruning shall be done by Certified Arborist or Certified Tree Worker in accordance with the Best Management Practices for Pruning (International Society of Arboriculture, 2017) and adhere to the most recent editions of the American National Standard for Tree Care Operations (Z133.1) and Pruning (A300).
6. All tree work shall comply with the Migratory Bird Treaty Act as well as California Fish and Wildlife Code 3503-3513 to not disturb nesting birds. To the extent feasible tree pruning and removal should be scheduled outside of the breeding season. Breeding bird surveys should be conducted prior to tree work. Qualified biologists should be involved in establishing work buffers for active nests.

Construction phase

1. Any contractor working in the vicinity of trees to be preserved are required to meet with the Consulting Arborist at the site to review all work procedures, access routes, storage areas and tree protection measures.
2. Any excavation that is expected to encounter tree roots must be approved and monitored by the Consulting Arborist. Roots shall be cut by manually exposing roots and pruning all roots ≥2" in diameter with a **sharp** saw. The Consulting Arborist will identify where root pruning is required and monitor all root pruning activities.
3. If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Consulting Arborist so that appropriate treatments can be applied.
4. Fences have been erected to protect trees to be preserved. Fences define a specific **TREE PROTECTION ZONE** for each tree or group of trees. Fences are to remain until all sitework has been completed. Fences may not be relocated or removed without permission of the Consulting Arborist.
5. Construction trailers, traffic and storage areas must remain outside the **TREE PROTECTION ZONE** at all times.
6. All underground utilities, drain lines or irrigation lines shall be routed outside the **TREE PROTECTION ZONE**. If lines must traverse through the **TPZ**, the excavation shall be performed by hand or with compressed air or water. Where possible, roots shall be tunneled or bored under as directed by the Consulting Arborist.
7. No materials, equipment, spoil, waste or wash-out water may be deposited, stored, or parked within the **TREE PROTECTION ZONE** (fenced area).
8. Any additional tree pruning needed for clearance during construction must be performed by a qualified arborist and not by construction personnel.

Woodreeve Consulting LLC



John Leffingwell
Board Certified Master Arborist #WE-3966B
Registered Consulting Arborist #442

Exhibits: ***Tree Data, Tree Location Map and Appraisal Worksheet***

General Limitations

- My assessment of the trees is based on a visual evaluation of external conditions and defects observable from the ground. While defect-free trees do fail, especially under extreme wind loading or wind and rain, identifying trees with observable defects is a critical step in enhancing safety.
- Trees are dynamic, living entities that change over time. My assessment of the tree(s) is based on their condition at the time of my inspection. Trees should be inspected annually to monitor for changes in health and structure and following storms. Initiating these inspections is the tree owner/manager's responsibility.
- Trees require management to perform well in a giving setting. Periodic pruning, mulching, pest management and irrigation are typically required.
- Any legal description provided to the consultant is assumed to be correct.
- Care has been taken to obtain all information from reliable sources; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
- Sketches, drawings, and photographs in this report are intended for visual aids. They are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise.
- Information contained in this report covers only those items that were examined and reflects the conditions of those items at the time of inspection.
- The inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring.

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
329	Blackwood acacia	17	Yes	1	Low	All but dead.	12	10	10	12
330	Blackwood acacia	19,17	Yes	2	Low	Codominant trunks at 3'; narrow attachment; topped at 25'; decay.	12	12	8	10
331	Blackwood acacia	16,15	Yes	2	Low	Multiple attachments at 3'; 14" & 8" stems dead; declining.	12	20	15	18
332	Blackwood acacia	23	Yes	1	Low	Codominant trunks at 4'; crack in attachment widening; leans S.	5	25	10	18
333	Hollywood juniper	11	Yes	3	Moderate	Crowded by #334; one sided W.; fair form and structure.	10	18	5	10
334	Hollywood juniper	22	Yes	3	Moderate	Multiple attachments at 6'; pruned hard E.; leans S.	10	20	5	12
335	London plane	15	Yes	5	High	Multiple attachments at 10'; good form and structure; one sided W.	18	20	10	18
336	London plane	17	Yes	5	High	Good form and structure; one sided E.	20	20	50	10
337	Coast redwood	33	Yes	3	Moderate	Good form and structure; pruned NW. for overhead utilities; in medium planter & displaced asphalt ~12".	10	12	10	10
338	Coast redwood	51	Yes	3	Moderate	Multiple attachments in upper crown; moderate dieback; in medium planter.	15	15	15	15
339	Western red cedar	30	Yes	2	Low	Codominant trunks at 7'; leans & one sided W.; extensive dieback.	10	18	10	22
340	Western red cedar	21	Yes	3	Low	Multiple attachments at 12'; topped at 20'; asymmetric form.	10	8	15	12
341	Western red cedar	15	Yes	2	Low	Topped at 20'; poor form.	2	10	10	15
342	Western red cedar	18	Yes	2	Low	Topped at 20'; leans S.	8	10	15	12

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
343	Western red cedar	18	Yes	2	Low	Topped at 20'; strong lean SW.	2	12	0	20
344	Western red cedar	22,21	Yes	2	Low	Codominant trunks at 6'; topped at 20'; leans SW.; large basal wound N.	5	15	8	18
345	Western red cedar	22	Yes	3	Low	Topped at 20'; W. stem larger than rest of crown; trunk wound NW.	10	10	8	20
346	Evergreen ash	37	Yes	4	Moderate	Multiple attachments at 8'; good form and structure; lots of twig dieback; in large island & still displaced asphalt ~8".	20	25	22	20
347	Avocado	8,7	No	4	High	Crowded by #346; leans W.; vigorous.	8	15	8	15
348	Sweetgum	14	Yes	3	Low	Topped for overhead utilities; poor form and structure; in large planter.	10	12	10	10
349	Coast redwood	49	Yes	3	Moderate	Codominant trunks at 10'; pruned W. for overhead utilities; base pillowing over sidewalk; dead basal tissue.	10	15	15	15
350	Camphor	17	Yes	2	Low	Topped several times; not much remains; large trunk wounds.	5	8	8	8
351	Southern live oak	6	No	3	Low	Topped at 6'; fair form, poor structure.	8	8	8	8
352	Coast live oak	16	Yes	4	Moderate	Codominant trunks at 8'; good form and structure; growing in very tight spot between fences; displaced asphalt ~8".	18	20	15	18

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
353	Coast live oak	15,14,6	Yes	4	Moderate	No tag; multiple attachments at base; upright, narrow form; growing in tight spot between bldg. & fence.	12	18	12	18
354	Chinese elm	11	Yes	4	Moderate	Off-site, no tag; multiple attachments at 7'; good form.	20	10	15	18
355	Chinese elm	11	Yes	4	Moderate	Off-site, no tag; multiple attachments at 10'; good form.	20	12	15	22
356	Chinese elm	9	Yes	4	Moderate	Off-site, no tag; codominant trunks at 7'; one sided S.	12	15	15	15
357	Purple-leaf plum	6,5	Yes	2	Low	Off-site, no tag; codominant trunks at 2'; topped; poor form and structure.	8	10	10	5
358	Red river gum	32	Yes	3	Moderate	Codominant trunks at 10'; one sided S.	20	28	15	15
359	Coast redwood	30	Yes	2	Low	Topped at ~20'; poor form and structure.	5	3	8	5
360	Lemonwood	14	Yes	3	Moderate	Upright form; high crown.	6	10	12	15
361	Lemonwood	12	Yes	3	Moderate	Upright, narrow form.	3	8	8	10
362	Coast redwood	15	Yes	3	Moderate	Good form and structure; a little sparse.	10	10	10	10
363	Coast redwood	28,21	Yes	3	Moderate	Codominant trunks at 3'; stems lean away from each other; sparse crown.	8	15	15	15
364	Coast redwood	32	Yes	3	Moderate	Off-site; corrected lean S.; sparse crown. ~15' from wall	12	12	12	12
365	Coast redwood	14	Yes	3	Low	Crowded; crown bowed SW. ~7' from wall	5	8	3	10

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
366	Coast redwood	32	Yes	3	Moderate	Crowded; one sided W.; fire damage at base S. ~5' from wall	10	15	6	15
367	Coast redwood	36	Yes	4	Moderate	Good form and structure; fire damage at base S. ~4' from wall	18	18	15	15
368	Coast redwood	26	Yes	3	Moderate	Lost top; fire damage at base S.	8	10	8	10
369	Coast redwood	35	Yes	2	Low	Dead top; asymmetric form; fire damage at base S. ~4' from wall	15	15	10	198
370	Coast redwood	32	Yes	3	Moderate	Good form and structure; sparse crown. ~2' from wall	15	15	12	12
371	Coast redwood	42	Yes	4	Moderate	Good form and structure. ~2' from wall	10	18	10	10
372	Coast redwood	46	Yes	4	Moderate	Good form and structure. ~4' from wall	12	15	15	10
373	Coast redwood	24	Yes	3	Moderate	Good form and structure; sparse crown. ~2' from wall	10	10	10	10
374	Coast redwood	22	Yes	3	Moderate	Off-site; crowded; one sided NE.; sparse crown. ~8' from wall	10	8	10	10
375	Coast redwood	33	Yes	4	Moderate	Off-site; good form and structure; a little sparse in the upper crown. ~12' from wall	15	15	15	15
376	Tree of heaven	17	Yes	3	Low	Crowded; very one sided W. over project site; base against curb. ~3' from fence	10	18	8	18
377	Tree of heaven	16	Yes	3	Low	Off-site; codominant trunks at 12'; asymmetric form. ~7' from fence	10	18	8	18
378	Coast redwood	25	Yes	3	Moderate	Off-site; upright form; sparse, high crown. ~5' from fence	10	10	10	10

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

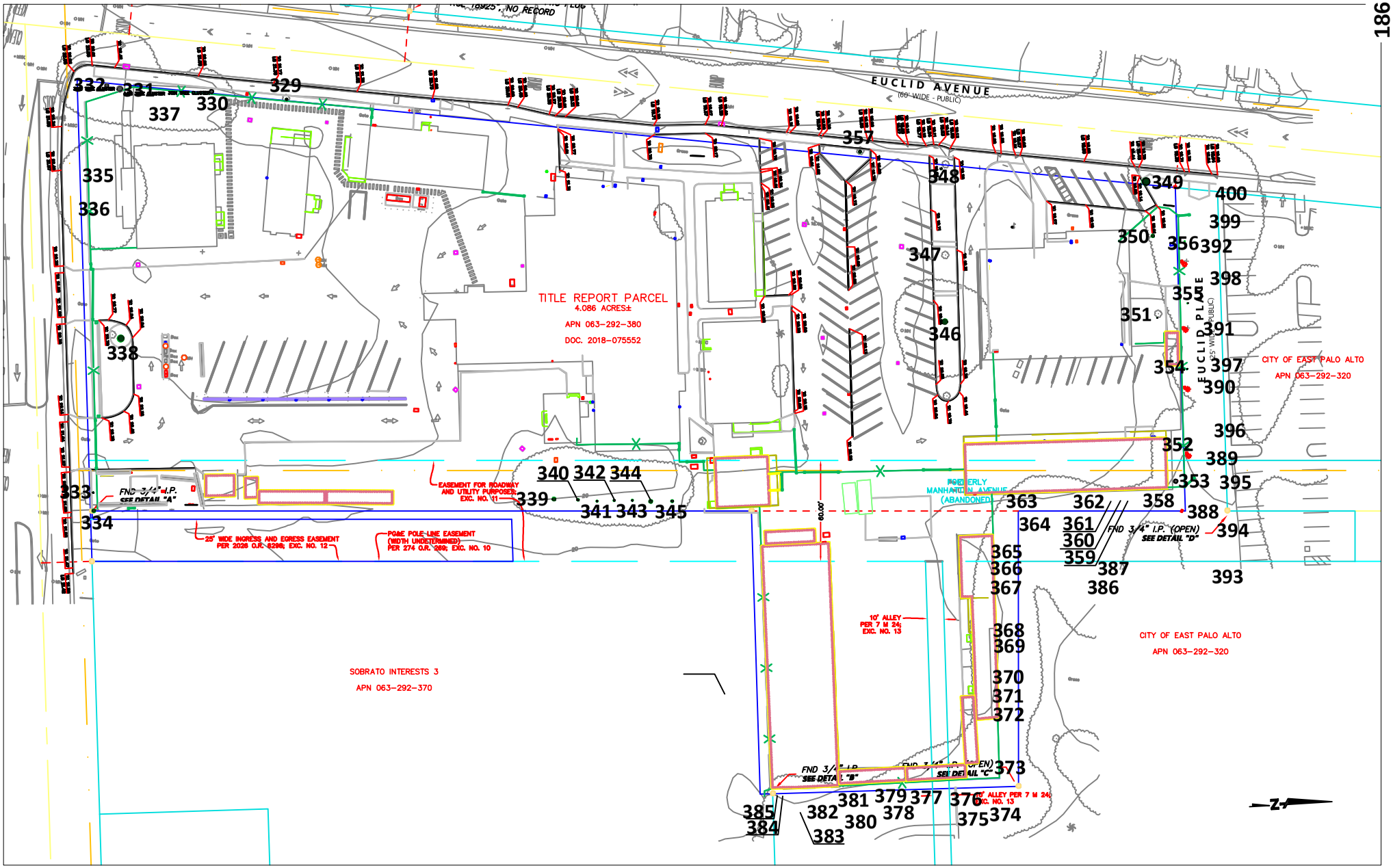
TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
379	Tree of heaven	7,6	Yes	3	Low	Codominant trunks at 3'; one sided W. ~3' from fence	12	10	0	15
380	Coast live oak	31	Yes	4	Moderate	Off-site; codominant trunks at 10'; leaning & very one sided E. ~12' from fence	20	18	35	15
381	Coast redwood	30	Yes	3	Moderate	Off-site; upright form; sparse crown. ~12' from fence	12	12	12	12
382	Coast redwood	25	Yes	2	Low	Off-site; topped at ~20'; poor form and structure. ~4' from wall	8	8	8	8
383	Coast redwood	31	Yes	4	Moderate	Off-site; upright form; a little sparse. ~5' from fence	12	12	12	12
384	Calif. black walnut	8	Yes	2	Low	Crowded; crooks in trunk; poor form and structure. ~1' from fence	5	8	5	10
385	Olive	6	No	3	Low	Crowded; one sided S. ~1' from fence	3	10	8	5
386	Coast redwood	34	Yes	3	Moderate	Off-site; crowded; one sided E.; a little sparse; trunk wound S.	12	18	15	10
387	Coast redwood	38	Yes	4	Moderate	Off-site; upright form; a little sparse.	15	15	15	15
388	Blackwood acacia	21	Yes	3	Low	Off-site; codominant trunks at18'; good form; base grew over stump of another tree.	18	15	15	12
389	Chinese elm	10	Yes	4	Moderate	Off-site; codominant trunks at 5'; good, upright form; trunk wounds at 10'.	12	10	12	10
390	Chinese elm	8	Yes	4	Moderate	Off-site; codominant trunks at 6'; good, upright form.	12	10	8	10

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
391	Chinese elm	9	Yes	4	Moderate	Off-site; multiple attachments at 6'; good, upright form.	10	10	10	12
392	Chinese elm	8	Yes	4	Moderate	Off-site; codominant trunks at 6'; upright, narrow form.	10	10	10	10
393	London plane	16	Yes	4	High	Off-site, not tag; good form and structure; surface roots in park.	0	22	15	18
394	London plane	16	Yes	4	High	Off-site, not tag; good form and structure.	0	18	15	12
395	London plane	9	Yes	4	Moderate	Off-site, not tag; upright form, fair structure.	0	10	10	8
396	London plane	8	Yes	4	High	Off-site, not tag; good form and structure.	0	10	8	10
397	London plane	12	Yes	4	High	Off-site, not tag; good form and structure; slight lean E.	0	10	12	12
398	London plane	8	Yes	4	High	Off-site, not tag; narrow form.	0	8	8	8
399	London plane	7	No	3	Moderate	Off-site, not tag; suppressed; lean E.	0	8	15	5
400	Evergreen ash	48	Yes	4	Moderate	Off-site, not tag; codominant trunks at 8'; pruned hard W. for overhead utilities; displaced sidewalk & curb/gutter3-4".	20	25	25	25



2120-2160 Euclid Avenue / East Palo Alto, CA

Prepared for: Pacific West Communities, Inc. / Eagle, ID

March 2026

Notes: no scale

Base map provided by: BKF Engineers / San Jose, CA

Tree Location Map

WOODREEVE CONSULTING
5627 Telegraph Avenue, Suite #385
Oakland, CA 94609
510.387.5241

Appraisal worksheet (10th ed. of the Guide/2004 ed. of Species Classification & Group Assignment)

2120-2160 Euclid Ave., East Palo Alto CA

Largest commonly available = 24" box

WOODREEVE CONSULTING

Tree No.	Species	Trunk Diameter	Cross sectional Area	Condition 0 to 1.0	Functional limitation	External limitation	Replacement tree Diameter	Replacement tree XS area	Total Cost	Unit Tree cost	Appraised Trunk area	Basic tree cost	Appraised value	Rounded value ($50)
329	Blackwood acacia	17	226.9806	0.1	0.55	1	2.2	3.8	250	65.78947368	226.9806	15,183	835	850
330	Blackwood acacia	19,17	510	0.3	0.55	1	2.2	3.8	250	65.78947368	510	33,803	5,577	5,600
331	Blackwood acacia	16,15,14,8	582	0	0.55	1	2.2	3.8	250	65.78947368	582	38,539	0	0
332	Blackwood acacia	23	415.4766	0.1	0.55	1	2.2	3.8	250	65.78947368	415.4766	27,584	1,517	1,500
333	Hollywood juniper	11	95.0334	0.5	0.55	1	2.2	3.8	250	65.78947368	95.0334	6,502	1,788	1,800
334	Hollywood juniper	22	380.1336	0.5	0.55	1	2.2	3.8	250	65.78947368	380.1336	25,259	6,946	6,950
335	London plane	15	176.715	0.9	0.85	1	2.2	3.8	250	65.78947368	176.715	11,876	9,085	9,100
336	London plane	17	226.9806	0.9	0.85	1	2.2	3.8	250	65.78947368	226.9806	15,183	11,615	11,600
337	Coast redwood	32	804.2496	0.5	0.55	1	2.46	4.75	250	52.63157895	804.2496	42,579	11,709	11,700
338	Coast redwood	50	1963.5	0.5	0.55	1	2.46	4.75	250	52.63157895	1963.5	103,592	28,488	28,500
339	Western red cedar	29	660.5214	0.3	0.7	1	2.2	3.8	250	65.78947368	660.5214	43,705	9,178	9,200
340	Western red cedar	20	314.16	0.5	0.7	1	2.2	3.8	250	65.78947368	314.16	20,918	7,321	7,300
341	Western red cedar	14	153.9384	0.3	0.7	1	2.2	3.8	250	65.78947368	153.9384	10,378	2,179	2,200
342	Western red cedar	17	226.9806	0.3	0.7	1	2.2	3.8	250	65.78947368	226.9806	15,183	3,188	3,200
343	Western red cedar	17	226.9806	0.3	0.7	1	2.2	3.8	250	65.78947368	226.9806	15,183	3,188	3,200
344	Western red cedar	22,20	694	0.3	0.7	1	2.2	3.8	250	65.78947368	694	45,908	9,641	9,650
345	Western red cedar	21	346.3614	0.5	0.7	1	2.2	3.8	250	65.78947368	346.3614	23,037	8,063	8,050
346	Evergreen ash	32	804.2496	0.7	0.7	1	2.46	4.75	250	52.63157895	804.2496	42,579	20,864	20,850
347	Avocado	7,7,3	83	0.7	0.7	1	2.2	3.8	250	65.78947368	83	5,711	2,798	2,800
348	Sweetgum	14	153.9384	0.5	0.55	1	1.69	2.24	250	111.6071429	153.9384	17,431	4,793	4,800
349	Coast redwood	36	1017.8784	0.5	0.55	1	2.46	4.75	250	52.63157895	1017.8784	53,823	14,801	14,800
350	Camphor	17	226.9806	0.3	0.7	1	1.69	2.24	250	111.6071429	226.9806	25,583	5,372	5,350
351	Southern live oak	6	28.2744	0.5	0.7	1	1.69	2.24	250	111.6071429	28.2744	3,406	1,192	1,200
352	Coast live oak	16	201.0624	0.7	0.7	1	2.2	3.8	250	65.78947368	201.0624	13,478	6,604	6,600
353	Coast live oak	14,13,5	307	0.7	0.7	1	2.2	3.8	250	65.78947368	307	20,447	10,019	10,000
354	Chinese elm	10	78.54	0.7	0.85	1	1.69	2.24	250	111.6071429	78.54	9,016	5,364	5,350
355	Chinese elm	11	95.0334	0.7	0.85	1	1.69	2.24	250	111.6071429	95.0334	10,856	6,460	6,450
356	Chinese elm	9	63.6174	0.7	0.85	1	1.69	2.24	250	111.6071429	63.6174	7,350	4,373	4,350
357	Purple-leaf plum	6,5	48	0.3	0.55	1	1.69	2.24	250	111.6071429	48	5,607	925	950
358	Red river gum	32	804.2496	0.5	0.7	1	2.2	3.8	250	65.78947368	804.2496	53,161	18,606	18,600
359	Coast redwood	30	706.86	0.3	0.55	1	2.46	4.75	250	52.63157895	706.86	37,453	6,180	6,200
360	Lemonwood	14	153.9384	0.5	0.55	1	2.2	3.8	250	65.78947368	153.9384	10,378	2,854	2,850
361	Lemonwood	12	113.0976	0.5	0.55	1	1.69	2.24	250	111.6071429	113.0976	12,873	3,540	3,550
362	Coast redwood	15	176.715	0.5	0.55	1	2.46	4.75	250	52.63157895	176.715	9,551	2,626	2,650
363	Coast redwood	28,21	961	0.5	0.55	1	2.46	4.75	250	52.63157895	961	50,829	13,978	14,000
364	Coast redwood	32	804.2496	0.5	0.55	1	2.46	4.75	250	52.63157895	804.2496	42,579	11,709	11,700
365	Coast redwood	14	153.9384	0.5	0.55	1	2.46	4.75	250	52.63157895	153.9384	8,352	2,297	2,300
366	Coast redwood	32	804.2496	0.5	0.55	1	2.46	4.75	250	52.63157895	804.2496	42,579	11,709	11,700
367	Coast redwood	36	1017.8784	0.7	0.55	1	2.46	4.75	250	52.63157895	1017.8784	53,823	20,722	20,700
368	Coast redwood	26	530.9304	0.5	0.55	1	2.46	4.75	250	52.63157895	530.9304	28,194	7,753	7,750
369	Coast redwood	35	962.115	0.3	0.55	1	2.46	4.75	250	52.63157895	962.115	50,888	8,396	8,400

Appraisal worksheet (10th ed. of the Guide/2004 ed. of Species Classification & Group Assignment)

2120-2160 Euclid Ave., East Palo Alto CA

Largest commonly available = 24" box

WOODREEVE CONSULTING

Tree No.	Species	Trunk Diameter	Cross sectional Area	Condition 0 to 1.0	Functional limitation	External limitation	Replacement tree Diameter	Replacement tree XS area	Total Cost	Unit Tree cost	Appraised Trunk area	Basic tree cost	Appraised value	Rounded value ($50)
370	Coast redwood	32	804.2496	0.5	0.55	1	2.46	4.75	250	52.63157895	804.2496	42,579	11,709	11,700
371	Coast redwood	42	1385.4456	0.7	0.55	1	2.46	4.75	250	52.63157895	1385.4456	73,168	28,170	20,150
372	Coast redwood	46	1661.9064	0.7	0.55	1	2.46	4.75	250	52.63157895	1661.9064	87,719	33,772	33,750
373	Coast redwood	24	452.3904	0.5	0.55	1	2.46	4.75	250	52.63157895	452.3904	24,060	6,617	6,600
374	Coast redwood	22	380.1336	0.5	0.55	1	2.46	4.75	250	52.63157895	380.1336	20,257	5,571	5,550
375	Coast redwood	33	855.3006	0.7	0.55	1	2.46	4.75	250	52.63157895	855.3006	45,266	17,427	17,250
376	Tree of heaven	17	226.9806	0.5	0.38	1	2.46	4.75	250	52.63157895	226.9806	12,196	2,317	2,300
377	Tree of heaven	16	201.0624	0.5	0.38	1	2.46	4.75	250	52.63157895	201.0624	10,832	2,058	2,050
378	Coast redwood	25	490.875	0.5	0.55	1	2.46	4.75	250	52.63157895	490.875	26,086	7,174	7,150
379	Tree of heaven	7,6	66	0.5	0.38	1	2.46	4.75	250	52.63157895	66	3,724	708	700
380	Coast live oak	31	754.7694	0.7	0.38	1	2.2	3.8	250	65.78947368	754.7694	49,906	13,275	13,250
381	Coast redwood	30	706.86	0.5	0.55	1	2.46	4.75	250	52.63157895	706.86	37,453	10,300	10,300
382	Coast redwood	25	490.875	0.3	0.55	1	2.46	4.75	250	52.63157895	490.875	26,086	4,304	4,300
383	Coast redwood	31	754.7694	0.7	0.55	1	2.46	4.75	250	52.63157895	754.7694	39,975	15,390	15,400
384	Calif. black walnut	8	50.2656	0.3	0.55	1	2.2	3.8	250	65.78947368	50.2656	3,557	587	600
385	Olive	6	28.2744	0.5	0.55	1	2.2	3.8	250	65.78947368	28.2744	2,110	580	600
386	Coast redwood	34	907.9224	0.5	0.55	1	2.46	4.75	250	52.63157895	907.9224	48,035	13,210	13,200
387	Coast redwood	38	1134.1176	0.7	0.55	1	2.46	4.75	250	52.63157895	1134.1176	59,940	23,077	23,100
388	Blackwood acacia	21	346.3614	0.5	0.55	1	2.2	3.8	250	65.78947368	346.3614	23,037	6,335	6,350
389	Chinese elm	10	78.54	0.7	0.85	1	1.69	2.24	250	111.6071429	78.54	9,016	5,364	5,350
390	Chinese elm	8	50.2656	0.7	0.85	1	1.69	2.24	250	111.6071429	50.2656	5,860	3,487	3,500
391	Chinese elm	9	63.6174	0.7	0.85	1	1.69	2.24	250	111.6071429	63.6174	7,350	4,373	4,350
392	Chinese elm	8	50.2656	0.7	0.85	1	1.69	2.24	250	111.6071429	50.2656	5,860	3,487	3,500
393	London plane	16	201.0624	0.7	0.7	1	2.2	3.8	250	65.78947368	201.0624	13,478	6,604	6,600
394	London plane	16	201.0624	0.7	0.7	1	2.2	3.8	250	65.78947368	201.0624	13,478	6,604	6,600
395	London plane	9	63.6174	0.7	0.7	1	2.2	3.8	250	65.78947368	63.6174	4,435	2,173	2,150
396	London plane	8	50.2656	0.7	0.7	1	2.2	3.8	250	65.78947368	50.2656	3,557	1,743	1,750
397	London plane	12	113.0976	0.7	0.7	1	2.2	3.8	250	65.78947368	113.0976	7,691	3,768	3,750
398	London plane	8	50.2656	0.7	0.7	1	2.2	3.8	250	65.78947368	50.2656	3,557	1,743	1,750
399	London plane	7	38.4846	0.5	0.7	1	2.2	3.8	250	65.78947368	38.4846	2,782	974	950
400	Evergreen ash	48	1809.5616	0.7	0.7	1	2.46	4.75	250	52.63157895	1809.5616	95,490	46,790	46,800
Total														**595,650**

June 8, 2026

Pacific West Communities, Inc.
430 E. State Street, Suite 100
Eagle, ID 83616

Subject: **Arborist Report Addendum**
Euclid Ave., East Palo Alto CA

Pacific West Communities, Inc. is proposing to redevelop the site located at 2120-2160 Euclid Ave., in East Palo Alto CA. Woodreeve Consulting prepared an **Arborist Report** for the project dated March 2026. The City of East Palo Alto requested I prepare a brief addendum to the **Arborist Report** identifying impacts to the City's trees. This letter responds to that request.

Off-site Trees
Trees were assessed on March 3 and 16, 2026. All trees measuring ≥6" in diameter were included in the survey.

A total of 72 trees were assessed, including 28 off-site trees (354-356, 364, 374, 375, 377, 378, 380-383 and 386-400) and street trees #329 and 357. However, only 19 of the off-site trees (and both street trees) were on City property, including #329, 354-357, 364, 374, 375, 377, 378, 380-383 and 386-392.

Data on individual trees is provided in the ***Tree Data*** sheet and approximate locations are represented on the ***Tree Location Maps*** (Exhibits).

The following provides a breakdown of the location of the City's trees:

- Trees #329 and 357 were located within the City right-of-way along Euclid Ave.
- Trees #354-356 and 389-392 were located on either side of the pedestrian path leading from Euclid Ave. to Bell Park.
- Trees #364, 374, 375, 377, 378, 380-383 and 386-388 were growing in Bell Park, adjacent to the proposed project site.

Based on my review of the latest grading plan, 16 of the City's trees would be directly impacted by the proposed changes, requiring their removal. This includes street trees #329 and 357, and 12 trees along the pedestrian path to Bell Park and within Bell Park (#354-357, 364, 377, 382, 383 and 386-392). These trees are identified on the ***Tree Location Maps*** with an '**X**' (Exhibits).

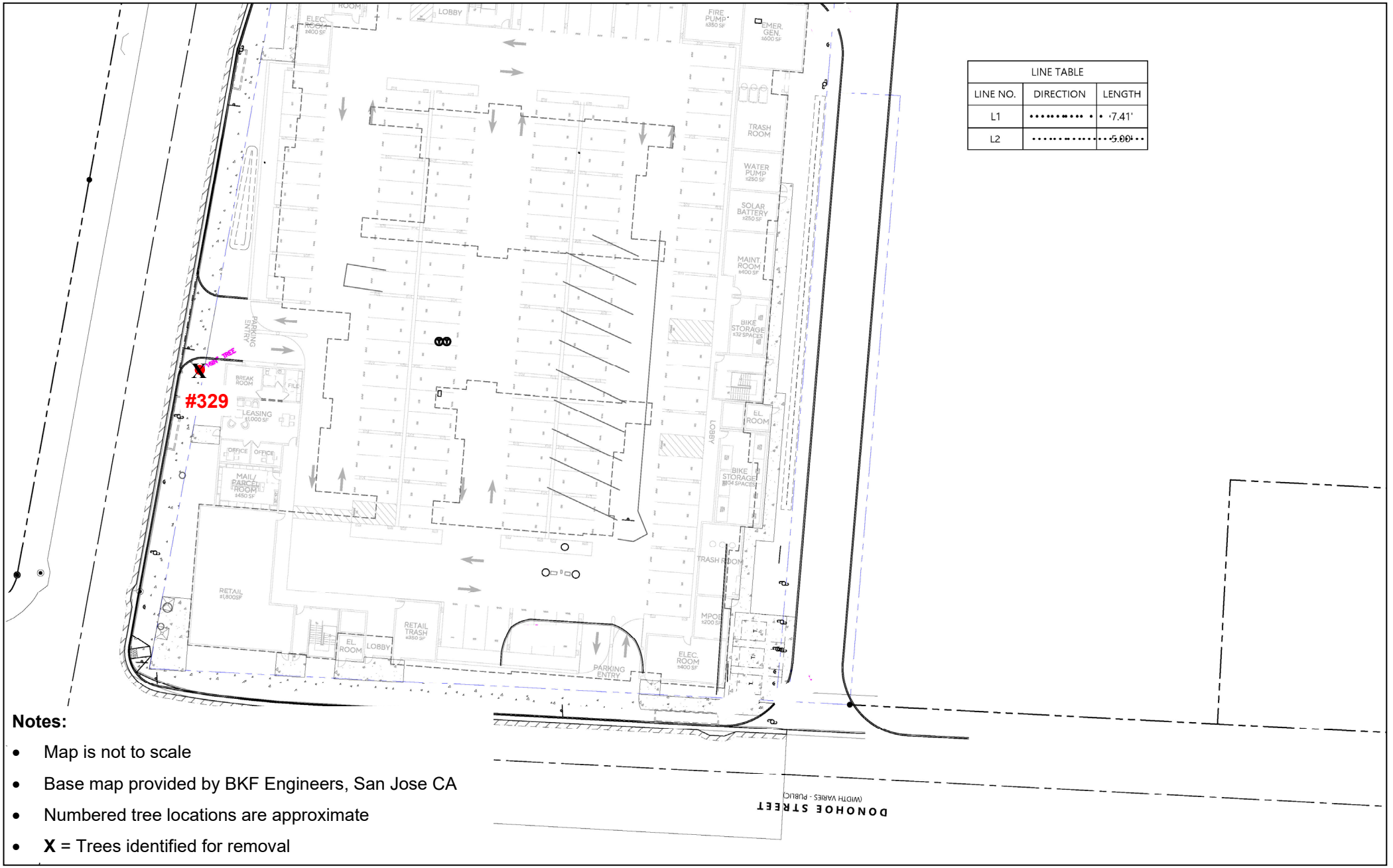
Please let me know if you have any questions regarding my observation and recommendations.

Woodreeve Consulting

John Leffingwell
Board Certified Master Arborist #WE-3966B
Registered Consulting Arborist #442

General Limitations

- My assessment of the trees is based on a visual evaluation of external conditions and defects observable from the ground. While defect-free trees do fail, especially under extreme wind loading or wind and rain, identifying trees with observable defects is a critical step in enhancing safety.
- Trees are dynamic, living entities that change over time. My assessment of the tree(s) is based on their condition at the time of my inspection. Trees should be inspected annually to monitor for changes in health and structure and following storms. Initiating these inspections is the tree owner/manager's responsibility.
- Trees require management to perform well in a giving setting. Periodic pruning, mulching, pest management and irrigation are typically required.
- Any legal description provided to the consultant is assumed to be correct.
- Care has been taken to obtain all information from reliable sources; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
- Sketches, drawings, and photographs in this report are intended for visual aids. They are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise.
- Information contained in this report covers only those items that were examined and reflects the conditions of those items at the time of inspection.
- The inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring.



Notes:

- Map is not to scale
- Base map provided by BKF Engineers, San Jose CA
- Numbered tree locations are approximate
- **X** = Trees identified for removal

Tree Location Map #1

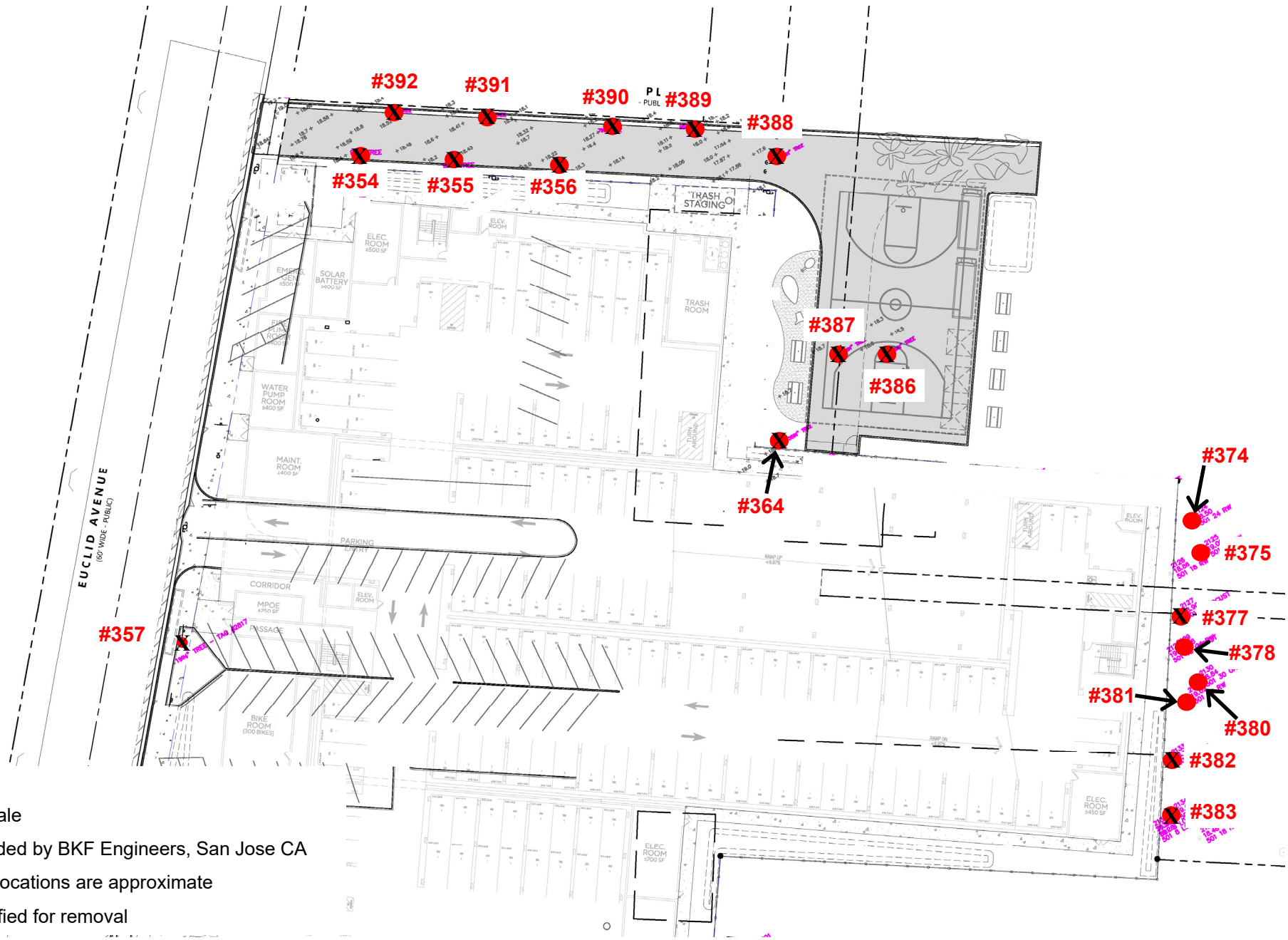
City Trees
2120-2160 Euclid Ave.
E[illegible] Palo Alto, CA

Prepared for:

Pacific West Communities, Inc.
East Palo Alto, CA

March 2026

WOODREEVE CONSULTING
5627 Telegraph Ave., Suite #385
Oakland, CA 94609—(510) 387-5241



Notes:

- Map is not to scale
- Base map provided by BKF Engineers, San Jose CA
- Numbered tree locations are approximate
- **X** = Trees identified for removal

Tree Location Map #2

City Trees
2120-2160 Euclid Ave.
East Palo Alto, CA

Prepared for:

Pacific West Communities, Inc.
East Palo Alto, CA

March 2026

WOODREEVE CONSULTING
5627 Telegraph Ave., Suite #385
Oakland, CA 94609—(510) 387-5241

HEXAGON TRANSPORTATION CONSULTANTS, INC.

2120 - 2160 Euclid Avenue Mixed-Use Development

Transportation Analysis

Prepared for:

David J. Powers & Associates, Inc.

December 6, 2024

Hexagon Transportation Consultants, Inc.

Hexagon Office: 100 Century Center Court, Suite 501

San Jose, CA 95112

Hexagon Job Number: 24MH09

Phone: 408.971.6100

Client Name: Ms. Carolyn Mogollon

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Executive Summary

This report presents the results of the transportation analysis (TA) for the proposed mixed-use affordable housing development at 2120 – 2160 Euclid Avenue in East Palo Alto, California. The site is currently occupied by the Ravenswood City School District with a total of 13 permanent and portable structures, which account for approximately 49,088 square feet (s.f.) of building space in total. The site also includes maintenance and bus yards for the school district. The project would demolish the existing structures on site and construct two five-story wrap buildings with 430 multifamily dwelling units and 2,840 square feet of retail space on a 4.086-acre lot. The project would be built in phases i.e. the southern building would be built as Phase 1 (206 units and 2,840 square feet retail space) and the northern building would be built as Phase 2 (224 units). The proposed project would have vehicular access via Euclid Avenue with two full-access driveways, one leading to the parking garage in each building, and an emergency vehicle access driveway between the two buildings.

The purpose of this transportation analysis is to satisfy the requirements of the California Environmental Quality Act (CEQA), the City of East Palo Alto, and the City/County Association of Governments of San Mateo County (C/CAG). C/CAG administers the San Mateo County Congestion Management Program (CMP). The City of East Palo Alto requires a transportation analysis be conducted to evaluate the project's impact on vehicle miles traveled (VMT) in accordance with the California Environmental Quality Act (CEQA).

Although LOS can no longer be used to identify impacts under CEQA, the City has retained the LOS standard set forth in the General Plan, continues to require an assessment of intersection levels of service, and may condition project approvals on improvements needed to maintain the adopted LOS standard and/or other operational issues related to transportation. Thus, this transportation analysis was conducted to evaluate the project's effects on nearby intersections based on the LOS standards set forth in the General Plan.

Screening for VMT Analysis

Because the proposed project would contain 100 percent affordable housing and local-serving retail uses, the project is presumed to have a less than significant transportation impact on vehicle miles traveled (VMT) per the City's adopted VMT Policy. Thus, a detailed analysis of VMT is not required.

Project Trip Generation

The magnitude of traffic added to the roadway system by the proposed residential development was estimated by applying the trip generate rates for "Affordable Housing – Income Limits - in a General Urban/Suburban area" (Land Use 223) and "Strip Retail Plaza (<40k) - in a General Urban/Suburban

area" (Land Use 822) published in the Institute of Transportation Engineers' (ITE) manual entitled *Trip Generation Manual, 11th Edition (*2019).

After applying a 40 percent TDM trip reduction to the residential trips and existing trip credits, the proposed development is expected to generate a net total of 585 daily trips with 55 net new trips during the AM peak hour and 57 net new trips during the PM peak hour.

Intersection Levels of Service

Existing Plus Project Intersection Levels of Service

The intersection level of service analysis results show that the project would have an adverse effect on seven study intersections during one or both peak hours under existing plus project conditions. Each of the recommended improvements is presented below.

4. Euclid Avenue and Donohoe Street/East Bayshore Road

Improvement: The recommended improvements include a new traffic signal at the intersection and coordination with other closely spaced traffic signals along Donohoe Street. The new traffic signal shall include appropriate pedestrian and bicycle accommodations. This includes pedestrian countdown timers, Americans with Disabilities Act (ADA) compliant curbs, and bicycle detection loops. In addition, the lane configuration on westbound Donohoe Street shall be restriped to accommodate one through lane and one right-turn lane.

5. US 101 Northbound On-Ramp/University Plaza Phase II Driveway and Donohoe Street

Improvement: The adverse effect at this intersection could be addressed by installing a new traffic signal and coordinating it with other closely spaced traffic signals along Donohoe Street. The new traffic signal shall include appropriate pedestrian and bicycle accommodations. This includes pedestrian countdown timers, ADA compliant curbs, and bicycle detection loops. Furthermore, the US 101 northbound on ramp shall be shifted approximately 30 feet to the east to align with the proposed driveway for the University Plaza Phase II site on the north side of Donohoe Street. In addition, the westbound Donohoe Street approach to the US 101 northbound on ramp shall be restriped to accommodate a short exclusive left-turn pocket (approximately 60 feet in length), a shared left/through lane, and an exclusive through lane. These improvements would require widening of the US 101 northbound on ramp to accommodate two lanes that taper down to a single lane before this ramp connects with the loop on ramp from northbound University Avenue.

In addition, improvements are also needed at the adjacent intersection of University Avenue and Donohoe Street in order to eliminate the project's adverse effect at intersections in the vicinity of the US 101/University Avenue interchange. The westbound approach on Donohoe Street shall be widened to accommodate dual left-turn lanes, one exclusive through lane, one shared through/right lane, and one exclusive right-turn lane to allow for simultaneous left-turn movements on Donohoe Street. In addition, the signal should be updated to protected left-turn phasing for the eastbound and westbound approaches. These improvements would require right-of-way acquisition along the south side of Donohoe Street between University Avenue and the US 101 northbound off ramp. The changes to the westbound approach will require modifications to the eastbound approach to ensure proper lane alignment. The eastbound approach

shall include one left turn lane and one shared through/right-turn lane. These improvements along with new traffic signals at the US 101 northbound on-ramp/Donohoe intersection and at the Euclid/Donohoe intersection would improve the overall traffic operations at intersections in the vicinity of the US 101/University Avenue interchange.

7. University Avenue and US 101 Southbound Ramps

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue and eliminate the queue spillback that extends from Donohoe Street to the US 101 southbound ramps. The Donohoe Street improvements would reduce the delay compared to existing conditions during both peak hours. No additional improvements are required to address the adverse effect at this intersection.

9. University Circle and Woodland Avenue

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue and reduce delay at the University Circle/Woodland Avenue intersection. No additional improvements are required to address adverse effect at this intersection.

10. US 101 Northbound Off Ramp and Donohoe Street

Improvement: The westbound approach on Donohoe Street at the US 101 northbound off ramp shall be widened to accommodate four through lanes to improve the vehicular throughput at this intersection. This improvement would require median modifications and narrowing the eastbound Donohoe Street approach to Cooley Avenue to include two through lanes and a full length left-turn lane. In addition, the traffic signals shall be coordinated with adjacent traffic signals on Donohoe Street.

11. Cooley Avenue and Donohoe Street

Improvement: The eastbound approach on Donohoe Street at Cooley Avenue shall be restriped to include one full length left-turn lane from the upstream intersection and two through lanes. In addition, the traffic signals shall be coordinated with adjacent traffic signals on Donohoe Street.

12. East Bayshore Road and Donohoe Street

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on Donohoe Street and cause the East Bayshore/Donohoe intersection to operate at an acceptable LOS B during both peak hours. No additional improvements are required to address adverse effect at this intersection.

Cumulative Plus Project Intersection Levels of Service

Under cumulative plus project conditions, the project would have an adverse effect on eight study intersections in the vicinity of the US 101/University Avenue interchange during one or both peak hours. Each of the proposed improvements is presented below.

4. Euclid Avenue and Donohoe Street/East Bayshore Road

Improvement: The recommended improvements include a new traffic signal at the intersection and coordination with other closely spaced traffic signals along Donohoe Street. The new traffic signal shall include appropriate pedestrian and bicycle accommodations. This includes pedestrian countdown timers, Americans with Disabilities Act (ADA) compliant curbs, and bicycle detection loops. In addition, the lane configuration on westbound Donohoe Street shall be restriped to accommodate one through lane and one right-turn lane.

5. US 101 Northbound On-Ramp/University Plaza Phase II Driveway and Donohoe Street

Improvement: The adverse effect at this intersection could be addressed by installing a new traffic signal and coordinating it with other closely spaced traffic signals along Donohoe Street. The new traffic signal shall include appropriate pedestrian and bicycle accommodations. This includes pedestrian countdown timers, ADA compliant curbs, and bicycle detection loops. Furthermore, the US 101 northbound on ramp shall be shifted approximately 30 feet to the east to align with the proposed driveway for the University Plaza Phase II site on the north side of Donohoe Street. In addition, the westbound Donohoe Street approach to the US 101 northbound on ramp shall be restriped to accommodate a short exclusive left-turn pocket (approximately 60 feet in length), a shared left/through lane, and a shared through/right lane. These improvements would require widening of the US 101 northbound on ramp to accommodate two lanes that taper down to a single lane before this ramp connects with the loop on ramp from northbound University Avenue.

6. University Avenue and Donohoe Street

Improvements: The westbound approach on Donohoe Street shall be widened to accommodate dual left-turn lanes, one exclusive through lane, one shared through/right lane, and one exclusive right-turn lane to allow for simultaneous left-turn movements on Donohoe Street. These improvements would require right-of-way acquisition along the south side of Donohoe Street between University Avenue and the US 101 northbound off ramp. The changes to the westbound approach will require modifications to the eastbound approach to ensure proper lane alignment. The eastbound approach shall include one left turn lane and one shared through/right-turn lane. The east and west legs would be converted from split phase signal operation to protected left-turn signal phasing during the PM peak hour. In addition, the inner left-turn lane on the northbound University Avenue approach shall be extended by an additional 250 feet. The northbound approach on University Avenue consists of dual left-turn lanes, with the inner left-turn lane measuring 175 feet and the outer left-turn lane measuring 125 feet. With the extension of the inner left-turn lane by an additional 250 feet, the two northbound left-turn lanes would provide for a total of 550 feet of queue storage capacity, or 22 vehicles. This additional storage would prevent left-turn queues from spilling over into the adjacent through lane and impeding the through traffic on University Avenue. The extension of the northbound left-turn lane can be accommodated within the existing right-of-way by cutting into the raised median on University Avenue. This improvement would not require any additional right-of-way acquisition or reconfiguration of the US 101 overpass.

7. University Avenue and US 101 Southbound Ramps

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue and eliminate the queue spillback that extends from Donohoe Street to the US 101 southbound ramps. The Donohoe Street improvements would reduce the delay compared to cumulative no project conditions during both peak hours. No additional improvements are required to address the adverse effect at this intersection.

8. University Avenue and Woodland Avenue

Improvements: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue, and as a result reduce the queues on Woodland Avenue. No additional improvements are required to eliminate the adverse cumulative project effect at this intersection.

9. University Circle and Woodland Avenue

Improvements: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue and as a result reduce the queues on Woodland Avenue. No additional improvements are required to eliminate the adverse cumulative project effect at this intersection.

10. US 101 Northbound Off Ramp/ University Plaza Phase I driveway and Donohoe Street

Improvement: The westbound approach on Donohoe Street at the US 101 northbound off ramp shall be widened to accommodate four through lanes to improve the vehicular throughput at this intersection. This improvement would require median modifications and narrowing the eastbound Donohoe Street approach to Cooley Avenue to include two through lanes and a full length left-turn lane. In addition, the traffic signals shall be coordinated with adjacent traffic signals on Donohoe Street.

11. Cooley Avenue and Donohoe Street

Improvement: The eastbound approach on Donohoe Street at Cooley Avenue shall be restriped to include one full length left-turn lane from the upstream intersection and two through lanes. In addition, the traffic signals shall be coordinated with adjacent traffic signals on Donohoe Street.

Freeway Ramp Queuing Analysis

Northbound US 101 On Ramp from Donohoe Street

With the proposed project, the 95th percentile queue length on the northbound US 101 On-ramp from Donohoe Street would increase slightly and continue exceeding the storage lane under both existing plus project and cumulative plus project conditions.

The proposed improvements at the US 101 northbound on-Ramp/Donohoe Street intersection include signalization of the intersection and widening of the on-ramp to accommodate two lanes that taper down to a single lane before this ramp connects with the loop on-ramp from northbound University

Avenue. The widening of the on-ramp would increase the storage length to 500 feet. However, the improvements at this intersection and at other nearby intersections on Donohoe Street would increase the capacity of the roadways in this area and would allow more traffic to reach the on-ramp, and result in longer queues. Increasing the ramp queue storage further is not feasible as it would require acquisition of additional right-of-way to widen the ramp to include another lane.

Southbound US 101 Diagonal On Ramp

Under all scenarios, the queue on the southbound US 101 diagonal on-ramp would be contained within the available storage during both the AM and PM peak hours.

Site Access and Circulation

The following recommendations were identified to address issues associated with site access, and on-site circulation, and parking.

- The speed ramps (nonparking ramps) in both garages are shown to have a maximum slope of 22% with 11% transitions on each side. Such steep ramp slopes are generally not recommended. Ramps in multi-level garages should be designed with gradual slopes to ensure driver visibility of the pavement at all times. Commonly cited parking publications recommend grades of up to 16% on ramps where no parking is permitted, but grades of up to 20% are cited as acceptable when ramps are covered (i.e. protected from weather) and not used for pedestrian walkways. In addition, both garages include parking spaces on ramps with a slope of 6.65%, which also exceeds the commonly cited parking publications recommend grades of up to 5% on ramps with parking spaces. The final garage ramp design should be reviewed and approved by the Public Works Department.
- It is recommended that the project extend the sidewalk past the project frontage along East Bayshore Road/Donohoe Street to connect to the existing paved sidewalk adjacent the gas station if the Sobrato University Plaza project has not yet completed this sidewalk segment.
- Bike parking should be provided on the ground level whenever possible. If bike parking is provided on upper levels of the garage, residents should be instructed to use the elevator with their bike and signage should be posted to indicate that bicycles are not permitted on the speed ramp.
- To ensure the exiting vehicles at the driveway of the northern building can see pedestrians on the sidewalk and vehicles approaching from the north, it is recommended to move the two bike racks just north of the driveway closer to the building.

1. Introduction

This report presents the results of the transportation analysis (TA) for the proposed mixed-use affordable housing development at 2120 – 2160 Euclid Avenue in East Palo Alto, California (see Figure 1). The site is currently occupied by the Ravenswood City School District with a total of 13 permanent and portable structures, which account for approximately 49,088 square feet (s.f.) of building space in total. The site also includes maintenance and bus yards for the school district. The project would demolish the existing structures on site and construct two five-story wrap buildings with 430 multifamily dwelling units and 2,840 square feet of retail space on a 4.086-acre lot. The project would be built in phases i.e. the southern building would be built as Phase 1 (206 units and 2,840 square feet retail space) and the northern building would be built as Phase 2 (224 units). The proposed project would have vehicular access via Euclid Avenue with two full-access driveways, one leading to the parking garage in each building, and an emergency vehicle access driveway between the two buildings. Each building would have a loading area for residents who are moving. A tempory loading/move-in area would be provided in front of each building along Euclid Avenue. The project site plan is presented in Figure 2.

Scope of Study

The purpose of this transportation analysis is to satisfy the requirements of the California Environmental Quality Act (CEQA), the City of East Palo Alto, and the City/County Association of Governments of San Mateo County (C/CAG). C/CAG administers the San Mateo County Congestion Management Program (CMP). The City of East Palo Alto requires a transportation analysis be conducted to evaluate the project's impact on vehicle miles traveled (VMT) in accordance with the California Environmental Quality Act (CEQA). However, per the City's Policy, the project shall be presumed to have a less-than-significant transportation impact on VMT because it contains 100 percent affordable housing and local-serving retail uses. Thus, the project meets the City's VMT screening criteria and is not required to conduct a VMT analysis.

Although LOS can no longer be used to identify impacts under CEQA, the City has retained the LOS standard set forth in the General Plan, continues to require an assessment of intersection levels of service, and may condition project approvals on improvements needed to maintain the adopted LOS standard and/or other operational issues related to transportation. Thus, a local transportation analysis was conducted to evaluate the project's effects on nearby intersections based on the LOS standards set forth in the General Plan.

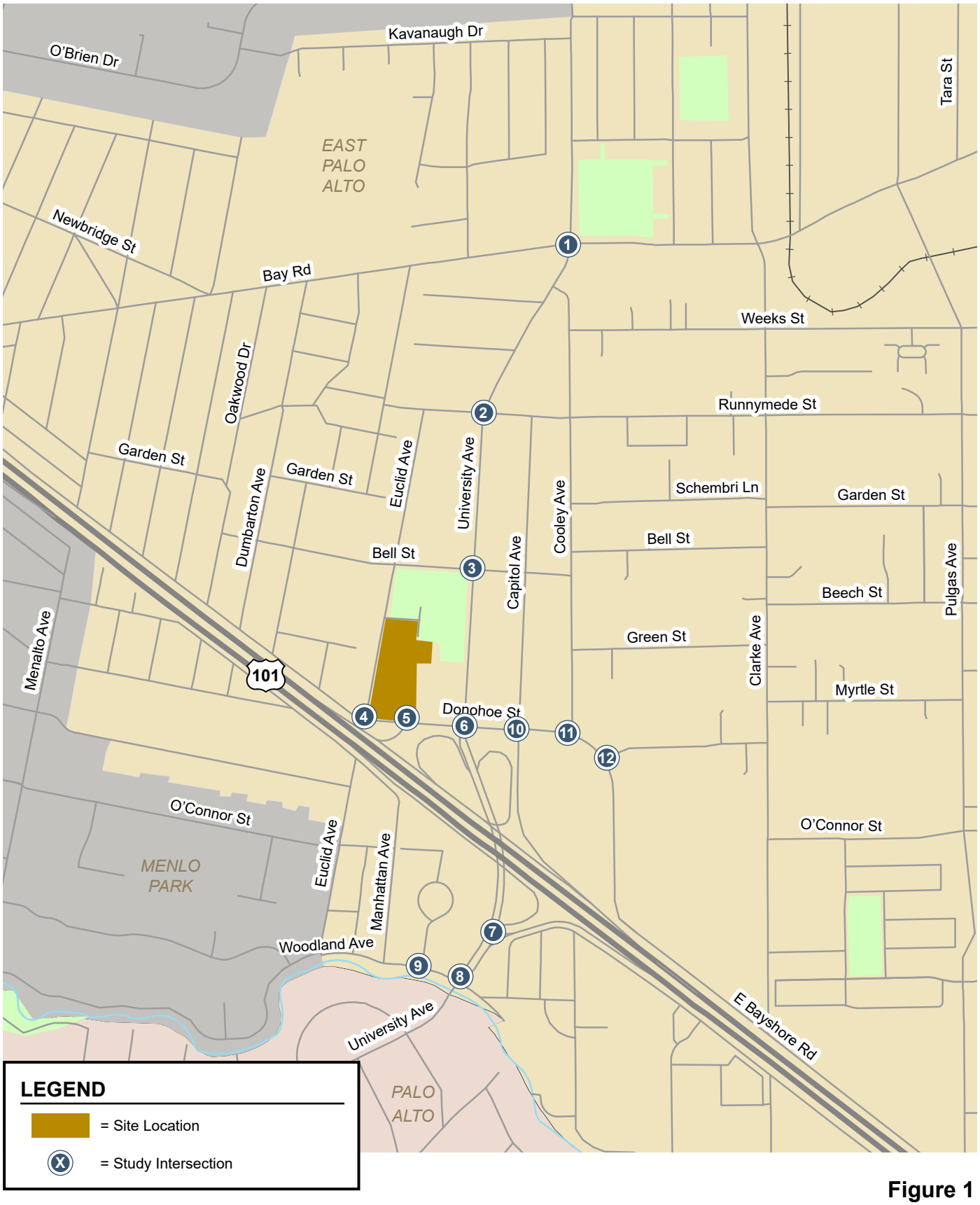


Figure 1
Site Location and Study Intersections

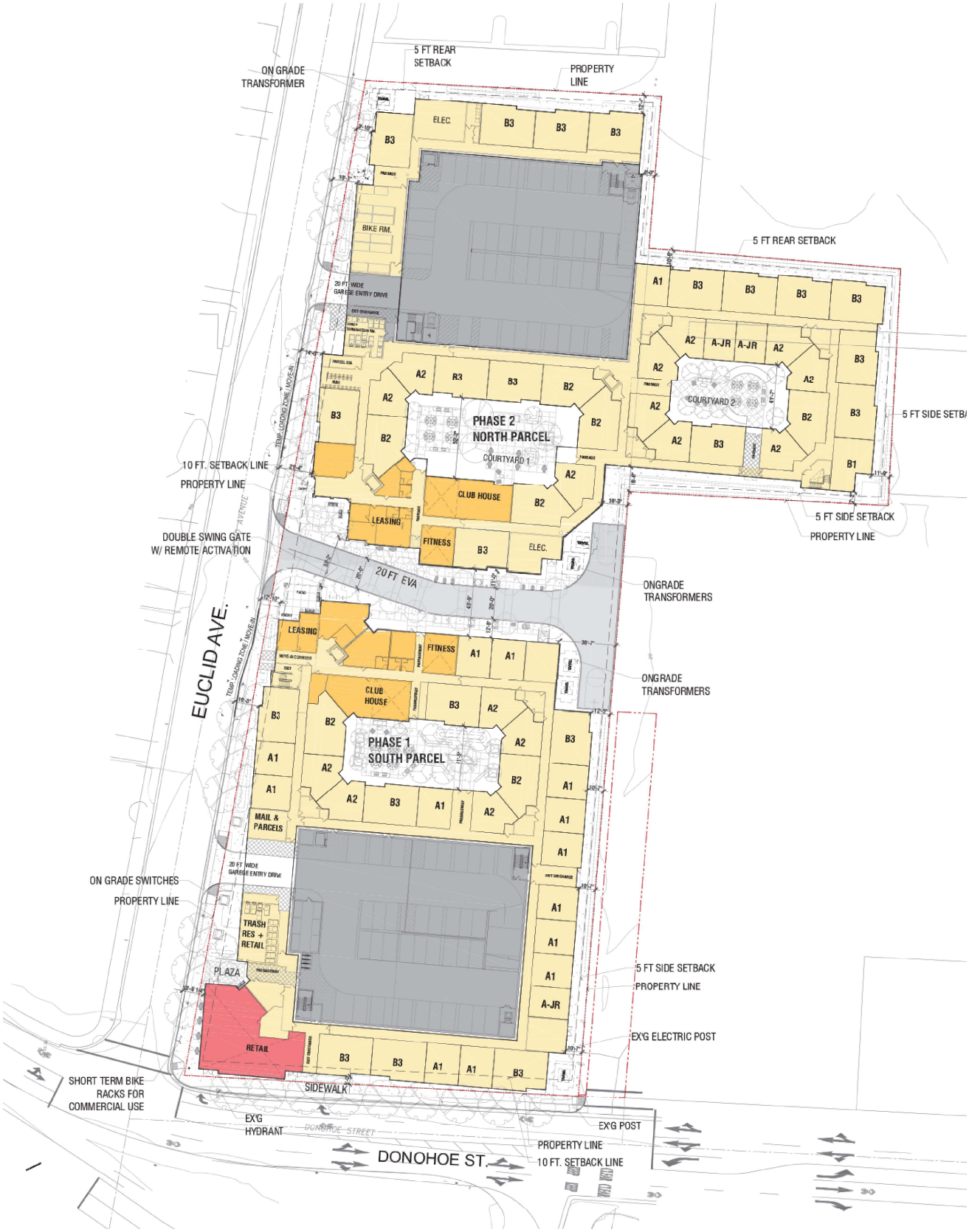


Figure 2
Proposed Project Site Plan

The local traffic analysis includes an analysis of weekday AM and PM peak-hour traffic conditions and identifies the traffic effects of the proposed mixed-use development on the key intersections and freeway ramps in the vicinity of the site. Based on the estimated project trip generation, the transportation analysis evaluates the following 12 key study intersections in the vicinity of the project site.

Study Intersections

- University Avenue and Bay Road
- University Avenue and Runnymede Street
- University Avenue and Bell Street
- Euclid Avenue and East Bayshore Road/Donohoe Street (unsignalized)*
- US 101 Northbound On-Ramp/Sobrato driveway (future) and Donohoe Street (unsignalized)*
- University Avenue (SR 109) and Donohoe Street*
- University Avenue and US 101 Southbound Ramps*
- University Avenue and Woodland Avenue*
- University Circle and Woodland Avenue*
- US 101 Northbound Off Ramp/University Plaza driveway and Donohoe Street*
- Cooley Avenue and Donohoe Street*
- East Bayshore Road and Donohoe Street*

Traffic conditions at the intersections were analyzed for the weekday AM and PM peak hours of traffic. The AM peak hour of traffic is between 7:00 and 9:00 AM, and the PM peak hour is between 4:00 and 6:00 PM. It is during these periods that the most congested traffic conditions occur on an average day.

Per CMP technical guidelines, an analysis of freeway segment level of service is required for all segments to which the project is expected to add one percent or more to the segment capacity. Given that the number of project trips added to the freeways in the area is estimated to be less than the one percent threshold of freeway capacity, a detailed analysis of freeway segment levels of service was not performed. However, an analysis of on-ramp queues at the US 101/University Avenue interchange was conducted.

Freeway Ramps

- US 101 Northbound On-ramp from University Avenue
- US 101 Southbound On-ramp from University Avenue

Traffic conditions were evaluated for the following scenarios:

Scenario 1: ***Existing Conditions***. Existing intersection levels of service were obtained from the Ravenswood Specific Plan Update Transportation Analysis. Because the Ravenswood simulation used an older version of the Synchro/SimTraffic software, the simulation of existing conditions was rerun using the latest version (version 12).

Scenario 2: ***Existing Plus Project Conditions*****.** Existing plus project traffic volumes were estimated by adding to existing traffic volumes the net project trips associated with the proposed project.

Scenario 3: ***2040 Cumulative No Project Conditions.*** Cumulative conditions represent future traffic volumes with all foreseeable development expected to occur by the year 2040 on the future transportation network. Cumulative traffic volumes were based on cumulative traffic projections developed for the Ravenswood Specific Plan Update 3.35M s.f. option without Loop Road.

Scenario 4: ***2040 Cumulative Plus Project Conditions.*** The trips associated with the proposed project were added to the cumulative traffic projections developed for Ravenswood Specific Plan Update to obtain traffic volumes for cumulative plus project conditions. Cumulative plus project conditions were evaluated relative to cumulative no project conditions in order to determine potential adverse effects.

Intersection Operations Analysis Methodology

This section presents the methods used to determine the traffic conditions at the study intersections and the potential adverse operational effects due to the project. It includes descriptions of the data requirements, the analysis methodologies, the applicable intersection level of service standards, and the criteria used to determine adverse effects on intersection operations.

Data Requirements

The data required for the analysis were obtained from Ravenswood Specific Plan Update, which includes the following data:

- Existing traffic, bicycle, and pedestrian volumes
- Existing intersection lane configurations
- Existing signal timing and phasing
- Cumulative traffic volumes

Analysis Methodologies and Level of Service Standards

Traffic conditions were evaluated using level of service (LOS). *Level of Service* is a qualitative description of operating conditions ranging from LOS A, or free-flow conditions with little or no delay, to LOS F, or forced-flow conditions with extreme delays. The City of East Palo Alto level of service standard for all intersections is LOS D or better.

Microscopic Simulation of Study Intersections

Due to the close proximity of selected study intersections, nine study intersections denoted by an asterisk (*) in the vicinity of the US 101/University Avenue interchange were analyzed using the Synchro/SimTraffic 12 software. Unlike macroscopic models of isolated intersection operations such as the *Highway Capacity Manual* (HCM) methodology, SimTraffic is a microscopic model that measures the full impact of queuing and blocking. This software also provides a visual animation of the traffic operations. Simulated delay values were correlated to the level of service definitions set forth in the *2000 Highway Capacity Manual* (HCM) methodology.

Signalized Intersections

The signalized study intersections were evaluated using the TRAFFIX software based on the *2000 Highway Capacity Manual (HCM)* methodology. The *2000 HCM* evaluates signalized intersection operations on the basis of average control delay time for all vehicles at the intersection. Table 1 shows the level of service definitions for signalized intersections.

Table 1
Signalized Intersection Level of Service Definitions Based on Control Delay

Level of Service	Description	Average Control Delay Per Vehicle (sec.)
A	Signal progression is extremely favorable. Most vehicles arrive during the green phase and do not stop at all. Short cycle lengths may also contribute to the very low vehicle delay.	10.0 or less
B	Operations characterized by good signal progression and/or short cycle lengths. More vehicles stop that with LOS A, causing higher levels of average vehicle delay.	10.1 to 20.0
C	Higher delays may result from fair signal progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant, though some vehicles may still pass through the intersection without stopping.	20.1 to 35.0
D	The influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable signal progression, long cycle lengths, or high volume-to-capacity (V/C) ratios. Many vehicles stop and individual cycle failures are noticeable.	35.1 to 55.0
E	This is considered to the be the limit of acceptable delay. These high delays values generally indicated poor signal progression, long cycle lengths, and high volume-to-capacity (V/C) ratios. Individual cycle failures occur frequently.	55.1 to 80.0
F	This level of delay is considered unacceptable by most drivers. This condition often occurs with oversaturation, that is, when arrival flow rates exceed the capacity of the intersection. Poor progression and long cycle lengths may also be major contributing causes of such delay levels.	Greater than 80.0

Source: Transportation Research Board, *Highway Capacity Manual 7th Edition,* (Washington, D.C., 2023).

Unsignalized Intersections

Peak-hour levels of motor vehicle delay at the stop-controlled study intersections were derived from the Synchro/SimTraffic 12 software and correlated to the level of service definitions set forth in Chapter 17 of the *2000 HCM*. Operations of unsignalized intersections are defined by the average control delay per vehicle (measured in seconds) for each movement that must yield the right-of-way. For all-way stop-controlled intersections, the reported delay (and LOS) is the average for all movements. Table 2 summarizes the relationship between average control delay per vehicle and LOS for stop-controlled intersections.

Table 2
Unsignalized Intersection Level of Service Definitions Based on Average Delay

Level of Service	Description	Average Delay Per Vehicle (sec.)
A	Little or no traffic delay	10.0 or less
B	Short traffic delays	10.1 to 15.0
C	Average traffic delays	15.1 to 25.0
D	Long traffic delays	25.1 to 35.0
E	Very long traffic delays	35.1 to 50.0
F	Extreme traffic delays	greater than 50.0

Source: Transportation Research Board, Highway Capacity Manual 7th Edition, (Washington, D.C., 2023).

The unsignalized study intersections were also analyzed on the basis of the Peak-Hour Volume Warrant (Warrant 3) described in the *California Manual on Uniform Traffic Control Devices for Streets and Highways (CA MUTCD)*, Part 4, Highway Traffic Signals, 2014. This method provides an indication of whether traffic conditions and peak-hour traffic levels are, or would be, sufficient to justify installation of a traffic signal. Note that this is just one tool used to evaluate whether installation of a traffic signal would be justified. Additional analysis may include evaluation of vehicle queuing and delay. Other types of traffic control devices, signage, or geometric changes may be preferable based on existing field conditions. Ultimately, the City's professional engineering judgment will be used in the final determination of traffic control devices and improvements.

City of East Palo Alto Definition of Adverse Intersection Effects

The City of East Palo Alto assesses motor vehicle delays using a level of service standard of LOS D for intersections. Specifically, an adverse effect on intersection operations would occur at an intersection if for any peak hour the project would result in any of the following:

At a signalized intersection, the project is considered to have an adverse effect if it:

a) Causes operations to degrade from LOS D (or better) to LOS E or F; or

b) Exacerbates LOS E or F conditions by both increasing critical movement delay by four or more seconds and increasing volume-to-capacity ratio (V/C ratio) by 0.01 at an intersection evaluated using the TRAFFIX software; or

c) Exacerbates LOS E or F conditions by increasing the average intersection delay by four or more seconds at an intersection evaluated using the SimTraffic software; or

d) Increases the V/C ratio by > 0.01 at an intersection that exhibits unacceptable operations, even if the calculated LOS is acceptable.

At an unsignalized intersection, the project is considered to have an adverse effect if it:

a) Causes operations to degrade from LOS D or better to LOS E or F; or

b) Exacerbates LOS E or F conditions by increasing control delay by five or more seconds; and

c) Causes volumes under project conditions to exceed the Caltrans Peak-Hour Volume Warrant Criteria.

Queuing Analysis

The queuing analysis is used to determine the appropriate storage lengths for the high demand turn lanes where the project would add a substantial number of trips to these movements. Vehicle queues were estimated using a Poisson probability distribution, which estimates the probability of "n" vehicles for a vehicle movement using the following formula:

$$\text{Probability } (X=n) = \frac{\lambda^n e^{-(\lambda)}}{n!}$$

Where:

Probability (X=n) = probability of "n" vehicles in queue per lane

n = number of vehicles in the queue per lane

λ = Average number of vehicles in queue per lane (vehicles per hour per lane/signal cycles per hour)

The basis of the analysis is as follows: (1) the Poisson probability distribution is used to estimate the 95th percentile maximum number of queued vehicles per signal cycle for a particular movement; (2) the estimated maximum number of vehicles in the queue is translated into a queue length, assuming 25 feet per vehicle; and (3) the estimated maximum queue length is compared to the existing or planned available storage capacity for the movement. This analysis thus provides a basis for estimating future storage requirements at intersections.

The 95th percentile queue length value indicates that during the peak hour, a queue of this length or less would occur on 95 percent of the signal cycles. Or a queue length larger than the 95th percentile queue would only occur on 5 percent of the signal cycles (about 3 cycles during the peak hour for a signal with a 60-second cycle length). Therefore, left-turn storage pocket designs based on the 95th percentile queue length would ensure that storage space would be exceeded only 5 percent of the time. The 95th percentile queue length is also known as the "design queue length."

Report Organization

This report has a total of three chapters. Chapter 2 describes existing conditions, including the existing roadway network, transit service, bicycle and pedestrian facilities, and intersection operations. Chapter 3 describes the local transportation analysis including operations of study intersections, the methods used to estimate project-generated traffic, the project's effect on the transportation system, and an analysis of other transportation issues including site access, on-site circulation, vehicle queuing, and potential project impacts on bicycle, pedestrian, and transit facilities.

2. Existing Conditions

This chapter describes the existing conditions for all of the major transportation facilities in the vicinity of the site, including the roadway network, transit service, and bicycle and pedestrian facilities. The effect of project traffic on existing intersection operations is analyzed as part of the Local Transportation Analysis (Chapter 3).

Existing Roadway Network

Regional access to the project site is provided by US 101.

US 101 is a north-south freeway in the vicinity of the site. US 101 extends northward through San Francisco and southward through San Jose. Within East Palo Alto, US 101 has three general-purpose travel lanes, one high-occupancy vehicle (HOV) lane, and one auxiliary lane in each direction. Access to and from the project study area is provided via the interchange at University Avenue.

Local access to the project site is provided via University Avenue, East Bayshore Road, Donohoe Street, and Euclid Avenue. These facilities are described below.

University Avenue (SR 109) is a north-south major thoroughfare that extends from Stanford University in Palo Alto to Bayfront Expressway just north of the City of East Palo Alto. North of Notre Dame Avenue, University Avenue is a state route with a posted speed limit of 35 mph. South of Notre Dame Avenue, University Avenue is under the jurisdiction of the City of East Palo Alto. Within East Palo Alto, University Avenue is a four-lane divided roadway with a posted speed limit of 25 mph. South of Bay Road, University Avenue has continuous sidewalks on both sides of the street. Between Bay Road and Purdue Avenue, University Avenue has a sidewalk on only the east side of the street. Bike lanes exist on University Avenue starting just north of Donohoe Street and extending to the SP railroad. Between the railroad and Bayfront Expressway, there is a bike lane on the west side of University Avenue and a separate bikeway on the east side of University Avenue. On-street parking is prohibited in the vicinity of the project site.

East Bayshore Road is a two-lane east-west frontage road with two disjointed segments directly north of and parallel to US 101. East Bayshore Road extends southward from Saratoga Avenue near Willow Road to Euclid Avenue, where it becomes Donohoe Street. West of Euclid Avenue, no sidewalks are available along either side of East Bayshore Road. In the vicinity of the project site, East Bayshore Road is a designated bike route with on-street parking allowed on the north side of the street. East of University Avenue, East Bayshore Road extends southward from Donohoe Street to San Antonio Road.

East Bayshore Road is classified as a connector street and has a posted speed limit of 25 mph. East Bayshore Road provides access to the project site via Euclid Avenue.

Donohoe Street is an east-west major thoroughfare that extends from Euclid Avenue in the west to Clarke Avenue in the east. The posted speed limit is 25 mph. Sidewalks are provided along both sides of the street east of University Avenue. On street parking is permitted along the north side of the street between East Bayshore Road and Clarke Avenue. There are no sidewalks or on-street parking west of University Avenue except for a short sidewalk segment adjacent to the gas station on the northwest corner of the University/Donohoe intersection. Donohoe Street provides access to the project site via Euclid Avenue.

Euclid Avenue is a north-south street with one travel lane and on-street parking in each direction. The segment north of US 101 functions as a collector street and extends from East Bayshore Road in the south to Runnymede Street in the north. Sidewalks exist along both sides of the street. Parking is permitted along most of the street. The segment south of US 101 functions as a local street and designated bike route and extends from Woodland Avenue in the south to West Bayshore Road in the north. Euclid Avenue has a prima facie speed limit of 25 mph and has four speed humps between East Bayshore Road and Runnymede Street. It would provide direct access to the project site via two garage driveways and one emergency driveway.

Existing Bicycle Facilities

Bicycle facilities in the vicinity of the project site include bike/pedestrian paths, bike lanes, and bike routes. Bike/pedestrian paths (Class I facilities) are off-street paths with exclusive right-of-way for non-motorized transportation used for commuting as well as recreation. Bike lanes (Class II facilities) are lanes on roadways designated for use by bicycles with special lane markings, pavement legends, and signage. Bike routes (Class III) are existing rights-of-way that accommodate bicycles but are not separate from the existing travel lanes. The existing bicycle facilities within the study area are described below and are shown on Figure 3.

Within the immediate project vicinity, striped bike lanes are present on University Avenue, north of Donohoe Street and south of Woodland Avenue. Oakwood Drive between East Bayshore Road and Garden Street, Dumbarton Avenue between East Bayshore Road and Bell Street, and Runnymede Street between University Avenue and Pulgas Avenue are marked as bike routes within one half-mile of the project site. Although bicycle facilities in the project area are limited, there are many local residential streets that carry low traffic volumes and are conducive to bicyclists.

Bicycle counts at the study intersections conducted prior to the pandemic determined that bicycle volumes at all study intersections are quite low.

Existing Pedestrian Facilities

The pedestrian facilities within the study area include sidewalks and striped crosswalks at major intersections. In the immediate project vicinity, sidewalks are present on both sides of Euclid Avenue, University Avenue, Bell Street, and Donohoe Street east of University Avenue. A short sidewalk segment is present on the north side of Donohoe Street adjacent to the gas station on the northwest corner of the University/Donohoe intersection. Along the project frontage on the north side of Donohoe Street there is an unpaved sidewalk that extends to Euclid Avenue. The sidewalk is missing on the south side of Donohoe Street between Euclid Avenue and University Avenue, both sides of E. Bayshore Road and on many local streets near the project. The project proposes a 6-foot-wide detached sidewalk with a landscaped buffer along the project frontage on Euclid Avenue and Donohoe Street.

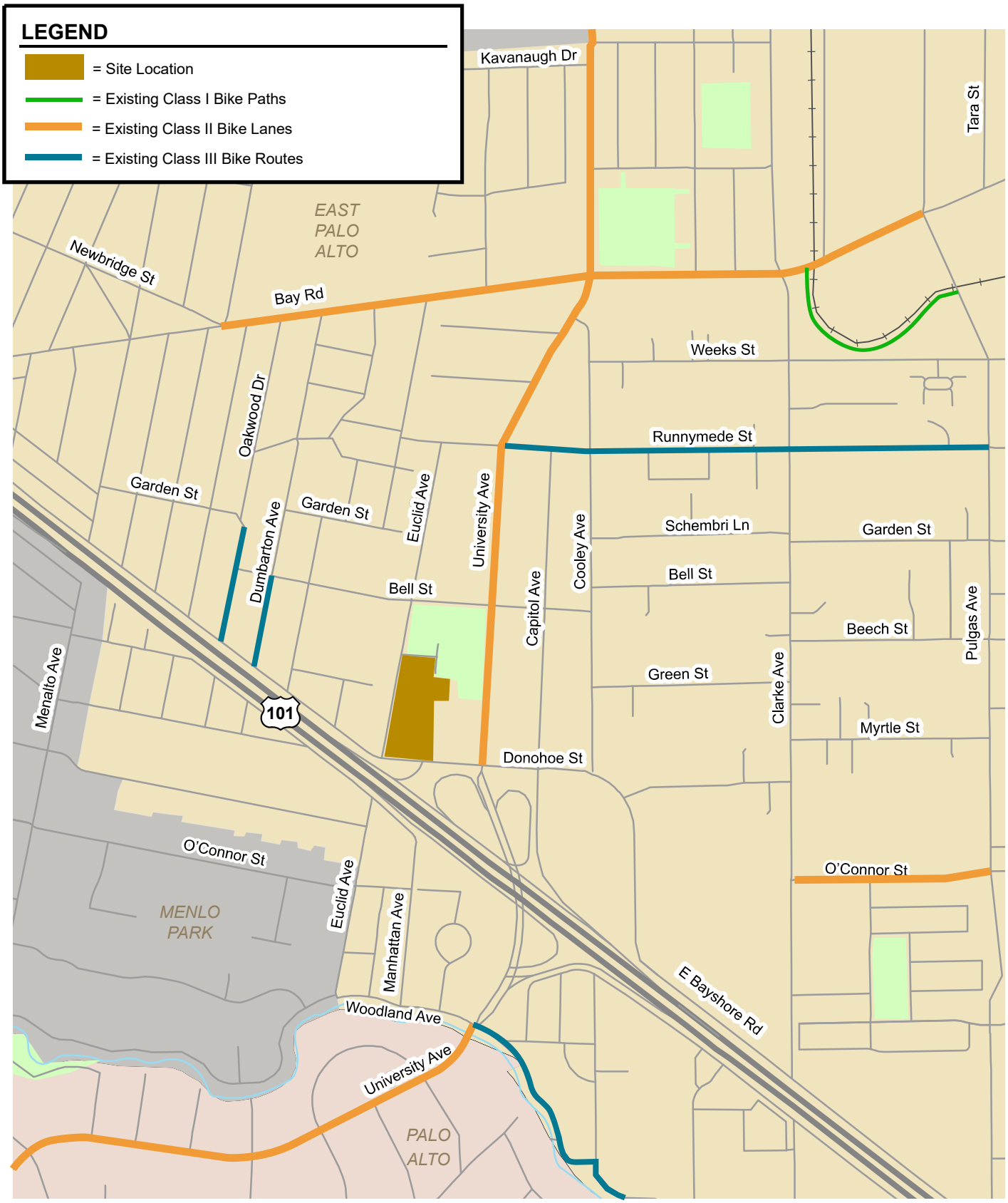


Figure 3
Existing Bicycle Facilities

The intersection of University Avenue and Donohoe Street has marked crosswalks on all but the south leg and the intersection of University Avenue and Bell Street has marked crosswalks with curb extensions on all four legs. Crosswalks are missing at unsignalized intersections near the project site including the intersection of Donohoe Street and Euclid Avenue and the intersection of Bell Street and Euclid Avenue. However, the Bell Street/Euclid Avenue intersection does have curb extensions at three corners of the intersection.

Existing Transit Services

Existing bus service to the study area is provided by the San Mateo County Transit District (SamTrans). SamTrans provides bus service within East Palo Alto and throughout San Mateo County. The closest bus stops to the project site are located at University Avenue and Donohoe Street and serve SamTrans Routes 81, 281, 296 OWL, and 397. There is also a bus stop serving Route 280 on Donohoe Street east of the US 101 Northbound On-Ramp, approximately 600 feet east of the project site, and a bus stop serving Route 296 on East Bayshore Road approximately one third of a mile east of the project site. Access between these bus stops and the project site is provided via sidewalks located along the north side of Donohoe Street between Euclid Avenue and University Avenue, along both sides of University Avenue, and along both sides of Donohoe Street east of University Avenue. Portions of the sidewalk along the north side of Donohoe Street between Euclid Avenue and University Avenue are unpaved. The sidewalk along the project frontage would be re-built with the development of the project. The sidewalk segment immediately east of the project site is to be rebuilt as part of the approved University Plaza Phase II development, however the timeframe of this adjacent development is unknown. There is no sidewalk on the south side of Donohoe Street between Euclid Avenue and University Avenue. The existing SamTrans service in the project vicinity is described below and shown on Figure 4.

SamTrans Route 81. Route 81 is a school-oriented route that provides service between various neighborhoods in East Palo Alto, Menlo Park, and Atherton. There is one westbound run at the University Avenue/Donhoe Street stop in the morning and one eastbound run in the afternoon.

SamTrans Route 281. Route 281 is a school-oriented route that provides service between the Belle Haven Community Campus and Stanford with 20-minute headways during the weekday hours between 5:55 AM and 10:53 PM. Within the project's vicinity, Route 281 operates along University Avenue.

SamTrans Route 280. Route 280 operates between the Palo Alto Transit Center and the University Village neighborhood with 60 to 90-minute headways during the weekday hours of 5:29 AM to 10:49 PM. Within the project's vicinity, Route 280 operates along Donohoe Street.

SamTrans Route 296. Route 296 operates between Redwood City Transit Center and the University Village neighborhood with 15-minute headways during the weekday hours of 5:15 AM to 10:44 PM. Within the project's vicinity, Route 296 operates along Donohoe Street.

SamTrans Route 296 OWL. Route 296 OWL provides overnight service between the Redwood City Transit Center and the Palo Alto Transit Center. On weekdays, there are four northbound trips between 10:50 PM and 5:18 AM and six southbound trips between 10:00 PM and 2:11 AM. Within the project vicinity, Route 296 OWL operates along University Avenue.

SamTrans Route 397. Route 397 provides overnight service between San Francisco and the Palo Alto Transit Center with three northbound runs between 1:04 AM and 5:04 AM and four southbound runs between 3:22 AM and 4:45 AM. Within the project vicinity, Route 397 operates along University Avenue.

Figure 4
Existing Transit Services

Existing Lane Configurations and Traffic Volumes

The existing intersection lane configurations (see Figure 5) and existing traffic volumes (see Figure 6) were obtained from the Ravenswood Specific Plan Update transportation analysis. The volumes for all study scenarios are included in Appendix A.

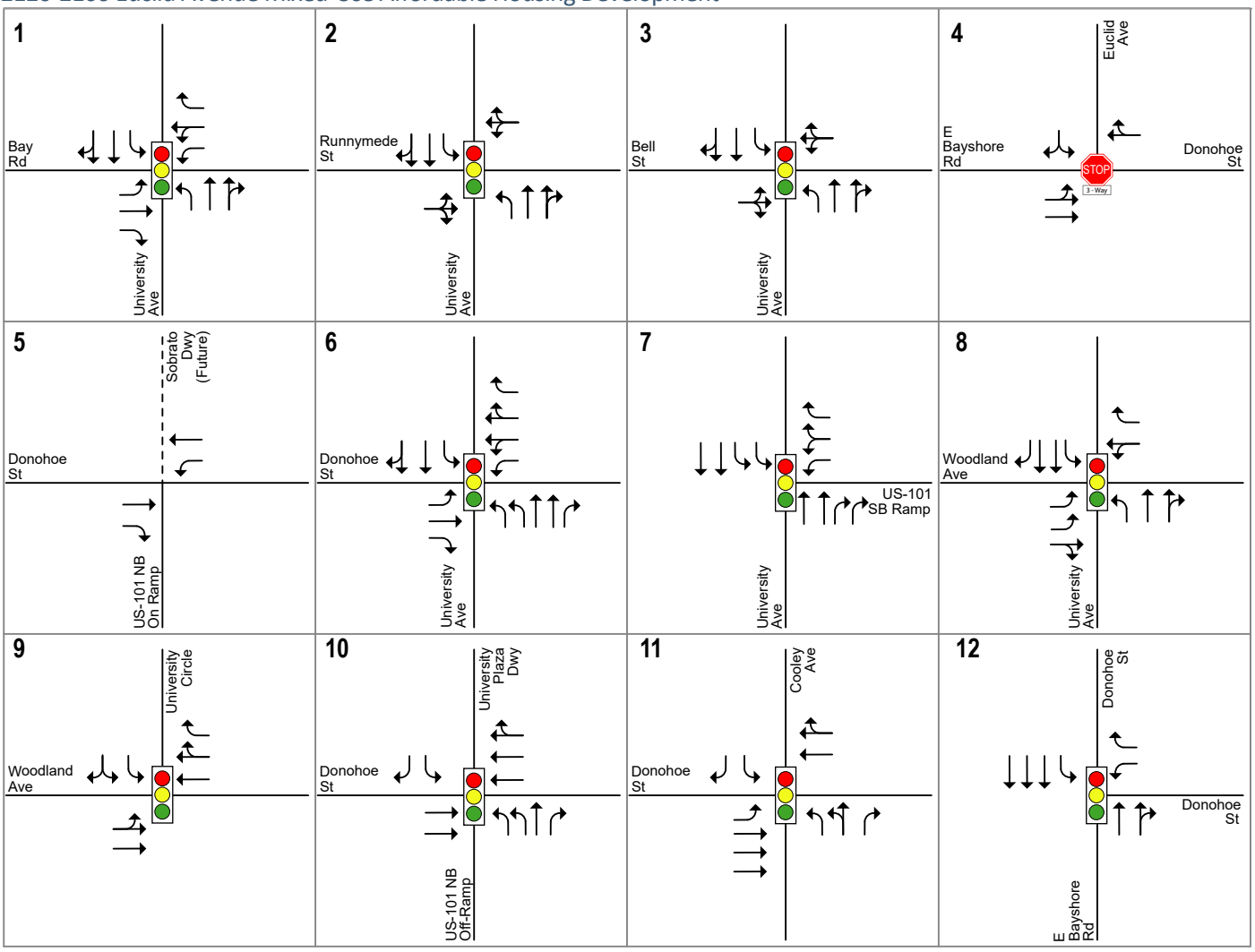


Figure 5
Existing Intersection Lane Configurations

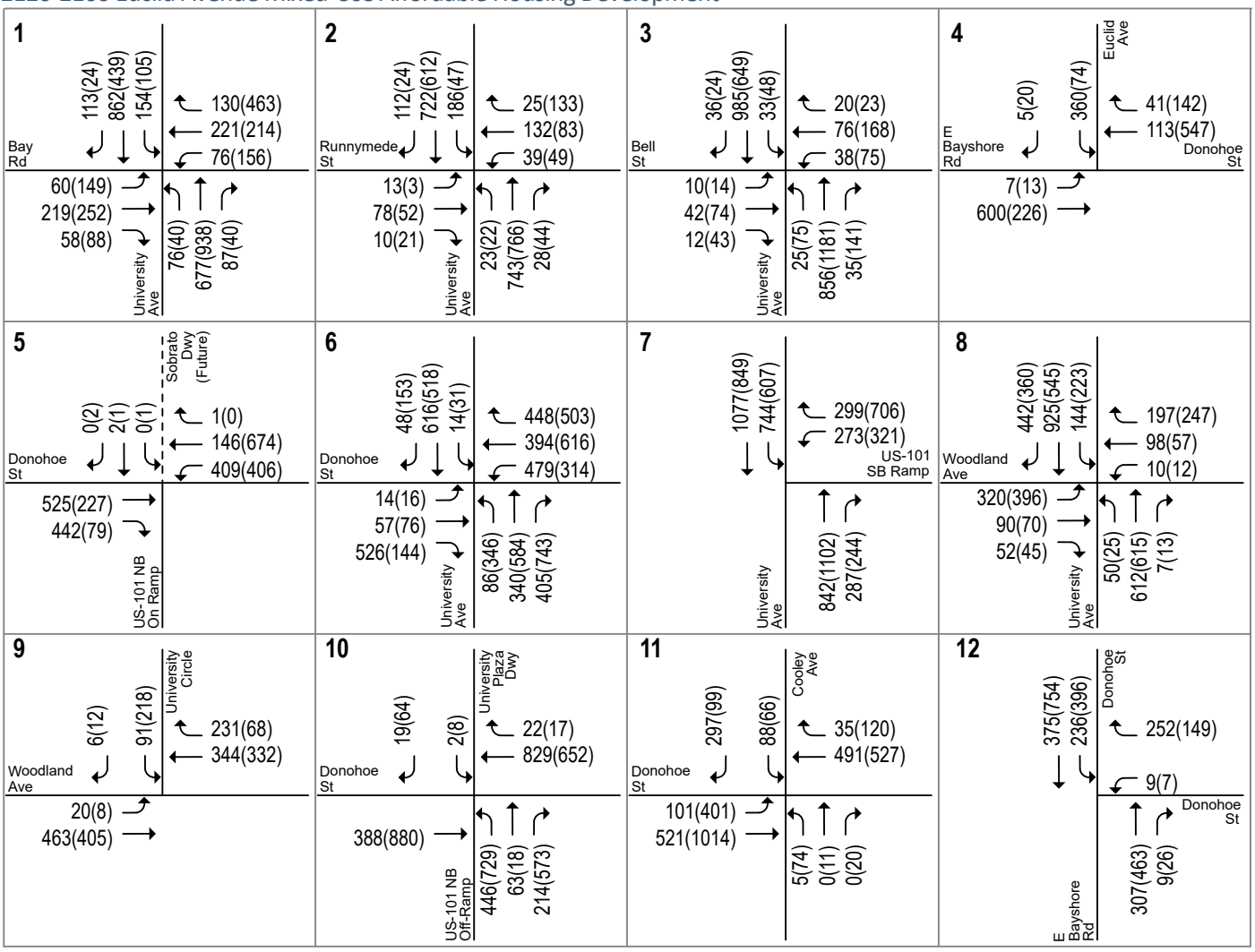


Figure 6
Existing Traffic Volumes

3.
Local Transportation Analysis

This chapter describes the local transportation analysis including the method by which project traffic is estimated, any adverse effects to intersection levels of service caused by the project under existing and cumulative conditions, a vehicle queuing analysis, site access review, effects on bicycle, pedestrian, and transit facilities, and parking.

Intersection Operations Analysis

The intersection operations analysis is intended to quantify the operations of the study intersections and to identify potential adverse effects due to the addition of project traffic. Information required for the intersection operations analysis related to project trip generation, trip distribution, and trip assignment are presented in this section. The study intersections are evaluated based on the City's intersection analysis methodology and standards in determining potential adverse operational effects due to the project, as described in Chapter 1.

Project Trip Estimates

The magnitude of traffic produced by a new development and the locations where that traffic would appear are estimated using a three-step process: 1) trip generation, 2) trip distribution, and 3) trip assignment. In determining project trip generation, the magnitude of traffic entering and exiting the site is estimated for the AM and PM peak hours. As part of the project trip distribution, an estimate is made of the directions to and from which the project trips would travel. In the project trip assignment, the project trips are assigned to specific streets and intersections. These procedures are described below.

Trip Generation

Through empirical research, data have been collected that quantify the amount of traffic produced by common land uses. Thus, for the most common land uses there are standard trip generation rates that can be applied to help predict the future traffic increases that would result from a new development. The magnitude of traffic added to the roadway system by a particular development is estimated by multiplying the applicable trip generation rates by the size of the development. For the proposed residential development, the trip generation rates published in the Institute of Transportation Engineers' (ITE) manual entitled *Trip Generation Manual, 11th Edition (*2019) for "Affordable Housing – Income Limits - in a General Urban/Suburban area" (Land Use 223) were used. For the proposed retail spaces, the ITE trip generation rates published for "Strip Retail Plaza (<40k) - in a General Urban/Suburban area" (Land Use 822) were used. To ensure a conservative analysis, the internalization and pass-by

reductions for the proposed retail spaces were not applied, as the retail component is expected to generate only a small number of peak-hour trips.

The City of East Palo Alto requires new nonresidential developments greater than 10,000 square feet and new residential developments with 10 or more units to implement a Transportation Demand Management (TDM) program that achieves a 40 percent daily trip reduction from ITE trip estimates. The proposed project would construct 430 affordable units and 2,840 s.f. or retail space; therefore, only the residential use would be subject to the TDM requirements expressed in the City's Code (Municipal Code Section 10.32.040).

The project would receive credit for trips generated by the existing uses on the site. Currently, the project site is occupied by the Ravenswood City School District with a total of 13 permanent and portable structures, which account for approximately 49,088 s.f. of building space in total. Trips generated by the existing uses were estimated for each program and/or use currently on site based on information provided by the Ravenswood City School District.

After applying the TDM trip reduction and existing trip credits, the proposed mixed-use development is expected to generate a net total of 585 daily trips with 55 net new trips during the AM peak hour and 57 net new trips during the PM peak hour (see Table 3).

Trip Distribution and Assignment

The trip distribution pattern for the proposed project was estimated based on existing travel patterns on the surrounding roadway system and the locations of complementary land uses. The project trip distribution pattern is shown on Figure 7. The project trips were assigned to the roadway network based on the directions of approach and departure, the roadway network connections, and the location of project driveways. Figure 8 presents the assignment of the net project trips at the study intersections.

Table 3
Project Trip Generation Estimates

Land Use	Size	Daily Rate	Daily Trips	AM Peak Hour Rate	AM Peak Hour Trips In	AM Peak Hour Trips Out	AM Peak Hour Trips Total	PM Peak Hour Rate	PM Peak Hour Trips In	PM Peak Hour Trips Out	PM Peak Hour Trips Total
Proposed											
Affordable Housing [1]	430 d.u.	4.81	2,068	0.50	62	153	215	0.46	117	81	198
40% TDM Reductions			*(827)*		*(25)*	*(61)*	*(86)*		*(47)*	*(32)*	*(79)*
Retail [2]	2,840 s.f.	54.45	155	2.36	4	3	7	6.59	10	9	19
Proposed Total			**1,395**		**41**	**95**	**136**		**80**	**58**	**138**
Existing [3]											
30 full-time office employees [4]					(30)		(30)			(30)	(30)
4 school bus drivers [5]					(4)		(4)		(4)		(4)
8-10 van drivers [6]					(9)		(9)		(9)		(9)
Maintenance team (6 positions) [7]					(6)		(6)			(6)	(6)
Tech team (4 positions) [8]					(4)		(4)			(4)	(4)
WIC Program (Employees & Visitors) [9]					(5)	(3)	(8)		(3)	(5)	(8)
Registration and special education services [10]					(10)	(10)	(20)		(10)	(10)	(20)
Existing Total			**(810)**		**(68)**	**(13)**	**(81)**		**(26)**	**(55)**	**(81)**
Net Project Trips			**585**		**(27)**	**82**	**55**		**54**	**3**	**57**

Notes

d.u. = dwelling units

[1] Trip generations rates for the proposed residential development are based on the ITE's *Trip Generation Manual, 11th Edition* rates for Land Use Code Land Use Code 223 (Affordable Housing - Income Limits) in a General Urban/Suburban

[2] Trip generation rates for the proposed retail space are based the ITE's *Trip Generation Manual, 11th Edition* rates for Land Use Code 822 - Strip Retail Plaza (<40k) in a General Urban/Suburban area.

[3] Trips generated by the existing uses are estimated based on the operations of the existing uses currently on site provided by Ravenswood School District Office on 10/23/2024. Existing daily trip generation is estimated assuming a factor of ten times the average of AM and PM peak hour trips.

[4] **30 full-time office employees (working hours 9:00 AM - 5:00 PM):** It is assumed that the 30 office employees generate 30 inbound trips during the AM peak hour and 30 outbound trips during the PM peak hour.

[5] **4 school bus drivers:** they drive to work around 6:30 AM, leave the bus yard around 7:00 AM and are back by 8:45 AM. They then do an afternoon trip that leaves around 2:30 PM and are back by 5:00 PM. It is assumed that there are 4 inbound school bus trips during the AM peak hour and 4 inbound school bus trips during the PM peak hour. Other trips occur outside peak hours.

[6] **8-10 van drivers:** who have similar hours as the school bus drivers. It is assumed that there are 9 inbound van trips during the AM peak hour and 9 inbound van trips during the PM peak hour.

[7] **Maintenance team (6 positions):** It is assumed the 6 maintenance team staffs generate 6 inbound trips during the AM peak hour and 6 outbound trips during the PM peak hour. Assume other trips for picking up materials or supplies and weekly delivery trips would happen during off-peak periods.

[8] **Tech team (4 positions):** It is assumed the 4 tech team staff generate 4 inbound trips during the AM peak hour and 4 outbound trips during the PM peak hour. It is assumed other work trips happen during off-peak periods .

[9] **A local WIC Program:** It is assumed that the WIC program employees and visitors generate 5 inbound trips/3 outbound trips in the AM peak hour and 3 inbound trips/5 outbound trips in the PM peak hour.

[10] **Registration and special education services:** It is assumed the registration and special education services generate 10 inbound trips and 10 outbound trips during the AM and PM peak hours.

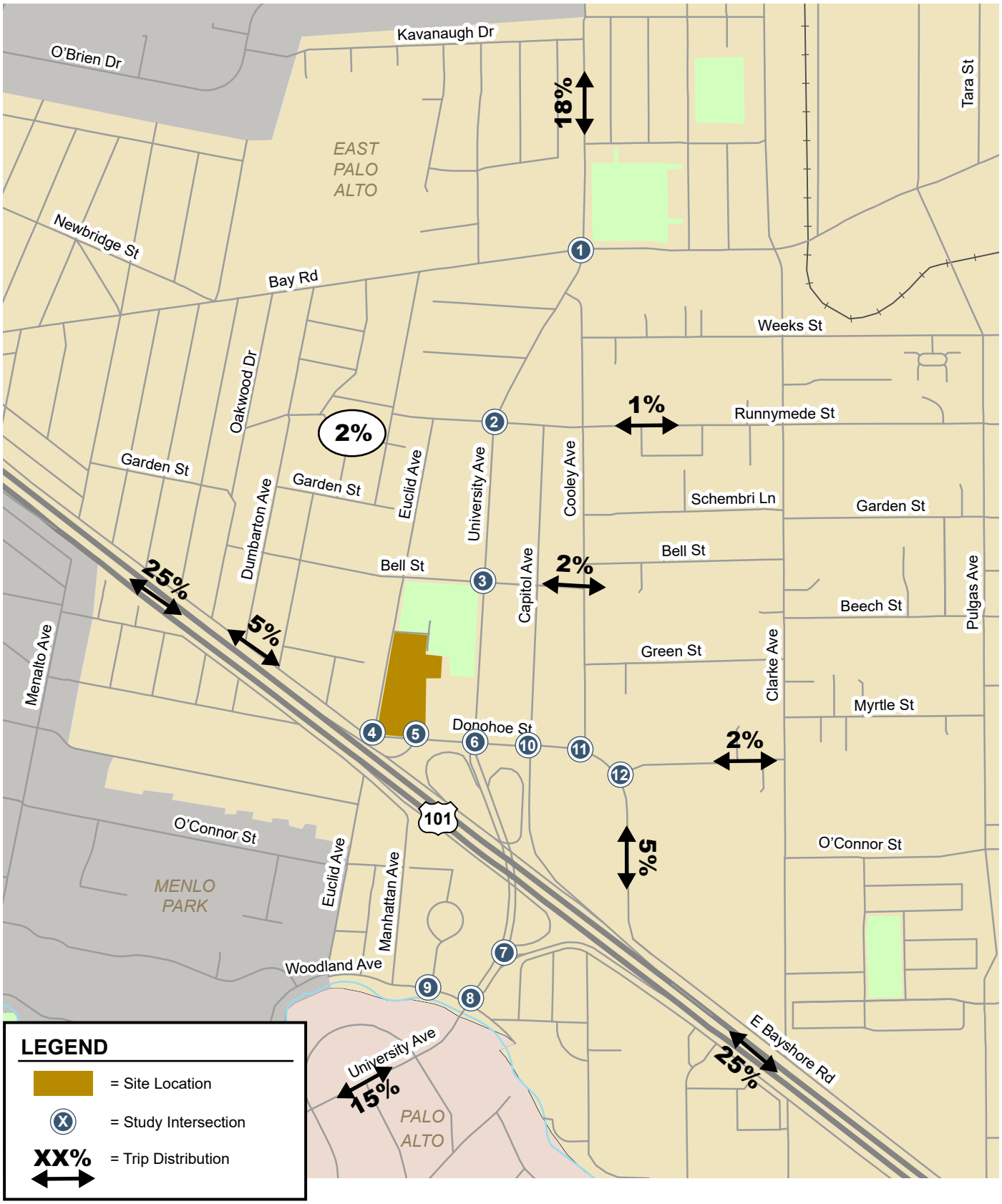
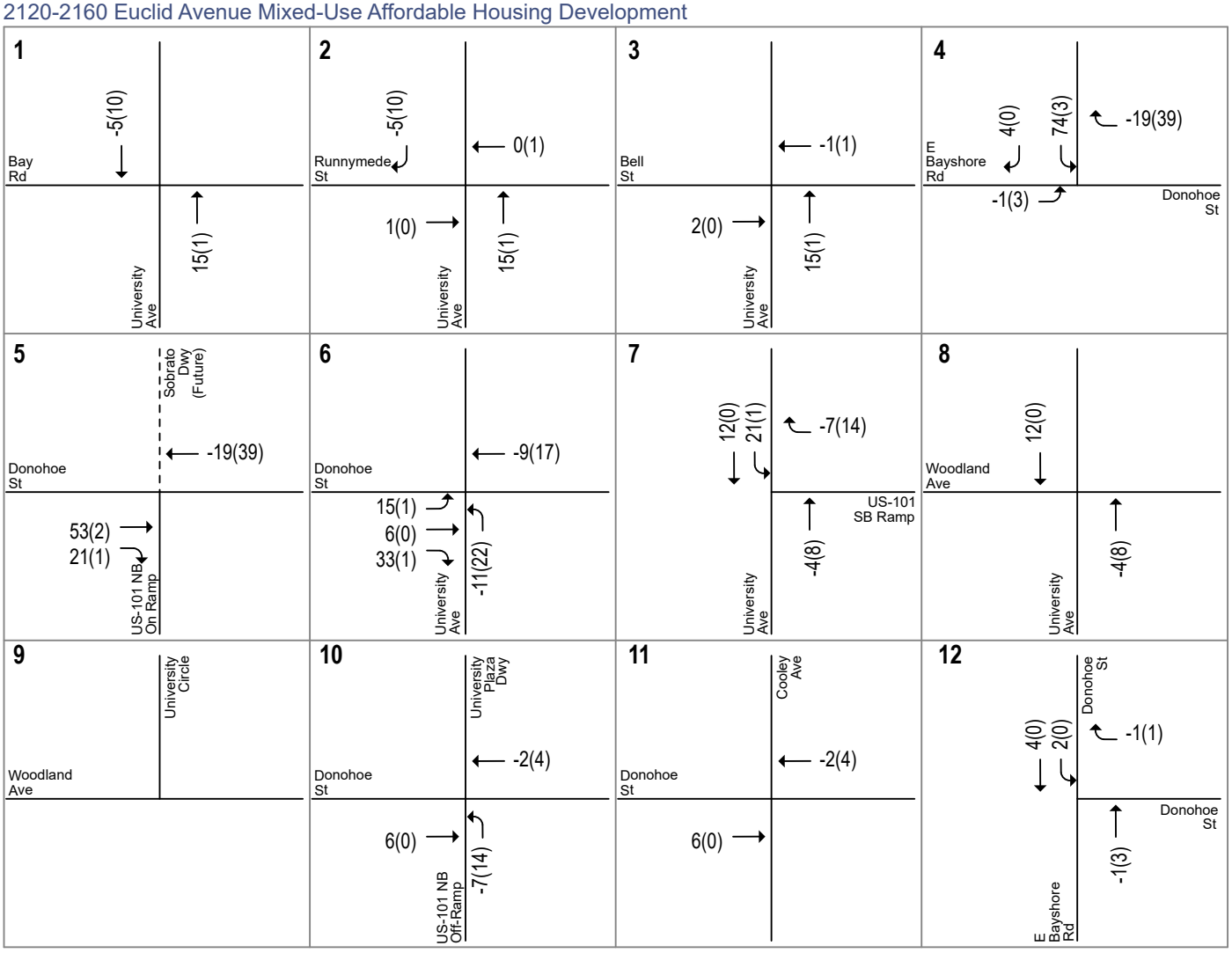


Figure 7
Project Trip Distribution Pattern



LEGEND

XX(XX) = AM(PM) Peak-Hour Trips

Figure 8
Net Project Trip Assignments

Existing Conditions Level of Serivces

The existing lane configurations at the study intersections and existing traffic volumes are shown in Figures 5 and 6.

Existing intersection levels of service for the three study intersections analyzed using TRAFFIX were obtained from the Ravenswood Specific Plan Update Transportation Analysis. Because the Ravenswood Specific Plan Update Transportation Analysis simulation used an older version of the Synchro/SimTraffic software, the simulation of existing conditions was rerun using the most recent version (version 12).

The results of the intersection level-of-service analysis under existing conditions show that many of the study intersections currently are operating at an acceptable level (LOS D or better) (see Table 4). The intersection level of service calculation sheets are included in Appendix B. The following study intersections currently operate at unacceptable levels of service during at least one peak hour:

- Euclid Avenue and Donohoe Street/East Bayshore Road (unsignalized)
- US 101 NB On-Ramp and Donohoe Street (unsignalized)
- University Avenue and Donohoe Street
- University Avenue and US 101 SB Ramps
- University Avenue and Woodland Avenue
- University Circle and Woodland Avenue
- US 101 NB Off Ramp/University Plaza driveway and Donohoe Street

Table 4
Existing Intersection Levels of Service

#	Intersection	LOS Standards	Peak Hour	Count Date	Existing Avg Delay (sec/veh)	Existing LOS
1	University Avenue and Bay Road	D	AM	04/17/19	41.7	D
			PM	04/17/19	48.4	D
2	University Avenue and Runnymede Street	D	AM	01/15/20	6.9	A
			PM	01/15/20	9.5	A
3	University Avenue and Bell Street	D	AM	04/25/19	11.3	B
			PM	04/25/19	16.8	B
4	Euclid Avenue and East Bayshore Road/Donohoe Street [1]	D	AM	05/21/19	**59.1**	**F**
	(All-way Stop)		PM	05/21/19	34.9	D
5	US 101 NB On-Ramp/Sobrato driveway (future) and Donohoe Street [1&2]	D	AM	05/21/19	**58.2**	**F**
	(Uncontrolled)		PM	05/21/19	10.7	B
6	University Avenue (SR 109) and Donohoe Street [1]	D	AM	04/17/19	**118.2**	**F**
			PM	04/17/19	**80.5**	**F**
7	University Avenue and US 101 SB Ramps [1]	D	AM	05/21/19	**111.1**	**F**
			PM	05/21/19	**105.0**	**F**
8	University Avenue and Woodland Avenue [1]	D	AM	04/17/19	**68.5**	**E**
			PM	04/17/19	**>120**	**F**
9	University Circle and Woodland Avenue [1]	D	AM	05/21/19	23.7	C
			PM	05/21/19	**>120**	**F**
10	US 101 NB Off Ramp/University Plaza driveway and Donohoe Street [1]	D	AM	05/21/19	**71.6**	**E**
			PM	05/21/19	**>120**	**F**
11	Cooley Avenue and Donohoe Street [1]	D	AM	05/21/19	40.5	D
			PM	05/21/19	32.6	C
12	East Bayshore Road and Donohoe Street [1]	D	AM	05/21/19	53.1	D
			PM	05/21/19	20.4	C

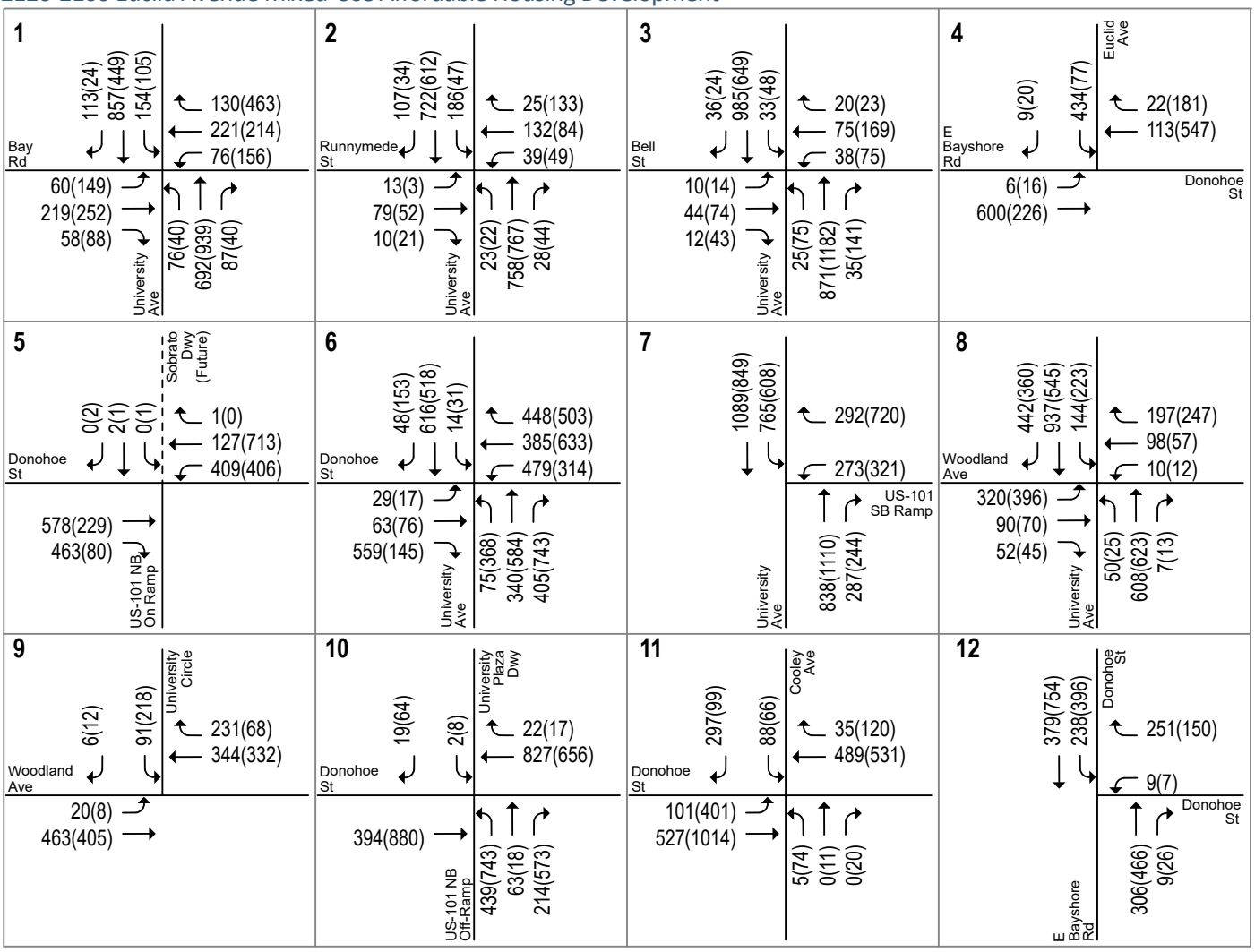
Notes:
Bold indicates a substandard level of service.
All notes apply to both AM and PM peak hours.
1. Intersections were analyzed using Synchro/SimTraffic software due to the close proximity of these intersections.
2. Delay shown is the average delay for the westbound left-turning vehicles, which have to find gaps in the eastbound traffic flow.

Existing Plus Project Conditions

The roadway network under existing plus project conditions would be the same as existing conditions because the project would not alter the existing intersection lane configurations.

Existing Plus Project Traffic Volumes

Project trips, as represented in the above project trip assignment, were added to existing traffic volumes to obtain existing plus project traffic volumes (see Figure 9).



LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 9
Existing Plus Project Traffic Volumes

Existing Plus Project Intersection Levels of Service

The results of the intersection level of service analysis under existing plus project conditions are summarized in Table 5. The intersection level of service calculation sheets are included in Appendix B. At some intersections where the project would add trips to low-delay movements, there would be a decrease in overall average delay.

The results show that, measured against the adverse effect criteria presented in the previous section, the project would have an adverse effect on the following intersections during one or both peak hours under existing plus project conditions:

- Euclid Avenue and Donohoe Street/East Bayshore Road (unsignalized)
- US 101 NB On-Ramp and Donohoe Street (unsignalized)
- University Avenue and US 101 SB Ramps
- University Circle and Woodland Avenue
- US 101 NB Off Ramp/University Plaza driveway and Donohoe Street
- Cooley Avenue and Donohoe Street
- East Bayshore Road and Donohoe Street

Table 5
Existing Plus Project Intersection Levels of Service

#	Intersection	Peak Hour	Existing Avg Delay (sec/veh)	Existing LOS	Existing Plus Project Avg Delay (sec/veh)	Existing Plus Project LOS	Incr. In Crit. Delay (sec	Incr. In Crit. V/C	Existing Plus Project with Improvements Avg Delay (sec/veh)	Existing Plus Project with Improvements LOS
1	University Avenue and Bay Road	AM	41.7	D	41.7	D	0.0	-0.002	--	--
		PM	48.4	D	48.3	D	0.0	0.000	--	--
2	University Avenue and Runnymede Street	AM	6.9	A	6.9	A	0.1	0.005	--	--
		PM	9.5	A	9.5	A	0.0	0.001	--	--
3	University Avenue and Bell Street	AM	11.3	B	11.3	B	0.0	-0.001	--	--
		PM	16.8	B	16.8	B	0.0	0.001	--	--
4	Euclid Avenue and East Bayshore Road/Donohoe Street [1,3&4]	AM	**59.1**	**F**	**119.6**	**F**	--	--	**57.2**	**E**
	(All-way Stop)	PM	34.9	D	29.0	D	--	--	17.4	B
5	US 101 NB On-Ramp/Sobrato driveway (future) and Donohoe Street [1,2,3&4]	AM	**58.2**	**F**	**72.1**	**F**	--	--	50.7	D
	(Uncontrolled)	PM	10.7	B	9.3	A	--	--	27.6	C
6	University Avenue (SR 109) and Donohoe Street [1&4]	AM	**118.2**	**F**	**>120**	**F**	--	--	**91.4**	**F**
		PM	**80.5**	**F**	**78.3**	**E**	--	--	36.4	D
7	University Avenue and US 101 SB Ramps [1]	AM	**111.1**	**F**	**115.8**	**F**	--	--	39.5	D
		PM	**105.0**	**F**	**110.0**	**F**	--	--	31.2	C
8	University Avenue and Woodland Avenue [1]	AM	**68.5**	**E**	**68.2**	**E**	--	--	46.5	D
		PM	**>120**	**F**	**>120**	**F**	--	--	**>120**	**F**
9	University Circle and Woodland Avenue [1]	AM	23.7	C	18.1	B	--	--	12.5	B
		PM	**>120**	**F**	**>120**	**F**	--	--	26.8	C
10	US 101 NB Off Ramp/University Plaza driveway and Donohoe Street [1&4]	AM	**71.6**	**E**	**70.5**	**E**	--	--	17.9	B
		PM	**>120**	**F**	**>120**	**F**	--	--	41.0	D
11	Cooley Avenue and Donohoe Street [1&4]	AM	40.5	D	**68.6**	**E**	--	--	12.0	B
		PM	32.6	C	10.7	B	--	--	11.6	B
12	East Bayshore Road and Donohoe Street [1]	AM	53.1	D	**59.2**	**E**	--	--	13.4	B
		PM	20.4	C	24.7	C	--	--	18.7	B

Notes:
Bold indicates a substandard level of service.
Box indicates an adverse effect of the project.
All notes apply to both AM and PM peak hours.
1. Intersections were analyzed using Synchro/SimTraffic software due to the close proximity of these intersections. Changes in critical delay and v/c cannot be calculated.
2. Delay shown is the average delay for the westbound left-turning vehicles, which have to find gaps in the eastbound traffic flow.
3. Average delay and LOS with improvements reflects a change in control.
4. Average delay and LOS with improvements reflects a change in geometry.

Existing Plus Project Intersection Adverse Effects and Improvements

The intersection adverse effects and recommended improvements under existing plus project conditions are described below. The recommended Donohoe Street improvements at Euclid Avenue and at the US 101 northbound on ramp will be constructed as part of the University Plaza Phase II development with full funding from the Sobrato Organization. The City of East Palo Alto entered into a reimbursement agreement with The Sobrato Organization that sets forth a mechanism and formula for reimbursement of a portion of the costs of these improvements by future developments that would add traffic to these intersections. Hence, the proposed project will reimburse The Sobrato Organization a portion of the cost of these improvements based on the number of trips added by the proposed project according to the formula in the Sobrato reimbursement agreement.

As for the Donohoe Street improvements at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue, the project would be responsible for reimbursing the City of East Palo Alto for a portion of the cost of these improvements based on a fair share formula based on the number of trips added by the proposed project.

4. Euclid Avenue and Donohoe Street/East Bayshore Road

Adverse Effect: This intersection is currently operating at an unacceptable LOS F during the AM peak hour. The proposed project is expected to cause the average delay to increase by over five seconds per vehicle and the intersection traffic volumes are expected to satisfy the Peak-Hour Volume Warrant (see Appendix C). This constitutes an adverse effect according to the thresholds established by the City of East Palo Alto.

Improvement: The recommended improvements include a new traffic signal at the intersection and coordination with other closely spaced traffic signals along Donohoe Street. The new traffic signal shall include appropriate pedestrian and bicycle accommodations. This includes pedestrian countdown timers, Americans with Disabilities Act (ADA) compliant curbs, and bicycle detection loops. In addition, the lane configuration on westbound Donohoe Street shall be restriped to accommodate one through lane and one right-turn lane.

With the recommended improvements, the intersection would operate at an unacceptable LOS E but would have lower average delay than the existing LOS F condition during the AM peak hour. During the PM peak hour, the intersection would operate at an acceptable level LOS B with the recommended improvements.

5. US 101 Northbound On-Ramp/University Plaza Phase II Driveway and Donohoe Street

Adverse effect: This intersection is currently operating at an unacceptable LOS F during the AM peak hour. The addition of traffic generated by the proposed project is expected to cause the average delay to increase by more than five seconds per vehicle during the AM peak hour. The intersection traffic volumes are expected to satisfy the Peak-Hour Volume Warrant (see Appendix C). This constitutes an adverse effect according to the thresholds established by the City of East Palo Alto.

Improvement: The adverse effect at this intersection could be addressed by installing a new traffic signal and coordinating it with other closely spaced traffic signals along Donohoe Street. The new traffic signal shall include appropriate pedestrian and bicycle accommodations. This includes pedestrian countdown timers, ADA compliant curbs, and bicycle detection loops. Furthermore, the US 101 northbound on ramp shall be shifted approximately 30 feet to the east to align with the proposed driveway for the University Plaza Phase II site on the north

side of Donohoe Street. In addition, the westbound Donohoe Street approach to the US 101 northbound on ramp shall be restriped to accommodate a short exclusive left-turn pocket (approximately 60 feet in length), a shared left/through lane, and an exclusive through lane. These improvements would require widening of the US 101 northbound on ramp to accommodate two lanes that taper down to a single lane before this ramp connects with the loop on ramp from northbound University Avenue.

In addition, improvements are also needed at the adjacent intersection of University Avenue and Donohoe Street in order to eliminate the project's adverse effect at intersections in the vicinity of the US 101/University Avenue interchange. The westbound approach on Donohoe Street shall be widened to accommodate dual left-turn lanes, one exclusive through lane, one shared through/right lane, and one exclusive right-turn lane to allow for simultaneous left-turn movements on Donohoe Street. In addition, the signal should be updated to protected left-turn phasing for the eastbound and westbound approaches. These improvements would require right-of-way acquisition along the south side of Donohoe Street between University Avenue and the US 101 northbound off ramp. The changes to the westbound approach will require modifications to the eastbound approach to ensure proper lane alignment. The eastbound approach shall include one left turn lane and one shared through/right-turn lane. These improvements along with new traffic signals at the US 101 northbound on-ramp/Donohoe intersection and at the Euclid/Donohoe intersection would improve the overall traffic operations at intersections in the vicinity of the US 101/University Avenue interchange.

With these recommended improvements, the intersection would operate at an acceptable LOS D or better during both peak hours.

7. University Avenue and US 101 Southbound Ramps

Adverse effect: The intersection is currently operating at LOS F during the AM and PM peak hours and the proposed project would cause the average intersection delay to increase by over four seconds during both peak hours. This constitutes an adverse effect according to thresholds established by City of East Palo Alto.

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue and eliminate the queue spillback that extends from Donohoe Street to the US 101 southbound ramps. The Donohoe Street improvements would reduce the delay compared to existing conditions during both peak hours. No additional improvements are required to address the adverse effect at this intersection. With the recommended improvements, the intersection would operate at LOS D during the AM peak hour and LOS C during the PM peak hour, which is better than under existing conditions.

9. University Circle and Woodland Avenue

Adverse effect: The intersection is currently operating LOS F during the PM peak hour and the proposed project would cause the average intersection delay to increase by over four seconds per vehicle. This constitutes an adverse effect according to thresholds established by City of East Palo Alto.

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue and reduce delay at the University Circle/Woodland Avenue intersection. With the recommended improvements, the intersection would operate at an acceptable LOS C during the PM peak hour. No additional improvements are required to address the adverse effect at this intersection.

10. US 101 Northbound Off Ramp and Donohoe Street

Adverse effect: The intersection currently operates at an unacceptable LOS F during the PM peak hour. The proposed project would cause the average intersection delay to increase by over four seconds per vehicle during the PM peak hour. This constitutes an adverse effect based on the thresholds established by the City of East Palo Alto.

Improvement: The westbound approach on Donohoe Street at the US 101 northbound off ramp shall be widened to accommodate four through lanes to improve the vehicular throughput at this intersection. This improvement would require median modifications and narrowing the eastbound Donohoe Street approach to Cooley Avenue to include two through lanes and a full length left-turn lane. In addition, the traffic signals shall be coordinated with adjacent traffic signals on Donohoe Street. With the proposed improvements, the intersection of the US 101 northbound off ramp and Donohoe Street would operate at an acceptable LOS D or better during both peak hours.

11. Cooley Avenue and Donohoe Street

Adverse effect: The intersection currently operates at an acceptable LOS D during the AM peak hour. Under existing plus project conditions, the level of service would degrade to an unacceptable LOS E. This constitutes an adverse effect according to the thresholds established by the City of East Palo Alto

Improvement: The eastbound approach on Donohoe Street at Cooley Avenue shall be restriped to include one full length left-turn lane from the upstream intersection and two through lanes. In addition, the traffic signals shall be coordinated with adjacent traffic signals on Donohoe Street. With the recommended Cooley/Donohoe intersection improvements and with the improvements recommended at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, and at the US 101 northbound off ramp, the intersection of Cooley Avenue and Donohoe Street would operate at an acceptable LOS B during both peak hours.

12. East Bayshore Road and Donohoe Street

Adverse effect: This intersection currently operates at an acceptable LOS D during the AM peak hour. The additional trips generated by the proposed project would cause the intersection to degrade to an unacceptable level (LOS E) during the AM peak hour. This constitutes an adverse effect based on the thresholds established by the City of East Palo Alto.

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on Donohoe Street and cause the East Bayshore/Donohoe intersection to operate at an acceptable LOS B during both peak hours. No additional improvements are required to address adverse effect at this intersection.

Cumulative Conditions

Cumulative Transportation Network

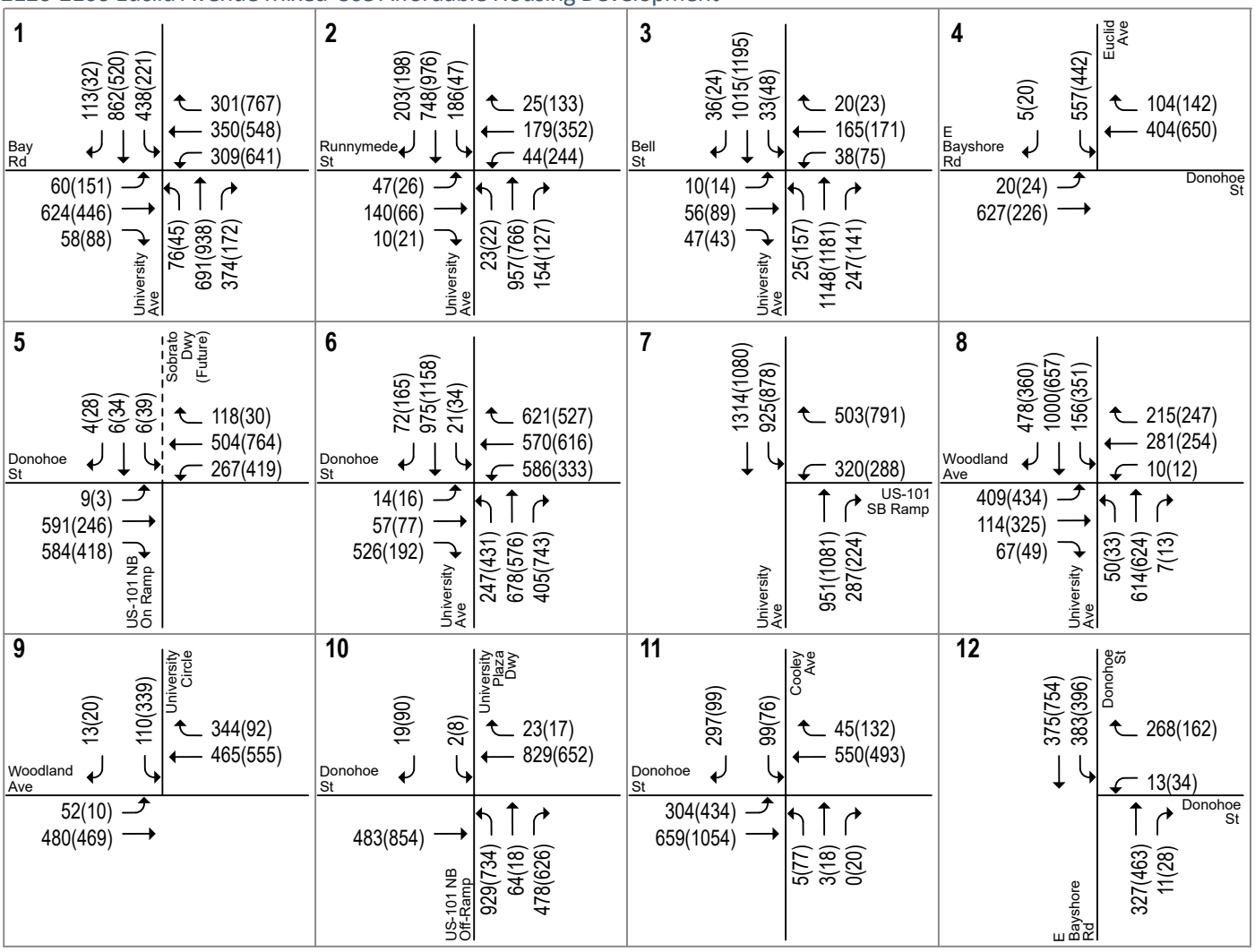
The transportation network under cumulative conditions is assumed to include the following improvements identified in the Ravenswood/4 Corners TOD Specific Plan Environmental Impact Report (February 22, 2013):

University Avenue and Bay Road (Mitigation Measure TRA-CUM-4): add an exclusive northbound right-turn lane and a second northbound left-turn lane on University Avenue, add a second westbound left-turn lane on Bay Road, add a second southbound left-turn lane on University Avenue, and modify signal phasing.

University Avenue and Donohoe Street (Mitigation Measure TRA-CUM-5): add an exclusive southbound right-turn lane on University Avenue.

Cumulative Traffic Volumes

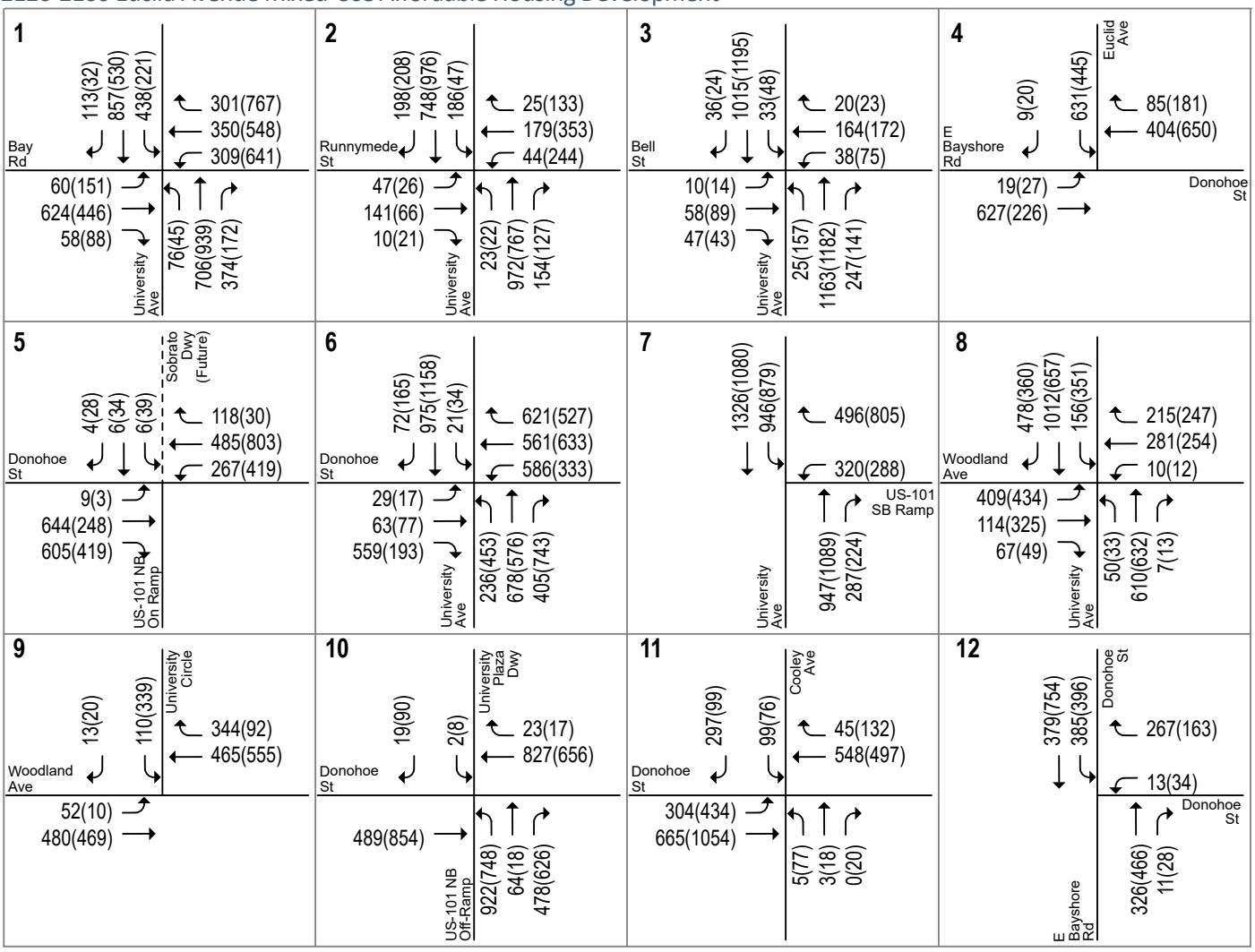
Cumulative conditions reflect trips generated by all foreseeable development expected to occur by the year 2040. Cumulative traffic volumes (see Figure 10) were based on cumulative traffic projections developed for Ravenswood Specific Plan Update 3.35M s.f. option without Loop Road. Cumulative plus project peak-hour traffic volumes were estimated by adding to cumulative traffic volumes the additional traffic generated by the project. The cumulative plus project traffic volumes are shown in Figure 11. Peak-hour intersection volumes for the study intersections are tabulated in Appendix A.



LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 10
Cumulative No Project Traffic Volumes



LEGEND

XX(XX) = AM(PM) Peak-Hour Traffic Volumes

Figure 11
Cumulative Plus Project Traffic Volumes

Cumulative No Project Conditions Intersection Levels of Service

The results of the intersection level-of-service analysis under the cumulative no project scenario show that a majority of the study intersections would operate at unacceptable levels of service during at least one peak hour (see Table 6):

- Euclid Avenue and Donohoe Street/East Bayshore Road (unsignalized)
- US 101 NB On-Ramp/University Plaza Phase II driveway and Donohoe Street (unsignalized)
- University Avenue and Donohoe Street
- University Avenue and US 101 SB Ramps
- University Avenue and Woodland Avenue
- University Circle and Woodland Avenue
- US 101 NB Off Ramp/University Plaza driveway and Donohoe Street
- Cooley Avenue and Donohoe Street
- East Bayshore Road and Donohoe Street

Cumulative Plus Project Conditions Intersection Levels of Service

Cumulative plus project conditions were evaluated relative to cumulative no project conditions in order to determine potential adverse effects associated with the proposed development. The results of the intersection level of service analysis under cumulative plus project conditions are shown in Table 6. The intersection levels of service calculation sheets are included in Appendix B. At some intersections where the project would add trips to low-delay movements, there would be a decrease in overall average intersection delay.

The results show that, measured against the adverse effect criteria presented in previous chapter, the project would have an adverse effect on all the intersections in the vicinity of the US 101/University Avenue interchange except for the intersection at East Bayshore Road/Donohoe Street during one or both peak hours under cumulative plus project conditions:

- Euclid Avenue and Donohoe Street/East Bayshore Road (unsignalized)
- US 101 NB On-Ramp/University Plaza Phase II driveway and Donohoe Street (unsignalized)
- University Avenue and Donohoe Street
- University Avenue and US 101 SB Ramps
- University Avenue and Woodland Avenue
- University Circle and Woodland Avenue
- US 101 NB Off Ramp/University Plaza driveway and Donohoe Street
- Cooley Avenue and Donohoe Street

Table 6
Cumulative Condition Intersection Levels of Service

#	Intersection	Peak Hour	Cumulative No Project Avg Delay (sec/veh)	LOS	Cumulative Plus Project Avg Delay (sec/veh)	LOS	Incr. In Crit. Delay	Incr. In Crit. V/C	Cumulative Plus Project with Improvements Avg Delay (sec/veh)	LOS
1	University Avenue and Bay Road	AM	51.1	D	51.1	D	0.3	0.005	--	--
		PM	53.9	D	53.9	D	0.0	0.000	--	--
2	University Avenue and Runnymede Street	AM	8.2	A	8.2	A	0.5	0.010	--	--
		PM	21.7	C	21.9	C	0.4	0.004	--	--
3	University Avenue and Bell Street	AM	13.7	B	13.7	B	0.0	0.004	--	--
		PM	17.4	B	17.4	B	0.0	0.001	--	--
4	Euclid Avenue and East Bayshore Road/Donohoe Street [1, 3 & 4]	AM	**94.9**	**F**	**>120**	**F**	--	--	**>120**	**F**
	(All-way Stop)	PM	**73.1**	**F**	**68.4**	**F**	--	--	29.4	C
5	US 101 NB On-Ramp/Sobrato driveway (future) and Donohoe Street [1, 2, 3 & 4]	AM	**>120**	**F**	**>120**	**F**	--	--	**79.3**	**F**
	(Uncontrolled)	PM	**40.7**	**E**	**44.5**	**E**	--	--	38.6	D
6	University Avenue (SR 109) and Donohoe Street [1 & 4]	AM	**>120**	**F**	**>120**	**F**	--	--	**>120**	**F**
		PM	**>120**	**F**	**>120**	**F**	--	--	**86.9**	**F**
7	University Avenue and US 101 SB Ramps [1]	AM	**>120**	**F**	**>120**	**F**	--	--	**100.2**	**F**
		PM	**>120**	**F**	**>120**	**F**	--	--	44.5	D
8	University Avenue and Woodland Avenue [1]	AM	**>120**	**F**	**>120**	**F**	--	--	**>120**	**F**
		PM	**>120**	**F**	**>120**	**F**	--	--	**>120**	**F**
9	University Circle and Woodland Avenue [1]	AM	**>120**	**F**	**>120**	**F**	--	--	43.6	D
		PM	**>120**	**F**	**>120**	**F**	--	--	**>120**	**F**
10	US 101 NB Off Ramp/University Plaza driveway and Donohoe Street [1 & 4]	AM	**>120**	**F**	**>120**	**F**	--	--	**87.7**	**F**
		PM	**>120**	**F**	**>120**	**F**	--	--	**66.5**	**E**
11	Cooley Avenue and Donohoe Street [1 & 4]	AM	**>120**	**F**	**>120**	**F**	--	--	53.8	D
		PM	36.4	D	36.6	D	--	--	25.3	C
12	East Bayshore Road and Donohoe Street [1]	AM	**>120**	**F**	**>120**	**F**	--	--	**>120**	**F**
		PM	**56.3**	**E**	46.0	D	--	--	34.2	C

Notes:
Bold indicates a substandard level of service.
Box indicates an adverse effect of the project.
All notes apply to both AM and PM peak hours.
1. Intersections were analyzed using Synchro/SimTraffic software due to the close proximity of these intersections. Changes in critical delay and v/c cannot be calculated.
2. Delay shown is the average delay for the westbound left-turning vehicles, which have to find gaps in the eastbound traffic flow.
3. Average delay and LOS with improvements reflects a change in control.
4. Average delay and LOS with improvements reflects a change in geometry.

Cumulative Plus Project Intersection Adverse Effects and Improvements

The project would have an adverse effect on the intersection delays at eight out of nine study intersections in the vicinity of US 101/University Avenue interchange during the AM and PM peak hours. The following proposed mitigations would remove the adverse effects of the project and would cause all intersections to operate with lower delays compared to cumulative no project conditions except at the intersection of Donohoe Street/Euclid Avenue. Due to the close proximity of the study intersections in the vicinity of the US 101/University Avenue interchange, they were analyzed as an integrated operation system rather than isolated intersections. Based on the comparison of AM and PM peak hour vehicular throughput, the simulation analysis shows that the following proposed mitigations would improve the overall traffic operations at these intersections even though the delay is slightly higher at Donohoe Street/Euclid Avenue.

4. Euclid Avenue and Donohoe Street/East Bayshore Road

Adverse Effect: The intersection is expected to operate at an unacceptable LOS F during both the AM and PM peak hours under cumulative no project conditions. With the proposed project, the intersection average delay would increase by more than five seconds per vehicle during the AM peak hour. The cumulative traffic volumes at this intersection without and with the proposed project meet the Peak-Hour Volume Warrant during the AM peak hour (see Appendix C). This constitutes an adverse effect according to the thresholds established by the City of East Palo.

Improvement: The recommended improvements include a new traffic signal at the intersection and coordination with other closely spaced traffic signals along Donohoe Street. The new traffic signal shall include appropriate pedestrian and bicycle accommodations. This includes pedestrian countdown timers, Americans with Disabilities Act (ADA) compliant curbs, and bicycle detection loops. In addition, the lane configuration on westbound Donohoe Street shall be restriped to accommodate one through lane and one right-turn lane.

With the implementation of the improvements at Euclid Avenue/Donohoe Street and other improvements at nearby intersections as described in the following sections, the Euclid Avenue/Donohoe Street intersection would continue to operate at an unacceptable LOS F. Although the average delay at this intersection would be slightly higher than under cumulative plus project conditions during the AM peak hour, the recommended improvements at upstream intersections would alleviate bottlenecks and thereby increase the volume of traffic that reaches this intersection resulting in the increase in delay attributed to this intersection. The recommended new traffic signal and geometric improvements at this intersection would enable the intersection to better serve the projected future traffic volumes and result in less spillback through the upstream intersections on Donohoe Street and University Avenue. During the PM peak hour, the intersection would operate at an acceptable LOS C with the proposed improvements.

5. US 101 Northbound On-Ramp/University Plaza Phase II Driveway and Donohoe Street

Adverse effect: The intersection is expected to operate at an unacceptable LOS F during the AM peak hour and at LOS E during the PM peak hour under cumulative no project conditions. With the proposed project, the intersection average delay would increase by more than five seconds per vehicle during the AM peak hour. The cumulative traffic volumes at this intersection without and with the proposed project meet the Peak-Hour Volume Warrant during the AM peak hour. This

constitutes an adverse effect according to the thresholds established by the City of East Palo.

Improvement: The adverse effect at this intersection could be addressed by installing a new traffic signal and coordinating it with other closely spaced traffic signals along Donohoe Street. The new traffic signal shall include appropriate pedestrian and bicycle accommodations. This includes pedestrian countdown timers, ADA compliant curbs, and bicycle detection loops. Furthermore, the US 101 northbound on ramp shall be shifted approximately 30 feet to the east to align with the proposed driveway for the University Plaza Phase II site on the north side of Donohoe Street. In addition, the westbound Donohoe Street approach to the US 101 northbound on ramp shall be restriped to accommodate a short exclusive left-turn pocket (approximately 60 feet in length), a shared left/through lane, and a shared through/right lane. These improvements would require widening of the US 101 northbound on ramp to accommodate two lanes that taper down to a single lane before this ramp connects with the loop on ramp from northbound University Avenue.

With these recommended improvements and other improvements at nearby intersections, the intersection would continue to operate at an unacceptable LOS F during the AM peak hour. However, the average delay per vehicle would be less than under cumulative no project conditions. During the PM peak hour, the intersection would operate at an acceptable LOS D with the proposed improvements.

6. University Avenue and Donohoe Street

Adverse Effect: The intersection is expected to operate at an unacceptable LOS F during the AM and PM peak hours under cumulative no project conditions. With the proposed project, the intersection average delay would increase by more than four seconds per vehicle during the AM peak hour. This constitutes an adverse effect according to the thresholds established by the City of East Palo.

Improvements: The westbound approach on Donohoe Street shall be widened to accommodate dual left-turn lanes, one exclusive through lane, one shared through/right lane, and one exclusive right-turn lane to allow for simultaneous left-turn movements on Donohoe Street. These improvements would require right-of-way acquisition along the south side of Donohoe Street between University Avenue and the US 101 northbound off ramp. The changes to the westbound approach will require modifications to the eastbound approach to ensure proper lane alignment. The eastbound approach shall include one left turn lane and one shared through/right-turn lane. The east and west legs would be converted from split phase signal operation to protected left-turn signal phasing during the PM peak hour. In addition, the inner left-turn lane on the northbound University Avenue approach shall be extended by an additional 250 feet. The northbound approach on University Avenue consists of dual left-turn lanes, with the inner left-turn lane measuring 175 feet and the outer left-turn lane measuring 125 feet. With the extension of the inner left-turn lane by an additional 250 feet, the two northbound left-turn lanes would provide for a total of 550 feet of queue storage capacity, or 22 vehicles. This additional storage would prevent left-turn queues from spilling over into the adjacent through lane and impeding the through traffic on University Avenue. The extension of the northbound left-turn lane can be accommodated within the existing right-of-way by cutting into the raised median on University

Avenue. This improvement would not require any additional right-of-way acquisition or reconfiguration of the US 101 overpass.

With the implementation of these improvements, the University Avenue/Donohoe Street intersection would continue to operate at an unacceptable LOS F during the AM and PM peak hours. However, the average delay per vehicle would be less than under cumulative no project conditions. Thus, the improvements would satisfactorily eliminate the project's adverse effect on traffic operations at this intersection under cumulative conditions.

7. University Avenue and US 101 Southbound Ramps

Adverse effect: The intersection is expected to continue to operate at unacceptable LOS F during the AM and PM peak hours and the addition of project trips would cause the average intersection delay to increase by more than four seconds during both AM and PM peak hours. This constitutes an adverse effect according to thresholds established by City of East Palo Alto.

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue and eliminate the queue spillback that extends from Donohoe Street to the US 101 southbound ramps. The Donohoe Street improvements would reduce the delay compared to cumulative no project conditions during both peak hours. No additional improvements are required to address the adverse effect at this intersection. With the recommended improvements, this intersection would continue to operate at an unacceptable LOS F during the AM with the average delay per vehicle less than under cumulative no project conditions. During the PM peak hour, the intersection would operate at an acceptable LOS D.

8. University Avenue and Woodland Avenue

Adverse Effect: The intersection is expected to operate at an unacceptable LOS F during both the AM and PM peak hours under cumulative no project conditions. With the proposed project, the intersection average delay would increase by more than four seconds per vehicle during both the AM and PM peak hours. This constitutes an adverse effect according to the thresholds established by the City of East Palo.

Improvement: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue, and as a result reduce the queues on Woodland Avenue.

The intersection would continue to operate at an unacceptable LOS F during both the AM and PM peak hours under cumulative plus project conditions with the recommended improvements. However, the average delay per vehicle would be lower than under cumulative no project conditions. Thus, the improvements would satisfactorily eliminate the adverse cumulative project effects. No additional improvements are required to eliminate the adverse cumulative project effect at this intersection.

9. University Circle and Woodland Avenue

Adverse Effect: The intersection is expected to operate at an unacceptable LOS F during both the AM and PM peak hours under cumulative no project conditions. With the

proposed project, the intersection average delay would increase by more than four seconds per vehicle during both AM and PM peak hours. This constitutes an adverse effect according to the thresholds established by the City of East Palo.

Improvements: The recommended Donohoe Street improvements at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, at the US 101 northbound off ramp, and at Cooley Avenue would improve traffic flow on University Avenue and as a result reduce the queues on Woodland Avenue.

The intersection would operate at an acceptable LOS D during the AM peak hour with the recommended improvements. During the PM peak hour, the intersection would continue to operate at LOS F. However, the average delay per vehicle would be lower than under cumulative no project conditions. Thus, the improvements would satisfactorily eliminate the adverse cumulative project effects. No additional improvements are required to eliminate the adverse cumulative project effect at this intersection.

10. US 101 Northbound Off Ramp/ University Plaza Phase I driveway and Donohoe Street

Adverse effect: The intersection is expected to operate at an unacceptable LOS F during both the AM and PM peak hours under cumulative no project conditions. With the proposed project, the intersection average delay would increase by more than four seconds per vehicle during both the AM and PM peak hours. This constitutes an adverse effect according to the thresholds established by the City of East Palo.

Improvement: The westbound approach on Donohoe Street at the US 101 northbound off ramp shall be widened to accommodate four through lanes to improve the vehicular throughput at this intersection. This improvement would require median modifications and narrowing the eastbound Donohoe Street approach to Cooley Avenue to include two through lanes and a full length left-turn lane. In addition, the traffic signals shall be coordinated with adjacent traffic signals on Donohoe Street. With the proposed improvements, this intersection would continue to operate at an unacceptable LOS F during the AM with the average delay per vehicle less than under cumulative no project conditions. During the PM peak hour, the intersection would improve to LOS E.

11. Cooley Avenue and Donohoe Street

Adverse effect: The intersection is expected to operate at an unacceptable LOS F during the AM peak hour under cumulative no project conditions. With the proposed project, the intersection average delay would increase by more than four seconds per vehicle. This constitutes an adverse effect according to the thresholds established by the City of East Palo.

Improvement: The eastbound approach on Donohoe Street at Cooley Avenue shall be restriped to include one full length left-turn lane from the upstream intersection and two through lanes. In addition, the traffic signals shall be coordinated with adjacent traffic signals on Donohoe Street. With the recommended Cooley/Donohoe improvements at this intersection and with the improvements recommended at Euclid Avenue, at the US 101 northbound on ramp, at University Avenue, and at the US 101 northbound off ramp, the intersection of Cooley Avenue and Donohoe Street would operate at an acceptable LOS D or better during both peak hours.

Freeway Ramp Queuing Analysis

The queues on freeway on-ramps at the US 101/University Avenue interchange were evaluated under existing plus project conditions and cumulative plus project conditions. Field observations were conducted prior to the COVID-19 pandemic to measure the existing vehicular queues and metering rates at the on-ramps. The SimTraffic simulation model was calibrated to reflect the observed metering rates and ramp queues. The effects of proposed project-added traffic on queues at the freeway ramps were evaluated based on the SimTraffic analysis results (see Tables 7 and 8). This information is presented for information only as the City of East Palo Alto has not established any policies or criteria related to freeway ramp queues. Nevertheless, the intersection delay values reported in the previous sections reflect the additional delay caused by on-ramp queues that in some cases extend beyond the length of the ramp and through the upstream intersection.

Table 7
Existing Freeway Ramp Analysis

Ramp	Storage Length (feet)	95th Percentile Queue Lengths (feet)					
		Existing		Existing Plus Project		Existing Plus Project (with Mitigations)	
		AM	PM	AM	PM	AM	PM
NB US 101 On-Ramp from WB Donohoe St [1]	370	**475**	358	**489**	360	**822**	**552**
SB US 101 Diagonal On-Ramp	1,700	607	368	624	357	547	368

Notes:
Outline indicates queue length exceeds the storage length.
[1] The analysis assumes that under the improvements scenario the storage length on the on-ramp would be extended to 500 feet.

Table 8
Cumulative Condition Freeway Ramp Analysis

Ramp	Storage Length (feet)	95th Percentile Queue Lengths (feet)					
		Cumulative No Project		Cumulative Plus Project		Cumulative Plus Project (with Mitigations)	
		AM	PM	AM	PM	AM	PM
NB US 101 On-Ramp from Donohoe St [1]	370	**528**	**568**	**542**	**569**	**816**	**732**
SB US 101 Diagonal On-Ramp	1,700	237	394	297	409	522	422

Notes:
Outline indicates queue length exceeds the storage length.
[1] The analysis assumes that under the improvements scenario the storage length on the on-ramp would be extended to 500 feet.

Northbound US 101 On Ramp from Donohoe Street

Under existing conditions, the queue on the northbound US 101 on-ramp from Donohoe Street exceeds the available storage during the AM peak hour. With the proposed project, the 95th percentile queue length would increase slightly and continue exceeding the storage lane.

Under the cumulative no project conditions, the queue on the northbound US 101 on-ramp from Donohoe Street would exceed the storage during the AM and PM peak hours. Under cumulative plus project conditions, the 95th percentile queue would increase slightly during the AM peak hour and the 95th percentile queue would keep the same during the PM peak hour compared to under cumulative no project conditions.

As described in the previous section, the proposed improvements at the US 101 northbound on-Ramp/Donohoe Street intersection include signalization of the intersection and widening of the on-ramp

to accommodate two lanes that taper down to a single lane before this ramp connects with the loop on-ramp from northbound University Avenue. The widening of the on-ramp would increase the storage length to 500 feet. However, the improvements at this intersection and at other nearby intersections on Donohoe Street would increase the capacity of the roadways in this area and would allow more traffic to reach the on-ramp, and result in longer queues. Increasing the ramp queue storage further is not feasible as it would require acquisition of additional right-of-way to widen the ramp to include another lane.

Southbound US 101 Diagonal On Ramp

Under all scenarios, the queue on the southbound US 101 diagonal on-ramp would be contained within the available storage during both the AM and PM peak hours.

Site Access and Circulation

A review of the project site plan was performed to determine if adequate vehicle site access and on-site circulation would be provided and to identify any access or circulation issues that should be improved. This review is based on the site plan prepared by AO Architects, dated June 14, 2024, presented on Figure 2 and in accordance with generally accepted traffic engineering standards.

Vehicular Site Access

Vehicle access to the project site would be provided via Euclid Avenue with two full-access entrances, one leading to the parking garage in each building, and one emergency vehicle access driveway between the two buildings. All the entrances and driveways would be 20 feet wide, which is sufficient for two-way traffic, but will require residents to use extra care and drive slowly when turning in and out of the site. The proposed driveway width is consistent with the County of San Mateo driveway width requirements, which are employed by the City of East Palo Alto.

Project Driveway Operations

The project site includes two separate sections. The south parcel or Phase 1 includes 206 multifamily dwelling units and 2,840 square feet of retail space and the northern parcel (Phase 2) includes 224 multifamily units.

The southern full-access driveway would serve the 206 residential units and the retail space in the southern portion of the project site. Based on the trip generation estimates, the trips that are estimated to occur at this driveway are 22 inbound and 47 outbound trips during the AM peak hour. During the PM peak hour, this driveway would serve 44 inbound and 32 outbound trips. Under existing plus project conditions, the outbound vehicles would experience LOS B conditions with an average delay of 12.2 seconds per vehicle during the AM peak hour. During the PM peak hour, the outbound vehicles would experience an average delay of 10.7 seconds per vehicle (LOS A). Under cumulative plus project conditions, the exiting vehicles would experience delays of 15.3 seconds per vehicle (LOS C) and 14.5 seconds per vehicle (LOS B) during the AM and PM peak hours, respectively. This short amount of delay would not cause any operational issues on the project site. Vehicles turning left into the project site from southbound Euclid Avenue at the driveway may block the travel lane momentarily due to vehicles slowing down to turn into the driveway, but this would not have a significant effect on traffic operations given the low traffic volume on Euclid Avenue and small number of left-turn project trips entering the driveway. The level of service calculation results indicate that the southbound left-turn movement from Euclid Avenue to the project driveway would experience a minor delay of less than 8.0 seconds per vehicle (LOS A) during both AM and PM peak hours under either existing plus project condition or cumulative plus project conditions.

The total volume estimated to use the northern driveway upon the completion of Phase 2 (224 units) is 67 vehicles (19 inbound and 48 outbound) during the AM peak hour and 62 vehicles (37 inbound and

25 outbound) during the PM peak hour. Under existing plus project conditions, the exiting vehicles at this driveway would experience delays of 11.6 seconds per vehicle (LOS B) and 10.3 seconds per vehicle (LOS B) during the AM and PM peak hours, respectively. Under cumulative plus project conditions, the exiting vehicles at this driveway would experience delays of 14.5 seconds per vehicle (LOS B) and 13.9 seconds per vehicle (LOS B) during the AM and PM peak hours, respectively. This short amount of delay would not cause any operational issues on the project site. The southbound left-turn movement from Euclid Avenue to the northern driveway would also only experience a minor delay of less than 8.0 seconds per vehicle (LOS A) during both AM and PM peak hours under both existing plus project condition and cumulative plus project conditions.

Sight Distance

The project driveways should be free and clear of any obstructions to optimize sight distance, thereby ensuring that exiting vehicles can see pedestrians on the sidewalk and other vehicles traveling on Euclid Avenue. Any landscaping, parking, and signage should be located in such a way to ensure an unobstructed view for drivers entering and exiting the site.

The proposed driveway locations were evaluated to determine if the sight distance at the driveways would be adequate. Adequate sight distance reduces the likelihood of a collision at driveways and provides drivers with the ability to locate sufficient gaps in traffic to exit a driveway. Sight distance of a driveway is evaluated based on the stopping sight distance recommended by Caltrans for a given design speed. Euclid Avenue has a prima facie speed limit of 25 mph and has four speed humps between East Bayshore Road and Runnymede Street that help to control speeds.

The southern driveway serving the Phase 1 Building would be located approximately 120 feet north of the intersection of Euclid Avenue and East Bayshore Road/Donohoe Street. Outbound vehicles at the driveway would need be able to see vehicles approaching from the Euclid Avenue/East Bayshore Road intersection. The intersection of Euclid Avenue and East Bayshore Road is currently controlled by an all-way stop. Signalization is recommended for this intersection. Under either form of traffic control, westbound right-turn vehicles from Donohoe Street and eastbound left-turn vehicles from East Bayshore Road are expected to travel at low speeds (less than 15 mph) while making turns. The required stopping distance at 15 mph is only 100 feet. The distance between the driveway and the Euclid/East Bayshore/Donohoe intersection (120 feet) would ensure adequate sight distance for vehicles turning onto northbound Euclid Avenue from East Bayshore Road or Donohoe Street. Currently there are no plants or tall structures over to block the sight distance of the exiting vehicles at the southern project driveway to see vehicles turning right from Donohoe Street. The project site covers the corner area formed by Euclid Avenue and East Bayshore Road/Donohoe Street. The current prelimary site plan does not show the detailed landscape plan. Based on the City of East Palo Alto's zoning code (Section 18.22.020), it is illegal to erect, place, plant, or allow to grow over 42 inches in height within the corner vision triangle area.

The northern driveway serving the Phase 2 Building is located approximately 410 feet north of the southern driveway and there are no roadway curves or tall structures along the segment between the two driveways. The Caltrans recommended stopping sight distance on Euclid Avenue is 200 feet, using a design speed of 30 mph to be conservative. The site plan shows two bike racks located just north of the driveway that could obstruct the view of vehicles approaching from the north..

> **Recommendations:** To ensure the exiting vehicles can see pedestrians on the sidewalk and other vehicles travelling from the north, it is recommended to move the two bike racks just north of the driveway closer to the building.

The northern driveway serving the Phase 2 Building is located along a straight segment of Euclid Avenue and is approximately 530 feet north of the intersection of Euclid Avenue and East Bayshore Road/Donohoe Street and approximately 450 feet south of the intersection at Euclid Avenue and Bell Street. The Caltrans recommended stopping sight distance on Euclid Avenue is 200 feet, using a

design speed of 30 mph to be conservative. Outbound vehicles at the driveway would need be able to see vehicles approaching from the south and north directions. Currently, there are no roadway curves or tall structures that obstruct a driver's ability to see Euclid Avenue.

Currently, on-street parking is allowed on Euclid Avenue and could obstruct the vision of exiting drivers if there are cars parked next to the driveways. To maintain adequate sight distance, red curbs should be installed for 25 feet south of each driveway and 5 feet north of each driveway. This would provide adequate sight distance for vehicles exiting the project site.

Vehicle On-Site Circulation

On-site vehicular circulation was reviewed in accordance with the City of East Palo Alto Zoning Code and generally accepted traffic engineering standards. On-site parking for the proposed project would be provided via two separate above-grade parking garages. Both parking garages provide 90-degree parking throughout the site and feature parking on ramps. There is no connection between the two garages. It is assumed that parking on site will be assigned, so there will be no need to drive between garages.

The southern garage would provide parking for the residential building and the corner retail store on the south parcel. Parking for the retail space and residential guest parking would be provided on the ground level of the garage. All the drive aisles would be 24 feet wide, which meets the City of East Palo Alto minimum requirement (24 feet) for drive aisles next to 90-degree parking spaces (Section 18.30.090). The speed ramp would be 22 feet wide, which is adequate for two-way traffic flow without parking. The site plan shows good circulation through garage levels one through six. There would be a dead-end aisle on the roof level of the parking garage. Although dead-end aisles are generally undesirable, extra space has been provided to allow a vehicle to turn around, which is acceptable. There also would be a dead end on the ground floor, but there is enough space between the last parking stall and the wall to enable vehicles to back out.

The northern garage would provide parking for the residential building on the north parcel. This garage would have 24-foot wide drive aisles running east-west and 23-foot-wide drive aisles running north-south, which do not meet the City of East Palo Alto minimum requirement (24 feet) for drive aisles next to 90-degree parking spaces. The substandard aisle width would make it difficult for vehicles turning into and backing out of the parking stalls. The site plan shows good circulation through garage levels one through six. This garage would include one dead-end drive aisle on the ground level and one dead-end drive aisle on the roof level. The last parking stall in the dead-end aisle on the ground level would be right next to the stack racks for bicycles. It would be difficult for drivers who park in the last stalls to back out of the stall, complete a three-point turn, and then drive out of the drive aisle. Sufficient buffer space should be provided next to this last parking space in the dead-end aisle to facilitate vehicles to turn around. The dead-end aisle shown on the roof level would have turnaround spaces at the end of the parking aisle that would enable vehicles to turn around.

The speed ramps (nonparking ramps) in both garages are shown to have a maximum slope of 22% with 11% transitions on each side. Such steep ramp slopes are generally not recommended. Ramps in multi-level garages should be designed with gradual slopes to ensure driver visibility of the pavement at all times. Commonly cited parking publications recommend grades of up to 16% on ramps where no parking is permitted, but grades of up to 20% are cited as acceptable when ramps are covered (i.e. protected from weather) and not used for pedestrian walkways. In addition, both garages include parking spaces on ramps with a slope of 6.65%, which also exceeds the commonly cited parking publications recommend grades of up to 5% on ramps with parking spaces. The final garage ramp design should be reviewed and approved by the Public Works Department.

Parking Stall Dimensions

The site plan shows that the compact parking stalls measure 8.0 feet wide by 18 feet long and the standard stalls measure 9.0 feet wide by 18 feet long, which meet the City's standard dimensions for parking stalls. The accessible ADA stalls also measure 12 feet wide by 18 feet long and include access aisles of 5 feet or more for van accessibility. These stall dimensions would meet ADA standards.

Truck Access and Circulation

The site plan indicates that each of the buildings would have its own trash room. The trash bins will be pulled out and staged at the curb on Euclid Avenue for collection Garbage trucks would collect the trash at the curb on Euclid Avenue.

Emergency response vehicles would be able to access the project site from the center driveway. The 20-foot wide dead-end road would not be wide enough for emergency vehicles to turn around. However, a hammerhead turnaround area at the end of the road would allow large vehicles to turn around on site.

Pedestrian, Bicycle, and Transit Access

Pedestrian Access

Pedestrian access to the project site is provided via sidewalks on Euclid Avenue, East Bayshore Road/Donohoe Street, and crosswalks at the nearby intersections. A short sidewalk segment is present on the north side of Donohoe Street adjacent to the gas station on the northwest corner of the University/Donohoe intersection. Along the project frontage on the north side of Donohoe Street there is an unpaved sidewalk that extends to Euclid Avenue. The project proposes a 6-foot-wide detached sidewalk with a landscaped buffer along the project frontage on Euclid Avenue and Donohoe Street. The Sobrato University Plaza project is expected to construct a sidewalk along their frontage on Donohoe Street, however the timing of this project is unknown.

> **Recommendations:** It is recommended that the project extend the sidewalk past the project frontage along East Bayshore Road/Donohoe Street to connect to the existing paved sidewalk adjacent the gas station if the Sobrato University Plaza project has not yet completed this sidewalk segment.

The project will build walkable pathways within the project site. The emergency vehicle access road between the two buildings will serve as a pedestrian "Paseo" with pathways along both sides of the road. The pedestrian paths will connect the proposed buildings, parking garages, and other amenities on-site to the sidewalks on Euclid Avenue.

Pedestrian access to the retail store will be provided by two entrances along Donohoe Street and one entry plaza facing Euclid Avenue. One pedestrian exit facing Donohoe Street and multiple pedestrian entrances connecting to the sidewalks on Euclid Avenue will be provided for the Phase 1 residential building. The pedestrian entrance on Donohoe Street will be located next to the retail store. There will be entrances for pedestrians on both sides of the garage driveway (one by the mail room and one by the trash room). A pedestrian entrance would also be provided off the passageway next to the retail plaza. Another pedestrian entrance would be located just south of the leasing office with access to an elevator and stairs near the temporary loading zone/move-in (move-in corridor). In addition to these pedestrian entrances connecting to the sidewalks on Euclid Avenue, there would be several other pedestrian access points for the Phase 1 building along the Paseo. However, except for the entrance to the leasing office, these would be inside gates that control access to the Paseo.

Multiple pedestrian entrances will be provided surrounding the Phase 2 building including four entrances along Euclid Avenue. There are five pedestrian entrances on the south side of the Phase 2 building, all within the gated area.

Each building also has a pedestrian exit along the back (east side) of the site with sidewalks that extend around the building perimeter that connect to the sidewalks on Euclid Avenue and East Bayshore Road. With the recommended improvements, the proposed pedestrian facilities will enable residents, employees, and visitors to access the site on foot.

Bicycle Access

Within the immediate project vicinity, striped bike lanes are present on University Avenue, north of Donohoe Street and south of Woodland Avenue. Oakwood Drive between East Bayshore Road and Garden Street, Dumbarton Avenue between East Bayshore Road and Bell Street, and Runnymede Street between University Avenue and Pulgas Avenue are marked as bike routes within one half-mile of the project site. Although bicycle facilities in the project area are limited, there are many local residential streets that carry low traffic volumes and are conducive to bicyclists.

A bike storage room for the southern building is proposed on the ground level of the southern garage. The bike storage room is located close to the garage entrance and would be accessible from Euclid Avenue. Access to the bike storage room from Euclid Avenue would be provided by the pedestrian entrance to the garage immediately south of the driveway.

Stack bike racks for residents are also provided on the southwest corner of the garage on level 2 to level 5. Bike parking should be provided on the ground level whenever possible. If bike parking is provided on upper levels of the garage, residents should be instructed to use the elevator with their bike and signage should be posted to indicate that bicycles are not permitted on the speed ramp. The site plan also shows multiple bike racks provided for residential guests near the building entrances. Long-term bike parking for the retail store employees would be provided near the passageway adjacent to the entry plaza. Short-term bike racks for the retail store would be provided along the sidewalks on Euclid Avenue. The bike storage room for the northern builidng is located next to the entrance to the northern garage. This bike room will also include space and tools for bike repair. Access to the bike storage room would be via the sidewalks on Euclid Avenue and pedestrian entrances to the building. Stack bike racks are also provided on the ground-level next to the stairways at the northeastern corner of of the garage. In addition, multiple short-term bike racks for residential guests are proposed near the building entrances. The existing and planned bicycle facilities would encourage the use of active transportation modes to and from the project site.

Transit Access

The study area is served by four SamTrans bus routes. The closest bus stops to the project site are located at University Avenue and Donohoe Street. Access between these bus stops and the project site is provided via sidewalks located along the north side of Donohoe Street between Euclid Avenue and University Avenue, along both sides of University Avenue, and along both sides of Donohoe Street east of University Avenue. Portions of the sidewalk along the north side of Donohoe Street between Euclid Avenue and University Avenue are unpaved. The sidewalk along the project frontage would be re-built with the development of the project. The sidewalk segment immediately east of the project site is to be rebuilt as part of the approved University Plaza Phase II development, however the timeframe of this adjacent development is unknown. As recommended previously, the project should extend the sidewalk past the project frontage along East Bayshore Road/Donohoe Street to connect to the existing paved sidewalk adjacent to the gas station if the Sobrato University Plaza project has not yet completed this sidewalk segment. With the recommended improvements, the existing public transit services are expected to serve the additional trips generated by the proposed project.

2120 - 2160 Euclid Avenue Transportation Analysis

Technical Appendices

Appendix A

Volume Summary Tables

Intersection Number: 1
Traffix Node Number: 11
Intersection Name: University Avenue & Bay Road
Peak Hour: AM
Date of Analysis: 10/11/24
Count Date: 04/17/19
Scenario: Residential
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	113	862	154	130	221	76	87	677	76	58	219	60	2733
check	113	862	154	130	221	76	87	677	76	58	219	60	2733
Proj Trips	0	-5	0	0	0	0	0	15	0	0	0	0	10
Existing + Proj	113	857	154	130	221	76	87	692	76	58	219	60	2743
check	113	857	154	130	221	76	87	692	76	58	219	60	
Cumulative No Project Conditions	113	862	438	301	350	309	374	691	76	58	624	60	4255
check	113	862	438	301	350	309	374	691	76	58	624	60	4255
Cumulative Plus Project Conditions	113	857	438	0 301	350	309	0 374	706	76	0 58	624	60	4265
check	113	857	438	301	350	309	374	706	76	58	624	60	4266

Intersection Number: 2
Traffix Node Number: 12
Intersection Name: University Avenue & Runnymede Street
Peak Hour: AM
Date of Analysis: 10/11/24
Count Date: 01/15/20
Scenario: Residential
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads: 0.000
(SJ) Number of Months: 0.0
Number of Years to Buildout: 0

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	112	722	186	25	132	39	28	743	23	10	78	13	2111
check	112	722	186	25	132	39	28	743	23	10	78	13	2111
Proj Trips	-5	0	0	0	0	0	0	15	0	0	1	0	11
Existing + Proj	107	722	186	25	132	39	28	758	23	10	79	13	2122
check	107	722	186	25	132	39	28	758	23	10	79	13	
Cumulative No Project Conditions	203	748	186	25	179	44	154	957	23	10	140	47	2714
check	203	748	186	25	179	44	154	957	23	10	140	47	2714
Cumulative Plus Project Conditions	198	748	186	25	179	44	154	972	23	10	141	47	2725
check	198	748	186	25	179	44	154	972	23	10	141	47	2727

Intersection Number: 3
Traffix Node Number: 13
Intersection Name: University Avenue & Bell Street
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 04/25/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	36	985	33	20	76	38	35	856	25	12	42	10	2168
check	36	985	33	20	76	38	35	856	25	12	42	10	2168
Proj Trips	0	0	0	0	-1	0	0	15	0	0	2	0	16
Existing + Proj	36	985	33	20	75	38	35	871	25	12	44	10	2184
check	36	985	33	20	75	38	35	871	25	12	44	10	
Cumulative No Project Conditions	36	1015	33	20	165	38	247	1148	25	47	56	10	2841
check	36	1015	33	20	165	38	247	1148	25	47	56	10	2841
Cumulative Plus Project Conditions	36	1015	33	0 20	164	38	0 247	1163	25	0 47	58	10	2857
check	36	1015	33	20	164	38	247	1163	25	47	58	10	2856

Intersection Number: 4
Traffix Node Number: 5
Intersection Name: Euclid Avenue & East Bayshore Road/Donohoe Street (unsignalized)*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads: 0.000
(SJ) Number of Months: 0.0
Number of Years to Buildout: 0

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	5	0	360	41	113	0	0	0	0	0	600	7	1126
check	5	0	360	41	113	0	0	0	0	0	600	7	1126
Proj Trips	4	0	74	-19	0	0	0	0	0	0	0	-1	58
Existing + Proj	9	0	434	22	113	0	0	0	0	0	600	6	1184
check	9	0	434	22	113	0	0	0	0	0	600	6	
Cumulative No Project Conditions	5	0	557	104	404	0	0	0	0	0	627	20	1717
check	5	0	557	104	404	0	0	0	0	0	627	20	1717
Cumulative Plus Project Conditions	9	0	631	85	404	0	0	0	0	0	627	19	1775
check	9	0	631	85	404	0	0	0	0	0	627	19	1775

Intersection Number: 5
Traffix Node Number: 6
Intersection Name: US 101 NB On-Ramp/Sob & Donohoe Street (unsignalized)*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	2	0	1	146	409	0	0	0	442	525	0	1525
check	0	2	0	1	146	409	0	0	0	442	525	0	1525
Proj Trips	0	0	0	0	-19	0	0	0	0	21	53	0	55
Existing + Proj	0	2	0	1	127	409	0	0	0	463	578	0	1580
check	0	2	0	1	127	409	0	0	0	463	578	0	
Cumulative No Project Conditions	4	6	6	118	504	267	0	0	0	584	591	9	2089
check	4	6	6	118	504	267	0	0	0	584	591	9	2089
Cumulative Plus Project Conditions	4	6	6	0 118	485	267	0 0	0	0	0 605	644	9	2144
check	4	6	6	118	485	267	0	0	0	605	644	9	2144

Intersection Number: 6
Traffix Node Number: 14
Intersection Name: University Avenue (SR 10 & Donohoe Street*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 04/17/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads: 0.000
(SJ) Number of Months: 0.0
Number of Years to Buildout: 0

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	48	616	14	448	394	479	405	340	86	526	57	14	3427
check	48	616	14	448	394	479	405	340	86	526	57	14	3427
Proj Trips	0	0	0	0	-9	0	0	0	-11	33	6	15	34
Existing + Proj	48	616	14	448	385	479	405	340	75	559	63	29	3461
check	48	616	14	448	385	479	405	340	75	559	63	29	
Cumulative No Project Conditions	72	975	21	621	570	586	405	678	247	526	57	14	4772
check	72	975	21	621	570	586	405	678	247	526	57	14	4772
Cumulative Plus Project Conditions	72	975	21	621	561	586	405	678	236	559	63	29	4806
check	72	975	21	621	561	586	405	678	236	559	63	29	4806

Intersection Number: 7
Traffix Node Number: 15
Intersection Name: University Avenue & US 101 SB Off-Ramp*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	1077	744	299	0	273	287	842	0	0	0	0	3522
check	0	1077	744	299	0	273	287	842	0	0	0	0	3522
Proj Trips	0	12	21	-7	0	0	0	-4	0	0	0	0	22
Existing + Proj	0	1089	765	292	0	273	287	838	0	0	0	0	3544
check	0	1089	765	292	0	273	287	838	0	0	0	0	
Cumulative No Project Conditions	0	1314	925	503	0	320	287	951	0	0	0	0	4300
check	0	1314	925	503	0	320	287	951	0	0	0	0	4300
Cumulative Plus Project Conditions	0	1326	946	0 496	0	320	0 287	947	0	0 0	0	0	4322
check	0	1326	946	496	0	320	287	947	0	0	0	0	4322

Intersection Number: 8
Traffix Node Number: 16
Intersection Name: University Avenue & Woodland Avenue*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 04/17/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads: 0.000
(SJ) Number of Months: 0.0
Number of Years to Buildout: 0

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	442	925	144	197	98	10	7	612	50	52	90	320	2947
check	442	925	144	197	98	10	7	612	50	52	90	320	2947
Proj Trips	0	12	0	0	0	0	0	-4	0	0	0	0	8
Existing + Proj	442	937	144	197	98	10	7	608	50	52	90	320	2955
check	442	937	144	197	98	10	7	608	50	52	90	320	
Cumulative No Project Conditions	478	1000	156	215	281	10	7	614	50	67	114	409	3401
check	478	1000	156	215	281	10	7	614	50	67	114	409	3401
Cumulative Plus Project Conditions	478	1012	156	215	281	10	7	610	50	67	114	409	3409
check	478	1012	156	215	281	10	7	610	50	67	114	409	3409

Intersection Number: 9
Traffix Node Number: 17
Intersection Name: University Circle & Woodland Avenue*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	6	0	91	231	344	0	0	0	0	0	463	20	1155
check	6	0	91	231	344	0	0	0	0	0	463	20	1155
Proj Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing + Proj	6	0	91	231	344	0	0	0	0	0	463	20	1155
check	6	0	91	231	344	0	0	0	0	0	463	20	
Cumulative No Project Conditions	13	0	110	344	465	0	0	0	0	0	480	52	1464
check	13	0	110	344	465	0	0	0	0	0	480	52	1464
Cumulative Plus Project Conditions	13	0	110	0 344	465	0	0 0	0	0	0 0	0	480	52	1464
check	13	0	110	344	465	0	0	0	0	0	480	52	1464

Intersection Number: 10
Traffix Node Number: 18
Intersection Name: US 101 NB Off Ramp/Uni & Donohoe Street*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads: 0.000
(SJ) Number of Months: 0.0
Number of Years to Buildout: 0

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	19	0	2	22	829	0	214	63	446	0	388	0	1983
check	19	0	2	22	829	0	214	63	446	0	388	0	1983
Proj Trips	0	0	0	0	-2	0	0	0	-7	0	6	0	-3
Existing + Proj	19	0	2	22	827	0	214	63	439	0	394	0	1980
check	19	0	2	22	827	0	214	63	439	0	394	0	
Cumulative No Project Conditions	19	0	2	23	829	0	478	64	929	0	483	0	2827
check	19	0	2	23	829	0	478	64	929	0	483	0	2827
Cumulative Plus Project Conditions	19	0	2	23	827	0	478	64	922	0	489	0	2824
check	19	0	2	23	827	0	478	64	922	0	489	0	2824

Intersection Number: 11
Traffix Node Number: 19
Intersection Name: Cooley Avenue & Donohoe Street*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	297	0	88	35	491	0	0	0	5	0	521	101	1538
check	297	0	88	35	491	0	0	0	5	0	521	101	1538
Proj Trips	0	0	0	0	-2	0	0	0	0	0	6	0	4
Existing + Proj	297	0	88	35	489	0	0	0	5	0	527	101	1542
check	297	0	88	35	489	0	0	0	5	0	527	101	
Cumulative No Project Conditions	297	0	99	45	550	0	0	3	5	0	659	304	1962
check	297	0	99	45	550	0	0	3	5	0	659	304	1962
Cumulative Plus Project Conditions	297	0	99	0 45	548	0	0 0	3	5	0 0	665	304	1966
check	297	0	99	45	548	0	0	3	5	0	665	304	1966

Intersection Number: 12
Traffix Node Number: 20
Intersection Name: East Bayshore Road & Donohoe Street*
Peak Hour: AM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads: 0.000
(SJ) Number of Months: 0.0
Number of Years to Buildout: 0

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	375	236	252	0	9	9	307	0	0	0	0	1188
check	0	375	236	252	0	9	9	307	0	0	0	0	1188
Proj Trips	0	4	2	-1	0	0	0	-1	0	0	0	0	4
Existing + Proj	0	379	238	251	0	9	9	306	0	0	0	0	1192
check	0	379	238	251	0	9	9	306	0	0	0	0	
Cumulative No Project Conditions	0	375	383	268	0	13	11	327	0	0	0	0	1376
check	0	375	383	268	0	13	11	327	0	0	0	0	1376
Cumulative Plus Project Conditions	0	379	385	267	0	13	11	326	0	0	0	0	1380
check	0	379	385	267	0	13	11	326	0	0	0	0	1381

Intersection Number: 1
Traffix Node Number: 11
Intersection Name: University Avenue & Bay Road
Peak Hour: PM
Date of Analysis: 10/11/24
Count Date: 04/17/19
Scenario: Residential
Future Growth % Per Year for minor Roads:
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	24	439	105	463	214	156	40	938	40	88	252	149	2908
check	24	439	105	463	214	156	40	938	40	88	252	149	
Proj Trips	0	10	0	0	0	0	0	1	0	0	0	0	11
Existing + Proj	24	449	105	463	214	156	40	939	40	88	252	149	2919
check	24	449	105	463	214	156	40	939	40	88	252	149	
Cumulative No Project Conditior	32	520	221	767	548	641	172	938	45	88	446	151	4569
check	32	520	221	767	548	641	172	938	45	88	446	151	
Cumulative Plus Project Conditi	32	530	221	0 767	548	641	0 172	939	45	0 88	446	151	4580
check	32	530	221	767	548	641	172	939	45	88	446	151	

Intersection Number: 2
Traffix Node Number: 12
Intersection Name: University Avenue & Runnymede Street
Peak Hour: PM
Date of Analysis:
Count Date: 01/15/20
Scenario:
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	24	612	47	133	83	49	44	766	22	21	52	3	1856
check	24	612	47	133	83	49	44	766	22	21	52	3	
Proj Trips	10	0	0	0	1	0	0	1	0	0	0	0	12
Existing + Proj	34	612	47	133	84	49	44	767	22	21	52	3	1868
check	34	612	47	133	84	49	44	767	22	21	52	3	
Cumulative No Project Conditior	198	976	47	133	352	244	127	766	22	21	66	26	2976
check	198	976	47	133	352	244	127	766	22	21	66	26	
Cumulative Plus Project Conditi	208	976	47	133	353	244	127	767	22	21	66	26	2988
check	208	976	47	133	353	244	127	767	22	21	66	26	

Intersection Number: 3
Traffix Node Number: 13
Intersection Name: University Avenue & Bell Street
Peak Hour: PM
Date of Analysis: 01/00/00
Count Date: 04/25/19
Scenario: 0
Future Growth % Per Year for minor Roads:
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	24	649	48	23	168	75	141	1181	75	43	74	14	2515
check	24	649	48	23	168	75	141	1181	75	43	74	14	
Proj Trips	0	0	0	0	1	0	0	1	0	0	0	0	2
Existing + Proj	24	649	48	23	169	75	141	1182	75	43	74	14	2517
check	24	649	48	23	169	75	141	1182	75	43	74	14	
Cumulative No Project Conditior	24	1195	48	23	171	75	141	1181	157	43	89	14	3161
check	24	1195	48	23	171	75	141	1181	157	43	89	14	
Cumulative Plus Project Conditi	24	1195	48	0 23	172	75	0 141	1182	157	0 43	89	14	3163
check	24	1195	48	23	172	75	141	1182	157	43	89	14	

Intersection Number: 4
Traffix Node Number: 5
Intersection Name: Euclid Avenue & East Bayshore Road/Donohoe Street (unsignalized)*
Peak Hour: PM
Date of Analysis:
Count Date: 05/21/19
Scenario:
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	20	0	74	142	547	0	0	0	0	0	226	13	1022
check	20	0	74	142	547	0	0	0	0	0	226	13	
Proj Trips	0	0	3	39	0	0	0	0	0	0	0	3	45
Existing + Proj	20	0	77	181	547	0	0	0	0	0	226	16	1067
check	20	0	77	181	547	0	0	0	0	0	226	16	
Cumulative No Project Conditior	20	0	442	142	650	0	0	0	0	0	226	24	1504
check	20	0	442	142	650	0	0	0	0	0	226	24	
Cumulative Plus Project Conditi	20	0	445	181	650	0	0	0	0	0	226	27	1549
check	20	0	445	181	650	0	0	0	0	0	226	27	

Intersection Number: 5
Traffix Node Number: 6
Intersection Name: US 101 NB On-Ramp & Donohoe Street (unsignalized)*
Peak Hour: PM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads:
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	2	1	1	0	674	406	0	0	0	79	227	0	1390
check	2	1	1	0	674	406	0	0	0	79	227	0	
Proj Trips	0	0	0	0	39	0	0	0	0	1	2	0	42
Existing + Proj	2	1	1	0	713	406	0	0	0	80	229	0	1432
check	2	1	1	0	713	406	0	0	0	80	229	0	
Cumulative No Project Conditior	28	34	39	30	764	419	0	0	0	418	246	3	1981
check	28	34	39	30	764	419	0	0	0	418	246	3	
Cumulative Plus Project Conditi	28	34	39	0 30	803	419	0 0	0	0	0 0	419	248	3 2023
check	28	34	39	30	803	419	0	0	0	419	248	3	

Intersection Number: 6
Traffix Node Number: 14
Intersection Name: University Avenue (SR & Donohoe Street*
Peak Hour: PM
Date of Analysis:
Count Date: 04/17/19
Scenario:
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	153	518	31	503	616	314	743	584	346	144	76	16	4044
check	153	518	31	503	616	314	743	584	346	144	76	16	
Proj Trips	0	0	0	0	17	0	0	0	22	1	0	1	41
Existing + Proj	153	518	31	503	633	314	743	584	368	145	76	17	4085
check	153	518	31	503	633	314	743	584	368	145	76	17	
Cumulative No Project Conditior	165	1158	34	527	616	333	743	576	431	192	77	16	4868
check	165	1158	34	527	616	333	743	576	431	192	77	16	
Cumulative Plus Project Conditi	165	1158	34	527	633	333	743	576	453	193	77	17	4909
check	165	1158	34	527	633	333	743	576	453	193	77	17	

Intersection Number: 7
Traffix Node Number: 15
Intersection Name: University Avenue & US 101 SB Off-Ramp*
Peak Hour: PM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads:
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	849	607	706	0	321	244	1102	0	0	0	0	3829
check	0	849	607	706	0	321	244	1102	0	0	0	0	
Proj Trips	0	0	1	14	0	0	0	8	0	0	0	0	23
Existing + Proj	0	849	608	720	0	321	244	1110	0	0	0	0	3852
check	0	849	608	720	0	321	244	1110	0	0	0	0	
Cumulative No Project Conditior	0	1080	878	791	0	288	224	1081	0	0	0	0	4342
check	0	1080	878	791	0	288	224	1081	0	0	0	0	
Cumulative Plus Project Conditi	0	1080	879	0 805	0	288	0 224	1089	0	0 0	0	0	4365
check	0	1080	879	805	0	288	224	1089	0	0	0	0	

Intersection Number: 8
Traffix Node Number: 16
Intersection Name: University Avenue & Woodland Avenue*
Peak Hour: PM
Date of Analysis:
Count Date: 04/17/19
Scenario:
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	360	545	223	247	57	12	13	615	25	45	70	396	2608
check	360	545	223	247	57	12	13	615	25	45	70	396	
Proj Trips	0	0	0	0	0	0	0	8	0	0	0	0	8
Existing + Proj	360	545	223	247	57	12	13	623	25	45	70	396	2616
check	360	545	223	247	57	12	13	623	25	45	70	396	
Cumulative No Project Conditior	360	657	351	247	254	12	13	624	33	49	325	434	3359
check	360	657	351	247	254	12	13	624	33	49	325	434	
Cumulative Plus Project Conditi	360	657	351	247	254	12	13	632	33	49	325	434	3367
check	360	657	351	247	254	12	13	632	33	49	325	434	

Intersection Number: 9
Traffix Node Number: 17
Intersection Name: University Circle & Woodland Avenue*
Peak Hour: PM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads:
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	12	0	218	68	332	0	0	0	0	0	405	8	1043
check	12	0	218	68	332	0	0	0	0	0	405	8	
Proj Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing + Proj	12	0	218	68	332	0	0	0	0	0	405	8	1043
check	12	0	218	68	332	0	0	0	0	0	405	8	
Cumulative No Project Conditior	20	0	339	92	555	0	0	0	0	0	469	10	1485
check	20	0	339	92	555	0	0	0	0	0	469	10	
Cumulative Plus Project Conditi	20	0	339	0 92	555	0	0 0	0	0	0 0	469	10	1485
check	20	0	339	92	555	0	0	0	0	0	469	10	

Intersection Number: 10
Traffix Node Number: 18
Intersection Name: US 101 NB Off Ramp & Donohoe Street*
Peak Hour: PM
Date of Analysis:
Count Date: 05/21/19
Scenario:
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	64	0	8	17	652	0	573	18	729	0	880	0	2941
check	64	0	8	17	652	0	573	18	729	0	880	0	
Proj Trips	0	0	0	0	4	0	0	0	14	0	0	0	18
Existing + Proj	64	0	8	17	656	0	573	18	743	0	880	0	2959
check	64	0	8	17	656	0	573	18	743	0	880	0	
Cumulative No Project Conditior	90	0	8	17	652	0	626	18	734	0	854	0	2999
check	90	0	8	17	652	0	626	18	734	0	854	0	
Cumulative Plus Project Conditi	90	0	8	17	656	0	626	18	748	0	854	0	3017
check	90	0	8	17	656	0	626	18	748	0	854	0	

Intersection Number: 11
Traffix Node Number: 19
Intersection Name: Cooley Avenue & Donohoe Street*
Peak Hour: PM
Date of Analysis: 01/00/00
Count Date: 05/21/19
Scenario: 0
Future Growth % Per Year for minor Roads:
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	99	0	66	120	527	0	20	11	74	0	1014	401	2332
check	99	0	66	120	527	0	20	11	74	0	1014	401	
Proj Trips	0	0	0	0	4	0	0	0	0	0	0	0	4
Existing + Proj	99	0	66	120	531	0	20	11	74	0	1014	401	2336
check	99	0	66	120	531	0	20	11	74	0	1014	401	
Cumulative No Project Conditior	99	0	76	132	493	0	20	18	77	0	1054	434	2403
check	99	0	76	132	493	0	20	18	77	0	1054	434	
Cumulative Plus Project Conditi	99	0	76	0 132	497	0	0 20	18	77	0 0	1054	434	2407
check	99	0	76	132	497	0	20	18	77	0	1054	434	

Intersection Number: 12
Traffix Node Number: 20
Intersection Name: East Bayshore Road & Donohoe Street*
Peak Hour: PM
Date of Analysis:
Count Date: 05/21/19
Scenario:
Future Growth % Per Year for minor Roads: 0
(SJ) Growth Factor: 0.000
Future Growth % Per Year for Major Roads:
(SJ) Number of Months: 0.0
Number of Years to Buildout:

	Movements												
	North Approach			East Approach			South Approach			West Approach			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	754	396	149	0	7	26	463	0	0	0	0	1795
check	0	754	396	149	0	7	26	463	0	0	0	0	
Proj Trips	0	0	0	1	0	0	0	3	0	0	0	0	4
Existing + Proj	0	754	396	150	0	7	26	466	0	0	0	0	1799
check	0	754	396	150	0	7	26	466	0	0	0	0	
Cumulative No Project Conditior	0	754	396	162	0	34	28	463	0	0	0	0	1837
check	0	754	396	162	0	34	28	463	0	0	0	0	
Cumulative Plus Project Conditi	0	754	396	163	0	34	28	466	0	0	0	0	1841
check	0	754	396	163	0	34	28	466	0	0	0	0	

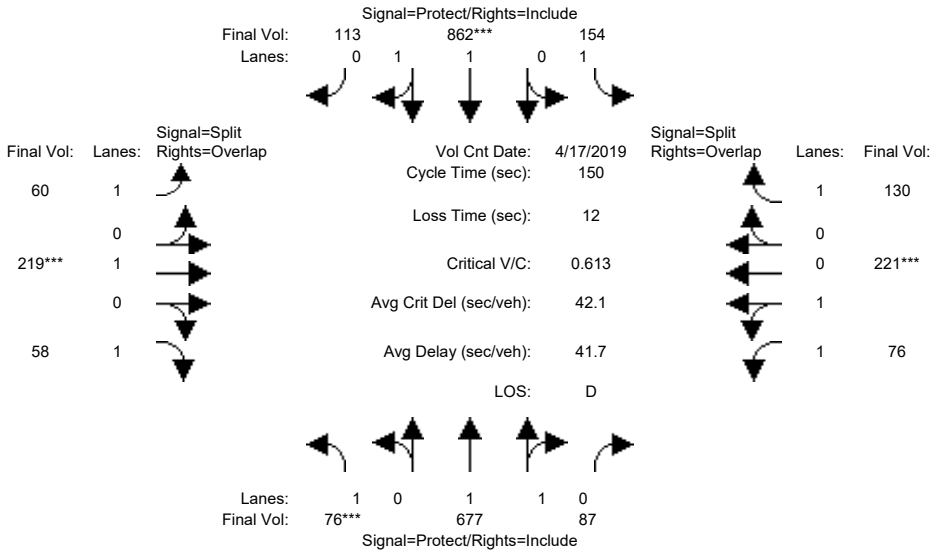
Appendix B

Intersection Level of Service Calculations

2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #11: University Avenue and Bay Road



Street Name:	University Avenue						Bay Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 17 Apr 2019 <<												
Base Vol:	76	677	87	154	862	113	60	219	58	76	221	130
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	677	87	154	862	113	60	219	58	76	221	130
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	677	87	154	862	113	60	219	58	76	221	130
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	677	87	154	862	113	60	219	58	76	221	130
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	677	87	154	862	113	60	219	58	76	221	130
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	677	87	154	862	113	60	219	58	76	221	130
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.91	0.91	0.92	0.91	0.91	0.93	0.98	0.83	0.97	0.97	0.83
Lanes:	1.00	1.77	0.23	1.00	1.77	0.23	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1753	3053	392	1753	3046	399	1769	1862	1583	1838	1838	1583
Capacity Analysis Module:												
Vol/Sat:	0.04	0.22	0.22	0.09	0.28	0.28	0.03	0.12	0.04	0.04	0.12	0.08
Crit Moves:	****				****			****			****	
Green/Cycle:	0.07	0.38	0.38	0.15	0.46	0.46	0.19	0.19	0.26	0.20	0.20	0.35
Volume/Cap:	0.61	0.58	0.58	0.58	0.61	0.61	0.18	0.61	0.14	0.21	0.61	0.24
Delay/Veh:	76.5	37.6	37.6	62.5	31.1	31.1	51.0	58.7	42.5	50.6	57.4	35.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	76.5	37.6	37.6	62.5	31.1	31.1	51.0	58.7	42.5	50.6	57.4	35.1
LOS by Move:	E	D	D	E	C	C	D	E	D	D	E	D
HCM2kAvgQ:	4	15	15	7	18	18	2	10	2	3	10	4

Note: Queue reported is the number of cars per lane.

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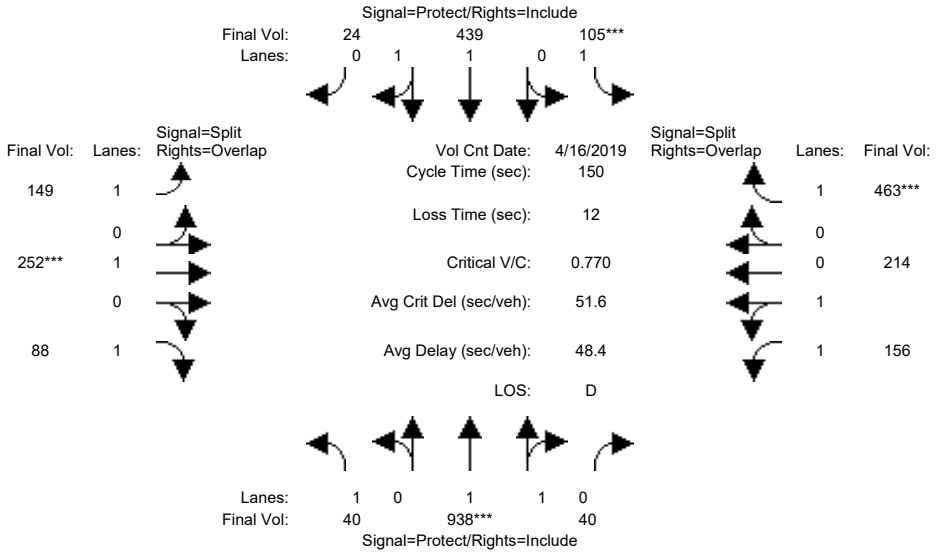
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #11: University Avenue and Bay Road



Street Name:	University Avenue						Bay Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 16 Apr 2019 <<												
Base Vol:	40	938	40	105	439	24	149	252	88	156	214	463
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	938	40	105	439	24	149	252	88	156	214	463
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	938	40	105	439	24	149	252	88	156	214	463
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	938	40	105	439	24	149	252	88	156	214	463
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	938	40	105	439	24	149	252	88	156	214	463
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	40	938	40	105	439	24	149	252	88	156	214	463
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.92	0.92	0.92	0.93	0.98	0.83	0.96	0.96	0.83
Lanes:	1.00	1.92	0.08	1.00	1.90	0.10	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1753	3342	143	1753	3297	180	1769	1862	1583	1823	1823	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.28	0.28	0.06	0.13	0.13	0.08	0.14	0.06	0.09	0.12	0.29
Crit Moves:		****		****				****				****
Green/Cycle:	0.11	0.36	0.36	0.08	0.33	0.33	0.18	0.18	0.29	0.30	0.30	0.38
Volume/Cap:	0.20	0.77	0.77	0.77	0.41	0.41	0.48	0.77	0.19	0.28	0.39	0.77
Delay/Veh:	60.6	45.1	45.1	90.9	39.4	39.4	56.8	69.6	40.2	40.1	41.7	46.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	60.6	45.1	45.1	90.9	39.4	39.4	56.8	69.6	40.2	40.1	41.7	46.8
LOS by Move:	E	D	D	F	D	D	E	E	D	D	D	D
HCM2kAvgQ:	2	22	22	6	9	9	6	13	3	5	8	20

Note: Queue reported is the number of cars per lane.

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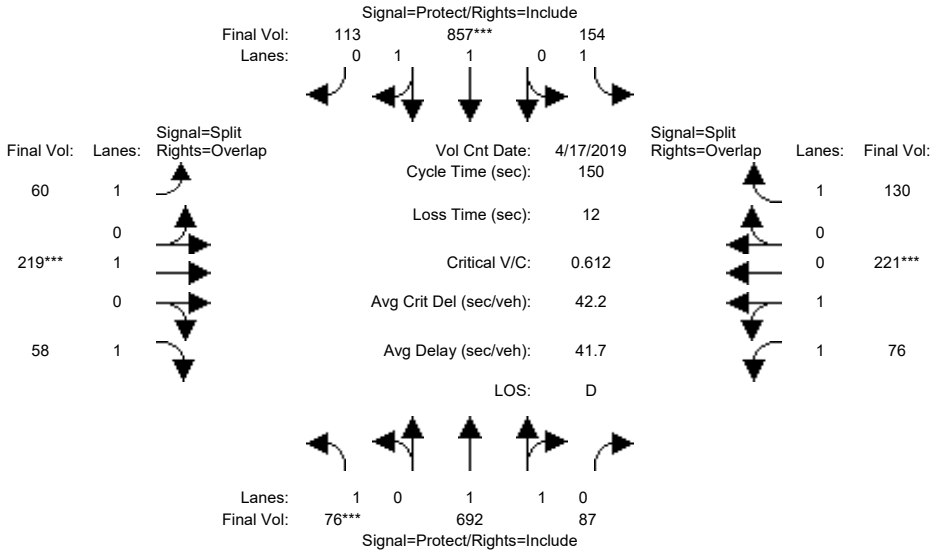
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Ex+Proj AM

Intersection #11: University Avenue and Bay Road



Street Name:	University Avenue						Bay Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 17 Apr 2019 <<												
Base Vol:	76	677	87	154	862	113	60	219	58	76	221	130
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	677	87	154	862	113	60	219	58	76	221	130
Added Vol:	0	15	0	0	-5	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	692	87	154	857	113	60	219	58	76	221	130
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	692	87	154	857	113	60	219	58	76	221	130
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	692	87	154	857	113	60	219	58	76	221	130
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	692	87	154	857	113	60	219	58	76	221	130
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.91	0.91	0.92	0.91	0.91	0.93	0.98	0.83	0.97	0.97	0.83
Lanes:	1.00	1.78	0.22	1.00	1.77	0.23	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1753	3061	385	1753	3044	401	1769	1862	1583	1838	1838	1583
Capacity Analysis Module:												
Vol/Sat:	0.04	0.23	0.23	0.09	0.28	0.28	0.03	0.12	0.04	0.04	0.12	0.08
Crit Moves:	****				****			****			****	
Green/Cycle:	0.07	0.38	0.38	0.15	0.46	0.46	0.19	0.19	0.26	0.20	0.20	0.35
Volume/Cap:	0.61	0.59	0.59	0.59	0.61	0.61	0.18	0.61	0.14	0.21	0.61	0.24
Delay/Veh:	76.3	37.7	37.7	63.2	31.1	31.1	50.9	58.6	42.4	50.6	57.3	35.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	76.3	37.7	37.7	63.2	31.1	31.1	50.9	58.6	42.4	50.6	57.3	35.3
LOS by Move:	E	D	D	E	C	C	D	E	D	D	E	D
HCM2kAvgQ:	4	15	15	7	17	17	2	10	2	3	10	4

Note: Queue reported is the number of cars per lane.

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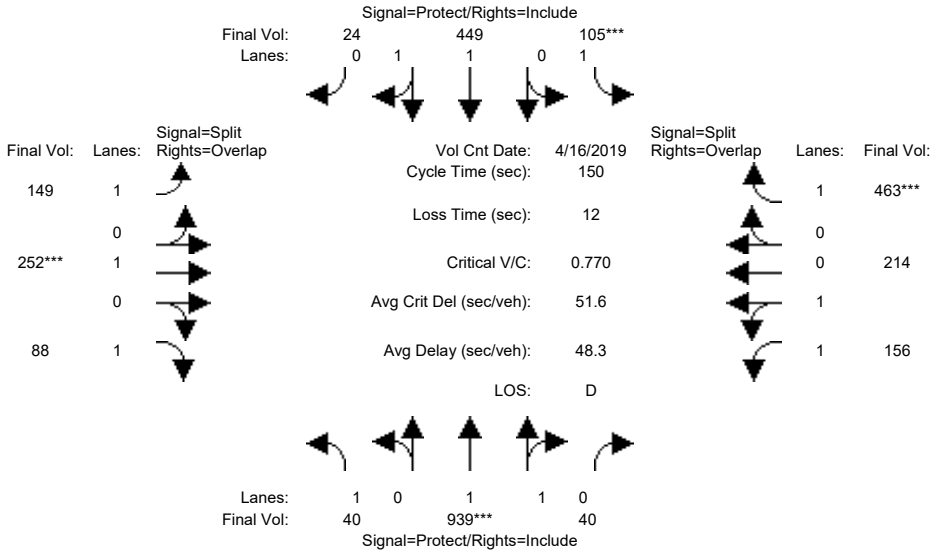
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Ex+Proj PM

Intersection #11: University Avenue and Bay Road



Street Name:	University Avenue						Bay Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 16 Apr 2019 <<												
Base Vol:	40	938	40	105	439	24	149	252	88	156	214	463
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	938	40	105	439	24	149	252	88	156	214	463
Added Vol:	0	1	0	0	10	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	939	40	105	449	24	149	252	88	156	214	463
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	939	40	105	449	24	149	252	88	156	214	463
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	939	40	105	449	24	149	252	88	156	214	463
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	40	939	40	105	449	24	149	252	88	156	214	463
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.92	0.92	0.92	0.93	0.98	0.83	0.96	0.96	0.83
Lanes:	1.00	1.92	0.08	1.00	1.90	0.10	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1753	3342	142	1753	3301	176	1769	1862	1583	1823	1823	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.28	0.28	0.06	0.14	0.14	0.08	0.14	0.06	0.09	0.12	0.29
Crit Moves:		****		****				****				****
Green/Cycle:	0.11	0.36	0.36	0.08	0.33	0.33	0.18	0.18	0.29	0.30	0.30	0.38
Volume/Cap:	0.20	0.77	0.77	0.77	0.41	0.41	0.48	0.77	0.19	0.28	0.39	0.77
Delay/Veh:	60.9	45.1	45.1	91.0	39.3	39.3	56.8	69.6	40.4	40.1	41.7	46.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	60.9	45.1	45.1	91.0	39.3	39.3	56.8	69.6	40.4	40.1	41.7	46.9
LOS by Move:	E	D	D	F	D	D	E	E	D	D	D	D
HCM2kAvgQ:	2	22	22	6	9	9	6	13	3	5	8	20

Note: Queue reported is the number of cars per lane.

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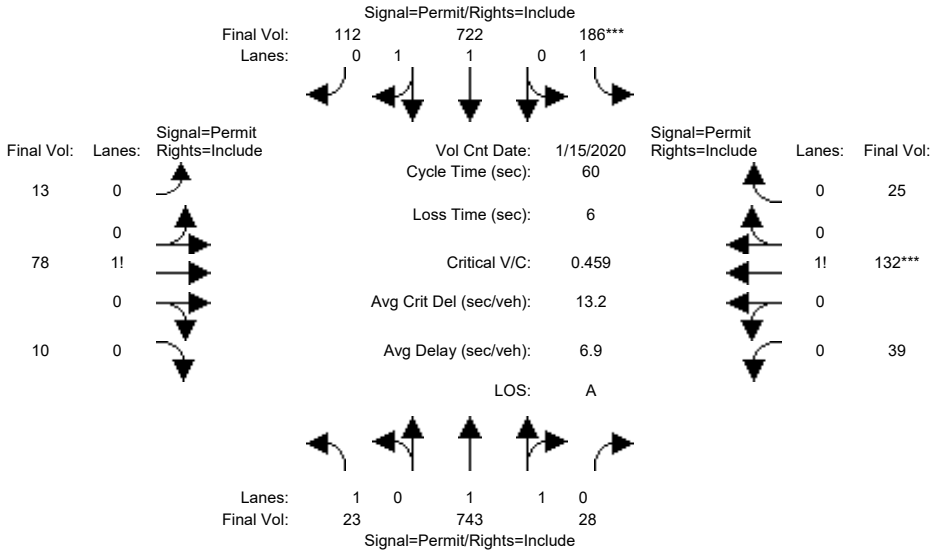
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #12: University Avenue and Runnymede Street



Street Name:	University Avenue						Runnymede Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 15 Jan 2020 <<												
Base Vol:	23	743	28	186	722	112	13	78	10	39	132	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	743	28	186	722	112	13	78	10	39	132	25
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	743	28	186	722	112	13	78	10	39	132	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	743	28	186	722	112	13	78	10	39	132	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	743	28	186	722	112	13	78	10	39	132	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	743	28	186	722	112	13	78	10	39	132	25
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.30	0.95	0.95	0.33	0.93	0.93	0.94	0.94	0.94	0.91	0.91	0.91
Lanes:	1.00	1.93	0.07	1.00	1.73	0.27	0.13	0.77	0.10	0.20	0.67	0.13
Final Sat.:	574	3462	130	619	3063	475	231	1385	178	345	1169	221
Capacity Analysis Module:												
Vol/Sat:	0.04	0.21	0.21	0.30	0.24	0.24	0.06	0.06	0.06	0.11	0.11	0.11
Crit Moves:				****							****	
Green/Cycle:	0.65	0.65	0.65	0.65	0.65	0.65	0.25	0.25	0.25	0.25	0.25	0.25
Volume/Cap:	0.06	0.33	0.33	0.46	0.36	0.36	0.23	0.23	0.23	0.46	0.46	0.46
Delay/Veh:	3.8	4.7	4.7	6.0	4.8	4.8	18.3	18.3	18.3	20.0	20.0	20.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	3.8	4.7	4.7	6.0	4.8	4.8	18.3	18.3	18.3	20.0	20.0	20.0
LOS by Move:	A	A	A	A	A	A	B	B	B	C	C	C
HCM2kAvgQ:	0	3	3	2	4	4	2	2	2	4	4	4

Note: Queue reported is the number of cars per lane.

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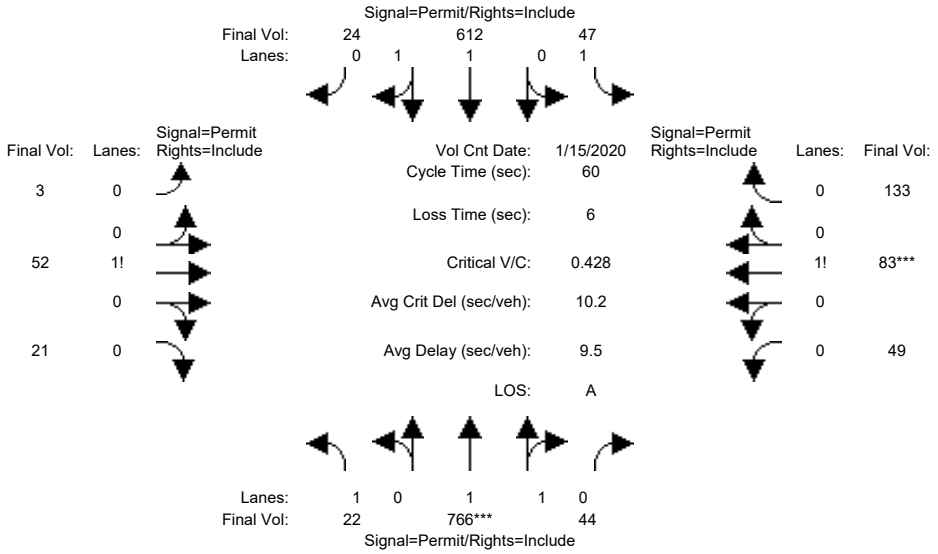
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #12: University Avenue and Runnymede Street



Street Name:	University Avenue						Runnymede Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 15 Jan 2020 <<												
Base Vol:	22	766	44	47	612	24	3	52	21	49	83	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	766	44	47	612	24	3	52	21	49	83	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	766	44	47	612	24	3	52	21	49	83	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	766	44	47	612	24	3	52	21	49	83	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	766	44	47	612	24	3	52	21	49	83	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	766	44	47	612	24	3	52	21	49	83	133
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.36	0.94	0.94	0.28	0.94	0.94	0.95	0.95	0.95	0.88	0.88	0.88
Lanes:	1.00	1.89	0.11	1.00	1.92	0.08	0.04	0.68	0.28	0.18	0.31	0.51
Final Sat.:	684	3387	195	530	3453	135	72	1241	501	308	521	835
Capacity Analysis Module:												
Vol/Sat:	0.03	0.23	0.23	0.09	0.18	0.18	0.04	0.04	0.04	0.16	0.16	0.16
Crit Moves:		****									****	
Green/Cycle:	0.53	0.53	0.53	0.53	0.53	0.53	0.37	0.37	0.37	0.37	0.37	0.37
Volume/Cap:	0.06	0.43	0.43	0.17	0.34	0.34	0.11	0.11	0.11	0.43	0.43	0.43
Delay/Veh:	7.0	8.8	8.8	7.6	8.2	8.2	12.4	12.4	12.4	14.6	14.6	14.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.0	8.8	8.8	7.6	8.2	8.2	12.4	12.4	12.4	14.6	14.6	14.6
LOS by Move:	A	A	A	A	A	A	B	B	B	B	B	B
HCM2kAvgQ:	0	5	5	1	4	4	1	1	1	4	4	4

Note: Queue reported is the number of cars per lane.

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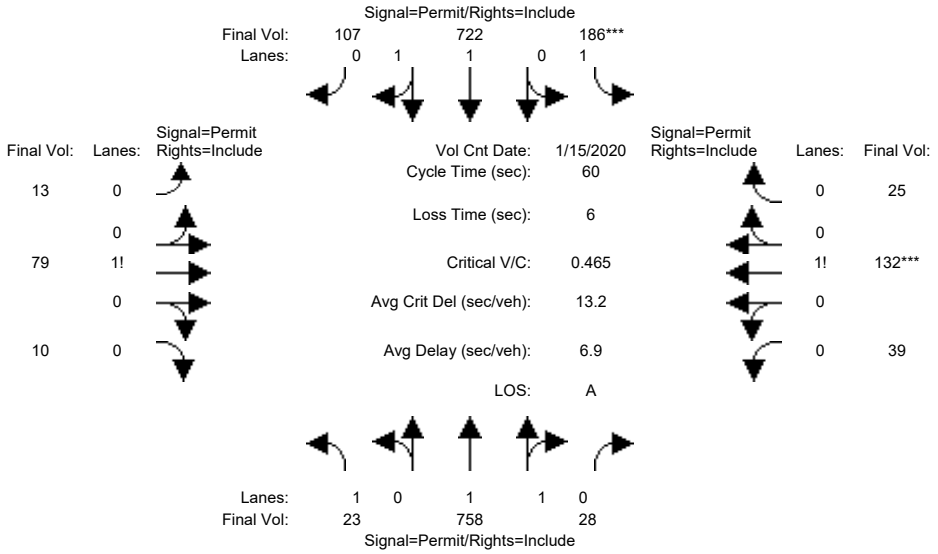
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Ex+Proj AM

Intersection #12: University Avenue and Runnymede Street



Street Name:	University Avenue						Runnymede Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 15 Jan 2020 <<												
Base Vol:	23	743	28	186	722	112	13	78	10	39	132	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	743	28	186	722	112	13	78	10	39	132	25
Added Vol:	0	15	0	0	0	-5	0	1	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	758	28	186	722	107	13	79	10	39	132	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	758	28	186	722	107	13	79	10	39	132	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	758	28	186	722	107	13	79	10	39	132	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	758	28	186	722	107	13	79	10	39	132	25
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.31	0.95	0.95	0.32	0.93	0.93	0.94	0.94	0.94	0.91	0.91	0.91
Lanes:	1.00	1.93	0.07	1.00	1.74	0.26	0.13	0.77	0.10	0.20	0.67	0.13
Final Sat.:	580	3464	128	610	3084	457	229	1390	176	345	1167	221
Capacity Analysis Module:												
Vol/Sat:	0.04	0.22	0.22	0.30	0.23	0.23	0.06	0.06	0.06	0.11	0.11	0.11
Crit Moves:				****							****	
Green/Cycle:	0.66	0.66	0.66	0.66	0.66	0.66	0.24	0.24	0.24	0.24	0.24	0.24
Volume/Cap:	0.06	0.33	0.33	0.46	0.36	0.36	0.23	0.23	0.23	0.46	0.46	0.46
Delay/Veh:	3.8	4.6	4.6	5.9	4.7	4.7	18.5	18.5	18.5	20.2	20.2	20.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	3.8	4.6	4.6	5.9	4.7	4.7	18.5	18.5	18.5	20.2	20.2	20.2
LOS by Move:	A	A	A	A	A	A	B	B	B	C	C	C
HCM2kAvgQ:	0	3	3	2	4	4	2	2	2	4	4	4

Note: Queue reported is the number of cars per lane.

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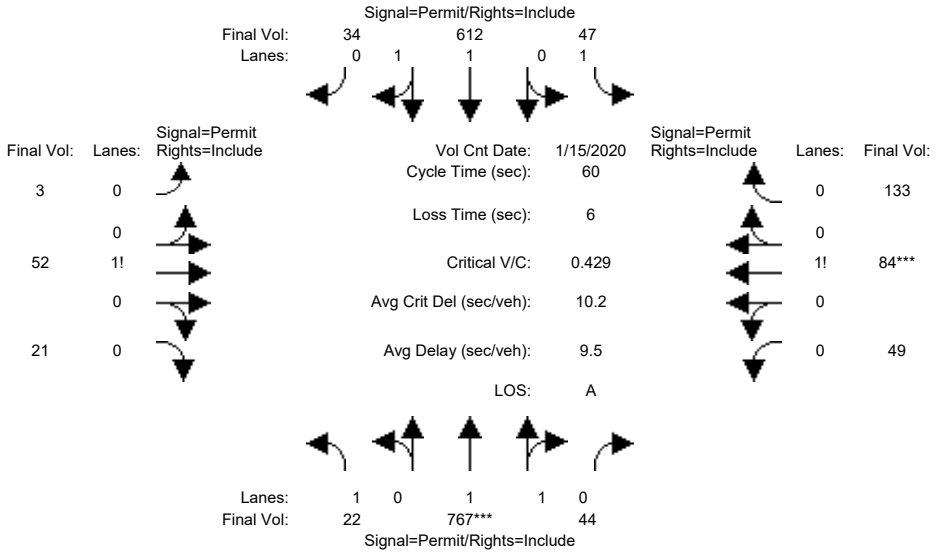
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Ex+Proj PM

Intersection #12: University Avenue and Runnymede Street



Street Name:	University Avenue						Runnymede Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 15 Jan 2020 <<												
Base Vol:	22	766	44	47	612	24	3	52	21	49	83	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	766	44	47	612	24	3	52	21	49	83	133
Added Vol:	0	1	0	0	0	10	0	0	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	767	44	47	612	34	3	52	21	49	84	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	767	44	47	612	34	3	52	21	49	84	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	767	44	47	612	34	3	52	21	49	84	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	767	44	47	612	34	3	52	21	49	84	133
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.36	0.94	0.94	0.28	0.94	0.94	0.95	0.95	0.95	0.88	0.88	0.88
Lanes:	1.00	1.89	0.11	1.00	1.89	0.11	0.04	0.68	0.28	0.18	0.32	0.50
Final Sat.:	675	3387	194	528	3393	188	72	1241	501	307	527	834
Capacity Analysis Module:												
Vol/Sat:	0.03	0.23	0.23	0.09	0.18	0.18	0.04	0.04	0.04	0.16	0.16	0.16
Crit Moves:		****									****	
Green/Cycle:	0.53	0.53	0.53	0.53	0.53	0.53	0.37	0.37	0.37	0.37	0.37	0.37
Volume/Cap:	0.06	0.43	0.43	0.17	0.34	0.34	0.11	0.11	0.11	0.43	0.43	0.43
Delay/Veh:	7.0	8.8	8.8	7.6	8.3	8.3	12.4	12.4	12.4	14.6	14.6	14.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.0	8.8	8.8	7.6	8.3	8.3	12.4	12.4	12.4	14.6	14.6	14.6
LOS by Move:	A	A	A	A	A	A	B	B	B	B	B	B
HCM2kAvgQ:	0	5	5	1	4	4	1	1	1	4	4	4

Note: Queue reported is the number of cars per lane.

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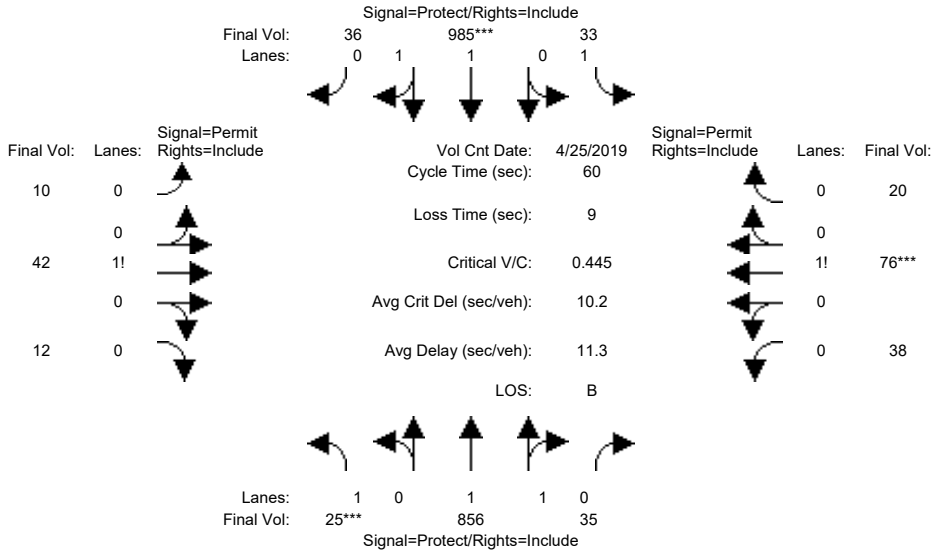
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #13: University Avenue and Bell Street



Street Name:	University Avenue						Bell Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 25 Apr 2019 << 9:00 - 10:00 AM												
Base Vol:	25	856	35	33	985	36	10	42	12	38	76	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	856	35	33	985	36	10	42	12	38	76	20
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	856	35	33	985	36	10	42	12	38	76	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	856	35	33	985	36	10	42	12	38	76	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	856	35	33	985	36	10	42	12	38	76	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	856	35	33	985	36	10	42	12	38	76	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.95	0.95	0.93	0.93	0.93	0.88	0.88	0.88
Lanes:	1.00	1.92	0.08	1.00	1.93	0.07	0.15	0.66	0.19	0.28	0.57	0.15
Final Sat.:	1805	3447	141	1805	3465	127	276	1159	331	474	948	250
Capacity Analysis Module:												
Vol/Sat:	0.01	0.25	0.25	0.02	0.28	0.28	0.04	0.04	0.04	0.08	0.08	0.08
Crit Moves:	****				****						****	
Green/Cycle:	0.12	0.46	0.46	0.22	0.57	0.57	0.17	0.17	0.17	0.17	0.17	0.17
Volume/Cap:	0.12	0.53	0.53	0.08	0.50	0.50	0.22	0.22	0.22	0.48	0.48	0.48
Delay/Veh:	24.0	11.8	11.8	18.8	8.1	8.1	22.0	22.0	22.0	24.0	24.0	24.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	24.0	11.8	11.8	18.8	8.1	8.1	22.0	22.0	22.0	24.0	24.0	24.0
LOS by Move:	C	B	B	B	A	A	C	C	C	C	C	C
HCM2kAvgQ:	0	6	6	0	6	6	1	1	1	3	3	3

Note: Queue reported is the number of cars per lane.

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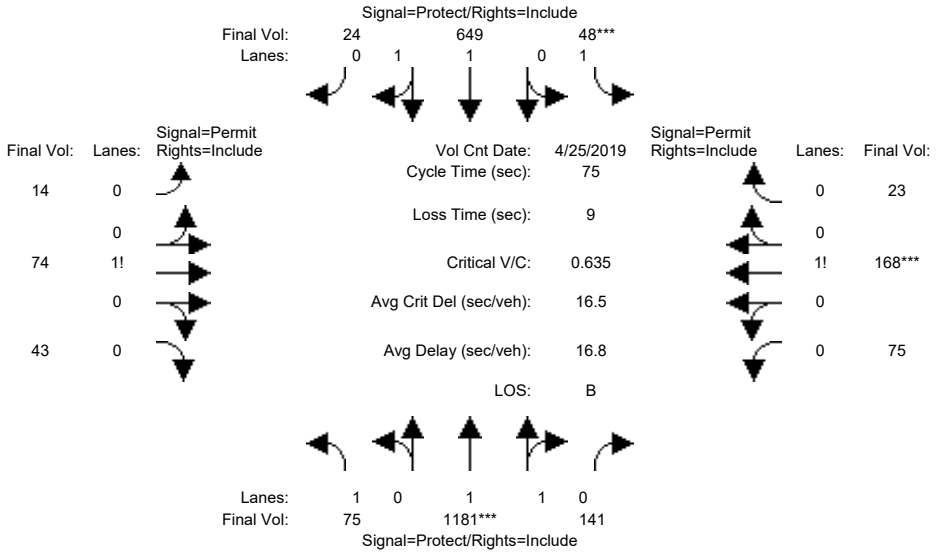
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #13: University Avenue and Bell Street



Street Name:	University Avenue						Bell Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 25 Apr 2019 << 4:00 - 5:00 pm												
Base Vol:	75	1181	141	48	649	24	14	74	43	75	168	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	1181	141	48	649	24	14	74	43	75	168	23
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	1181	141	48	649	24	14	74	43	75	168	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	75	1181	141	48	649	24	14	74	43	75	168	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1181	141	48	649	24	14	74	43	75	168	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	75	1181	141	48	649	24	14	74	43	75	168	23
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.93	0.93	0.95	0.95	0.95	0.92	0.92	0.92	0.87	0.87	0.87
Lanes:	1.00	1.79	0.21	1.00	1.93	0.07	0.11	0.56	0.33	0.28	0.63	0.09
Final Sat.:	1805	3173	379	1805	3464	128	187	990	575	468	1049	144
Capacity Analysis Module:												
Vol/Sat:	0.04	0.37	0.37	0.03	0.19	0.19	0.07	0.07	0.07	0.16	0.16	0.16
Crit Moves:		****		****							****	
Green/Cycle:	0.21	0.55	0.55	0.09	0.43	0.43	0.24	0.24	0.24	0.24	0.24	0.24
Volume/Cap:	0.19	0.68	0.68	0.28	0.44	0.44	0.32	0.32	0.32	0.68	0.68	0.68
Delay/Veh:	24.4	13.1	13.1	32.6	15.2	15.2	24.1	24.1	24.1	30.7	30.7	30.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	24.4	13.1	13.1	32.6	15.2	15.2	24.1	24.1	24.1	30.7	30.7	30.7
LOS by Move:	C	B	B	C	B	B	C	C	C	C	C	C
HCM2kAvgQ:	1	12	12	1	6	6	3	3	3	7	7	7

Note: Queue reported is the number of cars per lane.

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2120 - 2160 Euclid Ave
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City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Ex+Proj AM

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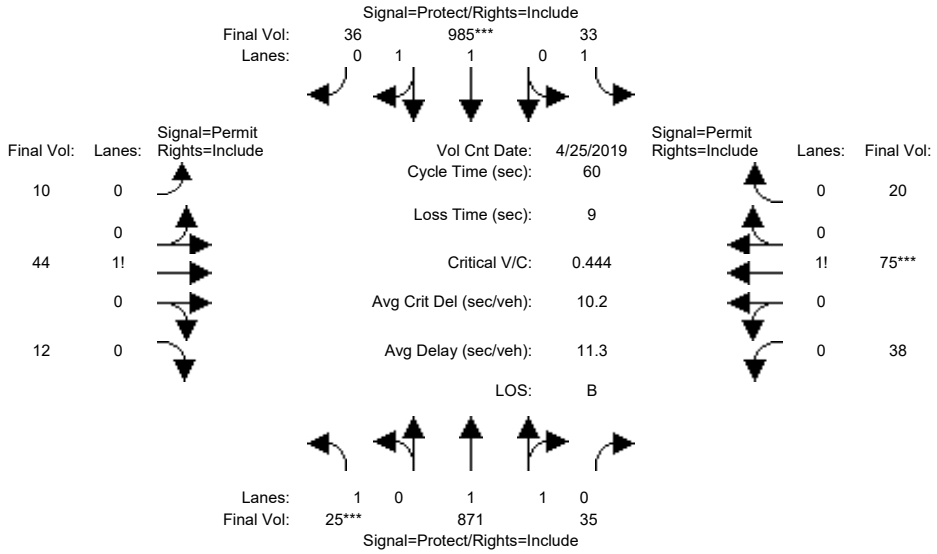

Street Name:	University Avenue						Bell Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 25 Apr 2019 << 9:00 - 10:00 AM												
Base Vol:	25	856	35	33	985	36	10	42	12	38	76	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	856	35	33	985	36	10	42	12	38	76	20
Added Vol:	0	15	0	0	0	0	0	2	0	0	-1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	871	35	33	985	36	10	44	12	38	75	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	871	35	33	985	36	10	44	12	38	75	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	871	35	33	985	36	10	44	12	38	75	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	871	35	33	985	36	10	44	12	38	75	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.95	0.95	0.93	0.93	0.93	0.88	0.88	0.88
Lanes:	1.00	1.92	0.08	1.00	1.93	0.07	0.15	0.67	0.18	0.29	0.56	0.15
Final Sat.:	1805	3450	139	1805	3465	127	268	1178	321	477	942	251
Capacity Analysis Module:												
Vol/Sat:	0.01	0.25	0.25	0.02	0.28	0.28	0.04	0.04	0.04	0.08	0.08	0.08
Crit Moves:	****				****						****	
Green/Cycle:	0.12	0.47	0.47	0.22	0.57	0.57	0.17	0.17	0.17	0.17	0.17	0.17
Volume/Cap:	0.12	0.54	0.54	0.08	0.50	0.50	0.22	0.22	0.22	0.48	0.48	0.48
Delay/Veh:	24.0	11.7	11.7	18.9	8.1	8.1	22.0	22.0	22.0	23.9	23.9	23.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	24.0	11.7	11.7	18.9	8.1	8.1	22.0	22.0	22.0	23.9	23.9	23.9
LOS by Move:	C	B	B	B	A	A	C	C	C	C	C	C
HCM2kAvgQ:	0	6	6	0	6	6	1	1	1	3	3	3

Note: Queue reported is the number of cars per lane.

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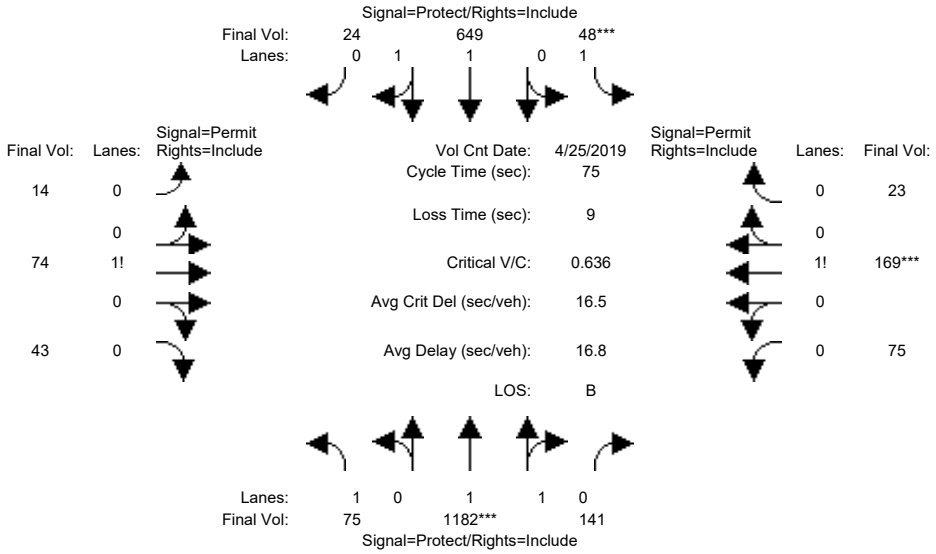
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Ex+Proj PM

Intersection #13: University Avenue and Bell Street



Street Name:	University Avenue						Bell Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 25 Apr 2019 << 4:00 - 5:00 pm												
Base Vol:	75	1181	141	48	649	24	14	74	43	75	168	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	1181	141	48	649	24	14	74	43	75	168	23
Added Vol:	0	1	0	0	0	0	0	0	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	1182	141	48	649	24	14	74	43	75	169	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	75	1182	141	48	649	24	14	74	43	75	169	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1182	141	48	649	24	14	74	43	75	169	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	75	1182	141	48	649	24	14	74	43	75	169	23
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.93	0.93	0.95	0.95	0.95	0.92	0.92	0.92	0.88	0.88	0.88
Lanes:	1.00	1.79	0.21	1.00	1.93	0.07	0.11	0.56	0.33	0.28	0.63	0.09
Final Sat.:	1805	3174	379	1805	3464	128	187	990	575	467	1053	143
Capacity Analysis Module:												
Vol/Sat:	0.04	0.37	0.37	0.03	0.19	0.19	0.07	0.07	0.07	0.16	0.16	0.16
Crit Moves:		****		****							****	
Green/Cycle:	0.21	0.55	0.55	0.09	0.43	0.43	0.24	0.24	0.24	0.24	0.24	0.24
Volume/Cap:	0.19	0.68	0.68	0.28	0.44	0.44	0.32	0.32	0.32	0.68	0.68	0.68
Delay/Veh:	24.4	13.1	13.1	32.6	15.2	15.2	24.0	24.0	24.0	30.7	30.7	30.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	24.4	13.1	13.1	32.6	15.2	15.2	24.0	24.0	24.0	30.7	30.7	30.7
LOS by Move:	C	B	B	C	B	B	C	C	C	C	C	C
HCM2kAvgQ:	1	12	12	1	6	6	3	3	3	7	7	7

Note: Queue reported is the number of cars per lane.

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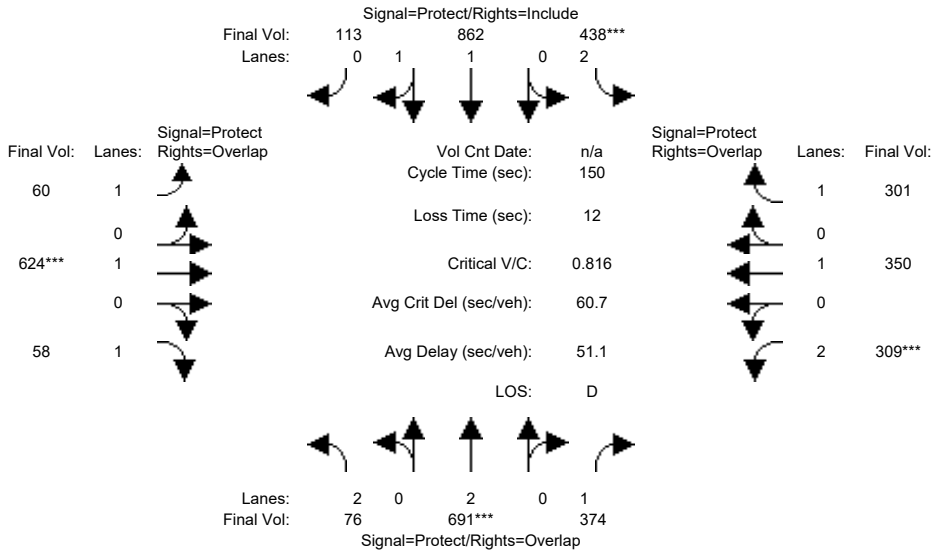
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul No Proj AM

Intersection #11: University Avenue and Bay Road



Street Name:	University Avenue						Bay Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	76	691	374	438	862	113	60	624	58	309	350	301
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	691	374	438	862	113	60	624	58	309	350	301
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	691	374	438	862	113	60	624	58	309	350	301
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	691	374	438	862	113	60	624	58	309	350	301
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	691	374	438	862	113	60	624	58	309	350	301
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	691	374	438	862	113	60	624	58	309	350	301
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.92	0.83	0.89	0.91	0.91	0.93	0.98	0.83	0.90	0.98	0.83
Lanes:	2.00	2.00	1.00	2.00	1.77	0.23	1.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3400	3505	1568	3400	3046	399	1769	1862	1583	3432	1862	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.20	0.24	0.13	0.28	0.28	0.03	0.34	0.04	0.09	0.19	0.19
Crit Moves:		****		****				****		****		
Green/Cycle:	0.06	0.24	0.35	0.16	0.34	0.34	0.10	0.41	0.47	0.11	0.42	0.57
Volume/Cap:	0.40	0.82	0.68	0.82	0.83	0.83	0.33	0.82	0.08	0.82	0.45	0.33
Delay/Veh:	69.6	60.0	44.8	70.5	50.1	50.1	63.4	46.0	22.2	78.2	31.8	16.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	69.6	60.0	44.8	70.5	50.1	50.1	63.4	46.0	22.2	78.2	31.8	16.9
LOS by Move:	E	E	D	E	D	D	E	D	C	E	C	B
HCM2kAvgQ:	2	18	15	12	23	23	3	27	1	9	11	7

Note: Queue reported is the number of cars per lane.

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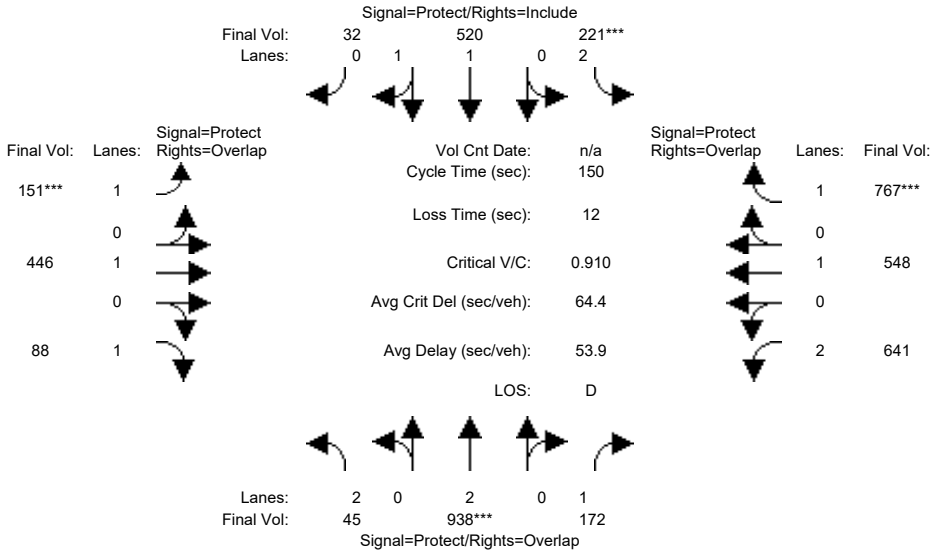
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul No Proj PM

Intersection #11: University Avenue and Bay Road



Street Name:	University Avenue						Bay Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	45	938	172	221	520	32	151	446	88	641	548	767
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	938	172	221	520	32	151	446	88	641	548	767
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	45	938	172	221	520	32	151	446	88	641	548	767
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	45	938	172	221	520	32	151	446	88	641	548	767
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	938	172	221	520	32	151	446	88	641	548	767
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	45	938	172	221	520	32	151	446	88	641	548	767
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.92	0.83	0.89	0.91	0.91	0.93	0.98	0.83	0.90	0.98	0.83
Lanes:	2.00	2.00	1.00	2.00	1.88	0.12	1.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3400	3505	1568	3400	3272	201	1769	1862	1583	3432	1862	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.27	0.11	0.06	0.16	0.16	0.09	0.24	0.06	0.19	0.29	0.48
Crit Moves:		****		****			****					****
Green/Cycle:	0.08	0.29	0.54	0.07	0.28	0.28	0.09	0.31	0.39	0.24	0.46	0.53
Volume/Cap:	0.16	0.91	0.20	0.91	0.56	0.56	0.91	0.77	0.14	0.77	0.64	0.91
Delay/Veh:	64.2	62.8	18.2	103.9	46.7	46.7	112.1	52.9	29.2	57.2	32.5	45.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	64.2	62.8	18.2	103.9	46.7	46.7	112.1	52.9	29.2	57.2	32.5	45.7
LOS by Move:	E	E	B	F	D	D	F	D	C	E	C	D
HCM2kAvgQ:	1	25	4	8	12	12	10	20	3	16	19	35

Note: Queue reported is the number of cars per lane.

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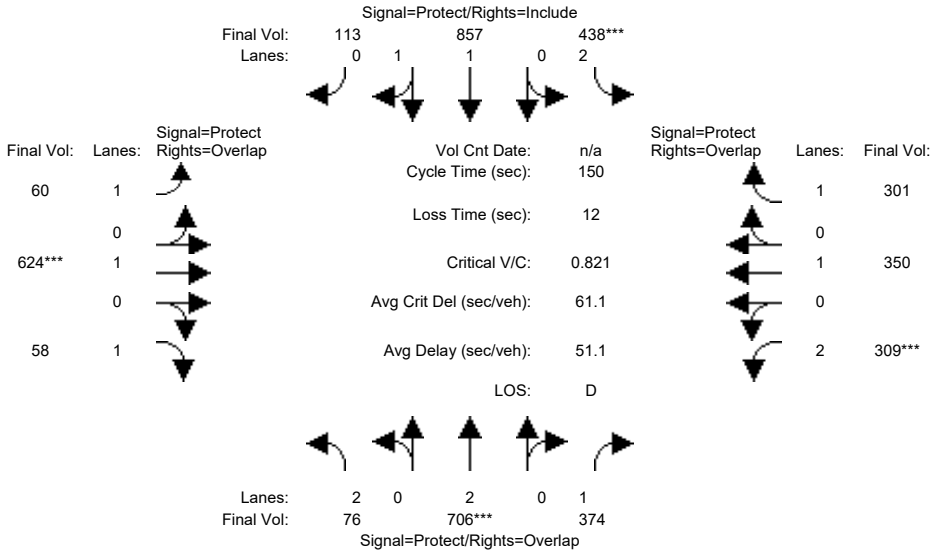
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul+Proj AM

Intersection #11: University Avenue and Bay Road



Street Name:	University Avenue						Bay Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	76	691	374	438	862	113	60	624	58	309	350	301
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	691	374	438	862	113	60	624	58	309	350	301
Added Vol:	0	15	0	0	-5	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	706	374	438	857	113	60	624	58	309	350	301
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	706	374	438	857	113	60	624	58	309	350	301
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	706	374	438	857	113	60	624	58	309	350	301
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	706	374	438	857	113	60	624	58	309	350	301
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.92	0.83	0.89	0.91	0.91	0.93	0.98	0.83	0.90	0.98	0.83
Lanes:	2.00	2.00	1.00	2.00	1.77	0.23	1.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3400	3505	1568	3400	3044	401	1769	1862	1583	3432	1862	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.20	0.24	0.13	0.28	0.28	0.03	0.34	0.04	0.09	0.19	0.19
Crit Moves:		****		****				****		****		
Green/Cycle:	0.06	0.25	0.35	0.16	0.34	0.34	0.10	0.41	0.47	0.11	0.41	0.57
Volume/Cap:	0.39	0.82	0.67	0.82	0.82	0.82	0.33	0.82	0.08	0.82	0.45	0.33
Delay/Veh:	69.5	59.8	44.2	71.0	49.3	49.3	63.5	46.6	22.3	78.8	32.1	17.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	69.5	59.8	44.2	71.0	49.3	49.3	63.5	46.6	22.3	78.8	32.1	17.2
LOS by Move:	E	E	D	E	D	D	E	D	C	E	C	B
HCM2kAvgQ:	2	18	15	12	23	23	3	27	1	9	11	7

Note: Queue reported is the number of cars per lane.

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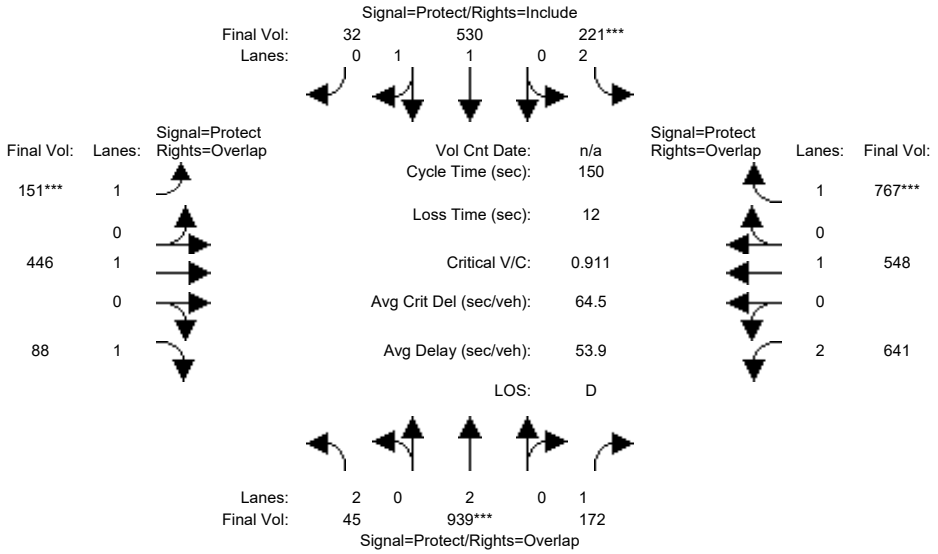
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul+Proj PM

Intersection #11: University Avenue and Bay Road



Street Name:	University Avenue						Bay Road					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	45	938	172	221	520	32	151	446	88	641	548	767
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	938	172	221	520	32	151	446	88	641	548	767
Added Vol:	0	1	0	0	10	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	45	939	172	221	530	32	151	446	88	641	548	767
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	45	939	172	221	530	32	151	446	88	641	548	767
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	939	172	221	530	32	151	446	88	641	548	767
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	45	939	172	221	530	32	151	446	88	641	548	767
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.92	0.83	0.89	0.91	0.91	0.93	0.98	0.83	0.90	0.98	0.83
Lanes:	2.00	2.00	1.00	2.00	1.89	0.11	1.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3400	3505	1568	3400	3276	198	1769	1862	1583	3432	1862	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.27	0.11	0.06	0.16	0.16	0.09	0.24	0.06	0.19	0.29	0.48
Crit Moves:		****		****			****					****
Green/Cycle:	0.08	0.29	0.54	0.07	0.28	0.28	0.09	0.31	0.39	0.24	0.46	0.53
Volume/Cap:	0.16	0.91	0.20	0.91	0.57	0.57	0.91	0.77	0.14	0.77	0.64	0.91
Delay/Veh:	64.4	62.8	18.2	103.9	46.7	46.7	112.2	52.9	29.3	57.2	32.5	45.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	64.4	62.8	18.2	103.9	46.7	46.7	112.2	52.9	29.3	57.2	32.5	45.7
LOS by Move:	E	E	B	F	D	D	F	D	C	E	C	D
HCM2kAvgQ:	1	25	4	8	12	12	10	20	3	16	19	35

Note: Queue reported is the number of cars per lane.

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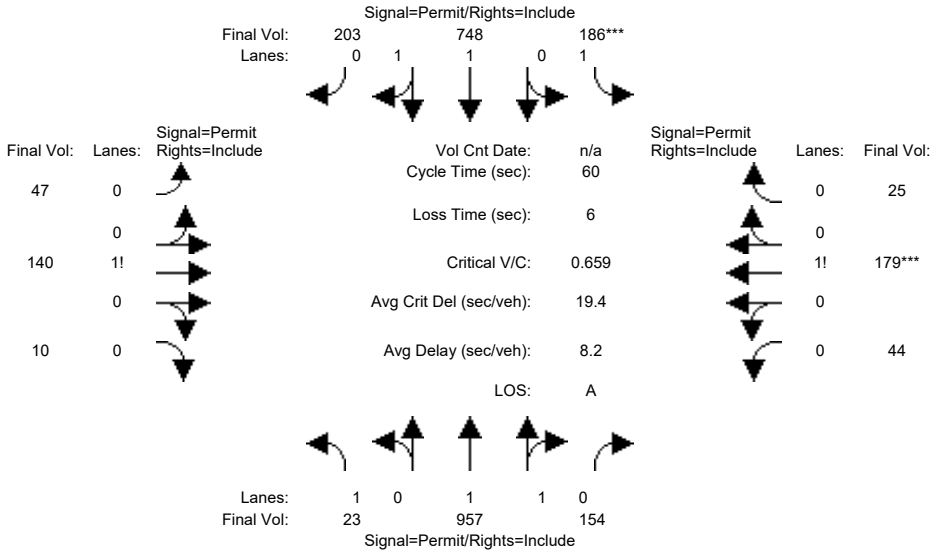
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul No Proj AM

Intersection #12: University Avenue and Runnymede Street



Street Name:	University Avenue						Runnymede Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	23	957	154	186	748	203	47	140	10	44	179	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	957	154	186	748	203	47	140	10	44	179	25
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	957	154	186	748	203	47	140	10	44	179	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	957	154	186	748	203	47	140	10	44	179	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	957	154	186	748	203	47	140	10	44	179	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	957	154	186	748	203	47	140	10	44	179	25
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.27	0.93	0.93	0.22	0.92	0.92	0.84	0.84	0.84	0.91	0.91	0.91
Lanes:	1.00	1.72	0.28	1.00	1.57	0.43	0.24	0.71	0.05	0.18	0.72	0.10
Final Sat.:	513	3044	490	414	2749	746	379	1128	81	306	1244	174
Capacity Analysis Module:												
Vol/Sat:	0.04	0.31	0.31	0.45	0.27	0.27	0.12	0.12	0.12	0.14	0.14	0.14
Crit Moves:				****							****	
Green/Cycle:	0.68	0.68	0.68	0.68	0.68	0.68	0.22	0.22	0.22	0.22	0.22	0.22
Volume/Cap:	0.07	0.46	0.46	0.66	0.40	0.40	0.57	0.57	0.57	0.66	0.66	0.66
Delay/Veh:	3.3	4.6	4.6	11.2	4.3	4.3	23.2	23.2	23.2	25.7	25.7	25.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	3.3	4.6	4.6	11.2	4.3	4.3	23.2	23.2	23.2	25.7	25.7	25.7
LOS by Move:	A	A	A	B	A	A	C	C	C	C	C	C
HCM2kAvgQ:	0	5	5	3	4	4	4	4	4	6	6	6

Note: Queue reported is the number of cars per lane.

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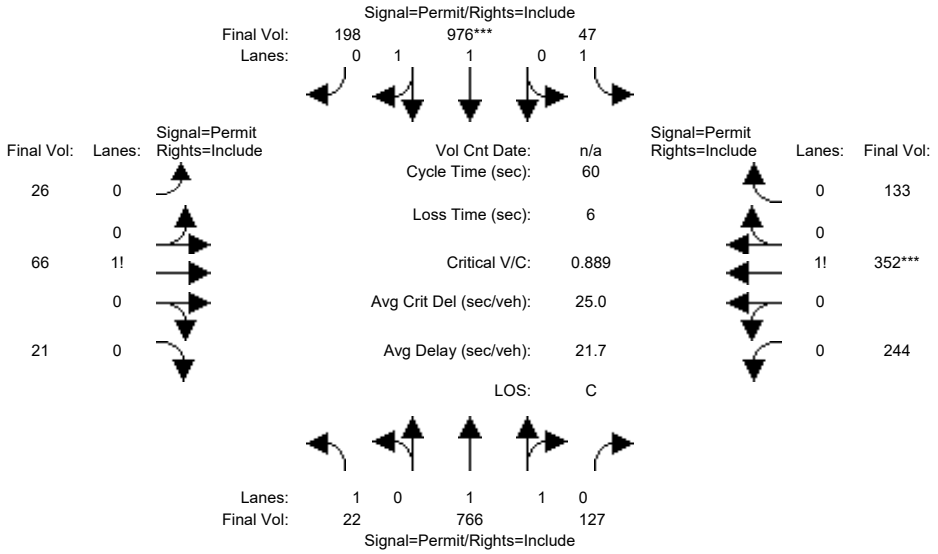
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul No Proj PM

Intersection #12: University Avenue and Runnymede Street



Street Name:	University Avenue						Runnymede Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	22	766	127	47	976	198	26	66	21	244	352	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	766	127	47	976	198	26	66	21	244	352	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	766	127	47	976	198	26	66	21	244	352	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	766	127	47	976	198	26	66	21	244	352	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	766	127	47	976	198	26	66	21	244	352	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	766	127	47	976	198	26	66	21	244	352	133
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.18	0.93	0.93	0.18	0.93	0.93	0.82	0.82	0.82	0.82	0.82	0.82
Lanes:	1.00	1.72	0.28	1.00	1.66	0.34	0.23	0.58	0.19	0.33	0.49	0.18
Final Sat.:	338	3032	503	338	2926	594	360	914	291	523	755	285
Capacity Analysis Module:												
Vol/Sat:	0.07	0.25	0.25	0.14	0.33	0.33	0.07	0.07	0.07	0.47	0.47	0.47
Crit Moves:					****						****	
Green/Cycle:	0.38	0.38	0.38	0.38	0.38	0.38	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.17	0.67	0.67	0.37	0.89	0.89	0.14	0.14	0.14	0.89	0.89	0.89
Delay/Veh:	13.2	17.0	17.0	15.4	25.3	25.3	7.4	7.4	7.4	24.4	24.4	24.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	13.2	17.0	17.0	15.4	25.3	25.3	7.4	7.4	7.4	24.4	24.4	24.4
LOS by Move:	B	B	B	B	C	C	A	A	A	C	C	C
HCM2kAvgQ:	0	7	7	1	15	15	1	1	1	16	16	16

Note: Queue reported is the number of cars per lane.

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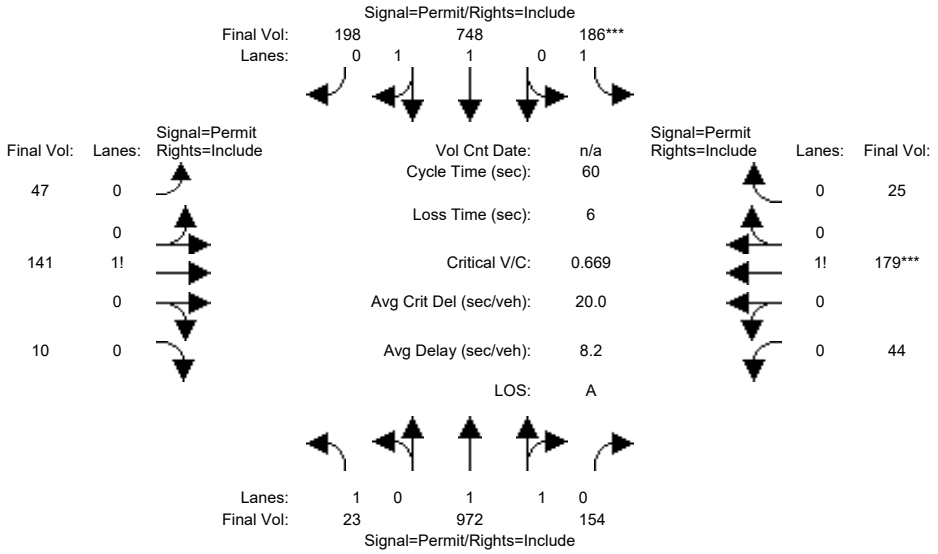
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul+Proj AM

Intersection #12: University Avenue and Runnymede Street



Street Name:	University Avenue						Runnymede Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	23	957	154	186	748	203	47	140	10	44	179	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	957	154	186	748	203	47	140	10	44	179	25
Added Vol:	0	15	0	0	0	-5	0	1	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	972	154	186	748	198	47	141	10	44	179	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	972	154	186	748	198	47	141	10	44	179	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	972	154	186	748	198	47	141	10	44	179	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	972	154	186	748	198	47	141	10	44	179	25
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.27	0.93	0.93	0.21	0.92	0.92	0.83	0.83	0.83	0.91	0.91	0.91
Lanes:	1.00	1.73	0.27	1.00	1.58	0.42	0.24	0.71	0.05	0.18	0.72	0.10
Final Sat.:	517	3051	483	407	2766	732	375	1126	80	305	1241	173
Capacity Analysis Module:												
Vol/Sat:	0.04	0.32	0.32	0.46	0.27	0.27	0.13	0.13	0.13	0.14	0.14	0.14
Crit Moves:				****							****	
Green/Cycle:	0.68	0.68	0.68	0.68	0.68	0.68	0.22	0.22	0.22	0.22	0.22	0.22
Volume/Cap:	0.07	0.47	0.47	0.67	0.40	0.40	0.58	0.58	0.58	0.67	0.67	0.67
Delay/Veh:	3.2	4.5	4.5	11.6	4.2	4.2	23.6	23.6	23.6	26.2	26.2	26.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	3.2	4.5	4.5	11.6	4.2	4.2	23.6	23.6	23.6	26.2	26.2	26.2
LOS by Move:	A	A	A	B	A	A	C	C	C	C	C	C
HCM2kAvgQ:	0	5	5	4	4	4	4	4	4	6	6	6

Note: Queue reported is the number of cars per lane.

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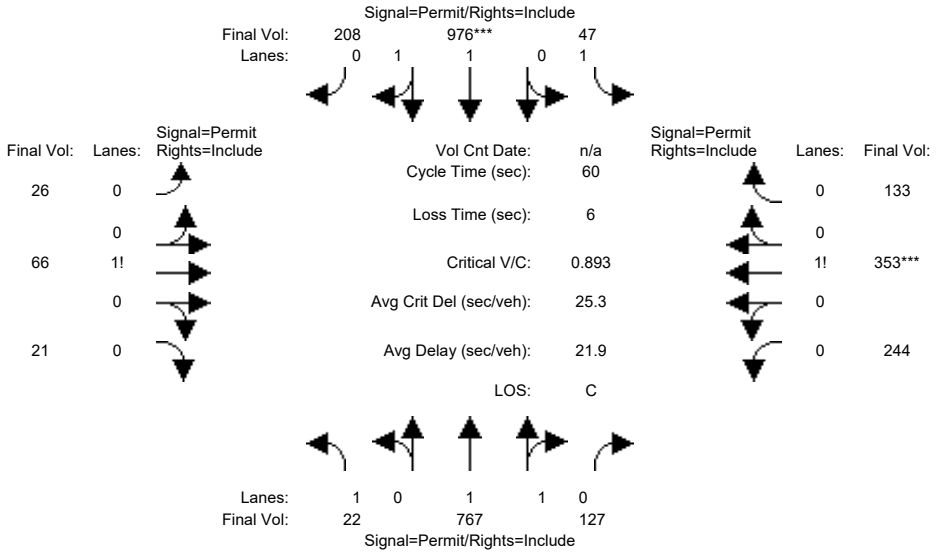
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul+Proj PM

Intersection #12: University Avenue and Runnymede Street



Street Name:	University Avenue						Runnymede Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	22	766	127	47	976	198	26	66	21	244	352	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	766	127	47	976	198	26	66	21	244	352	133
Added Vol:	0	1	0	0	0	10	0	0	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	767	127	47	976	208	26	66	21	244	353	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	767	127	47	976	208	26	66	21	244	353	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	767	127	47	976	208	26	66	21	244	353	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	767	127	47	976	208	26	66	21	244	353	133
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.18	0.93	0.93	0.18	0.93	0.93	0.82	0.82	0.82	0.82	0.82	0.82
Lanes:	1.00	1.72	0.28	1.00	1.65	0.35	0.23	0.58	0.19	0.33	0.49	0.18
Final Sat.:	336	3032	502	336	2898	618	360	913	291	523	756	285
Capacity Analysis Module:												
Vol/Sat:	0.07	0.25	0.25	0.14	0.34	0.34	0.07	0.07	0.07	0.47	0.47	0.47
Crit Moves:					****						****	
Green/Cycle:	0.38	0.38	0.38	0.38	0.38	0.38	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.17	0.67	0.67	0.37	0.89	0.89	0.14	0.14	0.14	0.89	0.89	0.89
Delay/Veh:	13.1	16.9	16.9	15.4	25.6	25.6	7.4	7.4	7.4	25.0	25.0	25.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	13.1	16.9	16.9	15.4	25.6	25.6	7.4	7.4	7.4	25.0	25.0	25.0
LOS by Move:	B	B	B	B	C	C	A	A	A	C	C	C
HCM2kAvgQ:	0	7	7	1	15	15	1	1	1	16	16	16

Note: Queue reported is the number of cars per lane.

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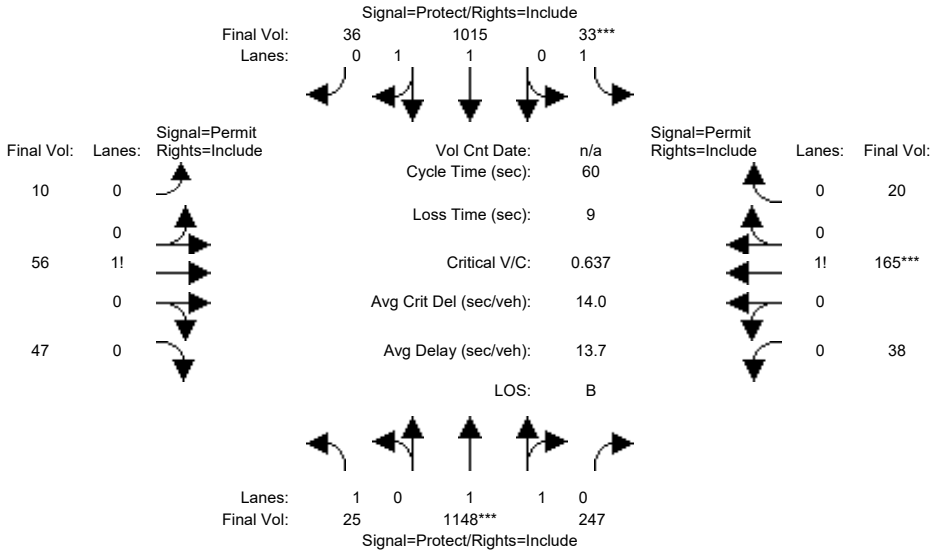
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul No Proj AM

Intersection #13: University Avenue and Bell Street



Street Name:	University Avenue						Bell Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	25	1148	247	33	1015	36	10	56	47	38	165	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	1148	247	33	1015	36	10	56	47	38	165	20
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	1148	247	33	1015	36	10	56	47	38	165	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	1148	247	33	1015	36	10	56	47	38	165	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	1148	247	33	1015	36	10	56	47	38	165	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	1148	247	33	1015	36	10	56	47	38	165	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.92	0.92	0.95	0.95	0.95	0.91	0.91	0.91	0.93	0.93	0.93
Lanes:	1.00	1.65	0.35	1.00	1.93	0.07	0.09	0.49	0.42	0.17	0.74	0.09
Final Sat.:	1805	2891	622	1805	3469	123	153	858	720	301	1307	158
Capacity Analysis Module:												
Vol/Sat:	0.01	0.40	0.40	0.02	0.29	0.29	0.07	0.07	0.07	0.13	0.13	0.13
Crit Moves:		****		****							****	
Green/Cycle:	0.19	0.56	0.56	0.12	0.48	0.48	0.18	0.18	0.18	0.18	0.18	0.18
Volume/Cap:	0.07	0.71	0.71	0.16	0.61	0.61	0.37	0.37	0.37	0.71	0.71	0.71
Delay/Veh:	20.0	11.1	11.1	24.2	12.0	12.0	22.5	22.5	22.5	30.8	30.8	30.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	20.0	11.1	11.1	24.2	12.0	12.0	22.5	22.5	22.5	30.8	30.8	30.8
LOS by Move:	B	B	B	C	B	B	C	C	C	C	C	C
HCM2kAvgQ:	0	10	10	1	7	7	2	2	2	6	6	6

Note: Queue reported is the number of cars per lane.

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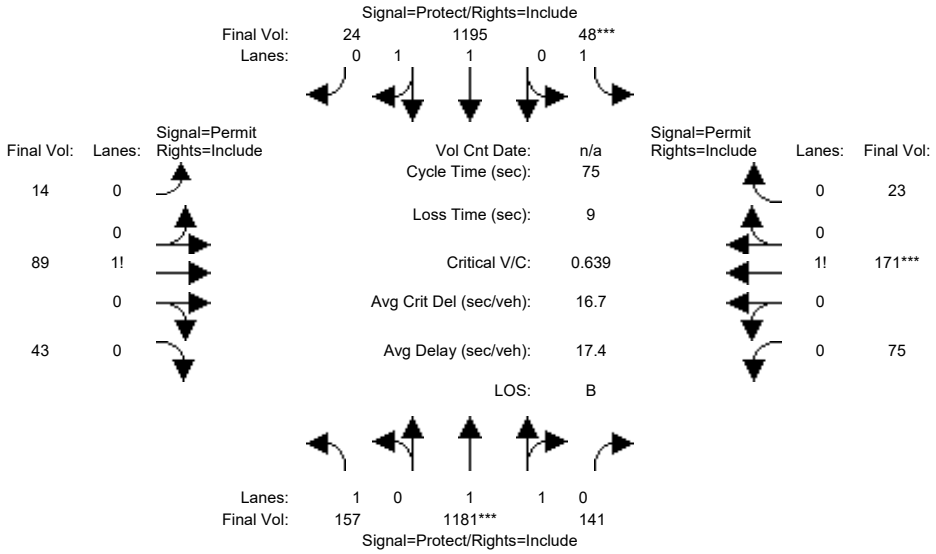
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul No Proj PM

Intersection #13: University Avenue and Bell Street



Street Name:	University Avenue						Bell Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	157	1181	141	48	1195	24	14	89	43	75	171	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	157	1181	141	48	1195	24	14	89	43	75	171	23
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	157	1181	141	48	1195	24	14	89	43	75	171	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	157	1181	141	48	1195	24	14	89	43	75	171	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	157	1181	141	48	1195	24	14	89	43	75	171	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	157	1181	141	48	1195	24	14	89	43	75	171	23
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.93	0.93	0.95	0.95	0.95	0.93	0.93	0.93	0.87	0.87	0.87
Lanes:	1.00	1.79	0.21	1.00	1.96	0.04	0.10	0.61	0.29	0.28	0.64	0.08
Final Sat.:	1805	3173	379	1805	3528	71	169	1076	520	458	1045	141
Capacity Analysis Module:												
Vol/Sat:	0.09	0.37	0.37	0.03	0.34	0.34	0.08	0.08	0.08	0.16	0.16	0.16
Crit Moves:		****		****							****	
Green/Cycle:	0.14	0.55	0.55	0.09	0.50	0.50	0.24	0.24	0.24	0.24	0.24	0.24
Volume/Cap:	0.63	0.68	0.68	0.28	0.68	0.68	0.34	0.34	0.34	0.68	0.68	0.68
Delay/Veh:	35.6	13.3	13.3	32.6	15.1	15.1	24.1	24.1	24.1	30.7	30.7	30.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.6	13.3	13.3	32.6	15.1	15.1	24.1	24.1	24.1	30.7	30.7	30.7
LOS by Move:	D	B	B	C	B	B	C	C	C	C	C	C
HCM2kAvgQ:	4	12	12	1	10	10	3	3	3	7	7	7

Note: Queue reported is the number of cars per lane.

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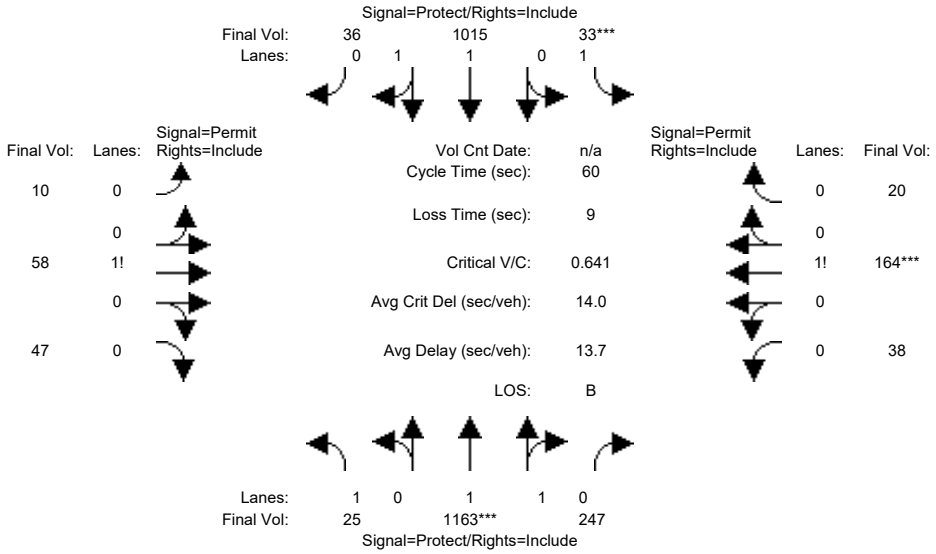
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul+Proj AM

Intersection #13: University Avenue and Bell Street



Street Name:	University Avenue						Bell Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	25	1148	247	33	1015	36	10	56	47	38	165	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	1148	247	33	1015	36	10	56	47	38	165	20
Added Vol:	0	15	0	0	0	0	0	2	0	0	-1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	1163	247	33	1015	36	10	58	47	38	164	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	1163	247	33	1015	36	10	58	47	38	164	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	1163	247	33	1015	36	10	58	47	38	164	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	1163	247	33	1015	36	10	58	47	38	164	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.93	0.93	0.95	0.95	0.95	0.91	0.91	0.91	0.93	0.93	0.93
Lanes:	1.00	1.65	0.35	1.00	1.93	0.07	0.09	0.50	0.41	0.17	0.74	0.09
Final Sat.:	1805	2900	616	1805	3469	123	151	873	707	303	1306	159
Capacity Analysis Module:												
Vol/Sat:	0.01	0.40	0.40	0.02	0.29	0.29	0.07	0.07	0.07	0.13	0.13	0.13
Crit Moves:		****		****							****	
Green/Cycle:	0.19	0.56	0.56	0.12	0.48	0.48	0.17	0.17	0.17	0.17	0.17	0.17
Volume/Cap:	0.07	0.72	0.72	0.16	0.61	0.61	0.38	0.38	0.38	0.72	0.72	0.72
Delay/Veh:	19.9	11.1	11.1	24.2	12.0	12.0	22.7	22.7	22.7	31.2	31.2	31.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	19.9	11.1	11.1	24.2	12.0	12.0	22.7	22.7	22.7	31.2	31.2	31.2
LOS by Move:	B	B	B	C	B	B	C	C	C	C	C	C
HCM2kAvgQ:	0	10	10	1	7	7	2	2	2	6	6	6

Note: Queue reported is the number of cars per lane.

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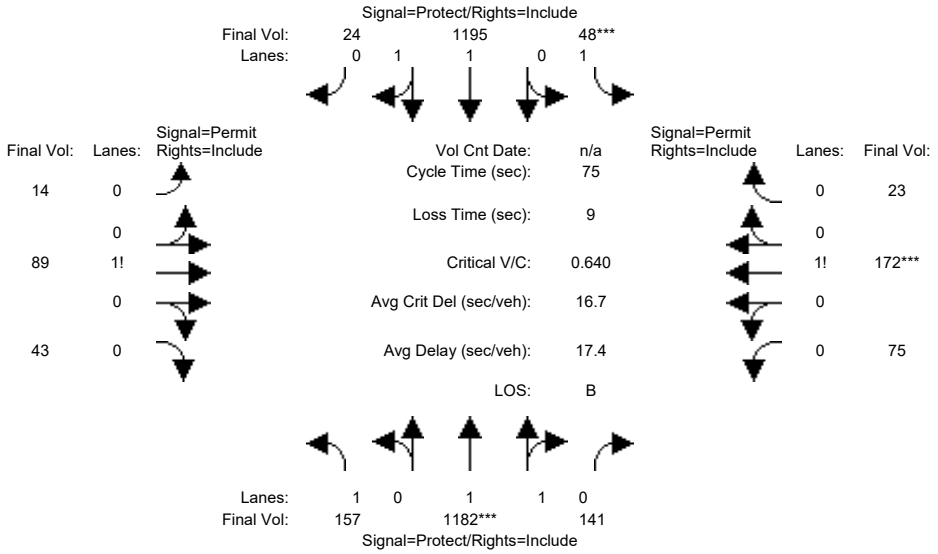
2120 - 2160 Euclid Ave
Hexagon Transportation Consultants
City of East Palo Alto

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumul+Proj PM

Intersection #13: University Avenue and Bell Street



Street Name:	University Avenue						Bell Street					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	157	1181	141	48	1195	24	14	89	43	75	171	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	157	1181	141	48	1195	24	14	89	43	75	171	23
Added Vol:	0	1	0	0	0	0	0	0	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	157	1182	141	48	1195	24	14	89	43	75	172	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	157	1182	141	48	1195	24	14	89	43	75	172	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	157	1182	141	48	1195	24	14	89	43	75	172	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	157	1182	141	48	1195	24	14	89	43	75	172	23
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.93	0.93	0.95	0.95	0.95	0.93	0.93	0.93	0.87	0.87	0.87
Lanes:	1.00	1.79	0.21	1.00	1.96	0.04	0.10	0.61	0.29	0.28	0.64	0.08
Final Sat.:	1805	3174	379	1805	3528	71	169	1076	520	457	1049	140
Capacity Analysis Module:												
Vol/Sat:	0.09	0.37	0.37	0.03	0.34	0.34	0.08	0.08	0.08	0.16	0.16	0.16
Crit Moves:		****		****							****	
Green/Cycle:	0.14	0.55	0.55	0.09	0.50	0.50	0.24	0.24	0.24	0.24	0.24	0.24
Volume/Cap:	0.63	0.68	0.68	0.28	0.68	0.68	0.34	0.34	0.34	0.68	0.68	0.68
Delay/Veh:	35.6	13.3	13.3	32.6	15.1	15.1	24.1	24.1	24.1	30.7	30.7	30.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.6	13.3	13.3	32.6	15.1	15.1	24.1	24.1	24.1	30.7	30.7	30.7
LOS by Move:	D	B	B	C	B	B	C	C	C	C	C	C
HCM2kAvgQ:	4	12	12	1	10	10	3	3	3	7	7	7

Note: Queue reported is the number of cars per lane.

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1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.4	0.6	0.0	0.0	0.5	0.5	0.5
Total Del/Veh (s)	30.9	87.9	12.2	8.4	33.7	34.4	56.8
Vehicles Entered	2	484	110	37	367	6	1006
Vehicles Exited	2	462	111	37	363	6	981
Hourly Exit Rate	2	462	111	37	363	6	981
Input Volume	2	485	122	41	360	5	1015
% of Volume	100	95	91	91	101	114	97
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBT	EBR	WBL	WBT	WBR	SBL	SBT	All
Denied Del/Veh (s)	1.4	0.5	0.8	0.0	0.0		0.1	0.9
Total Del/Veh (s)	14.7	1.3	58.2	15.0	20.6		260.6	23.8
Vehicles Entered	610	248	343	153	2	0	2	1358
Vehicles Exited	607	247	341	152	2	0	2	1351
Hourly Exit Rate	607	247	341	152	2	0	2	1351
Input Volume	628	249	403	170	3	1	1	1456
% of Volume	97	99	85	90	67	0	160	93
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	1	0	0	0	0	0	0	1

3: University Avenue & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	6.0	4.4	16.9	0.1	0.0	0.0	0.0	0.0	0.0	190.9	148.5	133.8
Total Del/Veh (s)	60.2	57.7	55.7	86.2	76.0	18.3	71.3	13.6	4.0	365.8	374.3	364.5
Vehicles Entered	13	73	503	440	361	411	84	370	407	12	602	46
Vehicles Exited	13	73	499	436	360	411	83	370	407	13	605	46
Hourly Exit Rate	13	73	499	436	360	411	83	370	407	13	605	46
Input Volume	14	75	526	479	397	448	86	366	405	24	1115	83
% of Volume	95	97	95	91	91	92	96	101	101	55	54	56
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	4	0	0	0	0	0	0	1	41	3

3: University Avenue & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	33.7
Total Del/Veh (s)	116.7
Vehicles Entered	3322
Vehicles Exited	3316
Hourly Exit Rate	3316
Input Volume	4016
% of Volume	83
Denied Entry Before	0
Denied Entry After	49

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.3	0.0	1.6	0.9	1.5	0.1	0.1	0.7
Total Del/Veh (s)	8.5	41.6	6.5	198.7	65.9	11.6	79.0	114.7	66.0
Vehicles Entered	501	799	22	438	76	205	1	22	2064
Vehicles Exited	501	796	23	400	76	206	2	20	2024
Hourly Exit Rate	501	796	23	400	76	206	2	20	2024
Input Volume	510	848	22	460	75	214	2	19	2150
% of Volume	98	94	106	87	102	96	100	105	94
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	NBL	SBL	SBR	All
Denied Del/Veh (s)	0.2	0.1	0.0	0.4	0.0	0.1	0.2	0.3	0.2
Total Del/Veh (s)	48.5	51.1	10.6	53.4	28.2	93.5	46.1	65.3	40.5
Vehicles Entered	13	150	545	533	30	11	77	275	1634
Vehicles Exited	13	151	547	525	29	12	77	273	1627
Hourly Exit Rate	13	151	547	525	29	12	77	273	1627
Input Volume	16	155	553	556	29	11	78	287	1684
% of Volume	81	98	99	94	101	109	99	95	97
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)		0.2	0.0	0.2	0.0	0.1	0.1	0.1
Total Del/Veh (s)		50.7	8.1	95.0	62.3	40.6	47.2	49.8
Vehicles Entered	0	231	374	349	8	8	242	1212
Vehicles Exited	0	232	374	334	7	8	233	1188
Hourly Exit Rate	0	232	374	334	7	8	233	1188
Input Volume	1	233	378	358	7	8	232	1217
% of Volume	0	100	99	93	97	97	100	98
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

7: University Avenue & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.9	0.0	0.7	0.1	0.0	0.0	0.0	0.1
Total Del/Veh (s)	190.2	24.0	48.0	26.1	8.9	144.3	161.8	99.1
Vehicles Entered	213	7	272	932	419	661	1066	3570
Vehicles Exited	211	7	272	933	419	662	1047	3551
Hourly Exit Rate	211	7	272	933	419	662	1047	3551
Input Volume	222	6	270	924	425	900	1363	4110
% of Volume	95	117	101	101	99	74	77	86
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

8: Woodland Avenue & University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.5	0.3	0.7	0.3	0.3	0.3	0.0	0.0	0.0	0.5	3.9	3.3
Total Del/Veh (s)	59.3	54.0	43.7	94.2	83.4	46.1	114.7	41.9	39.5	132.5	105.5	10.7
Vehicles Entered	387	122	62	9	101	326	50	607	6	108	807	353
Vehicles Exited	389	122	62	10	100	330	50	608	6	109	805	354
Hourly Exit Rate	389	122	62	10	100	330	50	608	6	109	805	354
Input Volume	380	122	59	10	98	333	50	612	7	144	1011	442
% of Volume	102	100	105	98	102	99	100	99	83	76	80	80
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

8: Woodland Avenue & University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	1.6
Total Del/Veh (s)	65.2
Vehicles Entered	2938
Vehicles Exited	2945
Hourly Exit Rate	2945
Input Volume	3268
% of Volume	90
Denied Entry Before	0
Denied Entry After	0

9: Woodland Avenue & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	17.4	26.8	5.8	2.5	47.5	30.8	17.9
Vehicles Entered	19	470	322	210	92	6	1119
Vehicles Exited	19	471	322	210	92	6	1120
Hourly Exit Rate	19	471	322	210	92	6	1120
Input Volume	20	463	372	245	91	6	1198
% of Volume	94	102	86	86	101	96	93
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

10: Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.2	0.2	0.1
Total Del/Veh (s)	24.9	24.4	9.0	5.5	36.5	23.7	21.5
Vehicles Entered	2	261	166	145	236	6	816
Vehicles Exited	2	260	166	145	236	6	815
Hourly Exit Rate	2	260	166	145	236	6	815
Input Volume	3	250	189	163	240	6	850
% of Volume	67	104	88	89	98	104	96
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

11: Woodland Avenue & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.0	0.0	0.2	0.2	0.1
Total Del/Veh (s)	2.0	0.9	2.6	2.2	6.9	5.0	3.7
Vehicles Entered	3	101	141	40	155	14	454
Vehicles Exited	2	102	141	40	155	14	454
Hourly Exit Rate	2	102	141	40	155	14	454
Input Volume	4	95	162	43	151	14	468
% of Volume	53	107	87	92	103	102	97
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

12: University Avenue & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1		0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	62.4	30.0	15.2		14.7	13.9	5.4	1.3	1.3	7.9
Vehicles Entered	3	9	68	0	653	3	37	832	3	1608
Vehicles Exited	3	9	70	0	654	3	37	832	3	1611
Hourly Exit Rate	3	9	70	0	654	3	37	832	3	1611
Input Volume	4	8	65	1	665	3	47	1020	4	1817
% of Volume	75	116	107	0	98	100	78	82	75	89
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	35.6	2.0	3.3	13.7
Vehicles Entered	501	4	1081	1586
Vehicles Exited	486	4	1083	1573
Hourly Exit Rate	486	4	1083	1573
Input Volume	492	4	1325	1822
% of Volume	99	89	82	86
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by move

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.7	0.4
Total Del/Veh (s)	54.7	6.0	6.9	8.9	10.9
Vehicles Entered	198	858	332	1594	2982
Vehicles Exited	197	857	332	1590	2976
Hourly Exit Rate	197	857	332	1590	2976
Input Volume	198	855	327	2142	3523
% of Volume	99	100	101	74	84
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

26: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	1.4	1.4
Total Del/Veh (s)	25.4	25.4
Vehicles Entered	605	605
Vehicles Exited	604	604
Hourly Exit Rate	604	604
Input Volume	670	670
% of Volume	90	90
Denied Entry Before	0	0
Denied Entry After	1	1

27: University Avenue Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.6	0.3	0.4
Total Del/Veh (s)	4.1	25.3	16.4
Vehicles Entered	658	880	1538
Vehicles Exited	656	876	1532
Hourly Exit Rate	656	876	1532
Input Volume	669	1064	1732
% of Volume	98	82	88
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	11.6	11.6
Vehicles Entered	587	587
Vehicles Exited	587	587
Hourly Exit Rate	587	587
Input Volume	653	653
% of Volume	90	90
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	15.6	15.6
Vehicles Entered	1159	1159
Vehicles Exited	1160	1160
Hourly Exit Rate	1160	1160
Input Volume	1401	1401
% of Volume	83	83
Denied Entry Before	0	0
Denied Entry After	0	0

36: University Avenue & Bell St Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	325.4	392.6	348.5	1940.8	1964.3	1980.3	0.1	0.0	0.0	257.9	243.1	241.9
Total Del/Veh (s)	670.5	654.1	679.1	1902.0	1806.3	1975.2	67.0	15.9	14.1	840.4	726.6	716.7
Vehicles Entered	8	48	38	13	8	1	18	745	34	11	742	7
Vehicles Exited	6	44	32	12	8	1	18	746	34	9	609	6
Hourly Exit Rate	6	44	32	12	8	1	18	746	34	9	609	6
Input Volume	11	67	48	166	106	14	20	775	34	15	953	9
% of Volume	55	65	66	7	8	7	90	96	99	60	64	67
Denied Entry Before	0	0	0	26	16	2	0	0	0	0	0	0
Denied Entry After	2	16	10	181	111	17	0	0	0	3	218	2

36: University Avenue & Bell St Performance by movement

Movement	All
Denied Del/Veh (s)	416.6
Total Del/Veh (s)	435.1
Vehicles Entered	1673
Vehicles Exited	1525
Hourly Exit Rate	1525
Input Volume	2219
% of Volume	69
Denied Entry Before	44
Denied Entry After	560

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	0.3	0.2	0.2
Total Del/Veh (s)	11.2	15.9	14.9
Vehicles Entered	202	731	933
Vehicles Exited	198	714	912
Hourly Exit Rate	198	714	912
Input Volume	198	737	935
% of Volume	100	97	98
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	11.2	1.0	5.9
Vehicles Entered	352	386	738
Vehicles Exited	346	386	732
Hourly Exit Rate	346	386	732
Input Volume	353	390	744
% of Volume	98	99	98
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Denied Del/Veh (s)	149.4
Total Del/Veh (s)	322.7
Vehicles Entered	6457
Vehicles Exited	6135
Hourly Exit Rate	6135
Input Volume	47269
% of Volume	13
Denied Entry Before	44
Denied Entry After	611

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	247	918	163	404
Average Queue (ft)	137	296	62	149
95th Queue (ft)	274	1079	121	366
Link Distance (ft)		2273	202	694
Upstream Blk Time (%)		1	0	1
Queuing Penalty (veh)		0	0	0
Storage Bay Dist (ft)	250			
Storage Blk Time (%)	10	19		
Queuing Penalty (veh)	24	46		

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	SB
Directions Served	LT	R	L	TR	LTR
Maximum Queue (ft)	216	145	380	364	31
Average Queue (ft)	118	26	215	117	4
95th Queue (ft)	270	91	386	354	20
Link Distance (ft)	202	202	328	328	453
Upstream Blk Time (%)	15	1	7	6	
Queuing Penalty (veh)	64	3	18	15	
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 3: University Avenue & Donohoe Street

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	T	R	L	LT	TR	R	L	L	T	T	R
Maximum Queue (ft)	55	149	353	249	311	302	280	82	130	155	209	87
Average Queue (ft)	13	55	289	228	283	230	125	13	36	40	69	58
95th Queue (ft)	42	122	431	304	318	330	268	51	104	114	164	104
Link Distance (ft)		328	328		249	249	249	87	87	87	87	
Upstream Blk Time (%)			29	9	46	15	1	0	4	2	4	2
Queuing Penalty (veh)			87	0	204	67	4	0	9	4	9	0
Storage Bay Dist (ft)	200			200								100
Storage Blk Time (%)		0		31	58						4	2
Queuing Penalty (veh)		0		135	139						18	3

Intersection: 3: University Avenue & Donohoe Street

Movement	SB	SB	SB
Directions Served	L	T	TR
Maximum Queue (ft)	259	1030	1026
Average Queue (ft)	66	1000	998
95th Queue (ft)	239	1017	1016
Link Distance (ft)		988	988
Upstream Blk Time (%)		62	59
Queuing Penalty (veh)		360	344
Storage Bay Dist (ft)	235		
Storage Blk Time (%)		86	
Queuing Penalty (veh)		20	

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	B58	B58	SB
Directions Served	T	T	T	T	TR	L	L	T	R	T	T	L
Maximum Queue (ft)	218	151	312	281	181	710	714	412	171	119	144	20
Average Queue (ft)	69	45	258	143	46	349	405	73	64	21	31	2
95th Queue (ft)	163	113	362	286	127	756	776	261	128	111	142	14
Link Distance (ft)	249	249	258	258	258	686	686	686		186	186	525
Upstream Blk Time (%)	0		38	2	0	13	15			3	7	
Queuing Penalty (veh)	0		110	7	0	32	38			10	26	
Storage Bay Dist (ft)									500			
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	93
Average Queue (ft)	31
95th Queue (ft)	81
Link Distance (ft)	525
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	LT	LT	R
Maximum Queue (ft)	149	269	161	81	242	245	56	35	203	562
Average Queue (ft)	108	109	56	12	171	157	9	3	57	205
95th Queue (ft)	165	239	117	48	276	289	40	20	155	482
Link Distance (ft)		258	258	258	185	185	497	497	939	939
Upstream Blk Time (%)		2	0		37	25				
Queuing Penalty (veh)		4	0		106	71				
Storage Bay Dist (ft)	100									
Storage Blk Time (%)	18	4								
Queuing Penalty (veh)	32	7								

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	208	130	151	73	387	381	46	426
Average Queue (ft)	164	31	48	8	171	160	7	140
95th Queue (ft)	228	99	129	39	440	434	30	357
Link Distance (ft)	185	185	185	185	489	489	2208	2208
Upstream Blk Time (%)	12	0	0		7	7		
Queuing Penalty (veh)	18	0	0		12	12		
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: University Avenue & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	254	298	291	354	370	194	143	375	425	1201	1205
Average Queue (ft)	184	245	149	221	271	64	65	285	412	1094	1073
95th Queue (ft)	282	344	285	354	382	137	127	450	487	1430	1439
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	2	42	8	1	2	0				40	38
Queuing Penalty (veh)	3	69	12	3	7	0				455	425
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)								9	17	55	
Queuing Penalty (veh)								65	115	498	

Intersection: 8: Woodland Avenue & University Avenue

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	164	174	164	567	125	146	272	279	210	320	375	380
Average Queue (ft)	127	149	110	229	116	67	152	226	82	210	353	354
95th Queue (ft)	187	184	181	475	147	133	260	312	212	378	366	368
Link Distance (ft)	153	153	153	5700			197	197	143		349	349
Upstream Blk Time (%)	16	33	11				5	27	9		49	50
Queuing Penalty (veh)	30	62	21				17	91	59		260	263
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				18	29	2	18			2	72	
Queuing Penalty (veh)				61	31	6	9			10	103	

Intersection: 8: Woodland Avenue & University Avenue

Movement	SB
Directions Served	R
Maximum Queue (ft)	281
Average Queue (ft)	100
95th Queue (ft)	225
Link Distance (ft)	349
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: Woodland Avenue & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	184	222	123	145	123	64	125
Average Queue (ft)	57	149	38	49	29	17	50
95th Queue (ft)	145	261	94	108	82	48	103
Link Distance (ft)	207	207	153	153		1048	1048
Upstream Blk Time (%)	0	15	0	0			
Queuing Penalty (veh)	1	39	0	0			
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				1	0		
Queuing Penalty (veh)				1	0		

Intersection: 10: Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	292	116	110	366
Average Queue (ft)	98	53	49	110
95th Queue (ft)	232	95	88	311
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)	0		0	
Queuing Penalty (veh)	1		0	
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: Woodland Avenue & Euclid Avenue

Movement	EB	WB	SB
Directions Served	LT	TR	LR
Maximum Queue (ft)	17	4	93
Average Queue (ft)	1	0	48
95th Queue (ft)	8	3	77
Link Distance (ft)	2311	376	1194
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: University Avenue & Crescent Drive

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	49	100	333	68	170	253	250
Average Queue (ft)	13	40	53	16	16	201	204
95th Queue (ft)	40	79	213	49	97	261	281
Link Distance (ft)	1080	2562	4340		143	197	197
Upstream Blk Time (%)					0	8	9
Queuing Penalty (veh)					5	42	46
Storage Bay Dist (ft)				100			
Storage Blk Time (%)				0	1		
Queuing Penalty (veh)				0	0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	NE	NE
Directions Served	R	R	R	R
Maximum Queue (ft)	429	440	7	7
Average Queue (ft)	123	107	0	0
95th Queue (ft)	366	356	7	10
Link Distance (ft)	1279	1279	237	237
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	334	127	79	172	195	196
Average Queue (ft)	131	14	8	12	110	124
95th Queue (ft)	311	114	94	123	216	241
Link Distance (ft)	288	1309	1034	1034	87	87
Upstream Blk Time (%)	7				25	25
Queuing Penalty (veh)	15				257	258
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 26: US 101 NB On-Ramp

Movement	WB
Directions Served	T
Maximum Queue (ft)	379
Average Queue (ft)	184
95th Queue (ft)	373
Link Distance (ft)	375
Upstream Blk Time (%)	1
Queuing Penalty (veh)	9
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: University Avenue

Movement	WB
Directions Served	T
Maximum Queue (ft)	91
Average Queue (ft)	9
95th Queue (ft)	47
Link Distance (ft)	4340
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	114
Average Queue (ft)	83
95th Queue (ft)	102
Link Distance (ft)	18
Upstream Blk Time (%)	58
Queuing Penalty (veh)	381
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	335	345
Average Queue (ft)	156	171
95th Queue (ft)	288	302
Link Distance (ft)	667	667
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: University Avenue & Bell St

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	531	552	123	281	293	150	2548	2547
Average Queue (ft)	458	536	24	156	176	36	2105	2095
95th Queue (ft)	663	552	76	252	275	133	3076	3068
Link Distance (ft)	506	528		988	988		2506	2506
Upstream Blk Time (%)	68	100					55	53
Queuing Penalty (veh)	0	0					0	0
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)				10		0	91	
Queuing Penalty (veh)				2		0	14	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	371	432
Average Queue (ft)	57	87
95th Queue (ft)	355	398
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	NB	NB
Directions Served	T	T
Maximum Queue (ft)	90	92
Average Queue (ft)	16	16
95th Queue (ft)	132	131
Link Distance (ft)	560	560
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 5807

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.3	0.4	0.0	0.2	14.4	6.3	6.2
Total Del/Veh (s)	308.1	147.9	13.2	8.8	95.5	65.8	109.8
Vehicles Entered	2	482	109	20	434	9	1056
Vehicles Exited	2	459	108	20	427	9	1025
Hourly Exit Rate	2	459	108	20	427	9	1025
Input Volume	2	485	120	21	434	9	1070
% of Volume	100	95	90	94	98	103	96
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	1	0	1

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBT	EBR	WBL	WBT	WBR	SBL	SBT	All
Denied Del/Veh (s)	1.1	0.4	1.2	0.2	0.0		0.1	0.9
Total Del/Veh (s)	16.5	1.4	72.1	15.5	17.7		214.5	27.6
Vehicles Entered	652	272	343	134	3	0	1	1405
Vehicles Exited	649	272	336	134	3	0	1	1395
Hourly Exit Rate	649	272	336	134	3	0	1	1395
Input Volume	684	270	403	147	3	1	1	1510
% of Volume	95	101	83	91	100	0	80	92
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	1	0	0	0	0	1

3: University Avenue & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	10.3	24.9	0.1	0.0	0.0	0.2	0.0	0.1	172.7	153.9	175.3
Total Del/Veh (s)	64.0	55.6	62.1	89.8	78.0	18.3	70.2	13.0	4.4	389.2	394.0	388.7
Vehicles Entered	26	75	523	443	363	421	74	364	413	13	577	42
Vehicles Exited	26	76	519	436	361	420	73	364	413	12	578	41
Hourly Exit Rate	26	76	519	436	361	420	73	364	413	12	578	41
Input Volume	28	84	559	479	387	448	75	366	405	24	1115	83
% of Volume	94	91	93	91	93	94	97	100	102	51	52	50
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	6	0	0	0	0	0	0	1	41	4

3: University Avenue & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	35.3
Total Del/Veh (s)	119.3
Vehicles Entered	3334
Vehicles Exited	3319
Hourly Exit Rate	3319
Input Volume	4051
% of Volume	82
Denied Entry Before	0
Denied Entry After	52

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Total Del/Veh (s)	9.6	44.3	5.5	190.4	62.2	14.5	79.4	72.0	65.3
Vehicles Entered	504	803	18	440	68	209	2	22	2066
Vehicles Exited	504	801	18	408	69	208	2	21	2031
Hourly Exit Rate	504	801	18	408	69	208	2	21	2031
Input Volume	516	846	22	453	75	214	2	19	2147
% of Volume	98	95	83	90	92	97	100	111	95
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	NBL	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.1	0.0	0.1	0.2	0.3	0.1
Total Del/Veh (s)	50.0	53.4	10.6	62.0	27.5	106.0	39.8	68.6	43.9
Vehicles Entered	18	150	548	527	28	10	78	285	1644
Vehicles Exited	18	151	547	517	28	10	78	278	1627
Hourly Exit Rate	18	151	547	517	28	10	78	278	1627
Input Volume	16	155	559	554	29	11	78	287	1688
% of Volume	112	98	98	93	97	91	100	97	96
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Total Del/Veh (s)	50.2	52.7	8.6	112.1	70.4	50.9	54.5	56.8
Vehicles Entered	1	231	373	350	6	7	242	1210
Vehicles Exited	1	231	373	328	6	7	232	1178
Hourly Exit Rate	1	231	373	328	6	7	232	1178
Input Volume	1	235	383	356	7	8	231	1222
% of Volume	100	98	97	92	83	85	100	96
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

7: University Avenue & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	1.6	0.0	1.5	0.1	0.0	0.1	0.0	0.3
Total Del/Veh (s)	203.1	31.4	44.2	25.6	8.8	149.8	165.7	101.7
Vehicles Entered	214	7	259	920	431	662	1059	3552
Vehicles Exited	211	7	260	919	431	652	1045	3525
Hourly Exit Rate	211	7	260	919	431	652	1045	3525
Input Volume	222	6	263	920	425	921	1376	4133
% of Volume	95	117	99	100	101	71	76	85
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

8: Woodland Avenue & University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.5	0.3	0.3	0.4	0.3	0.3	0.0	0.0	0.0	2.5	6.1	5.4
Total Del/Veh (s)	57.7	55.1	40.6	77.1	78.5	42.8	114.4	41.6	39.6	133.8	108.0	10.5
Vehicles Entered	378	126	59	11	95	337	44	615	9	110	800	358
Vehicles Exited	378	127	59	12	96	335	44	616	9	109	798	358
Hourly Exit Rate	378	127	59	12	96	335	44	616	9	109	798	358
Input Volume	380	122	59	10	98	333	50	608	7	144	1023	442
% of Volume	100	104	100	117	98	101	88	101	124	76	78	81
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	1	1

8: Woodland Avenue & University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	2.5
Total Del/Veh (s)	64.7
Vehicles Entered	2942
Vehicles Exited	2941
Hourly Exit Rate	2941
Input Volume	3276
% of Volume	90
Denied Entry Before	0
Denied Entry After	2

9: Woodland Avenue & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	12.5	21.7	5.1	2.4	44.4	30.7	15.1
Vehicles Entered	21	462	306	221	93	7	1110
Vehicles Exited	21	462	305	221	94	7	1110
Hourly Exit Rate	21	462	305	221	94	7	1110
Input Volume	20	463	372	245	91	6	1198
% of Volume	104	100	82	90	103	112	93
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

10: Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.2	0.3	0.1
Total Del/Veh (s)	12.7	13.3	8.4	5.1	14.5	12.5	11.3
Vehicles Entered	3	247	156	137	244	7	794
Vehicles Exited	3	246	156	137	245	7	794
Hourly Exit Rate	3	246	156	137	245	7	794
Input Volume	3	250	189	163	240	6	850
% of Volume	100	98	83	84	102	122	93
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

11: Woodland Avenue & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.2	0.2	0.1
Total Del/Veh (s)	1.9	0.8	2.4	2.3	6.6	4.8	3.5
Vehicles Entered	4	100	139	35	141	13	432
Vehicles Exited	3	101	139	35	142	13	433
Hourly Exit Rate	3	101	139	35	142	13	433
Input Volume	4	95	162	43	151	14	468
% of Volume	80	106	86	81	94	95	92
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

12: University Avenue & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	117.1	45.9	20.4	25.8	15.5	18.8	6.0	1.3	1.1	8.5
Vehicles Entered	1	10	59	1	661	3	37	827	2	1601
Vehicles Exited	2	10	60	1	667	3	36	828	2	1609
Hourly Exit Rate	2	10	60	1	667	3	36	828	2	1609
Input Volume	4	8	65	1	661	3	47	1032	4	1825
% of Volume	50	129	92	100	101	100	76	80	50	88
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	45.5	1.6	3.3	16.5
Vehicles Entered	487	4	1082	1573
Vehicles Exited	476	4	1083	1563
Hourly Exit Rate	476	4	1083	1563
Input Volume	485	5	1346	1836
% of Volume	98	84	80	85
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by move

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0	1.0	0.5
Total Del/Veh (s)	61.4	5.8	6.7	9.9	11.8
Vehicles Entered	196	855	312	1591	2954
Vehicles Exited	195	854	312	1587	2948
Hourly Exit Rate	195	854	312	1587	2948
Input Volume	198	844	327	2176	3546
% of Volume	98	101	95	73	83
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

26: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	1.1	1.1
Total Del/Veh (s)	28.6	28.6
Vehicles Entered	628	628
Vehicles Exited	630	630
Hourly Exit Rate	630	630
Input Volume	691	691
% of Volume	91	91
Denied Entry Before	0	0
Denied Entry After	0	0

27: University Avenue Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.6	0.4	0.4
Total Del/Veh (s)	4.2	25.4	16.4
Vehicles Entered	662	873	1535
Vehicles Exited	665	874	1539
Hourly Exit Rate	665	874	1539
Input Volume	665	1076	1740
% of Volume	100	81	88
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	11.8	11.8
Vehicles Entered	614	614
Vehicles Exited	613	613
Hourly Exit Rate	613	613
Input Volume	674	674
% of Volume	91	91
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	15.7	15.7
Vehicles Entered	1159	1159
Vehicles Exited	1159	1159
Hourly Exit Rate	1159	1159
Input Volume	1424	1424
% of Volume	81	81
Denied Entry Before	0	0
Denied Entry After	0	0

36: University Avenue & Bell St Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	367.9	388.3	370.1	1977.5	1934.3	1997.3	0.1	0.0	0.0	346.3	286.5	259.3
Total Del/Veh (s)	659.9	656.0	678.6	1677.1	1608.6	1727.4	70.5	14.7	13.7	814.1	812.1	754.0
Vehicles Entered	7	48	39	15	11	2	20	764	30	10	701	6
Vehicles Exited	7	45	32	15	12	1	20	765	30	7	575	5
Hourly Exit Rate	7	45	32	15	12	1	20	765	30	7	575	5
Input Volume	11	67	48	166	106	14	20	791	34	15	953	9
% of Volume	64	67	66	9	11	7	100	97	88	47	60	56
Denied Entry Before	0	0	0	35	23	4	0	0	0	0	0	0
Denied Entry After	3	18	15	189	117	17	0	0	0	5	249	2

36: University Avenue & Bell St Performance by movement

Movement	All
Denied Del/Veh (s)	448.7
Total Del/Veh (s)	460.4
Vehicles Entered	1653
Vehicles Exited	1514
Hourly Exit Rate	1514
Input Volume	2234
% of Volume	68
Denied Entry Before	62
Denied Entry After	615

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	0.3	0.2	0.3
Total Del/Veh (s)	13.5	14.9	14.6
Vehicles Entered	202	719	921
Vehicles Exited	196	708	904
Hourly Exit Rate	196	708	904
Input Volume	198	730	928
% of Volume	99	97	97
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	8.3	1.0	4.5
Vehicles Entered	351	384	735
Vehicles Exited	345	384	729
Hourly Exit Rate	345	384	729
Input Volume	352	394	746
% of Volume	98	97	98
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Denied Del/Veh (s)	162.2
Total Del/Veh (s)	340.4
Vehicles Entered	6467
Vehicles Exited	6129
Hourly Exit Rate	6129
Input Volume	47635
% of Volume	13
Denied Entry Before	62
Denied Entry After	671

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	258	1099	149	652
Average Queue (ft)	181	482	60	363
95th Queue (ft)	325	1411	117	780
Link Distance (ft)		2273	202	694
Upstream Blk Time (%)		0	0	19
Queuing Penalty (veh)		0	0	0
Storage Bay Dist (ft)	250			
Storage Blk Time (%)	21	35		
Queuing Penalty (veh)	50	85		

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	SB
Directions Served	LT	R	L	TR	LTR
Maximum Queue (ft)	230	134	405	378	18
Average Queue (ft)	151	25	236	133	3
95th Queue (ft)	290	83	414	382	13
Link Distance (ft)	202	202	328	328	453
Upstream Blk Time (%)	18	1	11	8	
Queuing Penalty (veh)	85	3	30	21	
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 3: University Avenue & Donohoe Street

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	T	R	L	LT	TR	R	L	L	T	T	R
Maximum Queue (ft)	86	148	356	249	310	304	291	73	125	159	229	87
Average Queue (ft)	27	57	318	229	283	236	125	9	31	37	69	53
95th Queue (ft)	72	122	424	302	314	331	278	41	87	106	172	101
Link Distance (ft)		328	328		249	249	249	87	87	87	87	
Upstream Blk Time (%)			36	10	46	16	1	0	2	3	5	2
Queuing Penalty (veh)			118	0	203	71	5	0	5	6	11	0
Storage Bay Dist (ft)	200			200								100
Storage Blk Time (%)				35	62						5	2
Queuing Penalty (veh)				150	147						21	3

Intersection: 3: University Avenue & Donohoe Street

Movement	SB	SB	SB
Directions Served	L	T	TR
Maximum Queue (ft)	260	1023	1030
Average Queue (ft)	59	999	998
95th Queue (ft)	224	1016	1014
Link Distance (ft)		988	988
Upstream Blk Time (%)		63	60
Queuing Penalty (veh)		367	350
Storage Bay Dist (ft)	235		
Storage Blk Time (%)		88	
Queuing Penalty (veh)		21	

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	B58	B58	SB
Directions Served	T	T	T	T	TR	L	L	T	R	T	T	L
Maximum Queue (ft)	212	154	311	291	162	640	691	218	216	108	118	29
Average Queue (ft)	80	46	264	158	45	337	393	57	71	20	29	3
95th Queue (ft)	185	115	362	309	124	727	754	166	158	107	138	18
Link Distance (ft)	249	249	258	258	258	686	686	686		186	186	525
Upstream Blk Time (%)	0		41	4	0	12	15			2	6	
Queuing Penalty (veh)	0		119	11	0	29	35			6	23	
Storage Bay Dist (ft)									500			
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	85
Average Queue (ft)	26
95th Queue (ft)	65
Link Distance (ft)	525
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	LT	LT	R
Maximum Queue (ft)	149	275	162	76	249	254	68	28	229	611
Average Queue (ft)	111	122	57	12	182	175	9	2	57	209
95th Queue (ft)	170	258	125	46	286	302	38	15	176	477
Link Distance (ft)		258	258	258	185	185	497	497	939	939
Upstream Blk Time (%)		3	0		46	33				0
Queuing Penalty (veh)		7	0		132	94				0
Storage Bay Dist (ft)	100									
Storage Blk Time (%)	21	4								
Queuing Penalty (veh)	38	7								

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	210	136	145	76	456	459	34	460
Average Queue (ft)	167	36	53	9	195	182	6	152
95th Queue (ft)	235	104	132	44	460	450	25	371
Link Distance (ft)	185	185	185	185	489	489	2208	2208
Upstream Blk Time (%)	12	0	0		6	5		
Queuing Penalty (veh)	19	0	0		11	8		
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: University Avenue & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	242	296	292	349	372	224	160	375	425	1206	1208
Average Queue (ft)	190	251	141	213	264	61	62	282	413	1116	1088
95th Queue (ft)	276	339	285	354	381	128	125	454	492	1405	1414
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	3	47	7	0	2	0				47	40
Queuing Penalty (veh)	4	75	11	2	7	0				535	459
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0		9	17	55	
Queuing Penalty (veh)						0		61	118	510	

Intersection: 8: Woodland Avenue & University Avenue

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	164	181	161	540	125	147	271	289	210	320	373	379
Average Queue (ft)	122	146	111	220	115	59	164	231	90	217	354	354
95th Queue (ft)	186	192	179	438	150	129	273	310	218	383	364	368
Link Distance (ft)	153	153	153	5700			197	197	143		349	349
Upstream Blk Time (%)	12	31	11				6	27	9		50	50
Queuing Penalty (veh)	22	57	21				19	90	63		264	268
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				17	29	2	15			2	73	
Queuing Penalty (veh)				58	31	6	8			13	105	

Intersection: 8: Woodland Avenue & University Avenue

Movement	SB
Directions Served	R
Maximum Queue (ft)	264
Average Queue (ft)	95
95th Queue (ft)	224
Link Distance (ft)	349
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: Woodland Avenue & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	170	218	118	132	113	68	141
Average Queue (ft)	52	148	34	47	28	16	49
95th Queue (ft)	124	252	90	103	76	44	102
Link Distance (ft)	207	207	153	153		1048	1048
Upstream Blk Time (%)	0	9	0	0			
Queuing Penalty (veh)	0	22	0	0			
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				1	0		
Queuing Penalty (veh)				1	0		

Intersection: 10: Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	194	122	99	228
Average Queue (ft)	71	51	44	67
95th Queue (ft)	145	92	76	164
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: Woodland Avenue & Euclid Avenue

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	9	91
Average Queue (ft)	0	45
95th Queue (ft)	6	75
Link Distance (ft)	2311	1194
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 12: University Avenue & Crescent Drive

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	58	87	340	68	176	255	254
Average Queue (ft)	14	36	68	15	12	206	205
95th Queue (ft)	46	76	244	49	80	263	280
Link Distance (ft)	1080	2562	4340		143	197	197
Upstream Blk Time (%)					0	9	9
Queuing Penalty (veh)					3	50	50
Storage Bay Dist (ft)				100			
Storage Blk Time (%)				0	0		
Queuing Penalty (veh)				1	0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	NE	NE
Directions Served	R	R	R	R
Maximum Queue (ft)	481	469	24	12
Average Queue (ft)	141	122	1	0
95th Queue (ft)	416	409	13	11
Link Distance (ft)	1279	1279	237	237
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	338	134	116	236	199	199
Average Queue (ft)	135	11	8	18	125	134
95th Queue (ft)	312	97	90	149	220	241
Link Distance (ft)	288	1309	1034	1034	87	87
Upstream Blk Time (%)	7				30	29
Queuing Penalty (veh)	14				310	297
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 26: US 101 NB On-Ramp

Movement	WB
Directions Served	T
Maximum Queue (ft)	380
Average Queue (ft)	206
95th Queue (ft)	384
Link Distance (ft)	375
Upstream Blk Time (%)	1
Queuing Penalty (veh)	7
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: University Avenue

Movement	WB
Directions Served	T
Maximum Queue (ft)	69
Average Queue (ft)	7
95th Queue (ft)	40
Link Distance (ft)	4340
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	113
Average Queue (ft)	86
95th Queue (ft)	105
Link Distance (ft)	18
Upstream Blk Time (%)	60
Queuing Penalty (veh)	404
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	336	338
Average Queue (ft)	158	171
95th Queue (ft)	291	309
Link Distance (ft)	667	667
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: University Avenue & Bell St

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	535	557	124	266	281	149	2546	2554
Average Queue (ft)	467	537	26	147	167	30	2215	2204
95th Queue (ft)	636	552	77	239	259	121	3045	3040
Link Distance (ft)	506	528		988	988		2506	2506
Upstream Blk Time (%)	66	100					61	59
Queuing Penalty (veh)	0	0					0	0
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)				9		0	94	
Queuing Penalty (veh)				2		0	14	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	408	440
Average Queue (ft)	60	87
95th Queue (ft)	389	415
Link Distance (ft)	1451	1451
Upstream Blk Time (%)	0	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	NB	NB
Directions Served	T	T
Maximum Queue (ft)	78	75
Average Queue (ft)	12	11
95th Queue (ft)	111	107
Link Distance (ft)	560	560
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 6278

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.3	0.2	0.0	0.0	0.3	0.3	0.2
Total Del/Veh (s)	62.1	72.1	12.1	1.8	50.7	51.9	55.3
Vehicles Entered	2	487	122	20	426	8	1065
Vehicles Exited	2	482	122	20	426	8	1060
Hourly Exit Rate	2	482	122	20	426	8	1060
Input Volume	2	485	120	21	434	9	1070
% of Volume	100	99	102	94	98	91	99
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBT	EBR	WBL	WBT	WBR	SBL	SBT	All
Denied Del/Veh (s)	2.3	1.5	0.1	0.1	0.0	0.1	0.1	1.4
Total Del/Veh (s)	23.7	7.0	50.7	36.1	15.5	53.0	66.5	29.0
Vehicles Entered	672	270	390	151	3	1	2	1489
Vehicles Exited	670	270	390	150	3	1	2	1486
Hourly Exit Rate	670	270	390	150	3	1	2	1486
Input Volume	684	270	403	147	3	1	1	1510
% of Volume	98	100	97	102	100	80	160	98
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	1	0	0	0	0	0	0	1

3: #3 University Ave/#3 & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	2.0	0.8	4.1	0.0	0.0	0.0	0.1	0.2	0.1	90.2	110.0	113.9
Total Del/Veh (s)	65.6	39.8	43.9	61.5	17.9	4.3	96.7	22.7	4.8	270.1	266.7	264.6
Vehicles Entered	26	83	550	475	394	453	76	368	402	17	816	64
Vehicles Exited	26	83	556	480	396	454	78	366	404	17	792	61
Hourly Exit Rate	26	83	556	480	396	454	78	366	404	17	792	61
Input Volume	28	84	559	479	387	448	75	366	405	24	1115	83
% of Volume	94	99	99	100	102	101	104	100	100	72	71	74
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	1	37	3

3: #3 University Ave/#3 & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	28.0
Total Del/Veh (s)	89.6
Vehicles Entered	3724
Vehicles Exited	3713
Hourly Exit Rate	3713
Input Volume	4051
% of Volume	92
Denied Entry Before	0
Denied Entry After	41

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	5.7	8.4	3.2	46.0	32.0	8.3	62.9	4.8	16.8
Vehicles Entered	509	842	22	459	75	212	2	20	2141
Vehicles Exited	510	840	22	465	76	213	2	21	2149
Hourly Exit Rate	510	840	22	465	76	213	2	21	2149
Input Volume	516	846	22	453	75	214	2	19	2147
% of Volume	99	99	101	103	102	99	100	111	100
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	NBL	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1
Total Del/Veh (s)	34.4	34.2	5.0	18.5	12.7	63.1	53.0	12.0	16.3
Vehicles Entered	16	150	556	557	29	10	75	283	1676
Vehicles Exited	17	152	556	552	28	10	76	284	1675
Hourly Exit Rate	17	152	556	552	28	10	76	284	1675
Input Volume	16	155	559	554	29	11	78	287	1688
% of Volume	106	98	99	100	97	91	98	99	99
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)		0.1	0.0	0.0	0.0	0.1	0.1	0.1
Total Del/Veh (s)		42.2	1.0	7.7	6.6	63.5	11.2	13.3
Vehicles Entered	0	231	381	360	7	8	232	1219
Vehicles Exited	0	233	381	360	7	8	232	1221
Hourly Exit Rate	0	233	381	360	7	8	232	1221
Input Volume	1	235	383	356	7	8	231	1222
% of Volume	0	99	100	101	97	97	100	100
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

7: #3 University Ave/#3 & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.7	0.0	0.2	0.1	0.0	0.0	0.0	0.1
Total Del/Veh (s)	99.4	2.7	24.7	29.1	11.6	34.4	26.1	31.0
Vehicles Entered	222	7	268	935	426	784	1210	3852
Vehicles Exited	215	7	265	938	426	789	1218	3858
Hourly Exit Rate	215	7	265	938	426	789	1218	3858
Input Volume	222	6	263	920	425	921	1376	4133
% of Volume	97	117	101	102	100	86	89	93
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

8: #2 University Ave/#3 University Ave & #1Woodland Ave/#3 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.2	0.2	0.3	0.3	0.3	0.0	0.0	0.0	2.9	2.7	0.6
Total Del/Veh (s)	51.2	49.4	46.8	66.2	63.8	31.8	62.1	24.2	22.4	69.5	65.5	7.2
Vehicles Entered	386	121	58	10	89	326	48	620	8	133	922	390
Vehicles Exited	388	122	58	9	88	323	46	623	8	133	927	391
Hourly Exit Rate	388	122	58	9	88	323	46	623	8	133	927	391
Input Volume	380	122	59	10	98	333	50	608	7	144	1023	442
% of Volume	102	100	98	88	90	97	92	102	110	93	91	89
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

8: #2 University Ave/#3 University Ave & #1Woodland Ave/#3 Performance by movement

Movement	All
Denied Del/Veh (s)	1.1
Total Del/Veh (s)	43.7
Vehicles Entered	3111
Vehicles Exited	3116
Hourly Exit Rate	3116
Input Volume	3276
% of Volume	95
Denied Entry Before	0
Denied Entry After	0

9: #1/#1Woodland Ave & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	9.3	11.7	1.9	1.4	55.7	31.5	10.7
Vehicles Entered	19	460	327	224	95	6	1131
Vehicles Exited	19	463	327	224	95	6	1134
Hourly Exit Rate	19	463	327	224	95	6	1134
Input Volume	20	463	372	245	91	6	1198
% of Volume	94	100	88	91	104	96	95
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

10: #1Woodland Ave/#1 & Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.2	0.2	0.1
Total Del/Veh (s)	7.1	7.9	6.9	4.0	9.2	8.4	7.4
Vehicles Entered	3	245	171	143	241	5	808
Vehicles Exited	3	245	172	143	241	5	809
Hourly Exit Rate	3	245	172	143	241	5	809
Input Volume	3	250	189	163	240	6	850
% of Volume	100	98	91	88	101	87	95
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

11: #1/#1Woodland Ave & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.0	0.0	0.2	0.2	0.1
Total Del/Veh (s)	2.2	0.8	2.4	2.2	6.7	4.8	3.5
Vehicles Entered	4	92	147	40	148	12	443
Vehicles Exited	4	92	147	39	149	12	443
Hourly Exit Rate	4	92	147	39	149	12	443
Input Volume	4	95	162	43	151	14	468
% of Volume	107	97	91	90	99	87	95
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

12: #2 & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1		0.0	0.0	0.1	0.0	0.0	0.0
Total Del/Veh (s)	49.2	29.2	8.9	29.3	12.9	12.3	4.4	1.5	1.3	6.6
Vehicles Entered	4	8	62	0	671	4	42	936	3	1730
Vehicles Exited	4	8	63	0	673	4	41	932	3	1728
Hourly Exit Rate	4	8	63	0	673	4	41	932	3	1728
Input Volume	4	8	65	1	661	3	47	1032	4	1825
% of Volume	100	103	97	0	102	133	87	90	75	95
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	24.2	1.5	2.7	8.9
Vehicles Entered	491	5	1214	1710
Vehicles Exited	492	5	1216	1713
Hourly Exit Rate	492	5	1216	1713
Input Volume	485	5	1346	1836
% of Volume	101	105	90	93
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: #3/#3 University Ave & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by mo

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	6.8	7.7	7.9	1.6	4.2
Vehicles Entered	190	853	334	1874	3251
Vehicles Exited	191	842	330	1878	3241
Hourly Exit Rate	191	842	330	1878	3241
Input Volume	198	844	327	2176	3546
% of Volume	96	100	101	86	91
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

27: #2 Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.6	0.3	0.4
Total Del/Veh (s)	4.3	24.9	16.7
Vehicles Entered	676	979	1655
Vehicles Exited	675	985	1660
Hourly Exit Rate	675	985	1660
Input Volume	665	1076	1740
% of Volume	102	92	95
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	16.9	16.9
Vehicles Entered	651	651
Vehicles Exited	652	652
Hourly Exit Rate	652	652
Input Volume	674	674
% of Volume	97	97
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	16.9	16.9
Vehicles Entered	1297	1297
Vehicles Exited	1288	1288
Hourly Exit Rate	1288	1288
Input Volume	1424	1424
% of Volume	90	90
Denied Entry Before	0	0
Denied Entry After	0	0

36: #3/University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.2	0.2	0.3	0.3	0.3	0.1	0.0	0.0	150.1	149.2	139.0
Total Del/Veh (s)	21.3	18.6	26.8	68.6	67.1	61.0	33.6	11.1	9.3	673.9	677.8	693.2
Vehicles Entered	11	70	46	163	105	14	18	801	31	14	791	8
Vehicles Exited	11	70	45	165	106	14	18	804	30	11	672	7
Hourly Exit Rate	11	70	45	165	106	14	18	804	30	11	672	7
Input Volume	11	67	48	166	106	14	20	791	34	15	953	9
% of Volume	100	104	93	99	100	100	90	102	88	73	70	78
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	2	147	2

36: #3/University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	64.7
Total Del/Veh (s)	295.3
Vehicles Entered	2072
Vehicles Exited	1953
Hourly Exit Rate	1953
Input Volume	2234
% of Volume	87
Denied Entry Before	0
Denied Entry After	151

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	0.2	0.2	0.2
Total Del/Veh (s)	6.0	3.1	3.7
Vehicles Entered	193	735	928
Vehicles Exited	192	734	926
Hourly Exit Rate	192	734	926
Input Volume	198	730	928
% of Volume	97	101	100
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	0.3	0.3	0.3
Vehicles Entered	356	390	746
Vehicles Exited	355	390	745
Hourly Exit Rate	355	390	745
Input Volume	352	394	746
% of Volume	101	99	100
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

57: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	3.6	3.6
Total Del/Veh (s)	21.9	21.9
Vehicles Entered	670	670
Vehicles Exited	669	669
Hourly Exit Rate	669	669
Input Volume	691	691
% of Volume	97	97
Denied Entry Before	0	0
Denied Entry After	1	1

Total Network Performance

Denied Del/Veh (s)	36.8
Total Del/Veh (s)	214.8
Vehicles Entered	6864
Vehicles Exited	6733
Hourly Exit Rate	6733
Input Volume	47580
% of Volume	14
Denied Entry Before	0
Denied Entry After	194

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	WB	SB
Directions Served	LT	T	T	R	LR
Maximum Queue (ft)	563	466	106	36	564
Average Queue (ft)	270	150	24	4	295
95th Queue (ft)	611	447	77	21	469
Link Distance (ft)	2266	2266	199	199	3226
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	WB	SB
Directions Served	LT	R	L	LT	TR	LTR
Maximum Queue (ft)	254	241	267	309	146	28
Average Queue (ft)	187	64	172	199	27	4
95th Queue (ft)	309	172	263	299	103	20
Link Distance (ft)	199	199		329	329	448
Upstream Blk Time (%)	26	0		2	0	
Queuing Penalty (veh)	119	2		6	0	
Storage Bay Dist (ft)			250			
Storage Blk Time (%)			1	4		
Queuing Penalty (veh)			2	9		

Intersection: 3: #3 University Ave/#3 & Donohoe Street

Movement	EB	EB	WB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	TR	L	L	T	TR	R	L	L	T	T	R
Maximum Queue (ft)	84	355	286	267	202	160	109	105	82	152	209	84
Average Queue (ft)	27	330	200	169	87	41	25	36	19	55	83	59
95th Queue (ft)	67	403	297	277	191	126	84	81	57	119	171	101
Link Distance (ft)	329	329	251	251	251	251	251	84	84	84	84	
Upstream Blk Time (%)		21	8	4	3	0	0	2	1	6	7	2
Queuing Penalty (veh)		67	21	10	8	1	1	5	2	12	15	0
Storage Bay Dist (ft)												100
Storage Blk Time (%)											7	2
Queuing Penalty (veh)											29	3

Intersection: 3: #3 University Ave/#3 & Donohoe Street

Movement	SB	SB	SB
Directions Served	L	T	TR
Maximum Queue (ft)	260	1012	1022
Average Queue (ft)	62	993	991
95th Queue (ft)	228	1006	1020
Link Distance (ft)		982	982
Upstream Blk Time (%)		35	30
Queuing Penalty (veh)		205	176
Storage Bay Dist (ft)	235		
Storage Blk Time (%)	0	80	
Queuing Penalty (veh)	0	19	

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	T	T	T	T	T	TR	L	L	T	R	L	R
Maximum Queue (ft)	166	80	183	213	87	109	298	283	134	137	25	36
Average Queue (ft)	62	13	50	46	17	23	175	140	43	60	2	6
95th Queue (ft)	135	48	139	143	69	81	271	236	97	106	16	27
Link Distance (ft)	251	251		257	257	257	972	972	972		508	508
Upstream Blk Time (%)			0	0		0						
Queuing Penalty (veh)			0	1		1						
Storage Bay Dist (ft)			250							500		
Storage Blk Time (%)			0	0								
Queuing Penalty (veh)			0	1								

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	UL	T	T	T	TR	L	LT	LT	R
Maximum Queue (ft)	203	206	142	207	208	27	34	146	186
Average Queue (ft)	103	61	14	98	116	3	5	59	79
95th Queue (ft)	175	158	82	189	207	16	24	118	151
Link Distance (ft)	257	257	257	198	198	491	491	931	931
Upstream Blk Time (%)	0	0	0	1	2				
Queuing Penalty (veh)	0	0	0	2	6				
Storage Bay Dist (ft)									
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	221	57	57	7	132	160	43	182
Average Queue (ft)	156	7	6	0	40	51	8	63
95th Queue (ft)	233	34	31	5	101	118	30	129
Link Distance (ft)	198	198	198	198	480	480	2169	2169
Upstream Blk Time (%)	6							
Queuing Penalty (veh)	8							
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: #3 University Ave/#3 & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	224	275	224	346	354	210	165	282	379	562	566
Average Queue (ft)	112	161	100	216	247	77	80	173	218	199	225
95th Queue (ft)	224	285	197	319	342	147	137	258	357	550	562
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	0	15	1	0	1	0				0	
Queuing Penalty (veh)	1	24	2	1	3	0				0	
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)							0	0	0	6	
Queuing Penalty (veh)							0	0	0	53	

Intersection: 8: #2 University Ave/#3 University Ave & #1Woodland Ave/#3

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	165	175	162	365	125	140	214	220	222	320	379	380
Average Queue (ft)	116	144	110	143	110	52	119	165	48	183	310	316
95th Queue (ft)	178	186	175	303	148	115	199	238	165	361	426	422
Link Distance (ft)	156	156	156	5698			144	144	202		349	349
Upstream Blk Time (%)	6	20	8			0	5	16	1		17	18
Queuing Penalty (veh)	12	38	15			0	17	55	6		92	96
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				6	17	0	8			0	45	
Queuing Penalty (veh)				19	19	0	4			0	64	

Intersection: 8: #2 University Ave/#3 University Ave & #1Woodland Ave/#3

Movement	SB
Directions Served	R
Maximum Queue (ft)	203
Average Queue (ft)	81
95th Queue (ft)	151
Link Distance (ft)	349
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: #1/#1Woodland Ave & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	157	211	70	78	59	80	135
Average Queue (ft)	31	87	16	27	12	24	50
95th Queue (ft)	94	194	52	62	41	61	105
Link Distance (ft)	207	207	156	156		1048	1048
Upstream Blk Time (%)	0	3		0			
Queuing Penalty (veh)	0	7		0			
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				0	0		
Queuing Penalty (veh)				0	0		

Intersection: 10: #1Woodland Ave/#1 & Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	139	82	75	146
Average Queue (ft)	52	45	41	53
95th Queue (ft)	97	72	65	116
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: #1/#1Woodland Ave & Euclid Avenue

Movement	EB	WB	SB
Directions Served	LT	TR	LR
Maximum Queue (ft)	18	4	95
Average Queue (ft)	1	0	45
95th Queue (ft)	8	3	73
Link Distance (ft)	2311	376	1194
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: #2 & Crescent Drive

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	48	80	188	59	169	228	238
Average Queue (ft)	12	33	13	16	15	176	189
95th Queue (ft)	39	63	94	45	94	212	238
Link Distance (ft)	1080	2562	4353		202	144	144
Upstream Blk Time (%)					0	15	11
Queuing Penalty (veh)					2	80	58
Storage Bay Dist (ft)				100			
Storage Blk Time (%)					0		
Queuing Penalty (veh)					0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	NE	NE
Directions Served	R	R	R	R
Maximum Queue (ft)	257	232	9	7
Average Queue (ft)	64	49	0	0
95th Queue (ft)	337	298	7	7
Link Distance (ft)	1279	1279	237	237
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: #3/#3 University Ave & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	NB	NB	SB	SB
Directions Served	R	T	TR	T	T
Maximum Queue (ft)	122	136	244	72	83
Average Queue (ft)	45	7	19	10	16
95th Queue (ft)	94	70	132	44	54
Link Distance (ft)	294	1034	1034	84	84
Upstream Blk Time (%)				0	0
Queuing Penalty (veh)				0	1
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 27: #2

Movement	WB
Directions Served	T
Maximum Queue (ft)	52
Average Queue (ft)	3
95th Queue (ft)	27
Link Distance (ft)	4353
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	151
Average Queue (ft)	118
95th Queue (ft)	135
Link Distance (ft)	52
Upstream Blk Time (%)	63
Queuing Penalty (veh)	422
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	297	315
Average Queue (ft)	162	176
95th Queue (ft)	260	273
Link Distance (ft)	672	672
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: #3/University Avenue

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	154	448	62	197	210	150	2545	2548
Average Queue (ft)	59	214	17	100	118	35	2137	2122
95th Queue (ft)	116	410	48	166	184	131	3000	2991
Link Distance (ft)	966	995		982	982		2505	2505
Upstream Blk Time (%)							52	51
Queuing Penalty (veh)							0	0
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)				2		0	88	
Queuing Penalty (veh)				0		0	13	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	93	57
Average Queue (ft)	13	4
95th Queue (ft)	56	31
Link Distance (ft)	2146	2146
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	B42
Directions Served	T
Maximum Queue (ft)	1
Average Queue (ft)	0
95th Queue (ft)	1
Link Distance (ft)	2484
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 57: US 101 NB On-Ramp

Movement	WB	B26	B26
Directions Served	T	T	
Maximum Queue (ft)	194	224	200
Average Queue (ft)	179	150	128
95th Queue (ft)	241	229	217
Link Distance (ft)	125	167	167
Upstream Blk Time (%)	54	6	6
Queuing Penalty (veh)	362	21	22
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 2245

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.3	0.3	6.3	8.4	0.2	0.2	4.4
Total Del/Veh (s)	25.8	25.6	26.1	22.2	15.0	12.0	24.3
Vehicles Entered	14	252	563	127	92	21	1069
Vehicles Exited	14	252	562	126	92	21	1067
Hourly Exit Rate	14	252	562	126	92	21	1067
Input Volume	13	250	644	142	90	20	1160
% of Volume	106	101	87	89	102	104	92
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	2	1	0	0	3

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBT	EBR	WBL	WBT	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.3	0.2	0.0	0.2		0.1	0.1	0.2
Total Del/Veh (s)	15.0	2.0	10.7	16.3		15.9	224.5	14.2
Vehicles Entered	273	79	373	698	0	1	2	1426
Vehicles Exited	272	78	372	694	0	1	2	1419
Hourly Exit Rate	272	78	372	694	0	1	2	1419
Input Volume	268	79	406	793	1	1	2	1550
% of Volume	102	98	92	88	0	100	100	92
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

3: University Avenue & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	6.7	4.3	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0
Total Del/Veh (s)	93.2	226.9	7.4	54.6	63.1	21.6	84.1	26.8	23.2	108.9	50.7	39.5
Vehicles Entered	11	102	157	265	642	461	282	561	615	54	674	125
Vehicles Exited	11	99	156	265	643	461	282	562	615	54	670	124
Hourly Exit Rate	11	99	156	265	643	461	282	562	615	54	670	124
Input Volume	11	100	156	274	700	508	350	706	753	55	675	125
% of Volume	100	99	100	97	92	91	81	80	82	99	99	99
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

3: University Avenue & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	47.9
Vehicles Entered	3949
Vehicles Exited	3942
Hourly Exit Rate	3942
Input Volume	4412
% of Volume	89
Denied Entry Before	0
Denied Entry After	0

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	8.9	26.9	11.0	0.1	0.1	4.4
Total Del/Veh (s)	35.2	33.5	7.2	212.0	95.2	148.4	90.6	50.7	100.6
Vehicles Entered	762	680	17	634	20	499	8	62	2682
Vehicles Exited	762	681	17	627	20	494	8	62	2671
Hourly Exit Rate	762	681	17	627	20	494	8	62	2671
Input Volume	904	690	17	729	25	573	8	64	3010
% of Volume	84	99	99	86	80	86	100	97	89
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	2	0	2	0	0	4

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0
Total Del/Veh (s)	58.3	54.0	14.6	42.0	32.1	68.8	70.5	12.9	76.6	10.9	32.6
Vehicles Entered	11	335	917	514	108	72	7	28	87	100	2179
Vehicles Exited	11	336	916	514	108	72	7	28	88	100	2180
Hourly Exit Rate	11	336	916	514	108	72	7	28	88	100	2180
Input Volume	13	388	1083	520	105	74	7	29	89	99	2409
% of Volume	83	87	85	99	103	97	100	96	99	101	91
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	46.4	47.0	5.3	23.7	22.6	50.8	26.4	20.3
Vehicles Entered	13	289	731	466	29	6	147	1681
Vehicles Exited	13	288	730	465	29	6	148	1679
Hourly Exit Rate	13	288	730	465	29	6	148	1679
Input Volume	13	350	839	466	26	7	149	1850
% of Volume	98	82	87	100	110	86	99	91
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

7: University Avenue#1/University Avenue & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.4	0.2	0.0	0.0	0.0	0.1
Total Del/Veh (s)	100.3	43.8	79.0	59.3	11.9	36.7	7.3	48.1
Vehicles Entered	286	3	638	1029	208	597	800	3561
Vehicles Exited	284	3	633	1027	208	597	800	3552
Hourly Exit Rate	284	3	633	1027	208	597	800	3552
Input Volume	321	3	706	1336	270	607	853	4095
% of Volume	88	109	90	77	77	98	94	87
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

8: Woodland Avenue#1 & University Avenue#1 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Del/Veh (s)	1.0	0.2	0.0	0.3	0.3	0.3	0.2	1.6	3.1	0.0	0.1	0.0
Total Del/Veh (s)	79.4	46.6	29.6	379.9	363.6	382.0	115.9	73.6	74.5	78.5	82.9	33.9
Vehicles Entered	460	80	40	13	58	305	14	527	8	6	212	534
Vehicles Exited	456	81	41	12	48	253	14	528	8	6	210	536
Hourly Exit Rate	456	81	41	12	48	253	14	528	8	6	210	536
Input Volume	520	88	45	12	57	300	25	787	13	6	225	577
% of Volume	88	93	91	100	84	84	55	67	62	100	93	93
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

8: Woodland Avenue#1 & University Avenue#1 Performance by movement

Movement	SBR	All
Denied Del/Veh (s)	0.0	0.6
Total Del/Veh (s)	6.5	104.5
Vehicles Entered	330	2587
Vehicles Exited	331	2524
Hourly Exit Rate	331	2524
Input Volume	365	3020
% of Volume	91	84
Denied Entry Before	0	0
Denied Entry After	0	0

9: #2/Woodland Avenue#1 & University Circle#1 Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.9	0.0	0.0	0.2	0.2	0.4
Total Del/Veh (s)	75.1	96.9	7.5	2.5	129.1	108.5	68.8
Vehicles Entered	6	368	332	67	226	8	1007
Vehicles Exited	6	361	332	66	217	8	990
Hourly Exit Rate	6	361	332	66	217	8	990
Input Volume	8	428	378	76	220	7	1117
% of Volume	73	84	88	87	99	110	89
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

10: #2 & Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	12.8	0.0	0.0	1.3	1.0	4.1
Total Del/Veh (s)	213.4	159.8	8.7	6.9	195.2	176.7	100.5
Vehicles Entered	1	220	144	192	184	6	747
Vehicles Exited	1	209	143	190	169	6	718
Hourly Exit Rate	1	209	143	190	169	6	718
Input Volume	2	258	166	215	181	6	828
% of Volume	50	81	86	88	93	100	87
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	3	0	0	0	0	3

11: Woodland Avenue/#2 & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.2	0.2	0.0	0.0	11.3	5.6	2.6
Total Del/Veh (s)	39.8	130.1	2.7	2.3	403.3	336.3	145.4
Vehicles Entered	1	168	99	52	86	9	415
Vehicles Exited	0	155	98	52	63	7	375
Hourly Exit Rate	0	155	98	52	63	7	375
Input Volume	1	168	114	60	85	8	436
% of Volume	0	92	86	87	74	85	86
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	1	0	1

12: University Avenue & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.1	150.1	126.2	138.0	0.3	0.1	0.0	64.4
Total Del/Veh (s)	1534.1	1214.9	2071.7	493.0	583.7	645.4	20.4	1.3	0.9	428.4
Vehicles Entered	3	8	63	1	634	2	9	581	4	1305
Vehicles Exited	2	5	6	0	530	2	9	581	4	1139
Hourly Exit Rate	2	5	6	0	530	2	9	581	4	1139
Input Volume	4	8	65	1	744	3	10	626	4	1465
% of Volume	50	65	9	0	71	67	88	93	100	78
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	58	0	0	0	0	58

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	200.3	1.3	2.8	113.0
Vehicles Entered	999	2	806	1807
Vehicles Exited	925	2	806	1733
Hourly Exit Rate	925	2	806	1733
Input Volume	1027	2	877	1906
% of Volume	90	89	92	91
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by move

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	0.9	0.3	0.0	0.4
Total Del/Veh (s)	2.2	87.6	84.8	1.5	48.7
Vehicles Entered	370	1468	195	1028	3061
Vehicles Exited	370	1453	194	1028	3045
Hourly Exit Rate	370	1453	194	1028	3045
Input Volume	423	1805	238	1038	3504
% of Volume	87	80	82	99	87
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

26: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	0.1	0.1
Total Del/Veh (s)	17.7	17.7
Vehicles Entered	462	462
Vehicles Exited	462	462
Hourly Exit Rate	462	462
Input Volume	496	496
% of Volume	93	93
Denied Entry Before	0	0
Denied Entry After	0	0

27: University Avenue Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	2.5	3.5	3.1
Total Del/Veh (s)	54.9	19.1	33.0
Vehicles Entered	658	1005	1663
Vehicles Exited	613	1003	1616
Hourly Exit Rate	613	1003	1616
Input Volume	669	1056	1725
% of Volume	92	95	94
Denied Entry Before	0	2	2
Denied Entry After	6	2	8

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	9.9	9.9
Vehicles Entered	451	451
Vehicles Exited	451	451
Hourly Exit Rate	451	451
Input Volume	486	486
% of Volume	93	93
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	10.5	10.5
Vehicles Entered	854	854
Vehicles Exited	856	856
Hourly Exit Rate	856	856
Input Volume	927	927
% of Volume	92	92
Denied Entry Before	0	0
Denied Entry After	0	0

36: University Avenue & Bell St Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.2	0.2	1.7	1.5	1.7	593.8	602.6	635.0	0.2	0.0	0.0
Total Del/Veh (s)	68.9	47.7	29.0	99.2	102.9	93.8	144.9	82.1	82.9	76.2	18.7	14.8
Vehicles Entered	4	87	18	112	129	33	112	1420	77	43	723	28
Vehicles Exited	4	87	18	112	129	33	112	1422	77	44	723	28
Hourly Exit Rate	4	87	18	112	129	33	112	1422	77	44	723	28
Input Volume	5	84	16	112	126	34	155	1985	113	44	727	25
% of Volume	80	104	112	100	102	96	72	72	68	99	99	111
Denied Entry Before	0	0	0	0	0	0	9	118	6	0	0	0
Denied Entry After	0	0	0	0	0	0	41	528	27	0	0	0

36: University Avenue & Bell St Performance by movement

Movement	All
Denied Del/Veh (s)	393.6
Total Del/Veh (s)	68.1
Vehicles Entered	2786
Vehicles Exited	2789
Hourly Exit Rate	2789
Input Volume	3426
% of Volume	81
Denied Entry Before	133
Denied Entry After	596

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	124.6	122.3	122.9
Total Del/Veh (s)	121.9	142.5	137.5
Vehicles Entered	386	1209	1595
Vehicles Exited	371	1155	1526
Hourly Exit Rate	371	1155	1526
Input Volume	423	1320	1743
% of Volume	88	88	88
Denied Entry Before	0	0	0
Denied Entry After	34	114	148

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	0.4	1.3	0.9
Vehicles Entered	492	740	1232
Vehicles Exited	493	740	1233
Hourly Exit Rate	493	740	1233
Input Volume	489	849	1338
% of Volume	101	87	92
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

57: University Avenue Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.5	0.2
Total Del/Veh (s)	139.7	22.7	100.7
Vehicles Entered	1460	758	2218
Vehicles Exited	1459	757	2216
Hourly Exit Rate	1459	757	2216
Input Volume	2024	762	2786
% of Volume	72	99	80
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

61: Donohoe Street Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.2	0.0	0.1
Total Del/Veh (s)	14.6	309.4	223.7
Vehicles Entered	243	567	810
Vehicles Exited	242	524	766
Hourly Exit Rate	242	524	766
Input Volume	239	649	888
% of Volume	101	81	86
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Denied Del/Veh (s)	183.8
Total Del/Veh (s)	360.3
Vehicles Entered	8243
Vehicles Exited	7601
Hourly Exit Rate	7601
Input Volume	58128
% of Volume	13
Denied Entry Before	135
Denied Entry After	824

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	144	178	218	111
Average Queue (ft)	75	56	197	47
95th Queue (ft)	155	213	234	101
Link Distance (ft)		2005	202	694
Upstream Blk Time (%)			10	
Queuing Penalty (veh)			77	
Storage Bay Dist (ft)	250			
Storage Blk Time (%)	1	2		
Queuing Penalty (veh)	2	3		

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	SB
Directions Served	LT	R	L	TR	LTR
Maximum Queue (ft)	86	30	279	314	32
Average Queue (ft)	33	4	106	165	5
95th Queue (ft)	152	19	231	342	25
Link Distance (ft)	202	202	328	328	453
Upstream Blk Time (%)	7		0	1	
Queuing Penalty (veh)	13		1	4	
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 3: University Avenue & Donohoe Street

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	T	R	L	LT	TR	R	L	L	T	T	R
Maximum Queue (ft)	152	305	110	249	292	288	264	89	235	246	257	87
Average Queue (ft)	23	190	43	176	257	255	139	30	185	153	225	85
95th Queue (ft)	121	364	89	314	304	303	266	88	256	290	275	98
Link Distance (ft)		328	328		249	249	249	87	87	87	87	
Upstream Blk Time (%)		16		2	27	30	1	2	63	13	36	25
Queuing Penalty (veh)		21		0	134	147	7	7	284	57	164	0
Storage Bay Dist (ft)	200			200								100
Storage Blk Time (%)		35		8	43						36	25
Queuing Penalty (veh)		4		38	58						275	87

Intersection: 3: University Avenue & Donohoe Street

Movement	SB	SB	SB
Directions Served	L	T	TR
Maximum Queue (ft)	260	564	390
Average Queue (ft)	91	262	176
95th Queue (ft)	231	459	314
Link Distance (ft)		988	988
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	235		
Storage Blk Time (%)	0	21	
Queuing Penalty (veh)	0	12	

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	B58	B58	SB
Directions Served	T	T	T	T	TR	L	L	T	R	T	T	L
Maximum Queue (ft)	278	282	284	262	151	778	746	786	600	337	376	50
Average Queue (ft)	227	155	164	111	27	639	578	541	522	211	302	10
95th Queue (ft)	316	283	304	245	92	965	949	1085	740	418	477	37
Link Distance (ft)	249	249	258	258	258	686	686	686		186	186	525
Upstream Blk Time (%)	20	1	7	1	0	48	26	44		32	56	
Queuing Penalty (veh)	92	6	16	2	0	213	114	195		209	370	
Storage Bay Dist (ft)									500			
Storage Blk Time (%)								4	54			
Queuing Penalty (veh)								25	10			

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	148
Average Queue (ft)	53
95th Queue (ft)	113
Link Distance (ft)	525
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	LT	R	LT	R
Maximum Queue (ft)	150	284	245	184	209	213	107	98	64	206	99
Average Queue (ft)	145	257	99	37	145	159	34	37	20	80	42
95th Queue (ft)	166	320	205	111	227	240	83	80	49	168	79
Link Distance (ft)		258	258	258	185	185	497	497	497	939	939
Upstream Blk Time (%)		33	0	0	12	18					
Queuing Penalty (veh)		164	0	0	36	55					
Storage Bay Dist (ft)	100										
Storage Blk Time (%)	51	11									
Queuing Penalty (veh)	183	45									

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	210	170	189	127	246	284	38	188
Average Queue (ft)	176	39	55	16	92	114	6	72
95th Queue (ft)	247	130	162	77	206	240	25	148
Link Distance (ft)	185	185	185	185	489	489	2208	2208
Upstream Blk Time (%)	24	0	0	0				
Queuing Penalty (veh)	71	0	1	0				
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: University Avenue#1/University Avenue & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	274	314	315	373	387	271	165	292	310	187	196
Average Queue (ft)	213	287	285	350	357	53	39	149	171	55	85
95th Queue (ft)	300	309	323	385	377	185	105	256	272	132	166
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	1	68	69	22	32	2					
Queuing Penalty (veh)	5	233	236	115	172	8					
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0		0	0	0	
Queuing Penalty (veh)						0		0	0	0	

Intersection: 8: Woodland Avenue#1 & University Avenue#1

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	181	186	153	2119	125	124	222	230	243	318	366	331
Average Queue (ft)	158	160	60	1099	124	22	149	201	215	206	158	155
95th Queue (ft)	179	172	139	2248	134	71	235	241	234	316	301	268
Link Distance (ft)	156	156	156	5698			144	144	202		349	349
Upstream Blk Time (%)	58	70	3			0	28	69	63		1	0
Queuing Penalty (veh)	124	150	6			0	116	281	509		5	0
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				5	86	0	38			9	2	
Queuing Penalty (veh)				14	60	0	10			27	3	

Intersection: 8: Woodland Avenue#1 & University Avenue#1

Movement	SB
Directions Served	R
Maximum Queue (ft)	180
Average Queue (ft)	65
95th Queue (ft)	126
Link Distance (ft)	349
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: #2/Woodland Avenue#1 & University Circle#1

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	219	223	117	131	104	356	411
Average Queue (ft)	130	197	38	53	11	129	187
95th Queue (ft)	236	257	88	106	47	286	367
Link Distance (ft)	207	207	156	156		1048	1048
Upstream Blk Time (%)	8	53	0	0			
Queuing Penalty (veh)	18	114	0	0			
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				1	0		
Queuing Penalty (veh)				1	0		

Intersection: 10: #2 & Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	384	104	135	711
Average Queue (ft)	272	48	60	303
95th Queue (ft)	493	83	105	767
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)	38	0	0	1
Queuing Penalty (veh)	96	0	0	0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: Woodland Avenue/#2 & Euclid Avenue

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	505	686
Average Queue (ft)	177	271
95th Queue (ft)	607	832
Link Distance (ft)	2311	1194
Upstream Blk Time (%)		3
Queuing Penalty (veh)		0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 12: University Avenue & Crescent Drive

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	196	1660	4304	38	128	218	220
Average Queue (ft)	99	1058	3163	6	9	118	94
95th Queue (ft)	240	1771	5098	26	69	224	229
Link Distance (ft)	1080	2562	4353		202	144	144
Upstream Blk Time (%)			13		0	4	3
Queuing Penalty (veh)			83		1	14	10
Storage Bay Dist (ft)				100			
Storage Blk Time (%)					0		
Queuing Penalty (veh)					0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	B17
Directions Served	R	R	T
Maximum Queue (ft)	1270	1263	1612
Average Queue (ft)	844	827	426
95th Queue (ft)	1585	1580	1931
Link Distance (ft)	1279	1279	4248
Upstream Blk Time (%)	15	13	1
Queuing Penalty (veh)	0	0	0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	117	1358	1064	1070	54	68
Average Queue (ft)	33	225	781	813	3	12
95th Queue (ft)	91	1091	1299	1333	24	44
Link Distance (ft)	288	1309	1034	1034	87	87
Upstream Blk Time (%)			4	7	0	0
Queuing Penalty (veh)			45	66	0	0
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 26: US 101 NB On-Ramp

Movement	WB
Directions Served	T
Maximum Queue (ft)	306
Average Queue (ft)	155
95th Queue (ft)	268
Link Distance (ft)	375
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: University Avenue

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	1246	56
Average Queue (ft)	262	3
95th Queue (ft)	1130	29
Link Distance (ft)	2340	4353
Upstream Blk Time (%)	1	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	102
Average Queue (ft)	79
95th Queue (ft)	90
Link Distance (ft)	18
Upstream Blk Time (%)	44
Queuing Penalty (veh)	215
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	208	227
Average Queue (ft)	101	118
95th Queue (ft)	175	193
Link Distance (ft)	667	667
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: University Avenue & Bell St

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	174	498	150	877	887	149	288	260
Average Queue (ft)	76	291	130	689	707	58	163	137
95th Queue (ft)	147	498	182	839	853	130	258	231
Link Distance (ft)	507	528		988	988		1055	1055
Upstream Blk Time (%)		4			0			
Queuing Penalty (veh)		0			0			
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)			19	54		0	13	
Queuing Penalty (veh)			186	84		1	6	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	1451	1461
Average Queue (ft)	1006	1020
95th Queue (ft)	1967	1974
Link Distance (ft)	1451	1451
Upstream Blk Time (%)	21	45
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	NB	B42	SB
Directions Served	T	T	T
Maximum Queue (ft)	2	3	4
Average Queue (ft)	0	0	0
95th Queue (ft)	3	4	5
Link Distance (ft)	560	2483	489
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 57: University Avenue

Movement	NB	NB	SB	SB
Directions Served	T	T	T	T
Maximum Queue (ft)	1083	1087	230	215
Average Queue (ft)	1050	1056	183	118
95th Queue (ft)	1087	1085	252	209
Link Distance (ft)	1055	1055	202	202
Upstream Blk Time (%)	5	7	10	1
Queuing Penalty (veh)	46	70	0	0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 61: Donohoe Street

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	147	1808
Average Queue (ft)	79	1343
95th Queue (ft)	129	2215
Link Distance (ft)	1392	2005
Upstream Blk Time (%)		3
Queuing Penalty (veh)		19
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 6352

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.5	0.3	5.3	5.2	0.1	0.2	3.6
Total Del/Veh (s)	13.2	13.9	25.3	21.6	6.7	6.3	20.2
Vehicles Entered	16	258	577	159	90	18	1118
Vehicles Exited	15	257	576	158	90	18	1114
Hourly Exit Rate	15	257	576	158	90	18	1114
Input Volume	16	250	646	182	93	20	1208
% of Volume	92	103	89	87	97	89	92
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	1	1	0	0	2

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBT	EBR	WBL	WBT	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.1		0.1	0.1	0.1
Total Del/Veh (s)	7.0	1.9	9.3	14.6		97.9	96.9	11.3
Vehicles Entered	271	82	369	738	0	1	2	1463
Vehicles Exited	272	82	369	739	0	1	2	1465
Hourly Exit Rate	272	82	369	739	0	1	2	1465
Input Volume	270	80	406	833	1	1	2	1593
% of Volume	101	102	91	89	0	100	100	92
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

3: University Avenue & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	3.7	1.8	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	87.1	180.1	6.8	55.5	63.4	23.5	84.1	27.0	19.3	109.6	52.2	42.9
Vehicles Entered	11	96	162	267	652	465	305	568	630	54	673	128
Vehicles Exited	11	95	161	267	651	465	304	570	630	53	674	130
Hourly Exit Rate	11	95	161	267	651	465	304	570	630	53	674	130
Input Volume	12	99	157	274	720	508	372	706	753	55	675	125
% of Volume	90	96	102	98	90	92	82	81	84	97	100	104
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

3: University Avenue & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	0.2
Total Del/Veh (s)	46.6
Vehicles Entered	4011
Vehicles Exited	4011
Hourly Exit Rate	4011
Input Volume	4456
% of Volume	90
Denied Entry Before	0
Denied Entry After	0

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	9.0	15.1	7.9	0.2	0.1	3.7
Total Del/Veh (s)	29.3	32.2	5.3	247.9	77.6	113.9	75.4	59.0	101.2
Vehicles Entered	773	688	17	644	22	494	8	65	2711
Vehicles Exited	772	687	17	632	22	502	8	65	2705
Hourly Exit Rate	772	687	17	632	22	502	8	65	2705
Input Volume	904	694	17	743	25	573	8	64	3028
% of Volume	85	99	99	85	88	88	100	102	89
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	2	0	1	0	0	3

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0
Total Del/Veh (s)	54.4	46.5	14.3	44.1	34.9	66.4	60.3	11.9	65.0	10.7	31.1
Vehicles Entered	11	328	944	521	106	71	8	30	91	102	2212
Vehicles Exited	11	329	943	520	106	71	8	30	90	101	2209
Hourly Exit Rate	11	329	943	520	106	71	8	30	90	101	2209
Input Volume	13	388	1083	524	105	74	7	29	89	99	2413
% of Volume	83	85	87	99	101	96	114	103	101	102	92
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	47.3	46.0	6.0	36.1	38.0	57.3	28.7	24.6
Vehicles Entered	11	315	738	464	29	7	151	1715
Vehicles Exited	11	316	739	467	30	7	152	1722
Hourly Exit Rate	11	316	739	467	30	7	152	1722
Input Volume	13	350	839	468	26	7	150	1854
% of Volume	83	90	88	100	114	100	101	93
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

7: University Avenue#1/University Avenue & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.3	0.0	0.3	0.1	0.0	0.0	0.0	0.1
Total Del/Veh (s)	103.3	41.7	78.6	55.0	11.6	36.3	7.1	47.1
Vehicles Entered	287	4	640	1065	210	596	801	3603
Vehicles Exited	287	4	640	1065	210	596	800	3602
Hourly Exit Rate	287	4	640	1065	210	596	800	3602
Input Volume	321	3	720	1343	270	608	853	4118
% of Volume	89	114	89	79	78	98	94	87
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

8: Woodland Avenue#1 & University Avenue#1 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Del/Veh (s)	1.3	0.3	0.9	0.2	0.3	0.3	0.8	1.3	7.0	0.0	0.0	0.0
Total Del/Veh (s)	78.2	46.9	33.2	449.5	378.6	389.8	118.3	71.0	69.5	84.3	77.0	34.7
Vehicles Entered	462	76	45	13	54	301	16	552	10	6	207	527
Vehicles Exited	460	76	45	11	47	260	16	556	10	6	208	527
Hourly Exit Rate	460	76	45	11	47	260	16	556	10	6	208	527
Input Volume	520	88	45	12	57	300	25	795	13	6	225	577
% of Volume	89	87	99	92	82	87	63	70	77	100	93	91
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

8: Woodland Avenue#1 & University Avenue#1 Performance by movement

Movement	SBR	All
Denied Del/Veh (s)	0.0	0.6
Total Del/Veh (s)	7.0	104.2
Vehicles Entered	345	2614
Vehicles Exited	346	2568
Hourly Exit Rate	346	2568
Input Volume	365	3028
% of Volume	95	85
Denied Entry Before	0	0
Denied Entry After	0	0

9: #2/Woodland Avenue#1 & University Circle#1 Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.6	0.0	0.0	0.2	0.2	0.2
Total Del/Veh (s)	61.0	96.4	7.7	2.7	130.3	124.2	67.8
Vehicles Entered	7	367	341	72	215	9	1011
Vehicles Exited	7	362	342	72	214	9	1006
Hourly Exit Rate	7	362	342	72	214	9	1006
Input Volume	8	428	378	76	220	7	1117
% of Volume	85	85	90	95	97	124	90
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

10: #2 & Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	89.8	21.0	0.0	0.0	4.2	9.2	7.3
Total Del/Veh (s)	167.2	173.3	8.2	6.5	221.5	211.8	110.2
Vehicles Entered	1	217	146	200	185	6	755
Vehicles Exited	1	207	146	200	171	6	731
Hourly Exit Rate	1	207	146	200	171	6	731
Input Volume	2	258	166	215	181	6	828
% of Volume	50	80	88	93	95	100	88
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	3	0	0	1	0	4

11: Woodland Avenue/#2 & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.2	0.2	0.0	0.0	26.5	34.3	6.4
Total Del/Veh (s)	92.7	149.6	2.7	2.3	493.7	436.9	171.5
Vehicles Entered	1	166	99	55	82	9	412
Vehicles Exited	1	154	98	54	59	6	372
Hourly Exit Rate	1	154	98	54	59	6	372
Input Volume	1	168	114	60	85	8	436
% of Volume	100	92	86	90	69	73	85
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	4	1	5

12: University Avenue & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.2	112.1	148.7	141.0	0.0	0.1	0.0	76.3
Total Del/Veh (s)	1472.2	1135.7	2102.0	284.1	595.3	576.5	22.2	1.3	1.6	443.1
Vehicles Entered	4	9	68	1	641	3	9	579	3	1317
Vehicles Exited	2	5	5	0	558	3	9	579	3	1164
Hourly Exit Rate	2	5	5	0	558	3	9	579	3	1164
Input Volume	4	8	65	1	752	3	10	626	4	1473
% of Volume	50	65	8	0	74	100	88	93	75	79
Denied Entry Before	0	0	0	0	2	0	0	0	0	2
Denied Entry After	0	0	0	0	64	0	0	0	0	64

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	227.9	2.1	2.7	128.4
Vehicles Entered	984	2	806	1792
Vehicles Exited	928	2	806	1736
Hourly Exit Rate	928	2	806	1736
Input Volume	1041	2	878	1921
% of Volume	89	89	92	90
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by move

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	0.8	0.9	0.0	0.4
Total Del/Veh (s)	2.1	84.7	76.4	1.4	47.4
Vehicles Entered	368	1502	205	1032	3107
Vehicles Exited	368	1497	206	1031	3102
Hourly Exit Rate	368	1497	206	1031	3102
Input Volume	423	1826	238	1040	3527
% of Volume	87	82	87	99	88
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

26: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	0.1	0.1
Total Del/Veh (s)	17.4	17.4
Vehicles Entered	462	462
Vehicles Exited	463	463
Hourly Exit Rate	463	463
Input Volume	497	497
% of Volume	93	93
Denied Entry Before	0	0
Denied Entry After	0	0

27: University Avenue Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	10.4	3.5	6.2
Total Del/Veh (s)	74.1	19.0	40.7
Vehicles Entered	670	1006	1676
Vehicles Exited	628	1006	1634
Hourly Exit Rate	628	1006	1634
Input Volume	677	1056	1733
% of Volume	93	95	94
Denied Entry Before	0	1	1
Denied Entry After	6	2	8

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	9.8	9.8
Vehicles Entered	453	453
Vehicles Exited	453	453
Hourly Exit Rate	453	453
Input Volume	487	487
% of Volume	93	93
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	10.2	10.2
Vehicles Entered	862	862
Vehicles Exited	861	861
Hourly Exit Rate	861	861
Input Volume	928	928
% of Volume	93	93
Denied Entry Before	0	0
Denied Entry After	0	0

36: University Avenue & Bell St Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.2	0.1	0.3	0.3	0.3	522.3	521.5	536.0	0.2	0.0	0.0
Total Del/Veh (s)	67.3	49.7	28.6	83.3	87.3	79.1	140.2	81.4	80.4	74.3	18.4	15.5
Vehicles Entered	5	81	15	106	128	34	112	1422	84	42	732	24
Vehicles Exited	5	81	15	106	127	34	115	1420	85	42	733	24
Hourly Exit Rate	5	81	15	106	127	34	115	1420	85	42	733	24
Input Volume	5	84	16	112	126	34	155	1986	113	44	727	25
% of Volume	100	97	94	95	101	99	74	72	75	95	101	95
Denied Entry Before	0	0	0	0	0	0	6	75	4	0	0	0
Denied Entry After	0	0	0	0	0	0	38	480	26	0	0	0

36: University Avenue & Bell St Performance by movement

Movement	All
Denied Del/Veh (s)	339.2
Total Del/Veh (s)	66.0
Vehicles Entered	2785
Vehicles Exited	2787
Hourly Exit Rate	2787
Input Volume	3427
% of Volume	81
Denied Entry Before	85
Denied Entry After	544

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	152.2	154.1	153.6
Total Del/Veh (s)	135.3	152.5	148.4
Vehicles Entered	381	1206	1587
Vehicles Exited	367	1163	1530
Hourly Exit Rate	367	1163	1530
Input Volume	423	1334	1757
% of Volume	87	87	87
Denied Entry Before	2	6	8
Denied Entry After	43	139	182

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	0.4	1.3	0.9
Vehicles Entered	489	749	1238
Vehicles Exited	490	749	1239
Hourly Exit Rate	490	749	1239
Input Volume	492	849	1342
% of Volume	100	88	92
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

57: University Avenue Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.6	0.2
Total Del/Veh (s)	140.6	23.6	101.3
Vehicles Entered	1459	763	2222
Vehicles Exited	1457	766	2223
Hourly Exit Rate	1457	766	2223
Input Volume	2025	762	2787
% of Volume	72	100	80
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

61: Donohoe Street Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.2	0.0	0.1
Total Del/Veh (s)	16.3	269.6	195.5
Vehicles Entered	245	577	822
Vehicles Exited	247	525	772
Hourly Exit Rate	247	525	772
Input Volume	239	649	888
% of Volume	103	81	87
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Denied Del/Veh (s)	171.6
Total Del/Veh (s)	369.5
Vehicles Entered	8213
Vehicles Exited	7699
Hourly Exit Rate	7699
Input Volume	58478
% of Volume	13
Denied Entry Before	96
Denied Entry After	820

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	137	99	218	78
Average Queue (ft)	67	39	200	39
95th Queue (ft)	118	83	228	67
Link Distance (ft)		2005	202	694
Upstream Blk Time (%)			9	
Queuing Penalty (veh)			73	
Storage Bay Dist (ft)	250			
Storage Blk Time (%)	0	0		
Queuing Penalty (veh)	0	0		

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	SB
Directions Served	LT	R	L	TR	LTR
Maximum Queue (ft)	51	27	252	320	29
Average Queue (ft)	15	4	93	174	4
95th Queue (ft)	96	18	196	333	21
Link Distance (ft)	202	202	328	328	453
Upstream Blk Time (%)	2		0	0	
Queuing Penalty (veh)	4		0	1	
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 3: University Avenue & Donohoe Street

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	T	R	L	LT	TR	R	L	L	T	T	R
Maximum Queue (ft)	138	275	110	249	293	293	264	96	235	240	259	87
Average Queue (ft)	22	153	43	176	262	258	148	31	194	145	226	84
95th Queue (ft)	116	317	88	317	293	292	276	89	259	281	270	98
Link Distance (ft)		328	328		249	249	249	87	87	87	87	
Upstream Blk Time (%)		7		2	28	31	1	1	67	10	34	19
Queuing Penalty (veh)		9		0	139	155	6	6	305	47	153	0
Storage Bay Dist (ft)	200			200								100
Storage Blk Time (%)		24		9	43						34	19
Queuing Penalty (veh)		3		43	59						252	68

Intersection: 3: University Avenue & Donohoe Street

Movement	SB	SB	SB
Directions Served	L	T	TR
Maximum Queue (ft)	259	497	383
Average Queue (ft)	81	264	190
95th Queue (ft)	208	498	398
Link Distance (ft)		988	988
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	235		
Storage Blk Time (%)		21	
Queuing Penalty (veh)		11	

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	B58	B58	SB
Directions Served	T	T	T	T	TR	L	L	T	R	T	T	L
Maximum Queue (ft)	270	269	278	253	141	785	764	774	600	346	377	50
Average Queue (ft)	211	148	164	108	25	720	675	406	455	246	300	10
95th Queue (ft)	314	269	312	241	82	880	896	1004	735	433	484	37
Link Distance (ft)	249	249	258	258	258	686	686	686		186	186	525
Upstream Blk Time (%)	14	1	7	0	0	65	40	27		44	54	
Queuing Penalty (veh)	62	4	17	1	0	287	178	121		293	362	
Storage Bay Dist (ft)									500			
Storage Blk Time (%)								1	38			
Queuing Penalty (veh)								8	7			

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	169
Average Queue (ft)	59
95th Queue (ft)	125
Link Distance (ft)	525
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	LT	R	LT	R
Maximum Queue (ft)	150	286	244	169	213	212	108	101	58	178	100
Average Queue (ft)	143	247	100	33	150	166	32	35	20	74	41
95th Queue (ft)	171	329	197	104	228	236	79	80	50	142	79
Link Distance (ft)		258	258	258	185	185	497	497	497	939	939
Upstream Blk Time (%)		24	0	0	14	22					
Queuing Penalty (veh)		120	0	0	44	69					
Storage Bay Dist (ft)	100										
Storage Blk Time (%)	43	14									
Queuing Penalty (veh)	156	55									

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	209	156	179	123	299	341	44	181
Average Queue (ft)	183	44	61	17	121	150	7	77
95th Queue (ft)	244	129	158	75	273	314	30	156
Link Distance (ft)	185	185	185	185	489	489	2208	2208
Upstream Blk Time (%)	26	0	0	0		0		
Queuing Penalty (veh)	77	0	1	0		0		
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: University Avenue#1/University Avenue & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	278	315	319	376	388	304	97	295	306	220	257
Average Queue (ft)	214	289	288	348	356	54	36	145	165	57	83
95th Queue (ft)	299	304	318	384	381	189	84	252	263	206	198
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	1	72	70	19	29	1				0	0
Queuing Penalty (veh)	3	251	244	103	158	7				1	0
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)								0	0		
Queuing Penalty (veh)								0	2		

Intersection: 8: Woodland Avenue#1 & University Avenue#1

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	191	185	156	1832	125	120	225	232	243	312	335	314
Average Queue (ft)	159	161	63	1119	124	24	158	200	216	200	155	159
95th Queue (ft)	184	175	146	2250	130	78	236	245	234	303	280	267
Link Distance (ft)	156	156	156	5698			144	144	202		349	349
Upstream Blk Time (%)	58	69	3			0	36	67	61		1	0
Queuing Penalty (veh)	125	149	6			0	148	277	499		3	1
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				4	85	0	44			7	2	
Queuing Penalty (veh)				13	59	0	11			19	4	

Intersection: 8: Woodland Avenue#1 & University Avenue#1

Movement	SB
Directions Served	R
Maximum Queue (ft)	194
Average Queue (ft)	72
95th Queue (ft)	138
Link Distance (ft)	349
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: #2/Woodland Avenue#1 & University Circle#1

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	216	222	111	150	104	370	428
Average Queue (ft)	133	195	40	56	15	125	190
95th Queue (ft)	242	260	91	114	61	303	400
Link Distance (ft)	207	207	156	156		1048	1048
Upstream Blk Time (%)	11	53	0	0			
Queuing Penalty (veh)	23	114	0	0			
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				2	0		
Queuing Penalty (veh)				1	0		

Intersection: 10: #2 & Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	374	107	134	672
Average Queue (ft)	284	48	63	341
95th Queue (ft)	508	84	108	820
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)	45			4
Queuing Penalty (veh)	114			0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: Woodland Avenue/#2 & Euclid Avenue

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	522	676
Average Queue (ft)	211	314
95th Queue (ft)	622	934
Link Distance (ft)	2311	1194
Upstream Blk Time (%)		7
Queuing Penalty (veh)		0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 12: University Avenue & Crescent Drive

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	220	1786	4302	38	187	209	218
Average Queue (ft)	108	1114	3411	6	12	118	101
95th Queue (ft)	243	1897	4989	26	84	224	231
Link Distance (ft)	1080	2562	4353		202	144	144
Upstream Blk Time (%)			12		0	4	3
Queuing Penalty (veh)			78		1	14	10
Storage Bay Dist (ft)				100			
Storage Blk Time (%)					0		
Queuing Penalty (veh)					0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	B17	NE
Directions Served	R	R	T	R
Maximum Queue (ft)	1251	1249	1662	7
Average Queue (ft)	965	951	637	0
95th Queue (ft)	1608	1605	2524	0
Link Distance (ft)	1279	1279	4248	237
Upstream Blk Time (%)	18	15	2	
Queuing Penalty (veh)	0	0	0	
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	145	1457	1053	1063	49	66
Average Queue (ft)	34	250	797	832	3	11
95th Queue (ft)	103	1154	1248	1275	25	41
Link Distance (ft)	288	1309	1034	1034	87	87
Upstream Blk Time (%)	0		2	4	0	0
Queuing Penalty (veh)	0		21	37	0	0
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 26: US 101 NB On-Ramp

Movement	WB
Directions Served	T
Maximum Queue (ft)	308
Average Queue (ft)	155
95th Queue (ft)	270
Link Distance (ft)	375
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: University Avenue

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	1125	33
Average Queue (ft)	373	1
95th Queue (ft)	1578	17
Link Distance (ft)	2340	4353
Upstream Blk Time (%)	6	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	103
Average Queue (ft)	80
95th Queue (ft)	90
Link Distance (ft)	18
Upstream Blk Time (%)	44
Queuing Penalty (veh)	217
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	201	206
Average Queue (ft)	97	113
95th Queue (ft)	170	187
Link Distance (ft)	667	667
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: University Avenue & Bell St

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	182	469	150	841	854	149	281	261
Average Queue (ft)	75	262	130	685	703	57	161	136
95th Queue (ft)	141	429	185	816	830	130	253	233
Link Distance (ft)	507	528		988	988		1055	1055
Upstream Blk Time (%)		0			0			
Queuing Penalty (veh)		0			0			
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)			18	54		1	13	
Queuing Penalty (veh)			183	83		2	6	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	1467	1475
Average Queue (ft)	1088	1091
95th Queue (ft)	2002	2009
Link Distance (ft)	1451	1451
Upstream Blk Time (%)	28	55
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 42: Bend

Movement	SE
Directions Served	T
Maximum Queue (ft)	3
Average Queue (ft)	0
95th Queue (ft)	3
Link Distance (ft)	560
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	SB
Directions Served	T
Maximum Queue (ft)	7
Average Queue (ft)	0
95th Queue (ft)	6
Link Distance (ft)	489
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 57: University Avenue

Movement	NB	NB	SB	SB
Directions Served	T	T	T	T
Maximum Queue (ft)	1079	1095	236	212
Average Queue (ft)	1051	1057	187	118
95th Queue (ft)	1085	1089	251	212
Link Distance (ft)	1055	1055	202	202
Upstream Blk Time (%)	5	7	12	2
Queuing Penalty (veh)	52	74	0	0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 61: Donohoe Street

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	179	1821
Average Queue (ft)	84	1183
95th Queue (ft)	149	2028
Link Distance (ft)	1392	2005
Upstream Blk Time (%)		1
Queuing Penalty (veh)		5
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 6315

1: Donohoe St & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.3	0.2	0.2	0.1	0.2	0.1	0.2
Total Del/Veh (s)	32.2	8.3	13.3	7.3	42.3	26.1	14.1
Vehicles Entered	15	245	619	183	92	20	1174
Vehicles Exited	15	245	620	182	91	19	1172
Hourly Exit Rate	15	245	620	182	91	19	1172
Input Volume	16	250	646	182	93	20	1208
% of Volume	92	98	96	100	98	94	97
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBT	EBR	WBL	WBT	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Total Del/Veh (s)	17.1	2.8	27.6	23.9	35.6	64.3	8.3	22.7
Vehicles Entered	262	80	399	803	1	1	2	1548
Vehicles Exited	262	80	399	805	1	1	2	1550
Hourly Exit Rate	262	80	399	805	1	1	2	1550
Input Volume	270	80	406	833	1	1	2	1593
% of Volume	97	100	98	97	100	100	100	97
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

3: #3 University Ave/#3 & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.7	0.7	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0
Total Del/Veh (s)	33.1	70.3	54.2	20.7	57.0	27.7	38.3	21.3	11.7	69.1	31.8	28.8
Vehicles Entered	11	97	154	264	722	501	341	648	674	55	682	121
Vehicles Exited	12	97	155	264	717	502	341	648	673	55	681	121
Hourly Exit Rate	12	97	155	264	717	502	341	648	673	55	681	121
Input Volume	12	99	157	274	720	508	372	716	753	55	676	125
% of Volume	98	98	99	96	100	99	92	90	89	100	101	97
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

3: #3 University Ave/#3 & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	0.1
Total Del/Veh (s)	32.8
Vehicles Entered	4270
Vehicles Exited	4266
Hourly Exit Rate	4266
Input Volume	4467
% of Volume	95
Denied Entry Before	0
Denied Entry After	0

4: US 101 NB Off Ramp/Capitol Ave & Donohoe St Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.6	0.9	0.8	0.1	0.1	0.3
Total Del/Veh (s)	25.1	30.8	29.0	25.7	27.3	62.1	51.4	7.4	33.6
Vehicles Entered	821	684	18	742	34	569	7	65	2940
Vehicles Exited	818	679	18	743	34	562	6	65	2925
Hourly Exit Rate	818	679	18	743	34	562	6	65	2925
Input Volume	904	694	17	743	33	573	8	64	3037
% of Volume	91	98	104	100	102	98	75	102	96
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	1	0	1	0	0	2

5: Donohoe St & Cooley Ave Performance by movement

Movement	EBU	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	3.4	4.4	1.3	0.2	0.2	0.1
Total Del/Veh (s)	42.4	45.0	11.2	29.3	26.6	48.1	56.2	11.5	47.7	11.6	24.1
Vehicles Entered	13	357	1017	516	101	70	6	32	86	103	2301
Vehicles Exited	13	355	1015	514	100	71	6	32	85	103	2294
Hourly Exit Rate	13	355	1015	514	100	71	6	32	85	103	2294
Input Volume	13	388	1083	524	105	74	7	29	89	99	2413
% of Volume	98	91	94	98	95	96	86	109	95	104	95
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0

6: E. Bayshore & Donohoe Street Performance by movement

Movement	WBL	WBR	NBT	NBR	SBU	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	43.4	31.7	23.5	22.5	59.1	43.7	1.2	18.5
Vehicles Entered	8	152	467	28	12	329	791	1787
Vehicles Exited	8	147	464	28	12	329	791	1779
Hourly Exit Rate	8	147	464	28	12	329	791	1779
Input Volume	7	150	472	26	13	350	839	1858
% of Volume	114	98	98	107	91	94	94	96
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

7: #3 University Ave/#3 & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.3	0.0	0.2	0.1	0.0	0.1	0.0	0.1
Total Del/Veh (s)	62.5	22.3	49.8	50.9	11.4	44.8	7.8	38.6
Vehicles Entered	323	4	720	1105	221	586	893	3852
Vehicles Exited	326	4	722	1124	224	574	893	3867
Hourly Exit Rate	326	4	722	1124	224	574	893	3867
Input Volume	321	3	720	1343	270	608	877	4142
% of Volume	102	114	100	84	83	94	102	93
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

8: #2 University Ave/#3 University Ave & #1 Woodland Ave/#3 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Del/Veh (s)	0.4	0.2	0.0	0.2	0.2	0.3	4.0	9.6	8.4	0.0	0.0	0.0
Total Del/Veh (s)	48.9	42.5	28.8	70.7	73.1	57.6	117.4	89.9	83.9	35.1	36.1	15.0
Vehicles Entered	528	83	45	12	58	302	15	517	7	5	228	590
Vehicles Exited	530	83	45	12	58	305	14	507	7	6	229	585
Hourly Exit Rate	530	83	45	12	58	305	14	507	7	6	229	585
Input Volume	520	88	45	12	57	300	25	826	13	6	225	577
% of Volume	102	95	99	100	101	102	55	61	54	100	102	101
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	2	0	0	0	0

8: #2 University Ave/#3 University Ave & #1 Woodland Ave/#3 Performance by movement

Movement	SBR	All
Denied Del/Veh (s)	0.0	2.0
Total Del/Veh (s)	6.4	44.2
Vehicles Entered	369	2759
Vehicles Exited	368	2749
Hourly Exit Rate	368	2749
Input Volume	365	3059
% of Volume	101	90
Denied Entry Before	0	0
Denied Entry After	0	2

9: #1 Woodland Ave & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.2	0.2	0.1
Total Del/Veh (s)	19.4	19.1	10.1	3.6	64.5	51.3	24.4
Vehicles Entered	9	432	371	74	221	7	1114
Vehicles Exited	9	428	368	75	223	8	1111
Hourly Exit Rate	9	428	368	75	223	8	1111
Input Volume	8	428	378	76	220	7	1117
% of Volume	109	100	97	99	101	110	99
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

10: #1 Woodland Ave & Manhattan Dr Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.2	0.2	0.1
Total Del/Veh (s)	5.4	9.2	8.7	6.6	5.9	4.6	7.6
Vehicles Entered	1	259	163	210	185	6	824
Vehicles Exited	1	260	164	211	185	7	828
Hourly Exit Rate	1	260	164	211	185	7	828
Input Volume	2	258	166	215	181	6	828
% of Volume	50	101	98	98	102	117	100
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

11: #1/#1 Woodland Ave & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.0	0.0	0.1	0.1	0.1
Total Del/Veh (s)	0.8	1.8	1.9	1.7	6.2	3.4	2.7
Vehicles Entered	1	168	110	61	87	8	435
Vehicles Exited	1	168	111	61	87	8	436
Hourly Exit Rate	1	168	111	61	87	8	436
Input Volume	1	168	114	60	85	8	436
% of Volume	100	100	98	102	102	97	100
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

12: #2 & Crescent Dr Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1		449.2	728.1	0.2	0.1	0.1	188.3
Total Del/Veh (s)	47.2	17.2	22.0		542.0	434.4	1.1	1.1	0.9	223.9
Vehicles Entered	3	9	65	0	428	1	9	650	4	1169
Vehicles Exited	3	9	64	0	429	1	10	653	4	1173
Hourly Exit Rate	3	9	64	0	429	1	10	653	4	1173
Input Volume	4	8	65	1	752	3	10	637	4	1484
% of Volume	80	116	99	0	57	31	98	103	94	79
Denied Entry Before	0	0	0	0	22	0	0	0	0	22
Denied Entry After	0	0	0	0	100	1	0	0	0	101

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	17.1	1.4	3.1	11.0
Vehicles Entered	1041	2	799	1842
Vehicles Exited	1044	2	805	1851
Hourly Exit Rate	1044	2	805	1851
Input Volume	1041	2	878	1921
% of Volume	100	89	92	96
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: #3/#3 University Ave & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by mo

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0	0.0
Total Del/Veh (s)	2.5	9.1	15.6	2.0	6.5
Vehicles Entered	423	1678	201	1038	3340
Vehicles Exited	423	1669	198	1038	3328
Hourly Exit Rate	423	1669	198	1038	3328
Input Volume	423	1860	238	1046	3568
% of Volume	100	90	83	99	93
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

27: #2 Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	347.2	2.3	135.3
Total Del/Veh (s)	641.2	8.1	218.6
Vehicles Entered	505	1080	1585
Vehicles Exited	429	1077	1506
Hourly Exit Rate	429	1077	1506
Input Volume	677	1056	1732
% of Volume	63	102	87
Denied Entry Before	0	1	1
Denied Entry After	173	1	174

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.1	0.1
Total Del/Veh (s)	10.9	10.9
Vehicles Entered	491	491
Vehicles Exited	492	492
Hourly Exit Rate	492	492
Input Volume	495	495
% of Volume	99	99
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	11.6	11.6
Vehicles Entered	856	856
Vehicles Exited	871	871
Hourly Exit Rate	871	871
Input Volume	928	928
% of Volume	94	94
Denied Entry Before	0	0
Denied Entry After	0	0

36: #3/University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.2	0.2	0.3	0.3	0.3	1033.3	1032.2	989.1	0.1	0.1	0.2
Total Del/Veh (s)	36.3	34.6	22.2	50.2	48.7	41.5	563.5	78.8	57.4	78.7	20.0	17.5
Vehicles Entered	4	82	16	107	127	35	87	1151	69	43	735	25
Vehicles Exited	4	83	16	109	128	35	83	1149	68	44	732	25
Hourly Exit Rate	4	83	16	109	128	35	83	1149	68	44	732	25
Input Volume	5	84	16	112	126	34	155	1986	113	44	727	25
% of Volume	80	99	98	97	102	103	53	58	60	99	101	101
Denied Entry Before	0	0	0	0	0	0	16	219	12	0	0	0
Denied Entry After	0	0	0	0	0	0	78	1011	55	0	0	0

36: #3/University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	696.5
Total Del/Veh (s)	74.3
Vehicles Entered	2481
Vehicles Exited	2476
Hourly Exit Rate	2476
Input Volume	3428
% of Volume	72
Denied Entry Before	247
Denied Entry After	1144

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	0.3	0.3	0.3
Total Del/Veh (s)	20.4	16.3	17.3
Vehicles Entered	425	1336	1761
Vehicles Exited	423	1332	1755
Hourly Exit Rate	423	1332	1755
Input Volume	423	1334	1757
% of Volume	100	100	100
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

44: O Connor St & E. Bayshore Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	0.7	0.5	0.6
Vehicles Entered	490	806	1296
Vehicles Exited	490	806	1296
Hourly Exit Rate	490	806	1296
Input Volume	492	854	1346
% of Volume	100	94	96
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

58: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	0.2	0.2
Total Del/Veh (s)	8.4	8.4
Vehicles Entered	492	492
Vehicles Exited	493	493
Hourly Exit Rate	493	493
Input Volume	498	498
% of Volume	99	99
Denied Entry Before	0	0
Denied Entry After	0	0

Total Network Performance

Denied Del/Veh (s)	320.6
Total Del/Veh (s)	195.3
Vehicles Entered	7973
Vehicles Exited	7891
Hourly Exit Rate	7891
Input Volume	54708
% of Volume	14
Denied Entry Before	270
Denied Entry After	1424

Intersection: 1: Donohoe St & Euclid Ave

Movement	EB	EB	WB	WB	SB
Directions Served	LT	T	T	R	LR
Maximum Queue (ft)	178	85	250	248	165
Average Queue (ft)	48	12	134	104	78
95th Queue (ft)	126	50	273	247	138
Link Distance (ft)		2624	194	194	1322
Upstream Blk Time (%)			6	3	
Queuing Penalty (veh)			22	13	
Storage Bay Dist (ft)	250				
Storage Blk Time (%)	0				
Queuing Penalty (veh)	0				

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	WB	SB
Directions Served	LT	R	L	LT	TR	LTR
Maximum Queue (ft)	194	55	262	340	349	30
Average Queue (ft)	93	22	120	201	194	4
95th Queue (ft)	184	51	253	346	359	19
Link Distance (ft)	194	194		331	331	146
Upstream Blk Time (%)	1			0	1	
Queuing Penalty (veh)	2			3	4	
Storage Bay Dist (ft)			250			
Storage Blk Time (%)			0	4		
Queuing Penalty (veh)			1	9		

Intersection: 3: #3 University Ave/#3 & Donohoe Street

Movement	EB	EB	WB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	TR	L	L	T	TR	R	L	L	T	T	R
Maximum Queue (ft)	52	323	194	154	292	296	277	207	199	229	236	95
Average Queue (ft)	11	179	88	54	230	227	146	96	94	146	193	93
95th Queue (ft)	36	311	160	119	318	317	265	180	163	238	272	104
Link Distance (ft)	331	331	256	256	256	256	256	95	95	95	95	
Upstream Blk Time (%)		3	0	0	16	12	1	9	10	17	23	12
Queuing Penalty (veh)		4	0	0	48	37	3	43	45	80	107	0
Storage Bay Dist (ft)												200
Storage Blk Time (%)											23	12
Queuing Penalty (veh)											176	43

Intersection: 3: #3 University Ave/#3 & Donohoe Street

Movement	SB	SB	SB
Directions Served	L	T	TR
Maximum Queue (ft)	243	367	335
Average Queue (ft)	60	205	174
95th Queue (ft)	161	331	294
Link Distance (ft)		982	982
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	235		
Storage Blk Time (%)	0	7	
Queuing Penalty (veh)	0	4	

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe St

Movement	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	T	T	T	T	T	TR	L	L	T	R	L	R
Maximum Queue (ft)	270	268	102	140	206	233	496	629	818	300	39	71
Average Queue (ft)	178	168	36	28	80	107	233	208	291	239	8	26
95th Queue (ft)	275	266	78	90	198	232	473	644	917	358	30	60
Link Distance (ft)	256	256		254	254	254	972	972	972		664	664
Upstream Blk Time (%)	2	1		0	1	5	0	0	7			
Queuing Penalty (veh)	8	6		0	2	12	0	2	31			
Storage Bay Dist (ft)			250							100		
Storage Blk Time (%)				0					0	48		
Queuing Penalty (veh)				0					1	9		

Intersection: 5: Donohoe St & Cooley Ave

Movement	EB	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	UL	T	T	T	TR	L	LT	R	LT	R
Maximum Queue (ft)	271	264	267	207	220	63	74	60	157	103
Average Queue (ft)	220	91	138	87	158	19	41	21	64	44
95th Queue (ft)	297	217	258	196	255	50	77	50	125	87
Link Distance (ft)	254	254	254	203	203	58	58	58	856	856
Upstream Blk Time (%)	9	2	3	1	13	1	10	1		
Queuing Penalty (veh)	43	10	13	2	42	0	0	0		
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 6: E. Bayshore & Donohoe Street

Movement	WB	WB	NB	NB	SB	SB	SB	SB
Directions Served	L	R	T	TR	UL	T	T	T
Maximum Queue (ft)	37	236	242	349	231	72	75	11
Average Queue (ft)	7	70	74	142	196	11	13	1
95th Queue (ft)	25	176	189	291	258	44	49	7
Link Distance (ft)	729	729	480	480	203	203	203	203
Upstream Blk Time (%)				0	21			
Queuing Penalty (veh)				0	63			
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: #3 University Ave/#3 & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	269	303	308	387	399	379	164	293	310	208	269
Average Queue (ft)	201	268	257	358	377	89	60	192	209	85	121
95th Queue (ft)	301	329	336	380	390	260	125	273	286	169	215
Link Distance (ft)	237	237	237	349	349	349				1041	1041
Upstream Blk Time (%)	1	36	33	26	35	2					
Queuing Penalty (veh)	3	127	113	140	188	9					
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0	0	0	0		
Queuing Penalty (veh)						0	0	0	1		

Intersection: 8: #2 University Ave/#3 University Ave & #1 Woodland Ave/#3

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	195	197	170	475	125	141	245	254	235	249	227	223
Average Queue (ft)	163	172	78	201	115	27	198	226	213	128	97	114
95th Queue (ft)	204	196	144	437	148	90	270	259	230	225	177	185
Link Distance (ft)	148	148	148	4715			160	160	188		349	349
Upstream Blk Time (%)	22	34	2			0	38	74	64		0	0
Queuing Penalty (veh)	49	73	4			0	156	304	526		0	0
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				3	44		51			0	0	
Queuing Penalty (veh)				8	30		13			1	0	

Intersection: 8: #2 University Ave/#3 University Ave & #1 Woodland Ave/#3

Movement	SB
Directions Served	R
Maximum Queue (ft)	167
Average Queue (ft)	75
95th Queue (ft)	133
Link Distance (ft)	349
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: #1 Woodland Ave & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	182	211	143	160	100	192	235
Average Queue (ft)	68	99	60	82	27	75	120
95th Queue (ft)	160	199	125	156	84	152	209
Link Distance (ft)	212	212	148	148		1073	1073
Upstream Blk Time (%)	1	2	0	1			
Queuing Penalty (veh)	1	5	0	3			
Storage Bay Dist (ft)					75		
Storage Blk Time (%)				9	0		
Queuing Penalty (veh)				3	0		

Intersection: 10: #1 Woodland Ave & Manhattan Dr

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	128	124	146	114
Average Queue (ft)	61	58	72	43
95th Queue (ft)	105	101	123	83
Link Distance (ft)	184	212	212	1295
Upstream Blk Time (%)	0			
Queuing Penalty (veh)	1			
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: #1/#1 Woodland Ave & Euclid Ave

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	10	68
Average Queue (ft)	1	33
95th Queue (ft)	10	56
Link Distance (ft)	3256	728
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 12: #2 & Crescent Dr

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	45	103	2027	22	176	192	211
Average Queue (ft)	11	41	2018	1	19	76	54
95th Queue (ft)	35	82	2026	14	97	173	170
Link Distance (ft)	1104	1312	2011		188	160	160
Upstream Blk Time (%)			52		0	1	1
Queuing Penalty (veh)			351		1	3	3
Storage Bay Dist (ft)				75			
Storage Blk Time (%)					1		
Queuing Penalty (veh)					0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	NE	NE
Directions Served	R	R	R	R
Maximum Queue (ft)	383	343	2	4
Average Queue (ft)	127	97	0	0
95th Queue (ft)	368	320	3	5
Link Distance (ft)	1279	1279	237	237
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: #3/#3 University Ave & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	134	112	409	468	65	78
Average Queue (ft)	42	8	55	131	3	15
95th Queue (ft)	101	185	234	380	29	49
Link Distance (ft)	293	1354	1041	1041	95	95
Upstream Blk Time (%)					0	0
Queuing Penalty (veh)					0	0
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 27: #2

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	2892	41
Average Queue (ft)	2495	2
95th Queue (ft)	3602	24
Link Distance (ft)	2840	2011
Upstream Blk Time (%)	68	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	126
Average Queue (ft)	112
95th Queue (ft)	142
Link Distance (ft)	106
Upstream Blk Time (%)	14
Queuing Penalty (veh)	66
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	195	224
Average Queue (ft)	104	121
95th Queue (ft)	170	190
Link Distance (ft)	679	679
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: #3/University Avenue

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	142	352	150	892	897	147	272	268
Average Queue (ft)	62	181	149	710	712	51	138	132
95th Queue (ft)	119	298	151	855	860	117	234	227
Link Distance (ft)	815	810		982	982		6488	6488
Upstream Blk Time (%)				0	0			
Queuing Penalty (veh)				0	0			
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)			96	11		0	9	
Queuing Penalty (veh)			957	18		0	4	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	494	470
Average Queue (ft)	90	82
95th Queue (ft)	421	408
Link Distance (ft)	4138	4138
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: O Connor St & E. Bayshore

Movement	NB	NB
Directions Served	T	T
Maximum Queue (ft)	1	2
Average Queue (ft)	0	0
95th Queue (ft)	2	3
Link Distance (ft)	565	565
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 58: US 101 NB On-Ramp

Movement	WB	B26	B26
Directions Served	T	T	
Maximum Queue (ft)	178	151	123
Average Queue (ft)	102	44	24
95th Queue (ft)	210	119	81
Link Distance (ft)	108	141	141
Upstream Blk Time (%)	8	0	0
Queuing Penalty (veh)	41	1	0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 4094

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.8	0.5	9.3	22.0	536.5	584.0	206.8
Total Del/Veh (s)	26.4	21.4	40.7	35.1	203.4	232.8	86.0
Vehicles Entered	24	619	264	66	458	4	1435
Vehicles Exited	24	619	263	66	459	4	1435
Hourly Exit Rate	24	619	263	66	459	4	1435
Input Volume	20	627	422	104	557	5	1735
% of Volume	119	99	62	64	82	76	83
Denied Entry Before	0	0	0	0	31	0	31
Denied Entry After	0	0	1	1	135	1	138

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.3	18.4	9.6	5.6	20.2	18.2	21.2	4.2
Total Del/Veh (s)	3.2	1.2	3.9	226.8	39.6	31.5	1890.3	2174.2	1666.7	55.3
Vehicles Entered	9	584	531	170	321	77	5	5	5	1707
Vehicles Exited	10	584	530	170	323	77	2	2	2	1700
Hourly Exit Rate	10	584	530	170	323	77	2	2	2	1700
Input Volume	9	637	584	267	522	118	6	6	4	2152
% of Volume	108	92	91	64	62	65	35	35	50	79
Denied Entry Before	0	0	0	1	1	0	0	0	0	2
Denied Entry After	0	0	0	1	0	0	0	0	0	1

3: University Avenue & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.2	0.6	0.0	0.0	12.8	6.6	9.2	39.4	34.1	38.1
Total Del/Veh (s)	55.9	49.6	21.4	78.1	165.6	29.0	320.1	22.2	9.1	175.2	144.8	183.9
Vehicles Entered	14	64	481	174	350	382	133	431	248	21	1012	70
Vehicles Exited	14	63	480	175	354	382	128	431	249	21	1002	70
Hourly Exit Rate	14	63	480	175	354	382	128	431	249	21	1002	70
Input Volume	14	74	526	586	573	621	247	700	405	21	1048	72
% of Volume	102	86	91	30	62	61	52	62	62	99	96	97
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	7	1

3: University Avenue & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	13.4
Total Del/Veh (s)	94.5
Vehicles Entered	3380
Vehicles Exited	3369
Hourly Exit Rate	3369
Input Volume	4887
% of Volume	69
Denied Entry Before	0
Denied Entry After	8

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.4	9.0	0.0	23.0	18.2	27.4	0.1	0.1	16.7
Total Del/Veh (s)	23.8	207.3	6.0	238.7	49.7	27.3	38.3	344.5	141.9
Vehicles Entered	344	238	6	650	60	341	2	18	1659
Vehicles Exited	346	239	6	650	60	345	2	16	1664
Hourly Exit Rate	346	239	6	650	60	345	2	16	1664
Input Volume	507	834	23	929	89	478	2	19	2881
% of Volume	68	29	26	70	68	72	100	84	58
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	1	0	3	0	2	0	0	6

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	SBL	SBR	All
Denied Del/Veh (s)	0.3	0.1	10.3	34.9	0.1	0.1	1594.2	1596.6	526.7
Total Del/Veh (s)	49.1	14.6	250.2	85.2	462.2	73.9	1098.0	1504.8	247.7
Vehicles Entered	214	489	176	16	5	3	21	67	991
Vehicles Exited	216	492	175	16	5	3	14	62	983
Hourly Exit Rate	216	492	175	16	5	3	14	62	983
Input Volume	304	679	555	45	5	3	99	297	1987
% of Volume	71	72	32	36	105	109	14	21	49
Denied Entry Before	0	0	0	0	0	0	7	21	28
Denied Entry After	0	0	1	0	0	0	89	266	356

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	145.4	67.9	342.9	324.3	120.6
Total Del/Veh (s)	18.9	2.5	948.5	960.0	1380.9	1874.1	669.1
Vehicles Entered	249	245	130	5	7	182	818
Vehicles Exited	249	245	121	4	3	70	692
Hourly Exit Rate	249	245	121	4	3	70	692
Input Volume	383	380	338	11	13	268	1393
% of Volume	65	65	36	37	23	26	50
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	8	0	4	83	95

7: University Avenue & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	7.5	0.0	5.4	13.0	11.2	0.0	0.0	4.2
Total Del/Veh (s)	176.5	71.0	101.4	151.6	33.8	25.1	13.7	65.4
Vehicles Entered	212	3	336	550	168	715	999	2983
Vehicles Exited	217	3	344	535	170	716	990	2975
Hourly Exit Rate	217	3	344	535	170	716	990	2975
Input Volume	320	9	503	976	287	925	1314	4333
% of Volume	68	33	68	55	59	77	75	69
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	4	1	0	0	5

8: Woodland Avenue & University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	45.4	56.8	17.6	309.9	301.2	283.1	0.0	0.0	0.0	0.0	0.0	0.1
Total Del/Veh (s)	316.6	54.3	46.1	1474.8	1482.3	1552.0	97.0	94.1	72.9	67.4	25.5	10.7
Vehicles Entered	125	34	17	7	196	154	41	508	6	114	747	355
Vehicles Exited	124	36	19	4	117	84	41	494	6	114	743	355
Hourly Exit Rate	124	36	19	4	117	84	41	494	6	114	743	355
Input Volume	409	122	67	10	281	215	50	614	7	156	1010	478
% of Volume	30	30	28	39	42	39	82	80	83	73	74	74
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	2	1	0	3	83	55	0	0	0	0	0	0

8: Woodland Avenue & University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	63.1
Total Del/Veh (s)	337.3
Vehicles Entered	2304
Vehicles Exited	2137
Hourly Exit Rate	2137
Input Volume	3419
% of Volume	62
Denied Entry Before	0
Denied Entry After	144

9: Woodland Avenue & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	16.8	10.0	2.3	1.2	46.2	43.2	10.2
Total Del/Veh (s)	289.6	341.0	8.2	1.9	891.0	858.5	193.7
Vehicles Entered	11	113	320	229	104	12	789
Vehicles Exited	10	108	320	229	63	7	737
Hourly Exit Rate	10	108	320	229	63	7	737
Input Volume	52	481	502	344	110	13	1502
% of Volume	19	22	64	67	57	55	49
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	10	1	11

10: Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	183.8	133.1	0.0	0.0	898.7	960.9	391.7
Total Del/Veh (s)	562.8	586.8	14.4	11.4	1143.8	1204.8	355.3
Vehicles Entered	1	77	188	122	99	5	492
Vehicles Exited	1	64	188	122	62	3	440
Hourly Exit Rate	1	64	188	122	62	3	440
Input Volume	4	282	288	192	259	13	1039
% of Volume	25	23	65	64	24	23	42
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	9	0	0	169	9	187

11: Woodland Avenue & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	9.3	19.4	0.0	0.0	486.4	476.8	161.1
Total Del/Veh (s)	1008.1	1180.6	2.4	2.2	1259.0	1557.8	629.9
Vehicles Entered	3	122	173	34	80	9	421
Vehicles Exited	1	38	173	34	38	3	287
Hourly Exit Rate	1	38	173	34	38	3	287
Input Volume	4	130	265	50	147	14	610
% of Volume	27	29	65	68	26	22	47
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	8	0	0	65	7	80

12: University Avenue & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.2	0.0	1.0	24.3	0.0	0.0	0.5
Total Del/Veh (s)	642.9	185.9	979.0	256.5	316.3	199.3	1.5	1.5	182.2
Vehicles Entered	3	7	66	1	589	4	756	2	1428
Vehicles Exited	2	6	31	1	529	3	754	2	1328
Hourly Exit Rate	2	6	31	1	529	3	754	2	1328
Input Volume	4	8	65	1	605	3	1075	4	1766
% of Volume	50	77	48	100	87	100	70	50	75
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	498.8	0.9	2.0	212.0
Vehicles Entered	603	2	887	1492
Vehicles Exited	543	2	887	1432
Hourly Exit Rate	543	2	887	1432
Input Volume	823	3	1212	2038
% of Volume	66	67	73	70
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by move

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	14.4	6.2	0.0	4.6
Total Del/Veh (s)	9.8	187.6	45.1	1.4	61.8
Vehicles Entered	108	800	74	1660	2642
Vehicles Exited	108	800	76	1658	2642
Hourly Exit Rate	108	800	76	1658	2642
Input Volume	152	1346	124	2162	3785
% of Volume	71	59	61	77	70
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	8	0	0	8

26: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	55.4	55.4
Total Del/Veh (s)	58.3	58.3
Vehicles Entered	709	709
Vehicles Exited	708	708
Hourly Exit Rate	708	708
Input Volume	880	880
% of Volume	80	80
Denied Entry Before	3	3
Denied Entry After	19	19

27: University Avenue Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.5	0.1	0.3
Total Del/Veh (s)	13.9	24.8	20.2
Vehicles Entered	601	775	1376
Vehicles Exited	590	781	1371
Hourly Exit Rate	590	781	1371
Input Volume	606	1097	1703
% of Volume	97	71	80
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	11.8	11.8
Vehicles Entered	686	686
Vehicles Exited	686	686
Hourly Exit Rate	686	686
Input Volume	857	857
% of Volume	80	80
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	8.9	8.8
Vehicles Entered	957	957
Vehicles Exited	952	952
Hourly Exit Rate	952	952
Input Volume	1282	1282
% of Volume	74	74
Denied Entry Before	0	0
Denied Entry After	0	0

36: University Avenue & Bell St Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.2	0.2	2.2	2.1	2.9	0.2	0.0	0.0	0.9	0.2	0.2
Total Del/Veh (s)	70.4	64.7	52.0	74.9	75.2	60.8	78.4	12.3	12.1	124.0	70.1	67.1
Vehicles Entered	10	57	46	35	163	19	12	687	145	34	1014	35
Vehicles Exited	10	58	47	35	165	19	12	690	146	32	986	34
Hourly Exit Rate	10	58	47	35	165	19	12	690	146	32	986	34
Input Volume	10	56	47	38	165	20	23	1086	228	33	1015	36
% of Volume	100	103	99	92	100	95	52	64	64	96	97	94
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

36: University Avenue & Bell St Performance by movement

Movement	All
Denied Del/Veh (s)	0.3
Total Del/Veh (s)	49.7
Vehicles Entered	2257
Vehicles Exited	2234
Hourly Exit Rate	2234
Input Volume	2758
% of Volume	81
Denied Entry Before	0
Denied Entry After	0

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	515.2	506.1	507.0
Total Del/Veh (s)	247.1	267.4	265.3
Vehicles Entered	111	1076	1187
Vehicles Exited	108	1035	1143
Hourly Exit Rate	108	1035	1143
Input Volume	152	1471	1623
% of Volume	71	70	70
Denied Entry Before	1	14	15
Denied Entry After	44	403	447

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	908.6	0.5	387.9
Vehicles Entered	168	250	418
Vehicles Exited	132	250	382
Hourly Exit Rate	132	250	382
Input Volume	338	395	734
% of Volume	39	63	52
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Denied Del/Veh (s)	310.7
Total Del/Veh (s)	660.3
Vehicles Entered	7110
Vehicles Exited	5957
Hourly Exit Rate	5957
Input Volume	56262
% of Volume	11
Denied Entry Before	79
Denied Entry After	1587

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	203	229	219	743
Average Queue (ft)	106	100	156	714
95th Queue (ft)	180	195	271	731
Link Distance (ft)		2273	202	694
Upstream Blk Time (%)			13	100
Queuing Penalty (veh)			65	0
Storage Bay Dist (ft)	250			
Storage Blk Time (%)	1	1		
Queuing Penalty (veh)	2	3		

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	SB
Directions Served	LT	R	L	TR	LTR
Maximum Queue (ft)	92	167	352	361	330
Average Queue (ft)	22	57	312	310	221
95th Queue (ft)	62	133	388	414	465
Link Distance (ft)	202	202	316	316	453
Upstream Blk Time (%)		0	39	37	7
Queuing Penalty (veh)		2	176	164	0
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 3: University Avenue & Donohoe Street

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	T	R	L	LT	TR	R	L	L	T	T	R
Maximum Queue (ft)	46	101	314	249	306	300	298	108	235	126	243	87
Average Queue (ft)	10	36	175	147	283	257	139	69	220	54	127	48
95th Queue (ft)	34	83	287	340	303	317	287	118	274	143	286	109
Link Distance (ft)		316	316		249	249	249	87	87	87	87	
Upstream Blk Time (%)			0	5	66	47	1	26	92	1	17	1
Queuing Penalty (veh)			1	0	390	282	7	87	304	4	56	0
Storage Bay Dist (ft)	200			200								100
Storage Blk Time (%)				13	75						17	1
Queuing Penalty (veh)				74	220						68	5

Intersection: 3: University Avenue & Donohoe Street

Movement	SB	SB	SB	SB
Directions Served	L	T	T	R
Maximum Queue (ft)	259	986	974	125
Average Queue (ft)	70	777	754	65
95th Queue (ft)	238	1181	1192	153
Link Distance (ft)		988	988	
Upstream Blk Time (%)		11	11	
Queuing Penalty (veh)		60	59	
Storage Bay Dist (ft)	235			100
Storage Blk Time (%)	0	63	50	13
Queuing Penalty (veh)	0	13	36	66

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	B58	B58	SB
Directions Served	T	T	T	T	TR	L	L	T	R	T	T	L
Maximum Queue (ft)	218	121	304	262	115	775	766	706	373	210	211	27
Average Queue (ft)	90	30	280	129	10	660	685	108	146	79	114	2
95th Queue (ft)	200	86	298	279	62	904	860	477	314	219	265	14
Link Distance (ft)	249	249	258	258	258	686	686	686		186	186	525
Upstream Blk Time (%)	1		89	7	0	40	49			10	23	
Queuing Penalty (veh)	3		252	22	0	194	239			73	172	
Storage Bay Dist (ft)									500			
Storage Blk Time (%)									0			
Queuing Penalty (veh)									0			

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	132
Average Queue (ft)	49
95th Queue (ft)	144
Link Distance (ft)	525
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	LT	LT	R
Maximum Queue (ft)	150	285	172	116	244	240	55	40	965	973
Average Queue (ft)	125	173	61	17	210	179	13	5	918	945
95th Queue (ft)	179	320	130	64	240	301	55	23	1145	980
Link Distance (ft)		258	258	258	185	185	497	497	939	939
Upstream Blk Time (%)		7			88	61			93	93
Queuing Penalty (veh)		21			262	180			0	0
Storage Bay Dist (ft)	100									
Storage Blk Time (%)	28	7								
Queuing Penalty (veh)	62	21								

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	207	47	51	5	568	573	2177	2223
Average Queue (ft)	139	4	4	0	535	535	1525	1846
95th Queue (ft)	227	25	28	4	674	677	2791	2710
Link Distance (ft)	185	185	185	185	489	489	2208	2208
Upstream Blk Time (%)	4				95	94	36	46
Queuing Penalty (veh)	8				160	159	0	0
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: University Avenue & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	262	318	308	373	385	317	161	270	319	415	432
Average Queue (ft)	202	287	243	344	348	79	56	131	163	111	145
95th Queue (ft)	321	316	376	409	401	235	129	228	293	439	434
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	3	83	42	54	58	3				0	0
Queuing Penalty (veh)	10	227	114	225	242	12				5	1
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0		0	1	2	
Queuing Penalty (veh)						0		3	4	19	

Intersection: 8: Woodland Avenue & University Avenue

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	170	172	132	5688	125	150	279	275	205	238	278	293
Average Queue (ft)	147	153	33	4499	116	61	215	232	133	103	160	175
95th Queue (ft)	188	175	128	6862	151	158	305	302	252	206	285	292
Link Distance (ft)	153	153	153	5700			197	197	143		349	349
Upstream Blk Time (%)	73	83	5	45			37	51	47		2	2
Queuing Penalty (veh)	143	164	10	0			125	172	314		10	11
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				33	69	2	57			0	4	
Queuing Penalty (veh)				71	200	6	29			1	6	

Intersection: 8: Woodland Avenue & University Avenue

Movement	SB
Directions Served	R
Maximum Queue (ft)	212
Average Queue (ft)	77
95th Queue (ft)	194
Link Distance (ft)	349
Upstream Blk Time (%)	2
Queuing Penalty (veh)	11
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: Woodland Avenue & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	183	214	118	123	93	812	871
Average Queue (ft)	127	196	38	44	22	309	469
95th Queue (ft)	250	262	100	105	64	834	1078
Link Distance (ft)	207	207	153	153		1048	1048
Upstream Blk Time (%)	28	78	2	2		5	12
Queuing Penalty (veh)	73	210	9	10		0	0
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				2	0		
Queuing Penalty (veh)				4	0		

Intersection: 10: Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	378	122	115	1014
Average Queue (ft)	319	58	47	795
95th Queue (ft)	502	125	98	1409
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)	74	3	1	66
Queuing Penalty (veh)	204	8	3	0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: Woodland Avenue & Euclid Avenue

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	1966	1112
Average Queue (ft)	955	738
95th Queue (ft)	2325	1570
Link Distance (ft)	2311	1194
Upstream Blk Time (%)	6	43
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 12: University Avenue & Crescent Drive

Movement	EB	WB	NB	SB	B13	B13
Directions Served	LTR	LTR	LTR	TR	T	
Maximum Queue (ft)	82	888	3158	171	241	245
Average Queue (ft)	24	426	1516	16	160	143
95th Queue (ft)	73	1075	3893	97	264	282
Link Distance (ft)	1080	2562	4340	143	197	197
Upstream Blk Time (%)			3	1	3	4
Queuing Penalty (veh)			16	8	18	20
Storage Bay Dist (ft)						
Storage Blk Time (%)				1		
Queuing Penalty (veh)				0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	B17	NE	NE
Directions Served	R	R	T	R	R
Maximum Queue (ft)	1364	1378	4129	2	4
Average Queue (ft)	1163	1161	2446	0	0
95th Queue (ft)	1780	1785	5462	3	4
Link Distance (ft)	1279	1279	4248	237	237
Upstream Blk Time (%)	54	52	38		
Queuing Penalty (veh)	0	0	0		
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	NB	NB	SB	SB
Directions Served	R	T	TR	T	T
Maximum Queue (ft)	143	1054	1076	84	78
Average Queue (ft)	36	928	655	12	11
95th Queue (ft)	102	1339	1371	50	48
Link Distance (ft)	288	1034	1034	87	87
Upstream Blk Time (%)		30	5	0	0
Queuing Penalty (veh)		218	37	2	1
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 26: US 101 NB On-Ramp

Movement	WB
Directions Served	T
Maximum Queue (ft)	413
Average Queue (ft)	386
95th Queue (ft)	433
Link Distance (ft)	375
Upstream Blk Time (%)	28
Queuing Penalty (veh)	238
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: University Avenue

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	323	73
Average Queue (ft)	50	6
95th Queue (ft)	492	36
Link Distance (ft)	2327	4340
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	111
Average Queue (ft)	81
95th Queue (ft)	95
Link Distance (ft)	18
Upstream Blk Time (%)	61
Queuing Penalty (veh)	526
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	191	212
Average Queue (ft)	77	89
95th Queue (ft)	143	159
Link Distance (ft)	667	667
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: University Avenue & Bell St

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	228	389	88	271	299	144	799	786
Average Queue (ft)	94	202	15	111	135	50	388	378
95th Queue (ft)	196	370	56	246	275	129	1184	1166
Link Distance (ft)	506	528		988	988		2506	2506
Upstream Blk Time (%)		2						
Queuing Penalty (veh)		0						
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)				6		0	31	
Queuing Penalty (veh)				1		1	10	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	1502	1499
Average Queue (ft)	1329	1344
95th Queue (ft)	1963	1932
Link Distance (ft)	1451	1451
Upstream Blk Time (%)	53	83
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	NB	NB	B42	B42
Directions Served	T	T	T	T
Maximum Queue (ft)	646	640	1926	1893
Average Queue (ft)	555	548	952	941
95th Queue (ft)	836	828	2283	2254
Link Distance (ft)	560	560	2483	2483
Upstream Blk Time (%)	80	79	5	4
Queuing Penalty (veh)	0	0	0	0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Network Summary

Network wide Queuing Penalty: 7730

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	16.3	14.4	3.8	4.5	843.5	851.9	371.1
Total Del/Veh (s)	62.8	54.1	36.9	30.8	203.6	203.2	101.1
Vehicles Entered	19	619	240	55	453	6	1392
Vehicles Exited	19	621	242	55	453	7	1397
Hourly Exit Rate	19	621	242	55	453	7	1397
Input Volume	19	627	421	84	631	9	1791
% of Volume	99	99	57	65	72	80	78
Denied Entry Before	0	2	0	0	71	1	74
Denied Entry After	0	0	0	0	248	4	252

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.3	0.2	10.6	8.0	5.1	110.8	28.2	60.6	3.5
Total Del/Veh (s)	6.7	2.8	3.7	239.3	38.5	35.9	1827.9	2171.6	2010.7	59.6
Vehicles Entered	7	587	526	168	284	67	6	6	4	1655
Vehicles Exited	7	587	527	166	286	67	2	1	1	1644
Hourly Exit Rate	7	587	527	166	286	67	2	1	1	1644
Input Volume	9	693	605	267	502	118	6	6	4	2209
% of Volume	76	85	87	62	57	57	35	17	25	74
Denied Entry Before	0	0	0	1	1	0	0	0	0	2
Denied Entry After	0	1	0	0	1	0	1	0	0	3

3: University Avenue & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.4	0.3	0.1	0.1	5.8	1.6	1.7	14.5	30.9	35.9
Total Del/Veh (s)	64.1	93.5	24.0	82.5	183.9	27.7	361.2	27.1	17.4	288.4	137.7	169.8
Vehicles Entered	24	67	475	169	330	364	114	407	244	21	1014	71
Vehicles Exited	24	67	470	169	329	366	107	404	245	21	994	69
Hourly Exit Rate	24	67	470	169	329	366	107	404	245	21	994	69
Input Volume	28	81	559	586	564	621	236	700	405	21	1048	72
% of Volume	86	82	84	29	58	59	45	58	61	99	95	96
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	7	1

3: University Avenue & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	11.0
Total Del/Veh (s)	97.6
Vehicles Entered	3300
Vehicles Exited	3265
Hourly Exit Rate	3265
Input Volume	4922
% of Volume	66
Denied Entry Before	0
Denied Entry After	8

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	7.5	8.7	8.5	32.3	20.0	34.3	0.1	0.1	23.0
Total Del/Veh (s)	38.0	219.3	6.0	262.2	57.1	56.5	59.3	338.3	161.9
Vehicles Entered	343	233	7	621	59	316	2	22	1603
Vehicles Exited	345	231	7	609	59	318	2	20	1591
Hourly Exit Rate	345	231	7	609	59	318	2	20	1591
Input Volume	514	832	23	922	89	478	2	19	2878
% of Volume	67	28	31	66	66	67	100	105	55
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	1	0	6	0	3	0	0	10

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	SBL	SBR	All
Denied Del/Veh (s)	0.5	0.1	17.2	4.0	0.1	0.1	1570.2	1539.9	512.1
Total Del/Veh (s)	54.8	18.1	259.7	83.9	384.8	57.8	971.1	1548.6	258.5
Vehicles Entered	208	466	171	16	4	3	25	64	957
Vehicles Exited	209	470	171	16	4	4	14	61	949
Hourly Exit Rate	209	470	171	16	4	4	14	61	949
Input Volume	304	685	553	45	5	3	99	297	1991
% of Volume	69	69	31	36	84	145	14	21	48
Denied Entry Before	0	0	0	0	0	0	7	20	27
Denied Entry After	0	0	2	0	0	0	88	250	340

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.0	153.2	211.5	245.5	294.4	118.3
Total Del/Veh (s)	23.4	2.7	963.2	685.9	1311.4	1728.4	657.8
Vehicles Entered	233	238	130	4	9	193	807
Vehicles Exited	233	238	109	4	4	77	665
Hourly Exit Rate	233	238	109	4	4	77	665
Input Volume	385	384	338	11	13	267	1397
% of Volume	61	62	32	37	30	29	48
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	9	0	3	85	97

7: University Avenue & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	9.7	0.0	6.1	25.8	21.0	0.0	0.0	7.1
Total Del/Veh (s)	186.4	46.7	120.3	171.9	36.2	25.6	19.4	72.9
Vehicles Entered	200	3	319	510	146	698	980	2856
Vehicles Exited	206	3	328	496	147	702	963	2845
Hourly Exit Rate	206	3	328	496	147	702	963	2845
Input Volume	320	9	496	972	287	946	1326	4355
% of Volume	64	33	66	51	51	74	73	65
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	9	3	0	0	12

8: Woodland Avenue & University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	56.2	31.5	65.9	209.4	303.1	290.8	0.0	0.0	0.0	0.0	0.2	0.2
Total Del/Veh (s)	337.8	47.0	39.1	1673.7	1560.7	1622.3	111.8	103.4	67.4	66.4	27.6	15.0
Vehicles Entered	116	34	17	8	184	145	37	467	7	113	734	332
Vehicles Exited	115	37	18	3	97	75	36	454	7	115	733	329
Hourly Exit Rate	115	37	18	3	97	75	36	454	7	115	733	329
Input Volume	409	122	67	10	281	215	50	610	7	156	1022	478
% of Volume	28	30	27	29	34	35	72	74	97	74	72	69
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	3	0	0	3	93	71	0	0	0	0	0	0

8: Woodland Avenue & University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	66.9
Total Del/Veh (s)	352.9
Vehicles Entered	2194
Vehicles Exited	2019
Hourly Exit Rate	2019
Input Volume	3427
% of Volume	59
Denied Entry Before	0
Denied Entry After	170

9: Woodland Avenue & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	3.1	1.4	1.2	34.5	38.5	7.1
Total Del/Veh (s)	358.8	348.8	10.8	2.4	824.7	908.1	198.3
Vehicles Entered	11	110	297	202	102	13	735
Vehicles Exited	10	104	296	202	59	6	677
Hourly Exit Rate	10	104	296	202	59	6	677
Input Volume	52	481	502	344	110	13	1502
% of Volume	19	22	59	59	54	47	45
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	7	1	8

10: Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	15.3	123.0	0.0	0.0	838.0	881.6	365.4
Total Del/Veh (s)	869.8	581.4	21.3	23.2	1164.5	1034.6	374.9
Vehicles Entered	1	78	175	116	96	5	471
Vehicles Exited	1	65	174	115	57	3	415
Hourly Exit Rate	1	65	174	115	57	3	415
Input Volume	4	282	288	192	259	13	1039
% of Volume	25	23	60	60	22	23	40
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	7	0	0	158	9	174

11: Woodland Avenue & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	16.6	21.7	0.0	0.0	441.8	483.5	155.8
Total Del/Veh (s)	1142.9	1126.3	2.4	2.2	1282.7	1121.8	632.4
Vehicles Entered	3	118	160	32	83	8	404
Vehicles Exited	1	41	160	32	36	4	274
Hourly Exit Rate	1	41	160	32	36	4	274
Input Volume	4	130	265	50	147	14	610
% of Volume	27	32	60	64	25	29	45
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	8	0	0	65	7	80

12: University Avenue & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	2.3	0.0	0.0	0.0	1.0
Total Del/Veh (s)	640.0	272.7	749.2	345.9	300.2	241.4	1.3	1.1	165.2
Vehicles Entered	4	8	65	1	585	3	749	2	1417
Vehicles Exited	2	7	34	1	481	3	749	3	1280
Hourly Exit Rate	2	7	34	1	481	3	749	3	1280
Input Volume	4	8	65	1	601	3	1088	4	1774
% of Volume	50	90	52	100	80	100	69	75	72
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	515.8	1.6	2.0	219.3
Vehicles Entered	584	1	851	1436
Vehicles Exited	513	1	850	1364
Hourly Exit Rate	513	1	850	1364
Input Volume	816	3	1233	2052
% of Volume	63	33	69	66
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by move

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	9.6	8.8	0.2	3.2
Total Del/Veh (s)	14.0	232.3	99.4	1.7	75.5
Vehicles Entered	97	750	70	1641	2558
Vehicles Exited	96	753	73	1639	2561
Hourly Exit Rate	96	753	73	1639	2561
Input Volume	152	1335	124	2197	3808
% of Volume	63	56	59	75	67
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	4	0	1	5

26: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	61.0	61.0
Total Del/Veh (s)	58.1	58.1
Vehicles Entered	702	702
Vehicles Exited	703	703
Hourly Exit Rate	703	703
Input Volume	902	902
% of Volume	78	78
Denied Entry Before	4	4
Denied Entry After	19	19

27: University Avenue Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	8.5	0.1	3.8
Total Del/Veh (s)	23.0	24.6	23.9
Vehicles Entered	595	769	1364
Vehicles Exited	586	791	1377
Hourly Exit Rate	586	791	1377
Input Volume	602	1110	1712
% of Volume	97	71	80
Denied Entry Before	0	0	0
Denied Entry After	3	0	3

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	11.9	11.9
Vehicles Entered	678	678
Vehicles Exited	679	679
Hourly Exit Rate	679	679
Input Volume	878	878
% of Volume	77	77
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	8.9	8.9
Vehicles Entered	922	922
Vehicles Exited	917	917
Hourly Exit Rate	917	917
Input Volume	1304	1304
% of Volume	70	70
Denied Entry Before	0	0
Denied Entry After	0	0

36: University Avenue & Bell St Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.2	0.2	1.7	2.6	3.1	0.1	0.0	0.0	1.0	0.2	0.2
Total Del/Veh (s)	67.6	59.7	44.7	87.4	82.0	68.7	75.1	12.5	12.1	129.3	58.5	48.9
Vehicles Entered	9	55	46	39	169	21	14	660	137	34	1009	36
Vehicles Exited	9	55	45	39	167	21	14	664	138	34	985	36
Hourly Exit Rate	9	55	45	39	167	21	14	664	138	34	985	36
Input Volume	10	56	47	38	165	20	23	1101	228	33	1015	36
% of Volume	90	98	95	102	101	105	61	60	61	102	97	99
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

36: University Avenue & Bell St Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	45.3
Vehicles Entered	2229
Vehicles Exited	2207
Hourly Exit Rate	2207
Input Volume	2773
% of Volume	80
Denied Entry Before	0
Denied Entry After	0

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	541.4	536.3	536.7
Total Del/Veh (s)	255.5	275.7	273.9
Vehicles Entered	103	1030	1133
Vehicles Exited	96	981	1077
Hourly Exit Rate	96	981	1077
Input Volume	152	1464	1616
% of Volume	63	67	67
Denied Entry Before	2	18	20
Denied Entry After	49	477	526

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	781.5	0.6	337.9
Vehicles Entered	176	245	421
Vehicles Exited	133	245	378
Hourly Exit Rate	133	245	378
Input Volume	337	399	736
% of Volume	39	61	51
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Denied Del/Veh (s)	333.9
Total Del/Veh (s)	652.0
Vehicles Entered	7042
Vehicles Exited	5784
Hourly Exit Rate	5784
Input Volume	56629
% of Volume	10
Denied Entry Before	127
Denied Entry After	1789

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	234	539	218	745
Average Queue (ft)	122	254	143	715
95th Queue (ft)	228	1110	259	734
Link Distance (ft)		2273	202	694
Upstream Blk Time (%)		5	9	100
Queuing Penalty (veh)		0	42	0
Storage Bay Dist (ft)	250			
Storage Blk Time (%)	4	8		
Queuing Penalty (veh)	14	25		

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	SB
Directions Served	LT	R	L	TR	LTR
Maximum Queue (ft)	120	177	349	366	377
Average Queue (ft)	28	58	313	306	243
95th Queue (ft)	101	130	393	433	479
Link Distance (ft)	202	202	316	316	453
Upstream Blk Time (%)	2	0	44	41	14
Queuing Penalty (veh)	14	0	192	177	0
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 3: University Avenue & Donohoe Street

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	T	R	L	LT	TR	R	L	L	T	T	R
Maximum Queue (ft)	96	154	312	249	311	303	282	101	235	203	246	87
Average Queue (ft)	22	59	179	145	284	259	126	57	213	66	133	49
95th Queue (ft)	83	171	299	339	303	323	268	114	281	184	298	111
Link Distance (ft)		316	316		249	249	249	87	87	87	87	
Upstream Blk Time (%)		2	2	4	67	51	1	13	90	2	22	5
Queuing Penalty (veh)		7	6	0	393	300	6	43	296	6	73	0
Storage Bay Dist (ft)	200			200								100
Storage Blk Time (%)		5		13	77						22	5
Queuing Penalty (veh)		1		76	225						90	17

Intersection: 3: University Avenue & Donohoe Street

Movement	SB	SB	SB	SB
Directions Served	L	T	T	R
Maximum Queue (ft)	259	990	988	125
Average Queue (ft)	72	739	715	65
95th Queue (ft)	230	1192	1201	151
Link Distance (ft)		988	988	
Upstream Blk Time (%)		12	11	
Queuing Penalty (veh)		66	62	
Storage Bay Dist (ft)	235			100
Storage Blk Time (%)	2	60	49	12
Queuing Penalty (veh)	9	13	35	60

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	B58	B58	SB
Directions Served	T	T	T	T	TR	L	L	T	R	T	T	L
Maximum Queue (ft)	242	137	306	256	90	772	770	715	464	208	212	24
Average Queue (ft)	116	33	281	134	7	674	695	153	197	87	133	2
95th Queue (ft)	262	94	300	285	43	917	878	583	487	221	269	14
Link Distance (ft)	249	249	258	258	258	686	686	686		186	186	525
Upstream Blk Time (%)	10		89	6		46	54	2		8	27	
Queuing Penalty (veh)	26		252	17		225	264	8		56	196	
Storage Bay Dist (ft)									500			
Storage Blk Time (%)								1	6			
Queuing Penalty (veh)								3	4			

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	176
Average Queue (ft)	61
95th Queue (ft)	161
Link Distance (ft)	525
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	LT	LT	R
Maximum Queue (ft)	150	283	174	102	238	244	39	35	956	970
Average Queue (ft)	122	182	62	18	208	186	9	5	884	944
95th Queue (ft)	191	338	137	67	240	304	33	23	1250	989
Link Distance (ft)		258	258	258	185	185	497	497	939	939
Upstream Blk Time (%)		14	0		84	63			85	98
Queuing Penalty (veh)		46	0		249	188			0	0
Storage Bay Dist (ft)	100									
Storage Blk Time (%)	29	10								
Queuing Penalty (veh)	65	30								

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	208	49	55	6	566	570	2131	2209
Average Queue (ft)	134	5	5	0	503	499	1441	1727
95th Queue (ft)	228	27	30	5	717	727	2828	2855
Link Distance (ft)	185	185	185	185	489	489	2208	2208
Upstream Blk Time (%)	7				85	83	38	43
Queuing Penalty (veh)	14				143	140	0	0
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: University Avenue & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	269	316	309	368	384	302	186	250	308	473	499
Average Queue (ft)	202	288	252	346	351	75	55	125	158	131	165
95th Queue (ft)	325	310	373	411	412	234	144	216	285	533	554
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	6	87	49	59	62	3				2	2
Queuing Penalty (veh)	16	237	134	243	255	14				20	23
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0	0	0	0	3	
Queuing Penalty (veh)						0	0	0	0	33	

Intersection: 8: Woodland Avenue & University Avenue

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	168	173	134	5730	125	149	278	274	204	236	319	320
Average Queue (ft)	145	152	29	4394	114	58	218	229	132	104	161	175
95th Queue (ft)	189	182	114	6823	157	154	307	307	248	202	308	312
Link Distance (ft)	153	153	153	5700			197	197	143		349	349
Upstream Blk Time (%)	73	83	3	42			40	51	49		2	2
Queuing Penalty (veh)	144	164	5	0			133	169	326		13	12
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				32	69	2	57			0	5	
Queuing Penalty (veh)				69	201	7	29			1	8	

Intersection: 8: Woodland Avenue & University Avenue

Movement	SB
Directions Served	R
Maximum Queue (ft)	204
Average Queue (ft)	80
95th Queue (ft)	211
Link Distance (ft)	349
Upstream Blk Time (%)	5
Queuing Penalty (veh)	26
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: Woodland Avenue & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	182	214	104	117	89	657	766
Average Queue (ft)	114	191	33	45	19	270	405
95th Queue (ft)	229	266	91	109	61	729	972
Link Distance (ft)	207	207	153	153		1048	1048
Upstream Blk Time (%)	15	80	0	5		0	8
Queuing Penalty (veh)	40	213	2	22		0	0
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				3	0		
Queuing Penalty (veh)				6	0		

Intersection: 10: Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	380	135	117	1053
Average Queue (ft)	317	61	53	787
95th Queue (ft)	513	140	129	1417
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)	75	6	5	63
Queuing Penalty (veh)	208	14	11	0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: Woodland Avenue & Euclid Avenue

Movement	EB	WB	SB
Directions Served	LT	TR	LR
Maximum Queue (ft)	1828	2	1196
Average Queue (ft)	880	0	754
95th Queue (ft)	2232	2	1568
Link Distance (ft)	2311	376	1194
Upstream Blk Time (%)	8		43
Queuing Penalty (veh)	0		0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: University Avenue & Crescent Drive

Movement	EB	WB	NB	SB	B13	B13
Directions Served	LTR	LTR	LTR	TR	T	
Maximum Queue (ft)	96	779	3145	182	236	241
Average Queue (ft)	36	328	1356	15	159	139
95th Queue (ft)	130	911	3829	91	268	281
Link Distance (ft)	1080	2562	4340	143	197	197
Upstream Blk Time (%)			3	0	4	4
Queuing Penalty (veh)			20	4	21	22
Storage Bay Dist (ft)						
Storage Blk Time (%)				0		
Queuing Penalty (veh)				0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	B17	NE
Directions Served	R	R	T	R
Maximum Queue (ft)	1363	1362	4113	1
Average Queue (ft)	1152	1153	1704	0
95th Queue (ft)	1670	1677	4529	2
Link Distance (ft)	1279	1279	4248	237
Upstream Blk Time (%)	47	48	18	
Queuing Penalty (veh)	0	0	0	
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	134	2	1052	1070	80	77
Average Queue (ft)	35	0	926	771	14	11
95th Queue (ft)	108	4	1378	1449	58	52
Link Distance (ft)	288	1309	1034	1034	87	87
Upstream Blk Time (%)	1		35	18	1	1
Queuing Penalty (veh)	1		255	129	13	11
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 26: US 101 NB On-Ramp

Movement	WB
Directions Served	T
Maximum Queue (ft)	412
Average Queue (ft)	382
95th Queue (ft)	446
Link Distance (ft)	375
Upstream Blk Time (%)	28
Queuing Penalty (veh)	245
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: University Avenue

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	320	84
Average Queue (ft)	88	8
95th Queue (ft)	751	44
Link Distance (ft)	2327	4340
Upstream Blk Time (%)	2	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	112
Average Queue (ft)	81
95th Queue (ft)	96
Link Distance (ft)	18
Upstream Blk Time (%)	62
Queuing Penalty (veh)	542
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	182	185
Average Queue (ft)	74	89
95th Queue (ft)	141	154
Link Distance (ft)	667	667
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: University Avenue & Bell St

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	205	416	107	283	305	142	701	702
Average Queue (ft)	85	216	17	109	133	57	341	333
95th Queue (ft)	161	404	64	242	276	142	892	882
Link Distance (ft)	506	528		988	988		2506	2506
Upstream Blk Time (%)		4						
Queuing Penalty (veh)		0						
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)			0	6		0	33	
Queuing Penalty (veh)			0	1		1	11	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	1499	1502
Average Queue (ft)	1270	1286
95th Queue (ft)	2026	2001
Link Distance (ft)	1451	1451
Upstream Blk Time (%)	53	80
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	NB	NB	B42	B42	SB
Directions Served	T	T	T	T	T
Maximum Queue (ft)	644	639	1819	1800	3
Average Queue (ft)	475	469	790	780	0
95th Queue (ft)	881	876	2144	2120	4
Link Distance (ft)	560	560	2483	2483	489
Upstream Blk Time (%)	68	68	5	4	
Queuing Penalty (veh)	0	0	0	0	
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Network Summary

Network wide Queuing Penalty: 8249

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	402.8	442.4	0.0	0.0	23.5	24.7	175.8
Total Del/Veh (s)	594.4	574.8	5.2	2.8	429.9	466.6	364.3
Vehicles Entered	16	468	374	76	606	10	1550
Vehicles Exited	16	440	373	76	530	9	1444
Hourly Exit Rate	16	440	373	76	530	9	1444
Input Volume	19	627	421	84	631	9	1791
% of Volume	83	70	89	90	84	103	81
Denied Entry Before	0	6	0	0	0	0	6
Denied Entry After	5	170	0	0	13	0	188

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	7.2	12.2	16.6	0.4	0.4	0.7	0.1	0.1	0.2	8.1
Total Del/Veh (s)	15.9	21.8	39.0	79.3	65.3	49.4	46.8	80.6	21.4	46.7
Vehicles Entered	7	534	473	251	446	106	5	7	4	1833
Vehicles Exited	7	535	472	250	447	106	5	7	4	1833
Hourly Exit Rate	7	535	472	250	447	106	5	7	4	1833
Input Volume	9	693	605	267	502	118	6	6	4	2209
% of Volume	76	77	78	94	89	90	87	122	100	83
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	4	4	0	0	0	0	0	0	8

3: #3 & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	1.8	3.1	2.7	0.9	0.2	0.1	13.7	10.1	6.8	58.1	30.9	20.0
Total Del/Veh (s)	59.4	51.6	53.3	144.0	41.5	23.8	291.3	35.9	15.6	203.6	166.8	141.6
Vehicles Entered	23	62	430	465	539	593	183	595	348	20	1003	69
Vehicles Exited	22	63	431	464	540	594	181	595	348	20	994	68
Hourly Exit Rate	22	63	431	464	540	594	181	595	348	20	994	68
Input Volume	28	81	559	586	564	621	236	700	405	21	1048	72
% of Volume	79	78	77	79	96	96	77	85	86	94	95	94
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	1	2	1	0	6	0

3: #3 & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	10.7
Total Del/Veh (s)	91.8
Vehicles Entered	4330
Vehicles Exited	4320
Hourly Exit Rate	4320
Input Volume	4922
% of Volume	88
Denied Entry Before	0
Denied Entry After	10

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	1.2	0.6	0.0	3.0	2.6	2.2	0.1	0.1	1.9
Total Del/Veh (s)	25.5	91.9	14.0	100.4	32.0	29.0	125.5	120.8	70.3
Vehicles Entered	442	685	20	908	93	473	1	21	2643
Vehicles Exited	441	683	20	895	91	472	1	20	2623
Hourly Exit Rate	441	683	20	895	91	472	1	20	2623
Input Volume	514	832	23	922	89	478	2	19	2878
% of Volume	86	82	88	97	103	99	50	105	91
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	SBL	SBR	All
Denied Del/Veh (s)	0.2	0.2	1.1	0.2	0.1	0.1	1.6	1.4	0.7
Total Del/Veh (s)	49.6	22.6	101.3	29.7	71.9	74.5	61.1	59.4	53.8
Vehicles Entered	279	640	403	35	5	4	98	302	1766
Vehicles Exited	280	639	401	35	5	4	97	299	1760
Hourly Exit Rate	280	639	401	35	5	4	97	299	1760
Input Volume	304	685	553	45	5	3	99	297	1991
% of Volume	92	93	72	78	105	145	98	101	88
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	1	1

6: E Bayshore Rd & Donohoe Street Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.1	72.2	52.0	0.2	0.0	14.1
Total Del/Veh (s)	141.6	345.3	504.2	328.2	47.0	16.5	193.3
Vehicles Entered	14	272	228	8	365	355	1242
Vehicles Exited	13	240	200	7	365	355	1180
Hourly Exit Rate	13	240	200	7	365	355	1180
Input Volume	13	267	338	11	385	384	1397
% of Volume	98	90	59	65	95	92	84
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	8	0	0	0	8

7: #3 & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	3.2	0.0	6.6	1.5	0.1	0.0	0.0	1.3
Total Del/Veh (s)	98.6	22.6	67.9	70.6	14.7	81.2	82.1	74.5
Vehicles Entered	284	7	442	838	245	815	1160	3791
Vehicles Exited	283	7	439	833	247	799	1138	3746
Hourly Exit Rate	283	7	439	833	247	799	1138	3746
Input Volume	320	9	496	972	287	946	1326	4355
% of Volume	89	78	89	86	86	84	86	86
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	1	0	0	0	1

8: #2 & #1 & #3 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.6	0.4	0.4	0.5	0.4	0.3	0.0	0.0	0.0	0.1	0.6	0.2
Total Del/Veh (s)	75.7	68.6	66.7	399.1	392.9	377.0	64.7	68.2	60.9	82.5	77.0	17.7
Vehicles Entered	402	113	65	11	284	225	40	474	6	128	883	421
Vehicles Exited	402	113	65	10	248	195	39	466	6	131	891	422
Hourly Exit Rate	402	113	65	10	248	195	39	466	6	131	891	422
Input Volume	409	122	67	10	281	215	50	610	7	156	1022	478
% of Volume	98	93	97	98	88	91	78	76	83	84	87	88
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

8: #2 & #1 & #3 Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	123.2
Vehicles Entered	3052
Vehicles Exited	2988
Hourly Exit Rate	2988
Input Volume	3427
% of Volume	87
Denied Entry Before	0
Denied Entry After	0

9: #1 & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	33.6	50.6	5.2	2.9	61.7	27.7	25.7
Vehicles Entered	45	464	441	305	108	15	1378
Vehicles Exited	45	464	442	307	110	14	1382
Hourly Exit Rate	45	464	442	307	110	14	1382
Input Volume	52	481	502	344	110	13	1502
% of Volume	87	96	88	89	100	110	92
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

10: #1 & Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	9.8	0.0	0.0	18.8	13.8	7.9
Total Del/Veh (s)	130.2	81.0	9.5	5.1	155.4	166.5	69.7
Vehicles Entered	3	277	258	174	257	13	982
Vehicles Exited	3	272	259	175	245	13	967
Hourly Exit Rate	3	272	259	175	245	13	967
Input Volume	4	282	288	192	259	13	1039
% of Volume	75	96	90	91	95	98	93
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	2	0	0	2	0	4

11: #1 & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.0	0.0	5.6	1.6	1.5
Total Del/Veh (s)	26.5	17.4	2.5	2.3	80.1	77.7	27.6
Vehicles Entered	2	130	241	47	149	13	582
Vehicles Exited	2	127	240	47	143	13	572
Hourly Exit Rate	2	127	240	47	143	13	572
Input Volume	4	130	265	50	147	14	610
% of Volume	53	98	91	94	97	95	94
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

12: #2 & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1		1.4	0.0	0.0	0.0	0.5
Total Del/Veh (s)	588.1	349.3	675.9		280.9	206.0	1.8	2.1	135.3
Vehicles Entered	4	8	66	0	582	3	951	3	1617
Vehicles Exited	3	7	39	0	486	3	950	3	1491
Hourly Exit Rate	3	7	39	0	486	3	950	3	1491
Input Volume	4	8	65	1	601	3	1088	4	1774
% of Volume	75	90	60	0	81	100	87	75	84
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	114.6	1.6	3.5	50.6
Vehicles Entered	771	3	1046	1820
Vehicles Exited	725	3	1047	1775
Hourly Exit Rate	725	3	1047	1775
Input Volume	816	3	1233	2052
% of Volume	89	100	85	87
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: #3 & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by movement

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	4.6	5.7	0.1	1.9
Total Del/Veh (s)	24.3	153.7	92.8	2.8	60.2
Vehicles Entered	150	1152	108	1897	3307
Vehicles Exited	150	1124	106	1896	3276
Hourly Exit Rate	150	1124	106	1896	3276
Input Volume	152	1335	124	2197	3808
% of Volume	99	84	85	86	86
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	3	0	0	3

27: #2 Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	3.2	0.1	1.3
Total Del/Veh (s)	27.0	25.7	26.2
Vehicles Entered	604	973	1577
Vehicles Exited	583	980	1563
Hourly Exit Rate	583	980	1563
Input Volume	602	1110	1712
% of Volume	97	88	91
Denied Entry Before	0	0	0
Denied Entry After	7	0	7

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	6.7	6.7
Vehicles Entered	705	705
Vehicles Exited	705	705
Hourly Exit Rate	705	705
Input Volume	878	878
% of Volume	80	80
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	14.9	14.9
Vehicles Entered	1118	1118
Vehicles Exited	1136	1136
Hourly Exit Rate	1136	1136
Input Volume	1304	1304
% of Volume	87	87
Denied Entry Before	0	0
Denied Entry After	0	0

36: #3/University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.0	0.0	0.8	0.2	0.3
Total Del/Veh (s)	75.9	58.5	49.4	82.1	80.2	73.6	56.3	11.4	11.8	79.0	32.6	28.8
Vehicles Entered	9	56	46	34	168	21	19	1000	205	30	993	36
Vehicles Exited	8	55	46	33	164	20	18	1000	205	31	978	35
Hourly Exit Rate	8	55	46	33	164	20	18	1000	205	31	978	35
Input Volume	10	56	47	38	165	20	23	1101	228	33	1015	36
% of Volume	80	98	97	86	99	100	78	91	90	93	96	97
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0

36: #3/University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	0.1
Total Del/Veh (s)	28.7
Vehicles Entered	2617
Vehicles Exited	2593
Hourly Exit Rate	2593
Input Volume	2773
% of Volume	94
Denied Entry Before	0
Denied Entry After	0

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	2.1	1.5	1.5
Total Del/Veh (s)	35.3	31.5	31.9
Vehicles Entered	151	1459	1610
Vehicles Exited	150	1448	1598
Hourly Exit Rate	150	1448	1598
Input Volume	152	1464	1616
% of Volume	99	99	99
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	301.3	1.6	132.4
Vehicles Entered	284	369	653
Vehicles Exited	233	369	602
Hourly Exit Rate	233	369	602
Input Volume	337	399	736
% of Volume	69	92	82
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

57: US 101 NB On-Ramp Performance by movement

Movement	NBL	NBT	All
Denied Del/Veh (s)	86.2	0.0	83.1
Total Del/Veh (s)	40.1	23.1	39.5
Vehicles Entered	706	27	733
Vehicles Exited	705	27	732
Hourly Exit Rate	705	27	732
Input Volume	878	24	902
% of Volume	80	115	81
Denied Entry Before	7	0	7
Denied Entry After	28	0	28

Total Network Performance

Denied Del/Veh (s)	55.4
Total Del/Veh (s)	363.3
Vehicles Entered	8436
Vehicles Exited	7728
Hourly Exit Rate	7728
Input Volume	56042
% of Volume	14
Denied Entry Before	13
Denied Entry After	259

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	WB	SB
Directions Served	LT	T	T	R	LR
Maximum Queue (ft)	275	2317	133	95	3019
Average Queue (ft)	271	2131	24	14	2144
95th Queue (ft)	303	2762	81	54	3505
Link Distance (ft)		2267	199	199	3226
Upstream Blk Time (%)		80	0		16
Queuing Penalty (veh)		0	0		0
Storage Bay Dist (ft)	250				
Storage Blk Time (%)	33	86			
Queuing Penalty (veh)	105	286			

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	WB	SB
Directions Served	LT	R	L	LT	TR	LTR
Maximum Queue (ft)	220	217	300	332	327	74
Average Queue (ft)	175	189	167	214	213	16
95th Queue (ft)	250	253	297	341	342	51
Link Distance (ft)	199	199		316	316	448
Upstream Blk Time (%)	16	22	0	4	4	
Queuing Penalty (veh)	98	135	0	16	18	
Storage Bay Dist (ft)			250			
Storage Blk Time (%)			1	12		
Queuing Penalty (veh)			5	16		

Intersection: 3: #3 & Donohoe Street

Movement	EB	EB	WB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	TR	L	L	T	TR	R	L	L	T	T	R
Maximum Queue (ft)	65	342	282	281	274	282	271	250	236	232	253	97
Average Queue (ft)	17	278	263	250	169	177	151	211	172	114	210	70
95th Queue (ft)	47	406	277	306	287	295	276	266	254	219	311	132
Link Distance (ft)	316	316	253	253	253	253	253	97	97	97	97	
Upstream Blk Time (%)		22	66	42	7	6	2	89	80	17	40	3
Queuing Penalty (veh)		73	235	150	24	21	8	295	265	57	132	0
Storage Bay Dist (ft)												100
Storage Blk Time (%)											40	3
Queuing Penalty (veh)											162	10

Intersection: 3: #3 & Donohoe Street

Movement	SB	SB	SB	SB
Directions Served	L	T	T	R
Maximum Queue (ft)	259	1002	1006	125
Average Queue (ft)	58	830	815	44
95th Queue (ft)	209	1159	1163	131
Link Distance (ft)		982	982	
Upstream Blk Time (%)		12	11	
Queuing Penalty (veh)		63	62	
Storage Bay Dist (ft)	235			100
Storage Blk Time (%)	0	70	60	0
Queuing Penalty (veh)	0	15	44	1

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	T	T	T	T	T	TR	L	L	T	R	L	R
Maximum Queue (ft)	265	202	257	295	259	247	845	837	627	499	25	106
Average Queue (ft)	132	41	244	270	149	94	494	460	203	221	2	28
95th Queue (ft)	260	138	279	287	293	211	900	905	743	479	14	84
Link Distance (ft)	253	253		257	257	257	972	972	972		508	508
Upstream Blk Time (%)	3	0	6	38	2	1	1	2	3			
Queuing Penalty (veh)	8	0	0	107	5	2	4	11	17			
Storage Bay Dist (ft)			250							500		
Storage Blk Time (%)			8	40					2	1		
Queuing Penalty (veh)			17	82					11	0		

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	T	TR	L	LT	LT	R
Maximum Queue (ft)	281	286	256	224	235	26	45	356	514
Average Queue (ft)	203	185	81	204	180	3	6	91	211
95th Queue (ft)	306	319	232	228	271	14	26	267	516
Link Distance (ft)	257	257	257	198	198	491	491	931	931
Upstream Blk Time (%)	7	7	1	65	36			0	1
Queuing Penalty (veh)	23	24	2	193	109			0	0
Storage Bay Dist (ft)									
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 6: E Bayshore Rd & Donohoe Street

Movement	WB	WB	NB	NB	SB	SB	SB	SB
Directions Served	L	R	T	TR	UL	T	T	T
Maximum Queue (ft)	668	1213	566	564	226	149	140	106
Average Queue (ft)	246	658	451	450	205	66	65	22
95th Queue (ft)	975	1487	706	704	246	130	127	74
Link Distance (ft)	2169	2169	480	480	198	198	198	198
Upstream Blk Time (%)			65	62	32			0
Queuing Penalty (veh)			110	105	61			0
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: #3 & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	261	306	302	373	384	253	150	375	424	1054	1023
Average Queue (ft)	185	253	221	316	326	60	57	277	373	661	643
95th Queue (ft)	302	341	337	413	411	163	127	405	501	1355	1312
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	1	45	29	23	26	1				12	11
Queuing Penalty (veh)	2	123	79	97	109	3				139	120
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0		5	9	29	
Queuing Penalty (veh)						0		31	62	272	

Intersection: 8: #2 & #1 & #3

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	177	188	165	2650	125	144	220	224	240	320	372	375
Average Queue (ft)	149	156	125	1621	114	48	153	185	138	188	324	328
95th Queue (ft)	188	186	194	3270	157	122	231	241	295	357	429	423
Link Distance (ft)	156	156	156	5698			144	144	202		349	349
Upstream Blk Time (%)	34	46	22			0	29	48	37		29	29
Queuing Penalty (veh)	67	91	43			0	95	159	245		159	161
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				65	22	0	34			1	49	
Queuing Penalty (veh)				141	64	0	17			4	76	

Intersection: 8: #2 & #1 & #3

Movement	SB
Directions Served	R
Maximum Queue (ft)	330
Average Queue (ft)	151
95th Queue (ft)	286
Link Distance (ft)	349
Upstream Blk Time (%)	0
Queuing Penalty (veh)	1
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: #1 & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	213	222	125	134	112	94	136
Average Queue (ft)	106	174	52	56	39	33	63
95th Queue (ft)	220	280	112	104	86	75	122
Link Distance (ft)	207	207	156	156		1048	1048
Upstream Blk Time (%)	5	33	0	0			
Queuing Penalty (veh)	14	89	0	0			
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				1	0		
Queuing Penalty (veh)				1	0		

Intersection: 10: #1 & Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	325	147	104	639
Average Queue (ft)	199	67	51	333
95th Queue (ft)	435	116	83	908
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)	15			7
Queuing Penalty (veh)	40			0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: #1 & Euclid Avenue

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	145	311
Average Queue (ft)	26	123
95th Queue (ft)	134	499
Link Distance (ft)	2311	1194
Upstream Blk Time (%)		3
Queuing Penalty (veh)		0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 12: #2 & Crescent Drive

Movement	EB	WB	NB	SB	B13	B13
Directions Served	LTR	LTR	LTR	TR	T	
Maximum Queue (ft)	105	634	2592	226	223	230
Average Queue (ft)	38	302	1191	25	178	187
95th Queue (ft)	128	922	3778	134	215	239
Link Distance (ft)	1080	2562	4353	202	144	144
Upstream Blk Time (%)			6	0	15	10
Queuing Penalty (veh)			35	5	79	57
Storage Bay Dist (ft)						
Storage Blk Time (%)				1		
Queuing Penalty (veh)				0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	B17	NE	NE
Directions Served	R	R	T	R	R
Maximum Queue (ft)	814	788	907	10	13
Average Queue (ft)	374	348	256	0	0
95th Queue (ft)	1152	1126	1684	6	10
Link Distance (ft)	1279	1279	4248	237	237
Upstream Blk Time (%)	8	8	1		
Queuing Penalty (veh)	0	0	0		
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 15: #3 & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	NB	SB	SB
Directions Served	R	T	T	T	TR	T	T
Maximum Queue (ft)	169	34	225	1019	1038	128	123
Average Queue (ft)	66	5	201	801	799	32	35
95th Queue (ft)	172	62	289	1360	1331	113	113
Link Distance (ft)	306	1354		1034	1034	97	97
Upstream Blk Time (%)	2			19	9	3	3
Queuing Penalty (veh)	3			135	67	35	30
Storage Bay Dist (ft)			175				
Storage Blk Time (%)			68	65			
Queuing Penalty (veh)			297	285			

Intersection: 27: #2

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	550	50
Average Queue (ft)	99	2
95th Queue (ft)	768	24
Link Distance (ft)	2340	4353
Upstream Blk Time (%)	1	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	65
Average Queue (ft)	59
95th Queue (ft)	66
Link Distance (ft)	8
Upstream Blk Time (%)	50
Queuing Penalty (veh)	438
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	275	270
Average Queue (ft)	152	169
95th Queue (ft)	244	262
Link Distance (ft)	743	743
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: #3/University Avenue

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	218	441	117	311	345	140	484	466
Average Queue (ft)	88	201	23	140	173	48	224	218
95th Queue (ft)	177	377	73	287	328	125	524	519
Link Distance (ft)	966	995		982	982		2505	2505
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)				7		0	25	
Queuing Penalty (veh)				2		0	8	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	754	738
Average Queue (ft)	263	237
95th Queue (ft)	1086	1079
Link Distance (ft)	2146	2146
Upstream Blk Time (%)	2	2
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	NB	NB	B42	B42	SB
Directions Served	T	T	T	T	T
Maximum Queue (ft)	638	643	609	606	5
Average Queue (ft)	297	296	126	126	0
95th Queue (ft)	755	752	582	580	5
Link Distance (ft)	565	565	2484	2484	480
Upstream Blk Time (%)	31	30			
Queuing Penalty (veh)	0	0			
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 57: US 101 NB On-Ramp

Movement	NB	B26	B26
Directions Served	L	T	
Maximum Queue (ft)	252	230	214
Average Queue (ft)	252	189	194
95th Queue (ft)	256	241	253
Link Distance (ft)	182	167	167
Upstream Blk Time (%)	95	29	62
Queuing Penalty (veh)	835	128	271
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 8398

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	92.7	101.3	7.8	7.4	40.8
Total Del/Veh (s)	14.6	12.1	53.3	47.4	72.8	70.1	50.3
Vehicles Entered	21	281	411	89	446	20	1268
Vehicles Exited	21	282	411	89	445	20	1268
Hourly Exit Rate	21	282	411	89	445	20	1268
Input Volume	24	288	667	142	442	20	1583
% of Volume	87	98	62	63	101	99	80
Denied Entry Before	0	0	5	1	0	0	6
Denied Entry After	0	0	17	4	3	0	24

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.9	1.3	2.4	1704.4	1783.7	1841.8	117.7
Total Del/Veh (s)	3.7	1.7	3.2	40.7	56.6	54.9	2535.8	2439.3	2605.6	76.8
Vehicles Entered	2	259	419	328	511	20	4	4	3	1550
Vehicles Exited	2	258	419	325	512	20	3	3	3	1545
Hourly Exit Rate	2	258	419	325	512	20	3	3	3	1545
Input Volume	3	260	419	419	788	30	39	34	28	2020
% of Volume	67	99	100	78	65	67	8	9	11	76
Denied Entry Before	0	0	0	0	0	0	3	3	2	8
Denied Entry After	0	0	0	0	0	0	37	33	28	98

3: University Avenue & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.4	0.3	170.4	157.1	158.8
Total Del/Veh (s)	64.8	72.4	7.6	58.4	75.2	23.5	188.4	26.1	10.6	316.8	268.2	207.3
Vehicles Entered	14	74	166	332	540	467	196	306	378	23	710	102
Vehicles Exited	14	74	167	331	538	467	196	308	380	23	714	100
Hourly Exit Rate	14	74	167	331	538	467	196	308	380	23	714	100
Input Volume	16	83	192	333	616	527	431	585	743	34	1158	166
% of Volume	86	89	87	99	87	89	45	53	51	67	62	60
Denied Entry Before	0	0	0	0	0	0	0	0	0	1	14	2
Denied Entry After	0	0	0	0	0	0	0	0	0	2	50	7

3: University Avenue & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	42.0
Total Del/Veh (s)	108.5
Vehicles Entered	3308
Vehicles Exited	3312
Hourly Exit Rate	3312
Input Volume	4885
% of Volume	68
Denied Entry Before	17
Denied Entry After	59

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	8.5	27.9	9.6	0.1	0.2	4.5
Total Del/Veh (s)	24.7	39.4	5.8	241.9	71.1	106.1	88.7	88.4	107.0
Vehicles Entered	471	659	16	609	19	518	8	86	2386
Vehicles Exited	474	659	16	595	19	531	8	87	2389
Hourly Exit Rate	474	659	16	595	19	531	8	87	2389
Input Volume	855	653	17	734	26	626	8	90	3009
% of Volume	55	101	93	81	74	85	100	96	79
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	2	0	1	0	0	3

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.0
Total Del/Veh (s)	46.7	12.7	55.1	41.4	72.4	71.7	9.0	65.1	16.9	36.4
Vehicles Entered	321	692	498	134	76	18	21	74	102	1936
Vehicles Exited	324	694	498	134	76	18	21	75	102	1942
Hourly Exit Rate	324	694	498	134	76	18	21	75	102	1942
Input Volume	434	1054	494	132	77	18	20	76	99	2406
% of Volume	75	66	101	102	99	99	104	99	103	81
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.8	0.0	0.1	0.1	0.3
Total Del/Veh (s)	48.6	8.2	93.6	87.0	35.7	69.2	51.7
Vehicles Entered	270	520	469	27	34	173	1493
Vehicles Exited	269	520	462	27	33	172	1483
Hourly Exit Rate	269	520	462	27	33	172	1483
Input Volume	396	754	466	28	34	162	1840
% of Volume	68	69	99	96	96	106	81
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

7: University Avenue & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	1.0	0.0	0.4	1.5	0.0	0.0	0.0	0.4
Total Del/Veh (s)	124.4	29.0	96.6	205.7	11.2	39.6	8.6	73.4
Vehicles Entered	173	2	486	429	88	639	809	2626
Vehicles Exited	176	2	492	425	88	638	809	2630
Hourly Exit Rate	176	2	492	425	88	638	809	2630
Input Volume	288	3	791	1084	224	878	1085	4352
% of Volume	61	73	62	39	39	73	75	60
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

8: Woodland Avenue & University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	9.3	4.4	2.3	138.7	152.6	148.3	15.3	16.1	23.2	0.1	0.0	0.0
Total Del/Veh (s)	215.7	49.7	36.9	1238.8	1319.2	1371.3	141.5	209.4	123.2	88.2	32.5	8.8
Vehicles Entered	183	145	19	10	199	200	10	217	5	252	475	257
Vehicles Exited	184	146	20	6	117	115	10	216	5	255	476	256
Hourly Exit Rate	184	146	20	6	117	115	10	216	5	255	476	256
Input Volume	434	336	49	12	254	247	33	636	13	351	660	360
% of Volume	42	43	41	50	46	47	30	34	38	73	72	71
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	1	0	0	2	53	50	0	2	0	0	0	0

8: Woodland Avenue & University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	40.1
Total Del/Veh (s)	382.6
Vehicles Entered	1972
Vehicles Exited	1806
Hourly Exit Rate	1806
Input Volume	3385
% of Volume	53
Denied Entry Before	0
Denied Entry After	108

9: Woodland Avenue & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	30.8	6.3	0.4	0.5	377.9	416.0	150.3
Total Del/Veh (s)	160.6	246.1	10.5	2.6	838.8	928.0	329.4
Vehicles Entered	4	163	332	58	242	13	812
Vehicles Exited	4	162	332	58	176	9	741
Hourly Exit Rate	4	162	332	58	176	9	741
Input Volume	10	473	564	92	339	20	1498
% of Volume	39	34	59	63	52	46	49
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	99	5	104

10: Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	164.8	92.9	0.0	0.0	869.1	912.5	324.2
Total Del/Veh (s)	579.5	558.6	15.0	12.8	1180.1	1149.7	376.4
Vehicles Entered	5	86	220	122	107	5	545
Vehicles Exited	4	83	220	122	81	4	514
Hourly Exit Rate	4	83	220	122	81	4	514
Input Volume	11	253	376	204	233	13	1091
% of Volume	36	33	59	60	35	30	47
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	6	0	0	124	7	137

11: Woodland Avenue & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)		1.5	0.0	0.0	388.0	306.6	72.2
Total Del/Veh (s)		1041.5	2.7	2.4	2124.3	2017.9	688.5
Vehicles Entered	0	167	189	44	50	8	458
Vehicles Exited	0	77	189	44	13	2	325
Hourly Exit Rate	0	77	189	44	13	2	325
Input Volume	1	170	325	69	87	12	665
% of Volume	0	45	58	64	15	17	49
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	1	0	0	32	4	37

12: University Avenue & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1		17.3	66.2	0.0	0.1	0.0	6.6
Total Del/Veh (s)	1723.3	1038.3	1856.6		1332.5	1301.1	7.8	1.3	1.1	694.9
Vehicles Entered	3	8	68	0	343	2	6	503	3	936
Vehicles Exited	1	3	8	0	214	2	6	504	3	741
Hourly Exit Rate	1	3	8	0	214	2	6	504	3	741
Input Volume	4	8	65	1	604	3	10	714	4	1414
% of Volume	25	39	12	0	35	67	59	71	75	52
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	3	0	0	0	0	3

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	449.4	1.9	3.2	231.9
Vehicles Entered	711	1	729	1441
Vehicles Exited	659	1	729	1389
Hourly Exit Rate	659	1	729	1389
Input Volume	1079	2	1102	2184
% of Volume	61	40	66	64
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by move

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	7.3	11.2	0.0	2.9
Total Del/Veh (s)	4.0	202.5	55.4	1.3	79.7
Vehicles Entered	229	860	58	1223	2370
Vehicles Exited	229	873	60	1222	2384
Hourly Exit Rate	229	873	60	1222	2384
Input Volume	275	1754	122	1693	3844
% of Volume	83	50	49	72	62
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	3	0	0	3

26: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	9.6	9.6
Total Del/Veh (s)	43.7	43.7
Vehicles Entered	763	763
Vehicles Exited	761	761
Hourly Exit Rate	761	761
Input Volume	890	890
% of Volume	86	86
Denied Entry Before	1	1
Denied Entry After	4	4

27: University Avenue Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	207.3	0.0	112.0
Total Del/Veh (s)	400.7	21.8	193.4
Vehicles Entered	438	512	950
Vehicles Exited	345	514	859
Hourly Exit Rate	345	514	859
Input Volume	605	723	1328
% of Volume	57	71	65
Denied Entry Before	0	0	0
Denied Entry After	163	0	163

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	7.9	7.9
Vehicles Entered	745	745
Vehicles Exited	745	745
Hourly Exit Rate	745	745
Input Volume	872	872
% of Volume	85	85
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	11.8	11.8
Vehicles Entered	791	791
Vehicles Exited	792	792
Hourly Exit Rate	792	792
Input Volume	1166	1166
% of Volume	68	68
Denied Entry Before	0	0
Denied Entry After	0	0

36: University Avenue & Bell St Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.2	0.2	7.4	8.1	5.5	2.5	1.2	1.3	710.5	699.2	735.6
Total Del/Veh (s)	64.5	63.5	52.9	110.3	113.5	103.2	97.0	23.1	21.1	826.6	728.2	722.8
Vehicles Entered	14	88	43	74	167	23	99	1638	89	26	734	15
Vehicles Exited	14	88	43	75	167	23	99	1643	89	25	717	14
Hourly Exit Rate	14	88	43	75	167	23	99	1643	89	25	717	14
Input Volume	14	89	43	75	171	23	119	1937	107	48	1196	24
% of Volume	100	99	99	100	98	100	83	85	83	52	60	58
Denied Entry Before	0	0	0	0	0	0	0	1	0	0	6	0
Denied Entry After	0	0	0	0	2	0	0	0	0	18	473	9

36: University Avenue & Bell St Performance by movement

Movement	All
Denied Del/Veh (s)	255.4
Total Del/Veh (s)	245.1
Vehicles Entered	3010
Vehicles Exited	2997
Hourly Exit Rate	2997
Input Volume	3846
% of Volume	78
Denied Entry Before	7
Denied Entry After	502

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	44.0	44.9	44.8
Total Del/Veh (s)	290.1	314.1	310.0
Vehicles Entered	265	1324	1589
Vehicles Exited	230	1152	1382
Hourly Exit Rate	230	1152	1382
Input Volume	275	1378	1653
% of Volume	84	84	84
Denied Entry Before	0	0	0
Denied Entry After	9	48	57

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	13.9	1.3	7.2
Vehicles Entered	496	557	1053
Vehicles Exited	493	557	1050
Hourly Exit Rate	493	557	1050
Input Volume	491	792	1284
% of Volume	100	70	82
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

61: Donohoe Street Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.2	0.0	0.1
Total Del/Veh (s)	19.2	28.9	24.9
Vehicles Entered	302	419	721
Vehicles Exited	303	419	722
Hourly Exit Rate	303	419	722
Input Volume	312	670	982
% of Volume	97	63	74
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Denied Del/Veh (s)	208.9
Total Del/Veh (s)	641.4
Vehicles Entered	8434
Vehicles Exited	7212
Hourly Exit Rate	7212
Input Volume	61042
% of Volume	12
Denied Entry Before	39
Denied Entry After	1391

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	95	98	220	524
Average Queue (ft)	47	56	208	313
95th Queue (ft)	78	86	216	634
Link Distance (ft)		2005	202	694
Upstream Blk Time (%)			37	9
Queuing Penalty (veh)			297	0
Storage Bay Dist (ft)	250			
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	SB
Directions Served	LT	R	L	TR	LTR
Maximum Queue (ft)	25	114	336	346	464
Average Queue (ft)	3	39	216	307	449
95th Queue (ft)	15	84	365	361	476
Link Distance (ft)	202	202	316	316	453
Upstream Blk Time (%)			3	6	98
Queuing Penalty (veh)			19	39	0
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 3: University Avenue & Donohoe Street

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	T	R	L	LT	TR	R	L	L	T	T	R
Maximum Queue (ft)	51	147	90	249	292	285	270	123	235	121	246	87
Average Queue (ft)	12	58	33	199	263	249	144	41	232	44	134	62
95th Queue (ft)	37	123	71	318	291	303	275	116	249	113	295	116
Link Distance (ft)		316	316		249	249	249	87	87	87	87	
Upstream Blk Time (%)				3	32	28	2	2	94	0	14	4
Queuing Penalty (veh)				0	160	138	8	8	412	2	62	0
Storage Bay Dist (ft)	200			200								100
Storage Blk Time (%)		0		15	48						14	4
Queuing Penalty (veh)		0		70	80						105	13

Intersection: 3: University Avenue & Donohoe Street

Movement	SB	SB	SB	SB
Directions Served	L	T	T	R
Maximum Queue (ft)	260	1026	1035	125
Average Queue (ft)	92	1001	977	60
95th Queue (ft)	278	1018	1106	145
Link Distance (ft)		988	988	
Upstream Blk Time (%)		24	13	
Queuing Penalty (veh)		156	84	
Storage Bay Dist (ft)	235			100
Storage Blk Time (%)	0	83	40	1
Queuing Penalty (veh)	0	29	67	3

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	B58	B58	SB
Directions Served	T	T	T	T	TR	L	L	T	R	T	T	L
Maximum Queue (ft)	261	186	287	262	124	785	762	775	591	354	374	53
Average Queue (ft)	130	79	200	101	22	665	616	430	437	232	310	11
95th Queue (ft)	258	171	334	237	77	954	956	1032	754	439	470	40
Link Distance (ft)	249	249	258	258	258	686	686	686		186	186	525
Upstream Blk Time (%)	3	0	16	1	0	57	39	30		41	60	
Queuing Penalty (veh)	14	0	36	1	0	260	177	140		286	412	
Storage Bay Dist (ft)									500			
Storage Blk Time (%)								2	39			
Queuing Penalty (veh)								11	7			

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	241
Average Queue (ft)	93
95th Queue (ft)	200
Link Distance (ft)	525
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	LT	R	LT	R
Maximum Queue (ft)	150	283	212	103	206	213	114	116	42	170	130
Average Queue (ft)	136	212	67	16	165	175	44	43	14	62	47
95th Queue (ft)	177	349	152	61	233	239	99	95	38	133	101
Link Distance (ft)		258	258	258	185	185	497	497	497	939	939
Upstream Blk Time (%)		20	0	0	30	34					
Queuing Penalty (veh)		97	0	0	93	106					
Storage Bay Dist (ft)	100										
Storage Blk Time (%)	40	8									
Queuing Penalty (veh)	140	33									

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	208	150	162	108	429	452	74	301
Average Queue (ft)	170	47	69	16	220	243	24	140
95th Queue (ft)	242	120	147	67	505	525	59	289
Link Distance (ft)	185	185	185	185	489	489	2208	2208
Upstream Blk Time (%)	18	0	0	0	9	11		
Queuing Penalty (veh)	53	0	0	0	23	27		
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: University Avenue & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	281	311	310	372	392	273	169	307	325	372	249
Average Queue (ft)	194	288	245	355	358	31	16	156	182	74	89
95th Queue (ft)	331	304	377	373	399	155	79	274	296	266	193
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	1	84	47	66	60	1				0	
Queuing Penalty (veh)	5	303	169	287	263	6				1	
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0		1	1	0	
Queuing Penalty (veh)						0		4	6	3	

Intersection: 8: Woodland Avenue & University Avenue

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	178	187	166	5733	125	137	221	224	240	320	392	334
Average Queue (ft)	153	158	81	4354	120	22	160	187	211	234	183	150
95th Queue (ft)	187	184	193	6725	147	90	240	266	227	348	373	276
Link Distance (ft)	156	156	156	5698			144	144	202		349	349
Upstream Blk Time (%)	73	77	19	35		0	50	73	82		5	0
Queuing Penalty (veh)	196	206	50	0		0	166	244	551		21	0
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				32	71	0	62			19	1	
Queuing Penalty (veh)				80	189	0	20			63	4	

Intersection: 8: Woodland Avenue & University Avenue

Movement	SB
Directions Served	R
Maximum Queue (ft)	236
Average Queue (ft)	65
95th Queue (ft)	175
Link Distance (ft)	349
Upstream Blk Time (%)	0
Queuing Penalty (veh)	2
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: Woodland Avenue & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	210	223	151	150	59	1065	1080
Average Queue (ft)	104	209	57	39	6	790	929
95th Queue (ft)	211	218	125	98	34	1345	1322
Link Distance (ft)	207	207	156	156		1048	1048
Upstream Blk Time (%)	8	82	2	1		30	64
Queuing Penalty (veh)	19	197	7	4		0	0
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				1	0		
Queuing Penalty (veh)				1	0		

Intersection: 10: Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	383	173	137	1077
Average Queue (ft)	376	76	55	992
95th Queue (ft)	398	152	114	1277
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)	87	2	2	85
Queuing Penalty (veh)	224	7	5	0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: Woodland Avenue & Euclid Avenue

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	2280	1210
Average Queue (ft)	1202	915
95th Queue (ft)	2531	1485
Link Distance (ft)	3343	1194
Upstream Blk Time (%)	1	41
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 12: University Avenue & Crescent Drive

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	177	1603	4368	27	138	199	214
Average Queue (ft)	84	931	3597	2	8	93	72
95th Queue (ft)	236	1736	5543	16	71	204	204
Link Distance (ft)	1080	2562	4353		202	144	144
Upstream Blk Time (%)			47		0	3	2
Queuing Penalty (veh)			284		1	10	8
Storage Bay Dist (ft)				100			
Storage Blk Time (%)					0		
Queuing Penalty (veh)					0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	B17	NE
Directions Served	R	R	T	R
Maximum Queue (ft)	1364	1362	8313	9
Average Queue (ft)	1269	1258	4424	0
95th Queue (ft)	1596	1589	9889	5
Link Distance (ft)	1279	1279	8523	237
Upstream Blk Time (%)	58	46	22	
Queuing Penalty (veh)	0	0	0	
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	156	1453	1056	1075	64	59
Average Queue (ft)	36	193	1041	548	5	7
95th Queue (ft)	106	1004	1053	1302	31	34
Link Distance (ft)	288	1309	1034	1034	87	87
Upstream Blk Time (%)	0		59	5	0	0
Queuing Penalty (veh)	0		557	47	1	0
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 26: US 101 NB On-Ramp

Movement	WB
Directions Served	T
Maximum Queue (ft)	410
Average Queue (ft)	339
95th Queue (ft)	470
Link Distance (ft)	375
Upstream Blk Time (%)	15
Queuing Penalty (veh)	129
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: University Avenue

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	2372	16
Average Queue (ft)	1171	1
95th Queue (ft)	2952	12
Link Distance (ft)	2340	4353
Upstream Blk Time (%)	38	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	114
Average Queue (ft)	83
95th Queue (ft)	98
Link Distance (ft)	18
Upstream Blk Time (%)	45
Queuing Penalty (veh)	396
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	212	231
Average Queue (ft)	110	126
95th Queue (ft)	186	203
Link Distance (ft)	667	667
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: University Avenue & Bell St

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	273	509	149	579	590	150	2511	2523
Average Queue (ft)	121	299	109	373	368	83	2477	2475
95th Queue (ft)	227	503	174	584	593	194	2577	2591
Link Distance (ft)	507	528		988	988		2465	2465
Upstream Blk Time (%)		7					95	94
Queuing Penalty (veh)		0					0	0
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)			11	22		0	90	
Queuing Penalty (veh)			106	26		1	44	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	3578	3584
Average Queue (ft)	2088	2111
95th Queue (ft)	4602	4603
Link Distance (ft)	4287	4287
Upstream Blk Time (%)	17	19
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	NB	NB	B42	B42	SB
Directions Served	T	T	T	T	T
Maximum Queue (ft)	76	84	7	8	7
Average Queue (ft)	29	31	1	1	0
95th Queue (ft)	209	211	11	16	7
Link Distance (ft)	560	560	2483	2483	489
Upstream Blk Time (%)	1	1			
Queuing Penalty (veh)	0	0			
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 61: Donohoe Street

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	211	257
Average Queue (ft)	104	136
95th Queue (ft)	175	251
Link Distance (ft)	1392	2005
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 8579

1: Donohoe Street & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	88.6	111.0	1.2	1.6	38.1
Total Del/Veh (s)	15.6	12.0	53.2	46.9	64.9	69.6	47.1
Vehicles Entered	27	284	396	106	444	20	1277
Vehicles Exited	27	283	397	106	443	20	1276
Hourly Exit Rate	27	283	397	106	443	20	1276
Input Volume	27	285	668	182	445	20	1627
% of Volume	99	99	59	58	99	99	78
Denied Entry Before	0	0	4	2	0	0	6
Denied Entry After	0	0	17	5	0	0	22

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	1.4	1.3	0.6	1859.4	1932.8	1785.1	132.0
Total Del/Veh (s)	3.2	1.8	3.1	44.5	54.9	50.5	2433.6	2321.6	2395.3	76.9
Vehicles Entered	2	258	421	330	510	22	4	4	3	1554
Vehicles Exited	2	258	421	330	512	22	4	3	3	1555
Hourly Exit Rate	2	258	421	330	512	22	4	3	3	1555
Input Volume	3	262	420	419	829	30	39	34	28	2064
% of Volume	67	99	100	79	62	74	10	9	11	75
Denied Entry Before	0	0	0	0	0	0	5	5	3	13
Denied Entry After	0	0	0	0	0	0	40	36	30	106

3: University Avenue & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.6	0.5	172.0	164.0	177.9
Total Del/Veh (s)	63.8	72.4	7.8	58.4	77.3	23.2	186.7	25.8	10.2	315.1	271.7	212.9
Vehicles Entered	18	70	166	327	543	464	198	274	350	19	711	96
Vehicles Exited	18	71	166	327	542	465	198	275	351	20	711	98
Hourly Exit Rate	18	71	166	327	542	465	198	275	351	20	711	98
Input Volume	17	83	193	333	635	527	453	585	743	34	1158	166
% of Volume	104	86	86	98	85	88	44	47	47	58	61	59
Denied Entry Before	0	0	0	0	0	0	0	0	0	1	15	2
Denied Entry After	0	0	0	0	0	0	0	0	0	1	54	8

3: University Avenue & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	44.9
Total Del/Veh (s)	110.8
Vehicles Entered	3236
Vehicles Exited	3242
Hourly Exit Rate	3242
Input Volume	4928
% of Volume	66
Denied Entry Before	18
Denied Entry After	63

4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	9.7	0.0	9.6	0.1	0.2	4.7
Total Del/Veh (s)	24.6	39.1	5.3	272.3	71.9	89.4	69.2	93.2	113.2
Vehicles Entered	436	644	18	605	20	521	8	94	2346
Vehicles Exited	435	644	18	597	20	532	7	93	2346
Hourly Exit Rate	435	644	18	597	20	532	7	93	2346
Input Volume	855	657	17	748	26	626	8	90	3027
% of Volume	51	98	104	80	78	85	88	103	78
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	2	0	1	0	0	3

5: Donohoe Street & Cooley Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	0.2	0.0
Total Del/Veh (s)	45.1	12.6	56.1	41.2	73.3	67.1	6.9	63.7	16.0	36.6
Vehicles Entered	308	666	486	132	79	18	19	78	97	1883
Vehicles Exited	308	668	486	132	78	18	19	78	97	1884
Hourly Exit Rate	308	668	486	132	78	18	19	78	97	1884
Input Volume	434	1054	498	132	77	18	20	76	99	2410
% of Volume	71	63	97	100	101	99	94	103	98	78
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0

6: Donohoe Street & E Bayshore Rd Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	49.1	7.8	74.1	69.1	37.4	62.9	44.7
Vehicles Entered	268	497	452	28	33	169	1447
Vehicles Exited	270	497	454	28	33	167	1449
Hourly Exit Rate	270	497	454	28	33	167	1449
Input Volume	396	754	468	28	34	163	1844
% of Volume	68	66	97	99	96	102	79
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

7: University Avenue & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.7	0.0	0.7	2.7	0.9	0.0	0.0	0.6
Total Del/Veh (s)	126.6	53.1	101.8	224.4	12.3	41.5	9.5	76.2
Vehicles Entered	164	2	460	388	84	637	808	2543
Vehicles Exited	165	2	460	387	84	636	807	2541
Hourly Exit Rate	165	2	460	387	84	636	807	2541
Input Volume	288	3	805	1093	224	879	1085	4376
% of Volume	57	73	57	35	38	72	74	58
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	1	0	0	0	1

8: Woodland Avenue & University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	14.3	7.2	1.4	126.9	203.0	191.7	20.1	26.7	38.7	0.1	0.0	0.0
Total Del/Veh (s)	243.7	50.2	37.6	1424.1	1347.4	1409.0	153.1	234.7	189.2	85.8	32.7	6.5
Vehicles Entered	164	128	19	9	198	193	10	194	3	244	473	253
Vehicles Exited	165	127	18	5	116	111	10	193	3	245	471	254
Hourly Exit Rate	165	127	18	5	116	111	10	193	3	245	471	254
Input Volume	434	336	49	12	254	247	33	644	13	351	660	360
% of Volume	38	38	37	42	46	45	30	30	23	70	71	71
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	1	0	0	2	60	54	0	3	0	0	0	0

8: Woodland Avenue & University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	54.8
Total Del/Veh (s)	402.2
Vehicles Entered	1888
Vehicles Exited	1718
Hourly Exit Rate	1718
Input Volume	3393
% of Volume	51
Denied Entry Before	0
Denied Entry After	120

9: Woodland Avenue & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	22.9	12.4	0.0	0.0	499.0	454.0	198.8
Total Del/Veh (s)	237.3	280.6	7.5	2.2	1001.6	981.0	379.4
Vehicles Entered	4	145	333	56	215	14	767
Vehicles Exited	3	144	333	56	157	11	704
Hourly Exit Rate	3	144	333	56	157	11	704
Input Volume	10	473	564	92	339	20	1498
% of Volume	29	30	59	61	46	56	47
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	117	7	124

10: Manhattan Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	200.8	159.5	0.0	0.0	959.4	1058.2	375.3
Total Del/Veh (s)	522.0	660.4	10.6	6.5	1276.9	1219.7	396.3
Vehicles Entered	3	70	223	122	97	5	520
Vehicles Exited	3	69	223	122	75	4	496
Hourly Exit Rate	3	69	223	122	75	4	496
Input Volume	11	253	376	204	233	13	1091
% of Volume	27	27	59	60	32	30	45
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	8	0	0	138	9	155

11: Woodland Avenue & Euclid Avenue Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	4.3	0.0	0.0	437.7	508.2	89.8
Total Del/Veh (s)	483.4	1342.7	2.7	2.4	2310.8	2350.9	828.0
Vehicles Entered	1	171	191	41	51	7	462
Vehicles Exited	0	62	191	41	11	1	306
Hourly Exit Rate	0	62	191	41	11	1	306
Input Volume	1	170	325	69	87	12	665
% of Volume	0	36	59	59	13	9	46
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	1	0	0	37	5	43

12: University Avenue & Crescent Drive Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.2		19.5	1.6	0.1	0.1	0.0	6.8
Total Del/Veh (s)	1971.2	1249.6	1963.7		1513.2	1680.2	11.5	1.7	0.9	774.6
Vehicles Entered	3	7	67	0	306	2	6	491	3	885
Vehicles Exited	1	3	3	0	194	1	6	491	3	702
Hourly Exit Rate	1	3	3	0	194	1	6	491	3	702
Input Volume	4	8	65	1	612	3	10	714	4	1422
% of Volume	25	39	5	0	32	33	59	69	75	49
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	3	0	0	0	0	3

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	499.5	1.3	3.2	253.2
Vehicles Entered	639	2	721	1362
Vehicles Exited	624	2	721	1347
Hourly Exit Rate	624	2	721	1347
Input Volume	1093	3	1103	2199
% of Volume	57	67	65	61
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by move

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	7.6	14.3	0.0	3.0
Total Del/Veh (s)	3.9	210.6	48.3	1.3	79.3
Vehicles Entered	232	795	52	1215	2294
Vehicles Exited	233	815	55	1214	2317
Hourly Exit Rate	233	815	55	1214	2317
Input Volume	275	1776	122	1694	3867
% of Volume	85	46	45	72	60
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	2	0	0	2

26: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	10.1	10.1
Total Del/Veh (s)	44.2	44.2
Vehicles Entered	768	768
Vehicles Exited	768	768
Hourly Exit Rate	768	768
Input Volume	890	890
% of Volume	86	86
Denied Entry Before	1	1
Denied Entry After	3	3

27: University Avenue Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	326.1	0.1	180.3
Total Del/Veh (s)	517.7	21.3	237.6
Vehicles Entered	403	502	905
Vehicles Exited	308	507	815
Hourly Exit Rate	308	507	815
Input Volume	613	723	1336
% of Volume	50	70	61
Denied Entry Before	0	0	0
Denied Entry After	218	0	218

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	7.8	7.8
Vehicles Entered	752	752
Vehicles Exited	752	752
Hourly Exit Rate	752	752
Input Volume	873	873
% of Volume	86	86
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	12.0	12.0
Vehicles Entered	784	784
Vehicles Exited	783	783
Hourly Exit Rate	783	783
Input Volume	1166	1166
% of Volume	67	67
Denied Entry Before	0	0
Denied Entry After	0	0

36: University Avenue & Bell St Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.2	0.2	2.7	2.4	2.6	2.6	1.3	1.3	676.0	668.1	630.8
Total Del/Veh (s)	69.9	58.2	43.8	109.6	105.9	102.2	98.1	23.4	21.7	812.8	724.5	715.0
Vehicles Entered	14	89	42	73	173	23	95	1617	86	28	739	16
Vehicles Exited	14	89	43	73	172	23	95	1620	86	28	709	15
Hourly Exit Rate	14	89	43	73	172	23	95	1620	86	28	709	15
Input Volume	14	89	43	75	171	23	119	1938	107	48	1196	24
% of Volume	100	100	99	98	101	100	80	84	81	58	59	62
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	5	0
Denied Entry After	0	0	0	0	0	0	0	0	0	19	465	9

36: University Avenue & Bell St Performance by movement

Movement	All
Denied Del/Veh (s)	245.2
Total Del/Veh (s)	245.0
Vehicles Entered	2995
Vehicles Exited	2967
Hourly Exit Rate	2967
Input Volume	3847
% of Volume	77
Denied Entry Before	5
Denied Entry After	493

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	33.8	32.5	32.7
Total Del/Veh (s)	309.5	328.0	325.1
Vehicles Entered	268	1337	1605
Vehicles Exited	232	1145	1377
Hourly Exit Rate	232	1145	1377
Input Volume	275	1392	1667
% of Volume	84	82	83
Denied Entry Before	0	0	0
Denied Entry After	10	49	59

44: Donohoe Street/E Bayshore Rd & O Connor St Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	3.9	1.2	2.5
Vehicles Entered	479	535	1014
Vehicles Exited	478	534	1012
Hourly Exit Rate	478	534	1012
Input Volume	494	792	1286
% of Volume	97	67	79
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

61: Donohoe Street Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.3	0.0	0.1
Total Del/Veh (s)	19.7	23.1	21.6
Vehicles Entered	311	405	716
Vehicles Exited	311	405	716
Hourly Exit Rate	311	405	716
Input Volume	312	670	982
% of Volume	100	60	73
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

Total Network Performance

Denied Del/Veh (s)	232.1
Total Del/Veh (s)	689.8
Vehicles Entered	8303
Vehicles Exited	7108
Hourly Exit Rate	7108
Input Volume	61390
% of Volume	12
Denied Entry Before	43
Denied Entry After	1602

Intersection: 1: Donohoe Street & Euclid Ave

Movement	EB	EB	WB	SB
Directions Served	LT	T	TR	LR
Maximum Queue (ft)	96	103	221	565
Average Queue (ft)	50	55	209	289
95th Queue (ft)	82	87	219	601
Link Distance (ft)		2005	202	694
Upstream Blk Time (%)			38	4
Queuing Penalty (veh)			314	0
Storage Bay Dist (ft)	250			
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	SB
Directions Served	LT	R	L	TR	LTR
Maximum Queue (ft)	24	100	343	344	465
Average Queue (ft)	3	38	227	306	451
95th Queue (ft)	16	80	374	362	468
Link Distance (ft)	202	202	316	316	453
Upstream Blk Time (%)			4	6	99
Queuing Penalty (veh)			24	40	0
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 3: University Avenue & Donohoe Street

Movement	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	T	R	L	LT	TR	R	L	L	T	T	R
Maximum Queue (ft)	52	130	98	249	288	279	266	120	235	134	245	87
Average Queue (ft)	14	54	35	198	260	252	151	39	232	40	122	59
95th Queue (ft)	40	113	74	321	292	297	279	114	251	112	277	113
Link Distance (ft)		316	316		249	249	249	87	87	87	87	
Upstream Blk Time (%)				3	32	29	1	1	94	0	13	5
Queuing Penalty (veh)				0	161	146	6	4	416	2	58	0
Storage Bay Dist (ft)	200			200								100
Storage Blk Time (%)				14	49						13	5
Queuing Penalty (veh)				70	82						97	13

Intersection: 3: University Avenue & Donohoe Street

Movement	SB	SB	SB	SB
Directions Served	L	T	T	R
Maximum Queue (ft)	260	1028	1036	125
Average Queue (ft)	94	1002	986	54
95th Queue (ft)	283	1021	1067	138
Link Distance (ft)		988	988	
Upstream Blk Time (%)		24	13	
Queuing Penalty (veh)		160	85	
Storage Bay Dist (ft)	235			100
Storage Blk Time (%)	0	83	38	1
Queuing Penalty (veh)	0	28	62	7

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	B58	B58	SB
Directions Served	T	T	T	T	TR	L	L	T	R	T	T	L
Maximum Queue (ft)	258	184	282	261	115	792	765	772	598	354	367	43
Average Queue (ft)	123	72	192	101	22	718	680	368	411	280	323	9
95th Queue (ft)	259	161	334	241	75	935	932	966	719	435	449	32
Link Distance (ft)	249	249	258	258	258	686	686	686		186	186	525
Upstream Blk Time (%)	4	0	14	1	0	72	49	20		54	58	
Queuing Penalty (veh)	18	0	32	2	0	336	230	92		373	407	
Storage Bay Dist (ft)									500			
Storage Blk Time (%)								1	29			
Queuing Penalty (veh)								8	5			

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe Street

Movement	SB
Directions Served	R
Maximum Queue (ft)	227
Average Queue (ft)	101
95th Queue (ft)	212
Link Distance (ft)	525
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Donohoe Street & Cooley Ave

Movement	EB	EB	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	LT	R	LT	R
Maximum Queue (ft)	150	282	207	120	203	215	123	112	34	171	126
Average Queue (ft)	133	201	60	16	164	173	43	44	13	66	45
95th Queue (ft)	179	348	143	69	232	237	99	94	37	133	105
Link Distance (ft)		258	258	258	185	185	497	497	497	939	939
Upstream Blk Time (%)		18	0	0	27	32					
Queuing Penalty (veh)		89	0	0	87	100					
Storage Bay Dist (ft)	100										
Storage Blk Time (%)	38	8									
Queuing Penalty (veh)	132	35									

Intersection: 6: Donohoe Street & E Bayshore Rd

Movement	EB	EB	EB	EB	WB	WB	SB	SB
Directions Served	UL	T	T	T	T	TR	L	R
Maximum Queue (ft)	209	146	165	118	359	388	104	291
Average Queue (ft)	170	42	65	15	185	207	25	128
95th Queue (ft)	242	115	145	66	437	458	74	284
Link Distance (ft)	185	185	185	185	489	489	2208	2208
Upstream Blk Time (%)	18	0	0	0	5	6		
Queuing Penalty (veh)	52	0	0	0	12	15		
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: University Avenue & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	276	312	308	375	388	222	151	326	355	369	265
Average Queue (ft)	187	288	243	354	355	34	16	159	185	74	89
95th Queue (ft)	332	304	375	382	407	175	80	281	307	266	202
Link Distance (ft)	237	237	237	349	349	349				1034	1034
Upstream Blk Time (%)	1	85	45	72	61	3				0	
Queuing Penalty (veh)	5	310	163	316	267	13				1	
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0		1	2	1	
Queuing Penalty (veh)						0		7	9	7	

Intersection: 8: Woodland Avenue & University Avenue

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	UL	T	T
Maximum Queue (ft)	179	191	163	5735	125	137	224	221	236	320	386	318
Average Queue (ft)	157	157	75	4402	120	24	166	181	210	228	169	146
95th Queue (ft)	175	192	185	6730	140	96	249	259	227	342	353	270
Link Distance (ft)	156	156	156	5698			144	144	202		349	349
Upstream Blk Time (%)	84	78	14	38		0	58	70	84		4	0
Queuing Penalty (veh)	225	210	38	0		0	198	237	571		19	1
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				32	73	0	70			17	1	
Queuing Penalty (veh)				78	193	0	23			55	4	

Intersection: 8: Woodland Avenue & University Avenue

Movement	SB
Directions Served	R
Maximum Queue (ft)	189
Average Queue (ft)	59
95th Queue (ft)	148
Link Distance (ft)	349
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: Woodland Avenue & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	203	223	145	100	46	1071	1087
Average Queue (ft)	105	208	52	36	6	858	995
95th Queue (ft)	204	224	114	77	30	1300	1242
Link Distance (ft)	207	207	156	156		1048	1048
Upstream Blk Time (%)	5	84	0	0		40	73
Queuing Penalty (veh)	13	201	1	0		0	0
Storage Bay Dist (ft)					100		
Storage Blk Time (%)				0	0		
Queuing Penalty (veh)				0	0		

Intersection: 10: Manhattan Ave

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	384	161	124	1074
Average Queue (ft)	376	71	50	1012
95th Queue (ft)	389	133	94	1219
Link Distance (ft)	376	207	207	1038
Upstream Blk Time (%)	89	0	0	88
Queuing Penalty (veh)	230	0	0	0
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: Woodland Avenue & Euclid Avenue

Movement	EB	SB
Directions Served	LT	LR
Maximum Queue (ft)	2706	1207
Average Queue (ft)	1570	950
95th Queue (ft)	3002	1500
Link Distance (ft)	3343	1194
Upstream Blk Time (%)	3	52
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 12: University Avenue & Crescent Drive

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	206	1623	4368	22	150	212	213
Average Queue (ft)	111	950	3868	1	10	90	66
95th Queue (ft)	267	1710	5378	11	80	208	191
Link Distance (ft)	1080	2562	4353		202	144	144
Upstream Blk Time (%)			54		1	3	2
Queuing Penalty (veh)			332		6	13	9
Storage Bay Dist (ft)				100			
Storage Blk Time (%)					1		
Queuing Penalty (veh)					0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	B17	NE
Directions Served	R	R	T	R
Maximum Queue (ft)	1365	1357	8573	3
Average Queue (ft)	1331	1315	5883	0
95th Queue (ft)	1453	1437	10707	4
Link Distance (ft)	1279	1279	8523	237
Upstream Blk Time (%)	67	53	38	
Queuing Penalty (veh)	0	0	0	
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: University Avenue & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	142	1460	1055	1075	57	53
Average Queue (ft)	35	276	1041	461	4	8
95th Queue (ft)	98	1215	1052	1197	26	35
Link Distance (ft)	288	1309	1034	1034	87	87
Upstream Blk Time (%)			62	4	0	0
Queuing Penalty (veh)			583	41	0	0
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 26: US 101 NB On-Ramp

Movement	WB
Directions Served	T
Maximum Queue (ft)	411
Average Queue (ft)	345
95th Queue (ft)	473
Link Distance (ft)	375
Upstream Blk Time (%)	16
Queuing Penalty (veh)	137
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 27: University Avenue

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	2370	15
Average Queue (ft)	1386	1
95th Queue (ft)	3151	13
Link Distance (ft)	2340	4353
Upstream Blk Time (%)	48	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	110
Average Queue (ft)	82
95th Queue (ft)	96
Link Distance (ft)	18
Upstream Blk Time (%)	45
Queuing Penalty (veh)	394
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	221	244
Average Queue (ft)	109	127
95th Queue (ft)	192	213
Link Distance (ft)	667	667
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: University Avenue & Bell St

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	252	496	149	584	593	150	2519	2517
Average Queue (ft)	113	295	107	377	375	84	2471	2469
95th Queue (ft)	208	500	171	591	601	194	2610	2625
Link Distance (ft)	507	528		988	988		2465	2465
Upstream Blk Time (%)		5					95	94
Queuing Penalty (veh)		0					0	0
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)			9	24		0	91	
Queuing Penalty (veh)			91	28		0	44	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	3662	3664
Average Queue (ft)	2206	2232
95th Queue (ft)	4560	4562
Link Distance (ft)	4287	4287
Upstream Blk Time (%)	14	16
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: Donohoe Street/E Bayshore Rd & O Connor St

Movement	NB	NB	B42	SB
Directions Served	T	T	T	T
Maximum Queue (ft)	29	40	2	4
Average Queue (ft)	9	10	0	0
95th Queue (ft)	82	94	3	4
Link Distance (ft)	560	560	2483	489
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 61: Donohoe Street

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	217	207
Average Queue (ft)	106	116
95th Queue (ft)	181	178
Link Distance (ft)	1392	2005
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 8875

1: Donohoe St & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.9	0.4	0.4	0.4	0.6
Total Del/Veh (s)	113.7	34.7	26.5	11.9	53.5	48.3	36.0
Vehicles Entered	26	230	625	168	439	21	1509
Vehicles Exited	26	229	625	168	440	21	1509
Hourly Exit Rate	26	229	625	168	440	21	1509
Input Volume	27	226	668	182	445	20	1568
% of Volume	95	101	94	92	99	104	96
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

2: US 101 NB On-Ramp & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.0	0.1	0.1	0.1	0.1	0.1	0.4	0.7	0.4	0.1
Total Del/Veh (s)	15.9	16.5	8.2	38.6	36.0	29.5	45.4	48.3	28.1	28.2
Vehicles Entered	2	253	426	378	771	30	36	34	28	1958
Vehicles Exited	2	252	425	377	771	30	36	33	28	1954
Hourly Exit Rate	2	252	425	377	771	30	36	33	28	1954
Input Volume	3	262	420	419	829	30	39	34	28	2064
% of Volume	67	96	101	90	93	101	93	98	99	95
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0

3: #3 University Ave/#3 & Donohoe Street Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.4	1.0	0.0	0.0	0.0	0.2	0.1	0.1	85.9	118.6	108.7
Total Del/Veh (s)	37.8	66.3	55.1	18.1	61.2	32.0	48.3	25.5	11.6	253.2	238.3	209.6
Vehicles Entered	15	83	182	323	617	525	424	559	683	25	840	117
Vehicles Exited	15	83	183	323	613	527	424	560	683	25	844	116
Hourly Exit Rate	15	83	183	323	613	527	424	560	683	25	844	116
Input Volume	17	83	193	333	635	527	453	596	743	34	1162	166
% of Volume	87	100	95	97	97	100	94	94	92	73	73	70
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	12	2
Denied Entry After	0	0	0	0	0	0	0	0	0	1	48	6

3: #3 University Ave/#3 & Donohoe Street Performance by movement

Movement	All
Denied Del/Veh (s)	27.3
Total Del/Veh (s)	82.0
Vehicles Entered	4393
Vehicles Exited	4396
Hourly Exit Rate	4396
Input Volume	4942
% of Volume	89
Denied Entry Before	14
Denied Entry After	55

4: US 101 NB Off Ramp/Capitol Ave & Donohoe St Performance by movement

Movement	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	2.3	1.6	3.7	0.1	0.1	1.4
Total Del/Veh (s)	20.8	35.7	37.8	42.7	49.1	116.5	55.1	7.2	50.2
Vehicles Entered	785	636	16	746	35	615	8	89	2930
Vehicles Exited	785	632	16	743	34	608	8	90	2916
Hourly Exit Rate	785	632	16	743	34	608	8	90	2916
Input Volume	855	657	17	748	34	626	8	90	3035
% of Volume	92	96	93	99	100	97	100	100	96
Denied Entry Before	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	2	0	2	0	0	4

5: Donohoe St & Cooley Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	31.2	37.6	22.8	0.2	0.2	1.6
Total Del/Veh (s)	42.5	9.3	32.7	33.7	54.2	58.4	12.2	41.6	26.2	25.3
Vehicles Entered	413	988	480	132	72	19	21	77	100	2302
Vehicles Exited	413	988	480	131	72	19	21	77	99	2300
Hourly Exit Rate	413	988	480	131	72	19	21	77	99	2300
Input Volume	434	1054	498	132	77	18	20	76	99	2410
% of Volume	95	94	96	99	94	104	104	101	100	95
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	2	1	1	0	0	4

6: E. Bayshore & Donohoe Street Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	10.1	10.0	0.6	0.7	0.0	0.0	1.2
Total Del/Veh (s)	48.0	94.7	43.6	48.5	39.9	1.2	30.6
Vehicles Entered	29	161	466	28	367	718	1769
Vehicles Exited	29	155	462	28	366	717	1757
Hourly Exit Rate	29	155	462	28	366	717	1757
Input Volume	34	163	472	28	396	754	1848
% of Volume	85	95	98	99	92	95	95
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	2	0	0	0	0	2

7: #3 University Ave/#3 & US 101 SB Off-Ramp Performance by movement

Movement	WBL	WBT	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.1
Total Del/Veh (s)	64.4	19.3	47.4	51.6	12.3	50.7	8.4	38.9
Vehicles Entered	287	3	796	940	192	698	967	3883
Vehicles Exited	290	3	794	958	196	684	967	3892
Hourly Exit Rate	290	3	794	958	196	684	967	3892
Input Volume	288	3	805	1093	224	879	1117	4408
% of Volume	101	109	99	88	88	78	87	88
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0

8: #2 University Ave/#3 University Ave & #1 Woodland Ave/#3 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.9	0.6	3.8	6.9	7.2	1.5	2.4	3.7	0.0	0.0	0.0
Total Del/Veh (s)	53.0	65.9	60.4	804.9	770.5	742.3	106.1	61.9	65.8	44.0	18.3	10.3
Vehicles Entered	333	268	40	12	255	243	30	655	13	312	586	321
Vehicles Exited	335	270	40	10	200	187	30	643	13	315	582	321
Hourly Exit Rate	335	270	40	10	200	187	30	643	13	315	582	321
Input Volume	434	336	49	12	254	247	33	668	13	351	660	360
% of Volume	77	80	81	83	79	76	90	96	100	90	88	89
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	5	5	0	1	0	0	0	0

8: #2 University Ave/#3 University Ave & #1 Woodland Ave/#3 Performance by movement

Movement	All
Denied Del/Veh (s)	1.8
Total Del/Veh (s)	175.2
Vehicles Entered	3068
Vehicles Exited	2946
Hourly Exit Rate	2946
Input Volume	3417
% of Volume	86
Denied Entry Before	0
Denied Entry After	11

9: #1 Woodland Ave & University Circle Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.0	0.3	0.0	0.0	364.5	348.1	97.1
Total Del/Veh (s)	19.1	60.5	16.8	6.0	776.8	898.1	216.1
Vehicles Entered	9	418	481	79	260	15	1262
Vehicles Exited	9	412	472	79	221	14	1207
Hourly Exit Rate	9	412	472	79	221	14	1207
Input Volume	10	473	564	92	339	20	1498
% of Volume	88	87	84	86	65	71	81
Denied Entry Before	0	0	0	0	1	0	1
Denied Entry After	0	0	0	0	79	5	84

10: #1 Woodland Ave & Manhattan Dr Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	2.7	15.5	0.1	0.0	0.3	0.3	3.6
Total Del/Veh (s)	93.3	103.6	29.2	9.9	179.5	173.4	82.5
Vehicles Entered	8	212	312	174	237	15	958
Vehicles Exited	8	209	317	176	222	14	946
Hourly Exit Rate	8	209	317	176	222	14	946
Input Volume	11	253	376	204	233	13	1091
% of Volume	73	83	84	86	95	106	87
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	3	0	0	0	0	3

11: #1/#1 Woodland Ave & Euclid Ave Performance by movement

Movement	EBL	EBT	WBT	WBR	SBL	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.0	0.0	0.1	0.2	0.1
Total Del/Veh (s)	503.4	568.9	2.2	2.0	26.0	20.0	173.0
Vehicles Entered	1	168	275	60	87	13	604
Vehicles Exited	0	131	276	60	86	13	566
Hourly Exit Rate	0	131	276	60	86	13	566
Input Volume	1	170	325	69	87	12	665
% of Volume	0	77	85	87	99	111	85
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0

12: #2 & Crescent Dr Performance by movement

Movement	EBL	EBR	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.2	47.7	22.7	0.0	0.3	0.2	0.1	10.6
Total Del/Veh (s)	53.7	15.7	16.9	199.7	193.1	200.1	1.2	1.2	0.9	93.2
Vehicles Entered	3	7	68	1	632	3	9	646	4	1373
Vehicles Exited	3	8	68	1	614	3	9	649	4	1359
Hourly Exit Rate	3	8	68	1	614	3	9	649	4	1359
Input Volume	4	8	65	1	631	3	10	727	4	1454
% of Volume	80	103	105	100	97	92	88	89	94	93
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	2	0	0	0	0	2

14: US 101 SB Off-Ramp Performance by movement

Movement	SBR	NET	NER	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	16.4	2.1	3.6	10.7
Vehicles Entered	1081	2	881	1964
Vehicles Exited	1084	2	891	1977
Hourly Exit Rate	1084	2	891	1977
Input Volume	1093	3	1103	2199
% of Volume	99	67	81	90
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	0	0

15: #3/#3 University Ave & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp Performance by mo

Movement	EBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.0	0.1	0.1	0.0	0.0
Total Del/Veh (s)	4.8	12.9	17.5	2.0	8.0
Vehicles Entered	276	1680	105	1364	3425
Vehicles Exited	275	1679	104	1364	3422
Hourly Exit Rate	275	1679	104	1364	3422
Input Volume	275	1808	122	1702	3908
% of Volume	100	93	85	80	88
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0

27: #2 Performance by movement

Movement	EBT	WBT	All
Denied Del/Veh (s)	0.5	0.0	0.3
Total Del/Veh (s)	8.3	8.9	8.6
Vehicles Entered	615	652	1267
Vehicles Exited	616	645	1261
Hourly Exit Rate	616	645	1261
Input Volume	613	724	1336
% of Volume	101	89	94
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

28: US 101 NB On-Ramp Performance by movement

Movement	NBT	All
Denied Del/Veh (s)	0.3	0.3
Total Del/Veh (s)	12.0	12.0
Vehicles Entered	849	849
Vehicles Exited	849	849
Hourly Exit Rate	849	849
Input Volume	888	888
% of Volume	96	96
Denied Entry Before	0	0
Denied Entry After	0	0

32: US 101 SB On-Ramp Meter Performance by movement

Movement	SBT	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	13.9	13.9
Vehicles Entered	953	953
Vehicles Exited	968	968
Hourly Exit Rate	968	968
Input Volume	1166	1166
% of Volume	83	83
Denied Entry Before	0	0
Denied Entry After	0	0

36: #3/University Avenue Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.2	0.2	0.3	0.3	0.3	739.5	700.5	767.7	6.4	4.7	4.0
Total Del/Veh (s)	42.8	41.2	37.7	50.9	49.8	41.6	339.5	78.9	65.0	808.1	758.6	761.2
Vehicles Entered	15	88	45	81	169	21	83	1378	72	47	1191	25
Vehicles Exited	15	89	46	82	170	21	83	1358	71	32	850	18
Hourly Exit Rate	15	89	46	82	170	21	83	1358	71	32	850	18
Input Volume	14	89	43	75	171	23	119	1938	107	48	1196	24
% of Volume	105	100	106	109	99	92	70	70	66	66	71	76
Denied Entry Before	0	0	0	0	0	0	9	127	5	0	0	0
Denied Entry After	0	0	0	0	0	0	42	638	39	1	14	0

36: #3/University Avenue Performance by movement

Movement	All
Denied Del/Veh (s)	404.2
Total Del/Veh (s)	362.4
Vehicles Entered	3215
Vehicles Exited	2835
Hourly Exit Rate	2835
Input Volume	3848
% of Volume	74
Denied Entry Before	141
Denied Entry After	734

39: US 101 NB Off Ramp/Capitol Ave Performance by movement

Movement	WBT	WBR	All
Denied Del/Veh (s)	0.3	0.3	0.3
Total Del/Veh (s)	32.6	34.4	34.1
Vehicles Entered	278	1392	1670
Vehicles Exited	277	1384	1661
Hourly Exit Rate	277	1384	1661
Input Volume	275	1392	1667
% of Volume	101	99	100
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

44: O Connor St & E. Bayshore Performance by movement

Movement	NBT	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	13.0	0.5	5.4
Vehicles Entered	494	756	1250
Vehicles Exited	487	756	1243
Hourly Exit Rate	487	756	1243
Input Volume	494	798	1292
% of Volume	99	95	96
Denied Entry Before	0	0	0
Denied Entry After	0	0	0

58: US 101 NB On-Ramp Performance by movement

Movement	WBT	All
Denied Del/Veh (s)	8.5	8.5
Total Del/Veh (s)	17.2	17.2
Vehicles Entered	853	853
Vehicles Exited	853	853
Hourly Exit Rate	853	853
Input Volume	894	894
% of Volume	95	95
Denied Entry Before	2	2
Denied Entry After	2	2

Total Network Performance

Denied Del/Veh (s)	187.1
Total Del/Veh (s)	343.9
Vehicles Entered	9218
Vehicles Exited	8600
Hourly Exit Rate	8600
Input Volume	60025
% of Volume	14
Denied Entry Before	158
Denied Entry After	901

Intersection: 1: Donohoe St & Euclid Ave

Movement	EB	EB	WB	WB	SB
Directions Served	LT	T	T	R	LR
Maximum Queue (ft)	280	207	252	251	550
Average Queue (ft)	102	64	173	141	301
95th Queue (ft)	244	163	266	273	545
Link Distance (ft)	2624	2624	194	194	1322
Upstream Blk Time (%)			8	6	
Queuing Penalty (veh)			32	26	
Storage Bay Dist (ft)					
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: US 101 NB On-Ramp & Donohoe Street

Movement	EB	EB	WB	WB	WB	SB
Directions Served	LT	R	L	LT	TR	LTR
Maximum Queue (ft)	200	196	274	350	345	143
Average Queue (ft)	82	88	146	243	242	68
95th Queue (ft)	174	170	290	365	373	125
Link Distance (ft)	194	194		319	319	146
Upstream Blk Time (%)	1	1		3	3	1
Queuing Penalty (veh)	4	3		21	20	0
Storage Bay Dist (ft)			250			
Storage Blk Time (%)			0	10		
Queuing Penalty (veh)			1	22		

Intersection: 3: #3 University Ave/#3 & Donohoe Street

Movement	EB	EB	WB	WB	WB	WB	WB	NB	NB	NB	NB	NB
Directions Served	L	TR	L	L	T	TR	R	L	L	T	T	R
Maximum Queue (ft)	53	329	218	209	289	288	276	225	220	228	248	95
Average Queue (ft)	10	180	88	64	210	204	150	130	127	136	195	92
95th Queue (ft)	34	323	170	145	312	313	276	222	205	229	280	106
Link Distance (ft)	319	319	256	256	256	256	256	95	95	95	95	
Upstream Blk Time (%)		5	0	0	16	13	2	23	26	16	24	12
Queuing Penalty (veh)		7	0	0	49	39	6	103	115	71	106	0
Storage Bay Dist (ft)												200
Storage Blk Time (%)											24	12
Queuing Penalty (veh)											178	33

Intersection: 3: #3 University Ave/#3 & Donohoe Street

Movement	SB	SB	SB	SB
Directions Served	L	T	T	R
Maximum Queue (ft)	260	1017	1027	125
Average Queue (ft)	102	993	993	81
95th Queue (ft)	294	1013	1018	161
Link Distance (ft)		982	982	
Upstream Blk Time (%)		28	25	
Queuing Penalty (veh)		181	163	
Storage Bay Dist (ft)	235			100
Storage Blk Time (%)	0	80	54	1
Queuing Penalty (veh)	0	27	90	8

Intersection: 4: US 101 NB Off Ramp/Capitol Ave & Donohoe St

Movement	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB	SB	SB
Directions Served	T	T	T	T	T	TR	L	L	T	R	L	R
Maximum Queue (ft)	265	260	138	155	190	228	844	939	1031	300	40	84
Average Queue (ft)	154	135	42	42	73	103	333	429	663	283	10	31
95th Queue (ft)	249	231	101	134	205	243	764	1087	1332	357	34	69
Link Distance (ft)	256	256		254	254	254	972	972	972		664	664
Upstream Blk Time (%)	1	0	0	0	3	10	0	2	24			
Queuing Penalty (veh)	3	1	0	0	7	21	1	10	111			
Storage Bay Dist (ft)			250							100		
Storage Blk Time (%)			0	0					0	63		
Queuing Penalty (veh)			0	0					0	12		

Intersection: 5: Donohoe St & Cooley Ave

Movement	EB	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	T	T	T	TR	L	LT	R	LT	R
Maximum Queue (ft)	273	245	258	209	220	70	84	53	139	137
Average Queue (ft)	233	87	115	96	164	27	46	16	57	52
95th Queue (ft)	300	203	230	203	261	62	85	43	111	141
Link Distance (ft)	254	254	254	203	203	58	58	58	856	856
Upstream Blk Time (%)	11	1	1	1	18	7	17	0		
Queuing Penalty (veh)	53	5	4	2	57	0	0	0		
Storage Bay Dist (ft)										
Storage Blk Time (%)										
Queuing Penalty (veh)										

Intersection: 6: E. Bayshore & Donohoe Street

Movement	WB	WB	NB	NB	SB	SB	SB	SB
Directions Served	L	R	T	TR	L	T	T	T
Maximum Queue (ft)	243	333	308	375	228	62	72	14
Average Queue (ft)	62	134	113	175	196	14	13	1
95th Queue (ft)	338	468	340	408	255	46	49	8
Link Distance (ft)	729	729	480	480	203	203	203	203
Upstream Blk Time (%)	4	6	5	7	19			
Queuing Penalty (veh)	0	0	11	18	53			
Storage Bay Dist (ft)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 7: #3 University Ave/#3 & US 101 SB Off-Ramp

Movement	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LR	R	T	T	R	R	L	L	T	T
Maximum Queue (ft)	278	305	310	382	392	316	175	347	367	324	320
Average Queue (ft)	200	268	258	347	365	63	54	236	254	107	128
95th Queue (ft)	307	334	339	391	403	173	119	323	338	233	241
Link Distance (ft)	237	237	237	349	349	349				1041	1041
Upstream Blk Time (%)	1	39	33	16	24	1					
Queuing Penalty (veh)	5	143	120	71	103	3					
Storage Bay Dist (ft)							200	325	325		
Storage Blk Time (%)						0	0	0	1	0	
Queuing Penalty (veh)						0	0	1	6	0	

Intersection: 8: #2 University Ave/#3 University Ave & #1 Woodland Ave/#3

Movement	EB	EB	EB	WB	WB	NB	NB	NB	B13	SB	SB	SB
Directions Served	L	L	TR	LT	R	L	T	TR	T	L	T	T
Maximum Queue (ft)	190	184	190	4367	125	159	251	242	233	312	330	281
Average Queue (ft)	132	126	176	3099	116	50	203	219	208	189	119	127
95th Queue (ft)	205	187	191	4697	155	127	269	256	247	298	237	216
Link Distance (ft)	148	148	148	4715			160	160	188		349	349
Upstream Blk Time (%)	9	9	71	6		0	35	59	48		0	0
Queuing Penalty (veh)	25	23	190	0		0	119	198	323		1	0
Storage Bay Dist (ft)					100	125				250		
Storage Blk Time (%)				74	19	0	45			4	0	
Queuing Penalty (veh)				184	49	1	15			14	0	

Intersection: 8: #2 University Ave/#3 University Ave & #1 Woodland Ave/#3

Movement	SB
Directions Served	R
Maximum Queue (ft)	228
Average Queue (ft)	89
95th Queue (ft)	172
Link Distance (ft)	349
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: #1 Woodland Ave & University Circle

Movement	EB	EB	WB	WB	WB	SB	SB
Directions Served	LT	T	T	TR	R	L	LR
Maximum Queue (ft)	217	228	175	176	100	1096	1109
Average Queue (ft)	68	215	134	122	41	918	1027
95th Queue (ft)	190	260	178	191	106	1438	1267
Link Distance (ft)	212	212	148	148		1073	1073
Upstream Blk Time (%)	1	46	7	5		50	77
Queuing Penalty (veh)	2	110	22	16		0	0
Storage Bay Dist (ft)					75		
Storage Blk Time (%)				13	0		
Queuing Penalty (veh)				6	0		

Intersection: 10: #1 Woodland Ave & Manhattan Dr

Movement	EB	WB	WB	SB
Directions Served	LT	T	R	LR
Maximum Queue (ft)	228	235	161	645
Average Queue (ft)	184	163	82	361
95th Queue (ft)	268	236	136	785
Link Distance (ft)	184	212	212	1295
Upstream Blk Time (%)	63	2	0	
Queuing Penalty (veh)	161	6	0	
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 11: #1/#1 Woodland Ave & Euclid Ave

Movement	EB	WB	SB
Directions Served	LT	TR	LR
Maximum Queue (ft)	1220	25	146
Average Queue (ft)	692	1	53
95th Queue (ft)	1692	17	119
Link Distance (ft)	3256	184	728
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: #2 & Crescent Dr

Movement	EB	WB	NB	SB	SB	B13	B13
Directions Served	LTR	LTR	LTR	L	TR	T	
Maximum Queue (ft)	41	90	1619	21	211	201	214
Average Queue (ft)	10	40	1109	1	24	90	67
95th Queue (ft)	34	74	2118	13	118	194	192
Link Distance (ft)	1104	1312	2011		188	160	160
Upstream Blk Time (%)			2		0	1	1
Queuing Penalty (veh)			14		2	5	5
Storage Bay Dist (ft)				75			
Storage Blk Time (%)					1		
Queuing Penalty (veh)					0		

Intersection: 14: US 101 SB Off-Ramp

Movement	SB	SB	NE	NE
Directions Served	R	R	R	R
Maximum Queue (ft)	410	377	2	4
Average Queue (ft)	136	101	0	0
95th Queue (ft)	375	316	2	5
Link Distance (ft)	1279	1279	237	237
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 15: #3/#3 University Ave & US 101 NB Loop Off-Ramp & US 101 NB Loop On-Ramp

Movement	EB	B46	NB	NB	SB	SB
Directions Served	R	T	T	TR	T	T
Maximum Queue (ft)	136	390	488	553	63	76
Average Queue (ft)	48	14	113	164	4	12
95th Queue (ft)	107	248	376	452	29	47
Link Distance (ft)	293	1354	1041	1041	95	95
Upstream Blk Time (%)					0	0
Queuing Penalty (veh)					0	0
Storage Bay Dist (ft)						
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 27: #2

Movement	EB	WB
Directions Served	T	T
Maximum Queue (ft)	124	30
Average Queue (ft)	27	1
95th Queue (ft)	190	18
Link Distance (ft)	2840	2011
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 28: US 101 NB On-Ramp

Movement	NB
Directions Served	T
Maximum Queue (ft)	129
Average Queue (ft)	124
95th Queue (ft)	128
Link Distance (ft)	106
Upstream Blk Time (%)	39
Queuing Penalty (veh)	343
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 32: US 101 SB On-Ramp Meter

Movement	SB	SB
Directions Served	T	T
Maximum Queue (ft)	234	244
Average Queue (ft)	132	148
95th Queue (ft)	202	213
Link Distance (ft)	679	679
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 36: #3/University Avenue

Movement	EB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LTR	LTR	L	T	TR	L	T	TR
Maximum Queue (ft)	205	345	150	840	840	150	5921	5903
Average Queue (ft)	93	182	144	670	680	76	3794	3798
95th Queue (ft)	173	291	167	808	818	183	6441	6435
Link Distance (ft)	815	810		982	982		6488	6488
Upstream Blk Time (%)					0		4	4
Queuing Penalty (veh)					0		0	0
Storage Bay Dist (ft)			125			125		
Storage Blk Time (%)			75	30		0	81	
Queuing Penalty (veh)			729	35		1	39	

Intersection: 39: US 101 NB Off Ramp/Capitol Ave

Movement	WB	WB
Directions Served	TR	R
Maximum Queue (ft)	773	770
Average Queue (ft)	231	237
95th Queue (ft)	940	952
Link Distance (ft)	4138	4138
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 44: O Connor St & E. Bayshore

Movement	NB	NB	B42	B42
Directions Served	T	T	T	T
Maximum Queue (ft)	115	128	85	96
Average Queue (ft)	23	26	9	9
95th Queue (ft)	198	206	123	125
Link Distance (ft)	565	565	9213	9213
Upstream Blk Time (%)	2	2		
Queuing Penalty (veh)	0	0		
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 58: US 101 NB On-Ramp

Movement	WB	B26	B26
Directions Served	T	T	
Maximum Queue (ft)	178	188	179
Average Queue (ft)	171	116	96
95th Queue (ft)	205	207	192
Link Distance (ft)	108	141	141
Upstream Blk Time (%)	48	10	7
Queuing Penalty (veh)	415	44	29
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 5258

Appendix C

Signal Warrant Check

2120 - 2160 Euclid Avenue Mixed-Use Development

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: LJ date: 1/28/21

Major Street: East Bayshore Rd / Donohoe St
Minor Street: Euclid Ave/

Critical Approach Speed* (mph) 25
Critical Approach Speed* (mph) 25
**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)……..…..…..…..……. ☑ or ☐ **Rural (R)**
In built up area of isolated community of < 10,000 population…..…..……..

☐ **Urban (U)**

AM PEAK PERIOD

Warrant 3 - Peak Hour

PART A
(All parts 1, 2, and 3 below must be satisfied)

AM PEAK PERIOD

	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Minor Street Approach Direction w/ Highest Delay	SB	SB	SB	SB					
Highest Minor Street Average Delay (sec/veh)	33.7	95.5	203.4	430.0					
Corresponding Minor Street Approach Volume (veh/hr)	365	443	562	562					
Minor Street Total Delay (veh-hrs)	3.4	11.8	31.8	67.1					
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	No	Yes	Yes	Yes					
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	Yes	Yes	Yes	Yes					
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	Yes	Yes	Yes	Yes					
Signal Warranted based on Part A?	**No**	**Yes**	**Yes**	**Yes**					

*OVFL denotes delay greater than 300s

PART B

AM PEAK PERIOD

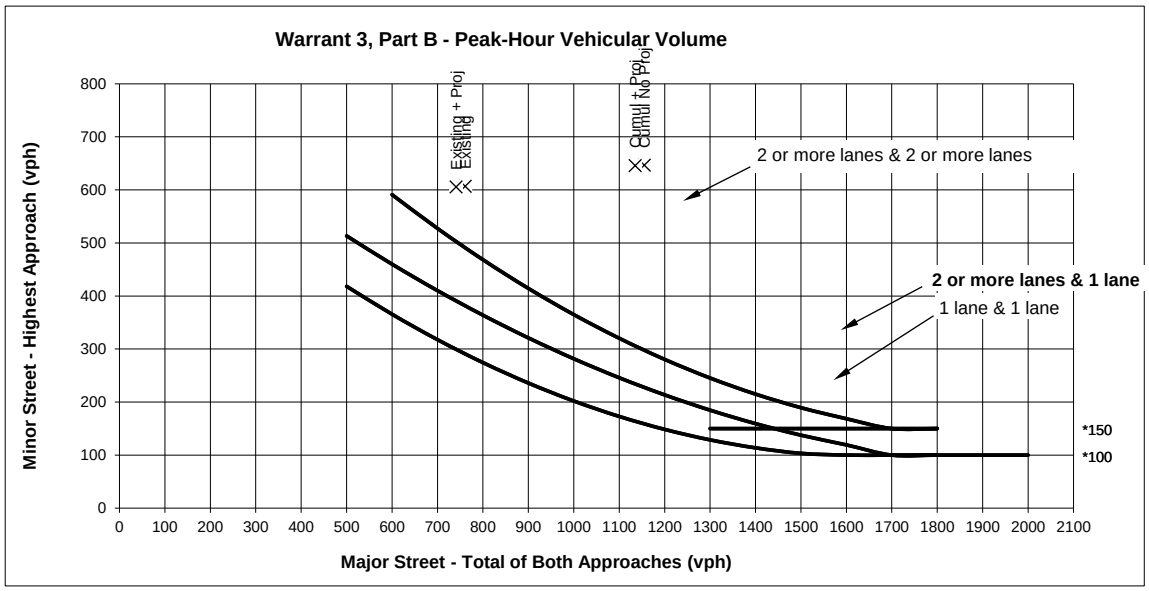
		Approach Lanes One	Approach Lanes 2 or More	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Major Street - Both Approaches	East Bayshore Rd / Donohoe St	X		761	741	1155	1135					
Minor Street - Highest Approach	Euclid Ave/	X		607	606	647	646					
Signal Warranted based on Part B?				**Yes**	**Yes**	**Yes**	**Yes**					

The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California).
Notes:

2120 - 2160 Euclid Avenue Mixed-Use Development

Euclid Avenue and East Bayshore Road/Donohoe Street **AM PEAK PERIOD**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		AM PEAK PERIOD								
		One	2 or More	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Major Street - Both Approaches	East Bayshore Rd / Donohoe St	X		761	741	1155	1135					
Minor Street - Highest Approach	Euclid Ave/	X		607	606	647	646					
Signal Warranted Based on Part B - Peak-Hour Volumes?				**Yes**	**Yes**	**Yes**	**Yes**					

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

File: SigWarrant_2010MUTCD - Euclid Ave & Donohoe St.xls
Tab: Warrant 3, Part B-Graph (AM)

2120 - 2160 Euclid Avenue Mixed-Use Development

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: LJ date: 1/28/21

Major Street: East Bayshore Rd / Donohoe St — Critical Approach Speed* (mph) 25

Minor Street: Euclid Ave/ — Critical Approach Speed* (mph) 25

**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…… ☑ or ☐ **Rural (R)**

In built up area of isolated community of < 10,000 population…… ☐ **Urban (U)**

AM PEAK PERIOD

Warrant 3 - Peak Hour

PART A

(All parts 1, 2, and 3 below must be satisfied)

PM PEAK HOUR

	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Minor Street Approach Direction w/ Highest Delay	SB	SB	SB	SB					
Highest Minor Street Average Delay (sec/veh)	15.0	6.7	72.8	53.5					
Corresponding Minor Street Approach Volume (veh/hr)	94	97	462	462					
Minor Street Total Delay (veh-hrs)	0.4	0.2	9.3	6.9					
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	No	No	Yes	Yes					
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	No	No	Yes	Yes					
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	Yes	Yes	Yes	Yes					
Signal Warranted based on Part A?	**No**	**No**	**Yes**	**Yes**					

*OVFL denotes delay greater than 300s

PART B

PM PEAK HOUR

		Approach Lanes One	Approach Lanes 2 or More	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Major Street - Both Approaches	East Bayshore Rd / Donohoe St	X		928	970	1042	1084					
Minor Street - Highest Approach	Euclid Ave/	X		239	242	462	465					
Signal Warranted based on Part B?				**Yes**	**Yes**	**Yes**	**Yes**					

The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

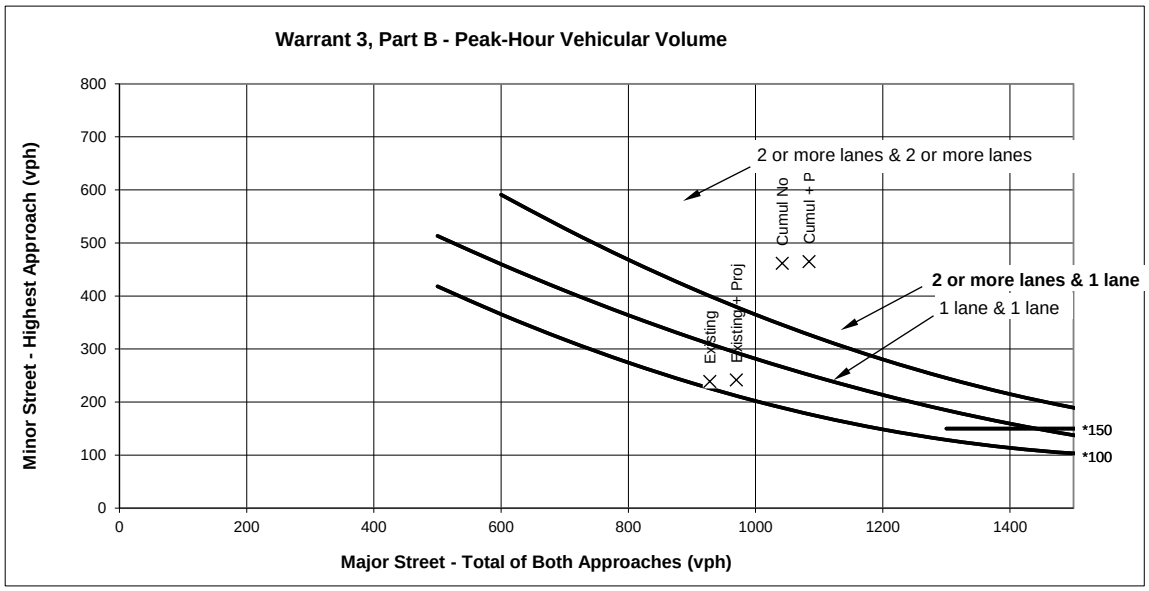
Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California).

Notes:

File: SigWarrant_2010MUTCD - Euclid Ave & Donohoe St.xls
Tab: Signal Warrants 3 (PM)

2120 - 2160 Euclid Avenue Mixed-Use Development

Euclid Avenue and East Bayshore Road/Donohoe Street **PM PEAK HOUR**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		PM PEAK HOUR								
		One	2 or More	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Major Street - Both Approaches	East Bayshore Rd / Donohoe St	X		928	970	1042	1084					
Minor Street - Highest Approach	Euclid Ave/	X		239	242	462	465					
Signal Warranted Based on Part B - Peak-Hour Volumes?				**Yes**	**Yes**	**Yes**	**Yes**					

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

File: SigWarrant_2010MUTCD - Euclid Ave & Donohoe St.xls
Tab: Warrant 3, Part B-Graph (PM)

2120 - 2160 Euclid Avenue Mixed-Use Development

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: LJ date: 1/28/21

Major Street: Donohoe St
Minor Street: Dwy/

Critical Approach Speed* (mph) 25
Critical Approach Speed* (mph) 25
**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…….…..…..…..…….. ☑ or ☐ **Rural (R)**
In built up area of isolated community of < 10,000 population…..…..…….. ☐ **Urban (U)**

AM PEAK PERIOD

Warrant 3 - Peak Hour

PART A
(All parts 1, 2, and 3 below must be satisfied)

AM PEAK PERIOD

	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Minor Street Approach Direction w/ Highest Delay	SB	SB	SB	SB					
Highest Minor Street Average Delay (sec/veh)	58.2	72.1	226.8	239.3					
Corresponding Minor Street Approach Volume (veh/hr)	409	409	277	277					
Minor Street Total Delay (veh-hrs)	6.6	8.2	17.5	18.4					
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	Yes	Yes	Yes	Yes					
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	Yes	Yes	Yes	Yes					
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	Yes	Yes	Yes	Yes					
Signal Warranted based on Part A?	**Yes**	**Yes**	**Yes**	**Yes**					

*OVFL denotes delay greater than 300s

PART B

AM PEAK PERIOD

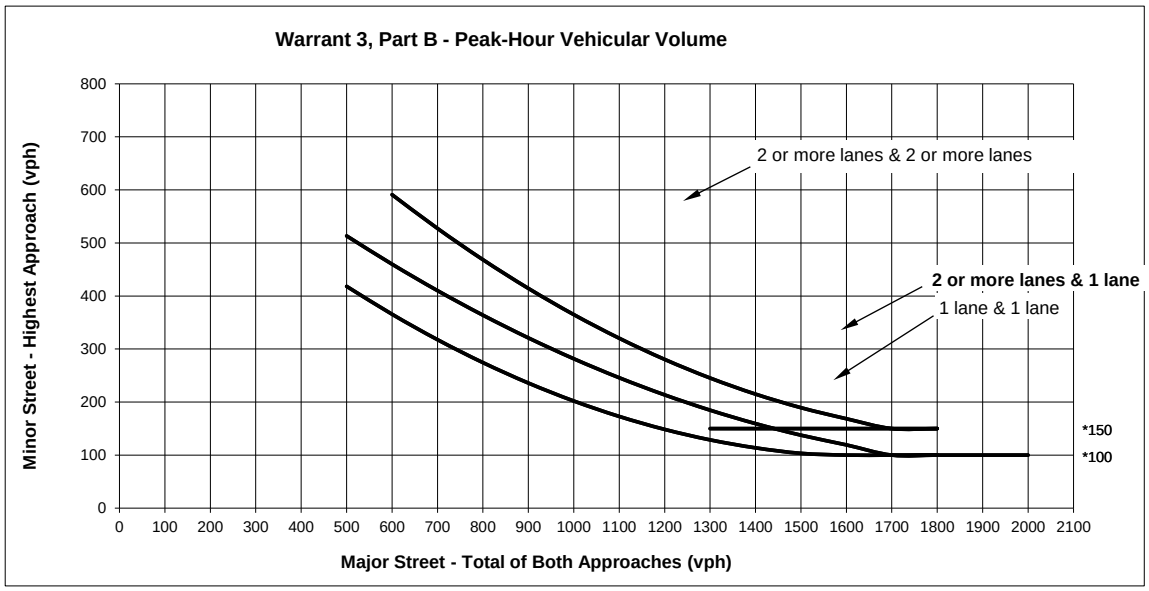
		Approach Lanes One	Approach Lanes 2 or More	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Major Street - Both Approaches	Donohoe St	X		1114	1169	1806	1861					
Minor Street - Highest Approach	Dwy/	X		967	1041	1184	1258					
Signal Warranted based on Part B?				**Yes**	**Yes**	**Yes**	**Yes**					

The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California).
Notes:

2120 - 2160 Euclid Avenue Mixed-Use Development

US 101 Northbound On-Ramp and Donohoe Street **AM PEAK PERIOD**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		AM PEAK PERIOD								
		One	2 or More	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Major Street - Both Approaches	Donohoe St	X		1114	1169	1806	1861					
Minor Street - Highest Approach	Dwy/	X		967	1041	1184	1258					
Signal Warranted Based on Part B - Peak-Hour Volumes?				**Yes**	**Yes**	**Yes**	**Yes**					

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

2120 - 2160 Euclid Avenue Mixed-Use Development

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: LJ date: 1/28/21

Major Street: Donohoe St
Minor Street: Dwy/

Critical Approach Speed* (mph) 25
Critical Approach Speed* (mph) 25
**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…….…..…..…..…….. ☑ or ☐ **Rural (R)**
In built up area of isolated community of < 10,000 population…..…..…….. ☐ **Urban (U)**

AM PEAK PERIOD

Warrant 3 - Peak Hour

PART A
(All parts 1, 2, and 3 below must be satisfied)

PM PEAK HOUR

	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Minor Street Approach Direction w/ Highest Delay	SB	SB	SB	SB					
Highest Minor Street Average Delay (sec/veh)	10.7	9.3	40.7	44.5					
Corresponding Minor Street Approach Volume (veh/hr)	409	409	486	486					
Minor Street Total Delay (veh-hrs)	1.2	1.1	5.5	6.0					
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	No	No	Yes	Yes					
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	Yes	Yes	Yes	Yes					
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	Yes	Yes	Yes	Yes					
Signal Warranted based on Part A?	**No**	**No**	**Yes**	**Yes**					

*OVFL denotes delay greater than 300s

PART B

PM PEAK HOUR

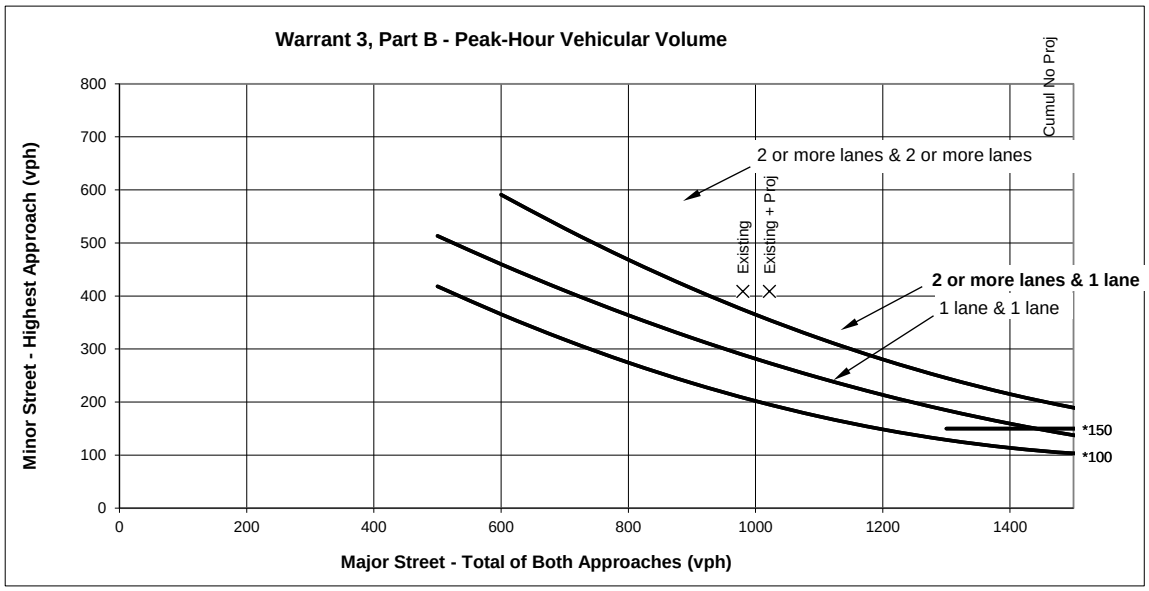
		Approach Lanes One	Approach Lanes 2 or More	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Major Street - Both Approaches	Donohoe St	X		980	1022	1461	1503					
Minor Street - Highest Approach	Dwy/	X		409	409	668	671					
Signal Warranted based on Part B?				**Yes**	**Yes**	**Yes**	**Yes**					

The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California).
Notes:

2120 - 2160 Euclid Avenue Mixed-Use Development

US 101 Northbound On-Ramp and Donohoe Street **PM PEAK HOUR**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		PM PEAK HOUR								
		One	2 or More	Existing	Existing + Proj	Cumul No Proj	Cumul + Proj					
Major Street - Both Approaches	Donohoe St	X		980	1022	1461	1503					
Minor Street - Highest Approach	Dwy/	X		409	409	668	671					
Signal Warranted Based on Part B - Peak-Hour Volumes?				**Yes**	**Yes**	**Yes**	**Yes**					

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

2120-2160 EUCLID AVENUE NOISE AND VIBRATION ASSESSMENT

East Palo Alto, California

December 17, 2024

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Project: 24-140

INTRODUCTION

A mixed-use development is proposed at 2120 and 2160 Euclid Avenue in East Palo Alto, California. Currently, the project site is developed with 13 existing buildings that would be demolished as part of this project. The proposed development would include two five-story buildings (one mixed-use and one residential) containing a total of 430 residential units and 2,840 square feet of retail uses in two phases. All residential units would be deed-restricted affordable. Phase I would include the construction of the mixed-use building with 206 residential units, approximately 2,840 square feet of retail uses, and a five-story above-grade parking garage. Phase II would be completed after Phase I and include the construction of the residential building with 224 units.

This report evaluates the project's potential to result in significant impacts with respect to applicable California Environmental Quality Act (CEQA) guidelines. The report is divided into three sections: 1) the Setting Section provides a brief description of the fundamentals of environmental noise and groundborne vibration, summarizes applicable regulatory criteria, and discusses ambient noise conditions in the project vicinity; 2) the Plan Consistency Analysis section discusses noise and land use compatibility utilizing policies in the City's General Plan; and 3) the Impacts and Mitigation Measures Section describes the significance criteria used to evaluate project impacts, provides a discussion of each project impact, and presents mitigation measures, where necessary, to mitigate project impacts to a less-than-significant levels.

SETTING

Fundamentals of Environmental Noise

Noise may be defined as unwanted sound. Noise is usually objectionable because it is disturbing or annoying. The objectionable nature of sound could be caused by its *pitch* or its *loudness*. *Pitch* is the height or depth of a tone or sound, depending on the relative rapidity (frequency) of the vibrations by which it is produced. Higher pitched signals sound louder to humans than sounds with a lower pitch. *Loudness* is intensity of sound waves combined with the reception characteristics of the ear. Intensity may be compared with the height of an ocean wave in that it is a measure of the amplitude of the sound wave.

In addition to the concepts of pitch and loudness, there are several noise measurement scales which are used to describe noise in a particular location. A *decibel (dB)* is a unit of measurement which indicates the relative amplitude of a sound. The zero on the decibel scale is based on the lowest sound level that the healthy, unimpaired human ear can detect. Sound levels in decibels are calculated on a logarithmic basis. An increase of 10 decibels represents a ten-fold increase in acoustic energy, while 20 decibels is 100 times more intense, 30 decibels is 1,000 times more intense, etc. There is a relationship between the subjective noisiness or loudness of a sound and its intensity. Each 10 decibel increase in sound level is perceived as approximately a doubling of loudness over a fairly wide range of intensities. Technical terms are defined in Table 1.

TABLE 1 Definition of Acoustical Terms Used in this Report

Term	Definition
Decibel, dB	A unit describing, the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20 micro Pascals.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in micro Pascals (or 20 micro Newtons per square meter), where 1 Pascal is the pressure resulting from a force of 1 Newton exerted over an area of 1 square meter. The sound pressure level is expressed in decibels as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e. g., 20 micro Pascals). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency, Hz	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sounds are below 20 Hz and Ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level, dBA	The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level, L_{eq}	The average A-weighted noise level during the measurement period.
L_{max}, L_{min}	The maximum and minimum A-weighted noise level during the measurement period.
L_{01}, L_{10}, L_{50}, L_{90}	The A-weighted noise levels that are exceeded 1%, 10%, 50%, and 90% of the time during the measurement period.
Day/Night Noise Level, L_{dn} or DNL	The average A-weighted noise level during a 24-hour day, obtained after addition of 10 decibels to levels measured in the night between 10:00 pm and 7:00 am.
Community Noise Equivalent Level, CNEL	The average A-weighted noise level during a 24-hour day, obtained after addition of 5 decibels in the evening from 7:00 pm to 10:00 pm and after addition of 10 decibels to sound levels measured in the night between 10:00 pm and 7:00 am.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

Source: Handbook of Acoustical Measurements and Noise Control, Harris, 1998.

There are several methods of characterizing sound. The most common in California is the *A-weighted sound level (dBA).* This scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Representative outdoor and indoor noise levels in units of dBA are shown in Table 2. Because sound levels can vary markedly over a short period of time, a method for describing either the average character of the sound or the statistical behavior of the variations must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events.

This *energy-equivalent sound/noise descriptor* is called L_{eq}. The most common averaging period is hourly, but L_{eq} can describe any series of noise events of arbitrary duration.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The accuracy of the predicted models depends upon the distance the receptor is from the noise source. Within about 100 feet, the models are accurate to within about plus or minus 1 to 2 dBA.

Since the sensitivity to noise increases during the evening and at night -- because excessive noise interferes with the ability to sleep -- 24-hour descriptors have been developed that incorporate artificial noise penalties added to quiet-time noise events. The *Community Noise Equivalent Level* (*CNEL*) is a measure of the cumulative noise exposure in a community, with a 5 dB penalty added to evening (7:00 pm - 10:00 pm) and a 10 dB addition to nocturnal (10:00 pm - 7:00 am) noise levels. The *Day/Night Average Sound Level* (L_{dn} or *DNL*) is essentially the same as CNEL, with the exception that the evening time period is dropped and all occurrences during this three-hour period are grouped into the daytime period.

TABLE 2 Typical Noise Levels in the Environment

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110 dBA	Rock band
Jet fly-over at 1,000 feet		
	100 dBA	
Gas lawn mower at 3 feet		
	90 dBA	
Diesel truck at 50 feet at 50 mph		Food blender at 3 feet
	80 dBA	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawn mower, 100 feet	70 dBA	Vacuum cleaner at 10 feet
Commercial area		Normal speech at 3 feet
Heavy traffic at 300 feet	60 dBA	
		Large business office
Quiet urban daytime	50 dBA	Dishwasher in next room
Quiet urban nighttime	40 dBA	Theater, large conference room
Quiet suburban nighttime		
	30 dBA	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	20 dBA	
		Broadcast/recording studio
	10 dBA	
	0 dBA	

Source: Technical Noise Supplement (TeNS), California Department of Transportation, September 2013.

Effects of Noise

Sleep and Speech Interference

The thresholds for speech interference indoors are about 45 dBA if the noise is steady and above 55 dBA if the noise is fluctuating. Outdoors the thresholds are about 15 dBA higher. Steady noises of sufficient intensity (above 35 dBA) and fluctuating noise levels above about 45 dBA have been shown to affect sleep. Interior residential standards for multi-family dwellings are set by the State of California at 45 dBA DNL. Typically, the highest steady traffic noise level during the daytime is about equal to the DNL and nighttime levels are 10 dBA lower. The standard is designed for sleep and speech protection and most jurisdictions apply the same criterion for all residential uses. Typical structural attenuation is 12 to 17 dBA with open windows. With closed windows in good condition, the noise attenuation factor is around 20 dBA for an older structure and 25 dBA for a newer dwelling.[1] Sleep and speech interference is therefore possible when exterior noise levels are about 57 to 62 dBA DNL with open windows and 65 to 70 dBA DNL if the windows are closed. Levels of 55 to 60 dBA are common along collector streets and secondary arterials, while 65 to 70 dBA is a typical value for a primary/major arterial. Levels of 75 to 80 dBA are normal noise levels at the first row of development outside a freeway right-of-way. In order to achieve an acceptable interior noise environment, bedrooms facing secondary roadways need to be able to have their windows closed; those facing major roadways and freeways typically need special glass windows.

Annoyance

Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that the causes for annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The DNL as a measure of noise has been found to provide a valid correlation of noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources. When measuring the percentage of the population highly annoyed, the threshold for ground vehicle noise is about 50 dBA DNL. At a DNL of about 60 dBA, approximately 12 percent of the population is highly annoyed. When the DNL increases to 70 dBA, the percentage of the population highly annoyed increases to about 25 to 30 percent of the population. There is, therefore, an increase of about 2 percent per dBA between a DNL of 60 to 70 dBA. Between a DNL of 70 to 80 dBA, each decibel increase increases by about 3 percent the percentage of the population highly annoyed. People appear to respond more adversely to aircraft noise. When the DNL is 60 dBA, approximately 30 to 35 percent of the population is believed to be highly annoyed. Each decibel increase to 70 dBA adds about 3 percentage points to the number of people highly annoyed. Above 70 dBA, each decibel increase results in about a 4 percent increase in the percentage of the population highly annoyed.[2]

[1] Based on the U.S. Department of Transportation Federal Highway Administration document "Highway Traffic Noise: Analysis and Abatement Guidance" (2010) and data from Illingworth & Rodkin, Inc. noise monitoring projects.

[2] Kryter, Karl D. The Effects of Noise on Man. Menlo Park, Academic Press, Inc., 1985.

Fundamentals of Groundborne Vibration

Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One method is the Peak Particle Velocity (PPV). The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave. In this report, a PPV descriptor with units of mm/sec or in/sec is used to evaluate construction generated vibration for building damage and human complaints. Table 3 displays the reactions of people and the effects on buildings that continuous or frequent intermittent vibration levels produce. The guidelines in Table 3 represent syntheses of vibration criteria for human response and potential damage to buildings resulting from construction vibration.

Construction activities can cause vibration that varies in intensity depending on several factors. The use of pile driving and vibratory compaction equipment typically generates the highest construction related groundborne vibration levels. Because of the impulsive nature of such activities, the use of the PPV descriptor has been routinely used to measure and assess groundborne vibration and almost exclusively to assess the potential of vibration to cause damage and the degree of annoyance for humans.

The two primary concerns with construction-induced vibration, the potential to damage a structure and the potential to interfere with the enjoyment of life, are evaluated against different vibration limits. Human perception to vibration varies with the individual and is a function of physical setting and the type of vibration. Persons exposed to elevated ambient vibration levels, such as people in an urban environment, may tolerate a higher vibration level.

Structural damage can be classified as cosmetic only, such as paint flaking or minimal extension of cracks in building surfaces; minor, including limited surface cracking; or major, that may threaten the structural integrity of the building. Safe vibration limits that can be applied to assess the potential for damaging a structure vary by researcher. The damage criteria presented in Table 3 include several categories for ancient, fragile, and historic structures, the types of structures most at risk to damage. Most buildings are included within the categories ranging from “Historic and some old buildings” to “Modern industrial/commercial buildings”. Construction-induced vibration that can be detrimental to the building is very rare and has only been observed in instances where the structure is at a high state of disrepair and the construction activity occurs immediately adjacent to the structure.

The annoyance levels shown in Table 3 should be interpreted with care since vibration may be found to be annoying at lower levels than those shown, depending on the level of activity or the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage.

TABLE 3 Reaction of People and Damage to Buildings from Continuous or Frequent Intermittent Vibration Levels

Velocity Level, PPV (in/sec)	Human Reaction	Effect on Buildings
0.01	Barely perceptible	No effect
0.04	Distinctly perceptible	Vibration unlikely to cause damage of any type to any structure
0.08	Distinctly perceptible to strongly perceptible	Recommended upper level of the vibration to which ruins and ancient monuments should be subjected
0.1	Strongly perceptible	Threshold at which there is a risk of damage to fragile buildings with no risk of damage to most buildings
0.25	Strongly perceptible to severe	Threshold at which there is a risk of damage to historic and some old buildings.
0.3	Strongly perceptible to severe	Threshold at which there is a risk of damage to older residential structures
0.5	Severe - Vibrations considered unpleasant	Threshold at which there is a risk of damage to new residential and modern commercial/industrial structures

Source: Transportation and Construction Vibration Guidance Manual, California Department of Transportation, April 2020.

Regulatory Background - Noise

The State of California, Santa Clara County, and the City of San José have established regulatory criteria that are applicable in this assessment. The State CEQA Guidelines, Appendix G, California Building Code, Santa Clara County Airport Land Use Commission Comprehensive Land Use Plan, and the City of San Jose General Plan are used to assess the potential significance of impacts. A summary of the applicable regulatory criteria is provided below.

Federal Government

Federal Transit Administration. The Federal Transit Administration (FTA) has identified construction noise thresholds in the *Transit Noise and Vibration Impact Assessment Manual*,[3] which limit daytime construction noise to 80 dBA L_{eq} at residential land uses, 85 dBA L_{eq} at commercial and office uses, and to 90 dBA L_{eq} at industrial land uses.

State of California

State CEQA Guidelines. CEQA contains guidelines to evaluate the significance of effects of environmental noise attributable to a proposed project. Under CEQA, noise impacts would be considered significant if the project would result in:

(a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local General Plan or Noise Ordinance, or applicable standards of other agencies;

[3] Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, FTA Report No. 0123, September 2018.

(b) Generation of excessive groundborne vibration or groundborne noise levels; or

(c) For a project located within the vicinity of a private airstrip or an airport land use plan or where such a plan has not been adopted within two miles of a public airport or public use airport, if the project would expose people residing or working in the project area to excessive noise levels.

2022 California Building Code, Title 24, Part 2. The current version of the California Building Code (CBC) requires interior noise levels in multi-family residential units attributable to exterior environmental noise sources to be limited to a level not exceeding 45 dBA L_{dn}/CNEL in any habitable room.

2022 California Building Cal Green Code. The State of California established exterior sound transmission control standards for new non-residential buildings, as set forth in the 2010 California Green Building Standards Code (Section 5.507.4.1 and 5.507.4.2). These standards were not altered in the 2022 revisions. Section 5.507 states that either the prescriptive (Section 5.507.4.1) or the performance method (Section 5.507.4.2) shall be used to determine environmental control at indoor areas. The prescriptive method is very conservative and not practical in most cases; however, the performance method can be quantitatively verified using exterior-to-interior calculations. For the purposes of this report, the performance method is utilized to determine consistency with the Cal Green Code. Both of the sections that pertain to this project are as follows:

> **5.507.4.1 Exterior noise transmission, prescriptive method.** Wall and roof-ceiling assemblies exposed to the noise source making up the building or additional envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 within the 65 dBA CNEL or DNL noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway noise source, as determined by the Noise Element of the General Plan.
>
> **5.507.4.2 Performance method.** For buildings located, as defined by Section 5.507.4.1, wall and roof-ceiling assemblies exposed to the noise source making up the building envelope or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level ($L_{eq(1\text{-}hr)}$) of 50 dBA in occupied areas during any hour of operation.

The performance method, which establishes the acceptable interior noise level, is the method typically used when applying these standards.

Santa Clara County

Santa Clara County Airport Land Use Commission Comprehensive Land Use Plan. The Comprehensive Land Use Plan (CLUP) adopted by the Santa Clara County Airport Land Use Commission contains standards for projects within the vicinity of San José International Airport which are relevant to this project:

4.3.2.1 Noise Compatibility Policies

N-1 The Community Noise Equivalent Level (CNEL) method of representing noise levels shall be used to determine if a specific land use is consistent with the CLUP.

N-2 In addition to the other policies herein, the Noise Compatibility Policies presented in Table 4-1 shall be used to determine if a specific land use is consistent with this CLUP.

N-3 Noise impacts shall be evaluated according to the Aircraft Noise Contours presented on Figure 5 (not shown in this report).

N-4 No residential construction shall be permitted within the 65 dB CNEL contour boundary unless it can be demonstrated that the resulting interior sound levels will be less than 45 dB CNEL and there are no outdoor patios or outdoor activity areas associated with the residential project. All property owners within the 65 dB CNEL contour boundary who rent or lease their property for residential use shall include in their rental/lease agreement with the tenant, a statement advising that they (the tenants) are living within a high noise area and the exterior noise level is predicted to be greater than 65 dB CNEL.

N-5 Residential construction will not be permitted in the area between the 60 dB CNEL contour boundary and the 65 dB CNEL contour boundary unless it can be demonstrated that the resulting interior sound level will be no greater than 45 dB CNEL.

N-6 Noise level compatibility standards for other types of land uses shall be applied in the same manner as the above residential noise level criteria. Table 4-1 presents acceptable noise levels for other land uses in the vicinity of the Airport.

Table 4 - 1

NOISE COMPATIBILITY POLICIES

LAND USE CATEGORY	CNEL					
	55-60	60-65	65-70	70-75	75-80	80-85
Residential – low density Single-family, duplex, mobile homes	*	**	***	****	****	****
Residential – multi-family, condominiums, townhouses	*	**	***	****	****	****
Transient lodging - motels, hotels	*	*	**	****	****	****
Schools, libraries, indoor religious assemblies, hospitals, nursing homes	*	***	****	****	****	****
Auditoriums, concert halls, amphitheaters	*	***	***	****	****	****
Sports arena, outdoor spectator sports, parking	*	*	*	**	***	****
Playgrounds, neighborhood parks	*	*	***	****	****	****
Golf courses, riding stables, water recreation, cemeteries	*	*	*	**	***	****
Office buildings, business commercial and professional, retail	*	*	**	***	****	****
Industrial, manufacturing, utilities, agriculture	*	*	*	***	***	****
* Generally Acceptable	Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements. Mobile homes may not be acceptable in these areas. Some outdoor activities might be adversely affected.					
** Conditionally Acceptable	New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Outdoor activities may be adversely affected. Residential: Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.					
*** Generally Unacceptable	New construction or development should be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design. Outdoor activities are likely to be adversely affected.					
**** Unacceptable	New construction or development shall not be undertaken.					

Source: Based on General Plan Guidelines, Appendix C (2003), Figure 2 and Santa Clara County ALUC 1992 Land Use Plan, Table 1

Source: Comprehensive Land Use Plan Santa Clara County, Norman Y Mineta San José International Airport, May 25, 2011, Amended May 23, 2019.

City of East Palo Alto

Vista 2035 East Palo Alto General Plan. The City of East Palo Alto adopted the 2035 General Plan Final Version in March 2017. The Safety and Noise Chapter of the General Plan[4] provides goals and policies to reduce noise within the community. The goals and policies that apply to the proposed project are as follows:

Goal SN-6: Minimize the effects of noise through proper land use planning.

Intent: To ensure that new noise-sensitive land uses in the City are located in a compatible noise environment or adequately mitigated in order to provide a compatible exterior and interior noise environment.

> **Policy 6.1. Noise standards.** Use the Interior and Exterior Noise Standards (Table 10-1) for transportation noise sources. Use the City's Noise Ordinance for evaluating non-transportation noise sources when making planning and development decisions. Require that applicants demonstrate that the noise standards will be met prior to project approval.
>
> **Policy 6.2. Compatibility standards.** Utilize noise/land use compatibility standards and the Noise Ordinance as guides for future development decisions.
>
> **Policy 6.3. Noise control.** Provide noise controls measures, such as berms, walls, and sound attenuating construction in areas of new construction or rehabilitation.
>
> **Policy 6.4. Airport-adjacent land uses.** Maintain the non-residential designation for land near the airport in order to prevent new noise-sensitive residential uses from being constructed in areas with excessive aircraft noise.

Goal SN-7: Minimize transportation- and non-transportation-related noise impacts, especially on noise-sensitive land uses.

Intent: To maintain and improve the noise environment at noise-sensitive land uses throughout the City.

> **Policy 7.1. Noise ordinance.** Continually enforce and periodically review the City's Noise Ordinance for adequacy (including requiring construction activity to comply with established work schedule limits). Amend as needed to address community needs and development patterns.

[4] City of East Palo Alto, *Vista 2035 East Palo Alto General Plan*, Safety and Noise Chapter, Adopted October 4, 2016. Final Version March 2017.

Table 10-1. Interior and Exterior Noise Standards		
Land Use	Noise Standards[1]	
	Interior[2, 3]	Exterior
Residential – Single family, multifamily, duplex, mobile home	CNEL 45 dB	CNEL 65 dB[4]
Residential – Transient lodging, hotels, motels, nursing home, hospitals	CNEL 45 dB	CNEL 65 dB[4]
Private offices, church sanctuaries, libraries, board rooms, conference rooms, theaters, auditoriums, concert halls, meeting halls, etc.	Leq(12) 45 dB(A)	-
Schools	Leq(12) 45 dB(A)	Leq(12) 67 dB(A)[5]
General offices, reception, clerical, etc.	Leq(12) 50 dB(A)	-
Bank lobby, retail store, restaurant, typing pool, etc.	Leq(12) 55 dB(A)	-
Manufacturing, kitchen, warehousing, etc.	Leq(12) 65 dB(A)	-
Parks, playgrounds	-	CNEL 65 dB[5]
Golf courses, outdoor spectator sports, amusement parks	-	CNEL 70 dB[5]

Notes:

1. CNEL: Community Noise Equivalent Level; Leq (12): The A-weighted equivalent sound level averaged over a 12-hour period (usually the hours of operation).
2. Noise standard with windows closed. Mechanical ventilation shall be provided per UBC requirements to provide a habitable environment.
3. Indoor environment excluding bathrooms, toilets, closets, and corridors.
4. Outdoor environment limited to rear yard of single family homes, multifamily patios, and balconies (with a depth of 6' or more) and common recreation areas.
5. Outdoor environment limited to playground areas, picnic areas and other areas of frequent human use.

Source: Title 24, California Code of Regulations

Policy 7.2. CEQA acoustical analysis. Require an acoustical analysis to evaluate mitigation measures for noise-generating projects that are likely to cause the following criteria to be exceeded or to cause a significant adverse community response:

- Cause the L_{dn}/CNEL at noise-sensitive uses to increase by 3 dBA or more and exceed the "normally acceptable" level.

- Cause the L_{dn}/CNEL at noise-sensitive uses to increase by 5 dBA or more and remain "normally acceptable."

Policy 7.7. Site design review. Utilize site design review to identify potential noise impacts on new development, especially from nearby transportation sources. Encourage the use of noise barriers (walls, berms, or landscaping), setbacks and/or other buffers.

Policy 7.11. Construction noise. The City shall require that contractors use available noise suppression devices and techniques and limit construction hours near residential uses. Reasonable noise reduction measures shall be incorporated into the construction plan and implemented during all phases of construction activity to minimize the exposure of

neighboring properties. The City considers significant construction noise impacts to occur if a project located within 500 feet of residential uses or 200 feet of commercial or office uses would:

- Involve substantial noise-generating activities (such as building demolition, grading, excavation, pile driving, use of impact equipment, or building framing) continuing for more than 12 months.

For such large or complex projects, a construction noise logistics plan that specifies hours of construction, noise and vibration minimization measures, posting or notification of construction schedules, and designation of a noise disturbance coordinator who would respond to neighborhood complaints will be required to be in place prior to the start of construction and implemented during construction to reduce noise impacts on neighboring residents and other uses. A typical construction noise logistics plan would include, but not be limited to, the following measures to reduce construction noise levels as low as practical:

- Limit construction activity to weekdays between 7:00 a.m. and 7:00 p.m. and Saturdays and holidays between 9:00 a.m. and 7:00 p.m., with no construction on Sundays;

- Utilize "quiet" models of air compressors and other stationary noise sources where such technology exists;

- Equip all internal combustion engine-driven equipment with mufflers, which are in good condition and appropriate for the equipment;

- Locate all stationary noise-generating equipment, such as air compressors and portable power generators, as far away as possible from adjacent land uses;

- Locate staging areas and construction material areas as far away as possible from adjacent land uses;

- Prohibit all unnecessary idling of internal combustion engines;

- If impact pile driving is proposed, multiple-pile drivers shall be considered to expedite construction. Although noise levels generated by multiple pile drivers would be higher than the noise generated by a single pile driver, the total duration of pile driving activities would be reduced;

- If impact pile driving is proposed, temporary noise control blanket barriers shall shroud pile drivers or be erected in a manner to shield the adjacent land uses. Such noise control blanket barriers can be rented and quickly erected;

- If impact pile driving is proposed, foundation pile holes shall be pre-drilled to minimize the number of impacts required to seat the pile. Pre-drilling foundation pile holes is a standard construction noise control technique. Pre-drilling reduces the number of blows

required to seat the pile. Notify all adjacent land uses of the construction schedule in writing;

- Designate a "disturbance coordinator" who would be responsible for responding to any local complaints about construction noise. The disturbance coordinator will determine the cause of the noise complaint (e.g., starting too early, bad muffler, etc.) and will require that reasonable measures warranted to correct the problem are implemented;

- Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction.

City of East Palo Alto Municipal Code. Chapter 8.52, Noise Control, of the City's Municipal Code seeks to protect the citizens of East Palo Alto from unnecessary, excessive, and annoying noise; to maintain quiet in areas where noise levels are low; and to implement programs to reduce unacceptable noise. The regulations limit the amount of noise that may be created as measured at the exterior of any dwelling unit, school, hospital, church, or public library. Table 4 provides the Municipal Code's exterior noise standards.

TABLE 4 Receiving Land Use: Noise Level Standards for Single or Multiple Family Residence, School, Hospital, Church, or Public Library Properties

Category	Cumulative Number of Minutes in Any 1-Hour Time Period	Noise Level Standards, dBA	
		Daytime (7:00 am – 10:00 pm)	Nighttime (10:00 pm – 7:00 am)
1	30	55	50
2	15	50	55
3	5	65	60
4	1	70	60
5	0	75	70

Notes:

A. In the event the measured background noise level exceeds the applicable noise level standard in any category above, the applicable standard shall be adjusted in 5 dBA increments so as to encompass the background noise level.

B. Each of the noise level standards specified above shall be reduced by 5 dBA for simple tone noises, consisting primarily of speech or music, or for recurring or intermittent impulsive noises.

C. If the intruding noise source is continuous and cannot reasonably be stopped for a period of time whereby the background noise level can be measured, the noise level measured while the source is in operation shall be compared directly to the noise level standards in this table.

Source: City of East Palo Alto Municipal Code, 2017.

While Table 4 does summarize the levels provided in the Municipal Code for each category, the original Municipal Code document has two typos: Category 2 should be 60 dBA during daytime hours and 55 dBA during nighttime hours, and Category 4 should be 70 dBA during daytime hours and 65 dBA during nighttime hours. For any analysis involving these categories, the corrected levels are used.

In addition, Chapter 8.52 limits the creation of noise that results in excessive noise levels within any dwelling unit. Table 5 provides the standards for interior noise in dwelling units. Exemptions

to these standards are provided for activities such as special events and noise sources due to construction activities not taking place between 8:00 p.m. and 7:00 a.m.[5]

TABLE 5 Interior Noise Level Standards – Dwelling Unit

Category	Cumulative Number of Minutes in Any 1-Hour Time Period	Noise Level Standards, dBA	
		Daytime (7:00 am – 10:00 pm)	Nighttime (10:00 pm – 7:00 am)
1	5	45	40
2	1	50	45
3	0	55	50

Notes:

(a) In the event the measured background noise level exceeds the applicable noise level standard in any category above, the applicable standard shall be adjusted in 5 dBA increments so as to encompass the background noise level.

(b) Each of the noise level standards specified above shall be reduced by 5 dBA for simple tone noises, consisting primarily of speech or music, or for recurring or intermittent impulsive noises.

(c) If the intruding noise source is continuous and cannot reasonably be stopped for a period of time whereby the background noise level can be measured, the noise level measured while the source is in operation shall be compared directly to the noise level standards in this table.

Source: City of East Palo Alto Municipal Code, 2017.

Section 15.04.125 of the City's Municipal Code limits construction activity to the hours of 7:00 a.m. to 6:00 p.m. Monday through Friday and 9:00 a.m. to 5:00 p.m. on Saturdays. No construction activity is allowed on Sundays or national holidays.

Existing Noise Environment

The project site is located at 2120 and 2160 Euclid Avenue in East Palo Alto, California. The project site is bound by Euclid Avenue and commercial and residential uses to the north; a vacant lot and gas station to the south; Bell Street Park Place and the East Palo Alto Senior Center to the east; and Donohoe Street and U.S. Highway 101 to the west.

The noise environment at the site and in the surrounding area results primarily from vehicular traffic along U.S. Highway 101. Local traffic along the surrounding roadways also contributes to the existing noise environment.

A noise monitoring survey consisting of three long-term (LT-1 through LT-3) and three short-term (ST-1 through ST-3) noise measurements was conducted between Tuesday, November 12, 2024, and Thursday, November 14, 2024. All measurement locations are shown in Figure 1.

[5] City of East Palo Alto, 2017, *East Palo Alto Municipal Code*, Chapter 8.52, Noise Control.

FIGURE 1 Aerial Image of the Project Site and Surrounding Area with the Noise Measurement Locations Identified

Source: Google Earth 2024.

Long-term noise measurement LT-1 was made along Euclid Avenue, near the southwestern corner of the project site. LT-1 was set back approximately 25 feet from the centerline of Euclid Avenue and approximately 195 feet from the centerline of the nearest through lane of U.S. Highway 101. Hourly average noise levels at LT-1 typically ranged from 65 to 70 dBA L_{eq} during the day (between 7:00 a.m. and 10:00 p.m.) and from 57 to 68 dBA L_{eq} at night (between 10:00 p.m. and 7:00 a.m.). The community noise equivalent level on Wednesday, November 13, 2024, was 72 dBA CNEL. The daily trend in noise levels at LT-1 is shown in Figure A1 through A3 of Appendix A.

LT-2 was made near the northwestern corner of the project site, approximately 30 feet from the centerline of Euclid Avenue. Hourly average noise levels at this location typically ranged from 58 to 70 dBA L_{eq} during the day and from 49 to 64 dBA L_{eq} at night. The community noise equivalent level on Wednesday, November 13, 2024, was 67 dBA CNEL. The daily trend in noise levels at LT-2 is shown in Figure A4 through A6 of Appendix A.

LT-3 was made near the northeastern corner of the project site, approximately 200 feet from the centerline of University Avenue. Hourly average noise levels at this location typically ranged from 56 to 63 dBA L_{eq} during the day and from 50 to 61 dBA L_{eq} at night. The community noise equivalent level on Wednesday, November 13, 2024, was 64 dBA CNEL. The daily trend in noise levels at LT-3 is shown in Figure A7 through A9 of Appendix A.

Short-term noise measurements were made over 10-minute measurement periods, concurrent with the long-term noise data, on Tuesday, November 12, 2024 between 12:40 p.m. and 1:30 p.m. All short-term measurements are summarized in Table 4.

ST-1 was made along Donohoe Street at the southern boundary of the project site, approximately 35 feet from the centerline of Donohoe Street and approximately 190 feet from the centerline of the nearest through lane of U.S. Highway 101. Traffic noise along U.S. Highway 101 ranged from 65 to 67 dBA and was a constant noise source at ST-1. Traffic noise along Donohoe Street ranged from 67 to 75 dBA and was intermittent. Additionally, jets measured at ST-1 ranged from 71 to 72 dBA. The 10-minute average noise level measured at ST-1 was 68 dBA L_{eq}.

ST-2 was made along Euclid Avenue at about the midpoint of the project site. ST-2 was set back approximately 40 feet from the centerline of Euclid Avenue. Traffic noise along Euclid Avenue ranged from 49 to 69 dBA, and background traffic noise from U.S. Highway 101 ranged from 49 to 54 dBA at ST-2. Additional noise contributors at ST-2 included jets (62 to 65 dBA) and airplanes (55 to 65 dBA). The 10-minute average noise level measured at ST-2 was 58 dBA L_{eq}.

ST-3 was made at Bell Street Park, approximately 50 feet from the center of the playground and approximately 110 feet from the centerline of University Avenue. Traffic noise along University Avenue ranged from 58 to 66 dBA at ST-3 and included heavy trucks, passenger cars, and buses. Airplanes at ST-3 generated noise levels of 60 to 67 dBA. The 10-minute average noise level measured at ST-3 was 61 dBA L_{eq}.

TABLE 4 Summary of Short-Term Noise Measurements (dBA)

Noise Measurement Location	Date, Time	Measured Noise Level, dBA					
		L_{max}	$L_{(1)}$	$L_{(10)}$	$L_{(50)}$	$L_{(90)}$	L_{eq}
ST-1: ~35 feet north of the Donohoe Street centerline	11/12/2024, 12:40-12:50	75	73	70	67	65	68
ST-2: ~40 feet east of the Euclid Avenue centerline	11/12/2024, 13:00-13:10	69	66	62	54	52	58
ST-3: ~110 feet west of the University Avenue centerline	11/12/2024, 13:20-13:30	67	66	64	60	55	61

PLAN CONSISTENCY ANALYSIS

Noise and Land Use Compatibility

The Safety and Noise Chapter in the Vista 2035 East Palo Alto General Plan sets forth policies with the goal of minimizing the impact of noise on people through noise reduction and suppression techniques and through appropriate land use policies in the City of East Palo Alto. The applicable General Plan policies were presented in detail in the Regulatory Background section and are summarized below for the proposed project:

- The City's acceptable exterior noise level standard is 65 dBA CNEL or less for the proposed residential land uses.
- The City's acceptable interior noise level standard is 45 dBA CNEL or less for the proposed residential land uses.
- The City's acceptable interior noise level standard is 55 dBA $L_{eq(12)}$ or less for the proposed commercial retail uses
- The Cal Green Code standards specify an interior noise environment attributable to exterior sources not to exceed an hourly equivalent noise level (L_{eq}) of 50 dBA in occupied areas of nonresidential uses during any hour of operation.

The City of East Palo Alto does not specify an exterior threshold for commercial retail uses; however, exterior noise thresholds for commercial uses in other cities in the Bay Area are 70 dBA CNEL, which is used as a design goal in this report.

The future noise environment at the project site would continue to result primarily from vehicular traffic along U.S. Highway 101 and surrounding local roadways. While the traffic study completed for the proposed project did not include traffic volumes along U.S. Highway 101, traffic volumes are assumed to increase about 1% to 2% each year for the next 20 years. This would result in a noise level increase of up to 2 dBA CNEL by the year 2044. Additionally, the traffic study included cumulative plus project traffic volumes along the local roadways. Compared to the existing traffic

volumes, noise levels at locations on the project site set back from U.S. Highway 101 (represented by LT-2 and LT-3) would have future noise level increases of 4 dBA CNEL along Euclid Avenue and 1 dBA CNEL along University Avenue. These noise level increases were applied to the existing ambient noise measurements to represent the future cumulative conditions at the project site.

Future Exterior Noise Environment

Proposed Residential Uses

The residential outdoor use areas proposed as part of the project include three courtyards (see Figure 2), which would all be located on the ground and surrounded by the proposed buildings. Therefore, the buildings would shield the courtyards from the surrounding traffic noise. Future exterior noise levels at the courtyards would be below 65 dBA CNEL. The proposed project would, therefore, be compatible with the future exterior noise environment at the project site. No additional noise control measures would be required.

Proposed Commercial Uses

An outdoor plaza associated with the commercial retail use at the project site would be located just north of the ground floor retail use. Additionally, outdoor seating is proposed along the western façade of the retail use.

The center of the plaza would be set back approximately 45 feet from the centerline of Euclid Avenue. Due to the orientation of the building and the location of the plaza, this outdoor use area would be mostly shielded from traffic along U.S. Highway 101 and East Bayshore Road. Future exterior noise levels at the plaza would be 69 dBA CNEL.

The outdoor seating area would stretch along the eastern façade of the commercial retail use, with the center of the seating area located approximately 35 feet from the centerline of Euclid Avenue, approximately 135 feet from the centerline of Donohoe Street, and approximately 165 feet from the centerline of the nearest through lane of U.S. Highway 101 northbound. Future exterior noise levels at the courtyards would be 75 dBA CNEL.

Since the City does not have exterior thresholds for commercial retail uses, the proposed project would be compatible with the future exterior noise environment at the project site. No additional noise control measures would be required.

FIGURE 2 Proposed Site Plan

Future Interior Noise Environment

Proposed Residential Uses

Standard residential construction provides approximately 15 dBA of exterior-to-interior noise reduction, assuming the windows are partially open for ventilation. Standard construction with the windows closed provides approximately 20 to 25 dBA of noise reduction in interior spaces. Where exterior noise levels range from 60 to 65 dBA CNEL, the inclusion of adequate forced-air mechanical ventilation is often the method selected to reduce interior noise levels to acceptable levels by closing the windows to control noise. Where noise levels exceed 65 dBA CNEL, forced-air mechanical ventilation systems and sound-rated construction methods are normally required. Such methods or materials may include a combination of smaller window and door sizes as a

percentage of the total building façade facing the noise source, sound-rated windows and doors, sound rated exterior wall assemblies, and mechanical ventilation so windows may be kept closed at the occupant's discretion.

Residential units located along the southern façade of the south building would have direct exposure to traffic noise from U.S. Highway 101, with setbacks from the centerline of the nearest through lane would range from 145 to 265 feet. At these distances, residential units along the southern façade of the south building would be exposed to future exterior noise levels ranging from 71 to 75 dBA CNEL. Assuming windows to be partially open, future interior noise levels in the residential units would be up to 60 dBA CNEL.

Residential units located along the western façades of both buildings would have direct exposure to traffic noise along Euclid Avenue, with setbacks of 35 to 75 feet from the centerline. Additionally, these units would have some exposure to traffic noise along U.S. Highway 101, with setbacks ranging from 145 to 750 feet from the centerline of the nearest through lane. At these distances, residential units located along the western building façades of both proposed buildings would be exposed to future exterior noise levels ranging from 67 to 75 dBA CNEL. Assuming windows to be partially open, future interior noise levels in these units would range from 52 to 60 dBA CNEL.

Units located along the eastern façades of both buildings would have some exposure to traffic noise along U.S. Highway 101, with setbacks ranging from 265 to 850 feet from the centerline of the nearest through lane. These units would also have some exposure to traffic noise along nearby University Avenue, with setbacks from the centerline ranging from 210 to 370 feet. At these distances, residential units located along the eastern building façades of both proposed buildings would be exposed to future exterior noise levels ranging from 64 to 71 dBA CNEL. Assuming windows to be partially open, future interior noise levels in these units would range from 49 to 56 dBA CNEL.

To meet the interior noise requirements set forth by the City of East Palo Alto of 45 dBA CNEL, implementation of noise insulation features would be required.

Proposed Commercial Uses

The ground floor commercial retail uses would be located in the southwestern corner of the south mixed-use building. The southern façade of the retail use would be set back from the centerline of the nearest through lane of U.S. Highway 101 ranged from 145 to 180 feet, and the western façade of the retail use would be set back approximately 35 to 45 feet from the centerline of Euclid Avenue. At these distances, the ground floor commercial retail uses would be exposed to exterior daytime hourly average noise levels up to 73 dBA L_{eq}, with community noise equivalent level up to 75 dBA CNEL.

Standard construction materials for commercial uses would provide about 25 dBA of noise reduction in interior spaces. The inclusion of adequate forced-air mechanical ventilation systems is normally required so that windows may be kept closed at the occupant's discretion and would provide an additional 5 dBA reduction. The standard construction materials in combination with

forced-air mechanical ventilation would satisfy the City's daytime threshold of 45 dBA $L_{eq(12)}$ and the State's daytime threshold of 50 dBA L_{eq}.

Recommended Noise Insulation Features to Reduce Future Interior Noise Levels

The following noise insulation features shall be incorporated into the proposed project to reduce interior noise levels to 45 dBA CNEL or less at residential interiors:

- Provide a suitable form of forced-air mechanical ventilation, as determined by the local building official, for all residential units on the project site, so that windows can be kept closed at the occupant's discretion to control interior noise and achieve the interior noise standards.

- Preliminary calculations indicate that residential units located along the southern façade of the proposed south building would require windows and doors with a minimum rating of 35 STC with adequate forced-air mechanical ventilation to meet the interior noise threshold of 45 dBA CNEL. Units along the western and eastern façades located within 200 feet of the centerline of the nearest through lane of U.S. Highway 101 would require windows and doors with a minimum rating of 35 STC with adequate forced-air mechanical ventilation.

- The remaining units located along the western façade of the proposed buildings would require windows and doors with a minimum rating of 31 STC with adequate forced-air mechanical ventilation to meet the interior noise threshold of 45 dBA CNEL. Units along the eastern façades of the proposed buildings located between 200 and 300 feet of the centerline of the nearest through lane of U.S. Highway 101 would require windows and doors with a minimum rating of 31 STC with adequate forced-air mechanical ventilation.

- Units along the eastern façade located between 300 and 500 feet of the centerline of the nearest through lane of U.S. Highway 101 would require windows and doors with a minimum rating of 28 STC with adequate forced-air mechanical ventilation to meet the interior noise threshold of 45 dBA CNEL.

- All remaining units at the proposed buildings would require standard construction materials with the incorporation of a suitable form of forced-air mechanical ventilation to meet the 45 dBA CNEL threshold.

The implementation of these noise insulation features would reduce interior noise levels to 45 dBA CNEL or less at residential uses.

Conditions of Approval

The project applicant shall prepare final design plans that incorporate building design and acoustical treatments to ensure compliance with State Building Codes and City noise standards. A project-specific acoustical analysis shall be prepared to ensure that the design incorporates controls to reduce interior noise levels to 45 dBA CNEL or lower within the residential units. The applicant shall conform with any special building construction techniques requested by the City's Building

Department, which may include sound-rated windows and doors, sound-rated wall constructions, and acoustical caulking.

NOISE IMPACTS AND MITIGATION MEASURES

Significance Criteria

The following criteria were used to evaluate the significance of environmental noise resulting from the project:

(a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;

(b) Generation of excessive groundborne vibration or groundborne noise levels;

(c) For a project located within the vicinity of a private airstrip or an airport land use plan or where such a plan has not been adopted within two miles of a public airport or public use airport, if the project would expose people residing or working in the project area to excessive noise levels.

Impact 1a: **Temporary Construction Noise.** Construction of the proposed project would expose existing residential land uses located within 500 feet of the project site to a temporary increase in noise levels for a period of more than one year. With the incorporation of the City's standard controls into the project as a project condition of approval, this temporary noise impact would be reduced to a **less-than-significant** level.

The project will be constructed in two phases: Phase I would be completed between early January 2025 and early March 2026 (approximate 14-month period) and would include the construction of the mixed-use building on the southern portion of the site; and Phase II would be completed between end of March 2026 and end of May 2027 (approximate 14-month period). Total project construction would last for about 29 months, from start to finish. Construction phases would include demolition, site preparation, excavation/grading, trenching/foundation, building exterior, architectural coating, and paving. During each phase of construction, there would be a different mix of equipment operating, and noise levels would vary by phase and vary within phases, based on the amount of equipment in operation and the location at which the equipment is operating. The applicant proposes construction activities on weekdays between 7:00 a.m. and 6:00 p.m.

Noise impacts resulting from construction depend upon the noise generated by various pieces of construction equipment, the timing and duration of noise-generating activities, and the distance between construction noise sources and noise-sensitive areas. Construction noise impacts primarily result when construction activities occur during noise-sensitive times of the day (e.g., early morning, evening, or nighttime hours), the construction occurs in areas immediately adjoining noise-sensitive land uses, or when construction lasts over extended periods of time.

Section 15.04.125 of the City's Municipal Code limits construction activities to between 7:00 a.m. and 6:00 p.m. on weekdays and to between 9:00 a.m. and 5:00 p.m. on Saturdays. Construction activities are prohibited on Sundays and national holidays. During these allowable hours, construction noise would be exempt from the City's exterior and interior noise level standards at single- or multi-family residences, schools, hospitals, churches, and public libraries. Additionally, Policy 7.11 of the City's General Plan states that a significant construction noise impact would occur if substantial noise-generating construction activities (such as building demolition, grading, excavation, pile driving, use of impact equipment, or building framing) occur within 500 feet of residential uses or 200 feet of commercial or office uses for more than 12 months. Further, large complex projects would require a construction noise logistics plan that specifies hours of construction, noise and vibration minimization measures, posting or notification of construction schedules, and designation of a noise disturbance coordinator who would respond to neighborhood complaints to be in place prior to the start of construction and to be implemented during construction to reduce noise impacts on neighboring residents and other uses.

While the City of East Palo Alto does not establish noise level thresholds for construction activities, this analysis uses the noise limits established by the Federal Transit Administration (FTA) to identify the potential for impacts due to substantial temporary construction noise. The FTA identifies construction noise limits in the *Transit Noise and Vibration Impact Assessment Manual*.[6] During daytime hours, an exterior threshold of 80 dBA L_{eq} shall be enforced at residential land uses and 85 dBA L_{eq} shall be enforced at commercial land uses.

Construction activities generate considerable amounts of noise, especially during earth-moving activities when heavy equipment is used. The hauling of excavated materials and construction materials would generate truck trips on local roadways, as well. For the proposed project, pile driving is not proposed. The typical range of maximum instantaneous noise levels for the proposed project would be 70 to 90 dBA L_{max} at a distance of 50 feet (see Table 7) from the equipment.

Table 8 shows the hourly average noise level ranges, by construction phase, typical for various types of projects. Hourly average noise levels generated by construction are about 72 to 88 dBA L_{eq} for residential mixed-use buildings, measured at a distance of 50 feet from the center of a busy construction site. Construction-generated noise levels drop off at a rate of about 6 dBA per doubling of the distance between the source and receptor. Shielding by buildings or terrain often results in lower construction noise levels at distant receptors.

[6] Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, FTA Report No. 0123, September 2018.

TABLE 7 Construction Equipment 50-foot Noise Emission Limits

Equipment Category	L_{max} Level (dBA)[1,2]	Impact/Continuous
Arc Welder	73	Continuous
Auger Drill Rig	85	Continuous
Backhoe	80	Continuous
Bar Bender	80	Continuous
Boring Jack Power Unit	80	Continuous
Chain Saw	85	Continuous
Compressor[3]	70	Continuous
Compressor (other)	80	Continuous
Concrete Mixer	85	Continuous
Concrete Pump	82	Continuous
Concrete Saw	90	Continuous
Concrete Vibrator	80	Continuous
Crane	85	Continuous
Dozer	85	Continuous
Excavator	85	Continuous
Front End Loader	80	Continuous
Generator	82	Continuous
Generator (25 KVA or less)	70	Continuous
Gradall	85	Continuous
Grader	85	Continuous
Grinder Saw	85	Continuous
Horizontal Boring Hydro Jack	80	Continuous
Hydra Break Ram	90	Impact
Impact Pile Driver	105	Impact
Insitu Soil Sampling Rig	84	Continuous
Jackhammer	85	Impact
Mounted Impact Hammer (hoe ram)	90	Impact
Paver	85	Continuous
Pneumatic Tools	85	Continuous
Pumps	77	Continuous
Rock Drill	85	Continuous
Scraper	85	Continuous
Slurry Trenching Machine	82	Continuous
Soil Mix Drill Rig	80	Continuous
Street Sweeper	80	Continuous
Tractor	84	Continuous
Truck (dump, delivery)	84	Continuous
Vacuum Excavator Truck (vac-truck)	85	Continuous
Vibratory Compactor	80	Continuous
Vibratory Pile Driver	95	Continuous
All other equipment with engines larger than 5 HP	85	Continuous

Notes:

[1] Measured at 50 feet from the construction equipment, with a "slow" (1 sec.) time constant.

[2] Noise limits apply to total noise emitted from equipment and associated components operating at full power while engaged in its intended operation.

[3] Portable Air Compressor rated at 75 cfm or greater and that operates at greater than 50 psi.

TABLE 8 Typical Ranges of Construction Noise Levels at 50 feet, L_{eq} (dBA)

	Domestic Housing		Office Building, Hotel, Hospital, School, Public Works		Industrial Parking Garage, Religious Amusement & Recreations, Store, Service Station		Public Works Roads & Highways, Sewers, and Trenches	
	I	II	I	II	I	II	I	II
Ground Clearing	83	83	84	84	84	83	84	84
Excavation	88	75	89	79	89	71	88	78
Foundations	81	81	78	78	77	77	88	88
Erection	81	65	87	75	84	72	79	78
Finishing	88	72	89	75	89	74	84	84

I - All pertinent equipment present at site.
II - Minimum required equipment present at site.

Source: U.S.E.P.A., Legal Compilation on Noise, Vol. 1, p. 2-104, 1973.

According to the list of equipment provided by the applicant, the number of days for each stage of construction, the type of equipment, and the quantities of each equipment would be the same for Phases I and II. Equipment expected to be used in each construction stage are summarized in Table 9, along with the quantity of each type of equipment and the reference noise level at 50 feet, assuming the operation of the two loudest pieces of construction equipment for each construction phase.

Federal Highway Administration's (FHWA's) Roadway Construction Noise Model (RCNM) was used to calculate the hourly average noise levels for each phase of construction, assuming the two loudest pieces of equipment would operate simultaneously, as recommended by the FTA for construction noise evaluations. This construction noise model includes representative sound levels for the most common types of construction equipment and the approximate usage factors of such equipment that were developed based on an extensive database of information gathered during the construction of the Central Artery/Tunnel Project in Boston, Massachusetts (CA/T Project or "Big Dig"). The usage factors represent the percentage of time that the equipment would be operating at full power. Table 9 also summarizes the construction noise levels for the two loudest pieces of equipment propagated to the surrounding receiving land uses.

To assess construction noise impacts at the receiving property lines of existing noise-sensitive receptors, the worst-case hourly average noise level, which is calculated by combining all pieces of equipment per phase, was propagated from the geometrical center of the project site to the nearest property lines of the surrounding land uses. These noise level estimates are shown in Tables 10 and 11 for Phases I and II, respectively. Noise levels in Tables 10 and 11 do not assume reductions due to intervening buildings or existing barriers. Note, the residences south of U.S. Highway 101 would be well shielded from Phase II construction are not considered receptors.

TABLE 9 Estimated Construction Noise Levels for Phases I and II of the Proposed Project at a Distance of 50 feet

Phase of Construction	Total Number of Workdays	Construction Equipment (Quantity)	Estimated Construction Noise Level at 50 feet, dBA L_{eq}
Demolition	20	Concrete/Industrial Saw (1)[a] Excavator (3) Rubber-Tired Dozer (2)[a]	84
Site Preparation	10	Rubber-Tired Dozer (3)[a] Tractor/Loader/Backhoe (4)[a]	82
Grading/Excavation	20	Excavator (1) Grader (1)[a] Rubber-Tired Dozer (1) Tractor/Loader/Backhoe (3)[a]	84
Trenching/Foundation	20	Tractor/Loader/Backhoe (1)[a] Excavator (1)[a]	82
Building – Exterior	230	Crane (1) Forklift (3) Generator Set (1)[a] Tractor/Loader/Backhoe (3)[a] Welder (1)	82
Building – Interior	20	Air Compressor (1)[a]	74
Paving	20	Paver (2)[a] Paving Equipment (2)[a] Roller (2)	83

[a] Denotes two loudest pieces of construction equipment per phase.

TABLE 10 Estimated Construction Noise Levels for Phase I of the Proposed Project at the Property Lines of Receptors with Direct Line-of-Sight to Construction Activities on the Project Site

Phase	Calculated Hourly Average L_{eq}, dBA				
	West Res. & Comm. Uses (175ft)	North YMCA Facility (560ft)	East Bell Street Park (370ft)	East Gas Station (280ft)	South Res. (510ft)
Demolition	76	66	69	72	66
Site Preparation	77	67	70	73	67
Grading/Excavation	76	66	70	72	67
Trenching	71	61	64	67	62
Building-Exterior	75	65	69	71	66
Building-Interior/ Architectural Coating	63	53	56	59	54
Paving	76	66	69	72	66

TABLE 11 Estimated Construction Noise Levels for Phase II of the Proposed Project at the Property Lines of Receptors with Direct Line-of-Sight to Construction Activities on the Project Site

Phase	Calculated Hourly Average L_{eq}, dBA			
	West Res. & Comm. Uses (210ft)	North YMCA Facility (185ft)	East Bell Street Park (210ft)	East Gas Station (470ft)
Demolition	74	75	74	67
Site Preparation	75	76	75	68
Grading/Excavation	75	76	75	68
Trenching	69	70	69	62
Building-Exterior	74	75	74	67
Building-Interior/ Architectural Coating	61	62	61	54
Paving	74	75	74	67

As shown in Table 9, construction noise levels would intermittently range from 74 to 84 dBA L_{eq} when activities occur 50 feet from nearby receptors. When focused near the center of the project site, construction noise levels would typically range from 54 to 77 dBA L_{eq} at the surrounding residential land uses during Phase I and from 61 to 75 dBA L_{eq} at the east residences during Phase II. All residential uses would be 60 feet or more from the nearest construction activities, and at this distance, noise levels would range from 72 to 82 dBA L_{eq}, assuming the two loudest pieces of equipment. Therefore, construction noise would potentially exceed the exterior threshold of 80 dBA L_{eq} at residential land uses by up to 2 dBA.

When focused near the center of the project site, construction noise levels would typically range from 53 to 70 dBA L_{eq} at the surrounding park and YMCA uses during Phase I and from 61 to 76 dBA L_{eq} during Phase II. At the surrounding commercial uses and gas station, construction noise levels would typically range from 59 to 77 dBA L_{eq} during Phase I and from 54 to 75 dBA L_{eq} during Phase II. Construction noise is not expected to exceed the 85 dBA L_{eq} threshold at the nearest commercial land uses or the 90 dBA L_{eq} threshold at the nearby gas station.

The project site is located within 500 feet of existing residential uses and within 200 feet of existing nonresidential uses. Additionally, total construction is expected to last for a period of more than one year. The City's Standard Permit Conditions for Noise shall be incorporated into all project construction operations as a project condition of approval. These noise minimization measures include, but are not limited to, the following:

- Limit construction to the hours of 7:00 a.m. to 7:00 p.m. Monday through Friday for any on-site or off-site work within 500 feet of any residential unit. Construction outside of these hours may be approved through a development permit based on a site-specific "construction noise mitigation plan" and a finding by the Director of Planning, Building and Code Enforcement that the construction noise mitigation plan is adequate to prevent noise disturbance of affected residential uses.

- Construct solid plywood fences around ground level construction sites adjacent to operational businesses, residences, or other noise-sensitive land uses. A temporary 10-foot noise barrier would provide a minimum 6 dBA attenuation for adjacent sensitive land uses when construction activities occur at the ground level when the loudest equipment would be used (i.e., during demolition and grading phases).

- Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment.

- Prohibit unnecessary idling of internal combustion engines.

- Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from sensitive receptors. Construct temporary noise barriers to screen stationary noise-generating equipment when located near adjoining sensitive land uses.

- Utilize "quiet" air compressors and other stationary noise sources where technology exists.

- Control noise from construction workers' radios to a point where they are not audible at existing residences bordering the project site.

- Notify all adjacent business, residences, and other noise-sensitive land uses of the construction schedule, in writing, and provide a written schedule of "noisy" construction activities to the adjacent land uses and nearby residences.

- If complaints are received or excessive noise levels cannot be reduced using the measures above, erect a temporary noise control blanket barrier along surrounding building facades that face the construction sites.

- Designate a "disturbance coordinator" who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

With the implementation of GP Policy EC-1.7, Municipal Code requirements, and the above Standard Permit Conditions, the temporary construction noise impact would be reduced to a less-than-significant level.

Mitigation Measure 1a: No further mitigation required.

Impact 1b: Permanent Noise Level Increase/Exceed Applicable Standards. The proposed project would not result in a substantial permanent noise level increase at receptors in the project vicinity. Operational noise levels generated by the proposed project would not exceed the City's thresholds. This is a **less-than-significant** impact.

According to Policy 7.2 of the City's General Plan, a significant impact would occur if the future noise environment at noise-sensitive receptors would increase by 3 dBA CNEL or more over existing noise levels and would exceed the "normally acceptable" level of 65 for residences and parks or if the future noise environment would increase by 5 dBA CNEL or more over existing noise levels and would remain "normally acceptable."

Tables 4 and 5 of this report summarize the exterior and interior thresholds, respectively, at the surrounding receiving residential uses during daytime and nighttime hours depending on the number of cumulative minutes the noise source operates in a given hour.

For operations that occur for 30 minutes or more in a given hour (e.g., mechanical equipment), the exterior thresholds would be 55 dBA L_{50} during the daytime hours between 7:00 a.m. and 10:00 p.m. and 50 dBA L_{50} during the nighttime hours between 10:00 p.m. and 7:00 a.m. For operations that occur for more than 5 minutes but less than 15 minutes in a given hour (e.g., truck loading and unloading activities), the thresholds would be 65 dBA L_{08} during the daytime hours and 60 dBA L_{08} during the nighttime hours.

For noise sources operating for more than 5 minutes in a given hour, the interior thresholds at receiving residential uses would be 45 dBA L_{08} during daytime hours and 40 dBA L_{08} during nighttime hours.

Project Traffic Increase

The traffic study included peak hour turning movements for existing and existing plus project traffic volumes at 12 intersections in the vicinity of the project site. By comparing the existing plus project volumes to the existing volumes, the project's contribution to the overall noise increase is calculated. Table 12 summarizes the estimated noise level increase along each roadway segment included in the traffic report. As shown in Table 12, the project's contribution would be 1 dBA CNEL or less along all segments in the project vicinity. The project would not result in a permanent noise increase of 3 dBA CNEL or more at noise-sensitive receptors in the project vicinity.

TABLE 12 Estimated Noise Level Increases of Existing Plus Project Traffic Volumes Over Existing Volumes at Receptors in the Project Vicinity

Roadway	Segment	Estimated Noise Level Increase Over Existing Volumes, dBA CNEL
Euclid Avenue	North of East Bayshore Road/Donohoe Street	1
East Bayshore Road	West of Euclid Avenue	0
	South of Donohoe Street	0
Donohoe Street	Euclid Avenue to U.S. Highway 101 northbound on-ramp/Sobrato driveway (future)	0
	U.S. Highway 101 northbound on-ramp/Sobrato driveway (future) to University Avenue	0
	University Avenue to U.S. Highway 101 northbound off-ramp/University Plaza driveway	0
	U.S. Highway 101 northbound off-ramp/University Plaza driveway to Cooley Avenue	0
	Cooley Avenue to East Bayshore Road	0
	East of East Bayshore Road	0
University Avenue	North of Bay Road	0
	Bay Road to Runnymeade Street	0
	Runnymeade Street to Bell Street	0
	Bell Street to Donohoe Street	0
	Donohoe Street to U.S. Highway 101 southbound off-ramp	0
	U.S. Highway 101 southbound off-ramp to Woodland Avenue	0
	South of Woodland Avenue	0

Roadway	Segment	Estimated Noise Level Increase Over Existing Volumes, dBA CNEL
Bay Road	West of University Avenue	0
	East of University Avenue	0
Runnymeade Street	West of University Avenue	0
	East of University Avenue	0
Bell Street	West of University Avenue	0
	East of University Avenue	0
Woodland Avenue	West of University Circle	0
	University Circle to University Avenue	0
	East of University Avenue	0
University Circle	North of Woodland Avenue	0
Cooley Avenue	North of Donohoe Street	0

Mechanical Equipment

The site plan shows three transformers located along the eastern façade of the south building (one in the southeastern corner of the building and the other two in the northeastern corner) and three transformers located at the north building (one in the northwestern corner of the building and the other two in the southeastern corner). The project would also include heating, cooling, and ventilation (HVAC) units located on the rooftops of both buildings. Consistent with the current 2023 Title 24 Building Code, the project would include an air filtration/ventilation system rated MERV13 or higher.

Transformers up to 1,000 kVA typically generate noise levels up to 64 dB, as measured at 1 meter (about 3 feet). Assuming one to two transformers run continuously during daytime and nighttime hours, the community noise equivalent level would be 71 to 74 dBA CNEL, respectively, at a distance of about 3 feet.

Due to the location of the units, the west residences and the north YMCA facility would be shielded from all transformers except the unit in the northwest corner of the north building. The east Bell Street Park and east gas station would be exposed to some noise from all units except the unit in the northwest corner of the north building. The south residences would only be exposed to the unit located in the southwest corner of the south building due to the orientation of the buildings. Table 13 summarizes the transformer noise at the receptors with direct line-of-sight to the noise source, assuming no attenuation.

Noise levels generated by the ground-level transformers would not exceed ambient conditions or the City's 55 dBA daytime threshold or 50 dBA nighttime threshold at receiving residential property lines.

For all existing receptors, the noise level increase due to ground-level mechanical equipment noise would not be measurable or detectable (0 dBA CNEL increase).

TABLE 13 Estimated Transformer Noise Levels at Receiving Land Uses

Noise Sources		West Res. & Comm. Uses	North YMCA Facility	East Bell Street Park	East Gas Station	South Res.
South Building – southeast unit	Distance, feet	N/A	N/A	430	195	450
	Hourly Average L_{eq}, dBA			21	28	21
South Building – northeast units	Distance, feet	N/A	N/A	225	275	N/A
	Hourly Average L_{eq}, dBA			30	28	
North Building – southeast units	Distance, feet	N/A	N/A	190	340	N/A
	Hourly Average L_{eq}, dBA			31	26	
North Building – northwest unit	Distance, feet	75	90	N/A	N/A	N/A
	Hourly Average L_{eq}, dBA	36	35			
Total L_{eq}, dBA		**36**	**35**	**34**	**32**	**21**
Total CNEL, dBA		**43**	**41**	**40**	**39**	**27**
Permanent Noise Level Increase, dBA CNEL		**0**	**0**	**0**	**0**	**0**

Heating, ventilation, and air conditioning (HVAC) units are typically part of multi-family residential buildings. The roof plan shows HVAC units located a minimum of 25 to 30 feet from the nearest edge of the rooftop. At these distances, a minimum attenuation of 15 dBA for the ground-level receptors located within 100 feet of the project buildings (i.e., west residences, north YMCA facility, and east Bell Street Park) would occur. For the receptors located 200 feet or from the project buildings (i.e., east gas station and south residences), a minimum attenuation of 10 dBA would be applicable.

HVAC units typically cycle on and off continuously throughout a 24-hour period. This means that, at any given time, multiple units could be operating simultaneously in a relatively small vicinity of the rooftop. Typical residential HVAC units would generate noise ranging from 53 to 63 dBA at a distance of 3 feet. Assuming up to 10 HVAC units would operate simultaneously at any given time, combined noise levels generated by the rooftop HVAC equipment operating in the same general vicinity would be up to 73 dBA L_{eq} at 3 feet, and the combined community noise equivalent level would be 79 dBA DNL at 20 feet.

Table 14 summarizes the noise levels generated by the HVAC equipment propagated to the property lines of the surrounding receptors with the minimum attenuation applied based on the elevation and setbacks of the units.

TABLE 14 Estimated Operational Noise Levels for Rooftop Equipment

Receptor	Distance from Equipment, feet	Hourly L_{eq}, dBA	CNEL, dBA	Noise Level Increase, dBA CNEL
West Residences & Commercial Uses	90	29[a]	35[a]	0
North YMCA Facility	80	30[a]	36[a]	0
East Bell Street Park	35	37[a]	43[a]	0
East Gas Station	215	26[b]	33[b]	0
South Residences	335	22[b]	29[b]	0

[a] A conservative attenuation of 15 dBA is assumed for these receptors located within 100 feet of the proposed buildings due to the elevation of the rooftop equipment and the setbacks from the edge of a minimum 25 to 30 feet.
[b] A conservative attenuation of 10 dBA is assumed for these receptors located more than 200 feet of the proposed buildings due to the elevation of the rooftop equipment and the setbacks from the edge of a minimum 25 to 30 feet.

Based on the estimated noise levels in Table 14, noise levels generated by mechanical equipment on the rooftop would not exceed ambient noise level or the City's 55 dBA daytime threshold or 50 dBA nighttime threshold at receiving residential uses.

For all existing receptors, the noise level increase due to mechanical equipment noise located on the rooftop would not be measurable or detectable (i.e., 0 dBA CNEL increase).

Truck Loading and Unloading

The site plan shows temporary loading areas along Euclid Avenue to the west of both buildings. These would be used for residential move-in activities and potentially for retail deliveries. The commercial retail use would have regular weekly deliveries, while the residential move-in activities would be more sporadic. In a single day, it is assumed that up to two loading/unloading events would occur. It is also assumed that all loading/unloading activities would occur during daytime hours between 7:00 a.m. and 10:00 p.m.

Truck delivery noise would include maneuvering activities occurring at the loading zones, which include a combination of engine, exhaust, and tire noise, as well as the intermittent sounds of back-up alarms and releases of compressed air associated with truck/trailer air brakes. Typically, these trucks pull into the loading areas and turn off the engine to load/unload goods and then start the engine to pull back out. The total time for maneuvering at the project site's loading areas would average about 5 minutes. Moving companies and small commercial retail uses typically use medium-sized trucks that generate maximum noise levels typically ranging from 60 to 65 dBA at 50 feet. Assuming one delivery truck in a given hour, the hourly average noise level would be 54 dBA L_{eq} at 50 feet, and up to two deliveries in a day would result in a community equivalent noise level of 43 dBA CNEL at 50 feet.

Table 15 summarizes the noise levels generated by loading/unloading activities at the project site propagated to the property lines of the surrounding receptors with direct line-of-sight, which includes the receptors to the west, to the north, and to the south.

TABLE 15 Estimated Operational Noise Levels for Truck Loading and Unloading

Receptor	Distance from Equipment, feet	Hourly L_{eq}, dBA	CNEL, dBA	Noise Level Increase, dBA CNEL
West Residences & Commercial Uses	45	55	44	0
North YMCA Facility	200	42	31	0
South Residences	620	32	22	0

Based on the estimated noise levels in Table 15, noise levels generated by truck loading and unloading would not exceed ambient noise level or the City's 55 dBA daytime threshold at receiving residential uses.

For all existing receptors, the noise level increase due to truck loading and unloading activities would not be measurable or detectable (i.e., 0 dBA CNEL increase).

Total Combined Project-Generated Noise

The operational noise levels produced by the proposed project combined (i.e., traffic, mechanical equipment, truck loading and unloading) would result in an increase of 1 dBA CNEL or less at all existing noise-sensitive receptors in the project vicinity. Therefore, the proposed project would not result in a substantial increase over ambient noise levels in the project vicinity.

Operational noise levels due to mechanical equipment and truck loading and unloading at the proposed residential buildings would not exceed the City's 55 dBA daytime threshold or the City's 50 dBA CNEL nighttime threshold at the surrounding residential receptors. This is a less-than-significant impact.

Mitigation Measure 1b: None required.

Impact 2: Exposure to Excessive Groundborne Vibration. Construction-related vibration levels would not exceed applicable vibration thresholds at nearby sensitive land uses. This is a **less-than-significant** impact.

The construction of the project may generate perceptible vibration when heavy equipment or impact tools (e.g. jackhammers, hoe rams) are used. Construction activities would include site preparation work, foundation work, and new building framing and finishing. Pile driving equipment, which can cause excessive vibration, is not expected to be required for the proposed project.

The California Department of Transportation (Caltrans) recommends a vibration limit of 0.5 in/sec PPV for new residential and modern commercial/industrial structures, which typically consist of buildings constructed since the 1990s. A vibration limit of 0.3 in/sec PPV is used for older residential structures, which would apply to most structures built since the 1940s. For historical buildings or some older buildings, a vibration limit of 0.25 in/sec PPV would apply. These vibration limits are conservative and designed to provide protection for existing buildings in California. Vibration levels exceeding these thresholds would be capable of cosmetically damaging adjacent buildings. Cosmetic damage (also known as threshold damage) is defined as hairline cracking in plaster, the opening of old cracks, the loosening of paint, or the dislodging of loose objects. Minor damage is defined as hairline cracking in masonry or the loosening of plaster. Major structural damage is defined as wide cracking or the shifting of foundation or bearing walls.

The YMCA building is a commercial building built to modern construction standards and would be subject to the State's 0.5 in/sec PPV threshold. All other buildings surrounding the site would be subject to the conservative 0.3 in/sec PPV threshold. No known historical buildings are located within 200 feet of the project site boundaries.

Table 16 presents typical vibration levels that could be expected from construction equipment at a distance of 25 feet. Project construction activities, such as drilling, the use of jackhammers, rock drills and other high-power or vibratory tools, and rolling stock equipment (tracked vehicles, compactors, etc.), may generate substantial vibration in the immediate vicinity. Drilling typically generates vibration levels of 0.09 in/sec PPV at a distance of 25 feet.

Vibration levels would vary depending on soil conditions, construction methods, and equipment used. Table 16 also summarizes the distances to the 0.3 in/sec PPV threshold for older conventional buildings and to the 0.5 in/sec PPV threshold for newer buildings constructed to modern standards.

TABLE 16 Vibration Source Levels for Construction Equipment

Equipment		PPV at 25 ft. (in/sec)	Minimum Distance to Meet 0.3 in/sec PPV (feet)	Minimum Distance to Meet 0.5 in/sec PPV (feet)
Clam shovel drop		0.202	18	11
Hydromill (slurry wall)	in soil	0.008	1	<1
	in rock	0.017	2	2
Vibratory Roller		0.210	19	12
Hoe Ram		0.089	9	6
Large bulldozer		0.089	9	6
Caisson drilling		0.089	9	6
Loaded trucks		0.076	8	5
Jackhammer		0.035	4	4
Small bulldozer		0.003	<1	<1

Source: Transit Noise and Vibration Impact Assessment Manual, United States Department of Transportation, Office of Planning and Environment, Federal Transit Administration, September 2018, as modified by Illingworth & Rodkin, Inc., November 2024.

Vibration levels are highest close to the source and then attenuate with increasing distance at the rate $\left({}^{D_{ref}}/_{D}\right)^{1.1}$, where D is the distance from the source in feet and D_{ref} is the reference distance of 25 feet. While construction noise levels increase based on the cumulative equipment in use simultaneously, construction vibration levels would be dependent on the location of individual pieces of equipment. That is, equipment scattered throughout the site would not generate a collective vibration level, but a vibratory roller, for instance, operating near the project site boundary would generate the worst-case vibration levels for the receptor sharing that property line. Further, construction vibration impacts are assessed based on the potential for damage to buildings on receiving land uses, not at receptors at the nearest property lines.

All residences and commercial buildings to the west and residences to the south are located opposite roadways (i.e., Euclid Avenue and U.S. Highway 101, respectively), with the nearest buildings 50 to 325 feet from the nearest project site boundary. At these distances, vibration levels would be below 0.1 in/sec PPV. The YMCA building to the north and the gas station to the east are 70 to 180 feet from the nearest project site boundary. At these distances, vibration levels would be below 0.1 in/sec PPV.

Neither cosmetic, minor, or major damage would occur at buildings located 30 feet or more from the project site. At these locations, and in other surrounding areas where vibration would not be expected to cause cosmetic damage, vibration levels may still be perceptible. However, as with any type of construction, this would be anticipated and would not be considered significant, given the intermittent and short duration of the phases that have the highest potential of producing vibration (use of jackhammers and other high-power tools). By use of administrative controls, such as notifying neighbors of scheduled construction activities and scheduling construction activities with the highest potential to produce perceptible vibration during hours with the least potential to affect nearby businesses, perceptible vibration can be kept to a minimum.

In summary, the construction of the project would not generate vibration levels exceeding the applicable State thresholds at the nearest off-site building façades. This would be less-than-significant impact.

Mitigation Measure 2: **None required.**

Impact 3: **Excessive Aircraft Noise.** The project site is located more than one mile from a public airport or public use airport and would not expose people residing or working in the project area to excessive aircraft noise levels. This is a **less-than-significant** impact.

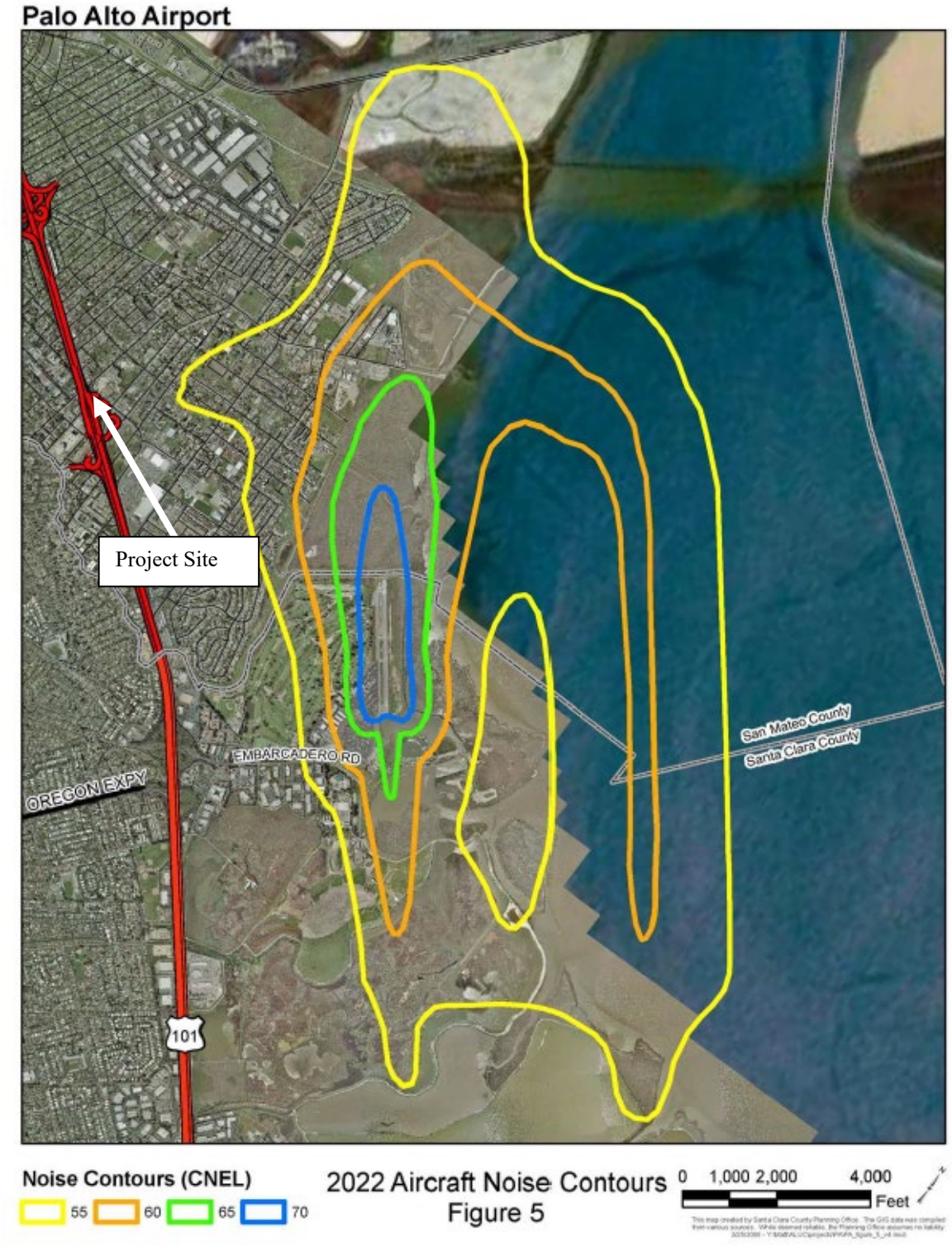
The Palo Alto Airport is a general aviation airport located approximately 1.3 miles east of the project site. The project site lies outside of the 55 dBA CNEL noise contour for 2022, as shown in Figure 3. This means aircraft noise associated with this airport would result in noise levels at or below 55 dBA CNEL by the year 2022. Aircraft noise levels are also well below ambient traffic noise levels produced by U.S. 101. The number of future flights is not expected to substantially increase above existing conditions. According to Table 4-1 of the Palo Alto Comprehensive Plan from 1998, residential buildings located outside the 55 dBA CNEL noise contour would be considered generally acceptable. Further, standard construction materials would achieve a 20 dBA exterior-to-interior noise reduction with the windows closed. Therefore, interior noise levels at the proposed buildings would be below the 45 dBA CNEL threshold.

Other airports in the vicinity of the project site include the Moffett Federal Airfield (more than 5.3 miles southeast), San José Mineta International Airport (more than 12.6 miles southeast), San Carlos Airport (more than 6.3 miles northwest), and San Francisco International Airport (15.4 miles northwest). The project site lies outside the areas of influence for each of the airports, and the noise environment at the site would not substantially increase due to aircraft noise from these airports.

Assuming standard construction materials for aircraft noise below 60 dBA CNEL, the future interior noise levels resulting from aircraft would be below 45 dBA CNEL. Therefore, future interior noise at the proposed building would be compatible with aircraft noise. This would be a less-than-significant impact.

Mitigation Measure 3: **None required.**

FIGURE 3 2022 CNEL Noise Contours for Palo Alto Airport Relative to Project Site



Cumulative Impacts

Cumulative noise impacts would include either cumulative traffic noise increases under future conditions or temporary construction noise from cumulative construction projects.

A significant cumulative traffic noise impact would occur if two criteria are met: 1) if the cumulative traffic noise level increase was 3 dBA CNEL or greater for future levels exceeding 65 dBA CNEL or was 5 dBA CNEL or greater for future levels at or below 65 dBA CNEL; and 2) if the project would make a "cumulatively considerable" contribution to the overall traffic noise increase. A "cumulatively considerable" contribution would be defined as an increase of 1 dBA CNEL or more attributable solely to the proposed project.

Cumulative traffic noise level increases were calculated by comparing the cumulative no project traffic volumes and the cumulative plus project volumes to existing traffic volumes. The estimated noise level increases under both scenarios are summarized in Table 17. A traffic noise increase of 3 dBA CNEL or more was calculated along several segments under both cumulative scenarios (i.e., no project and plus project): along Euclid Avenue, north of East Bayshore Road/Donohoe Street; along Bay Road, east of University Avenue; along Runnymede Street, east and west of University Avenue; and along Woodland Avenue, east of University Avenue. Since the same increase was calculated for both cumulative scenarios (i.e., no project and plus project), the project's contribution along these roadway segments would not be measurable or detectable (i.e., 0 dBA CNEL), which would not be considered a "cumulatively considerable" contribution. All other segments included in the traffic study would result in noise level increases of less than 3 dBA CNEL under cumulative conditions. Therefore, the project would not cause a significant cumulative noise increase at noise-sensitive uses in the project vicinity.

According to the City of East Palo Alto's website,[7] all planned or approved projects in the City would be located more than 1,000 feet from the project site. Therefore, construction of the proposed project would not share noise-sensitive receptors with any planned or approved project. This would be a less-than-significant cumulative construction impact.

[7] https://www.ci.east-palo-alto.ca.us/projects

TABLE 17 Estimated Noise Level Increases of Existing Plus Project Traffic Volumes Over Existing Volumes at Receptors in the Project Vicinity

Roadway	Segment	Estimated Noise Level Increase Over Existing Volumes, dBA CNEL		Project's Contribution to the Overall Increase
		Cumulative	Cumulative Plus Project	
Euclid Avenue	North of East Bayshore Road/Donohoe Street	**4**	**4**	0
East Bayshore Road	West of Euclid Avenue	1	1	0
	South of Donohoe Street	0	0	0
Donohoe Street	Euclid Avenue to U.S. Highway 101 northbound on-ramp/Sobrato driveway (future)	2	2	0
	U.S. Highway 101 northbound on-ramp/Sobrato driveway (future) to University Avenue	1	1	0
	University Avenue to U.S. Highway 101 northbound off-ramp/University Plaza driveway	0	0	0
	U.S. Highway 101 northbound off-ramp/University Plaza driveway to Cooley Avenue	0	0	0
	Cooley Avenue to East Bayshore Road	0	0	0
	East of East Bayshore Road	0	0	0
University Avenue	North of Bay Road	1	1	0
	Bay Road to Runnymeade Street	2	2	0
	Runnymeade Street to Bell Street	2	2	0
	Bell Street to Donohoe Street	1	1	0
	Donohoe Street to U.S. Highway 101 southbound off-ramp	1	1	0
	U.S. Highway 101 southbound off-ramp to Woodland Avenue	1	1	0

Roadway	Segment	Estimated Noise Level Increase Over Existing Volumes, dBA CNEL		Project's Contribution to the Overall Increase
		Cumulative	Cumulative Plus Project	
	South of Woodland Avenue	0	1	1
Bay Road	West of University Avenue	2	2	0
	East of University Avenue	**4**	**4**	0
Runnymeade Street	West of University Avenue	**5**	**5**	0
	East of University Avenue	**4**	**4**	0
Bell Street	West of University Avenue	1	1	0
	East of University Avenue	0	0	0
Woodland Avenue	West of University Circle	1	1	0
	University Circle to University Avenue	2	2	0
	East of University Avenue	**3**	**3**	0
University Circle	North of Woodland Avenue	2	2	0
Cooley Avenue	North of Donohoe Street	0	0	0

APPENDIX A

FIGURE A1 Daily Trend in Noise Levels for LT-1, Tuesday, November 12, 2024

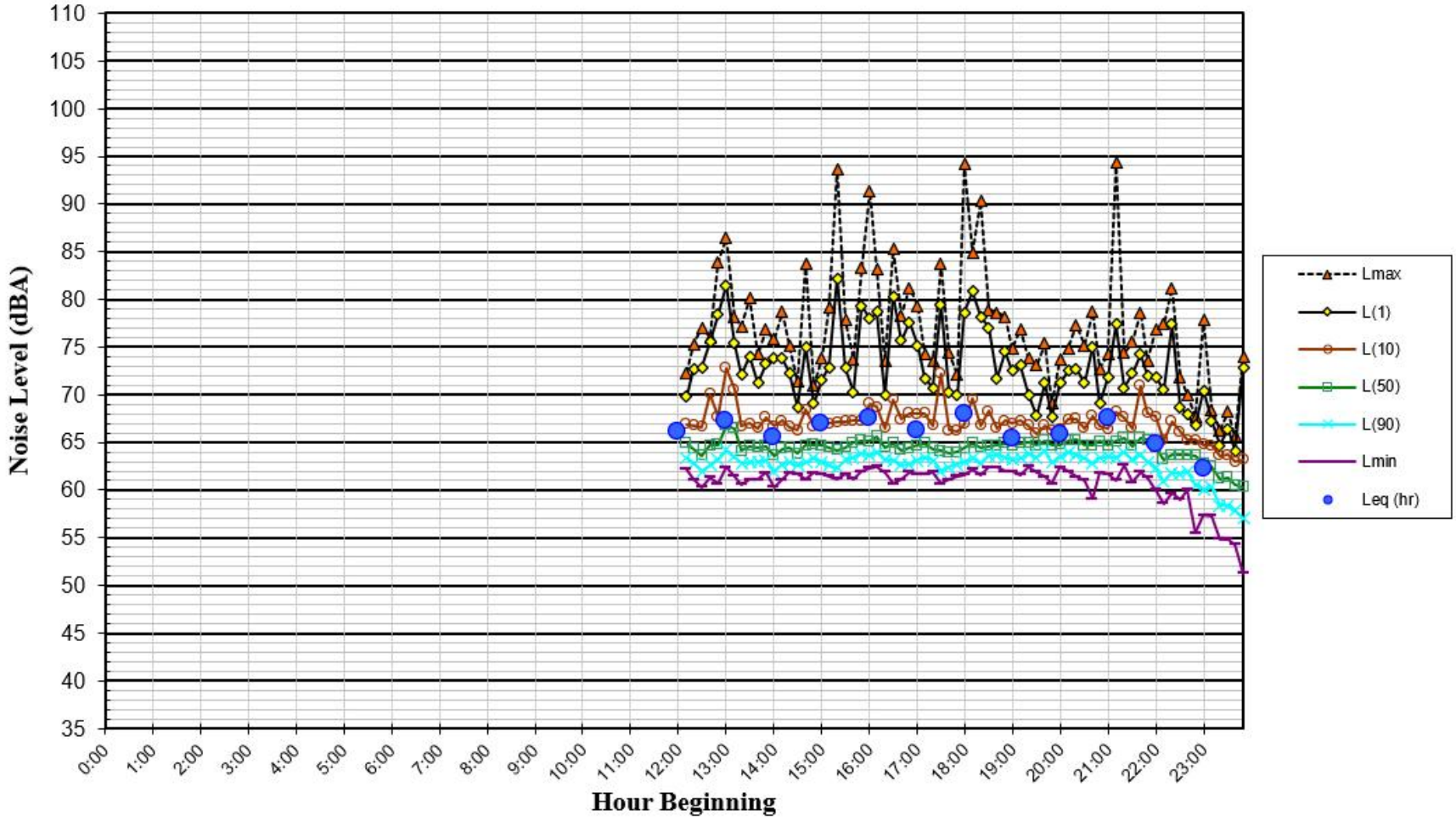


FIGURE A2 Daily Trend in Noise Levels for LT-1, Wednesday, November 13, 2024

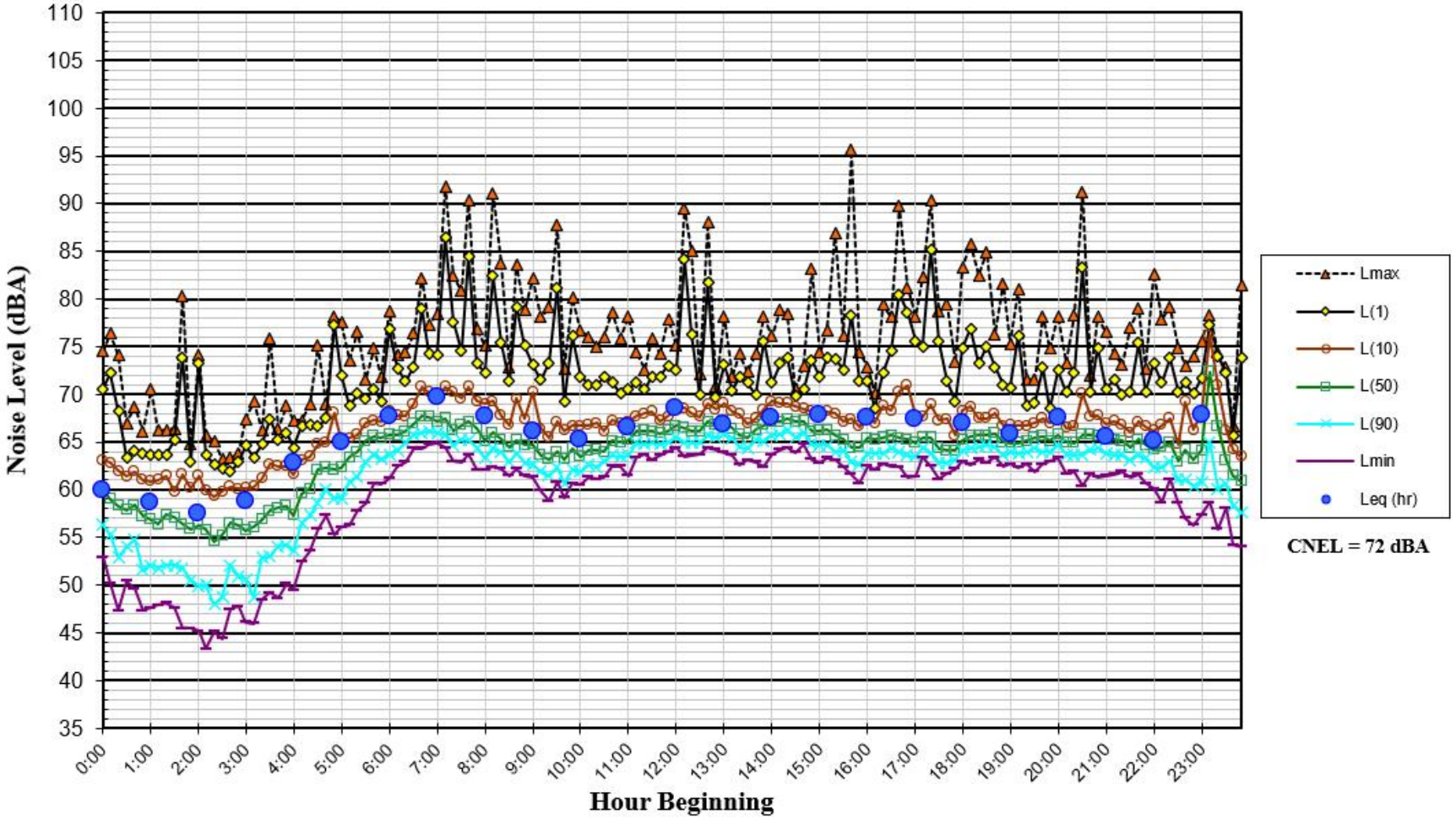


FIGURE A3 Daily Trend in Noise Levels for LT-1, Thursday, November 14, 2024

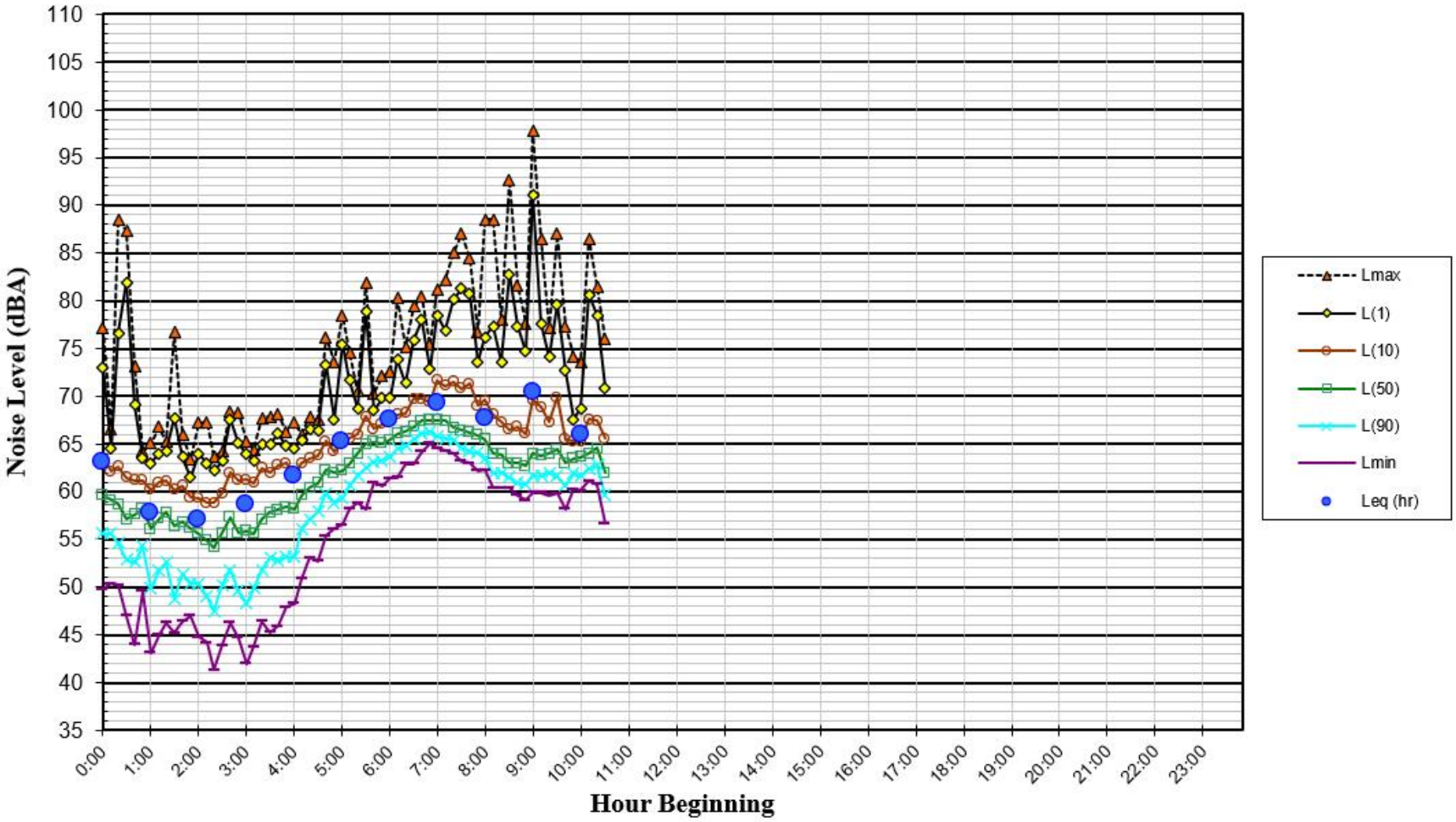


FIGURE A4 Daily Trend in Noise Levels for LT-2, Tuesday, November 12, 2024

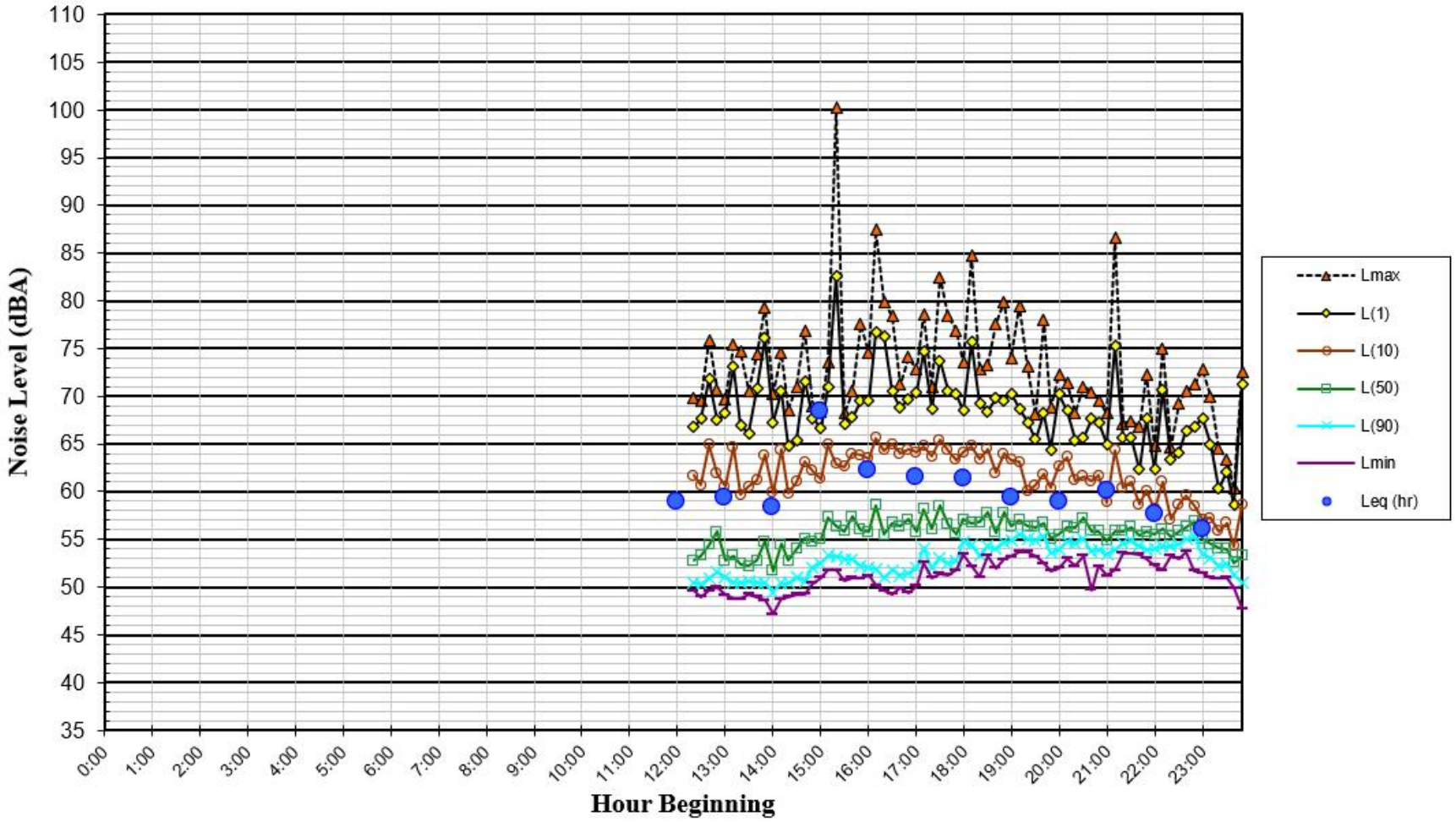


FIGURE A5 Daily Trend in Noise Levels for LT-2, Wednesday, November 13, 2024

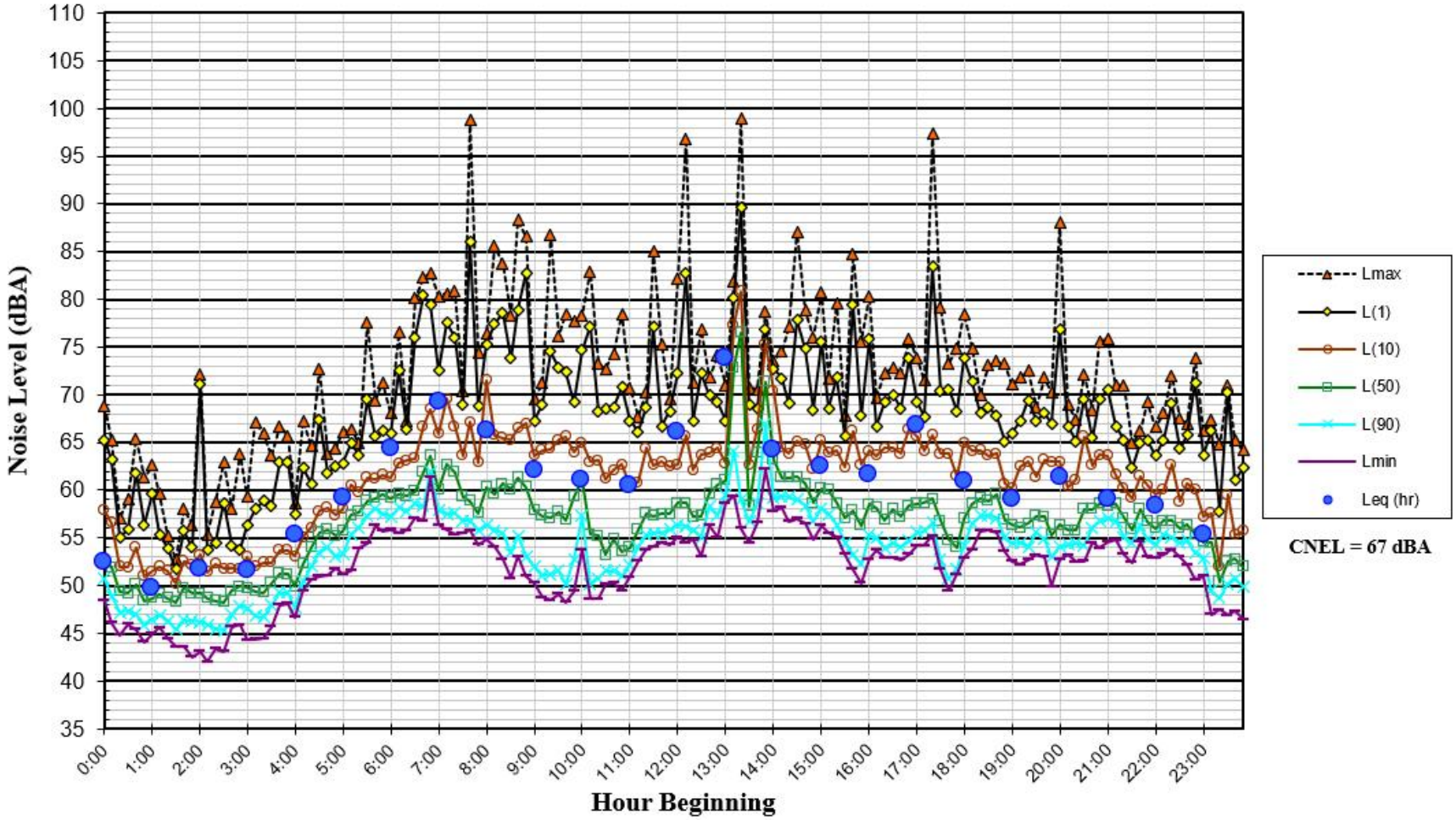


FIGURE A6 Daily Trend in Noise Levels for LT-2, Thursday, November 14, 2024

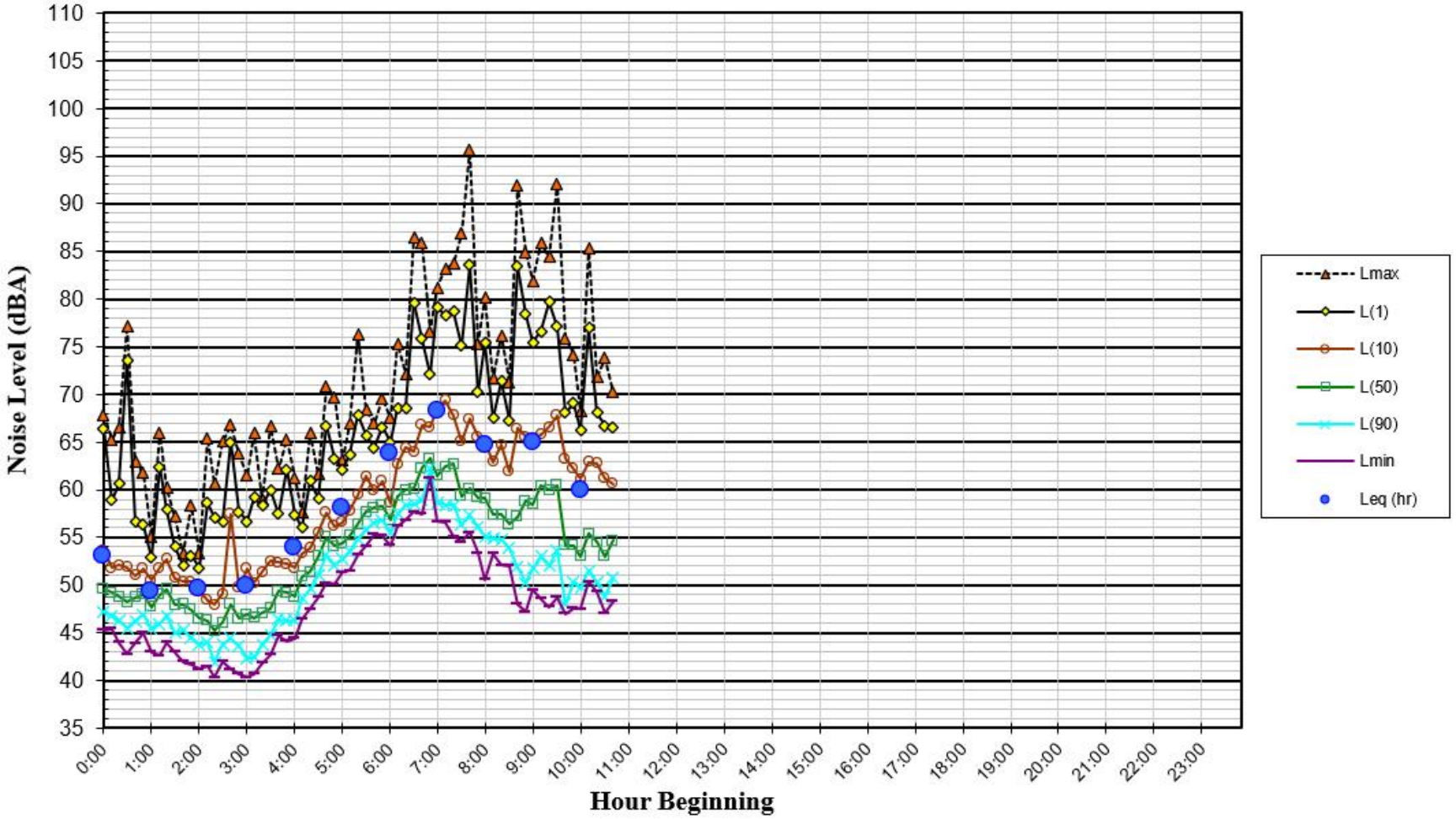


FIGURE A7 Daily Trend in Noise Levels for LT-3, Tuesday, November 12, 2024

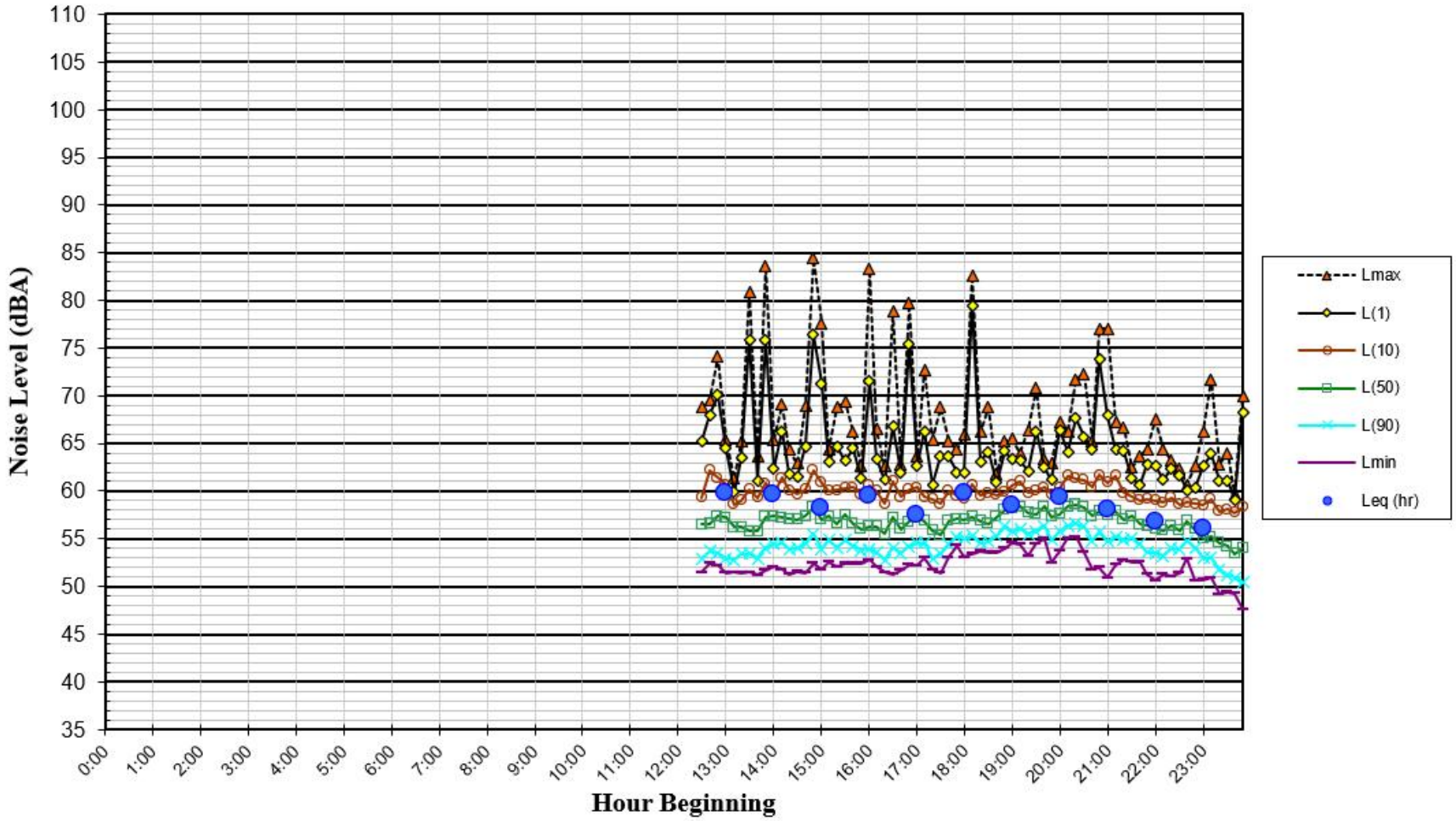


FIGURE A8 Daily Trend in Noise Levels for LT-3, Wednesday, November 13, 2024

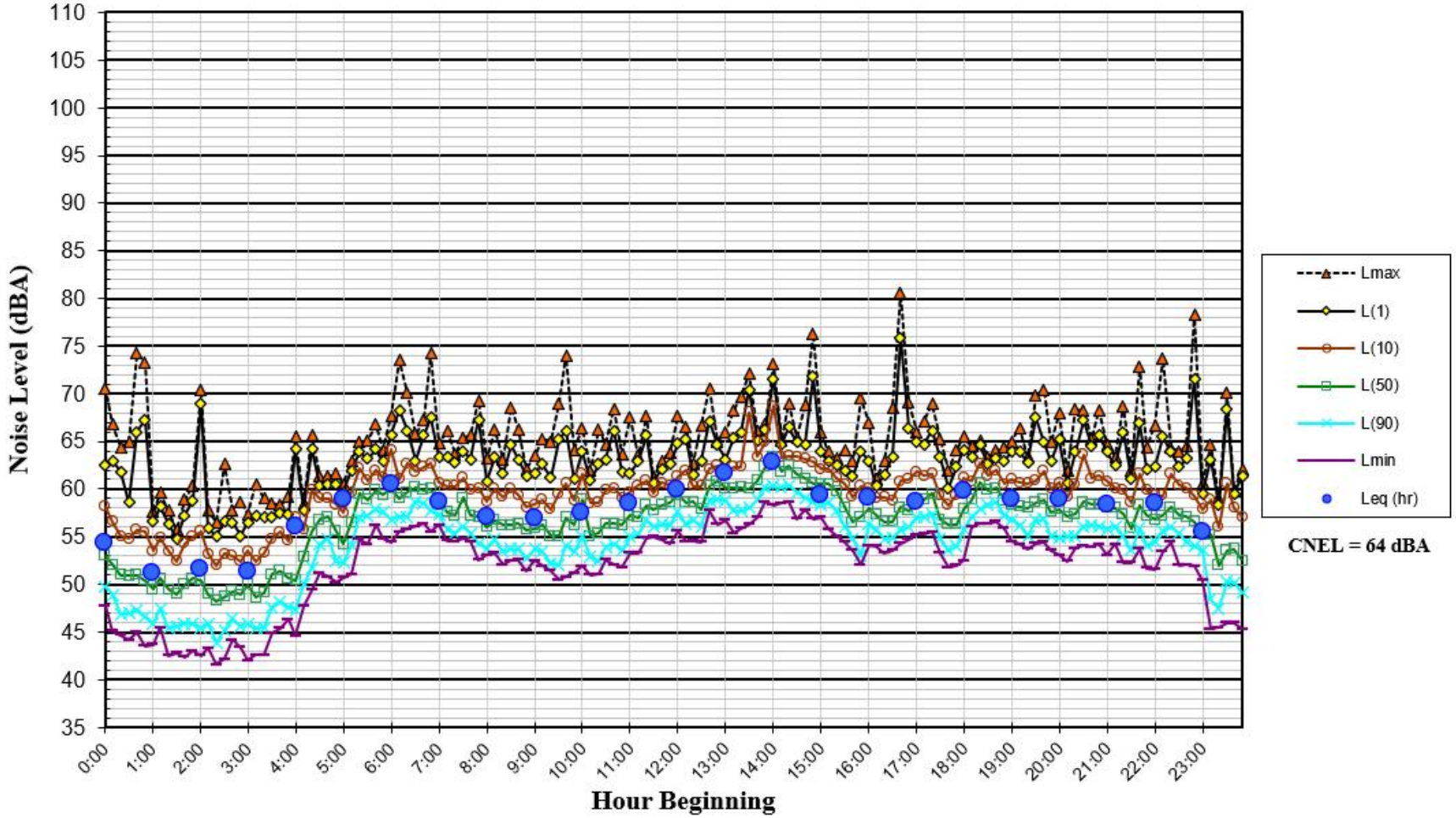
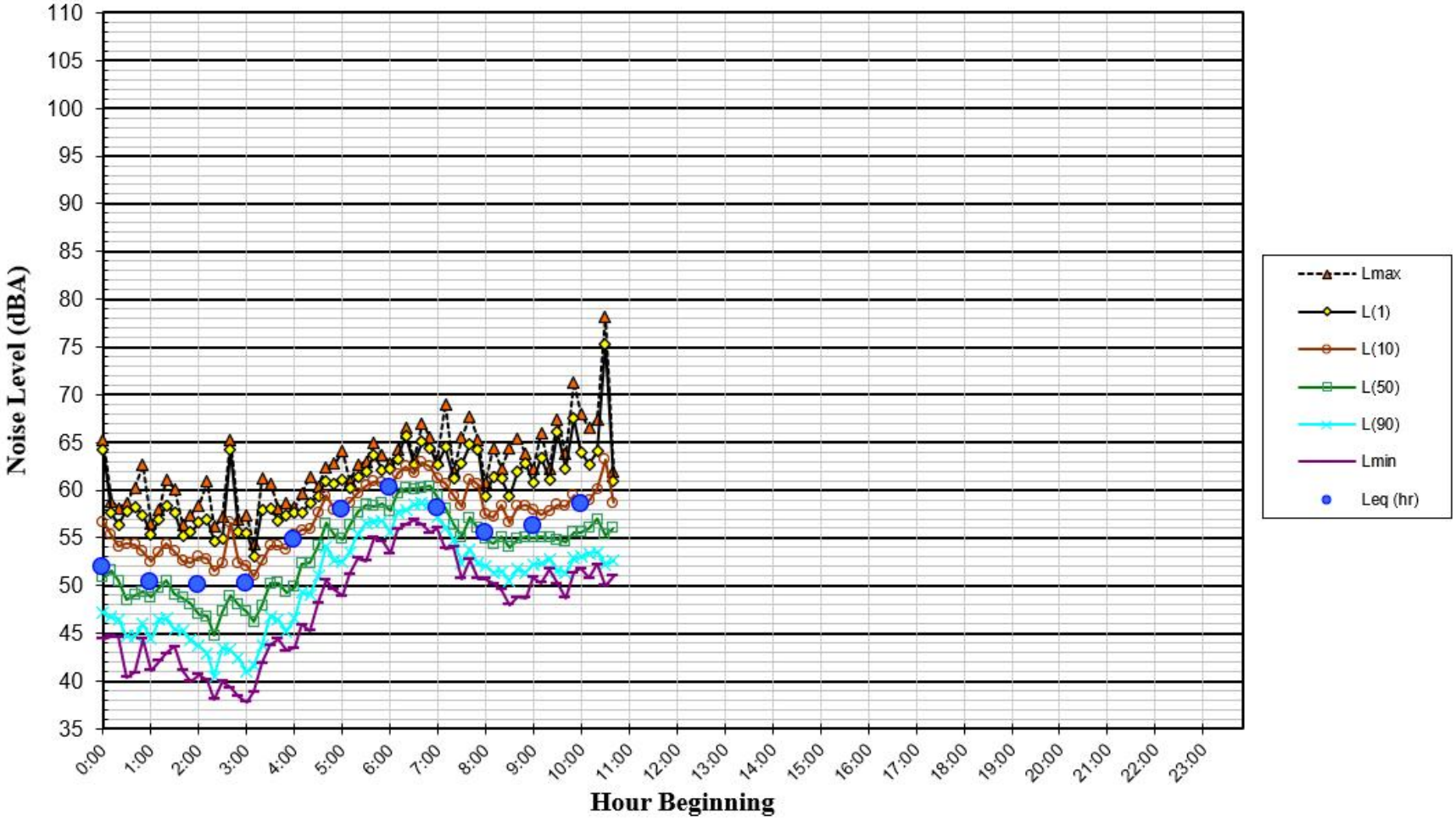


FIGURE A9 Daily Trend in Noise Levels for LT-3, Thursday, November 14, 2024



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M E M O

Date: July 16, 2026

To: Carolyn Mogollon, AICP
Project Manager, David J. Powers & Associates, Inc.

From: Carrie J. Janello
Senior Consultant, Illingworth & Rodkin, Inc.

SUBJECT: 2120-2160 Euclid Avenue Project, East Palo Alto, CA – Addendum Letter to the Noise and Vibration Assessment

The March 2025[1] noise and vibration assessment prepared for the 2120-2160 Euclid Avenue Project evaluated two five-story buildings containing a total of 430 residential units and 2,840 square feet of retail uses. The updated project would increase the height of the buildings to six floors and would reduce the proposed retail space to 2,074 square feet on the ground floor. The mixed-use building would include 220 residential units, and the residential-only building would include 210 units. Parking would be provided in the mixed-use building as a one-level at-grade parking garage wrapped with residential units and in a three-level above-grade parking garage wrapped by residential units.

The purpose of this addendum letter is to address changes to the March 2025 noise and vibration assessment based on the updated project design.

Plan Consistency Analysis – Noise and Land Use Compatibility

Future Exterior Noise Environment

All common outdoor use areas associated with the updated project would be located on levels 2 and 4, which are shown in Figures 1 and 2, respectively.

[1] Illingworth & Rodkin, Inc., 2120-2160 Euclid Avenue Noise and Vibration Assessment, March 28, 2025.

FIGURE 1 Aerial Image of the Project Site Showing the Level 2 Outdoor Use Areas

Source: Google Earth 2026.

FIGURE 2 Aerial Image of the Project Site Showing the Level 4 Outdoor Use Areas

Source: Google Earth 2026.

The original project included three residential courtyards located on the ground level, completely surrounded by the proposed buildings. The updated project includes four courtyards on the second level (two in each building), which would also be completely surrounded by the buildings. Future exterior noise levels at the courtyards would be below 65 dBA CNEL.

Additionally, the updated project includes a second-level courtyard in the mixed-use building located along the western building façade, facing Euclid Avenue. The center of this courtyard would be set back approximately 65 feet from the centerline of Euclid Avenue. Due to the orientation of the proposed building, the southern façade partially shields the courtyard from U.S. Highway 101 (U.S. 101) traffic noise, as does the second-level courtyard's elevation above ground. Future exterior noise levels at the second-level courtyard along the western façade of the mixed-use building would be 70 dBA CNEL, which exceeds the City's 65 dBA CNEL normally acceptable limit.

The updated site plan shows three additional courtyards on level 4, two of which would be located on the interior of the residential building and adequately shielded from all surrounding traffic noise sources. Future exterior noise levels at these interior courtyards would be below 65 dBA CNEL. The fourth-level courtyard on the northern façade of the residential-only building would be completely shielded from U.S. 101 and Euclid Avenue and partially shielded from University Avenue. At approximately 330 feet from the centerline of University Avenue, and assuming partial shielding, future exterior noise levels would be below 65 dBA CNEL.

Recommended Noise Control Features to Reduce Future Exterior Noise Levels

Methods available to reduce exterior noise levels at outdoor use areas include site planning alternatives (e.g., increased setbacks and using the proposed buildings as noise barriers), the construction of traditional noise barriers or earth berms, or a combination of the above. Assuming relocating the second-level courtyard facing Euclid Avenue to a location shielded from surrounding traffic noise is not feasible, the optimal noise-control measure to reduce future exterior noise levels is to construct a sound barrier along the western edge of the courtyard. The recommended barrier shall be continuous from grade to top, with no cracks or gaps, and shall have a minimum surface density of three lbs./ft^2. To maintain aesthetic appeal, ½-inch laminated glass would be recommended for this courtyard. With the minimum barrier height of 5 feet above the ground of the courtyard, future exterior noise levels at the center of the courtyard would be reduced to 65 dBA CNEL, which would meet the City's normally acceptable exterior noise limit.

The final recommendations for noise control features shall be confirmed once detailed site and grading plans are available.

Future Interior Noise Environment

The building façade setbacks would not change with respect to the surrounding roadways. Therefore, the future interior noise environment for the updated project would be consistent with the original project.

Impact 1a (Construction Noise)

Similar to the original project, the updated project would be constructed in two phases: Phase I would be completed between early June 2027 and early October 2028 (approximate 16-month period) and would include the construction of the mixed-use building on the southern portion of the site; and Phase II would be completed between early October 2028 and the end of February 2030 (approximate 17-month period). Total project construction would last for about 33 months, from start to finish. Construction phases would include demolition, site preparation, excavation/grading, trenching/foundation, building exterior, architectural coating, and paving. During each phase of construction, there would be a different mix of equipment operating, and noise levels would vary by phase and vary within phases, based on the amount of equipment in operation and the location at which the equipment is operating. The applicant proposes construction activities on weekdays between 7:00 a.m. and 6:00 p.m. and between 9:00 a.m. and 5:00 p.m. on Saturdays.

The applicant has indicated some slight changes to the type and quantity of equipment under updated project conditions. These are summarized in Table 1. Federal Highway Administration's (FHWA's) Roadway Construction Noise Model (RCNM) was used to calculate the hourly average noise levels for each phase of construction, assuming the two loudest pieces of equipment would operate simultaneously, as recommended by the FTA for construction noise evaluations. This construction noise model includes representative sound levels for the most common types of construction equipment and the approximate usage factors of such equipment that were developed based on an extensive database of information gathered during the construction of the Central Artery/Tunnel Project in Boston, Massachusetts (CA/T Project or "Big Dig"). The usage factors represent the percentage of time that the equipment would be operating at full power. Table 1 also summarizes the construction noise levels for the two loudest pieces of equipment at 50 feet.

Construction noise levels were also assessed at the receiving property lines of existing noise-sensitive receptors, assuming the worst-case hourly average noise level, which is calculated by combining all pieces of equipment per phase. The worst-hour construction noise level is then propagated from the geometrical center of the proposed buildings to the nearest receiving property lines. Construction noise levels estimated at the receiving property lines are shown in Tables 2 and 3 for Phases I and II, respectively. Noise levels in Tables 2 and 3 do not assume reductions due to intervening buildings or existing barriers. Note that the residences south of U.S. Highway 101, which would be well shielded from Phase II construction, are not considered receptors.

TABLE 1 Construction Noise Levels for Phases I and II of the Proposed Project at a Distance of 50 feet

Phase of Construction	Total Number of Workdays	Construction Equipment (Quantity)	Construction Noise Level at 50 feet, dBA L_{eq}
Phase I			
Demolition	20	Concrete/Industrial Saw (1)[a] Excavator (2) Rubber-Tired Dozer (2)[a]	84
Site Preparation	10	Grader (1)[a] Rubber-Tired Dozer (3) Tractor/Loader/Backhoe (2)[a]	84
Grading/Excavation/ Underground	20	Excavator (1) Grader (1)[a] Rubber-Tired Dozer (1) Tractor/Loader/Backhoe (3) [a]	84
Trenching/Foundation	20	Tractor/Loader/Backhoe (1)[a] Excavator (1)[a]	82
Building – Exterior	230	Crane (1) Forklift (3) Generator Set (1) [a] Tractor/Loader/Backhoe (3)[a] Welder (1)	82
Building – Interior	20	Air Compressor (1)[a]	74
Paving	20	Paver (1)[a] Paving Equipment (1)[a] Roller (1)	83
Phase II			
Demolition	20	Concrete/Industrial Saw (1)[a] Excavator (3) Rubber-Tired Dozer (2)[a]	84
Site Preparation	10	Rubber-Tired Dozer (2)[a] Tractor/Loader/Backhoe (3)[a]	82
Grading/Excavation	20	Excavator (1) Grader (1)[a] Rubber-Tired Dozer (1) Tractor/Loader/Backhoe (2) [a]	84
Trenching/Foundation	20	Tractor/Loader/Backhoe (1)[a] Excavator (2)[a]	82
Building – Exterior	230	Crane (1) Forklift (3) Generator Set (1) [a] Tractor/Loader/Backhoe (3)[a] Welder (1)	82
Building – Interior	20	Air Compressor (1)[a]	74
Paving	20	Paver (1)[a] Paving Equipment (2)[a] Roller (1)	83

[a] Denotes two loudest pieces of construction equipment per phase.

TABLE 2 Construction Noise Levels for Phase I of the Proposed Project at the Property Lines of Receptors with Direct Line-of-Sight to Construction Activities on the Project Site

Phase	Calculated Hourly Average L_{eq}, dBA				
	West Res. & Comm. Uses (175ft)	North YMCA Facility (560ft)	East Bell Street Park (370ft)	East Gas Station (280ft)	South Res. (510ft)
Demolition	75	65	69	71	66
Site Preparation	76	66	70	72	67
Grading/Excavation/ Underground	76	66	70	72	67
Trenching	71	61	64	67	62
Building-Exterior	75	65	69	71	66
Building-Interior/ Architectural Coating	63	53	56	59	54
Paving	73	63	66	69	63

TABLE 3 Construction Noise Levels for Phase II of the Proposed Project at the Property Lines of Receptors with Direct Line-of-Sight to Construction Activities on the Project Site

Phase	Calculated Hourly Average L_{eq}, dBA			
	West Res. & Comm. Uses (210ft)	North YMCA Facility (185ft)	East Bell Street Park (210ft)	East Gas Station (470ft)
Demolition	74	75	74	67
Site Preparation	74	75	74	67
Grading/Excavation	74	75	74	67
Trenching	70	72	70	63
Building-Exterior	74	75	74	67
Building-Interior/ Architectural Coating	61	62	61	54
Paving	74	75	74	67

As shown in Table 1, construction noise levels would intermittently range from 74 to 84 dBA L_{eq} when activities occur 50 feet from nearby receptors, which is consistent with the original project. When focused near the center of Phase I, construction noise levels would typically range from 54 to 76 dBA L_{eq} at the surrounding residential land uses, which is 1 dBA lower than the original project. During Phase II, construction noise levels would range from 61 to 74 dBA L_{eq} at the east residences, which is 1 dBA lower than the original project. All residential uses would be 60 feet or more from the nearest construction activities, and at this distance, noise levels would range from 72 to 82 dBA L_{eq}, assuming the two loudest pieces of equipment. This is consistent with the original project.

When focused near the center of the project buildings, construction noise levels would typically range from 53 to 70 dBA L_{eq} at the surrounding park and YMCA uses during Phase I and from 61 to 75 dBA L_{eq} during Phase II. At the surrounding commercial uses and gas station, construction noise levels would typically range from 59 to 76 dBA L_{eq} during Phase I and from 54 to 74 dBA L_{eq} during Phase II. This is consistent with or 1 dBA lower than the original project.

Therefore, no new temporary noise impact would occur with the updated project. The incorporation of the City's Conditions for Noise, which are consistent with the original project, as project conditions of approval would reduce noise from construction activities near sensitive land uses:

- Limit construction to the hours of 7:00 a.m. to 6:00 p.m. Monday through Friday and Saturdays and holidays between 9:00 a.m. and 5:00 p.m., with no construction on Sundays, for any on-site or off-site work within 500 feet of any residential unit. Construction outside of these hours may be approved through a development permit based on a site-specific "construction noise mitigation plan" and a finding by the Director of Community Development that the construction noise mitigation plan is adequate to prevent noise disturbance of affected residential uses.

- Utilize "quiet" air compressors and other stationary noise sources where technology exists.

- Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment.

- Prohibit unnecessary idling of internal combustion engines.

- Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from sensitive receptors.

- Locate staging areas and construction material areas as far away as possible from adjacent land uses.

- Prohibit all unnecessary idling of internal combustion engines.

- Designate a "disturbance coordinator" who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause

of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

- Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction.

Implementation of the above measures as project conditions of approval would reduce construction noise levels emanating from the site, limit construction hours, and minimize disruption and annoyance. With the implementation of these measures and recognizing that noise generated by construction activities would occur over a temporary period, the impact would be reduced to a less-than-significant level. This finding remains consistent with the original approved project.

Impact 1b (Permanent Noise Level Increase/Exceed Applicable Standards)

According to Policy 7.2 of the City's General Plan, a significant impact would occur if the future noise environment at noise-sensitive receptors would increase by 3 dBA CNEL or more over existing noise levels and would exceed the "normally acceptable" level of 65 for residences and parks or if the future noise environment would increase by 5 dBA CNEL or more over existing noise levels and would remain "normally acceptable."

For operations that occur for 30 minutes or more in a given hour (e.g., mechanical equipment), the exterior thresholds would be 55 dBA L_{50} during the daytime hours between 7:00 a.m. and 10:00 p.m. and 50 dBA L_{50} during the nighttime hours between 10:00 p.m. and 7:00 a.m. For operations that occur for more than 5 minutes but less than 15 minutes in a given hour (e.g., truck loading and unloading activities), the thresholds would be 65 dBA L_{08} during the daytime hours and 60 dBA L_{08} during the nighttime hours.

For noise sources operating for more than 5 minutes in a given hour, the interior thresholds at receiving residential uses would be 45 dBA L_{08} during daytime hours and 40 dBA L_{08} during nighttime hours.

Athletic Court Noise

The updated project includes a new athletic court in the northeast corner of the site, within Bell Street Park. For the purpose of this analysis, it is assumed that the court would be used for basketball. Noise associated with the basketball court use would be similar to or less than the existing noise levels from other park facilities on-site and would not result in a significant change in noise levels compared to existing conditions.

Project Traffic Increase

The updated project would not result in any changes to the traffic distribution numbers from the original project. Therefore, the project's permanent noise contribution due to traffic would be consistent with the original project, which resulted in a 1 dBA CNEL or less increase along all

segments in the project vicinity. The project would not result in a permanent noise increase of 3 dBA CNEL or more at noise-sensitive receptors in the project vicinity. This is consistent with the original project.

Mechanical Equipment

The updated site plan shows new locations for the ground-level transformers; a fire pump, water pump, and emergency generator rooms located within the ground-level parking garage; new wall-mounted heating, ventilation, and air conditioning (HVAC) units located within each residential unit; and new solar battery would be located in utility rooms on the first floor of each building. The new configuration of transformers is included in this analysis, as well as the other ground-level equipment located within the garage. However, the wall-mounted interior HVAC units and solar batteries would not be audible at the property lines of the project site. Therefore, this equipment would not exceed ambient noise levels or City noise limits at receiving property lines and would be consistent with the original project conclusions.

Transformers

The mixed-use building on the south side of the project site would have all three transformers in the building's southeast corner. Two transformers would be located in the northwest corner of the residential-only building (i.e., the north building) and one transformer would be located in the southeast corner of the residential-only building.

Transformers up to 1,000 kVA typically generate noise levels up to 64 dB, as measured at 1 meter (about 3 feet). Assuming one to three transformers run continuously during daytime and nighttime hours, the community noise equivalent level would be 71 to 75 dBA CNEL, respectively, at a distance of about 3 feet.

Due to the location of the units, the west residences and the north YMCA facility would be shielded from all transformers except the units in the northwest corner of the north building. Bell Street Park and the gas station would be shielded from all units located on the eastern building façades. The south residences would be shielded from all units located at the north building. Table 4 summarizes the transformer noise at the receptors with direct line-of-sight to the noise source, assuming no attenuation.

Noise levels generated by the ground-level transformers would not exceed ambient conditions or the City’s 55 dBA daytime threshold or 50 dBA nighttime threshold at receiving residential property lines.

For all existing receptors, the noise level increase due to ground-level mechanical equipment noise would not be measurable or detectable (0 dBA CNEL increase).

TABLE 4 Operational Noise Levels Due to Ground-Level Transformers at Receiving Land Uses

Noise Sources		West Res. & Comm. Uses	North YMCA Facility	East Bell Street Park	East Gas Station	South Res.
South Building – southeast units	Distance, feet	N/A	N/A	430	195	450
	Hourly Average L_{eq}, dBA			26	33	25
North Building – southeast unit	Distance, feet	N/A	N/A	190	340	N/A
	Hourly Average L_{eq}, dBA			28	23	
North Building – northwest units	Distance, feet	75	90	N/A	N/A	N/A
	Hourly Average L_{eq}, dBA	39	38			
Total L_{eq}, dBA		**39**	**38**	**30**	**33**	**25**
Total CNEL, dBA		**46**	**44**	**37**	**40**	**32**
Permanent Noise Level Increase, dBA CNEL		**0**	**0**	**0**	**0**	**0**

Ground-Level Garage Equipment

Fire pumps and water pumps located within rooms of the garages in both buildings would produce noise; however, the building would provide adequate shielding such that the ambient noise levels at the surrounding noise-sensitive receptors and the City's noise limits would not be exceeded.

Additionally, the site plan shows an emergency generator room in the garage of each building: in the northwest corner of the north building and in the northeast corner of the south building. The specific model and capacity have not been determined at this point in the planning process; however, the applicant has indicated that diesel generators would be used at the project site. Diesel generators with capacities of 900 kW are assumed for residential buildings of this size. Such generators would likely produce noise levels of about 88 dBA at 23 feet.

Typically, the continuous operation of generators under emergency situations would be exempt from the City's noise limits. However, emergency generators are typically tested for 30 minutes to an hour each month. During these testing periods, operation of the emergency generators would be subject to the City's noise limits. Assuming both generators would be tested in the same 24-hour period between the hours of 7:00 a.m. and 7:00 p.m., the community noise equivalent hour would be 77 dBA CNEL at 23 feet.

Table 5 summarizes the noise levels generated during testing of the emergency generators propagated to the surrounding off-site receptors. Located within the generator rooms, the building would provide about 20 dBA attenuation for all surrounding receptors. This attenuation is applied to all noise levels in Table 5.

Due to the location of the emergency generator room in the north building, worst-hour L_{eq} would potentially exceed the City's 55 dBA daytime threshold by up to 3 dBA at the west residences. The City's daytime noise limit would not be exceeded at the remaining receptors surrounding the project site. For all existing receptors, the noise level increase due to testing of the emergency generators would not be measurable or detectable (i.e., 0 dBA CNEL increase).

TABLE 5 Operational Noise Levels Due to Generators at Receiving Land Uses

Noise Sources		West Res. & Comm. Uses	North YMCA Facility	East Bell Street Park	East Gas Station	South Res.
North Building Generator	Distance, feet	75	120	325	635	890
	Hourly Average L_{eq}, dBA	58[a]	54[a]	45[a]	39[a]	36[a]
South Building Generator	Distance, feet	255	460	230	260	665
	Hourly Average L_{eq}, dBA	47[a]	42[a]	48[a]	47[a]	39[a]
Total L_{eq}, dBA		**47 to 58**	**42 to 54**	**45 to 48**	**39 to 47**	**36 to 39**
Total CNEL, dBA		**44**	**40**	**36**	**34**	**27**
Permanent Noise Level Increase, dBA CNEL		**0**	**0**	**0**	**0**	**0**

[a] Conservative 20 dBA attenuation is applied to the noise levels to account for the building façade or the generator rooms.

Total Combined Project-Generated Noise

It is assumed that truck loading and unloading activities would not change under the new project conditions. The updated operational noise levels produced by the proposed project combined (i.e., traffic, mechanical equipment) would result in an increase of 1 dBA CNEL or less at all existing noise-sensitive receptors surrounding the project site. Therefore, the proposed project would not result in a substantial increase over ambient noise levels in the project vicinity.

Operational noise levels would potentially exceed the City's daytime noise limit at the property line of the west residences during monthly testing of the emergency generators. This would result in a potentially significant impact. To reduce the impact to a less-than-significant impact, the following measure shall be incorporated into the project as a condition of approval:

A qualified acoustical consultant shall be retained to review the selected emergency generator equipment during final design of the proposed project and ensure compliance with City noise standards in the Municipal Code (Chapter 8.52). The consultant shall review selected equipment and determine specific noise reduction measures necessary to reduce noise to comply with the City's noise level requirements. Noise reduction measures could include, but are not limited to, the selection of equipment that emits low noise levels and/or the inclusion of sound enclosures to reduce noise emissions at the source. Additionally, interior wall treatments shall be considered to reduce noise exposure within the on-site units. Alternate measures may include locating equipment rooms in less noise-sensitive areas, where feasible. The measures recommended by the acoustical consultant to ensure compliance with the City's requirements would be implemented as project conditions of approval, and therefore, this would be a less-than-significant impact.

Impact 2 (Groundborne Vibration During Construction Activities)

All residences and commercial buildings to the west and residences to the south are located opposite roadways (i.e., Euclid Avenue and U.S. 101, respectively), with the nearest buildings 50 to 325 feet from the nearest project site boundary. At these distances, construction vibration levels would be below 0.1 in/sec PPV. The YMCA building to the north and the gas station to the east are 70 to 180 feet from the nearest project site boundary. At these distances, construction vibration levels would be below 0.1 in/sec PPV. This is consistent with the prior finding made for the original project.

Cumulative Impacts

No additional planned or approved construction projects are located within 1,000 feet of the project site; therefore, no new cumulative construction noise impact would occur. This is consistent with the original project's findings.

The updated project would not change the traffic distribution numbers from the original project. In the original project, traffic noise increase of 3 dBA CNEL or more was calculated along several segments under both cumulative scenarios (i.e., no project and plus project): along Euclid Avenue, north of East Bayshore Road/Donohoe Street; along Bay Road, east of University Avenue; along Runnymede Street, east and west of University Avenue; and along Woodland Avenue, east of

University Avenue. These same cumulative increases would occur under the updated project conditions. Since the same increase was calculated for both cumulative scenarios (i.e., no project and plus project), the project's contribution along these roadway segments would not be measurable or detectable (i.e., 0 dBA CNEL), which would not be considered a "cumulatively considerable" contribution. All other segments included in the traffic study would result in noise level increases of less than 3 dBA CNEL under cumulative conditions. Therefore, the project would not cause a significant cumulative noise increase at noise-sensitive uses in the project vicinity. This is consistent with the original project.

Summary

Temporary construction noise and vibration impacts would not change under the updated project conditions. The temporary noise and vibration impacts due to construction activities would be less-than-significant with the incorporation of the City's Conditions for Noise as project conditions of approval, consistent with prior findings.

Project traffic volumes would remain consistent with the original project, and no substantial increases in noise are predicted. No new traffic impacts would occur under the updated project. While the proposed transformers would not generate noise levels exceeding the City's General Plan or Municipal Code noise limits during daily operations, monthly testing of the emergency generators would potentially exceed the City's noise limits. With the incorporation of noise control measures as a project conditions of approval, the impact would be reduced to a less-than-significant level.

The cumulative traffic volumes would be consistent with the original project, which would not result in a significant cumulative traffic noise impact. No new cumulative construction projects have been identified within 1,000 feet of the project site. Therefore, no new cumulative impacts would occur under the updated project.

2120-2160 EUCLID AVENUE AIR QUALITY ASSESSMENT

East Palo Alto, California

July 16, 2026

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Introduction

The purpose of this report is to address the potential air quality and health risk impacts associated with the construction and operation of the proposed mixed-use project located at 2120-2160 Euclid Avenue in East Palo Alto, California. Air quality impacts would be associated with the demolition of the existing uses at the site, construction of the new buildings and infrastructure, and operation of the project. Air pollutant emissions associated with construction and operation of the project were estimated using appropriate computer models. In addition, the potential project health risks and the impact of existing toxic air contaminant (TAC) sources affecting the nearby and proposed sensitive receptors were evaluated. The analysis was conducted following guidance provided by the Bay Area Air District (Air District).[1]

Project Description

The 4.09-acre project site is currently developed with 13 buildings associated with the Ravenswood City School District. The project proposes to demolish the existing buildings and construct two new six-story buildings (one mixed-use and one residential) containing a total of 430 residential units and 2,074 square feet (sf) of retail uses in two phases. Phase 1 would include construction of the mixed-use building with 220 residential units, approximately 2,074 square feet retail uses, and a one-story at-grade parking garage. Phase 2 would occur following the completion of Phase 1 and would include construction of the residential building with 210 residential units located on the upper five floors wrapped around a three-story parking garage. Each phase of the project is also anticipated to include one standby emergency generator powered by a diesel-fired engine.

Construction of Phase 1 would begin in June 2027 and be completed in October 2028. Construction of Phase 2 would occur following the completion of Phase 1 and would begin in October 2028 and be completed in February 2030. The proposed Phase 1 mixed-use building could be occupied by new residents once its construction is finished and while construction continues to occur on the new apartments in Phase 2.

Setting

Ambient Air Quality Standards

The Federal and California Clean Air Acts have established ambient air quality standards for different pollutants. National ambient air quality standards (NAAQS) were established by the Federal Clean Air Act of 1970 (amended in 1977 and 1990) for six "criteria" pollutants. These criteria pollutants now include carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), respirable particulate matter with a diameter less than 10 microns (PM_{10}), sulfur dioxide (SO_2), and lead (Pb). In 1997, The Environmental Protection Agency (EPA) added fine particulate matter ($PM_{2.5}$) as a criteria pollutant. The air pollutants for which standards have been established are considered the most prevalent air pollutants known to be hazardous to human health. California

[1] Also known as the Bay Area Air Quality Management District (BAAQMD), *2022 CEQA Air Quality Guidelines*, April 2023.

ambient air quality standards (CAAQS) include the NAAQS pollutants and also hydrogen sulfide, sulfates, vinyl chloride, and visibility reducing particles. These additional CAAQS pollutants tend to have unique sources and are not typically included in environmental air quality assessments. In addition, lead concentrations have decreased dramatically since it was removed from motor vehicle fuels. The Bay Area has attained the CO standard and monitoring data from the last 30 years show relatively low concentrations throughout the Bay Area. Therefore, CO is not an air quality issue for land use type projects such as this one.

Air Pollutants of Concern

There are two categories of pollutants analyzed for California Environmental Quality Act (CEQA) compliance; criteria pollutants and TACs. Criteria pollutants are those which have ambient air quality standards established by either the federal government (i.e., US EPA) or the State. TACs are pollutants that are known to either increase cancer risk or have non-cancer health impacts in high concentrations.

Criteria Pollutants – Ozone and Particulate Matter

High ozone concentrations in the air basin are caused by the cumulative emissions of reactive organic gases (ROG) and nitrogen oxides (NO_X). These precursor pollutants react under certain meteorological conditions to form ozone. Controlling the emissions of these precursor pollutants is the focus of the Bay Area's attempts to reduce ambient ozone concentrations. The highest ozone concentrations in the Bay Area occur in the eastern and southern inland valleys downwind of existing air pollutant sources. High ozone concentrations aggravate respiratory and cardiovascular diseases, reduce lung function, and increase coughing and chest discomfort.

Particulate matter is another problematic air pollutant in the air basin. Particulate matter is assessed and measured in terms of respirable particulate matter or particles that have a diameter of 10 micrometers or less (PM_{10}) and fine particulate matter where particles have a diameter of 2.5 micrometers or less ($PM_{2.5}$). Elevated concentrations of PM_{10} and $PM_{2.5}$ are the result of both region-wide emissions and localized emissions. High particulate matter concentrations aggravate respiratory and cardiovascular diseases, reduce lung function, increase mortality (e.g., lung cancer), and result in reduced lung function growth in children. Due to the adverse health effects caused by $PM_{2.5}$ exposure even at low concentrations, the Air District has developed health risk thresholds to address exposure to increased $PM_{2.5}$ concentrations caused by projects.[2]

Toxic Air Contaminants

TACs are a broad class of compounds known to cause morbidity or mortality, often because they cause cancer. TACs are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., dry cleaners). TACs are typically found in low concentrations, even near their source (e.g., diesel particulate matter [DPM] near a freeway). Because chronic exposure of TACs can result in adverse health effects, they are regulated at the regional, State, and federal level.

[2] Bay Area Air District, *2022 CEQA Air Quality Guidelines*, Appendix A, p40, April 2023.

Diesel exhaust is the predominant TAC in urban air and is estimated to represent about seventy percent of the cancer risk from TACs (based on the Bay Area average).[3] According to the California Air Resources Board (CARB), diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects from diesel exhaust exposure a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB, and are listed as carcinogens either under the State's Proposition 65 or under the Federal Hazardous Air Pollutants programs. Health risks from TACs are estimated using the Office of Environmental Health Hazard Assessment (OEHHA) risk assessment guidelines, which were published in February of 2015 and incorporated into the Air District's CEQA guidance.[4]

The Air District also considers $PM_{2.5}$ to be a TAC due to the adverse health effects caused by $PM_{2.5}$ exposure even at low concentrations. As a result, they have developed CEQA health risk thresholds to address exposure to increased concentrations of $PM_{2.5}$.

Project Air Quality Conditions

The project is located in San Mateo County, which is in the San Francisco Bay Area Air Basin. Ambient air quality standards have been established at both the State and federal level. The Bay Area meets all ambient air quality standards except for ground-level ozone, respirable particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$).

Sensitive Receptors

There are groups of people more affected by air pollution than others. CARB has identified the following persons who are most likely to be affected by air pollution: children under 16, the elderly over 65, athletes, and people with cardiovascular and chronic respiratory diseases. These groups are classified as sensitive receptors. Locations that may contain a high concentration of these sensitive population groups include residential areas, hospitals, daycare facilities, elder care facilities, and elementary schools. For cancer risk assessments, infants and small children are the most sensitive receptors, since they are more susceptible to cancer causing TACs. Residential locations are assumed to include infants and small children. The closest existing sensitive receptors to the project site are located in the single- and multi- family residences west of the project site. There are more single- and multi-family residences at further distances. There are also infants and children located at the Shining Explorers Day Care and Apolo DayCare and Pre-K. It is also assumed that the nearby Lewis and Joan Platt East Palo Alto Family YMCA contains a daycare that would accept infants and children. This project would introduce new sensitive receptors (i.e., residents) to the area.

[3] CARB, *Summary: Diesel Particulate Matter Health Impacts*, Web: https://ww2.arb.ca.gov/resources/summary-diesel-particulate-matter-health-impacts#footnote1_7yob8j5.
[4] OEHHA, 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Office of Environmental Health Hazard Assessment. February.

Regulatory Setting

The Federal and California Clean Air Acts have established ambient air quality standards for different pollutants. National ambient air quality standards (NAAQS) were established by the Federal Clean Air Act of 1970 (amended in 1977 and 1990) for six "criteria" pollutants. These criteria pollutants now include carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), respirable particulate matter with a diameter less than 10 microns (PM_{10}), sulfur dioxide (SO_2), and lead (Pb). In 1997, The Environmental Protection Agency (EPA) added fine particulate matter ($PM_{2.5}$) as a criteria pollutant. The air pollutants for which standards have been established are considered the most prevalent air pollutants known to be hazardous to human health. California ambient air quality standards (CAAQS) include the NAAQS pollutants and also hydrogen sulfide, sulfates, vinyl chloride, and visibility reducing particles. These additional CAAQS pollutants tend to have unique sources and are not typically included in environmental air quality assessments. In addition, lead concentrations have decreased dramatically since it was removed from motor vehicle fuels. The Bay Area has attained the CO standard and monitoring data from the last 30 years show relatively low concentrations throughout the Bay Area. Therefore, CO is not an air quality issue for land use type projects such as this one.

Federal Regulations

The United States Environmental Protection Agency (EPA) sets nationwide emission standards for mobile sources, which include on-road (highway) motor vehicles such trucks, buses, and automobiles, and non-road (off-road) vehicles and equipment used in construction, agricultural, industrial, and mining activities (such as bulldozers and loaders). The EPA also sets nationwide fuel standards. California also has the ability to set motor vehicle emission standards and standards for fuel used in California, as long as they are the same or more stringent than the federal standards.

In the past decade the EPA has established a number of emission standards for on- and non-road heavy-duty diesel engines used in trucks and other equipment. This was done in part because diesel engines are a significant source of NO_X and particulate matter (PM_{10} and $PM_{2.5}$) and because the EPA has identified DPM as a probable carcinogen. Implementation of the heavy-duty diesel on-road vehicle standards and the non-road diesel engine standards are estimated to reduce particulate matter and NO_X emissions from diesel engines up to 95 percent in 2030 when the heavy-duty vehicle fleet is completely replaced with newer heavy-duty vehicles that comply with these emission standards.[5]

In concert with the diesel engine emission standards, the EPA has also substantially reduced the amount of sulfur allowed in diesel fuels. The sulfur contained in diesel fuel is a significant contributor to the formation of particulate matter in diesel-fueled engine exhaust. The new standards reduced the amount of sulfur allowed by 97 percent for highway diesel fuel (from 500 parts per million by weight [ppmw] to 15 ppmw), and by 99 percent for off-highway diesel fuel (from about 3,000 ppmw to 15 ppmw). The low sulfur highway fuel (15 ppmw sulfur), also called ultra-low sulfur diesel (ULSD), is currently required for use by all vehicles in the U.S.

[5] USEPA, 2000. *Regulatory Announcement, Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*. EPA420-F-00-057. December.

All of the above federal diesel engine and diesel fuel requirements have been adopted by California, in some cases with modifications making the requirements more stringent or the implementation dates sooner.

State Regulations

To address the issue of diesel emissions in the state, CARB developed the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.[6] In addition to requiring more stringent emission standards for new on-road and off-road mobile sources and stationary diesel-fueled engines to reduce particulate matter emissions by 90 percent, a significant component of the plan involves application of emission control strategies to existing diesel vehicles and equipment. Many of the measures of the Diesel Risk Reduction Plan have been approved and adopted, including the federal on-road and non-road diesel engine emission standards for new engines, as well as adoption of regulations for low sulfur fuel in California.

CARB has adopted and implemented a number of regulations for stationary and mobile sources to reduce emissions of DPM. Several of these regulatory programs affect medium and heavy-duty diesel trucks that represent the bulk of DPM emissions from California highways. CARB regulations require on-road diesel trucks to be retrofitted with particulate matter controls or replaced to meet 2010 or later engine standards that have much lower DPM and $PM_{2.5}$ emissions. This regulation will substantially reduce these emissions between 2013 and 2023. While new trucks and buses will meet strict federal standards, this measure is intended to accelerate the rate at which the fleet either turns over so there are more cleaner vehicles on the road or is retrofitted to meet similar standards. With this regulation, older, more polluting trucks would be removed from the roads sooner.

CARB has also adopted and implemented regulations to reduce DPM and NO_X emissions from in-use (existing) and new off-road heavy-duty diesel vehicles (e.g., loaders, tractors, bulldozers, backhoes, off-highway trucks, etc.). The regulations apply to diesel-powered off-road vehicles with engines 25 horsepower (hp) or greater. The regulations are intended to reduce particulate matter and NO_X exhaust emissions by requiring owners to turn over their fleet (replace older equipment with newer equipment) or retrofit existing equipment in order to achieve specified fleet-averaged emission rates. Implementation of this regulation, in conjunction with stringent federal off-road equipment engine emission limits for new vehicles, will significantly reduce emissions of DPM and NO_X.

Bay Area Air District

The Air District has jurisdiction over an approximately 5,600-square mile area, commonly referred to as the San Francisco Bay Area (Bay Area). The District's boundary encompasses the nine San Francisco Bay Area counties, including Alameda County, Contra Costa County, Marin County, San Francisco County, San Mateo County, Santa Clara County, Napa County, southwestern Solano County, and southern Sonoma County.

[6] California Air Resources Board, 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles. October.

The Air District is the lead agency in developing plans to address attainment and maintenance of the National Ambient Air Quality Standards and California Ambient Air Quality Standards. The District also has permit authority over most types of stationary equipment utilized for the proposed project. The Air District is responsible for permitting and inspection of stationary sources; enforcement of regulations, including setting fees, levying fines, and enforcement actions; and ensuring that public nuisances are minimized.

The Air District's Community Air Risk Evaluation (CARE) program was initiated in 2004 to evaluate and reduce health risks associated with exposures to outdoor TACs in the Bay Area.[7] The program examines TAC emissions from point sources, area sources, and on-road and off-road mobile sources with an emphasis on diesel exhaust, which is a major contributor to airborne health risk in California. The CARE program is an on-going program that encourages community involvement and input. The technical analysis portion of the CARE program has been implemented in three phases that includes an assessment of the sources of TAC emissions, modeling and measurement programs to estimate concentrations of TAC, and an assessment of exposures and health risks. Throughout the program, information derived from the technical analyses has been used to develop emission reduction activities in areas with high TAC exposures and high density of sensitive populations. Risk reduction activities associated with the CARE program are focused on the most at-risk communities in the Bay Area. Seven areas have been identified by the Air District as impacted communities. They include Eastern San Francisco, Richmond/San Pablo, Western Alameda, San José, Vallejo, Concord, and Pittsburgh/Antioch. The project site is not located within any of the CARE areas.

Overburdened communities are areas located (i) within a census tract identified by the California Communities Environmental Health Screening Tool (CalEnviroScreen), Version 4.0 implemented by OEHHA, as having an overall score at or above the 70th percentile, or (ii) within 1,000 feet of any such census tract.[8] The Bay Area Air District has identified several overburdened areas within its boundaries. However, the project site is within an overburdened area as the Project site is scored at the 77th percentile on CalEnviroScreen.[9]

Furnaces and Boilers and Water Heaters

In 2023, the Air District adopted the proposed amendments to Rules 9-4 and 9-6 that are intended to reduce emissions of NOx from residential and commercial water heaters. These amended rules will affect Bay Area households that use natural gas appliances by, essentially, prohibiting the installation of new natural gas-fired furnaces and water heaters. The rules require appliances that do not emit NOx. Currently, the only zero-NOx appliances available are electric appliances. Implementation begins in 2027, where only zero-NOx water heaters can be sold or installed, in 2029 where only zero-NOx furnaces can be sold or installed, and 2031 where only zero-NOx large commercial heaters can be sold or installed. Note that electric appliances would have zero emission of other criteria pollutants and zero emissions of direct GHG.

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[7] See Bay Area Air District: https://www.baaqmd.gov/community-health/community-health-protection-program/community-air-risk-evaluation-care-program.
[8] See Bay Area Air District: https://www.baaqmd.gov/~/media/dotgov/files/rules/reg-2-permits/2021-amendments/documents/20210722_01_appendixd_mapsofoverburdenedcommunities-pdf.pdf?la=en.
[9] OEHAA, CalEnviroScreen 4.0 Maps https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40

Clean Air Plan

The Air District is responsible for developing a Clean Air Plan which guides the region's air quality planning efforts to attain both the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS). The Air District's *2017 Clean Air Plan* is the current Clean Air Plan which contains district-wide control measures to reduce ozone precursor emissions (i.e., ROG and NO_X), particulate matter (PM_{10} and $PM_{2.5}$) and greenhouse gas (GHG) emissions.

Bay Area Air District CEQA Air Quality Guidelines

In June 2010, the Air District adopted thresholds of significance to assist in the review of projects under CEQA. In 2023, the Air District revised the *CEQA Air Quality Guidelines* that include significance thresholds to assist in the evaluation of air quality impacts of projects and plans proposed within the Bay Area. The current Air District guidelines provide recommended procedures for evaluating potential air impacts during the environmental review process consistent with CEQA requirements including thresholds of significance, mitigation measures, and background air quality information. They include assessment methodologies for criteria air pollutants, air toxics, odors, and GHG emissions as shown in Table 1.[10] Air quality impacts and health risks are considered potentially significant if they exceed these thresholds.

The Air District recommends all projects include a "basic" set of best management practices (BMPs) to manage fugitive dust and consider impacts from dust (i.e., fugitive PM_{10} and $PM_{2.5}$) to be less than significant if BMPs are implemented (listed below). The Air District strongly encourages enhanced BMPs for construction sites near schools, residential areas, other sensitive land uses, or if air quality impacts were found to be significant.

[10] Bay Area Air District, *2022 CEQA Air Quality Guidelines*, April 2023.

Table 1. Bay Area Air District CEQA Significance Thresholds

Criteria Air Pollutant	Construction Thresholds		Operational Thresholds	
	Average Daily Emissions (lbs./day)		Average Daily Emissions (lbs./day)	Annual Average Emissions (tons/year)
ROG	54		54	10
NO_X	54		54	10
PM_{10}	82 (Exhaust)		82	15
$PM_{2.5}$	54 (Exhaust)		54	10
CO	Not Applicable		9.0 ppm (8-hour average) or 20.0 ppm (1-hour average)	
Fugitive Dust	Construction Dust Ordinance or other Best Management Practices (BMPs)*		Not Applicable	
Health Risks and Hazards	**Single Sources/ Individual Project**		**Combined Sources (Cumulative from all sources within 1000-foot zone of influence)**	
Excess Cancer Risk	>10 in a million	OR Compliance with Qualified Community Risk Reduction Plan	>100 in a million	OR Compliance with Qualified Community Risk Reduction Plan
Hazard Index	>1.0		>10.0	
Incremental annual $PM_{2.5}$	>0.3 µg/m^3		>0.8 µg/m^3	

Note: ROG = reactive organic gases, NO_X = nitrogen oxides, PM_{10} = course particulate matter or particulates with an aerodynamic diameter of 10 micrometers (µm) or less, $PM_{2.5}$ = fine particulate matter or particulates with an aerodynamic diameter of 2.5µm or less.
* The Bay Area Air District strongly recommends implementing all feasible fugitive dust management practices especially when construction projects are located near sensitive communities, including schools, residential areas, or other sensitive land uses.

Source: Bay Area Air District, 2022 CEQA Air Quality Guidelines

City of East Palo Alto

Vista 2035 East Palo Alto General Plan

On October 4, 2016, the City of East Palo Alto adopted the *Vista 2035 East Palo Alto General Plan*, which was an update to the City's 1999 General Plan and Zoning Ordinance.[11] The final version was published March 2017. The General Plan is the foundation for establishing goals, purposes, zoning, and activities allowed on each land parcel to provide compatibility and continuity to the entire region as well as each individual neighborhood. This general plan includes goals and policies to improve air quality within East Palo Alto. The goals, policies, and programs relevant to air quality are contained in the *Land Use and Urban Design, Transportation, Health and Equity,* and *Parks, Open Space, and Conservation* Chapters.

Land Use and Urban Design.

Goal LU-1. Maintain an urban form and land use pattern that enhances the quality of life and meets the community's vision for its future.

[11] City of East Palo Alto, 2017. *Vista 2035 East Palo Alto General Plan*. March. Web: http://www.ci.east-palo-alto.ca.us/DocumentCenter/View/3187

Intent: To provide housing, employment, retail and services, recreation, arts, education and entertainment for the City's residents and businesses in an urban environment that promotes health, equity, prosperity, and well-being.

Policies:

1.1 Balanced land uses. Create a balanced land use pattern to support a jobs-housing balance, minimize traffic and vehicle miles traveled, reduce greenhouse gas emissions, and promote a broad range of housing choices, retail businesses, employment opportunities, cultural venues, educational institutions and other supportive land uses.

Goal LU-9. Provide an urban environment that is tailored to the pedestrian.

Intent: To support and increase pedestrian activity and walkability throughout the City, encouraging a vibrant public realm and walking as a safe, comfortable, healthy and viable mode of transportation.

Policies:

9.3 Landscaping. Require development projects to incorporate drought tolerant, native species landscaping in order to extend and enhance the green space network of the City.

Goal LU-17. Preserve the single-family character of the University Village area.

Intent: To enhance the character and identity of University Village as development occurs in the Ravenswood area.

Policies:

17.10 Transit Stop. Continue to work with regional agencies to monitor the use of Dumbarton rail corridor for commuter rail service and seek to protect the University Village from noise, air quality, and other impacts.

Transportation

Goal T-8. Adopt transportation demand management and roadway system efficiency strategies.

Intent: To increase transportation choices, improve public health, reduce pollution, make effective use of roadway capacity and decrease automobile traffic by improving management of existing roadways and implementing complementary policies promoting transit, walking, bicycling and complete streets.

Policies:

8.1 Transportation Demand Management (TDM). Promote effective TDM programs to reduce travel demand from existing and new development, shifting

trips to alternative modes. Regularly update the TDM ordinance to establish effective requirements that reduce travel demand from existing and new development. Require projects to implement TDM programs, as defined in the TDM ordinance.

Health and Equity

Goal HE-4. Safely and Systemically address toxics, legacy pollutants, and hazardous materials.

Intent: To protect residents and visitors against harmful health and other impacts associated with dangerous materials that may pose a threat to life and property, and may dictate costly public improvements. Reduction or elimination of these hazards can be accomplished with concerted efforts.

Policies:

4.1 Toxic Waste. Prohibit new non-residential uses that are known to release or emit toxic waste at levels that are harmful to human health while continuing to allow R&D uses, and other necessary services such as dry cleaners.

4.2 Pollutants. Continue to work with state, federal, regional, and local agencies to eliminate and reduce concentrations of regulated legacy pollutants.

Goal HE-10. Improve respiratory health through the City and strive to reduce incidence of asthma and other respiratory illnesses.

Intent: To use policies and regulations that reduce the impact of air pollution on residents in East Palo Alto.

Policies:

10.1 Highway buffers. Discourage the development of sensitive land uses (schools, health care clinics, and elder and childcare facilities) within 500 feet of freeways and stationary sources of air pollution.

10.2 Air pollution mitigation. Require that new multi-family development located within 500 feet of freeways or along University Avenue implement appropriate mitigation measures such as air filtration/ventilation systems, landscaping and other physical improvements as recommended by the California Air Resources Board (CARB) and/or the Bay Area Air District to reduce indoor air pollution.

10.3 Landscape barriers. Plant landscape buffers between Highway 101 and residential areas to reduce noise and air pollution for residential areas.

10.4 No new truck routes. Prohibit the designation of new truck routes on residential and collector streets in East Palo Alto.

10.6 Electric vehicle fleet. Improve air quality and respiratory health through City programs and operations such as converting to a clean-air and primarily electric fleet.

10.7 Other mobility strategies. Implement the strategies in the Transportation Element that improve air quality. These include transit, walking, biking and Transportation Demand Management strategies.

Goal HE-13. All housing is designed and built in a way that facilitates health, sustainability, and efficiency.

Intent: To ensure that all housing has healthy indoor air that is free from pollutants such as tobacco smoke, mold, carbon monoxide, and radon, and is constructed from materials that do not contain hazardous elements, such as lead or asbestos.

Policies:

13.1 Healthy design guidelines. Support creativity in the construction of new housing by proactively developing zoning and healthy design guidelines. Solicit broad public input during the drafting.

13.2 Healthy housing codes. Review, revise, and update the building code (as well as other relevant plans, procedures, regulations, guidelines, programs, and design manuals) as needed, in order to promote healthy housing quality.

13.3 Healthy design checklists. Work with developers to prioritize health in planned construction, using healthy designed checklists and/or review tools (such as the Building Design Checklist by the Center for Active Design).

Parks, Open Space, and Conservation

Goal POC-6. Preserve and expand the urban forest on both public and private property.

Intent: To maximize the benefits of a healthy urban forest, especially to counteract the impacts of highways and other sources of air pollution.

Policies:

6.2 New tree planting. Prioritize the planting of new trees on sites designated as sensitive receptors (e.g., schools, health centers) or that are in close proximity to sources of air pollution such as freeways and heavily traveled road corridors.

6.4 Urban forestry programs. Support education and outreach programs to inform community members about the benefits of urban trees, including shade, improved air quality, filtration of stormwater, and wildlife habitat. Educate the community about proper tree maintenance.

Safety and Noise

Goal SN-8. Coordinate land use planning to prevent new odor complaints.

Intent: To avoid conflicts related to bad odors, especially between incompatible use.

Policies:

8.1 Identify potential for odor complaints. Use BAAQMD Odor Screening Distances or City-specific screening distances to identify odor potential. Evaluate odors from sources within these screening distances based on odor potential, wind conditions, setback distance and receptor type.

8.2 Odor sources. Prohibit new sources of odors that have the potential to result in frequent odor complaints unless it can be shown that potential odor complaints can be mitigated.

8.3 Sensitive receptors near odor sources. Prohibit sensitive receptors from locating near odor sources where frequent odor complaints would occur, unless it can be shown that potential odor complaints can be mitigated.

City of East Palo Alto General Plan Update FEIR

The City of East Palo Alto adopted the City of East Palo Alto General Plan Update Final Environmental Impact Report (FEIR) in August 2016. The FEIR addressed air quality impacts associated with implementation of *Vista 2035 East Palo Alto General Plan*. Mitigation measures applicable to individual projects were included in the FEIR to reduce impacts from construction and operation, as BAAQMD emissions and health risk thresholds still apply to individual projects. Mitigation measures required by the *Vista 2035 East Palo Alto General Plan* include:

MM AQ-1: Implement BAAQMD-Recommended Measures to Control Particulate Matter Emissions during Construction. Measures to reduce DPM and PM_{10} from construction are recommended to ensure that short-term health impacts to nearby sensitive receptors are avoided. These measures are listed below:

- Water all active construction areas at least twice daily and more often during windy periods. Active areas adjacent to residences should be kept damp at all times.
- Cover all hauling trucks or maintain at least two feet of freeboard.
- Pave, apply water at least twice daily, or apply (non-toxic) soil stabilizers on all unpaved access roads, parking areas, and staging areas.
- Sweep daily (with water sweepers) all paved access roads, parking areas, and staging areas and sweep streets daily (with water sweepers) if visible soil material is deposited onto the adjacent roads.
- Hydroseed or apply (nontoxic) soil stabilizers to inactive construction areas (i.e., previously graded areas that are inactive for 10 days or more).

- Enclose, cover, water twice daily, or apply (non-toxic) soil binders to exposed stockpiles.
- Limit traffic speeds on any unpaved roads to 15 mph.
- Replant vegetation in disturbed areas as quickly as possible.
- Suspend construction activities that cause visible dust plumes to extend beyond the construction site.
- Post a publicly visible sign(s) with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.
- Measures to reduce exhaust emissions from large construction projects:
- The developer or contractor shall provide a plan for approval by the City or BAAQMD demonstrating that the heavy-duty (>50 horsepower) off-road vehicles to be used in the construction project, including owned, leased, and subcontractor vehicles, will achieve a project wide fleet-average 20 percent NOx reduction and 45 percent particulate reduction compared to the most recent CARB fleet average for the year 2011.
- Clear signage at all construction sites will be posted indicating that diesel equipment standing idle for more than five minutes shall be turned off. This would include trucks waiting to deliver or receive soil, aggregate or other bulk materials. Rotating drum concrete trucks could keep their engines running continuously as long as they were onsite or adjacent to the construction site.
- The contractor shall install temporary electrical service whenever possible to avoid the need for independently powered equipment (e.g., compressors).
- Properly tune and maintain equipment for low emissions.

MM AQ-2: Require Project-Level Construction Health Risk Assessment. Construction health risk assessments will be required on a project-by-project basis, either through screening or refined modeling, to identify impacts and, if necessary, include measures to reduce exposure. Reduction in health risk can be accomplished through, though is not limited to, the following measures:

- Construction equipment selection;
- Use of alternative fuels, engine retrofits, and added exhaust devices;
- Modify construction schedule; and
- Implementation of Air District Basic and/or Additional Construction Mitigation Measures for control of fugitive dust.

MM AQ-3: Require Project-Level Health Risk Assessment For New Development. Future development under the General Plan Update that includes sensitive receptors (such as schools, hospitals, daycare centers, or retirement homes) located within the setback distances from highways, railroads, local roadways, and stationary sources shall require site-specific analysis to determine the level of TAC and $PM_{2.5}$ exposure. This setback

distance ranges from <50 feet to 1,000 feet, depending on the TAC source. This analysis shall be conducted following procedures outlined by BAAQMD. If the site-specific analysis reveals significant exposures, such as cancer risk greater than 10 in one million or cumulative cancer risk greater than 100 in one million, additional measures shall be employed to reduce the risk to below the threshold. If this is not possible, the sensitive receptors shall be relocated.

Future non-residential developments would be evaluated through the CEQA process or BAAQMD permit process to ensure that they do not cause a significant health risk in terms of excess cancer risk greater than 10 in one million, acute or chronic hazards with a Hazard Index greater than 1.0, or annual $PM_{2.5}$ exposures greater than 0.3 $\mu g/m^3$, or a significant cumulative health risk in terms of excess cancer risk greater than 100 in one million, acute or chronic hazards with a Hazard Index greater than 10.0, or annual $PM_{2.5}$ exposures greater than 0.8 $\mu g/m^3$.

For significant cancer risk exposure, as defined by BAAQMD, indoor air filtration systems shall be installed to effectively reduce particulate levels to a less-than-significant level. Project sponsors shall submit performance specifications and design details to demonstrate that lifetime residential exposures would result in less-than-significant cancer risks (less than 10 in one million chances or 100 in one million for cumulative sources).

AIR QUALITY IMPACTS AND MITIGATION MEASURES

Impact AIR-1: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

The Bay Area is considered a non-attainment area for ground-level O_3 and $PM_{2.5}$ under both the NAAQS and the CAAQS. The area is also considered non-attainment for PM_{10} under the CAAQS, but not the NAAQS. The area has attained both State and Federal ambient air quality standards for CO. As part of an effort to attain and maintain ambient air quality standards for O_3, $PM_{2.5}$ and PM_{10}, the Air District has established thresholds of significance for these air pollutants and their precursors. The O_3 precursor pollutant thresholds are for ROG and NOx, while PM_{10}, and $PM_{2.5}$ have specific thresholds. The thresholds apply to both construction period emissions and operational period emissions.

Construction Period Emissions

The California Emissions Estimator Model (CalEEMod) Version 2022 was used to estimate emissions from on-site construction activity, construction vehicle trips, and evaporative emissions. The project land use types and size were input to CalEEMod. The CalEEMod model output along with construction inputs are included in *Attachment 1*.

CalEEMod Inputs

Land Uses

The proposed project would be constructed in two phases: Phase 1 would construct the mixed-use building and Phase 2 would construct the Residential building. Separate CalEEMod runs were conducted for each phase. The land uses for each phase were entered into CalEEMod as described in Table 2.

Table 2. Summary of Project Land Use Inputs

Project Land Uses	Size	Units	Square Feet	Acreage
Phase 1 (2027 - 2028)				
Apartments Mid Rise	220	Dwelling Unit	234,170	1.84
Regional Shopping Cetner	2.074	1,000-sf	2,074	
Unenclosed Parking with Elevator	111	Parking Spaces	56,766	
Phase 2 (2028 - 2030)				
Apartments Mid Rise	210	Dwelling Unit	235,915	2.25
Unenclosed Parking with Elevator	321	Parking Spaces	157,306	

Construction Inputs

CalEEMod computes annual emissions for construction that are based on the project type, size, and acreage. The model provides emission estimates for both on-site and off-site construction activities. On-site activities are primarily made up of construction equipment emissions, while off-site activity includes worker, hauling, and vendor traffic. Construction activity was computed by the CalEEMod model for each phase using the project size and schedule provided by the applicant. The construction build-out scenario for both phases, including equipment quantities, average hours per day, total number of workdays, and schedule were input to the model (included in *Attachment 1*). The construction schedule for Phase 1 begins in June 2027, with the total project (Phase 1 + Phase 2) being built out over a period of approximately 33 months, or 856 construction workdays. The earliest year of full operation for the total project was assumed to be 2030.

Construction Traffic Emissions

Construction would produce traffic in the form of worker trips and truck traffic. The traffic-related emissions are based on worker and vendor trip estimates produced by CalEEMod and haul trips that were computed based on the demolition material to be exported, soil imported and/or exported to the site, and the concrete and asphalt truck trips to and from the site. CalEEMod provides daily estimates of worker and vendor trips for each applicable phase. For Phase 1, building demolition and soil export quantities were provided. Pavement demolition was estimated using Google Earth satellite imagery. For Phase 2, the building demolition quantity was provided and no substantial soil hauling was assumed. Using this information, daily haul trips for demolition and grading were developed by CalEEMod. The number of total concrete and asphalt round haul trips were estimated for the project and converted to daily one-way trips, assuming two trips per delivery. These values are shown in the project construction equipment worksheet included in *Attachment 1.*

Summary of Computed Construction Period Emissions

Average daily emissions were annualized for each year of construction by dividing the annual construction emissions by the number of active workdays during that year. Table 3 shows the annualized average daily construction emissions of ROG, NO_X, PM_{10} exhaust, and $PM_{2.5}$ exhaust during construction of the project. As indicated in Table 3, predicted annualized project construction emissions would not exceed the Air District significance thresholds during any year of construction.

Table 3. Construction Period Emissions

Year	ROG	NOx	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
Total Construction Emissions (Tons)				
2027 (Phase 1)	0.12	1.19	0.05	0.04
2028 (Phase 1 + Phase 2)	1.81	1.76	0.06	0.05
2029 + 2030 (Phase 2)	1.87	1.66	0.05	0.05
Average Daily Construction Emissions (pounds/day)				
2027 (183 construction workdays)	1.34	13.01	0.49	0.45
2028 (315 construction workdays)	11.48	11.21	0.37	0.34
2029 + 2030 (358 construction workdays)	10.44	3.28	0.28	0.26
Air District Thresholds (pounds per day)	*54* lbs./day	*54* lbs./day	*82* lbs./day	*54* lbs./day
Exceed Threshold?	No	No	No	No

Construction activities, particularly during site preparation and grading, would temporarily generate fugitive dust in the form of PM_{10} and $PM_{2.5}$. Sources of fugitive dust include disturbed soils at the construction site and trucks carrying uncovered loads of soils. Unless properly Mitigated, vehicles leaving the site deposit mud on local streets, which is an additional source of airborne dust after it dries. The Air District recommends all projects include a "basic" set of BMPs to manage fugitive dust and considers impacts from dust (i.e., fugitive PM_{10} and $PM_{2.5}$) to be less-than-significant if BMPs are implemented to reduce these emissions. Mitigation Measure AQ-1 of the City of East Palo Alto General Plan Update FEIR would implement the Air District basic BMPs to control dust during construction.

East Palo Alto General Plan Update FEIR Mitigation Measure AQ-1: **Implement Air District-Recommended Measures to Control Particulate Matter Emissions during Construction.**

During any construction period ground disturbance, the applicant shall ensure that the project contractor implement measures to control dust. Implementation of the measures recommended by the Air District and listed below would reduce the air quality impacts associated with grading and new construction to a less-than-significant level. The contractor shall implement the following BMPs required of all projects:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.

2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.

3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.

4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).

5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.

6. All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.

7. All trucks and equipment, including their tires, shall be washed off prior to leaving the site.

8. Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.

9. Publicly visible signs shall be posted with the telephone number and name of the person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

Effectiveness of East Palo Alto General Plan Update FEIR Mitigation Measure AQ-1

The measures above are consistent with Air District-recommended basic BMPs for reducing fugitive dust contained in the Air District CEQA Air Quality Guidelines.

Operational Period Emissions

ROG, NO_x, and Particulate Matter (PM) air pollutant emissions from the project would be generated primarily from autos driven by future residents. Evaporative emissions from architectural coatings and maintenance products (classified as consumer products) are also typical ROG emission sources from these types of uses. The CalEEMod model was used to estimate emissions from operation of the proposed project assuming full build-out.

CalEEMod Inputs

Land Uses

All project land uses were combined and input to CalEEMod for the operational period modeling in the year 2030. Inputs are summarized in Table 4.

Table 4. Operational Land Uses Entered into CalEEMod

Project Land Uses	Size	Units	Square Feet	Acreage
Apartments Mid Rise	430	Dwelling Unit	470,085	4.09
Regional Shopping Center	2.074	1,000-sf	2,074	
Unenclosed Parking with Elevator	432	Parking Spaces	214,072	

Model Year

Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CalEEMod. The earliest year of full operation would be 2030 if construction begins in 2027. Emissions associated with build-out later than 2030 would be lower.

Traffic Information

CalEEMod allows the user to enter specific vehicle trip generation rates. Therefore, the project-specific daily trip generation rate provided by the traffic consultant was entered into the model.[12] The project would produce approximately 2,181 daily trips. When accounting for the *TDM Reduction,* the project would produce 1,354 net daily trips. The daily trip generation was calculated using ITE trip generation rates, the size of the project land uses, and the adjusted total automobile trips after reductions. The Saturday and Sunday trip rates were derived by multiplying the ratio of the CalEEMod default rates for Saturday and Sunday trips to the default weekday rate with the project-specific daily weekday trip rate. The default trip lengths and trip types specified by CalEEMod were used.

Energy

CalEEMod defaults for energy use were used, including the 2019 Title 24 Building Standards[13]. GHG emissions modeling includes those indirect emissions from electricity consumption. The model has a default rate of 99.98 pounds of CO_2 per megawatt of electricity produced, which is based on PCE's 2019 emissions rate. However, this rate was updated to the 2024 emissions rate of 0 pounds of CO_2 per megawatt based on their 2024 Power Content Label. [14]

The Project plans do not show any natural gas infrastructure, and the applicant has confirmed the building will be all electric. Therefore, natural gas use for the project land uses was set to zero and reassigned to electricity use in CalEEMod.

[12] Email Correspondence from Carolyn Mogollon, Project Manager, David J. Powers & Associates, Inc., November 6, 2024, *2120-2160 Euclid Ave Trip Gen -11-4-2024 – City.xlsx.*
[13] Note CalEEMod currently applies less stringent 2019 standards, even though the 2022 standards were enacted in 2023.
[14] Peninsula Clean Energy 2024 Power Content Label. URL: https://www.energy.ca.gov/filebrowser/download/9147

Project Generators

The project would include two standby emergency generators. At the time of this analysis, the size of the generators is unknown. As a result, it was assumed that each generator would be 900-kilowatt (kW) and be powered by a 1,207 horsepower (hp) diesel-fired engine. Each generator will be located at ground level. The Phase 1 generator will be located in the northeast corner of the building while the Phase 2 generator will be located in the northwest corner of the building, as shown in Figure 1. These generators would be tested periodically and power the system in the event of a power failure. For modeling purposes, it was assumed that the generators would be operated for testing and maintenance purposes. CARB and the Air District requirements limit these engine operations to 50 hours each per year for testing and maintenance.[15] The actual annual run time for each generator is expected to be less.

The Air District guidance recommends that generator operation should be modeled for up to 150 hours per year, which includes up to 50 hours of reliability testing and maintenance plus 100 hours of emergency operation time.[16] The additional 100 hours of emergency operation time recommended by the Air District were not included in the modeling, since generators historically operate much less, and therefore, would not be appropriate for the health risk assessment. The additional 100 hours are intended to represent the Potential to Emit (PTE) emissions required under Title V and New Source Review for Federal permitting. Based on PG&E's latest (2024) Electric Reliability report, the project area experienced 88.5 - 207.9 minutes of yearly outage between 2019 and 2024 with a 5-year average of 134.6 minutes or just over 2 hours per year.[17] Reliability testing is anticipated to occur about 1 hour every two weeks or 26 hours per year. Maintenance is anticipated to occur for less than 8 hours per year. Adding average emergency time plus additional maintenance run time would still not exceed 50 hours per year. Adding an additional 100 hours of generator operation would create an unrealistically conservative scenario. Note that an assumption of 50 hours of operation annually in the modeling is consistent with Air District permitting guidance for emergency generators.[18]

The engines would be required to meet CARB and EPA emission standards and consume commercially available California low-sulfur diesel fuel.[19] Additionally, the generators would have to meet the Air District BACT requirements for IC Engine-Compression Ignition: Stationary Emergency, non-Agricultural, non-direct drive fire pump sources.[20] These include emission limits similar to U.S. EPA Tier 4 standards. The emissions from the operation of the generators were calculated using the CalEEMod model.

[15] Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines. URL: https://www.law.cornell.edu/regulations/california/17-CCR-93115.6#:~:text=c.,2.
[16] Bay Area Air District, 2022 CEQA Guidelines, Appendix E, Section 5.1
[17] PG&E 2024 Annual Electric Reliability Report. URL: https://www.pge.com/assets/pge/docs/about/pge-systems/2024-annual-electric-reliability-report.pdf
[18] Bay Area Air District, Engineering Evaluation – Facility 20567, Tier 4 Diesel Fired Emergency Engine. URL: Engineering Evaluation
[19] 40 CFR, Part 1039, Subpart B. URL: https://www.ecfr.gov/current/title-40/chapter-I/subchapter-U/part-1039
[20] Bay Area Air District Regulation 2, Rule 2. URL: https://www.baaqmd.gov/~/media/dotgov/files/rules/regulation-2-rule-2/documents/20171206_fr_0202-pdf.pdf?rev=0668b6b8d64b49519992bca843830872&sc_lang=en

Wood-Burning Devices

CalEEMod default inputs for wood-burning fireplaces and stoves were modified to reflect Air District Regulation 6, Rule 3 that prohibits these types of devices.[21] The number of project woodstoves and fireplaces were set to zero in CalEEMod, since natural gas infrastructure would not be constructed in these new residential buildings.

Other Inputs

Default model assumptions for emissions associated with solid waste generation were used. Wastewater treatment was changed to 100-percent aerobic conditions to represent the use of city services (i.e., the project would not send wastewater to septic tanks or facultative lagoons).

Existing Uses

The existing site is occupied by the Ravenswood City School District. However, to be conservative, an existing use CalEEMod run was not created for the project.

Summary of Computed Operational Period Emissions

Annual operational emissions predicted using CalEEMod are shown in Table 5. The daily emissions were computed assuming 365 days of operation. Table 5 shows average daily emissions of ROG, NO_X, total PM_{10}, and total $PM_{2.5}$ during operation of the project. The operational period emissions would not exceed the Air District significance thresholds.

Table 5. Operational Period Emissions

Scenario	ROG	NOx	PM_{10}	$PM_{2.5}$
2030 Annual Project Operational Emissions (*tons/year*)	3.11	0.82	1.24	0.33
Air District Thresholds (tons /year)	*10 tons*	*10 tons*	*15 tons*	*10 tons*
Exceed Thresholds?	No	No	No	No
2030 Daily Project Operational Emissions (lbs./day)	17.06	4.47	6.79	1.81
Air District Thresholds (lbs./day)	*54 lbs.*	*54 lbs.*	*82 lbs.*	*54 lbs.*
Exceed Threshold?	No	No	No	No

Notes: [1] Assumes 365-day operation.

Summary of Operational and Construction Emissions

There would be a period of time where Phase 1 is operational and construction of Phase 2 would occur at the same time. The combination of operational and construction emissions is shown simply as the sum of Phase 1 annual operation and the maximum annual Phase 2 construction emissions. Table 6 shows the annual and average daily emissions during this period. The overlap of operational and construction period emissions would not exceed the Air District significance thresholds.

[21] Bay Area Air District, https://www.baaqmd.gov/~/media/dotgov/files/rules/regulation-6-rule-3/documents/20191120_r0603_final-pdf.pdf?la=en

Table 6. Maximum Operational and Construction Period Emissions

Scenario	ROG	NOx	PM_{10}	$PM_{2.5}$
Annual Emissions (tons/year)				
Maximum Phase 2 Construction Emissions	1.87	1.66	0.05	0.05
Phase 1 Operational Emissions	1.56	0.43	0.66	0.18
Phase 2 Construction + Phase 1 Operation (tons/year)	3.42	2.09	0.71	0.22
Air District Thresholds (tons /year)	*10 tons*	*10 tons*	*15 tons*	*10 tons*
Exceed Threshold?	*No*	*No*	*No*	*No*
Daily Emissions (lbs./day)				
Maximum Phase 2 Construction Emissions[1]	17.89	15.91	0.48	0.44
Phase 1 Operational Emissions[2]	8.52	2.36	3.64	0.97
Phase 2 Construction + Phase 1 Operation (lbs./*day*)	26.41	18.27	4.12	1.41
Air District Thresholds (lbs./day)	*54* lbs.	*54* lbs.	*82* lbs.	*54* lbs.
Exceed Threshold?	*No*	*No*	*No*	*No*
Notes: [1] Assumes 358 days of construction. [2] Assumes 365-day operation.				

Impact AIR-2: Expose sensitive receptors to substantial pollutant concentrations?

The City of East Palo Alto General Plan Update FEIR MM AQ-2 requires a project-level construction health risk assessment, and if necessary, include measures to reduce exposure. Project impacts related to increased health risk can occur by generating emissions of TACs and air pollutants. This project would introduce new sources of TACs during construction (i.e., on-site construction and truck hauling emissions) and operation (i.e., mobile and stationary sources). Project construction activity would generate dust and equipment exhaust that would affect nearby sensitive receptors. The project would include stationary sources and generate some traffic consisting of mostly light-duty gasoline-powered vehicles, which would produce TAC and air pollutant emissions.

Project impacts to existing sensitive receptors were addressed for temporary construction activities and long-term operational conditions. There are also several sources of existing TACs and localized air pollutants in the vicinity of the project. The impact of existing sources of TACs was assessed in terms of the cumulative risk which includes the project contribution, as well as the risk on the new sensitive receptors introduced by the project.

Health Risk Methodology

Health risk impacts were addressed by predicting increased cancer risk, the increase in annual $PM_{2.5}$ concentrations, and by computing the Hazard Index (HI) for non-cancer health risks. The risk impacts from the project are the combination of risks from construction and operation sources. These sources include on-site construction activity, construction truck hauling, operation of emergency generators, and increased traffic from the project. To evaluate the increased cancer risks from the project, a 30-year exposure period was used, per the Air District guidance,[22] with the sensitive receptors being exposed to both project construction and operation emissions during this timeframe.

[22] Bay Area Air District, *Appendix E of the 2022 CEQA Guidelines.* April 2023.

The project increased cancer risk is computed by summing the project construction cancer risk and operation cancer risk contributions. Unlike the increased maximum cancer risk, the annual $PM_{2.5}$ concentration and HI values are not additive but based on the annual maximum values for the entirety of the project. The project maximally exposed individual (MEI) is identified as the sensitive receptor(s) that is most impacted by the project's construction and operation.

The methodology for computing health risks impacts is contained in Appendix E of the Bay Area Air District CEQA Guidelines. TAC and $PM_{2.5}$ emissions are calculated, a dispersion model used to estimate ambient pollutant concentrations, and cancer risks and HI calculated using DPM concentrations.

Modeled Sensitive Receptors

Receptors for this assessment included locations where sensitive populations would be present for extended periods of time (i.e., chronic exposures). This includes the existing residences, Shining Explorers Day Care, Apolo DayCare and Pre-K, and the Joan Platt East Palo Alto Family YMCA, as shown in Figure 1. Residential receptors are assumed to include all receptor groups (i.e., third trimester, infants, children, and adults) with almost continuous exposure to project emissions. Health risks were also computed for infant receptors at the nearby daycares and YMCA. While there are additional sensitive receptors within 1,000 feet of the project site, the receptors chosen are adequate to identify maximum impacts from the project.

Health Risk from Project Construction

The primary health risk impact issues associated with construction projects are cancer risks associated with diesel exhaust (i.e., DPM), which is a known TAC, and exposure to high ambient concentrations of dust (i.e., $PM_{2.5}$). Both pose a potential health and nuisance impact to nearby receptors. A health risk assessment of the project construction activities was conducted that evaluated potential health effects to nearby sensitive receptors from construction emissions of DPM and $PM_{2.5}$.[23] This assessment included dispersion modeling to predict the offsite concentrations resulting from project construction, so that lifetime cancer risks and non-cancer health effects could be estimated.

Construction Emissions

The CalEEMod model provided total Unmitigated annual PM_{10} exhaust emissions (assumed to be DPM) for the off-road construction equipment and for exhaust emissions from on-road vehicles. Total DPM emissions were estimated to be 0.08 tons (152 pounds) for Phase 1 and 0.07 tons (149 pounds) for Phase 2. Mitigated fugitive dust emissions ($PM_{2.5}$) were estimated to be 0.08 tons (164 pounds) for Phase 1 and 0.09 tons (189 pounds) for Phase 2. The on-road emissions are a result of haul truck travel during grading activities, worker travel, and vendor deliveries during construction. A trip length of one mile was used to represent vehicle travel while at or near the construction site. It was assumed that the emissions from on-road vehicles traveling at or near the site would occur at the construction site.

[23] DPM is identified by California as a toxic air contaminant due to the potential to cause cancer.

Dispersion Modeling

The U.S. EPA AERMOD dispersion model was used to predict DPM and $PM_{2.5}$ concentrations at sensitive receptors (i.e., residences) in the vicinity of the project construction area. The AERMOD dispersion model is an Air Distrct recommended model for use in modeling analysis of these types of emission activities for CEQA projects.[24] Emission sources for the construction site were grouped into two categories: exhaust emissions of DPM and fugitive $PM_{2.5}$ dust emissions.

Construction Sources

To represent the construction equipment exhaust emissions, an area source emission release height of 20 feet (6 meters) was used for the area sources.[25] The release height incorporates both the physical release height from the construction equipment (i.e., the height of the exhaust pipe) and plume rise after it leaves the exhaust pipe. Plume rise is due to both the high temperature of the exhaust and the high velocity of the exhaust gas. It should be noted that when modeling an area source, plume rise is not calculated by the AERMOD dispersion model as it would do for a point source (exhaust stack). Therefore, the release height from an area source used to represent emissions from sources with plume rise, such as construction equipment, should be based on the height the exhaust plume is expected to achieve, not just the height of the top of the exhaust pipe.

For modeling fugitive $PM_{2.5}$ emissions, a near-ground level release height of 7 feet (2 meters) was used in an area source. Fugitive dust emissions at construction sites come from a variety of sources, including truck and equipment travel, grading activities, truck loading (with loaders) and unloading (rear or bottom dumping), loaders and excavators moving and transferring soil and other materials, etc. All of these activities result in fugitive dust emissions at various heights at the point(s) of generation. Once generated, the dust plume will tend to rise as it moves downwind across the site and exit the site at a higher elevation than when it was generated. For all these reasons, a 7-foot release height was used as the average release height across the construction site. Emissions from the construction equipment and on-road vehicle travel were distributed throughout the modeled area sources.

AERMOD Inputs and Meteorological Data

The modeling used a five-year data set (2013 - 2017) of hourly meteorological data from the Moffett Federal Airfield was used with the AERMOD model. Construction emissions were modeled as occurring Monday through Saturday between 7:00 a.m. to 6:00 p.m., per the project applicant's construction schedule. Annual DPM and $PM_{2.5}$ concentrations from construction activities during the 2027 - 2030 period were calculated at nearby sensitive receptors using the model. Receptor heights of 5 feet (1.5 meters) and 15 feet (4.5 meters) were used to represent the breathing height on the first and second floors of nearby existing single- and multi-family

[24] Bay Area Air District, 2023, *Appendix E of the 2022 BAAQMD CEQA Guidelines.* April.
[25] California Air Resource Board, 2007. *Proposed Regulation for In-Use Off-Road Diesel Vehicles, Appendix D: Health Risk Methodology*. April. Web: https://ww3.arb.ca.gov/regact/2007/ordiesl07/ordiesl07.htm

residences.[26] A receptor height of 3 feet (1 meter) was used to represent the breathing heights of infants and children at the daycares. Receptor heights of 3 feet (1 meter) and 13 feet (4 meters) were used to represent breathing heights of infants and children on the first and second floors of the YMCA.

Health Risks from Project Operation

Operation of the project would have long-term emissions from mobile sources (i.e., traffic) and stationary sources (i.e., emergency generators). While these emissions would not be as intensive at or near the site as construction activity, they could contribute to long-term effects to nearby worker receptors.

Project Traffic

Diesel powered vehicles are the primary concern with local traffic-generated TAC impacts. This project would generate approximately 1,354 daily weekday trips according to the project's traffic consultant, as described previously. The project traffic would be dispersed on the roadway system with a majority of the trips being from light-duty vehicles (i.e., passenger automobiles). In addition, projects with the potential to cause or contribute to increased cancer risk from traffic include those that have high numbers of diesel-powered on road trucks or use off-road diesel equipment on site, such as a warehouse distribution center, a quarry, or a manufacturing facility, may potentially expose existing or future planned receptors to substantial cancer risk levels and/or health hazards. This is not a project of concern for mobile sources given the low trip quantity and type of trips generated by the project. Therefore, emissions from project traffic are considered negligible and not included within this analysis.

Project Generators

Operation of the diesel generators would be a source of TAC emissions. As previously described, the project would include two emergency generators. They are assumed to be 900 kW in size and be powered by a 1,207 hp diesel fired engine. The Phase 1 generator would be located in the northeastern corner of the building while the Phase 2 generator would be located in the northwest corner of the building. The locations of the modeled generators are shown in Figure 1.

These diesel engines would be subject to CARB's Stationary Diesel Airborne Toxics Control Measure (ATCM) and require permits from the Air District, since it will be equipped with an engine larger than 50-HP. BACT requirements would apply to these generators that would limit DPM emissions. As part of the Air District permit requirements for toxics screening analysis, the engine emissions will have to meet Best Available Control Technology for Toxics (BACT) and pass the toxic risk screening level of less than 10 in a million.[27] The risk assessment would be prepared by the Air District. Depending on results, the Air District would set limits for DPM emissions (e.g., more restricted engine operation periods).

[26] Bay Area Air District, 2012, Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0. May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en

[27] Bay Area Air District, *2022 CEQA Air Quality Guidelines*, Chapter 5, Table 5-2

Dispersion Modeling

The emissions from the operation of the generators were calculated using the CalEEMod model. To estimate potential increased cancer risks and $PM_{2.5}$ impacts from operation of the emergency generators, the U.S. EPA AERMOD dispersion model was used to compute the maximum annual DPM concentration at off-site sensitive receptor locations. The AERMOD dispersion model is an Air District-recommended model for use in modeling analysis of these types of emission activities for CEQA projects.[28] Emissions of DPM were based on PM_{10} exhaust emissions predicted by CalEEMod for operation of the project generators. The same meteorological data, breathing heights, and sensitive receptors utilized for construction modeling were utilized for the generator modeling. Stack parameters (i.e., engine size, exhaust gas flowrate, stack diameter, stack height, and exhaust gas temperature) for modeling the generator were based on Air District recommended parameters for emergency generators.[29] As previously described, generator operation was based on 50 hours of generator operation per year. This is a conservative scenario based on the expected testing, maintenance, and average annual power outage values. Annual average DPM and $PM_{2.5}$ concentrations were modeled assuming that generator testing could occur at any time of the day (24 hours per day, 365 days per year).

Computed Risks and Hazards from Project Generators

Increased cancer risks from use of the generators were calculated using the modeled maximum annual DPM concentrations and the Air District recommended risk assessment methods and parameters.[30] The $PM_{2.5}$ concentration and non-cancerous (i.e., Hazard Index) health risk impacts were also calculated. To calculate the increased cancer risk from the generators, the cancer risks exposure duration was adjusted to begin in 2029 when the first phase of the project is operational. This is a conservative scenario since it assumes both generators would be operational in 2029 even though the project is not fully operational until 2030. Furthermore, the cancer risks were adjusted for exposure duration to account for construction for the first two years, while the operational exposure duration was adjusted for the remaining 28 years of the 30-year exposure period. Table 7 lists the health risks from the stand-by diesel generators.

Summary of Project-Related Health Risks at the Off-Site MEIs

The maximum increased cancer risks were calculated using the modeled TAC concentrations combined with Air District CEQA guidance for age sensitivity factors and exposure parameters. Age-sensitivity factors reflect the greater sensitivity of infants and small children to cancer causing TACs. Third trimester, infant, child, and adult exposures were assumed to occur at all residences during the entire construction period, while infant and child exposures were assumed at the daycares and YMCA. The project risk impacts are the combination of construction and operation sources. For this project, these sources include the on-site construction activity and project generators. The project impact is computed by adding the construction cancer risk to the increased cancer risk for the project operational conditions over a 30-year period. The project MEI is

[28] Bay Area Air District, *2022 CEQA Air Quality Guidelines,* April 2023.
[29] Bay Area Air District, *2022 CEQA Air Quality Guidelines,* April 2023.
[30] Bay Area Air District, *2022 CEQA Air Quality Guidelines,* April 2023.

identified as the receptor that is most impacted by the project's construction and operational activities.

Non-cancer health hazards and maximum $PM_{2.5}$ concentrations were also calculated. The maximum modeled annual $PM_{2.5}$ concentration was calculated based on combined exhaust and fugitive concentrations. The maximum computed HI value was based on the ratio of the maximum DPM concentration modeled and the chronic inhalation DPM reference exposure level of 5 $\mu g/m^3$. The annual $PM_{2.5}$ concentration and HI values are based on an annual maximum risk for the entirety of the project.

The modeled maximum annual DPM and $PM_{2.5}$ concentrations were identified at nearby sensitive receptors to find the MEI. Results of this assessment indicated that the project MEI was located on the first floor (5 feet above the ground) of a single-family residence west of the project site. The location of the MEI and nearby sensitive receptors are shown in Figure 1. Table 7 summarizes the maximum cancer risks, $PM_{2.5}$ concentrations, and HI for project related construction activities at the MEI. *Attachment 2* to this report includes the emission calculations used for the construction and generator modeling along with the cancer risk calculations.

Health risk impacts are shown in Table 7. The uncontrolled maximum cancer risks from construction activities at the project MEI would exceed the Air District single-source significance thresholds for cancer risk. However, with the incorporation of *FEIR Mitigation Measure AQ-2*, the mitigated cancer risk would no longer exceed the Air District significance threshold. The annual $PM_{2.5}$ concentration and HI from construction activities would be below the single-source significance threshold.

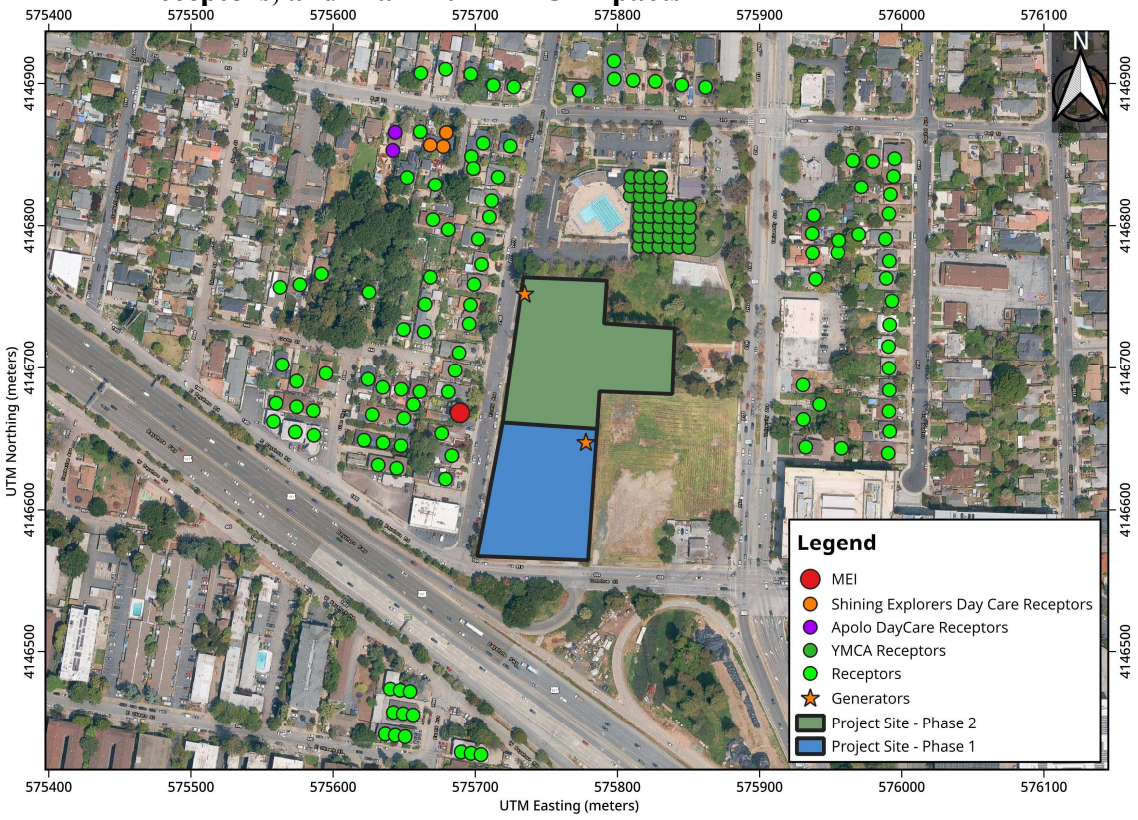
Additionally, modeling was conducted to predict cancer risks, non-cancer health hazards, and maximum $PM_{2.5}$ concentrations associated with construction activities at the nearby daycares and YMCA. The maximum increased cancer risks were adjusted using infant exposure parameters during construction and child exposure parameters during operation. Of these locations, the highest health risks occurred at the Shining Explorers Day Care. The impacts at this location from the combination of the construction and operational cancer risks exceed the Air District single-source significance threshold. However, with the inclusion of *FEIR Mitigation Measure AQ-2*, the mitigated risks would be below the threshold. The annual $PM_{2.5}$ concentration and HI from project activities would be below the single-source significance threshold.

Table 7. Construction Risk Impacts at the Off-Site MEIs

Source		Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Project Impact				
Project Construction (Years 0 – 3)	Unmitigated	**14.51 (infant)**	0.15	0.01
	Mitigated[1]	2.10 (infant)	0.11	<0.01
Project Generators (Years 2 – 30)		0.49	<0.01	<0.01
Project Total/Maximum Impact (Years 0 – 30)	Unmitigated	**15.00**	0.15	0.01
	Mitigated	2.60	0.11	<0.01
Air District Single-Source Threshold		***10.0***	***0.3***	***1.0***
Exceed Threshold?	Unmitigated	***Yes***	*No*	*No*
	Mitigated[1]	*No*	*No*	*No*
Most Impacted Daycare Receptor – Shining Explorers Day Care				
Project Construction	Unmitigated	9.63 (infant)	0.04	<0.01
	Mitigated[1]	1.29 (infant)	0.02	<0.01
Project Generators (Years 2 – 6)		0.57 (child)	<0.01	<0.01
Project Total/Maximum Impact (Years 0 – 6)	Unmitigated	**10.20**	0.04	<0.01
	Mitigated	1.86	0.02	<0.01
Air District Single-Source Threshold		***10***	***0.3***	***1.0***
Exceed Threshold?	Unmitigated	***Yes***	*No*	*No*
	Mitigated[1]	*No*	*No*	*No*

Notes: [1] Construction equipment with Tier 4 Final engines as mitigation.

Figure 1. Location of Project Construction Sites, Project Generators, Off-Site Sensitive Receptors, and Maximum TAC Impacts

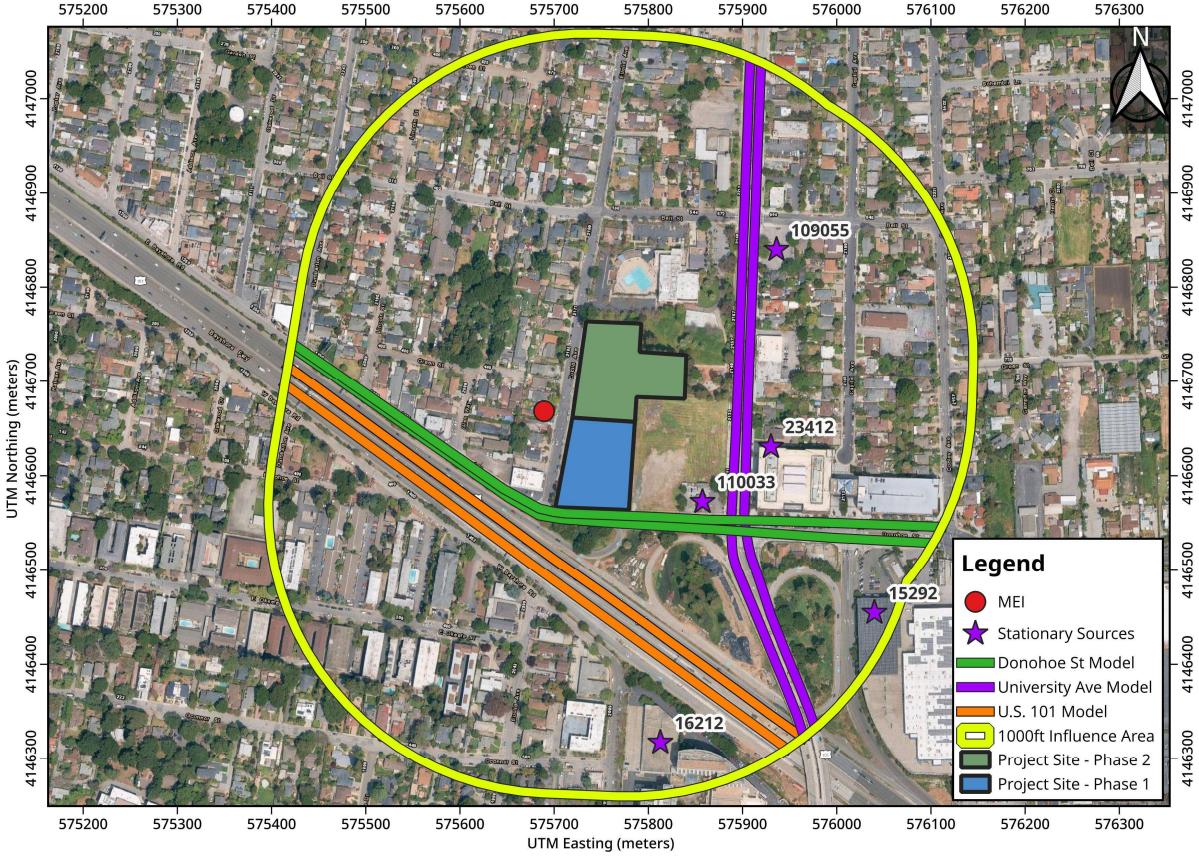


Cumulative Health Risks of all TAC Sources at the Offsite Project MEI

Cumulative health risk assessments look at all substantial sources of TACs located within 1,000 feet of a project site (i.e., influence area) that can affect sensitive receptors. These sources include rail lines, highways, busy surface streets, and stationary sources identified by the Air District.

A review of the project area using Air District's geographic information systems (GIS) screening maps identified the existing health risks from nearby roadway and stationary sources at the MEI. U.S. 101, University Avenue, and Donohoe Street and five stationary sources within the 1,000-foot influence area could have cumulative health risk impacts at the MEI. Figure 2 shows the locations of the sources affecting the MEI within the influence area. Health risk impacts from these sources upon the MEIs are reported in Table 8. Details of the cumulative screening and health risk calculations are included in *Attachment 3.*

Figure 2. Project Site and Nearby TAC and $PM_{2.5}$ Sources



Highways – U.S. 101

The project MEIs are located near U.S. 101. A refined analysis of the impacts of TACs and $PM_{2.5}$ to the MEI receptors are necessary to evaluate potential cancer risks and $PM_{2.5}$ concentrations from U.S. 101. A review of the traffic information reported by Caltrans indicates that U.S. 101 traffic

includes 208,000 vehicles per day (based on an annual average)[31] that are about 4.2 percent trucks, of which 1.7 percent are considered diesel heavy duty trucks and 2.6 percent are medium duty trucks.[32]

Local Roadways – University Avenue and Donohoe Street

A refined analysis of potential health impacts from vehicle traffic on University Avenue and Donohoe Street was conducted since traffic data provided by the project's traffic consultant indicated a high volume of traffic on both roadways[33]. The refined analysis involved predicting emissions for the traffic volume and mix of vehicle types on the roadway near the project site and using an atmospheric dispersion model to predict exposure to TACs. The associated cancer risks are then computed based on the modeled exposures.

Traffic Emissions Modeling

This analysis involved the development of DPM, organic TACs, and $PM_{2.5}$ emissions for traffic on U.S. 101, University Avenue, and Donohoe Street using the Caltrans version of the CARB EMFAC2021 emissions model, known as CT-EMFAC2021. CT-EMFAC2021 provides emission factors for mobile source criteria pollutants and TACs, including DPM. Emission processes modeled include running exhaust for DPM, $PM_{2.5}$ and total organic compounds (TOG), running evaporative losses for TOG, and tire and brake wear and fugitive road dust for $PM_{2.5}$. All $PM_{2.5}$ emissions from all vehicles were used, rather than just the $PM_{2.5}$ fraction from diesel powered vehicles, because all vehicle types (i.e., gasoline and diesel powered) produce $PM_{2.5}$. Additionally, $PM_{2.5}$ emissions from vehicle tire and brake wear from re-entrained roadway dust were included in these emissions. DPM emissions are projected to decrease in the future and are reflected in the CT-EMFAC2021 emissions data. Inputs to the model include region (San Mateo County), type of road (freeway and major/collector), traffic mix assigned by CT-EMFAC2021 for the county for the local roadways, then adjusted with the local truck mix for U.S. 101, year of analysis (2027 – construction start year), and season (annual).

To estimate TAC and $PM_{2.5}$ emissions over the 30-year exposure period used for calculating the increased cancer risks for sensitive receptors at the MEI, the CT-EMFAC2021 model was used to develop vehicle emission factors for the year 2027 (construction start year). Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CT-EMFAC2021. Year 2027 emissions were conservatively assumed as being representative of future conditions over the time period that cancer risks are evaluated since, as discussed above, overall vehicle emissions, and in particular diesel truck emissions, will decrease in the future.

The ADT volumes and truck percentages were based on Caltrans data for U.S. 101. Traffic volumes were assumed to increase 1 percent per year for a total of 214,240 vehicles. Hourly traffic

[31] Caltrans. 2024. *2024 Traffic Volumes California State Highways.*
[32] Caltrans. 2024. *2024 Annual Average Daily Truck Traffic on the California State Highway System.*
[33] Email Correspondence from Carolyn Mogollon, Project Manager, David J. Powers & Associates, Inc., November 6, 2024, *2120-2160 Euclid Ave Traffic Volumes - for Air & Noise.xlsx.*

distributions specific to these segments of U.S. 101 were obtained from Caltrans Performance Measurement System (PeMS). PeMS data is collected in real-time from nearly 40,000 individual detectors spanning the freeway system across all major metropolitan areas of California.[34] The fraction of traffic volume each hour was calculated and applied to the 2027 average daily traffic volumes estimate to estimate hourly traffic emission rates for U.S. 101.

Based on traffic data from the Caltrans PeMS, traffic speeds during the daytime and nighttime periods were identified. For northbound traffic on U.S. 101, the following was assumed for all vehicles:

- 70 mph – From 12:00 a.m. until 6:00 a.m. and 10:00 p.m. until 12:00 a.m.
- 65 mph – From 6:00 a.m. until 8:00 a.m., 12:00 p.m. until 2:00 p.m., and 7:00 p.m. until 10:00 p.m.
- 60 mph – From 8:00 a.m. until 12:00 p.m., and 2:00 p.m. until 3:00 p.m.
- 55 mph – From 3:00 p.m. until 7:00 p.m.

For southbound traffic on U.S. 101, the following was assumed for all vehicles:

- 70 mph – From 12:00 a.m. until 6:00 a.m. and 10:00 p.m. until 12:00 a.m.
- 65 mph – From 6:00 a.m. until 7:00 a.m., and 7:00 p.m. until 10:00 p.m.
- 60 mph – From 7:00 a.m. until 8:00 a.m. and 10:00 a.m. until 7:00 p.m.
- 55 mph – From 8:00 a.m. until 10:00 a.m.

The ADT for University Avenue and Donohoe Street was calculated based on traffic data provided by the project's traffic consultant.[35] Assuming a 1 percent per year increase, the predicted ADT on University Avenue was 38,976 vehicles and 23,711 vehicles on Donohoe Street. The hourly traffic distributions obtained for U.S. 101 were also applied to the daily traffic volumes on University Avenue and Donohoe Street. An average travel speed of 25 mph for traffic on both roadways was used for all hours of the day based on posted speed limit signs on each roadway.

This analysis involved the development of DPM, organic TACs, and $PM_{2.5}$ emissions for future traffic on U.S. 101, University Avenue, and Donohoe Street and using these emissions with an air quality dispersion model to calculate TAC and $PM_{2.5}$ concentrations at the project MEI receptor location. Maximum increased lifetime cancer risks and annual $PM_{2.5}$ concentrations for the receptors were then computed using modeled TAC and $PM_{2.5}$ concentrations and Air District methods and exposure parameters.

Dispersion Modeling

Dispersion modeling of TAC and $PM_{2.5}$ emissions was conducted using the EPA AERMOD air quality dispersion model, which is recommended by the Air District for this type of analysis.[36]

[34] Caltrans Performance Measurement System (PeMS) Data Source. URL: https://dot.ca.gov/programs/traffic-operations/mpr/pems-source

[35] Email Correspondence from Carolyn Mogollon, Project Manager, David J. Powers & Associates, Inc., November 6, 2024, *2120-2160 Euclid Ave Traffic Volumes - for Air & Noise.xlsx.*

[36] Bay Area Air District. *Recommended Methods for Screening and Modeling Local Risks and Hazards*. May 2012

TAC and $PM_{2.5}$ emissions from traffic on U.S. 101, University Avenue, and Donohoe Street within 1,000 feet of the project site were evaluated. Vehicle traffic on the roadways was modeled as an R-Line source for each opposing travel direction on the roadways. The same meteorological data and off-site sensitive receptors used in the previous construction site dispersion modeling scenario were used in the roadway modeling. Other inputs to the model included road geometry, hourly traffic emissions, and receptor locations. Annual TAC and $PM_{2.5}$ concentrations using 2027 emissions from traffic on each roadway were calculated using the model. Concentrations were calculated at the project MEI with a receptor height of 5 feet (1.5 meters) to represent the breathing heights on the first floor of residents in the single-family residences.

Computed Cancer and Non-Cancer Health Impacts

The cancer risk, $PM_{2.5}$ concentration, and HI impacts from U.S. 101, University Avenue, and Donohoe Street on the off-site MEI are shown in Table 8. Figure 2 shows the roadway links modeled and receptor locations where concentrations were calculated. Details of the emission calculations, dispersion modeling, and cancer risk calculations for the receptors with the maximum cancer risk from traffic on both roadways are provided in *Attachment 3.*

Bay Area Air District Permitted Stationary Sources

Permitted stationary sources of air pollution near the project site were identified using Air District's *Permitted Stationary Sources 2024* GIS website,[37] which identifies the location of nearby stationary sources and their estimated risk and hazard impacts, including emissions and adjustments to account for OEHHA guidance. Five sources were identified using this tool, one generic source, two diesel generators, and two gasoline dispensing facilities. The Air District's GIS website provided screening risks and hazards for the generic source and diesel generators, and throughputs for the gas dispensing facilities.

The screening risk and hazard levels provided by the Air District for the stationary sources were adjusted for distance using the Air District's *Distance Adjustment Multiplier Tool for Generic Sources and Diesel Internal Combustion Engines* and CARB's *Gasoline Station Risk Screening Tool.* The provided throughputs along with the distance between the Project receptors and the gas dispensing facility, and the region for each gas station was input into the CARB tool to calculate the cancer risk and hazard index. Health risk impacts from the stationary source upon the MEI are reported in Table 8.

Summary of Cumulative Health Risk Impact at Construction MEI

Table 8 reports both the project and cumulative health risk impacts at the sensitive receptors most affected by construction (i.e., the MEI). The project would have an exceedance with respect to health risk caused by project construction activities since the Unmitigated cancer risk and annual $PM_{2.5}$ concentration exceed or are at their respective Air District single-source thresholds. However, with the inclusion of *FEIR Mitigation Measure AQ-2,* the project no longer exceeds the

[37] Bay Area Air District, *Stationary Source Screening Map*, 2026. Web: https://experience.arcgis.com/experience/89ba715c4dc7427f85e2d2fc5b8175ff/page/Stationary-Source-Screening-Tool

Air District single-source significance threshold for cancer risk. The project does not exceed any Air District cumulative-source threshold.

Table 8. Impacts from Combined Sources at Project MEI

Source		Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Project Impacts				
Project Total/Maximum Impact (Years 0 – 30)	Unmitigated	**15.00**	0.15	0.01
	Mitigated	2.60	0.11	<0.01
Air District Single-Source Threshold		***10.0***	***0.3***	***1.0***
Exceed Threshold?	Unmitigated	***Yes***	*No*	*No*
	Mitigated	*No*	*No*	*No*
Cumulative Impacts				
U.S. 101, ADT 214,240		5.48	0.23	<0.01
University Ave, ADT 38,976		0.54	0.03	<0.01
Donohoe Street, ADT 23,711		1.33	0.08	<0.01
Four Seasons Silicon Valley (Facility ID #16212, Accommodation and Food Services), MEI at 1000+ feet.		1.45	0.17	0.04
University Plaza EPA LLC c/o Sobrato Organization (Facility ID #23412, Generator), MEI at 820 feet.		0.06	0.00	0.00
East Palo Alto Shell (Facility ID #109055-1, Gas Dispensing Facility), MEI at 930 feet.		0.09	0.00	0.03
CHEVRON SS #9-1081 (Facility ID #110033-1, Gas Dispensing Facility), MEI at 600 feet.		1.60	0.00	0.15
IKEA California LLC (Facility ID #15292, Generator), MEI at 1000+ feet.		0.16	<0.01	0.00
Cumulative Total	Unmitigated	25.71	<0.67	<0.26
	Mitigated	13.31	<0.63	<0.26
Air District Cumulative Source Threshold		***100***	***0.8***	***10.0***
Exceed Threshold?	Unmitigated	*No*	*No*	*No*
	Mitigated	*No*	*No*	*No*

FEIR Mitigation Measure AQ-2: **Use construction equipment that has low diesel particulate matter exhaust emissions.**

All construction equipment larger than 50 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 Final emission standards for PM (PM_{10} and $PM_{2.5}$), if feasible. If Tier 4 Final equipment is not available for a particular piece of equipment, then use equipment that meets U.S. EPA emission standards for Tier 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 35 percent reduction in particulate matter exhaust in comparison to Unmitigated equipment.

Effectiveness of FEIR Mitigation Measure AQ-2

CalEEMod was used to compute emissions associated with this condition assuming that all construction equipment met U.S. EPA Tier 4 Final engine standards were applied. With these implemented, the project's construction cancer risk levels (assuming infant exposure) would be reduced by 86 percent to 2.10 per million. As a result, the project's construction risks and hazards would be reduced below the Air District single-source thresholds.

On-Site Health Risk Assessment for TAC Sources - New Project Residences

The City's General Plan Policy 10.1 and 10.2 requires new residential development projects and to incorporate effective mitigation into project designs to avoid significant health risks. In addition, the Bay Area Air District CEQA Air Quality Guidelines recommend health risk thresholds for new sensitive receptors located near existing sources of air pollution and TACs. Therefore, a health risk assessment was completed to assess the impact that the phased construction emissions from the proposed project and nearby existing TAC sources would have on the new proposed sensitive receptors (residents) that the project would introduce. The same TAC sources identified above were used in this assessment.[38] The Air District's recommended thresholds for health risks and hazards, shown in Table 1, are used to evaluate on-site exposure. Figure 3 shows the on-site sensitive receptors in relation to the nearby TAC sources. Health risk results are listed in Table 9. *Attachment 3* includes the dispersion modeling and risk calculations for TAC source impacts upon the proposed on-site sensitive receptors.

Project Phased Construction

Project sensitive receptors could occupy the Phase 1 building once construction is completed while Phase 2 is still being constructed. Therefore, it was assumed that Phase 1 would have sensitive receptors during Phase 2 construction. The construction analysis for the Phase 1 residents was conducted in the same manner as described above for the off-site project MEI. Receptors were placed throughout the Phase 1 building at the location of proposed dwelling units. Construction impacts were modeled at receptor heights of 18 feet (5.5 meters), and 29 feet (8.8 meters) representing breathing heights on the second and third floors of the proposed building. These are the first and second floors where dwelling units are proposed.

Maximum increased cancer risks were calculated for the Phase 1 residents using the maximum modeled TAC concentrations. A 30-year exposure period was used in calculating cancer risks assuming the residents would include third trimester pregnancy and infants/children and were assumed to occupy the Phase 1 building for 24 hours per day for 350 days per year. Maximum Phase 2 construction impacts occurred on the second floor (18 feet above ground) at a dwelling unit in the northeastern corner of the Phase 1 building, as shown in Figure 3. The project Phase 2 construction health risk impacts upon Phase 1 receptors are shown in Table 9. Details of the on-site construction emission calculations, dispersion modeling, and cancer risk calculations are contained in *Attachment 2.*

Highways & Local Roadways – U.S. 101, University Avenue, & Donohoe Street

[38] We note that to the extent this analysis considers *existing* air quality issues in relation to the impact on *future residents* of the Project, it does so for informational purposes only pursuant to the judicial decisions in *CBIA v. BAAQMD* (2015) 62 Cal.4th 369, 386 and *Ballona Wetlands Land Trust v. City of Los Angeles* (2011) 201 Cal.App.4th 455, 473, which confirm that the impacts of the environment on a project are excluded from CEQA unless the project itself "exacerbates" such impacts.

The highway and roadway health risk assessment on new project residents was conducted in the same manner as described above for the off-site MEI. However, the year 2029 (operational year) emission factors were conservatively assumed as being representative of future conditions, instead of 2027 (construction year). An analysis based on 2029 resulted in an increased ADT on U.S. 101 of 218,400 vehicles, 39,732 vehicles on University Avenue, and 24,171 vehicles on Donohoe Street.

The same project set of receptors used in the onsite construction health risk modeling were used for the highway and roadway analysis. For conservatism, it was assumed that Phase 2 sensitive receptors were also present even though construction of Phase 2 would be ongoing during 2029. Roadway impacts were modeled at receptor heights of 18 feet (5.5 meters), and 29 feet (8.8 meters) representing breathing heights on the second and third floors of the proposed building. These are the first and second floors where dwelling units are proposed. The portions of U.S. 101, University Avenue, and Donohoe Street included in the modeling are shown in Figure 3 along with the project site and receptor locations where impacts were modeled.

Maximum increased cancer risks were calculated for the residents at the project site using the maximum modeled TAC concentrations. A 30-year exposure period was used in calculating cancer risks assuming the residents would include infants and adults were assumed to be in the new apartments for 24 hours per day for 350 days per year. The maximum impacts from the all roadways occurred at a receptor on the second floor (18 feet above the ground) in the southwest corner of the Phase 1 building. Cancer risks associated with the roadways are greatest closest to the roadway and decrease with distance from the road. The roadway impacts at the project site are shown in Table 9. Details of the emission calculations, dispersion modeling, and cancer risk calculations are contained in *Attachment 3.*

Stationary Sources

The stationary source screening analysis for the new project sensitive receptors was conducted in the same manner as described above for evaluating the off-site MEIs. Table 9 shows the health risk screening assessment results from the stationary sources at the project site.

Summary of Cumulative Health Risks at the Project Site

Health risk impacts from the project and existing TAC sources upon the project site are reported in Table 9. The risks from the singular TAC sources are compared against the Air District single-source threshold. The risks from all the sources are then combined and compared against the Air District cumulative-source threshold. As shown, one existing screened stationary source of TAC emissions exceed the Air District single-source threshold for annual $PM_{2.5}$ concentration. All other risk values are below the Air District single-source and cumulative-source thresholds.

It should be noted that the modeled results shown in Table 9 include the effects of MERV13 filtration but the screened results do not. MERV13 filtration will be installed to comply with the *2025 California Building Code (CBC), Section 160.2*. A properly installed and operated ventilation

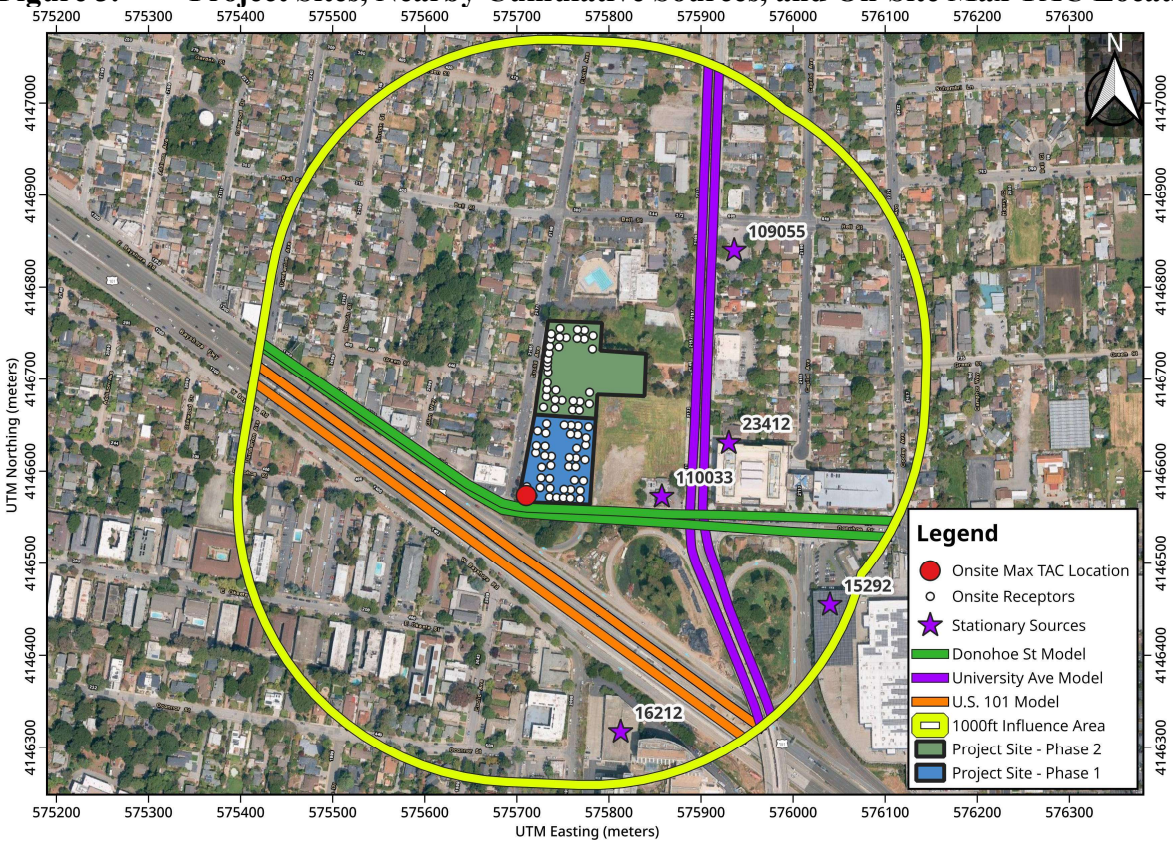
system with MERV13 would achieve an 80-percent reduction for small particulates.[39] The overall effectiveness calculations take into account the amount of time spent outdoors and away from home. Assuming that the filtration system is 80-percent effective and the individual is being exposed to 21 hours of indoor filtered air and three hours of outdoor unfiltered air, then the overall effectiveness of a MERV13 filtration system would be about 70-percent for DPM and $PM_{2.5}$ exposure. While Table 9 shows an exceedance of the Air District single-source significance threshold from the Four Seasons Silicon Valley existing TAC source, if this source were modeled and the effects of MERV13 filtration included, the actual health risk would be far below the Air District single-source significance threshold.

Table 9. Impacts from Nearby Sources to Project Site Receptors

Source	Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Single-Source Impacts – Modeled Impacts			
Phase 2 Construction upon Phase 1	3.92	0.11	0.01
U.S. 101, ADT 218,400	2.95	0.12	<0.01
University Ave, ADT 39,732	0.33	0.02	<0.01
Donohoe Street, ADT 24,171	0.75	0.04	<0.01
Screening Impacts			
Four Seasons Silicon Valley (Facility ID #16212, Accommodation and Food Services), MEI at 1000+ feet.	2.62	**0.31**	0.07
University Plaza EPA LLC c/o Sobrato Organization (Facility ID #23412, Generator), MEI at 820 feet.	0.25	0.00	0.00
East Palo Alto Shell (Facility ID #109055-1, Gas Dispensing Facility), MEI at 930 feet.	0.33	0.00	0.13
CHEVRON SS #9-1081 (Facility ID #110033-1, Gas Dispensing Facility), MEI at 600 feet.	7.59	0.00	0.74
IKEA California LLC (Facility ID #15292, Generator), MEI at 1000+ feet.	0.20	<0.01	0.00
Air District Single-Source Threshold	***>10.0***	***>0.3***	***>1.0***
Exceed Threshold?	*No*	***Yes***	*No*
Cumulative Total	18.94	<0.61	0.98
Air District Cumulative Source Threshold	***>100***	***>0.8***	***>10.0***
Exceed Threshold?	*No*	*No*	*No*

[39] Bay Area Air District (2016). Appendix B: Best Practices to Reduce Exposure to Local Air Pollution, *Planning Healthy Places A Guidebook for Addressing Local Sources of Air Pollutants in Community Planning* (p. 38). http://www.BAAQMD.gov/~/media/files/planning-and-research/planning-healthy-places/php_may20_2016-pdf.pdf?la=en

Figure 3. Project Sites, Nearby Cumulative Sources, and On-Site Max TAC Locations



Supporting Documentation

Attachment 1 includes the CalEEMod outputs for project construction and operational criteria air pollutants. Also included are any modeling assumptions.

Attachment 2 includes the project health risk assessment. This includes the summary of the dispersion modeling and the cancer risk calculations for construction. The AERMOD dispersion modeling files for this assessment, which are quite voluminous, are available upon request and would be provided in digital format.

Attachment 3 includes the cumulative health risk screening, modeling results, and health risk calculations from sources affecting the project MEIs and new project sensitive receptors.

Attachment 1: CalEEMod Input Assumptions and Outputs

Air Quality/Noise Construction Information Data Request

Project Name: 2120-2160 Euclid Ave, East Palo Alto Phase 1 (Building A) DEFAULT

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size	220 Dwelling Units	_____ total project acres disturbed
	219,286 s.f. residential	
	2,074 s.f. retail	
	1,717 s.f. office/commercial	
	13,167 s.f. other, specify: amenity space	
	56,766 s.f. parking garage	111 spaces
	_____ s.f. parking lot	_____ spaces
Construction Days (i.e, M-F)	7AM - 6PM M-F; 9AM - 5PM	to _____
Construction Hours	am	to pm

Pile Driving? No

Project include on-site GENERATOR OR FIRE PUMP during project OPERATION (not construction)? No

IF YES (if BOTH separate values) -->

Kilowatts/Horsepower: _____

Fuel Type: _____

Location in project (Plans Desired if Available):

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	**Start Date:**	6/1/2027	**Total phase:**	20			**Overall Import/Export Volumes**
		End Date:	7/3/2027					
1	Concrete/Industrial Saws	81	0.73	8	20	8	9461	**Demolition Volume**
2	Excavators	158	0.38	8	20	8	19213	Square footage of buildings to be demolished
2	Rubber-Tired Dozers	247	0.4	8	20	8	31616	(*or* total tons to be hauled)
	Tractors/Loaders/Backhoes	97	0.37			0	0	49,088 square feet *or*
	Other Equipment?							_?_ Hauling volume (tons)
								Any pavement demolished and hauled? _?_ **tons**
	Site Preparation	**Start Date:**	7/6/2027	**Total phase:**	10			
		End Date:	7/10/2027					
1	Graders	187	0.41			0	0	
3	Rubber Tired Dozers	247	0.4	8	10	8	23712	
2	Tractors/Loaders/Backhoes	97	0.37	8	10	8	5742	
	Other Equipment?							
	Grading / Excavation/Underground	**Start Date:**	7/13/2027	**Total phase:**	20			
		End Date:	10/30/2027					**Soil Hauling Volume**
1	Excavators	158	0.38	8	20	8	9606	Export volume = 9,431 cubic yards
1	Graders	187	0.41	8	20	8	12267	Import volume = _?_ cubic yards?
1	Rubber Tired Dozers	247	0.4	8	20	8	15808	
	Concrete/Industrial Saws	81	0.73			0	0	
3	Tractors/Loaders/Backhoes	97	0.37	8	20	8	17227	
	Other Equipment?							
	Trenching/Foundation	**Start Date:**	11/2/2027	**Total phase:**	20			
		End Date:	2/26/2028					
1	Tractor/Loader/Backhoe	97	0.37	8	8	3.2	2297	
1	Excavators	158	0.38	8	8	3.2	3843	
	Other Equipment?							
	Building - Exterior	**Start Date:**	3/1/2028	**Total phase:**	230			**Cement Trucks? _?_ Total Round-Trips**
		End Date:	10/2/2028					
1	Cranes	231	0.29	7	230	7	107854	Electric? (Y/N) ___ Otherwise assumed diesel
3	Forklifts	89	0.2	8	230	8	98256	Liquid Propane (LPG)? (Y/N) ___ Otherwise Assumed diesel
1	Generator Sets	84	0.74	8	230	8	114374	Or temporary line power? (Y/N) ___
3	Tractors/Loaders/Backhoes	97	0.37	7	230	7	173349	
1	Welders	46	0.45	8	230	8	38088	
	Other Equipment?							
	Building - Interior/Architectural Coating	**Start Date:**	4/5/2028	**Total phase:**	20			
		End Date:	10/2/2028					
1	Air Compressors	78	0.48	6	20	6	4493	
	Aerial Lift	62	0.31			0	0	
	Other Equipment?							
	Paving	**Start Date:**	2/1/2028	**Total phase:**	20			
		Start Date:	3/1/2028					
	Cement and Mortar Mixers	9	0.56			0	0	
1	Pavers	130	0.42	8	20	8	8736	**Asphalt? ___ cubic yards or ____ round trips?**
1	Paving Equipment	132	0.36	8	20	8	7603	
1	Rollers	80	0.38	8	20	8	4864	
	Tractors/Loaders/Backhoes	97	0.37			0	0	
	Other Equipment?							
	Additional Phases	**Start Date:**		**Total phase:**				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Complete one sheet for each project component

Air Quality/Noise Construction Information Data Request

Project Name: 2120-2160 Euclid Ave, East Palo Alto Phase 2 (Building B) DEFAULTS

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size
- 210 Dwelling Units
- _____ total project acres disturbed
- 217,833 s.f. residential
- _____ s.f. retail
- _____ s.f. office/commercial
- 18,082 s.f. other, specify: amenity space
- 157,306 s.f. parking garage — 321 spaces
- _____ s.f. parking lot — _____ spaces

Construction Days (i.e, M-F) 7AM - 6PM M-F; 9AM - 5PM Sat to _____

Construction Hours _____ am to _____ pm

Pile Driving? NO

Project include on-site GENERATOR OR FIRE PUMP during project OPERATION (not construction)? NO

IF YES (if BOTH separate values) -->

Kilowatts/Horsepower: _____

Fuel Type: _____

Location in project (Plans Desired if Available):

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	**Start Date:**	10/2/2028	**Total phase:**	**20**			**Overall Import/Export Volumes**
		End Date:	11/3/2028					
1	Concrete/Industrial Saws	81	0.73	8	20	8	9461	**Demolition Volume**
3	Excavators	158	0.38	8	20	8	28819	Square footage of buildings to be demolished
2	Rubber-Tired Dozers	247	0.4	8	20	8	31616	(*or* total tons to be hauled)
	Tractors/Loaders/Backhoes	97	0.37			0	0	0 square feet *or*
	Other Equipment?							_?_ Hauling volume (tons)
								Any pavement demolished and hauled? _?_ **tons**
	Site Preparation	**Start Date:**	11/6/2028	**Total phase:**	**10**			
		End Date:	11/17/2028					
	Graders	187	0.41			0	0	
2	Rubber Tired Dozers	247	0.4	8	10	8	15808	
3	Tractors/Loaders/Backhoes	97	0.37	8	10	8	8614	
	Other Equipment?							
	Grading / Excavation	**Start Date:**	11/20/2028	**Total phase:**	**20**			
		End Date:	3/30/2029					**Soil Hauling Volume**
1	Excavators	158	0.38	8	20	8	9606	Export volume = _?_ cubic yards?
1	Graders	187	0.41	8	20	8	12267	Import volume = _?_ cubic yards?
1	Rubber Tired Dozers	247	0.4	8	20	8	15808	
	Concrete/Industrial Saws	81	0.73			0	0	
2	Tractors/Loaders/Backhoes	97	0.37	8	20	8	11485	
	Other Equipment?							
	Trenching/Foundation	**Start Date:**	4/2/2029	**Total phase:**	**20**			
		End Date:	7/27/2029					
1	Tractor/Loader/Backhoe	97	0.37	8	20	8	5742	
2	Excavators	158	0.38	8	20	8	19213	
	Other Equipment?							
	Building - Exterior	**Start Date:**	7/30/2029	**Total phase:**	**230**			**Cement Trucks? _?_ Total Round-Trips**
		End Date:	2/22/2030					
1	Cranes	231	0.29	7	230	7	107854	Electric? (Y/N) Otherwise assumed diesel
3	Forklifts	89	0.2	8	230	8	98256	Liquid Propane (LPG)? (Y/N) Otherwise Assumed diesel
1	Generator Sets	84	0.74	8	230	8	114374	Or temporary line power? (Y/N) ___
3	Tractors/Loaders/Backhoes	97	0.37	7	230	7	173349	
1	Welders	46	0.45	8	230	8	38088	
	Other Equipment?							
	Building - Interior/Architectural Coating	**Start Date:**	8/31/2029	**Total phase:**	**20**			
		End Date:	2/22/2030					
1	Air Compressors	78	0.48	6	20	6	4493	
	Aerial Lift	62	0.31			0	0	
	Other Equipment?							
	Paving	**Start Date:**	7/2/2029	**Total phase:**	**20**			
		Start Date:	7/27/2029					
	Cement and Mortar Mixers	9	0.56			0	0	
1	Pavers	130	0.42	8	20	8	8736	**Asphalt? ___ cubic yards or ____ round trips?**
2	Paving Equipment	132	0.36	8	20	8	15206	
1	Rollers	80	0.38	8	20	8	4864	
	Tractors/Loaders/Backhoes	97	0.37			0	0	
	Other Equipment?							
	Additional Phases	**Start Date:**		**Total phase:**				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Complete one sheet for each project component

Total Project Construction Criteria Air Pollutants							
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	PM2.5 Fugitive	**CO2e**	
Year	Tons					MT	
Construction Equipment							
2027	0.12	1.19	0.05	0.04	0.08	277.23	
2028	1.81	1.76	0.06	0.05	0.09	574.72	
2029 + 2030	1.87	1.66	0.05	0.05	0.11	611.61	
	Total Construction Emissions						
Tons	3.80	4.62	0.15	0.14		1463.56	
Pounds/Workdays	*Average Daily Emissions*					Workdays	
2027	1.34	13.01	0.49	0.45			**183**
2028	11.48	11.21	0.37	0.34			**315**
2029 + 2030	10.44	9.28	0.28	0.26			**358**
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			
	Total Construction Emissions						
Pounds	7596.25	9239.42	306.17	282.11		0.00	
Average	8.87	10.79	0.36	0.33		0.00	856.29
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			

Operational Criteria Air Pollutants				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Total	3.11	0.82	1.24	0.33
	Net Annual Operational Emissions			
Tons/year	3.11	0.82	1.24	0.33
Threshold - Tons/year	**10.0**	**10.0**	**15.0**	**10.0**
	Average Daily Emissions			
Pounds Per Day	17.06	4.47	6.79	1.81
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**

Phase 1 Total Construction Criteria Air Pollutants							
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	M2.5 Fugitiv	**CO2e**	
Year	Tons					MT	
Construction Equipment							
2027	0.12	1.19	0.05	0.04	0.08	277	
2028	1.73	1.14	0.03	0.03	0.05	459	
2029 + 2030							
	Total Construction Emissions						
Tons	1.86	2.33	0.08	0.07		736.29	
Pounds/Workdays	*Average Daily Emissions*					Workdays	
2027	1.34	13.01	0.49	0.45			**183**
2028	14.67	9.62	0.27	0.25			**237**
2029 + 2030							
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			
	Total Construction Emissions						
Pounds	3715.98	4662.13	155.00	142.87		0.00	
Average	8.85	11.10	0.37	0.34		0.00	420.00
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			

2029 Operational Criteria Air Pollutants				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Total	1.56	0.43	0.66	0.18
	Net Annual Operational Emissions			
Tons/year	1.56	0.43	0.66	0.18
Threshold -	**10.0**	**10.0**	**15.0**	**10.0**
	Average Daily Emissions			
Pounds Per Day	8.52	2.36	3.64	0.97
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**

2029 Operational + Apartment Construction Criteria Air Pollutants				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Phase 1 Operational	1.56	0.43	0.66	0.18
Phase 2 Construction	1.87	1.66	0.05	0.05
	Total Annual Operational Emissions			
Tons/year	3.42	2.09	0.71	0.22
Threshold - Tons/year	**10.0**	**10.0**	**15.0**	**10.0**
	Average Daily Emissions			
Phase 1 Operational	8.52	2.36	3.64	0.97
Phase 2 Construction	17.89	15.91	0.48	0.44
	Average Daily Emissions			
Pounds Per Day	26.41	18.27	4.12	1.41
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**

Phase 2 Total Construction Criteria Air Pollutants							
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	PM2.5 Fugitive	**CO2e**	
Year	Tons					MT	
Construction Equipment							
2027							
2028	0.07	0.63	0.03	0.02	0.04	116	
2029 + 2030	1.87	1.66	0.05	0.05	0.11	612	
	Total Construction Emissions						
Tons	1.94	2.29	0.08	0.07		727.27	
Pounds/Workdays	*Average Daily Emissions*					Workdays	
2027							
2028	1.81	16.05	0.65	0.60			**78**
2029 + 2030	10.44	9.28	0.28	0.26			**358**
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			
	Total Construction Emissions						
Pounds	3880.28	4577.30	151.17	139.24		0.00	
Average	8.89	10.49	0.35	0.32		0.00	436.29
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**			

24-140 2120-2160 Euclid Ave, East Palo Alto Phase 1 BMPs T4F C 2029 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	24-140 2120-2160 Euclid Ave, East Palo Alto Phase 1 BMPs T4F Const 2029
Construction Start Date	6/1/2027
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	18.8000
Location	2120 Euclid Ave, East Palo Alto, CA 94303, USA
County	San Mateo
City	East Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1281
EDFZ	1
Electric Utility	Peninsula Clean Energy
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.44

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	220.000	Dwelling Unit	1.84000	234,170	0.00000	—	634.000	—

Regional Shopping Center	2.07400	1000sqft	0.00000	2,074.00	0.00000	—	—	—
Unenclosed Parking with Elevator	111.000	Space	0.00000	56,766.0	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.3438	22.0055	28.4577	28.5059	0.04879	1.24805	7.99703	9.24508	1.14821	3.99135	5.13956	—	5,861.21	5,861.21	0.48147	0.42968	6.19787	6,006.10
Mit.	21.3990	21.2560	7.47661	28.6159	0.04876	0.09934	7.99703	8.09637	0.09934	3.99135	4.09069	—	5,861.21	5,861.21	0.48147	0.42968	6.19787	6,006.10
% Reduced	4%	3%	74%	> -0.5%	—	92%	—	12%	91%	—	20%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.3422	22.0054	15.6883	23.4137	0.03777	0.60862	3.12030	3.72892	0.56080	1.42831	1.98912	—	5,657.46	5,657.46	0.26222	0.19849	0.16083	5,723.31
Mit.	21.3974	21.2559	5.62669	25.6456	0.03777	0.09666	3.12030	3.18670	0.09418	1.42831	1.49471	—	5,657.46	5,657.46	0.26222	0.19849	0.16083	5,723.31
% Reduced	4%	3%	64%	-10%	—	84%	—	15%	83%	—	25%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	9.68710	9.50628	6.53729	10.7605	0.01729	0.24658	1.12414	1.37071	0.22726	0.46405	0.69132	—	2,739.19	2,739.19	0.12381	0.09769	1.34197	2,772.74
Mit.	9.17122	9.09687	2.77418	11.6866	0.01729	0.04476	1.12414	1.15104	0.04351	0.46405	0.49096	—	2,739.19	2,739.19	0.12381	0.09769	1.34197	2,772.74
% Reduced	5%	4%	58%	-9%	—	82%	—	16%	81%	—	29%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.76790	1.73490	1.19305	1.96380	0.00316	0.04500	0.20516	0.25016	0.04148	0.08469	0.12617	—	453.504	453.504	0.02050	0.01617	0.22218	459.058
Mit.	1.67375	1.66018	0.50629	2.13280	0.00316	0.00817	0.20516	0.21007	0.00794	0.08469	0.08960	—	453.504	453.504	0.02050	0.01617	0.22218	459.058
% Reduced	5%	4%	58%	-9%	—	82%	—	16%	81%	—	29%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.80976	3.20586	28.4577	28.5059	0.04879	1.24805	7.99703	9.24508	1.14821	3.99135	5.13956	—	5,861.21	5,861.21	0.48147	0.42968	4.80658	6,006.10
2028	22.3438	22.0055	11.4435	20.6223	0.03234	0.32372	2.11833	2.44205	0.29847	0.50655	0.80502	—	5,318.06	5,318.06	0.23125	0.19070	6.19787	5,386.87
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.07961	1.64081	15.6883	18.6381	0.03307	0.60862	3.12030	3.72892	0.56080	1.42831	1.98912	—	4,002.43	4,002.43	0.25262	0.17604	0.05240	4,061.26
2028	22.3422	22.0054	14.0846	23.4137	0.03777	0.43648	2.11833	2.44205	0.40224	0.50655	0.85364	—	5,657.46	5,657.46	0.26222	0.19849	0.16083	5,723.31
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.86327	0.67447	6.53729	7.29986	0.01354	0.24658	1.12414	1.37071	0.22726	0.46405	0.69132	—	1,647.21	1,647.21	0.10947	0.08110	0.40036	1,674.51
2028	9.68710	9.50628	6.23567	10.7605	0.01729	0.17808	1.04655	1.22462	0.16416	0.25021	0.41438	—	2,739.19	2,739.19	0.12381	0.09769	1.34197	2,772.74
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2027	0.15755	0.12309	1.19305	1.33222	0.00247	0.04500	0.20516	0.25016	0.04148	0.08469	0.12617	—	272.714	272.714	0.01812	0.01343	0.06628	277.235
2028	1.76790	1.73490	1.13801	1.96380	0.00316	0.03250	0.19099	0.22349	0.02996	0.04566	0.07562	—	453.504	453.504	0.02050	0.01617	0.22218	459.058

2.2.2. Onsite Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.77679	3.17355	28.4353	28.1011	0.04879	1.24805	7.87303	9.12109	1.14821	3.96228	5.11049	—	5,285.74	5,285.74	0.21441	0.04288	0.00000	5,303.88
2028	21.7434	21.5275	9.73309	14.0536	0.02513	0.31559	0.00000	0.31559	0.29035	0.00000	0.29035	—	2,530.97	2,530.97	0.10267	0.02053	0.00000	2,539.66
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.88795	1.58640	14.2321	17.2743	0.02733	0.59767	2.76622	3.36389	0.54986	1.33625	1.88611	—	2,960.07	2,960.07	0.12007	0.02401	0.00000	2,970.23
2028	21.7434	21.5275	12.2387	17.8902	0.03038	0.42801	0.00000	0.42801	0.39377	0.00000	0.39377	—	3,152.97	3,152.97	0.12790	0.02558	0.00000	3,163.79
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.77576	0.65163	5.86442	6.69310	0.01082	0.24141	0.96914	1.21055	0.22210	0.42347	0.64557	—	1,164.73	1,164.73	0.04725	0.00945	0.00000	1,168.72
2028	9.38912	9.27223	5.33902	7.77692	0.01362	0.17393	0.00000	0.17393	0.16002	0.00000	0.16002	—	1,383.50	1,383.50	0.05612	0.01122	0.00000	1,388.25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.14158	0.11892	1.07026	1.22149	0.00198	0.04406	0.17687	0.22093	0.04053	0.07728	0.11782	—	192.834	192.834	0.00782	0.00156	0.00000	193.495
2028	1.71351	1.69218	0.97437	1.41929	0.00249	0.03174	0.00000	0.03174	0.02920	0.00000	0.02920	—	229.054	229.054	0.00929	0.00186	0.00000	229.840

2.2.3. Offsite Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2027	0.45227	0.08813	3.63486	2.96760	0.01530	0.02915	0.71608	0.74522	0.02915	0.19198	0.22112	—	2,576.04	2,576.04	0.34820	0.40303	4.80658	2,709.66
2028	0.60040	0.47795	1.71040	6.56877	0.00721	0.00812	2.11833	2.12646	0.00812	0.50655	0.51468	—	2,787.08	2,787.08	0.12858	0.17017	6.19787	2,847.21
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.19166	0.05441	1.45616	1.36374	0.00575	0.01094	0.35409	0.36503	0.01094	0.09206	0.10300	—	1,042.36	1,042.36	0.13255	0.15202	0.05240	1,091.02
2028	0.59878	0.47785	1.85660	6.18800	0.00739	0.00848	2.11833	2.12646	0.00848	0.50655	0.51468	—	2,692.36	2,692.36	0.13432	0.17291	0.16083	2,746.59
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.08752	0.02284	0.67286	0.60676	0.00271	0.00516	0.15500	0.16016	0.00516	0.04058	0.04575	—	482.484	482.484	0.06222	0.07165	0.40036	505.791
2028	0.29799	0.23405	0.89664	2.98362	0.00367	0.00414	1.04655	1.05069	0.00414	0.25021	0.25436	—	1,355.69	1,355.69	0.06769	0.08646	1.34197	1,384.49
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01597	0.00417	0.12280	0.11073	0.00049	0.00094	0.02829	0.02923	0.00094	0.00741	0.00835	—	79.8807	79.8807	0.01030	0.01186	0.06628	83.7395
2028	0.05438	0.04271	0.16364	0.54451	0.00067	0.00076	0.19099	0.19175	0.00076	0.04566	0.04642	—	224.450	224.450	0.01121	0.01432	0.22218	229.218

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.79284	0.52900	7.47661	28.6159	0.04876	0.09934	7.99703	8.09637	0.09934	3.99135	4.09069	—	5,861.21	5,861.21	0.48147	0.42968	4.80658	6,006.10
2028	21.3990	21.2560	5.17080	22.3539	0.03234	0.08459	2.11833	2.20292	0.08211	0.50655	0.58866	—	5,318.06	5,318.06	0.23125	0.19070	6.19787	5,386.87
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.47857	0.34132	3.49865	19.1290	0.03304	0.06639	3.12030	3.18670	0.06639	1.42831	1.49471	—	3,998.91	3,998.91	0.25248	0.17601	0.05240	4,057.73
2028	21.3974	21.2559	5.62669	25.6456	0.03777	0.09666	2.11833	2.20292	0.09418	0.50655	0.58866	—	5,657.46	5,657.46	0.26222	0.19849	0.16083	5,723.31
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2027	0.20298	0.13830	1.65865	7.40749	0.01353	0.02690	1.12414	1.15104	0.02690	0.46405	0.49096	—	1,646.25	1,646.25	0.10943	0.08109	0.40036	1,673.55
2028	9.17122	9.09687	2.77418	11.6866	0.01729	0.04476	1.04655	1.09131	0.04351	0.25021	0.29372	—	2,739.19	2,739.19	0.12381	0.09769	1.34197	2,772.74
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03704	0.02524	0.30270	1.35187	0.00247	0.00491	0.20516	0.21007	0.00491	0.08469	0.08960	—	272.555	272.555	0.01812	0.01343	0.06628	277.075
2028	1.67375	1.66018	0.50629	2.13280	0.00316	0.00817	0.19099	0.19916	0.00794	0.04566	0.05360	—	453.504	453.504	0.02050	0.01617	0.22218	459.058

2.2.5. Onsite Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.49669	0.49669	3.84175	28.2112	0.04876	0.09934	7.87303	7.97237	0.09934	3.96228	4.06162	—	5,282.23	5,282.23	0.21427	0.04285	0.00000	5,300.36
2028	20.7986	20.7781	3.46040	15.7851	0.02513	0.07647	0.00000	0.07647	0.07399	0.00000	0.07399	—	2,530.97	2,530.97	0.10267	0.02053	0.00000	2,539.66
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.28690	0.28690	2.04249	17.7652	0.02730	0.05545	2.76622	2.82167	0.05545	1.33625	1.39170	—	2,956.56	2,956.56	0.11993	0.02399	0.00000	2,966.70
2028	20.7986	20.7781	3.78078	20.1220	0.03038	0.08818	0.00000	0.08818	0.08570	0.00000	0.08570	—	3,152.97	3,152.97	0.12790	0.02558	0.00000	3,163.79
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.11546	0.11546	0.98579	6.80072	0.01082	0.02174	0.96914	0.99088	0.02174	0.42347	0.44521	—	1,163.76	1,163.76	0.04721	0.00944	0.00000	1,167.76
2028	8.87323	8.86282	1.87753	8.70296	0.01362	0.04062	0.00000	0.04062	0.03937	0.00000	0.03937	—	1,383.50	1,383.50	0.05612	0.01122	0.00000	1,388.25
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.02107	0.02107	0.17991	1.24113	0.00197	0.00397	0.17687	0.18084	0.00397	0.07728	0.08125	—	192.674	192.674	0.00782	0.00156	0.00000	193.335
2028	1.61936	1.61746	0.34265	1.58829	0.00249	0.00741	0.00000	0.00741	0.00718	0.00000	0.00718	—	229.054	229.054	0.00929	0.00186	0.00000	229.840

2.2.6. Offsite Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.45227	0.08813	3.63486	2.96760	0.01530	0.02915	0.71608	0.74522	0.02915	0.19198	0.22112	—	2,576.04	2,576.04	0.34820	0.40303	4.80658	2,709.66
2028	0.60040	0.47795	1.71040	6.56877	0.00721	0.00812	2.11833	2.12646	0.00812	0.50655	0.51468	—	2,787.08	2,787.08	0.12858	0.17017	6.19787	2,847.21
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.19166	0.05441	1.45616	1.36374	0.00575	0.01094	0.35409	0.36503	0.01094	0.09206	0.10300	—	1,042.36	1,042.36	0.13255	0.15202	0.05240	1,091.02
2028	0.59878	0.47785	1.85660	6.18800	0.00739	0.00848	2.11833	2.12646	0.00848	0.50655	0.51468	—	2,692.36	2,692.36	0.13432	0.17291	0.16083	2,746.59
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.08752	0.02284	0.67286	0.60676	0.00271	0.00516	0.15500	0.16016	0.00516	0.04058	0.04575	—	482.484	482.484	0.06222	0.07165	0.40036	505.791
2028	0.29799	0.23405	0.89664	2.98362	0.00367	0.00414	1.04655	1.05069	0.00414	0.25021	0.25436	—	1,355.69	1,355.69	0.06769	0.08646	1.34197	1,384.49
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.01597	0.00417	0.12280	0.11073	0.00049	0.00094	0.02829	0.02923	0.00094	0.00741	0.00835	—	79.8807	79.8807	0.01030	0.01186	0.06628	83.7395
2028	0.05438	0.04271	0.16364	0.54451	0.00067	0.00076	0.19099	0.19175	0.00076	0.04566	0.04642	—	224.450	224.450	0.01121	0.01432	0.22218	229.218

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.43527	9.20132	1.18521	29.0003	0.04041	0.02959	3.92440	3.95399	0.02574	0.99428	1.02002	106.516	4,082.23	4,188.74	9.23866	0.19141	10.1064	4,486.86
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.81673	7.67167	1.23601	13.8918	0.03799	0.01930	3.92440	3.94370	0.01796	0.99428	1.01225	106.516	3,863.97	3,970.48	9.25520	0.20511	1.90539	4,264.89
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	8.72684	8.52179	2.35694	20.4158	0.03680	0.06280	3.57885	3.64165	0.06033	0.90688	0.96721	106.516	3,735.61	3,842.12	9.24169	0.19001	5.04303	4,134.83
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.59265	1.55523	0.43014	3.72588	0.00672	0.01146	0.65314	0.66460	0.01101	0.16551	0.17652	17.6349	618.472	636.107	1.53007	0.03146	0.83493	684.568

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.91291	1.77492	1.04637	13.9268	0.03972	0.01929	3.92440	3.94369	0.01795	0.99428	1.01224	—	4,038.33	4,038.33	0.14855	0.13536	8.41930	4,090.80
Area	7.52236	7.42640	0.13884	15.0735	0.00069	0.01030	—	0.01030	0.00778	—	0.00778	0.00000	43.8945	43.8945	0.00184	0.00037	—	44.0499
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Stationary	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	9.43527	9.20132	1.18521	29.0003	0.04041	0.02959	3.92440	3.95399	0.02574	0.99428	1.02002	106.516	4,082.23	4,188.74	9.23866	0.19141	10.1064	4,486.86
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.89358	1.74852	1.23601	13.8918	0.03799	0.01930	3.92440	3.94370	0.01796	0.99428	1.01225	—	3,863.97	3,863.97	0.16693	0.14943	0.21830	3,912.89
Area	5.92315	5.92315	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Stationary	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Total	7.81673	7.67167	1.23601	13.8918	0.03799	0.01930	3.92440	3.94370	0.01796	0.99428	1.01225	106.516	3,863.97	3,970.48	9.25520	0.20511	1.90539	4,264.89
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.71691	1.58601	1.07507	12.2904	0.03516	0.01781	3.57885	3.59666	0.01657	0.90688	0.92346	—	3,575.15	3,575.15	0.14694	0.13305	3.35595	3,621.83
Area	6.71180	6.66448	0.06847	7.43352	0.00034	0.00508	—	0.00508	0.00384	—	0.00384	0.00000	21.6466	21.6466	0.00091	0.00018	—	21.7232
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Stationary	0.29813	0.27130	1.21341	0.69185	0.00130	0.03991	0.00000	0.03991	0.03991	0.00000	0.03991	0.00000	138.807	138.807	0.00557	0.00109	0.00000	139.271
Total	8.72684	8.52179	2.35694	20.4158	0.03680	0.06280	3.57885	3.64165	0.06033	0.90688	0.96721	106.516	3,735.61	3,842.12	9.24169	0.19001	5.04303	4,134.83
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.31334	0.28945	0.19620	2.24299	0.00642	0.00325	0.65314	0.65639	0.00302	0.16551	0.16853	—	591.907	591.907	0.02433	0.02203	0.55562	599.636
Area	1.22490	1.21627	0.01250	1.35662	0.00006	0.00093	—	0.00093	0.00070	—	0.00070	0.00000	3.58384	3.58384	0.00015	0.00003	—	3.59653
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.02271	0.00275	—	1.38814
Water	—	—	—	—	—	—	—	—	—	—	—	2.91562	0.00000	2.91562	0.01082	0.00647	—	5.11300
Waste	—	—	—	—	—	—	—	—	—	—	—	14.7193	0.00000	14.7193	1.47114	0.00000	—	51.4978
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27932	0.27932
Stationary	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579
Total	1.59265	1.55523	0.43014	3.72588	0.00672	0.01146	0.65314	0.66460	0.01101	0.16551	0.17652	17.6349	618.472	636.107	1.53007	0.03146	0.83493	684.568

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.91291	1.77492	1.04637	13.9268	0.03972	0.01929	3.92440	3.94369	0.01795	0.99428	1.01224	—	4,038.33	4,038.33	0.14855	0.13536	8.41930	4,0[illegible]

Area	7.52236	7.42640	0.13884	15.0735	0.00069	0.01030	—	0.01030	0.00778	—	0.00778	0.00000	43.8945	43.8945	0.00184	0.00037	—	44.0499
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Stationary	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	9.43527	9.20132	1.18521	29.0003	0.04041	0.02959	3.92440	3.95399	0.02574	0.99428	1.02002	106.516	4,082.23	4,188.74	9.23866	0.19141	10.1064	4,486.86
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.89358	1.74852	1.23601	13.8918	0.03799	0.01930	3.92440	3.94370	0.01796	0.99428	1.01225	—	3,863.97	3,863.97	0.16693	0.14943	0.21830	3,912.89
Area	5.92315	5.92315	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Stationary	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	7.81673	7.67167	1.23601	13.8918	0.03799	0.01930	3.92440	3.94370	0.01796	0.99428	1.01225	106.516	3,863.97	3,970.48	9.25520	0.20511	1.90539	4,264.89
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.71691	1.58601	1.07507	12.2904	0.03516	0.01781	3.57885	3.59666	0.01657	0.90688	0.92346	—	3,575.15	3,575.15	0.14694	0.13305	3.35595	3,621.83
Area	6.71180	6.66448	0.06847	7.43352	0.00034	0.00508	—	0.00508	0.00384	—	0.00384	0.00000	21.6466	21.6466	0.00091	0.00018	—	21.7232
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Stationary	0.29813	0.27130	1.21341	0.69185	0.00130	0.03991	0.00000	0.03991	0.03991	0.00000	0.03991	0.00000	138.807	138.807	0.00557	0.00109	0.00000	139.271
Total	8.72684	8.52179	2.35694	20.4158	0.03680	0.06280	3.57885	3.64165	0.06033	0.90688	0.96721	106.516	3,735.61	3,842.12	9.24169	0.19001	5.04303	4,[illegible]

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.31334	0.28945	0.19620	2.24299	0.00642	0.00325	0.65314	0.65639	0.00302	0.16551	0.16853	—	591.907	591.907	0.02433	0.02203	0.55562	599.636
Area	1.22490	1.21627	0.01250	1.35662	0.00006	0.00093	—	0.00093	0.00070	—	0.00070	0.00000	3.58384	3.58384	0.00015	0.00003	—	3.59653
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.02271	0.00275	—	1.38814
Water	—	—	—	—	—	—	—	—	—	—	—	2.91562	0.00000	2.91562	0.01082	0.00647	—	5.11300
Waste	—	—	—	—	—	—	—	—	—	—	—	14.7193	0.00000	14.7193	1.47114	0.00000	—	51.4978
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27932	0.27932
Stationary	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579
Total	1.59265	1.55523	0.43014	3.72588	0.00672	0.01146	0.65314	0.66460	0.01101	0.16551	0.17652	17.6349	618.472	636.107	1.53007	0.03146	0.83493	684.568

3. Construction Emissions Details

3.1. Demolition (2027)

3.1.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.53051	2.12356	19.0882	17.6134	0.03122	0.77452	—	0.77452	0.71256	—	0.71256	—	3,285.17	3,285.17	0.13326	0.02665	—	3,296.45
Demolition	—	—	—	—	—	—	1.77863	1.77863	—	0.26934	0.26934	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20105	0.16872	1.51659	1.39942	0.00248	0.06154	—	0.06154	0.05661	—	0.05661	—	261.014	261.014	0.01059	0.00212	—	261.910
Demolition	—	—	—	—	—	—	0.14132	0.14132	—	0.02140	0.02140	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03669	0.03079	0.27678	0.25539	0.00045	0.01123	—	0.01123	0.01033	—	0.01033	—	43.2138	43.2138	0.00175	0.00035	—	43.3621
Demolition	—	—	—	—	—	—	0.02579	0.02579	—	0.00391	0.00391	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02748	0.02692	0.01868	0.33725	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	98.9604	98.9604	0.00138	0.00083	0.26373	99.5049
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.42479	0.06120	3.61618	2.63035	0.01530	0.02915	0.61275	0.64189	0.02915	0.16776	0.19690	—	2,477.08	2,477.08	0.34683	0.40220	4.54285	2,610.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00212	0.00207	0.00181	0.02389	0.00000	0.00000	0.00811	0.00811	0.00000	0.00190	0.00190	—	7.45384	7.45384	0.00013	0.00007	0.00905	7.48574
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.03369	0.00480	0.29698	0.20945	0.00122	0.00232	0.04824	0.05055	0.00232	0.01322	0.01553	—	196.806	196.806	0.02756	0.03196	0.15580	207.174
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00038	0.00033	0.00436	0.00000	0.00000	0.00148	0.00148	0.00000	0.00035	0.00035	—	1.23407	1.23407	0.00002	0.00001	0.00150	1.23935
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00615	0.00088	0.05420	0.03822	0.00022	0.00042	0.00880	0.00923	0.00042	0.00241	0.00283	—	32.5835	32.5835	0.00456	0.00529	0.02579	34.2999

3.1.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34058	0.34058	3.84175	17.1838	0.03122	0.06086	—	0.06086	0.06086	—	0.06086	—	3,285.17	3,285.17	0.13326	0.02665	—	3,296.45
Demolition	—	—	—	—	—	—	1.77863	1.77863	—	0.26934	0.26934	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02706	0.02706	0.30523	1.36529	0.00248	0.00484	—	0.00484	0.00484	—	0.00484	—	261.014	261.014	0.01059	0.00212	—	261.910
Demolition	—	—	—	—	—	—	0.14132	0.14132	—	0.02140	0.02140	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00494	0.00494	0.05571	0.24917	0.00045	0.00088	—	0.00088	0.00088	—	0.00088	—	43.2138	43.2138	0.00175	0.00035	—	43.3621
Demolition	—	—	—	—	—	—	0.02579	0.02579	—	0.00391	0.00391	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02748	0.02692	0.01868	0.33725	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	98.9604	98.9604	0.00138	0.00083	0.26373	99.5049
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.42479	0.06120	3.61618	2.63035	0.01530	0.02915	0.61275	0.64189	0.02915	0.16776	0.19690	—	2,477.08	2,477.08	0.34683	0.40220	4.54285	2,610.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00212	0.00207	0.00181	0.02389	0.00000	0.00000	0.00811	0.00811	0.00000	0.00190	0.00190	—	7.45384	7.45384	0.00013	0.00007	0.00905	7.48574
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.03369	0.00480	0.29698	0.20945	0.00122	0.00232	0.04824	0.05055	0.00232	0.01322	0.01553	—	196.806	196.806	0.02756	0.03196	0.15580	207.174
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00038	0.00033	0.00436	0.00000	0.00000	0.00148	0.00148	0.00000	0.00035	0.00035	—	1.23407	1.23407	0.00002	0.00001	0.00150	1.23935
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00615	0.00088	0.05420	0.03822	0.00022	0.00042	0.00880	0.00923	0.00042	0.00241	0.00283	—	32.5835	32.5835	0.00456	0.00529	0.02579	34.2999

3.2. Site Preparation (2027)

3.2.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.77679	3.17355	28.4353	28.1011	0.04879	1.24805	—	1.24805	1.14821	—	1.14821	—	5,285.74	5,285.74	0.21441	0.04288	—	5,303.88
Dust From Material Movement	—	—	—	—	—	—	7.87303	7.87303	—	3.96228	3.96228	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05174	0.04347	0.38952	0.38495	0.00067	0.01710	—	0.01710	0.01573	—	0.01573	—	72.4075	72.4075	0.00294	0.00059	—	72.6559
Dust From Material Movement	—	—	—	—	—	—	0.10785	0.10785	—	0.05428	0.05428	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00944	0.00793	0.07109	0.07025	0.00012	0.00312	—	0.00312	0.00287	—	0.00287	—	11.9879	11.9879	0.00049	0.00010	—	12.0290
Dust From Material Movement	—	—	—	—	—	—	0.01968	0.01968	—	0.00991	0.00991	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03297	0.03231	0.02242	0.40470	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	118.752	118.752	0.00165	0.00099	0.31648	119.406
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00044	0.00043	0.00037	0.00494	0.00000	0.00000	0.00168	0.00168	0.00000	0.00039	0.00039	—	1.54217	1.54217	0.00003	0.00001	0.00187	1.54877
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00008	0.00007	0.00090	0.00000	0.00000	0.00031	0.00031	0.00000	0.00007	0.00007	—	0.25532	0.25532	< 0.000005	< 0.000005	0.00031	0.25642
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49669	0.49669	2.58280	28.2112	0.04876	0.09934	—	0.09934	0.09934	—	0.09934	—	5,282.23	5,282.23	0.21427	0.04285	—	5,300.36
Dust From Material Movement	—	—	—	—	—	—	7.87303	7.87303	—	3.96228	3.96228	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00680	0.00680	0.03538	0.38645	0.00067	0.00136	—	0.00136	0.00136	—	0.00136	—	72.3593	72.3593	0.00294	0.00059	—	72.6076
Dust From Material Movement	—	—	—	—	—	—	0.10785	0.10785	—	0.05428	0.05428	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00124	0.00124	0.00646	0.07053	0.00012	0.00025	—	0.00025	0.00025	—	0.00025	—	11.9799	11.9799	0.00049	0.00010	—	12.0210
Dust From Material Movement	—	—	—	—	—	—	0.01968	0.01968	—	0.00991	0.00991	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03297	0.03231	0.02242	0.40470	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	118.752	118.752	0.00165	0.00099	0.31648	119.406
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00044	0.00043	0.00037	0.00494	0.00000	0.00000	0.00168	0.00168	0.00000	0.00039	0.00039	—	1.54217	1.54217	0.00003	0.00001	0.00187	1.54877
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00008	0.00008	0.00007	0.00090	0.00000	0.00000	0.00031	0.00031	0.00000	0.00007	0.00007	—	0.25532	0.25532	< 0.000005	< 0.000005	0.00031	0.25642
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88795	1.58640	14.2321	17.2743	0.02733	0.59767	—	0.59767	0.54986	—	0.54986	—	2,960.07	2,960.07	0.12007	0.02401	—	2,970.23
Dust From Material Movement	—	—	—	—	—	—	2.76622	2.76622	—	1.33625	1.33625	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88795	1.58640	14.2321	17.2743	0.02733	0.59767	—	0.59767	0.54986	—	0.54986	—	2,960.07	2,960.07	0.12007	0.02401	—	2,970.23
Dust From Material Movement	—	—	—	—	—	—	2.76622	2.76622	—	1.33625	1.33625	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.49138	0.41290	3.70425	4.49606	0.00711	0.15556	—	0.15556	0.14311	—	0.14311	—	770.430	770.430	0.03125	0.00625	—	773.074
Dust From Material Movement	—	—	—	—	—	—	0.71997	0.71997	—	0.34779	0.34779	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08968	0.07535	0.67603	0.82053	0.00130	0.02839	—	0.02839	0.02612	—	0.02612	—	127.553	127.553	0.00517	0.00103	—	127.991
Dust From Material Movement	—	—	—	—	—	—	0.13140	0.13140	—	0.06347	0.06347	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03297	0.03231	0.02242	0.40470	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	118.752	118.752	0.00165	0.00099	0.31648	119.406
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.15951	0.02298	1.35790	0.98772	0.00575	0.01094	0.23009	0.24104	0.01094	0.06299	0.07394	—	930.163	930.163	0.13024	0.15103	1.70587	980.131
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03297	0.03198	0.02794	0.37630	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	112.228	112.228	0.00231	0.00099	0.00819	112.530

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.15869	0.02244	1.42822	0.98744	0.00575	0.01094	0.23009	0.24104	0.01094	0.06299	0.07394	—	930.128	930.128	0.13024	0.15103	0.04421	978.436
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00832	0.00815	0.00710	0.09389	0.00000	0.00000	0.03188	0.03188	0.00000	0.00747	0.00747	—	29.3013	29.3013	0.00052	0.00026	0.03557	29.4267
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.04145	0.00591	0.36532	0.25765	0.00150	0.00285	0.05934	0.06218	0.00285	0.01626	0.01911	—	242.093	242.093	0.03390	0.03931	0.19165	254.846
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00152	0.00149	0.00130	0.01714	0.00000	0.00000	0.00582	0.00582	0.00000	0.00136	0.00136	—	4.85116	4.85116	0.00009	0.00004	0.00589	4.87193
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00756	0.00108	0.06667	0.04702	0.00027	0.00052	0.01083	0.01135	0.00052	0.00297	0.00349	—	40.0813	40.0813	0.00561	0.00651	0.03173	42.1927

3.3.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28690	0.28690	2.04249	17.7652	0.02730	0.05545	—	0.05545	0.05545	—	0.05545	—	2,956.56	2,956.56	0.11993	0.02399	—	2,966.70
Dust From Material Movement	—	—	—	—	—	—	2.76622	2.76622	—	1.33625	1.33625	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.28690	0.28690	2.04249	17.7652	0.02730	0.05545	—	0.05545	0.05545	—	0.05545	—	2,956.56	2,956.56	0.11993	0.02399	—	2,966.70
Dust From Material Movement	—	—	—	—	—	—	2.76622	2.76622	—	1.33625	1.33625	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07467	0.07467	0.53161	4.62383	0.00710	0.01443	—	0.01443	0.01443	—	0.01443	—	769.515	769.515	0.03121	0.00624	—	772.156
Dust From Material Movement	—	—	—	—	—	—	0.71997	0.71997	—	0.34779	0.34779	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01363	0.01363	0.09702	0.84385	0.00130	0.00263	—	0.00263	0.00263	—	0.00263	—	127.402	127.402	0.00517	0.00103	—	127.839
Dust From Material Movement	—	—	—	—	—	—	0.13140	0.13140	—	0.06347	0.06347	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03297	0.03231	0.02242	0.40470	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	118.752	118.752	0.00165	0.00099	0.31648	119.406
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.15951	0.02298	1.35790	0.98772	0.00575	0.01094	0.23009	0.24104	0.01094	0.06299	0.07394	—	930.163	930.163	0.13024	0.15103	1.70587	980.131
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03297	0.03198	0.02794	0.37630	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	112.228	112.228	0.00231	0.00099	0.00819	112.589
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.15869	0.02244	1.42822	0.98744	0.00575	0.01094	0.23009	0.24104	0.01094	0.06299	0.07394	—	930.128	930.128	0.13024	0.15103	0.04421	978.436
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00832	0.00815	0.00710	0.09389	0.00000	0.00000	0.03188	0.03188	0.00000	0.00747	0.00747	—	29.3013	29.3013	0.00052	0.00026	0.03557	29.4267
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.04145	0.00591	0.36532	0.25765	0.00150	0.00285	0.05934	0.06218	0.00285	0.01626	0.01911	—	242.093	242.093	0.03390	0.03931	0.19165	254.846
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00152	0.00149	0.00130	0.01714	0.00000	0.00000	0.00582	0.00582	0.00000	0.00136	0.00136	—	4.85116	4.85116	0.00009	0.00004	0.00589	4.87193
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00756	0.00108	0.06667	0.04702	0.00027	0.00052	0.01083	0.01135	0.00052	0.00297	0.00349	—	40.0813	40.0813	0.00561	0.00651	0.03173	42.1927

3.4. Building Construction (2028)

3.4.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60052	0.50251	4.52361	6.55622	0.01186	0.15218	—	0.15218	0.14000	—	0.14000	—	1,215.15	1,215.15	0.04929	0.00986	—	1,219.32
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10960	0.09171	0.82556	1.19651	0.00216	0.02777	—	0.02777	0.02555	—	0.02555	—	201.182	201.182	0.00816	0.00163	—	201.872
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.38229	0.37413	0.27254	4.69319	0.00000	0.00000	1.52983	1.52983	0.00000	0.35859	0.35859	—	1,439.77	1,439.77	0.02040	0.01224	3.41993	1,447.35
Vendor	0.11559	0.02495	1.15698	0.76709	0.00620	0.00620	0.24212	0.24832	0.00620	0.06518	0.07138	—	900.594	900.594	0.08223	0.12992	1.81767	943.182
Hauling	0.02605	0.00404	0.22637	0.16985	0.00101	0.00192	0.04042	0.04234	0.00192	0.01107	0.01299	—	158.760	158.760	0.02187	0.02557	0.27628	167.202
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38229	0.37413	0.34068	4.36190	0.00000	0.00000	1.52983	1.52983	0.00000	0.35859	0.35859	—	1,360.75	1,360.75	0.02448	0.01224	0.08874	1,365.09
Vendor	0.11412	0.02495	1.20998	0.78407	0.00620	0.00620	0.24212	0.24832	0.00620	0.06518	0.07138	—	900.701	900.701	0.08297	0.12992	0.04717	941.537
Hauling	0.02590	0.00394	0.23780	0.16965	0.00101	0.00192	0.04042	0.04234	0.00192	0.01107	0.01299	—	158.761	158.761	0.02187	0.02557	0.00718	166.934
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19170	0.18549	0.14434	2.11984	0.00000	0.00000	0.76603	0.76603	0.00000	0.17941	0.17941	—	691.853	691.853	0.01241	0.00620	0.74733	694.759
Vendor	0.05822	0.01302	0.60437	0.39291	0.00314	0.00314	0.12150	0.12464	0.00314	0.03273	0.03587	—	456.487	456.487	0.04168	0.06585	0.39773	477.549
Hauling	0.01315	0.00202	0.11883	0.08623	0.00051	0.00097	0.02030	0.02127	0.00097	0.00556	0.00654	—	80.4673	80.4673	0.01108	0.01296	0.06054	84.6668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03498	0.03385	0.02634	0.38687	0.00000	0.00000	0.13980	0.13980	0.00000	0.03274	0.03274	—	114.544	114.544	0.00205	0.00103	0.12373	115.025
Vendor	0.01062	0.00238	0.11030	0.07171	0.00057	0.00057	0.02217	0.02275	0.00057	0.00597	0.00655	—	75.5766	75.5766	0.00690	0.01090	0.06585	79.0637
Hauling	0.00240	0.00037	0.02169	0.01574	0.00009	0.00018	0.00370	0.00388	0.00018	0.00101	0.00119	—	13.3223	13.3223	0.00184	0.00215	0.01002	14.0175

3.4.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34870	0.32816	2.81436	14.8220	0.02340	0.07412	—	0.07412	0.07164	—	0.07164	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34870	0.32816	2.81436	14.8220	0.02340	0.07412	—	0.07412	0.07164	—	0.07164	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17674	0.16633	1.42645	7.51250	0.01186	0.03757	—	0.03757	0.03631	—	0.03631	—	1,215.15	1,215.15	0.04929	0.00986	—	1,219.32
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03225	0.03035	0.26033	1.37103	0.00216	0.00686	—	0.00686	0.00663	—	0.00663	—	201.182	201.182	0.00816	0.00163	—	201.872
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38229	0.37413	0.27254	4.69319	0.00000	0.00000	1.52983	1.52983	0.00000	0.35859	0.35859	—	1,439.77	1,439.77	0.02040	0.01224	3.41993	1,447.35
Vendor	0.11559	0.02495	1.15698	0.76709	0.00620	0.00620	0.24212	0.24832	0.00620	0.06518	0.07138	—	900.594	900.594	0.08223	0.12992	1.81767	943.182
Hauling	0.02605	0.00404	0.22637	0.16985	0.00101	0.00192	0.04042	0.04234	0.00192	0.01107	0.01299	—	158.760	158.760	0.02187	0.02557	0.27628	167.202

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38229	0.37413	0.34068	4.36190	0.00000	0.00000	1.52983	1.52983	0.00000	0.35859	0.35859	—	1,360.75	1,360.75	0.02448	0.01224	0.08874	1,365.09
Vendor	0.11412	0.02495	1.20998	0.78407	0.00620	0.00620	0.24212	0.24832	0.00620	0.06518	0.07138	—	900.701	900.701	0.08297	0.12992	0.04717	941.537
Hauling	0.02590	0.00394	0.23780	0.16965	0.00101	0.00192	0.04042	0.04234	0.00192	0.01107	0.01299	—	158.761	158.761	0.02187	0.02557	0.00718	166.934
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19170	0.18549	0.14434	2.11984	0.00000	0.00000	0.76603	0.76603	0.00000	0.17941	0.17941	—	691.853	691.853	0.01241	0.00620	0.74733	694.759
Vendor	0.05822	0.01302	0.60437	0.39291	0.00314	0.00314	0.12150	0.12464	0.00314	0.03273	0.03587	—	456.487	456.487	0.04168	0.06585	0.39773	477.549
Hauling	0.01315	0.00202	0.11883	0.08623	0.00051	0.00097	0.02030	0.02127	0.00097	0.00556	0.00654	—	80.4673	80.4673	0.01108	0.01296	0.06054	84.6668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03498	0.03385	0.02634	0.38687	0.00000	0.00000	0.13980	0.13980	0.00000	0.03274	0.03274	—	114.544	114.544	0.00205	0.00103	0.12373	115.025
Vendor	0.01062	0.00238	0.11030	0.07171	0.00057	0.00057	0.02217	0.02275	0.00057	0.00597	0.00655	—	75.5766	75.5766	0.00690	0.01090	0.06585	79.0637
Hauling	0.00240	0.00037	0.02169	0.01574	0.00009	0.00018	0.00370	0.00388	0.00018	0.00101	0.00119	—	13.3223	13.3223	0.00184	0.00215	0.01002	14.0175

3.5. Paving (2028)

3.5.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40775	0.34262	3.31377	4.95494	0.00698	0.12777	—	0.12777	0.11755	—	0.11755	—	755.515	755.515	0.03065	0.00613	—	758.108
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02905	0.02441	0.23605	0.35295	0.00050	0.00910	—	0.00910	0.00837	—	0.00837	—	53.8175	53.8175	0.00218	0.00044	—	54.0022
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00530	0.00445	0.04308	0.06441	0.00009	0.00166	—	0.00166	0.00153	—	0.00153	—	8.91010	8.91010	0.00036	0.00007	—	8.94068
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01549	0.01516	0.01381	0.17677	0.00000	0.00000	0.06200	0.06200	0.00000	0.01453	0.01453	—	55.1462	55.1462	0.00099	0.00050	0.00360	55.3224
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00475	0.00072	0.04363	0.03113	0.00019	0.00035	0.00742	0.00777	0.00035	0.00203	0.00238	—	29.1305	29.1305	0.00401	0.00469	0.00132	30.6301
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00109	0.00106	0.00082	0.01207	0.00000	0.00000	0.00436	0.00436	0.00000	0.00102	0.00102	—	3.94052	3.94052	0.00007	0.00004	0.00426	3.95707
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00034	0.00005	0.00306	0.00222	0.00001	0.00003	0.00052	0.00055	0.00003	0.00014	0.00017	—	2.07503	2.07503	0.00029	0.00033	0.00156	2.18332
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00020	0.00019	0.00015	0.00220	0.00000	0.00000	0.00080	0.00080	0.00000	0.00019	0.00019	—	0.65240	0.65240	0.00001	0.00001	0.00070	0.65514
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00006	0.00001	0.00056	0.00041	< 0.000005	< 0.000005	0.00010	0.00010	< 0.000005	0.00003	0.00003	—	0.34354	0.34354	0.00005	0.00006	0.00026	0.36147

3.5.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07997	0.07997	0.96643	5.30009	0.00698	0.01406	—	0.01406	0.01406	—	0.01406	—	755.515	755.515	0.03065	0.00613	—	758.108
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00570	0.00570	0.06884	0.37754	0.00050	0.00100	—	0.00100	0.00100	—	0.00100	—	53.8175	53.8175	0.00218	0.00044	—	54.0022
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00104	0.00104	0.01256	0.06890	0.00009	0.00018	—	0.00018	0.00018	—	0.00018	—	8.91010	8.91010	0.00036	0.00007	—	8.94068
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01549	0.01516	0.01381	0.17677	0.00000	0.00000	0.06200	0.06200	0.00000	0.01453	0.01453	—	55.1462	55.1462	0.00099	0.00050	0.00360	55.3224
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00475	0.00072	0.04363	0.03113	0.00019	0.00035	0.00742	0.00777	0.00035	0.00203	0.00238	—	29.1305	29.1305	0.00401	0.00469	0.00132	30.6301
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00109	0.00106	0.00082	0.01207	0.00000	0.00000	0.00436	0.00436	0.00000	0.00102	0.00102	—	3.94052	3.94052	0.00007	0.00004	0.00426	3.95707
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00034	0.00005	0.00306	0.00222	0.00001	0.00003	0.00052	0.00055	0.00003	0.00014	0.00017	—	2.07503	2.07503	0.00029	0.00033	0.00156	2.18332
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00020	0.00019	0.00015	0.00220	0.00000	0.00000	0.00080	0.00080	0.00000	0.00019	0.00019	—	0.65240	0.65240	0.00001	0.00001	0.00070	0.65514
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00006	0.00001	0.00056	0.00041	< 0.000005	< 0.000005	0.00010	0.00010	< 0.000005	0.00003	0.00003	—	0.34354	0.34354	0.00005	0.00006	0.00026	0.36147

3.6. Architectural Coating (2028)

3.6.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	20.4288	20.4288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	20.4288	20.4288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.05514	0.04557	0.34318	0.47491	0.00073	0.00652	—	0.00652	0.00600	—	0.00600	—	56.6990	56.6990	0.00230	0.00046	—	56.8936
Architectural Coatings	8.67524	8.67524	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01006	0.00832	0.06263	0.08667	0.00013	0.00119	—	0.00119	0.00109	—	0.00109	—	9.38717	9.38717	0.00038	0.00008	—	9.41938
Architectural Coatings	1.58323	1.58323	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07646	0.07483	0.05451	0.93864	0.00000	0.00000	0.30597	0.30597	0.00000	0.07172	0.07172	—	287.955	287.955	0.00408	0.00245	0.68399	289.470
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07646	0.07483	0.06814	0.87238	0.00000	0.00000	0.30597	0.30597	0.00000	0.07172	0.07172	—	272.149	272.149	0.00490	0.00245	0.01775	273.019
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03212	0.03108	0.02419	0.35522	0.00000	0.00000	0.12836	0.12836	0.00000	0.03006	0.03006	—	115.932	115.932	0.00208	0.00104	0.12523	116.419
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00586	0.00567	0.00441	0.06483	0.00000	0.00000	0.02343	0.02343	0.00000	0.00549	0.00549	—	19.1939	19.1939	0.00034	0.00017	0.02073	19.2745
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	20.4288	20.4288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.517	133.517	0.00542	0.00108	—	133.975

Architect Coatings	20.4288	20.4288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00898	0.00898	0.27435	0.40903	0.00073	0.00100	—	0.00100	0.00100	—	0.00100	—	56.6990	56.6990	0.00230	0.00046	—	56.8936
Architectural Coatings	8.67524	8.67524	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00164	0.00164	0.05007	0.07465	0.00013	0.00018	—	0.00018	0.00018	—	0.00018	—	9.38717	9.38717	0.00038	0.00008	—	9.41938
Architectural Coatings	1.58323	1.58323	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07646	0.07483	0.05451	0.93864	0.00000	0.00000	0.30597	0.30597	0.00000	0.07172	0.07172	—	287.955	287.955	0.00408	0.00245	0.68399	289.470

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07646	0.07483	0.06814	0.87238	0.00000	0.00000	0.30597	0.30597	0.00000	0.07172	0.07172	—	272.149	272.149	0.00490	0.00245	0.01775	273.019
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03212	0.03108	0.02419	0.35522	0.00000	0.00000	0.12836	0.12836	0.00000	0.03006	0.03006	—	115.932	115.932	0.00208	0.00104	0.12523	116.419
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00586	0.00567	0.00441	0.06483	0.00000	0.00000	0.02343	0.02343	0.00000	0.00549	0.00549	—	19.1939	19.1939	0.00034	0.00017	0.02073	19.2745
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Trenching (2027)

3.7.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.22414	0.18834	1.80311	2.92880	0.00399	0.05125	—	0.05125	0.04715	—	0.04715	—	432.037	432.037	0.01753	0.00351	—	433.520
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03158	0.02654	0.25406	0.41267	0.00056	0.00722	—	0.00722	0.00664	—	0.00664	—	60.8741	60.8741	0.00247	0.00049	—	61.0830
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00576	0.00484	0.04637	0.07531	0.00010	0.00132	—	0.00132	0.00121	—	0.00121	—	10.0784	10.0784	0.00041	0.00008	—	10.1130
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01099	0.01066	0.00931	0.12543	0.00000	0.00000	0.04133	0.04133	0.00000	0.00969	0.00969	—	37.4092	37.4092	0.00077	0.00033	0.00273	37.5298
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00150	0.00147	0.00128	0.01694	0.00000	0.00000	0.00575	0.00575	0.00000	0.00135	0.00135	—	5.28745	5.28745	0.00009	0.00005	0.00642	5.31008
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00027	0.00023	0.00309	0.00000	0.00000	0.00105	0.00105	0.00000	0.00025	0.00025	—	0.87540	0.87540	0.00002	0.00001	0.00106	0.87915
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04912	0.04912	0.80602	3.01741	0.00399	0.00789	—	0.00789	0.00789	—	0.00789	—	432.037	432.037	0.01753	0.00351	—	433.520
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00692	0.00692	0.11357	0.42515	0.00056	0.00111	—	0.00111	0.00111	—	0.00111	—	60.8741	60.8741	0.00247	0.00049	—	61.0830
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00126	0.00126	0.02073	0.07759	0.00010	0.00020	—	0.00020	0.00020	—	0.00020	—	10.0784	10.0784	0.00041	0.00008	—	10.1130
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01099	0.01066	0.00931	0.12543	0.00000	0.00000	0.04133	0.04133	0.00000	0.00969	0.00969	—	37.4092	37.4092	0.00077	0.00033	0.00273	37.5298
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00150	0.00147	0.00128	0.01694	0.00000	0.00000	0.00575	0.00575	0.00000	0.00135	0.00135	—	5.28745	5.28745	0.00009	0.00005	0.00642	5.31008
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00027	0.00027	0.00023	0.00309	0.00000	0.00000	0.00105	0.00105	0.00000	0.00025	0.00025	—	0.87540	0.87540	0.00002	0.00001	0.00106	0.87915
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Trenching (2028)

3.8.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21793	0.18312	1.76447	2.93478	0.00399	0.04585	—	0.04585	0.04218	—	0.04218	—	432.044	432.044	0.01753	0.00351	—	433.526
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02917	0.02451	0.23618	0.39284	0.00053	0.00614	—	0.00614	0.00565	—	0.00565	—	57.8313	57.8313	0.00235	0.00047	—	58.0297
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00532	0.00447	0.04310	0.07169	0.00010	0.00112	—	0.00112	0.00103	—	0.00103	—	9.57463	9.57463	0.00039	0.00008	—	9.60749
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01033	0.01011	0.00920	0.11785	0.00000	0.00000	0.04133	0.04133	0.00000	0.00969	0.00969	—	36.7641	36.7641	0.00066	0.00033	0.00240	36.8816
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00137	0.00132	0.00103	0.01513	0.00000	0.00000	0.00547	0.00547	0.00000	0.00128	0.00128	—	4.93648	4.93648	0.00009	0.00004	0.00533	4.95721
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00025	0.00024	0.00019	0.00276	0.00000	0.00000	0.00100	0.00100	0.00000	0.00023	0.00023	—	0.81729	0.81729	0.00001	0.00001	0.00088	0.82072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04912	0.04912	0.80602	3.01741	0.00399	0.00789	—	0.00789	0.00789	—	0.00789	—	432.044	432.044	0.01753	0.00351	—	433.526

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00658	0.00658	0.10789	0.40390	0.00053	0.00106	—	0.00106	0.00106	—	0.00106	—	57.8313	57.8313	0.00235	0.00047	—	58.0297
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00120	0.00120	0.01969	0.07371	0.00010	0.00019	—	0.00019	0.00019	—	0.00019	—	9.57463	9.57463	0.00039	0.00008	—	9.60749
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01033	0.01011	0.00920	0.11785	0.00000	0.00000	0.04133	0.04133	0.00000	0.00969	0.00969	—	36.7641	36.7641	0.00066	0.00033	0.00240	36.8816
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00137	0.00132	0.00103	0.01513	0.00000	0.00000	0.00547	0.00547	0.00000	0.00128	0.00128	—	4.93648	4.93648	0.00009	0.00004	0.00533	4.95721
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.(

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00025	0.00024	0.00019	0.00276	0.00000	0.00000	0.00100	0.00100	0.00000	0.00023	0.00023	—	0.81729	0.81729	0.00001	0.00001	0.00088	0.82072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.59542	1.47635	0.89706	12.0220	0.03477	0.01677	3.44185	3.45862	0.01561	0.87203	0.88763	—	3,535.22	3,535.22	0.12600	0.11639	7.38406	3,580.43
Regional Shopping Center	0.31749	0.29857	0.14931	1.90477	0.00495	0.00252	0.48255	0.48507	0.00235	0.12226	0.12461	—	503.117	503.117	0.02255	0.01897	1.03524	510.370
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.91291	1.77492	1.04637	13.9268	0.03972	0.01929	3.92440	3.94369	0.01795	0.99428	1.01224	—	4,038.33	4,038.33	0.14855	0.13536	8.41930	4,090.80
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartment Mid Rise	1.57906	1.45437	1.05961	11.9082	0.03326	0.01678	3.44185	3.45863	0.01561	0.87203	0.88764	—	3,382.13	3,382.13	0.14096	0.12841	0.19146	3,424.12
Regional Shopping Center	0.31452	0.29416	0.17640	1.98356	0.00474	0.00253	0.48255	0.48507	0.00235	0.12226	0.12461	—	481.832	481.832	0.02597	0.02102	0.02684	488.771
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.89358	1.74852	1.23601	13.8918	0.03799	0.01930	3.92440	3.94370	0.01796	0.99428	1.01225	—	3,863.97	3,863.97	0.16693	0.14943	0.21830	3,912.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.26926	0.24809	0.17320	1.98365	0.00578	0.00291	0.58955	0.59245	0.00271	0.14939	0.15210	—	533.250	533.250	0.02119	0.01949	0.50152	540.091
Regional Shopping Center	0.04407	0.04136	0.02300	0.25935	0.00064	0.00034	0.06359	0.06394	0.00032	0.01611	0.01643	—	58.6573	58.6573	0.00314	0.00253	0.05410	59.5448
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.31334	0.28945	0.19620	2.24299	0.00642	0.00325	0.65314	0.65639	0.00302	0.16551	0.16853	—	591.907	591.907	0.02433	0.02203	0.55562	599.636

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	1.59542	1.47635	0.89706	12.0220	0.03477	0.01677	3.44185	3.45862	0.01561	0.87203	0.88763	—	3,535.22	3,535.22	0.12600	0.11639	7.38406	3,580.43
Regional Shopping Center	0.31749	0.29857	0.14931	1.90477	0.00495	0.00252	0.48255	0.48507	0.00235	0.12226	0.12461	—	503.117	503.117	0.02255	0.01897	1.03524	510.370
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.91291	1.77492	1.04637	13.9268	0.03972	0.01929	3.92440	3.94369	0.01795	0.99428	1.01224	—	4,038.33	4,038.33	0.14855	0.13536	8.41930	4,090.80
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.57906	1.45437	1.05961	11.9082	0.03326	0.01678	3.44185	3.45863	0.01561	0.87203	0.88764	—	3,382.13	3,382.13	0.14096	0.12841	0.19146	3,424.12
Regional Shopping Center	0.31452	0.29416	0.17640	1.98356	0.00474	0.00253	0.48255	0.48507	0.00235	0.12226	0.12461	—	481.832	481.832	0.02597	0.02102	0.02684	488.771
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.89358	1.74852	1.23601	13.8918	0.03799	0.01930	3.92440	3.94370	0.01796	0.99428	1.01225	—	3,863.97	3,863.97	0.16693	0.14943	0.21830	3,912.89
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.26926	0.24809	0.17320	1.98365	0.00578	0.00291	0.58955	0.59245	0.00271	0.14939	0.15210	—	533.250	533.250	0.02119	0.01949	0.50152	540.091

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Regional Shopping Center	0.04407	0.04136	0.02300	0.25935	0.00064	0.00034	0.06359	0.06394	0.00032	0.01611	0.01643	—	58.6573	58.6573	0.00314	0.00253	0.05410	59.5448
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.31334	0.28945	0.19620	2.24299	0.00642	0.00325	0.65314	0.65639	0.00302	0.16551	0.16853	—	591.907	591.907	0.02433	0.02203	0.55562	599.636

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.12080	0.01464	—	7.38356
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00191	0.00023	—	0.11691
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.01446	0.00175	—	0.88398
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.13718	0.01663	—	8.38444

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.12080	0.01464	—	7.38356
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00191	0.00023	—	0.11691
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.01446	0.00175	—	0.88398
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02000	0.00242	—	1.22243
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00032	0.00004	—	0.01936
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00239	0.00029	—	0.14635
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02271	0.00275	—	1.38814

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.12080	0.01464	—	7.38356
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00191	0.00023	—	0.11691
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.01446	0.00175	—	0.88398
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.12080	0.01464	—	7.38356
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00191	0.00023	—	0.11691
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.01446	0.00175	—	0.88398
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.13718	0.01663	—	8.38444
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02000	0.00242	—	1.22243

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00032	0.00004	—	0.01936
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00239	0.00029	—	0.14635
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02271	0.00275	—	1.38814

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Regiona Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Regional	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	5.05562	5.05562	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.86752	0.86752	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.59921	1.50325	0.13884	15.0735	0.00069	0.01030	—	0.01030	0.00778	—	0.00778	—	43.8945	43.8945	0.00184	0.00037	—	44.0499
Total	7.52236	7.42640	0.13884	15.0735	0.00069	0.01030	—	0.01030	0.00778	—	0.00778	0.00000	43.8945	43.8945	0.00184	0.00037	—	44.0499
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Consumer Product	5.05562	5.05562	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.86752	0.86752	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.92315	5.92315	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	0.92265	0.92265	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15832	0.15832	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14393	0.13529	0.01250	1.35662	0.00006	0.00093	—	0.00093	0.00070	—	0.00070	—	3.58384	3.58384	0.00015	0.00003	—	3.59653
Total	1.22490	1.21627	0.01250	1.35662	0.00006	0.00093	—	0.00093	0.00070	—	0.00070	0.00000	3.58384	3.58384	0.00015	0.00003	—	3.59653

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	5.05562	5.05562	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.86752	0.86752	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.59921	1.50325	0.13884	15.0735	0.00069	0.01030	—	0.01030	0.00778	—	0.00778	—	43.8945	43.8945	0.00184	0.00037	—	44.0499
Total	7.52236	7.42640	0.13884	15.0735	0.00069	0.01030	—	0.01030	0.00778	—	0.00778	0.00000	43.8945	43.8945	0.00184	0.00037	—	44.0499
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	5.05562	5.05562	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.86752	0.86752	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.92315	5.92315	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	0.92265	0.92265	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15832	0.15832	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14393	0.13529	0.01250	1.35662	0.00006	0.00093	—	0.00093	0.00070	—	0.00070	—	3.58384	3.58384	0.00015	0.00003	—	3.59653
Total	1.22490	1.21627	0.01250	1.35662	0.00006	0.00093	—	0.00093	0.00070	—	0.00070	0.00000	3.58384	3.58384	0.00015	0.00003	—	3.59653

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	17.2827	0.00000	17.2827	0.06412	0.03833	—	30.3079
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.32782	0.00000	0.32782	0.00122	0.00073	—	0.57489
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	17.2827	0.00000	17.2827	0.06412	0.03833	—	30.3079
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.32782	0.00000	0.32782	0.00122	0.00073	—	0.57489

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.86134	0.00000	2.86134	0.01062	0.00635	—	5.01782
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.05427	0.00000	0.05427	0.00020	0.00012	—	0.09518
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.91562	0.00000	2.91562	0.01082	0.00647	—	5.11300

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	17.2827	0.00000	17.2827	0.06412	0.03833	—	30.3079
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.32782	0.00000	0.32782	0.00122	0.00073	—	0.57489

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Unenclo Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	17.2827	0.00000	17.2827	0.06412	0.03833	—	30.3079
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.32782	0.00000	0.32782	0.00122	0.00073	—	0.57489
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.86134	0.00000	2.86134	0.01062	0.00635	—	5.01782
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.05427	0.00000	0.05427	0.00020	0.00012	—	0.09518
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.91562	0.00000	2.91562	0.01082	0.00647	—	5.11300

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	87.7316	0.00000	87.7316	8.76846	0.00000	—	306.943
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.17365	0.00000	1.17365	0.11730	0.00000	—	4.10619
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	87.7316	0.00000	87.7316	8.76846	0.00000	—	306.943
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.17365	0.00000	1.17365	0.11730	0.00000	—	4.10619

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	14.5250	0.00000	14.5250	1.45172	0.00000	—	50.8179
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.19431	0.00000	0.19431	0.01942	0.00000	—	0.67983
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	14.7193	0.00000	14.7193	1.47114	0.00000	—	51.4978

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	87.7316	0.00000	87.7316	8.76846	0.00000	—	306.943
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.17365	0.00000	1.17365	0.11730	0.00000	—	4.10619

Unenclo Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	87.7316	0.00000	87.7316	8.76846	0.00000	—	306.943
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	1.17365	0.00000	1.17365	0.11730	0.00000	—	4.10619
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	88.9053	0.00000	88.9053	8.88576	0.00000	—	311.049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	14.5250	0.00000	14.5250	1.45172	0.00000	—	50.8179
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.19431	0.00000	0.19431	0.01942	0.00000	—	0.67983
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	14.7193	0.00000	14.7193	1.47114	0.00000	—	51.4978

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.67713	1.67713
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00996	0.00996
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.67713	1.67713
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00996	0.00996
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27767	0.27767

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00165	0.00165
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27932	0.27932

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.67713	1.67713
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00996	0.00996
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.67713	1.67713
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00996	0.00996
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68708	1.68708
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Apartments	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27767	0.27767
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00165	0.00165
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27932	0.27932

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579
Total	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579
Total	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2027	7/3/2027	6.00000	29.0000	—
Site Preparation	Site Preparation	7/6/2027	7/10/2027	6.00000	5.00000	—
Grading	Grading	7/13/2027	10/30/2027	6.00000	95.0000	—
Building Construction	Building Construction	3/1/2028	10/2/2028	6.00000	185.000	—
Paving	Paving	2/1/2028	3/1/2028	6.00000	26.0000	—
Architectural Coating	Architectural Coating	4/5/2028	10/2/2028	6.00000	155.000	—
Trenching	Trenching	11/2/2027	2/26/2028	6.00000	101.000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Trenching	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Tier 4 Final	2.00000	8.00000	36.0000	0.38000
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00000	8.00000	84.0000	0.37000
Site Preparation	Graders	Diesel	Tier 4 Final	1.000000	8.00000	148.000	0.41000
Grading	Graders	Diesel	Tier 4 Final	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Tier 4 Final	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 4 Final	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Final	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.000000	6.00000	37.0000	0.48000
Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.000000	8.00000	84.0000	0.37000
Trenching	Excavators	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40000	HHDT,MHDT
Demolition	Hauling	33.0500	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Grading	Vendor	—	8.40000	HHDT,MHDT
Grading	Hauling	12.4105	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	185.064	11.7000	LDA,LDT1,LDT2
Building Construction	Vendor	33.4821	8.40000	HHDT,MHDT
Building Construction	Hauling	2.18000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	7.50000	11.7000	LDA,LDT1,LDT2
Paving	Vendor	—	8.40000	HHDT,MHDT
Paving	Hauling	0.40000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	37.0129	11.7000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	5.00000	11.7000	LDA,LDT1,LDT2
Trenching	Vendor	—	8.40000	HHDT,MHDT
Trenching	Hauling	0.00000	20.0000	HHDT

Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40000	HHDT,MHDT
Demolition	Hauling	33.0500	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Grading	Vendor	—	8.40000	HHDT,MHDT
Grading	Hauling	12.4105	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	185.064	11.7000	LDA,LDT1,LDT2
Building Construction	Vendor	33.4821	8.40000	HHDT,MHDT
Building Construction	Hauling	2.18000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	7.50000	11.7000	LDA,LDT1,LDT2
Paving	Vendor	—	8.40000	HHDT,MHDT
Paving	Hauling	0.40000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	37.0129	11.7000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

Trenching	Worker	5.00000	11.7000	LDA,LDT1,LDT2
Trenching	Vendor	—	8.40000	HHDT,MHDT
Trenching	Hauling	0.00000	20.0000	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	452,205	150,735	3,106.50	1,035.50	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	49,088.0	0.00000
Site Preparation	—	—	10.00000	0.00000	0.00000
Grading	—	9,431.00	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.00000

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Apartments Mid Rise	—	0%
Paving	Regional Shopping Center	0.00000	0%
Paving	Unenclosed Parking with Elevator	0.00000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	99.9830	0.03300	0.00400
2028	0.00000	99.9830	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	635.800	572.000	477.400	220,481	4,889.47	4,398.83	3,671.33	1,695,557
Regional Shopping Center	113.157	138.253	63.2570	40,009.1	501.689	685.501	313.648	182,896
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	635.800	572.000	477.400	220,481	4,889.47	4,398.83	3,671.33	1,695,557
Regional Shopping Center	113.157	138.253	63.2570	40,009.1	501.689	685.501	313.648	182,896
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Apartments Mid Rise	Wood Fireplaces	0	0
Apartments Mid Rise	Gas Fireplaces	0	0
Apartments Mid Rise	Propane Fireplaces	0	0
Apartments Mid Rise	Electric Fireplaces	0	0
Apartments Mid Rise	No Fireplaces	0	0
Apartments Mid Rise	Conventional Wood Stoves	0	0
Apartments Mid Rise	Catalytic Wood Stoves	0	0
Apartments Mid Rise	Non-Catalytic Wood Stoves	0	0
Apartments Mid Rise	Pellet Wood Stoves	0	0
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0
Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0

Regional Shopping Center	Pellet Wood Stoves	0	0
Unenclosed Parking with Elevator	Wood Fireplaces	0	0
Unenclosed Parking with Elevator	Gas Fireplaces	0	0
Unenclosed Parking with Elevator	Propane Fireplaces	0	0
Unenclosed Parking with Elevator	Electric Fireplaces	0	0
Unenclosed Parking with Elevator	No Fireplaces	0	0
Unenclosed Parking with Elevator	Conventional Wood Stoves	0	0
Unenclosed Parking with Elevator	Catalytic Wood Stoves	0	0
Unenclosed Parking with Elevator	Non-Catalytic Wood Stoves	0	0
Unenclosed Parking with Elevator	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
452,205	150,735	3,106.50	1,035.50	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,336,142	0.00000	0.0330	0.0040	0.00000
Regional Shopping Center	21,155.4	0.00000	0.0330	0.0040	0.00000
Unenclosed Parking with Elevator	159,967	0.00000	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,336,142	0.00000	0.0330	0.0040	0.00000
Regional Shopping Center	21,155.4	0.00000	0.0330	0.0040	0.00000
Unenclosed Parking with Elevator	159,967	0.00000	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	8,087,407	0.00000
Regional Shopping Center	153,404	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	8,087,407	0.00000
Regional Shopping Center	153,404	0.00000

Unenclosed Parking with Elevator	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	162.786	0.00000
Regional Shopping Center	2.17770	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	162.786	0.00000
Regional Shopping Center	2.17770	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000

Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.000000	0.00000	50.0000	1,207.00	0.73000

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.8000	annual days of extreme heat
Extreme Precipitation	4.05000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	10.6600	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatu observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderat received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-20 consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise couple extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter,
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the g four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Ra different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a s representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate ri measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a s representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk redu measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	10.5663

AQ-PM	16.4655
AQ-DPM	80.7841
Drinking Water	61.3838
Lead Risk Housing	99.0170
Pesticides	0.00000
Toxic Releases	25.0563
Traffic	83.8000
Effect Indicators	—
CleanUp Sites	53.9567
Groundwater	55.7197
Haz Waste Facilities/Generators	93.9775
Impaired Water Bodies	90.1302
Solid Waste	0.00000
Sensitive Population	—
Asthma	71.2861
Cardio-vascular	36.8644
Low Birth Weights	79.2789
Socioeconomic Factor Indicators	—
Education	78.3346
Housing	88.2510
Linguistic	55.1495
Poverty	54.0327
Unemployment	49.8568

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	24.18837418
Employed	57.44899269
Median HI	39.71512896
Education	—
Bachelor's or higher	20.18478121
High school enrollment	6.582830746
Preschool enrollment	71.75670474
Transportation	—
Auto Access	71.35891184
Active commuting	63.58270243
Social	—
2-parent households	35.19825484
Voting	43.11561658
Neighborhood	—
Alcohol availability	30.45040421
Park access	37.53368408
Retail density	67.7659438
Supermarket access	94.25125112
Tree canopy	74.33594251
Housing	—
Homeownership	30.16809958
Housing habitability	8.879763891
Low-inc homeowner severe housing cost burden	21.69896061
Low-inc renter severe housing cost burden	12.89618889
Uncrowded housing	2.810214295
Health Outcomes	—
Insured adults	21.95560118
Arthritis	0.0

Asthma ER Admissions	23.4
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	17.1
Cognitively Disabled	74.6
Physically Disabled	59.0
Heart Attack ER Admissions	56.1
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	59.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	56.5
Children	18.1
Elderly	84.9
English Speaking	22.2
Foreign-born	82.0

Outdoor Workers	30.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	43.1
Traffic Density	84.0
Traffic Access	69.0
Other Indices	—
Hardship	82.9
Other Decision Support	—
2016 Voting	25.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	77.0000
Healthy Places Index Score for Project Location (b)	34.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	East Palo Alto default clean energy provider is Peninsula Clean Energy. 2024 CO2 intensity used from power content label.
Land Use	Lot acreage for phase 1. Number of dwelling units, square footages, and number of parking spaces from provided plans. Amenity & leasing square footage included in residential square footage.
Construction: Construction Phases	Dates provided by applicant. 6 day/week construction schedule.
Construction: Off-Road Equipment	Defaults modified by the applicant.
Construction: Dust From Material Movement	Soil export provided by applicant. BMPs required by East Palo Alto.
Construction: Trips and VMT	Demolition = Est. 43,000 sf of pavement demo'ed and hauled (4.8 trips/day), Building Cons Est. 251 concrete truck round trips (2.18 trips/day), Paving = Est. 4 asphalt truck round trip (0.4 trips/day).
Construction: On-Road Fugitive Dust	BMPs 15 mph.
Operations: Vehicle Data	Trip gen provided by traffic consultant.
Operations: Hearths	No hearths.
Operations: Energy Use	Project design is all-electric. Confirmed no natural gas by applicant. Convert natural gas to electricity.
Operations: Water and Waste Water	Wastewater treatment 100% aerobic - no septic tanks or lagoons.

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value
Electric Utility	Pacific Gas & Electric Company	Peninsula Clean Energy

8.2.2. Utility Information

Model Parameter	Units	Default Value	New Value
CO2	lb/MWh	99.9830	0.00000

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.78947	1.84000
Building Area	sq. ft	211,200	234,170
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.04761	0.00000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.99900	0.00000
Building Area	sq. ft	44,400.0	56,766.0
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	6/29/2027	7/3/2027
Demolition	Demolition	Days/Week	5.00000	6.00000
Demolition	Demolition	Work Days per Phase	20.0000	29.0000
Site Preparation	Site Preparation	Start Date	6/30/2027	7/6/2027
Site Preparation	Site Preparation	End Date	7/2/2027	7/10/2027
Site Preparation	Site Preparation	Days/Week	5.00000	6.00000
Site Preparation	Site Preparation	Work Days per Phase	2.00000	5.00000
Grading	Grading	Start Date	7/3/2027	7/13/2027
Grading	Grading	End Date	7/8/2027	10/30/2027
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	4.00000	95.0000
Building Construction	Building Construction	Start Date	7/9/2027	3/1/2028

Building Construction	Building Construction	End Date	4/14/2028	10/2/2028
Building Construction	Building Construction	Days/Week	5.00000	6.00000
Building Construction	Building Construction	Work Days per Phase	200.000	185.000
Paving	Paving	Start Date	4/15/2028	2/1/2028
Paving	Paving	End Date	4/29/2028	3/1/2028
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	10.00000	26.0000
Architectural Coating	Architectural Coating	Start Date	4/30/2028	4/5/2028
Architectural Coating	Architectural Coating	End Date	5/14/2028	10/2/2028
Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	155.000
Trenching	Trenching	Start Date	2/5/2026	11/2/2027
Trenching	Trenching	End Date	2/27/2026	2/26/2028
Trenching	Trenching	Work Days per Phase	20.0000	101.000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Demolition	Rubber Tired Dozers	Number per Day	1.000000	2.00000
Demolition	Excavators	Number per Day	3.00000	2.00000
Site Preparation	Rubber Tired Dozers	Number per Day	1.000000	3.00000
Site Preparation	Rubber Tired Dozers	Hours Per Day	7.00000	8.00000
Site Preparation	Tractors/Loaders/Backhoes	Number per Day	1.000000	2.00000
Grading	Tractors/Loaders/Backhoes	Number per Day	2.00000	3.00000
Grading	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000
Building Construction	Cranes	Hours Per Day	6.00000	7.00000
Building Construction	Forklifts	Number per Day	1.000000	3.00000
Building Construction	Forklifts	Hours Per Day	6.00000	8.00000
Building Construction	Tractors/Loaders/Backhoes	Number per Day	1.000000	3.00000

Building Construction	Tractors/Loaders/Backhoes	Hours Per Day	6.00000	7.00000
Building Construction	Welders	Number per Day	3.00000	1.000000
Paving	Pavers	Hours Per Day	6.00000	8.00000
Paving	Rollers	Hours Per Day	7.00000	8.00000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Exported	Cubic Yards	—	9,431.00
Grading	Total Acres Graded	acres	95.0000	20.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Hauling	One-Way Trips per Day	19.4828	33.0500
Building Construction	Hauling	One-Way Trips per Day	0.00000	2.18000
Paving	Hauling	One-Way Trips per Day	0.00000	0.40000

8.4.7. On-Road Fugitive Dust

Phase Name	Model Parameter	Units	Default Value	New Value
Demolition	Mean Vehicle Speed	mph	40.0000	15.0000
Site Preparation	Mean Vehicle Speed	mph	40.0000	15.0000
Grading	Mean Vehicle Speed	mph	40.0000	15.0000
Building Construction	Mean Vehicle Speed	mph	40.0000	15.0000
Paving	Mean Vehicle Speed	mph	40.0000	15.0000
Architectural Coating	Mean Vehicle Speed	mph	40.0000	15.0000
Trenching	Mean Vehicle Speed	mph	40.0000	15.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Weekday Trip Rate	size/day	5.44000	2.89000
Apartments Mid Rise	Saturday Trip Rate	size/day	4.91000	2.60000
Apartments Mid Rise	Sunday Trip Rate	size/day	4.09000	2.17000
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	54.5600
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	66.6600
Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	30.5000

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Default Value	New Value
Apartments Mid Rise	Gas Fireplaces	114	0
Apartments Mid Rise	No Fireplaces	109	0
Apartments Mid Rise	Hours/Day	4	0
Apartments Mid Rise	Days/Year	9	0

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Electricity	kWh/yr	760,754	1,336,142
Apartments Mid Rise	Electricity (Subject to Title 24)	kWh/yr	186,862	721,584
Apartments Mid Rise	Electricity (Not Subject to Title 24)	kWh/yr	573,891	614,558
Apartments Mid Rise	Natural Gas	kBTU/yr	1,963,308	0.00000
Apartments Mid Rise	Natural Gas (Not Subject to Title 24)	kBTU/yr	138,760	0.00000
Regional Shopping Center	Electricity	kWh/yr	17,696.6	21,155.4

Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	12,493.3	15,881.6
Regional Shopping Center	Electricity (Not Subject to Title 24)	kWh/yr	5,203.32	5,273.77
Regional Shopping Center	Natural Gas	kBTU/yr	11,801.7	0.00000
Regional Shopping Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	240.395	0.00000

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Treated by Septic Tank	%	10.3300	0.00000
Apartments Mid Rise	Treated by Aerobic Processes	%	87.4600	100.0000
Apartments Mid Rise	Treated by Facultative Lagoons	%	2.21000	0.00000
Regional Shopping Center	Treated by Septic Tank	%	10.3300	0.00000
Regional Shopping Center	Treated by Aerobic Processes	%	87.4600	100.0000
Regional Shopping Center	Treated by Facultative Lagoons	%	2.21000	0.00000
Unenclosed Parking with Elevator	Treated by Septic Tank	%	10.3300	0.00000
Unenclosed Parking with Elevator	Treated by Aerobic Processes	%	87.4600	100.0000
Unenclosed Parking with Elevator	Treated by Facultative Lagoons	%	2.21000	0.00000

24-140 2120-2160 Euclid Ave, East Palo Alto Phase 2 BMPs T4F C 2030 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	24-140 2120-2160 Euclid Ave, East Palo Alto Phase 2 BMPs T4F Const 2030
Construction Start Date	10/2/2028
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	18.8000
Location	2120 Euclid Ave, East Palo Alto, CA 94303, USA
County	San Mateo
City	East Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1281
EDFZ	1
Electric Utility	Peninsula Clean Energy
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.44

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	210.000	Dwelling Unit	2.25000	235,915	0.00000	—	605.000	—

Unenclosed Parking with Elevator	321.000	Space	0.00000	157,306	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.7356	22.3700	11.5031	21.5379	0.03520	0.29959	2.54982	2.84942	0.27651	0.61162	0.88813	—	5,959.65	5,959.65	0.26347	0.24280	6.84086	6,045.44
Mit.	21.8280	21.6516	5.58532	23.3089	0.03520	0.08725	2.54982	2.63707	0.08480	0.61162	0.69642	—	5,959.65	5,959.65	0.26347	0.24280	6.84086	6,045.44
% Reduced	4%	3%	51%	-8%	—	71%	—	7%	69%	—	22%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.7401	22.3699	20.1563	21.0541	0.03520	0.78026	5.21415	5.98540	0.71819	2.65086	3.36041	—	5,850.50	5,850.50	0.26922	0.24387	0.17706	5,930.08
Mit.	21.8324	21.6514	5.76384	28.6024	0.04893	0.09960	7.76956	7.86916	0.09960	3.96417	4.06377	—	5,850.50	5,850.50	0.26922	0.24387	0.17706	5,930.08
% Reduced	4%	3%	71%	-36%	-39%	87%	-49%	-31%	86%	-50%	-21%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.67377	7.46618	7.70096	12.3393	0.01996	0.24034	1.52010	1.76044	0.22144	0.50506	0.72650	—	2,931.85	2,931.85	0.13012	0.09516	1.09866	2,964.56

Mit.	6.98704	6.91834	3.04990	13.7584	0.02078	0.05218	1.52010	1.57228	0.05089	0.50506	0.55595	—	3,020.54	3,020.54	0.13372	0.09588	1.09866	3,053.55
% Reduced	9%	7%	60%	-12%	—	78%	—	11%	77%	—	23%	—	-3%	-3%	-3%	—	—	-3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.40046	1.36258	1.40542	2.25193	0.00364	0.04386	0.27742	0.32128	0.04041	0.09217	0.13259	—	485.401	485.401	0.02154	0.01576	0.18190	490.817
Mit.	1.27513	1.26260	0.55661	2.51092	0.00379	0.00952	0.27742	0.28694	0.00929	0.09217	0.10146	—	500.084	500.084	0.02214	0.01587	0.18190	505.550
% Reduced	9%	7%	60%	-12%	-4%	78%	—	11%	77%	—	23%	—	-3%	-3%	-3%	-1%	—	-3%

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	22.7356	22.3700	11.5031	21.5379	0.03520	0.29959	2.54982	2.84942	0.27651	0.61162	0.88813	—	5,959.65	5,959.65	0.26347	0.24280	6.84086	6,045.44
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.70401	2.23289	20.1563	19.8349	0.03486	0.78026	5.21415	5.98540	0.71819	2.65086	3.36041	—	3,902.99	3,902.99	0.19122	0.08745	0.02365	3,933.86
2029	22.7401	22.3699	12.1108	21.0541	0.03520	0.50698	2.86554	3.37252	0.46642	1.35987	1.82629	—	5,850.50	5,850.50	0.26922	0.24387	0.17706	5,930.08
2030	22.6716	22.3228	11.3709	20.6901	0.03520	0.28220	2.54982	2.83202	0.26051	0.61162	0.87213	—	5,775.04	5,775.04	0.26699	0.24171	0.15583	5,853.90
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.46375	0.38695	3.42953	3.68538	0.00621	0.13869	0.45664	0.59533	0.12762	0.21825	0.34587	—	694.802	694.802	0.03053	0.01008	0.04409	698.613
2029	7.67377	7.46618	7.70096	12.3393	0.01996	0.24034	1.52010	1.76044	0.22144	0.50506	0.72650	—	2,931.85	2,931.85	0.13012	0.09516	1.09866	2,964.56
2030	2.82117	2.77776	1.41005	2.55479	0.00438	0.03512	0.31363	0.34876	0.03242	0.07519	0.10762	—	719.477	719.477	0.03251	0.03008	0.32308	729.578
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2028	0.08463	0.07062	0.62589	0.67258	0.00113	0.02531	0.08334	0.10865	0.02329	0.03983	0.06312	—	115.032	115.032	0.00505	0.00167	0.00730	115.663
2029	1.40046	1.36258	1.40542	2.25193	0.00364	0.04386	0.27742	0.32128	0.04041	0.09217	0.13259	—	485.401	485.401	0.02154	0.01576	0.18190	490.817
2030	0.51486	0.50694	0.25733	0.46625	0.00080	0.00641	0.05724	0.06365	0.00592	0.01372	0.01964	—	119.118	119.118	0.00538	0.00498	0.05349	120.790

2.2.2. Onsite Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	22.0420	21.8322	9.37581	14.0134	0.02512	0.28848	0.00000	0.28848	0.26540	0.00000	0.26540	—	2,530.34	2,530.34	0.10264	0.02053	0.00000	2,539.03
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.61361	2.19353	19.5832	19.5403	0.03351	0.77585	5.11082	5.88207	0.71378	2.62664	3.33619	—	3,630.11	3,630.11	0.14725	0.02945	0.00000	3,642.57
2029	22.0420	21.8322	12.0913	15.3248	0.02512	0.50698	2.76221	3.26919	0.46642	1.33565	1.80207	—	2,668.96	2,668.96	0.10826	0.02165	0.00000	2,678.12
2030	22.0075	21.8035	9.17669	13.9919	0.02512	0.27109	0.00000	0.27109	0.24940	0.00000	0.24940	—	2,530.35	2,530.35	0.10264	0.02053	0.00000	2,539.03
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.45330	0.38069	3.38250	3.59106	0.00603	0.13834	0.42646	0.56480	0.12727	0.21089	0.33817	—	645.209	645.209	0.02617	0.00523	0.00000	647.423
2029	7.41759	7.26671	6.86925	9.77446	0.01628	0.23628	0.57731	0.81358	0.21738	0.27915	0.49653	—	1,697.13	1,697.13	0.06884	0.01377	0.00000	1,702.95
2030	2.73910	2.71370	1.14215	1.74146	0.00313	0.03374	0.00000	0.03374	0.03104	0.00000	0.03104	—	314.932	314.932	0.01277	0.00256	0.00000	316.012
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.08273	0.06948	0.61731	0.65537	0.00110	0.02525	0.07783	0.10308	0.02323	0.03849	0.06172	—	106.822	106.822	0.00433	0.00087	0.00000	107.188
2029	1.35371	1.32617	1.25364	1.78384	0.00297	0.04312	0.10536	0.14848	0.03967	0.05095	0.09062	—	280.979	280.979	0.01140	0.00228	0.00000	281.944
2030	0.49989	0.49525	0.20844	0.31782	0.00057	0.00616	0.00000	0.00616	0.00566	0.00000	0.00566	—	52.1405	52.1405	0.00212	0.00042	0.00000	52.3194

2.2.3. Offsite Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.69367	0.53777	2.12726	7.52451	0.01008	0.01111	2.54982	2.56093	0.01111	0.61162	0.62273	—	3,429.31	3,429.31	0.16083	0.22227	6.84086	3,506.41
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.09040	0.03936	0.57304	0.74266	0.00231	0.00441	0.21670	0.22111	0.00441	0.05444	0.05885	—	474.423	474.423	0.05214	0.05964	0.02365	493.521
2029	0.69817	0.53766	2.30577	7.04074	0.01008	0.01111	2.54982	2.56093	0.01111	0.61162	0.62273	—	3,320.16	3,320.16	0.16658	0.22334	0.17706	3,391.05
2030	0.66404	0.51936	2.19424	6.69811	0.01008	0.01111	2.54982	2.56093	0.01111	0.61162	0.62273	—	3,244.69	3,244.69	0.16435	0.22118	0.15583	3,314.87
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.01045	0.00627	0.04703	0.09431	0.00018	0.00035	0.03018	0.03053	0.00035	0.00736	0.00771	—	49.5932	49.5932	0.00436	0.00484	0.04409	51.1898
2029	0.25618	0.19947	0.83171	2.56487	0.00368	0.00407	0.94279	0.94686	0.00407	0.22591	0.22997	—	1,234.72	1,234.72	0.06128	0.08139	1.09866	1,261.60
2030	0.08207	0.06406	0.26790	0.81333	0.00125	0.00138	0.31363	0.31502	0.00138	0.07519	0.07658	—	404.546	404.546	0.01974	0.02753	0.32308	413.566
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.00191	0.00114	0.00858	0.01721	0.00003	0.00006	0.00551	0.00557	0.00006	0.00134	0.00141	—	8.21072	8.21072	0.00072	0.00080	0.00730	8.47506
2029	0.04675	0.03640	0.15179	0.46809	0.00067	0.00074	0.17206	0.17280	0.00074	0.04123	0.04197	—	204.422	204.422	0.01015	0.01348	0.18190	208.873
2030	0.01498	0.01169	0.04889	0.14843	0.00023	0.00025	0.05724	0.05749	0.00025	0.01372	0.01398	—	66.9772	66.9772	0.00327	0.00456	0.05349	68.4706

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	21.8280	21.6516	5.58532	23.3089	0.03520	0.08725	2.54982	2.63707	0.08480	0.61162	0.69642	—	5,959.65	5,959.65	0.26347	0.24280	6.84086	6,045.44
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.52382	0.52327	5.07829	28.6024	0.04893	0.09960	7.76956	7.86916	0.09960	3.96417	4.06377	—	5,391.93	5,391.93	0.21665	0.08745	0.02365	5,4[illegible]

2029	21.8324	21.6514	5.76384	22.8251	0.03520	0.08725	2.86554	2.92099	0.08480	1.35987	1.41532	—	5,850.50	5,850.50	0.26922	0.24387	0.17706	5,930.08
2030	21.7981	21.6330	5.65062	22.4821	0.03520	0.08698	2.54982	2.63681	0.08455	0.61162	0.69617	—	5,775.04	5,775.04	0.26699	0.24171	0.15583	5,853.90
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.08255	0.07836	0.68448	4.14350	0.00694	0.01385	0.53365	0.54750	0.01385	0.25783	0.27168	—	773.404	773.404	0.03372	0.01072	0.04409	777.484
2029	6.98704	6.91834	3.04990	13.7584	0.02078	0.05218	1.52010	1.57228	0.05089	0.50506	0.55595	—	3,020.54	3,020.54	0.13372	0.09588	1.09866	3,053.55
2030	2.71246	2.69190	0.69809	2.77783	0.00438	0.01083	0.31363	0.32446	0.01052	0.07519	0.08572	—	719.477	719.477	0.03251	0.03008	0.32308	729.578
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.01506	0.01430	0.12492	0.75619	0.00127	0.00253	0.09739	0.09992	0.00253	0.04705	0.04958	—	128.046	128.046	0.00558	0.00177	0.00730	128.721
2029	1.27513	1.26260	0.55661	2.51092	0.00379	0.00952	0.27742	0.28694	0.00929	0.09217	0.10146	—	500.084	500.084	0.02214	0.01587	0.18190	505.550
2030	0.49502	0.49127	0.12740	0.50695	0.00080	0.00198	0.05724	0.05921	0.00192	0.01372	0.01564	—	119.118	119.118	0.00538	0.00498	0.05349	120.790

2.2.5. Onsite Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	21.1343	21.1138	3.53804	15.7844	0.02512	0.07614	0.00000	0.07614	0.07369	0.00000	0.07369	—	2,530.34	2,530.34	0.10264	0.02053	0.00000	2,539.03
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.49800	0.49800	4.50525	28.3078	0.04893	0.09960	7.66623	7.76583	0.09960	3.93995	4.03955	—	5,300.02	5,300.02	0.21499	0.04300	0.00000	5,318.21
2029	21.1343	21.1138	3.45807	17.7652	0.02729	0.07614	2.76221	2.81766	0.07369	1.33565	1.39110	—	2,955.46	2,955.46	0.11989	0.02398	0.00000	2,965.61
2030	21.1341	21.1136	3.45637	15.7840	0.02512	0.07587	0.00000	0.07587	0.07344	0.00000	0.07344	—	2,530.35	2,530.35	0.10264	0.02053	0.00000	2,539.03
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.07209	0.07209	0.63744	4.04918	0.00675	0.01350	0.50347	0.51697	0.01350	0.25047	0.26397	—	723.811	723.811	0.02936	0.00587	0.00000	726.295
2029	6.73086	6.71887	2.21819	11.1936	0.01710	0.04811	0.57731	0.62542	0.04682	0.27915	0.32597	—	1,785.82	1,785.82	0.07244	0.01449	0.00000	1,791.95
2030	2.63038	2.62784	0.43019	1.96451	0.00313	0.00944	0.00000	0.00944	0.00914	0.00000	0.00914	—	314.932	314.932	0.01277	0.00256	0.00000	316.012

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.01316	0.01316	0.11633	0.73898	0.00123	0.00246	0.09188	0.09435	0.00246	0.04571	0.04817	—	119.835	119.835	0.00486	0.00097	0.00000	120.246
2029	1.22838	1.22619	0.40482	2.04283	0.00312	0.00878	0.10536	0.11414	0.00854	0.05095	0.05949	—	295.662	295.662	0.01199	0.00240	0.00000	296.677
2030	0.48005	0.47958	0.07851	0.35852	0.00057	0.00172	0.00000	0.00172	0.00167	0.00000	0.00167	—	52.1405	52.1405	0.00212	0.00042	0.00000	52.3194

2.2.6. Offsite Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.69367	0.53777	2.12726	7.52451	0.01008	0.01111	2.54982	2.56093	0.01111	0.61162	0.62273	—	3,429.31	3,429.31	0.16083	0.22227	6.84086	3,506.41
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.09040	0.03936	0.57304	0.74266	0.00231	0.00441	0.21670	0.22111	0.00441	0.05444	0.05885	—	474.423	474.423	0.05214	0.05964	0.02365	493.521
2029	0.69817	0.53766	2.30577	7.04074	0.01008	0.01111	2.54982	2.56093	0.01111	0.61162	0.62273	—	3,320.16	3,320.16	0.16658	0.22334	0.17706	3,391.05
2030	0.66404	0.51936	2.19424	6.69811	0.01008	0.01111	2.54982	2.56093	0.01111	0.61162	0.62273	—	3,244.69	3,244.69	0.16435	0.22118	0.15583	3,314.87
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.01045	0.00627	0.04703	0.09431	0.00018	0.00035	0.03018	0.03053	0.00035	0.00736	0.00771	—	49.5932	49.5932	0.00436	0.00484	0.04409	51.1898
2029	0.25618	0.19947	0.83171	2.56487	0.00368	0.00407	0.94279	0.94686	0.00407	0.22591	0.22997	—	1,234.72	1,234.72	0.06128	0.08139	1.09866	1,261.60
2030	0.08207	0.06406	0.26790	0.81333	0.00125	0.00138	0.31363	0.31502	0.00138	0.07519	0.07658	—	404.546	404.546	0.01974	0.02753	0.32308	413.566
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.00191	0.00114	0.00858	0.01721	0.00003	0.00006	0.00551	0.00557	0.00006	0.00134	0.00141	—	8.21072	8.21072	0.00072	0.00080	0.00730	8.47506
2029	0.04675	0.03640	0.15179	0.46809	0.00067	0.00074	0.17206	0.17280	0.00074	0.04123	0.04197	—	204.422	204.422	0.01015	0.01348	0.18190	208.873
2030	0.01498	0.01169	0.04889	0.14843	0.00023	0.00025	0.05724	0.05749	0.00025	0.01372	0.01398	—	66.9772	66.9772	0.00327	0.00456	0.05349	68.4706

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.74128	9.47900	0.98517	30.0189	0.03369	0.03276	3.28553	3.31828	0.02740	0.83243	0.85983	99.7613	3,390.93	3,490.69	8.69793	0.16317	7.80245	3,764.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.42000	7.30475	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	99.7613	3,187.01	3,286.78	8.70889	0.17388	1.84812	3,558.16
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.46195	8.27969	0.94733	19.4045	0.03030	0.02308	3.08367	3.10675	0.01996	0.78142	0.80138	99.7613	3,064.63	3,164.39	8.69831	0.16418	4.19731	3,434.98
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.54431	1.51104	0.17289	3.54132	0.00553	0.00421	0.56277	0.56698	0.00364	0.14261	0.14625	16.5166	507.385	523.902	1.44011	0.02718	0.69491	568.700

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.47555	1.36519	0.81630	11.2227	0.03276	0.01516	3.28553	3.30069	0.01411	0.83243	0.84655	—	3,330.94	3,330.94	0.11631	0.10864	6.11283	3,372.33
Area	8.26573	8.11382	0.16887	18.7962	0.00092	0.01759	—	0.01759	0.01328	—	0.01328	0.00000	59.9880	59.9880	0.00251	0.00051	—	60.2015
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Water	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Waste	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	9.74128	9.47900	0.98517	30.0189	0.03369	0.03276	3.28553	3.31828	0.02740	0.83243	0.85983	99.7613	3,390.93	3,490.69	8.69793	0.16317	7.80245	3,764.56

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.46118	1.34594	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	—	3,187.01	3,187.01	0.12978	0.11985	0.15850	3,226.13
Area	5.95882	5.95882	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Water	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Waste	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	7.42000	7.30475	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	99.7613	3,187.01	3,286.78	8.70889	0.17388	1.84812	3,558.16
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.36548	1.25813	0.86405	10.1352	0.02985	0.01441	3.08367	3.09808	0.01341	0.78142	0.79483	—	3,035.05	3,035.05	0.11797	0.10990	2.50769	3,073.26
Area	7.09647	7.02156	0.08328	9.26935	0.00046	0.00868	—	0.00868	0.00655	—	0.00655	0.00000	29.5831	29.5831	0.00124	0.00025	—	29.6884
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Water	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Waste	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	8.46195	8.27969	0.94733	19.4045	0.03030	0.02308	3.08367	3.10675	0.01996	0.78142	0.80138	99.7613	3,064.63	3,164.39	8.69831	0.16418	4.19731	3,434.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.24920	0.22961	0.15769	1.84967	0.00545	0.00263	0.56277	0.56540	0.00245	0.14261	0.14506	—	502.487	502.487	0.01953	0.01820	0.41518	508.813
Area	1.29511	1.28143	0.01520	1.69166	0.00008	0.00158	—	0.00158	0.00120	—	0.00120	0.00000	4.89782	4.89782	0.00021	0.00004	—	4.91525
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.02520	0.00305	—	1.54029
Water	—	—	—	—	—	—	—	—	—	—	—	2.65605	0.00000	2.65605	0.00985	0.00589	—	4.65780
Waste	—	—	—	—	—	—	—	—	—	—	—	13.8606	0.00000	13.8606	1.38532	0.00000	—	48.4935
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27974	0.27974
Total	1.54431	1.51104	0.17289	3.54132	0.00553	0.00421	0.56277	0.56698	0.00364	0.14261	0.14625	16.5166	507.385	523.902	1.44011	0.02718	0.69491	568.700

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.47555	1.36519	0.81630	11.2227	0.03276	0.01516	3.28553	3.30069	0.01411	0.83243	0.84655	—	3,330.94	3,330.94	0.11631	0.10864	6.11283	3,372.33
Area	8.26573	8.11382	0.16887	18.7962	0.00092	0.01759	—	0.01759	0.01328	—	0.01328	0.00000	59.9880	59.9880	0.00251	0.00051	—	60.2015
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Water	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Waste	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	9.74128	9.47900	0.98517	30.0189	0.03369	0.03276	3.28553	3.31828	0.02740	0.83243	0.85983	99.7613	3,390.93	3,490.69	8.69793	0.16317	7.80245	3,764.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.46118	1.34594	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	—	3,187.01	3,187.01	0.12978	0.11985	0.15850	3,226.13
Area	5.95882	5.95882	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Water	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Waste	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	7.42000	7.30475	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	99.7613	3,187.01	3,286.78	8.70889	0.17388	1.84812	3,558.16
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.36548	1.25813	0.86405	10.1352	0.02985	0.01441	3.08367	3.09808	0.01341	0.78142	0.79483	—	3,035.05	3,035.05	0.11797	0.10990	2.50769	3,073.26
Area	7.09647	7.02156	0.08328	9.26935	0.00046	0.00868	—	0.00868	0.00655	—	0.00655	0.00000	29.5831	29.5831	0.00124	0.00025	—	29.6884
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Water	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Waste	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962

Total	8.46195	8.27969	0.94733	19.4045	0.03030	0.02308	3.08367	3.10675	0.01996	0.78142	0.80138	99.7613	3,064.63	3,164.39	8.69831	0.16418	4.19731	3,434.98
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.24920	0.22961	0.15769	1.84967	0.00545	0.00263	0.56277	0.56540	0.00245	0.14261	0.14506	—	502.487	502.487	0.01953	0.01820	0.41518	508.813
Area	1.29511	1.28143	0.01520	1.69166	0.00008	0.00158	—	0.00158	0.00120	—	0.00120	0.00000	4.89782	4.89782	0.00021	0.00004	—	4.91525
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.02520	0.00305	—	1.54029
Water	—	—	—	—	—	—	—	—	—	—	—	2.65605	0.00000	2.65605	0.00985	0.00589	—	4.65780
Waste	—	—	—	—	—	—	—	—	—	—	—	13.8606	0.00000	13.8606	1.38532	0.00000	—	48.4935
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27974	0.27974
Total	1.54431	1.51104	0.17289	3.54132	0.00553	0.00421	0.56277	0.56698	0.00364	0.14261	0.14625	16.5166	507.385	523.902	1.44011	0.02718	0.69491	568.700

3. Construction Emissions Details

3.1. Demolition (2028)

3.1.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.61361	2.19353	19.5832	18.6629	0.03255	0.77585	—	0.77585	0.71378	—	0.71378	—	3,428.57	3,428.57	0.13908	0.02782	—	3,440.33
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20766	0.17428	1.55593	1.48280	0.00259	0.06164	—	0.06164	0.05671	—	0.05671	—	272.407	272.407	0.01105	0.00221	—	273.342
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03790	0.03181	0.28396	0.27061	0.00047	0.01125	—	0.01125	0.01035	—	0.01035	—	45.1001	45.1001	0.00183	0.00037	—	45.2548
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03099	0.03032	0.02761	0.35354	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	110.292	110.292	0.00198	0.00099	0.00719	110.645
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05941	0.00904	0.54542	0.38912	0.00231	0.00441	0.09270	0.09711	0.00441	0.02538	0.02979	—	364.131	364.131	0.05016	0.05864	0.01646	382.877
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00244	0.00236	0.00183	0.02693	0.00000	0.00000	0.00973	0.00973	0.00000	0.00228	0.00228	—	8.79039	8.79039	0.00016	0.00008	0.00950	8.82732
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00473	0.00073	0.04272	0.03100	0.00018	0.00035	0.00730	0.00765	0.00035	0.00200	0.00235	—	28.9307	28.9307	0.00398	0.00466	0.02177	30.4406
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00044	0.00043	0.00033	0.00492	0.00000	0.00000	0.00178	0.00178	0.00000	0.00042	0.00042	—	1.45535	1.45535	0.00003	0.00001	0.00157	1.46146
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00086	0.00013	0.00780	0.00566	0.00003	0.00006	0.00133	0.00140	0.00006	0.00036	0.00043	—	4.78981	4.78981	0.00066	0.00077	0.00360	5.03978

3.1.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36229	0.36229	4.50525	18.1730	0.03255	0.06327	—	0.06327	0.06327	—	0.06327	—	3,428.57	3,428.57	0.13908	0.02782	—	3,440.33
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02878	0.02878	0.35795	1.44388	0.00259	0.00503	—	0.00503	0.00503	—	0.00503	—	272.407	272.407	0.01105	0.00221	—	273.342
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00525	0.00525	0.06533	0.26351	0.00047	0.00092	—	0.00092	0.00092	—	0.00092	—	45.1001	45.1001	0.00183	0.00037	—	45.2548
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03099	0.03032	0.02761	0.35354	0.00000	0.00000	0.12400	0.12400	0.00000	0.02906	0.02906	—	110.292	110.292	0.00198	0.00099	0.00719	110.645
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.05941	0.00904	0.54542	0.38912	0.00231	0.00441	0.09270	0.09711	0.00441	0.02538	0.02979	—	364.131	364.131	0.05016	0.05864	0.01646	382.877
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00244	0.00236	0.00183	0.02693	0.00000	0.00000	0.00973	0.00973	0.00000	0.00228	0.00228	—	8.79039	8.79039	0.00016	0.00008	0.00950	8.82732
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00473	0.00073	0.04272	0.03100	0.00018	0.00035	0.00730	0.00765	0.00035	0.00200	0.00235	—	28.9307	28.9307	0.00398	0.00466	0.02177	30.4406
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00044	0.00043	0.00033	0.00492	0.00000	0.00000	0.00178	0.00178	0.00000	0.00042	0.00042	—	1.45535	1.45535	0.00003	0.00001	0.00157	1.46146
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00086	0.00013	0.00780	0.00566	0.00003	0.00006	0.00133	0.00140	0.00006	0.00036	0.00043	—	4.78981	4.78981	0.00066	0.00077	0.00360	5.03978

3.2. Site Preparation (2028)

3.2.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.44650	2.05574	18.6229	19.5403	0.03351	0.77125	—	0.77125	0.70955	—	0.70955	—	3,630.11	3,630.11	0.14725	0.02945	—	3,642.57
Dust From Material Movement	—	—	—	—	—	—	5.11082	5.11082	—	2.62664	2.62664	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07373	0.06195	0.56124	0.58889	0.00101	0.02324	—	0.02324	0.02138	—	0.02138	—	109.401	109.401	0.00444	0.00089	—	109.776
Dust From Material Movement	—	—	—	—	—	—	0.15402	0.15402	—	0.07916	0.07916	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01346	0.01131	0.10243	0.10747	0.00018	0.00424	—	0.00424	0.00390	—	0.00390	—	18.1125	18.1125	0.00073	0.00015	—	18.1747
Dust From Material Movement	—	—	—	—	—	—	0.02811	0.02811	—	0.01445	0.01445	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02582	0.02527	0.02301	0.29462	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	91.9103	91.9103	0.00165	0.00083	0.00599	92.2040
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00077	0.00074	0.00058	0.00851	0.00000	0.00000	0.00308	0.00308	0.00000	0.00072	0.00072	—	2.77857	2.77857	0.00005	0.00002	0.00300	2.79024
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00014	0.00014	0.00011	0.00155	0.00000	0.00000	0.00056	0.00056	0.00000	0.00013	0.00013	—	0.46002	0.46002	0.00001	< 0.000005	0.00050	0.46196
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49800	0.49800	2.58959	28.3078	0.04893	0.09960	—	0.09960	0.09960	—	0.09960	—	5,300.02	5,300.02	0.21499	0.04300	—	5,318.21
Dust From Material Movement	—	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01501	0.01501	0.07804	0.85311	0.00147	0.00300	—	0.00300	0.00300	—	0.00300	—	159.727	159.727	0.00648	0.00130	—	160.275
Dust From Material Movement	—	—	—	—	—	—	0.23104	0.23104	—	0.11874	0.11874	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00274	0.00274	0.01424	0.15569	0.00027	0.00055	—	0.00055	0.00055	—	0.00055	—	26.4446	26.4446	0.00107	0.00021	—	26.5353
Dust From Material Movement	—	—	—	—	—	—	0.04216	0.04216	—	0.02167	0.02167	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02582	0.02527	0.02301	0.29462	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	91.9103	91.9103	0.00165	0.00083	0.00599	92.2040
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00077	0.00074	0.00058	0.00851	0.00000	0.00000	0.00308	0.00308	0.00000	0.00072	0.00072	—	2.77857	2.77857	0.00005	0.00002	0.00300	2.79024
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00014	0.00014	0.00011	0.00155	0.00000	0.00000	0.00056	0.00056	0.00000	0.00013	0.00013	—	0.46002	0.46002	0.00001	< 0.000005	0.00050	0.46196
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Grading (2028)

3.3.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74298	1.46459	12.8291	15.4048	0.02465	0.54196	—	0.54196	0.49861	—	0.49861	—	2,670.59	2,670.59	0.10833	0.02167	—	2,679.76
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17191	0.14445	1.26534	1.51937	0.00243	0.05345	—	0.05345	0.04918	—	0.04918	—	263.401	263.401	0.01068	0.00214	—	264.305
Dust From Material Movement	—	—	—	—	—	—	0.27244	0.27244	—	0.13174	0.13174	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.03137	0.02636	0.23092	0.27729	0.00044	0.00976	—	0.00976	0.00897	—	0.00897	—	43.6091	43.6091	0.00177	0.00035	—	43.7587
Dust From Material Movement	—	—	—	—	—	—	0.04972	0.04972	—	0.02404	0.02404	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02582	0.02527	0.02301	0.29462	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	91.9103	91.9103	0.00165	0.00083	0.00599	92.2040
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00252	0.00244	0.00190	0.02786	0.00000	0.00000	0.01007	0.01007	0.00000	0.00236	0.00236	—	9.09351	9.09351	0.00016	0.00008	0.00982	9.13171
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00046	0.00044	0.00035	0.00508	0.00000	0.00000	0.00184	0.00184	0.00000	0.00043	0.00043	—	1.50553	1.50553	0.00003	0.00001	0.00163	1.51186
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28690	0.28690	2.04249	17.7652	0.02730	0.05545	—	0.05545	0.05545	—	0.05545	—	2,957.28	2,957.28	0.11996	0.02399	—	2,967.43
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02830	0.02830	0.20145	1.75219	0.00269	0.00547	—	0.00547	0.00547	—	0.00547	—	291.677	291.677	0.01183	0.00237	—	292.678
Dust From Material Movement	—	—	—	—	—	—	0.27244	0.27244	—	0.13174	0.13174	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00516	0.00516	0.03676	0.31977	0.00049	0.00100	—	0.00100	0.00100	—	0.00100	—	48.2905	48.2905	0.00196	0.00039	—	48.4562

Dust From Material Movement	—	—	—	—	—	—	0.04972	0.04972	—	0.02404	0.02404	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02582	0.02527	0.02301	0.29462	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	91.9103	91.9103	0.00165	0.00083	0.00599	92.2040
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00252	0.00244	0.00190	0.02786	0.00000	0.00000	0.01007	0.01007	0.00000	0.00236	0.00236	—	9.09351	9.09351	0.00016	0.00008	0.00982	9.13171
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00046	0.00044	0.00035	0.00508	0.00000	0.00000	0.00184	0.00184	0.00000	0.00043	0.00043	—	1.50553	1.50553	0.00003	0.00001	0.00163	1.51186
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Grading (2029)

3.4.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69354	1.42304	12.0913	15.3248	0.02464	0.50698	—	0.50698	0.46642	—	0.46642	—	2,668.96	2,668.96	0.10826	0.02165	—	2,678.12
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35395	0.29742	2.52711	3.20291	0.00515	0.10596	—	0.10596	0.09748	—	0.09748	—	557.819	557.819	0.02263	0.00453	—	559.733
Dust From Material Movement	—	—	—	—	—	—	0.57731	0.57731	—	0.27915	0.27915	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06460	0.05428	0.46120	0.58453	0.00094	0.01934	—	0.01934	0.01779	—	0.01779	—	92.3532	92.3532	0.00375	0.00075	—	92.6702

Dust From Material Movement	—	—	—	—	—	—	0.10536	0.10536	—	0.05095	0.05095	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02472	0.02389	0.01951	0.27621	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	90.4396	90.4396	0.00165	0.00083	0.00521	90.7325
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00505	0.00494	0.00396	0.05604	0.00000	0.00000	0.02134	0.02134	0.00000	0.00500	0.00500	—	18.9619	18.9619	0.00035	0.00017	0.01821	19.0402
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00092	0.00090	0.00072	0.01023	0.00000	0.00000	0.00389	0.00389	0.00000	0.00091	0.00091	—	3.13935	3.13935	0.00006	0.00003	0.00302	3.15233
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28690	0.28690	2.04249	17.7652	0.02729	0.05545	—	0.05545	0.05545	—	0.05545	—	2,955.46	2,955.46	0.11989	0.02398	—	2,965.61
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05996	0.05996	0.42688	3.71297	0.00570	0.01159	—	0.01159	0.01159	—	0.01159	—	617.698	617.698	0.02506	0.00501	—	619.817
Dust From Material Movement	—	—	—	—	—	—	0.57731	0.57731	—	0.27915	0.27915	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01094	0.01094	0.07791	0.67762	0.00104	0.00212	—	0.00212	0.00212	—	0.00212	—	102.267	102.267	0.00415	0.00083	—	102.618
Dust From Material Movement	—	—	—	—	—	—	0.10536	0.10536	—	0.05095	0.05095	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02472	0.02389	0.01951	0.27621	0.00000	0.00000	0.10333	0.10333	0.00000	0.02422	0.02422	—	90.4396	90.4396	0.00165	0.00083	0.00521	90.7325
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00505	0.00494	0.00396	0.05604	0.00000	0.00000	0.02134	0.02134	0.00000	0.00500	0.00500	—	18.9619	18.9619	0.00035	0.00017	0.01821	19.0402
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00092	0.00090	0.00072	0.01023	0.00000	0.00000	0.00389	0.00389	0.00000	0.00091	0.00091	—	3.13935	3.13935	0.00006	0.00003	0.00302	3.15233
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Building Construction (2029)

3.5.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	—	0.27564	0.25359	—	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	—	0.27564	0.25359	—	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41982	0.35130	3.12366	4.69595	0.00852	0.10033	—	0.10033	0.09231	—	0.09231	—	872.428	872.428	0.03539	0.00708	—	875.422
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07662	0.06411	0.57007	0.85701	0.00155	0.01831	—	0.01831	0.01685	—	0.01685	—	144.440	144.440	0.00586	0.00117	—	144.936
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42487	0.41529	0.26393	5.22344	0.00000	0.00000	1.79605	1.79605	0.00000	0.42099	0.42099	—	1,663.14	1,663.14	0.02395	0.01437	3.50215	1,671.52
Vendor	0.15546	0.03594	1.56670	1.06928	0.00893	0.00893	0.34877	0.35770	0.00893	0.09389	0.10282	—	1,259.05	1,259.05	0.10846	0.17715	2.35016	1,316.90
Hauling	0.02837	0.00349	0.24385	0.18710	0.00114	0.00218	0.04579	0.04797	0.00218	0.01254	0.01472	—	174.497	174.497	0.02363	0.02788	0.28812	183.684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42966	0.41529	0.33913	4.80097	0.00000	0.00000	1.79605	1.79605	0.00000	0.42099	0.42099	—	1,571.97	1,571.97	0.02874	0.01437	0.09056	1,577.07
Vendor	0.15546	0.03594	1.64304	1.09161	0.00893	0.00893	0.34877	0.35770	0.00893	0.09389	0.10282	—	1,259.28	1,259.28	0.10846	0.17821	0.06093	1,315.16
Hauling	0.02712	0.00338	0.25577	0.18798	0.00114	0.00218	0.04579	0.04797	0.00218	0.01254	0.01472	—	174.504	174.504	0.02363	0.02788	0.00746	183.411
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15291	0.14942	0.11995	1.69643	0.00000	0.00000	0.64585	0.64585	0.00000	0.15126	0.15126	—	573.997	573.997	0.01046	0.00523	0.55132	576.369
Vendor	0.05659	0.01308	0.58884	0.39308	0.00325	0.00325	0.12569	0.12894	0.00325	0.03386	0.03711	—	458.321	458.321	0.03948	0.06448	0.36914	478.892
Hauling	0.00989	0.00125	0.09169	0.06824	0.00042	0.00079	0.01652	0.01731	0.00079	0.00453	0.00532	—	63.5168	63.5168	0.00860	0.01015	0.04524	66.8013
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02791	0.02727	0.02189	0.30960	0.00000	0.00000	0.11787	0.11787	0.00000	0.02761	0.02761	—	95.0318	95.0318	0.00173	0.00087	0.09128	95.4244
Vendor	0.01033	0.00239	0.10746	0.07174	0.00059	0.00059	0.02294	0.02353	0.00059	0.00618	0.00677	—	75.8802	75.8802	0.00654	0.01068	0.06112	79.2860
Hauling	0.00181	0.00023	0.01673	0.01245	0.00008	0.00014	0.00301	0.00316	0.00014	0.00083	0.00097	—	10.5159	10.5159	0.00142	0.00168	0.00749	11.0597

3.5.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.34840	0.32790	2.81203	14.8212	0.02340	0.07379	—	0.07379	0.07134	—	0.07134	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34840	0.32790	2.81203	14.8212	0.02340	0.07379	—	0.07379	0.07134	—	0.07134	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12681	0.11935	1.02356	5.39481	0.00852	0.02686	—	0.02686	0.02597	—	0.02597	—	872.428	872.428	0.03539	0.00708	—	875.422
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02314	0.02178	0.18680	0.98455	0.00155	0.00490	—	0.00490	0.00474	—	0.00474	—	144.440	144.440	0.00586	0.00117	—	144.936
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Worker	0.42487	0.41529	0.26393	5.22344	0.00000	0.00000	1.79605	1.79605	0.00000	0.42099	0.42099	—	1,663.14	1,663.14	0.02395	0.01437	3.50215	1,671.52
Vendor	0.15546	0.03594	1.56670	1.06928	0.00893	0.00893	0.34877	0.35770	0.00893	0.09389	0.10282	—	1,259.05	1,259.05	0.10846	0.17715	2.35016	1,316.90
Hauling	0.02837	0.00349	0.24385	0.18710	0.00114	0.00218	0.04579	0.04797	0.00218	0.01254	0.01472	—	174.497	174.497	0.02363	0.02788	0.28812	183.684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42966	0.41529	0.33913	4.80097	0.00000	0.00000	1.79605	1.79605	0.00000	0.42099	0.42099	—	1,571.97	1,571.97	0.02874	0.01437	0.09056	1,577.07
Vendor	0.15546	0.03594	1.64304	1.09161	0.00893	0.00893	0.34877	0.35770	0.00893	0.09389	0.10282	—	1,259.28	1,259.28	0.10846	0.17821	0.06093	1,315.16
Hauling	0.02712	0.00338	0.25577	0.18798	0.00114	0.00218	0.04579	0.04797	0.00218	0.01254	0.01472	—	174.504	174.504	0.02363	0.02788	0.00746	183.411
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15291	0.14942	0.11995	1.69643	0.00000	0.00000	0.64585	0.64585	0.00000	0.15126	0.15126	—	573.997	573.997	0.01046	0.00523	0.55132	576.369
Vendor	0.05659	0.01308	0.58884	0.39308	0.00325	0.00325	0.12569	0.12894	0.00325	0.03386	0.03711	—	458.321	458.321	0.03948	0.06448	0.36914	478.892
Hauling	0.00989	0.00125	0.09169	0.06824	0.00042	0.00079	0.01652	0.01731	0.00079	0.00453	0.00532	—	63.5168	63.5168	0.00860	0.01015	0.04524	66.8013
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02791	0.02727	0.02189	0.30960	0.00000	0.00000	0.11787	0.11787	0.00000	0.02761	0.02761	—	95.0318	95.0318	0.00173	0.00087	0.09128	95.4244
Vendor	0.01033	0.00239	0.10746	0.07174	0.00059	0.00059	0.02294	0.02353	0.00059	0.00618	0.00677	—	75.8802	75.8802	0.00654	0.01068	0.06112	79.2860
Hauling	0.00181	0.00023	0.01673	0.01245	0.00008	0.00014	0.00301	0.00316	0.00014	0.00083	0.00097	—	10.5159	10.5159	0.00142	0.00168	0.00749	11.0597

3.6. Building Construction (2030)

3.6.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.12372	0.94034	8.39196	12.8848	0.02340	0.26012	—	0.26012	0.23931	—	0.23931	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13986	0.11704	1.04448	1.60366	0.00291	0.03237	—	0.03237	0.02978	—	0.02978	—	298.314	298.314	0.01210	0.00242	—	299.338
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02552	0.02136	0.19062	0.29267	0.00053	0.00591	—	0.00591	0.00544	—	0.00544	—	49.3893	49.3893	0.00200	0.00040	—	49.5588
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41050	0.40092	0.33434	4.55141	0.00000	0.00000	1.79605	1.79605	0.00000	0.42099	0.42099	—	1,548.73	1,548.73	0.02874	0.01437	0.07886	1,553.81
Vendor	0.14546	0.03488	1.55202	1.05481	0.00893	0.00893	0.34877	0.35770	0.00893	0.09389	0.10282	—	1,217.35	1,217.35	0.10846	0.17715	0.05441	1,272.91
Hauling	0.02597	0.00338	0.24101	0.18160	0.00114	0.00218	0.04579	0.04797	0.00218	0.01254	0.01472	—	168.862	168.862	0.02140	0.02679	0.00679	177.388
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05050	0.04930	0.04042	0.55080	0.00000	0.00000	0.22084	0.22084	0.00000	0.05172	0.05172	—	193.365	193.365	0.00298	0.00179	0.16358	194.136
Vendor	0.01824	0.00447	0.18989	0.12983	0.00111	0.00111	0.04298	0.04409	0.00111	0.01158	0.01269	—	151.492	151.492	0.01350	0.02205	0.11271	158.512
Hauling	0.00324	0.00043	0.02951	0.02254	0.00014	0.00027	0.00565	0.00592	0.00027	0.00155	0.00182	—	21.0158	21.0158	0.00266	0.00333	0.01407	22.0901
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00922	0.00900	0.00738	0.10052	0.00000	0.00000	0.04030	0.04030	0.00000	0.00944	0.00944	—	32.0138	32.0138	0.00049	0.00030	0.02708	32.1415
Vendor	0.00333	0.00082	0.03465	0.02369	0.00020	0.00020	0.00784	0.00805	0.00020	0.00211	0.00232	—	25.0812	25.0812	0.00223	0.00365	0.01866	26.2435
Hauling	0.00059	0.00008	0.00539	0.00411	0.00003	0.00005	0.00103	0.00108	0.00005	0.00028	0.00033	—	3.47940	3.47940	0.00044	0.00055	0.00233	3.65727

3.6.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34818	0.32773	2.81033	14.8208	0.02340	0.07353	—	0.07353	0.07109	—	0.07109	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04334	0.04079	0.34978	1.84463	0.00291	0.00915	—	0.00915	0.00885	—	0.00885	—	298.314	298.314	0.01210	0.00242	—	299.338
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.00791	0.00744	0.06383	0.33664	0.00053	0.00167	—	0.00167	0.00161	—	0.00161	—	49.3893	49.3893	0.00200	0.00040	—	49.5588
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41050	0.40092	0.33434	4.55141	0.00000	0.00000	1.79605	1.79605	0.00000	0.42099	0.42099	—	1,548.73	1,548.73	0.02874	0.01437	0.07886	1,553.81
Vendor	0.14546	0.03488	1.55202	1.05481	0.00893	0.00893	0.34877	0.35770	0.00893	0.09389	0.10282	—	1,217.35	1,217.35	0.10846	0.17715	0.05441	1,272.91
Hauling	0.02597	0.00338	0.24101	0.18160	0.00114	0.00218	0.04579	0.04797	0.00218	0.01254	0.01472	—	168.862	168.862	0.02140	0.02679	0.00679	177.388
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05050	0.04930	0.04042	0.55080	0.00000	0.00000	0.22084	0.22084	0.00000	0.05172	0.05172	—	193.365	193.365	0.00298	0.00179	0.16358	194.136
Vendor	0.01824	0.00447	0.18989	0.12983	0.00111	0.00111	0.04298	0.04409	0.00111	0.01158	0.01269	—	151.492	151.492	0.01350	0.02205	0.11271	158.512
Hauling	0.00324	0.00043	0.02951	0.02254	0.00014	0.00027	0.00565	0.00592	0.00027	0.00155	0.00182	—	21.0158	21.0158	0.00266	0.00333	0.01407	22.0901
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00922	0.00900	0.00738	0.10052	0.00000	0.00000	0.04030	0.04030	0.00000	0.00944	0.00944	—	32.0138	32.0138	0.00049	0.00030	0.02708	32.1415
Vendor	0.00333	0.00082	0.03465	0.02369	0.00020	0.00020	0.00784	0.00805	0.00020	0.00211	0.00232	—	25.0812	25.0812	0.00223	0.00365	0.01866	26.2435
Hauling	0.00059	0.00008	0.00539	0.00411	0.00003	0.00005	0.00103	0.00108	0.00005	0.00028	0.00033	—	3.47940	3.47940	0.00044	0.00055	0.00233	3.65727

3.7. Paving (2029)

3.7.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51031	0.42880	4.27183	6.87170	0.00973	0.14978	—	0.14978	0.13779	—	0.13779	—	1,053.46	1,053.46	0.04273	0.00855	—	1,057.07
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03216	0.02702	0.26918	0.43301	0.00061	0.00944	—	0.00944	0.00868	—	0.00868	—	66.3824	66.3824	0.00269	0.00054	—	66.6102
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00587	0.00493	0.04913	0.07902	0.00011	0.00172	—	0.00172	0.00158	—	0.00158	—	10.9904	10.9904	0.00045	0.00009	—	11.0281
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01956	0.01911	0.01215	0.24041	0.00000	0.00000	0.08266	0.08266	0.00000	0.01938	0.01938	—	76.5476	76.5476	0.00110	0.00066	0.16119	76.9335
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00459	0.00056	0.03949	0.03030	0.00019	0.00035	0.00742	0.00777	0.00035	0.00203	0.00238	—	28.2586	28.2586	0.00383	0.00452	0.04666	29.7464
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00122	0.00119	0.00096	0.01352	0.00000	0.00000	0.00515	0.00515	0.00000	0.00121	0.00121	—	4.57358	4.57358	0.00008	0.00004	0.00439	4.59247
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00028	0.00004	0.00257	0.00191	0.00001	0.00002	0.00046	0.00049	0.00002	0.00013	0.00015	—	1.78071	1.78071	0.00024	0.00028	0.00127	1.87280
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00022	0.00022	0.00017	0.00247	0.00000	0.00000	0.00094	0.00094	0.00000	0.00022	0.00022	—	0.75721	0.75721	0.00001	0.00001	0.00073	0.76034
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00005	0.00001	0.00047	0.00035	< 0.000005	< 0.000005	0.00008	0.00009	< 0.000005	0.00002	0.00003	—	0.29482	0.29482	0.00004	0.00005	0.00021	0.31006

3.7.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15994	0.15994	1.93286	10.6002	0.01395	0.02813	—	0.02813	0.02813	—	0.02813	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01008	0.01008	0.12180	0.66796	0.00088	0.00177	—	0.00177	0.00177	—	0.00177	—	95.1901	95.1901	0.00386	0.00077	—	95.5167
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00184	0.00184	0.02223	0.12190	0.00016	0.00032	—	0.00032	0.00032	—	0.00032	—	15.7598	15.7598	0.00064	0.00013	—	15.8139
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01956	0.01911	0.01215	0.24041	0.00000	0.00000	0.08266	0.08266	0.00000	0.01938	0.01938	—	76.5476	76.5476	0.00110	0.00066	0.16119	76.9335
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00459	0.00056	0.03949	0.03030	0.00019	0.00035	0.00742	0.00777	0.00035	0.00203	0.00238	—	28.2586	28.2586	0.00383	0.00452	0.04666	29.7464

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00122	0.00119	0.00096	0.01352	0.00000	0.00000	0.00515	0.00515	0.00000	0.00121	0.00121	—	4.57358	4.57358	0.00008	0.00004	0.00439	4.59247
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00028	0.00004	0.00257	0.00191	0.00001	0.00002	0.00046	0.00049	0.00002	0.00013	0.00015	—	1.78071	1.78071	0.00024	0.00028	0.00127	1.87280
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00022	0.00022	0.00017	0.00247	0.00000	0.00000	0.00094	0.00094	0.00000	0.00022	0.00022	—	0.75721	0.75721	0.00001	0.00001	0.00073	0.76034
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00005	0.00001	0.00047	0.00035	< 0.000005	< 0.000005	0.00008	0.00009	< 0.000005	0.00002	0.00003	—	0.29482	0.29482	0.00004	0.00005	0.00021	0.31006

3.8. Architectural Coating (2029)

3.8.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03868	0.03197	0.24804	0.34736	0.00054	0.00401	—	0.00401	0.00369	—	0.00369	—	41.6989	41.6989	0.00169	0.00034	—	41.8420
Architectural Coatings	6.48543	6.48543	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00706	0.00583	0.04527	0.06339	0.00010	0.00073	—	0.00073	0.00067	—	0.00067	—	6.90373	6.90373	0.00028	0.00006	—	6.92742
Architectural Coatings	1.18359	1.18359	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08497	0.08306	0.05279	1.04469	0.00000	0.00000	0.35921	0.35921	0.00000	0.08420	0.08420	—	332.628	332.628	0.00479	0.00287	0.70043	334.304
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08593	0.08306	0.06783	0.96019	0.00000	0.00000	0.35921	0.35921	0.00000	0.08420	0.08420	—	314.395	314.395	0.00575	0.00287	0.01811	315.413
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02624	0.02564	0.02059	0.29113	0.00000	0.00000	0.11084	0.11084	0.00000	0.02596	0.02596	—	98.5053	98.5053	0.00180	0.00090	0.09461	98.9123
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00479	0.00468	0.00376	0.05313	0.00000	0.00000	0.02023	0.02023	0.00000	0.00474	0.00474	—	16.3087	16.3087	0.00030	0.00015	0.01566	16.3761
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00660	0.00660	0.20178	0.30083	0.00054	0.00073	—	0.00073	0.00073	—	0.00073	—	41.6989	41.6989	0.00169	0.00034	—	41.8420
Architectural Coatings	6.48543	6.48543	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00121	0.00121	0.03682	0.05490	0.00010	0.00013	—	0.00013	0.00013	—	0.00013	—	6.90373	6.90373	0.00028	0.00006	—	6.92742
Architectural Coatings	1.18359	1.18359	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08497	0.08306	0.05279	1.04469	0.00000	0.00000	0.35921	0.35921	0.00000	0.08420	0.08420	—	332.628	332.628	0.00479	0.00287	0.70043	334.304
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08593	0.08306	0.06783	0.96019	0.00000	0.00000	0.35921	0.35921	0.00000	0.08420	0.08420	—	314.395	314.395	0.00575	0.00287	0.01811	315.413
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02624	0.02564	0.02059	0.29113	0.00000	0.00000	0.11084	0.11084	0.00000	0.02596	0.02596	—	98.5053	98.5053	0.00180	0.00090	0.09461	98.9123
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00479	0.00468	0.00376	0.05313	0.00000	0.00000	0.02023	0.02023	0.00000	0.00474	0.00474	—	16.3087	16.3087	0.00030	0.00015	0.01566	16.3761
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Architectural Coating (2030)

3.9.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11905	0.09839	0.78473	1.10719	0.00173	0.01097	—	0.01097	0.01009	—	0.01009	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01482	0.01225	0.09767	0.13780	0.00021	0.00137	—	0.00137	0.00126	—	0.00126	—	16.6173	16.6173	0.00067	0.00013	—	16.6743
Architectural Coatings	2.58442	2.58442	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00270	0.00223	0.01782	0.02515	0.00004	0.00025	—	0.00025	0.00023	—	0.00023	—	2.75118	2.75118	0.00011	0.00002	—	2.76062
Architectural Coatings	0.47166	0.47166	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08210	0.08018	0.06687	0.91028	0.00000	0.00000	0.35921	0.35921	0.00000	0.08420	0.08420	—	309.746	309.746	0.00575	0.00287	0.01577	310.762
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01010	0.00986	0.00808	0.11016	0.00000	0.00000	0.04417	0.04417	0.00000	0.01034	0.01034	—	38.6731	38.6731	0.00060	0.00036	0.03272	38.8273
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00184	0.00180	0.00148	0.02010	0.00000	0.00000	0.00806	0.00806	0.00000	0.00189	0.00189	—	6.40277	6.40277	0.00010	0.00006	0.00542	6.42830

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00263	0.00263	0.08041	0.11988	0.00021	0.00029	—	0.00029	0.00029	—	0.00029	—	16.6173	16.6173	0.00067	0.00013	—	16.6743
Architectural Coatings	2.58442	2.58442	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.00048	0.00048	0.01467	0.02188	0.00004	0.00005	—	0.00005	0.00005	—	0.00005	—	2.75118	2.75118	0.00011	0.00002	—	2.76062
Architectural Coatings	0.47166	0.47166	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08210	0.08018	0.06687	0.91028	0.00000	0.00000	0.35921	0.35921	0.00000	0.08420	0.08420	—	309.746	309.746	0.00575	0.00287	0.01577	310.762
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01010	0.00986	0.00808	0.11016	0.00000	0.00000	0.04417	0.04417	0.00000	0.01034	0.01034	—	38.6731	38.6731	0.00060	0.00036	0.03272	38.8273
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00184	0.00180	0.00148	0.02010	0.00000	0.00000	0.00806	0.00806	0.00000	0.00189	0.00189	—	6.40277	6.40277	0.00010	0.00006	0.00542	6.42830
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. Trenching (2029)

3.10.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31641	0.26587	2.53426	3.95800	0.00530	0.05977	—	0.05977	0.05498	—	0.05498	—	573.890	573.890	0.02328	0.00466	—	575.859
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08755	0.07357	0.70126	1.09523	0.00147	0.01654	—	0.01654	0.01521	—	0.01521	—	158.802	158.802	0.00644	0.00129	—	159.347
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01598	0.01343	0.12798	0.19988	0.00027	0.00302	—	0.00302	0.00278	—	0.00278	—	26.2916	26.2916	0.00107	0.00021	—	26.3818
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01467	0.01434	0.00911	0.18031	0.00000	0.00000	0.06200	0.06200	0.00000	0.01453	0.01453	—	57.4107	57.4107	0.00083	0.00050	0.12089	57.7001
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00401	0.00392	0.00315	0.04452	0.00000	0.00000	0.01695	0.01695	0.00000	0.00397	0.00397	—	15.0630	15.0630	0.00027	0.00014	0.01447	15.1252
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00073	0.00072	0.00057	0.00812	0.00000	0.00000	0.00309	0.00309	0.00000	0.00072	0.00072	—	2.49385	2.49385	0.00005	0.00002	0.00240	2.50415
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15169	0.13530	1.60518	4.03673	0.00530	0.02585	—	0.02585	0.02442	—	0.02442	—	573.890	573.890	0.02328	0.00466	—	575.859

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04197	0.03744	0.44417	1.11701	0.00147	0.00715	—	0.00715	0.00676	—	0.00676	—	158.802	158.802	0.00644	0.00129	—	159.347
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00766	0.00683	0.08106	0.20385	0.00027	0.00131	—	0.00131	0.00123	—	0.00123	—	26.2916	26.2916	0.00107	0.00021	—	26.3818
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01467	0.01434	0.00911	0.18031	0.00000	0.00000	0.06200	0.06200	0.00000	0.01453	0.01453	—	57.4107	57.4107	0.00083	0.00050	0.12089	57.7001
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00401	0.00392	0.00315	0.04452	0.00000	0.00000	0.01695	0.01695	0.00000	0.00397	0.00397	—	15.0630	15.0630	0.00027	0.00014	0.01447	15.1252
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00073	0.00072	0.00057	0.00812	0.00000	0.00000	0.00309	0.00309	0.00000	0.00072	0.00072	—	2.49385	2.49385	0.00005	0.00002	0.00240	2.50415
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.47555	1.36519	0.81630	11.2227	0.03276	0.01516	3.28553	3.30069	0.01411	0.83243	0.84655	—	3,330.94	3,330.94	0.11631	0.10864	6.11283	3,372.33
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.47555	1.36519	0.81630	11.2227	0.03276	0.01516	3.28553	3.30069	0.01411	0.83243	0.84655	—	3,330.94	3,330.94	0.11631	0.10864	6.11283	3,372.33
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	1.46118	1.34594	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	—	3,187.01	3,187.01	0.12978	0.11985	0.15850	3,226.13
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.46118	1.34594	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	—	3,187.01	3,187.01	0.12978	0.11985	0.15850	3,226.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.24920	0.22961	0.15769	1.84967	0.00545	0.00263	0.56277	0.56540	0.00245	0.14261	0.14506	—	502.487	502.487	0.01953	0.01820	0.41518	508.813
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.24920	0.22961	0.15769	1.84967	0.00545	0.00263	0.56277	0.56540	0.00245	0.14261	0.14506	—	502.487	502.487	0.01953	0.01820	0.41518	508.813

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.47555	1.36519	0.81630	11.2227	0.03276	0.01516	3.28553	3.30069	0.01411	0.83243	0.84655	—	3,330.94	3,330.94	0.11631	0.10864	6.11283	3,372.33
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.47555	1.36519	0.81630	11.2227	0.03276	0.01516	3.28553	3.30069	0.01411	0.83243	0.84655	—	3,330.94	3,330.94	0.11631	0.10864	6.11283	3,372.33

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.46118	1.34594	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	—	3,187.01	3,187.01	0.12978	0.11985	0.15850	3,226.13
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	1.46118	1.34594	0.96506	11.0921	0.03134	0.01517	3.28553	3.30070	0.01412	0.83243	0.84655	—	3,187.01	3,187.01	0.12978	0.11985	0.15850	3,226.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.24920	0.22961	0.15769	1.84967	0.00545	0.00263	0.56277	0.56540	0.00245	0.14261	0.14506	—	502.487	502.487	0.01953	0.01820	0.41518	508.813
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.24920	0.22961	0.15769	1.84967	0.00545	0.00263	0.56277	0.56540	0.00245	0.14261	0.14506	—	502.487	502.487	0.01953	0.01820	0.41518	508.813

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.11213	0.01359	—	6.85380

Unenclo Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.04008	0.00486	—	2.44962
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.11213	0.01359	—	6.85380
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.04008	0.00486	—	2.44962
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.01857	0.00225	—	1.13472
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00664	0.00080	—	0.40556
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02520	0.00305	—	1.54029

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.11213	0.01359	—	6.85380
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.04008	0.00486	—	2.44962
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.11213	0.01359	—	6.85380
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.04008	0.00486	—	2.44962
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.15221	0.01845	—	9.30342
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.01857	0.00225	—	1.13472
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00664	0.00080	—	0.40556
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02520	0.00305	—	1.54029

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	5.04858	5.04858	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.91024	0.91024	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.30691	2.15500	0.16887	18.7962	0.00092	0.01759	—	0.01759	0.01328	—	0.01328	—	59.9880	59.9880	0.00251	0.00051	—	60.2015
Total	8.26573	8.11382	0.16887	18.7962	0.00092	0.01759	—	0.01759	0.01328	—	0.01328	0.00000	59.9880	59.9880	0.00251	0.00051	—	60.2015
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	5.04858	5.04858	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.91024	0.91024	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.95882	5.95882	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	0.92137	0.92137	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.16612	0.16612	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.20762	0.19395	0.01520	1.69166	0.00008	0.00158	—	0.00158	0.00120	—	0.00120	—	4.89782	4.89782	0.00021	0.00004	—	4.91525
Total	1.29511	1.28143	0.01520	1.69166	0.00008	0.00158	—	0.00158	0.00120	—	0.00120	0.00000	4.89782	4.89782	0.00021	0.00004	—	4.91525

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	5.04858	5.04858	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.91024	0.91024	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.30691	2.15500	0.16887	18.7962	0.00092	0.01759	—	0.01759	0.01328	—	0.01328	—	59.9880	59.9880	0.00251	0.00051	—	60.2015
Total	8.26573	8.11382	0.16887	18.7962	0.00092	0.01759	—	0.01759	0.01328	—	0.01328	0.00000	59.9880	59.9880	0.00251	0.00051	—	60

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	5.04858	5.04858	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.91024	0.91024	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.95882	5.95882	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	0.92137	0.92137	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.16612	0.16612	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.20762	0.19395	0.01520	1.69166	0.00008	0.00158	—	0.00158	0.00120	—	0.00120	—	4.89782	4.89782	0.00021	0.00004	—	4.91525
Total	1.29511	1.28143	0.01520	1.69166	0.00008	0.00158	—	0.00158	0.00120	—	0.00120	0.00000	4.89782	4.89782	0.00021	0.00004	—	4.91525

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.65605	0.00000	2.65605	0.00985	0.00589	—	4.65780
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.65605	0.00000	2.65605	0.00985	0.00589	—	4.65780

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	16.0427	0.00000	16.0427	0.05952	0.03558	—	28.1334
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.65605	0.00000	2.65605	0.00985	0.00589	—	4.65780
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.65605	0.00000	2.65605	0.00985	0.00589	—	4.65780

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	13.8606	0.00000	13.8606	1.38532	0.00000	—	48.4935

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	13.8606	0.00000	13.8606	1.38532	0.00000	—	48.4935

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	83.7187	0.00000	83.7187	8.36738	0.00000	—	292.903
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	13.8606	0.00000	13.8606	1.38532	0.00000	—	48.4935
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	13.8606	0.00000	13.8606	1.38532	0.00000	—	48.4935

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27974	0.27974
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27974	0.27974

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68962	1.68962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27974	0.27974
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27974	0.27974

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/2/2028	11/3/2028	6.00000	29.0000	—
Site Preparation	Site Preparation	11/6/2028	11/17/2028	6.00000	11.0000	—
Grading	Grading	11/20/2028	3/30/2029	6.00000	113.000	—
Building Construction	Building Construction	7/30/2029	2/22/2030	6.00000	179.000	—
Paving	Paving	7/2/2029	7/27/2029	6.00000	23.0000	—
Architectural Coating	Architectural Coating	8/21/2029	2/22/2030	6.00000	160.000	—
Trenching	Trenching	4/2/2029	7/27/2029	6.00000	101.000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000

Site Preparation	Tractors/Loaders/Back	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Site Preparation	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Trenching	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Tier 4 Final	3.00000	8.00000	36.0000	0.38000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00000	8.00000	84.0000	0.37000
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00000	8.00000	367.000	0.40000

Grading	Graders	Diesel	Tier 4 Final	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Tier 4 Final	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 4 Final	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 4 Final	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.000000	6.00000	37.0000	0.48000
Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.000000	8.00000	84.0000	0.37000
Trenching	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Trenching	Excavators	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40000	HHDT,MHDT
Demolition	Hauling	5.00000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	12.5000	11.7000	LDA,LDT1,LDT2

Site Preparation	Vendor	—	8.40000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Grading	Vendor	—	8.40000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	217.269	11.7000	LDA,LDT1,LDT2
Building Construction	Vendor	48.2315	8.40000	HHDT,MHDT
Building Construction	Hauling	2.47000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	10.00000	11.7000	LDA,LDT1,LDT2
Paving	Vendor	—	8.40000	HHDT,MHDT
Paving	Hauling	0.40000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	43.4537	11.7000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	7.50000	11.7000	LDA,LDT1,LDT2
Trenching	Vendor	—	8.40000	HHDT,MHDT
Trenching	Hauling	0.00000	20.0000	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	11.7000	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40000	HHDT,MHDT

Demolition	Hauling	5.00000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	12.5000	11.7000	LDA,LDT1,LDT2
Grading	Vendor	—	8.40000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	217.269	11.7000	LDA,LDT1,LDT2
Building Construction	Vendor	48.2315	8.40000	HHDT,MHDT
Building Construction	Hauling	2.47000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	10.00000	11.7000	LDA,LDT1,LDT2
Paving	Vendor	—	8.40000	HHDT,MHDT
Paving	Hauling	0.40000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	43.4537	11.7000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	7.50000	11.7000	LDA,LDT1,LDT2
Trenching	Vendor	—	8.40000	HHDT,MHDT
Trenching	Hauling	0.00000	20.0000	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	477,728	159,243	0.00000	0.00000	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	0.00000	0.00000
Site Preparation	—	—	11.0000	0.00000	0.00000
Grading	—	0.00000	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.00000

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Apartments Mid Rise	—	0%

Paving	Unenclosed Parking with Elevator	0.00000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00000	99.9830	0.03300	0.00400
2029	0.00000	99.9830	0.03300	0.00400
2030	0.00000	99.9830	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	606.900	546.000	455.700	210,459	4,667.22	4,198.89	3,504.46	1,618,486
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	606.900	546.000	455.700	210,459	4,667.22	4,198.89	3,504.46	1,618,486
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Apartments Mid Rise	Wood Fireplaces	0	0
Apartments Mid Rise	Gas Fireplaces	0	0
Apartments Mid Rise	Propane Fireplaces	0	0
Apartments Mid Rise	Electric Fireplaces	0	0
Apartments Mid Rise	No Fireplaces	0	0
Apartments Mid Rise	Conventional Wood Stoves	0	0
Apartments Mid Rise	Catalytic Wood Stoves	0	0
Apartments Mid Rise	Non-Catalytic Wood Stoves	0	0
Apartments Mid Rise	Pellet Wood Stoves	0	0
Unenclosed Parking with Elevator	Wood Fireplaces	0	0
Unenclosed Parking with Elevator	Gas Fireplaces	0	0
Unenclosed Parking with Elevator	Propane Fireplaces	0	0
Unenclosed Parking with Elevator	Electric Fireplaces	0	0
Unenclosed Parking with Elevator	No Fireplaces	0	0
Unenclosed Parking with Elevator	Conventional Wood Stoves	0	0
Unenclosed Parking with Elevator	Catalytic Wood Stoves	0	0
Unenclosed Parking with Elevator	Non-Catalytic Wood Stoves	0	0
Unenclosed Parking with Elevator	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
477,728	159,243	0.00000	0.00000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000

Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,240,276	0.00000	0.0330	0.0040	0.00000
Unenclosed Parking with Elevator	443,288	0.00000	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,240,276	0.00000	0.0330	0.0040	0.00000
Unenclosed Parking with Elevator	443,288	0.00000	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	7,507,145	0.00000

Unenclosed Parking with Elevator	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	7,507,145	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	155.340	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	155.340	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.000000	0.00000	50.0000	1,207.00	0.73000

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.8000	annual days of extreme heat
Extreme Precipitation	4.05000	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	10.6600	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatu observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderat received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-20 consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise couple extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter,
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the g four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Ra different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a s representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate ri measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a s representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduc measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	10.5663
AQ-PM	16.4655
AQ-DPM	80.7841
Drinking Water	61.3838
Lead Risk Housing	99.0170
Pesticides	0.00000
Toxic Releases	25.0563
Traffic	83.8000
Effect Indicators	—

CleanUp Sites	53.9567
Groundwater	55.7197
Haz Waste Facilities/Generators	93.9775
Impaired Water Bodies	90.1302
Solid Waste	0.00000
Sensitive Population	—
Asthma	71.2861
Cardio-vascular	36.8644
Low Birth Weights	79.2789
Socioeconomic Factor Indicators	—
Education	78.3346
Housing	88.2510
Linguistic	55.1495
Poverty	54.0327
Unemployment	49.8568

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	24.18837418
Employed	57.44899269
Median HI	39.71512896
Education	—
Bachelor's or higher	20.18478121
High school enrollment	6.582830746
Preschool enrollment	71.75670474
Transportation	—

Auto Access	71.35891184
Active commuting	63.58270243
Social	—
2-parent households	35.19825484
Voting	43.11561658
Neighborhood	—
Alcohol availability	30.45040421
Park access	37.53368408
Retail density	67.7659438
Supermarket access	94.25125112
Tree canopy	74.33594251
Housing	—
Homeownership	30.16809958
Housing habitability	8.879763891
Low-inc homeowner severe housing cost burden	21.69896061
Low-inc renter severe housing cost burden	12.89618889
Uncrowded housing	2.810214295
Health Outcomes	—
Insured adults	21.95560118
Arthritis	0.0
Asthma ER Admissions	23.4
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	17.1

Cognitively Disabled	74.6
Physically Disabled	59.0
Heart Attack ER Admissions	56.1
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	59.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	56.5
Children	18.1
Elderly	84.9
English Speaking	22.2
Foreign-born	82.0
Outdoor Workers	30.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	43.1
Traffic Density	84.0
Traffic Access	69.0
Other Indices	—
Hardship	82.9
Other Decision Support	—

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2016 Voting	25.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	77.0000
Healthy Places Index Score for Project Location (b)	34.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	East Palo Alto default clean energy provider is Peninsula Clean Energy. 2024 CO2 intensity used based on power content label.
Land Use	Phase 2 lot acreage 2.25 acres - from google earth overlay. Number of dwelling units, num of parking spaces, and square footages from provided plans. Amenity space included in residential square footage.
Construction: Construction Phases	Phase dates provided by applicant.

Construction: Off-Road Equipment	Defaults modified by the applicant.
Construction: Dust From Material Movement	No soil import/export.
Construction: Trips and VMT	Demolition = Est. 45,000-sf pavement demo'ed and hauled (5 trips/day), Building Const = E 284 concrete truck round trips (2.47 trips/day), Paving = Est. 4 asphalt truck round trips (0 trips/day).
Construction: On-Road Fugitive Dust	BMPs 15 mph.
Operations: Vehicle Data	Trip gen provided by traffic consultant.
Operations: Hearths	No hearths.
Operations: Energy Use	Project design is all-electric. Confirmed no natural gas by project applicant. Convert natural to electricity.
Operations: Water and Waste Water	Wastewater treatment 100% aerobic - no septic tanks or lagoons.

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value
Electric Utility	Pacific Gas & Electric Company	Peninsula Clean Energy

8.2.2. Utility Information

Model Parameter	Units	Default Value	New Value
CO2	lb/MWh	99.9830	0.00000

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.52632	2.25000
Building Area	sq. ft	201,600	235,915
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	2.88900	0.00000

Building Area	sq. ft	128,400	157,306
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	10/30/2028	11/3/2028
Demolition	Demolition	Days/Week	5.00000	6.00000
Demolition	Demolition	Work Days per Phase	20.0000	29.0000
Site Preparation	Site Preparation	Start Date	10/31/2028	11/6/2028
Site Preparation	Site Preparation	End Date	11/4/2028	11/17/2028
Site Preparation	Site Preparation	Days/Week	5.00000	6.00000
Site Preparation	Site Preparation	Work Days per Phase	3.00000	11.0000
Grading	Grading	Start Date	11/5/2028	11/20/2028
Grading	Grading	End Date	11/13/2028	3/30/2029
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	6.00000	113.000
Building Construction	Building Construction	Start Date	11/14/2028	7/30/2029
Building Construction	Building Construction	End Date	9/18/2029	2/22/2030
Building Construction	Building Construction	Days/Week	5.00000	6.00000
Building Construction	Building Construction	Work Days per Phase	220.000	179.000
Paving	Paving	Start Date	9/19/2029	7/2/2029
Paving	Paving	End Date	10/3/2029	7/27/2029
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	10.00000	23.0000
Architectural Coating	Architectural Coating	Start Date	10/4/2029	8/21/2029
Architectural Coating	Architectural Coating	End Date	10/18/2029	2/22/2030

Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	160.000
Trenching	Trenching	Start Date	5/4/2027	4/2/2029
Trenching	Trenching	End Date	5/26/2027	7/27/2029
Trenching	Trenching	Work Days per Phase	20.0000	101.000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Demolition	Rubber Tired Dozers	Number per Day	1.000000	2.00000
Site Preparation	Tractors/Loaders/Backhoes	Number per Day	1.000000	3.00000
Site Preparation	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000
Site Preparation	Rubber Tired Dozers	Number per Day	3.00000	2.00000
Grading	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000
Building Construction	Cranes	Hours Per Day	8.00000	7.00000
Building Construction	Forklifts	Number per Day	2.00000	3.00000
Building Construction	Forklifts	Hours Per Day	7.00000	8.00000
Building Construction	Tractors/Loaders/Backhoes	Number per Day	1.000000	3.00000
Building Construction	Tractors/Loaders/Backhoes	Hours Per Day	6.00000	7.00000
Building Construction	Welders	Number per Day	3.00000	1.000000
Paving	Paving Equipment	Number per Day	1.000000	2.00000
Paving	Rollers	Number per Day	2.00000	1.000000
Trenching	Excavators	Number per Day	1.000000	2.00000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Exported	Cubic Yards	—	0.00000
Grading	Total Acres Graded	acres	113.000	20.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Hauling	One-Way Trips per Day	0.00000	5.00000
Building Construction	Hauling	One-Way Trips per Day	0.00000	2.47000
Paving	Hauling	One-Way Trips per Day	0.00000	0.40000

8.4.7. On-Road Fugitive Dust

Phase Name	Model Parameter	Units	Default Value	New Value
Demolition	Mean Vehicle Speed	mph	40.0000	15.0000
Site Preparation	Mean Vehicle Speed	mph	40.0000	15.0000
Grading	Mean Vehicle Speed	mph	40.0000	15.0000
Building Construction	Mean Vehicle Speed	mph	40.0000	15.0000
Paving	Mean Vehicle Speed	mph	40.0000	15.0000
Architectural Coating	Mean Vehicle Speed	mph	40.0000	15.0000
Trenching	Mean Vehicle Speed	mph	40.0000	15.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Weekday Trip Rate	size/day	5.44000	2.89000
Apartments Mid Rise	Saturday Trip Rate	size/day	4.91000	2.60000
Apartments Mid Rise	Sunday Trip Rate	size/day	4.09000	2.17000

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Default Value	New Value
Apartments Mid Rise	Gas Fireplaces	107	0
Apartments Mid Rise	No Fireplaces	103	0
Apartments Mid Rise	Hours/Day	4	0
Apartments Mid Rise	Days/Year	9	0

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Electricity	kWh/yr	716,405	1,240,276
Apartments Mid Rise	Electricity (Subject to Title 24)	kWh/yr	175,969	669,811
Apartments Mid Rise	Electricity (Not Subject to Title 24)	kWh/yr	540,436	570,464
Apartments Mid Rise	Natural Gas	kBTU/yr	1,848,855	0.00000
Apartments Mid Rise	Natural Gas (Not Subject to Title 24)	kBTU/yr	130,671	0.00000

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Indoor Water	gal/year	7,615,944	7,507,145
Apartments Mid Rise	Treated by Septic Tank	%	10.3300	0.00000
Apartments Mid Rise	Treated by Aerobic Processes	%	87.4600	100.0000
Apartments Mid Rise	Treated by Facultative Lagoons	%	2.21000	0.00000
Unenclosed Parking with Elevator	Treated by Septic Tank	%	10.3300	0.00000
Unenclosed Parking with Elevator	Treated by Aerobic Processes	%	87.4600	100.0000
Unenclosed Parking with Elevator	Treated by Facultative Lagoons	%	2.21000	0.00000

24-140 2120-2160 Euclid Ave, East Palo Alto Phase 1 BMPs T4F C 2029 HRA Custom Report

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3.2. Site Preparation (2027)

3.2.1. Onsite - Unmitigated

3.2.2. Offsite - Unmitigated

3.2.3. Onsite - Mitigated

3.2.4. Offsite - Mitigated

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

3.3.2. Offsite - Unmitigated

3.3.3. Onsite - Mitigated

3.3.4. Offsite - Mitigated

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3.4.1. Onsite - Unmitigated

3.4.2. Offsite - Unmitigated

3.4.3. Onsite - Mitigated

3.4.4. Offsite - Mitigated

3.5. Paving (2028)

3.5.1. Onsite - Unmitigated

3.5.2. Offsite - Unmitigated

3.5.3. Onsite - Mitigated

3.5.4. Offsite - Mitigated

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3.6.1. Onsite - Unmitigated

3.6.2. Offsite - Unmitigated

3.6.3. Onsite - Mitigated

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3.7. Trenching (2027)

3.7.1. Onsite - Unmitigated

3.7.2. Offsite - Unmitigated

3.7.3. Onsite - Mitigated

3.7.4. Offsite - Mitigated

3.8. Trenching (2028)

3.8.1. Onsite - Unmitigated

3.8.2. Offsite - Unmitigated

3.8.3. Onsite - Mitigated

3.8.4. Offsite - Mitigated

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	24-140 2120-2160 Euclid Ave, East Palo Alto Phase 1 BMPs T4F Const 2029 HRA
Construction Start Date	6/1/2027
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	18.8000
Location	2120 Euclid Ave, East Palo Alto, CA 94303, USA
County	San Mateo
City	East Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1281
EDFZ	1
Electric Utility	Peninsula Clean Energy
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.44

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	220.000	Dwelling Unit	1.84000	234,170	0.00000	—	634.000	—

Regional Shopping Center	2.07400	1000sqft	0.00000	2,074.00	0.00000	—	—	—
Unenclosed Parking with Elevator	111.000	Space	0.00000	56,766.0	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.80622	3.20232	28.4436	28.2086	0.04879	1.24805	7.88363	9.13168	1.14821	3.96477	5.11298	—	5,298.06	5,298.06	0.21607	0.05590	0.24968	5,316.57
2028	22.1931	21.9394	10.3048	15.8616	0.02596	0.31643	0.18775	0.50418	0.29118	0.04509	0.33627	—	2,858.40	2,858.40	0.15198	0.05772	0.58097	2,879.98
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.94091	1.62168	14.4853	17.5796	0.02788	0.59822	2.78832	3.38654	0.55040	1.34189	1.89229	—	3,037.47	3,037.47	0.13826	0.03568	0.00291	3,051.56
2028	22.1914	21.9393	12.8440	19.9048	0.03123	0.42886	0.18775	0.59613	0.39462	0.04509	0.43492	—	3,452.49	3,452.49	0.17944	0.06115	0.01508	3,475.21
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.79813	0.66574	5.98097	6.81805	0.01108	0.24167	0.97857	1.22024	0.22236	0.42589	0.64825	—	1,200.25	1,200.25	0.05550	0.01487	0.02189	1,206.09

2028	9.61083	9.47320	5.64017	8.79785	0.01405	0.17436	0.09279	0.26715	0.16044	0.02228	0.18273	—	1,544.57	1,544.57	0.08339	0.02997	0.12585	1,555.71
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.14566	0.12150	1.09153	1.24429	0.00202	0.04410	0.17859	0.22269	0.04058	0.07773	0.11831	—	198.715	198.715	0.00919	0.00246	0.00362	199.682
2028	1.75398	1.72886	1.02933	1.60561	0.00256	0.03182	0.01693	0.04875	0.02928	0.00407	0.03335	—	255.721	255.721	0.01381	0.00496	0.02084	257.566

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.52612	0.52546	4.47453	28.3187	0.04876	0.09934	7.88363	7.98297	0.09934	3.96477	4.06411	—	5,294.55	5,294.55	0.21592	0.05590	0.24968	5,313.04
2028	21.2483	21.1900	4.03209	17.5931	0.02596	0.07730	0.18775	0.26505	0.07482	0.04509	0.11991	—	2,858.40	2,858.40	0.15198	0.05772	0.58097	2,879.98
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.33987	0.32218	2.29570	18.0705	0.02784	0.05600	2.78832	2.84432	0.05600	1.34189	1.39789	—	3,033.95	3,033.95	0.13811	0.03565	0.00291	3,048.03
2028	21.2466	21.1899	4.38610	22.1367	0.03123	0.08903	0.18775	0.26505	0.08655	0.04509	0.12686	—	3,452.49	3,452.49	0.17944	0.06115	0.01508	3,475.21
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.13783	0.12957	1.10234	6.92568	0.01107	0.02200	0.97857	1.00057	0.02200	0.42589	0.44789	—	1,199.29	1,199.29	0.05546	0.01486	0.02189	1,205.13
2028	9.09494	9.06379	2.17868	9.72389	0.01405	0.04105	0.09279	0.13384	0.03979	0.02228	0.06207	—	1,544.57	1,544.57	0.08339	0.02997	0.12585	1,555.71
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.02515	0.02365	0.20118	1.26394	0.00202	0.00401	0.17859	0.18260	0.00401	0.07773	0.08174	—	198.556	198.556	0.00918	0.00246	0.00362	199.522
2028	1.65983	1.65414	0.39761	1.77461	0.00256	0.00749	0.01693	0.02443	0.00726	0.00407	0.01133	—	255.721	255.721	0.01381	0.00496	0.02084	257.566

3. Construction Emissions Details

3.1. Demolition (2027)

3.1.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.53051	2.12356	19.0882	17.6134	0.03122	0.77452	—	0.77452	0.71256	—	0.71256	—	3,285.17	3,285.17	0.13326	0.02665	—	3,296.45
Demolition	—	—	—	—	—	—	1.77863	1.77863	—	0.26934	0.26934	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20105	0.16872	1.51659	1.39942	0.00248	0.06154	—	0.06154	0.05661	—	0.05661	—	261.014	261.014	0.01059	0.00212	—	261.910
Demolition	—	—	—	—	—	—	0.14132	0.14132	—	0.02140	0.02140	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03669	0.03079	0.27678	0.25539	0.00045	0.01123	—	0.01123	0.01033	—	0.01033	—	43.2138	43.2138	0.00175	0.00035	—	43.3621
Demolition	—	—	—	—	—	—	0.02579	0.02579	—	0.00391	0.00391	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02453	0.02398	0.00689	0.08956	0.00000	0.00000	0.00883	0.00883	0.00000	0.00207	0.00207	—	10.2669	10.2669	0.00138	0.00083	0.02254	10.5703
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06485	0.01967	0.62589	0.42916	0.00146	0.00146	0.03064	0.03209	0.00146	0.00839	0.00985	—	174.683	174.683	0.04226	0.02842	0.22714	184.435
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00188	0.00184	0.00063	0.00819	0.00000	0.00000	0.00069	0.00069	0.00000	0.00016	0.00016	—	0.78321	0.78321	0.00013	0.00007	0.00077	0.80685
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00509	0.00151	0.05060	0.03456	0.00012	0.00012	0.00241	0.00253	0.00012	0.00066	0.00078	—	13.8769	13.8769	0.00336	0.00226	0.00779	14.6414
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00034	0.00034	0.00012	0.00149	0.00000	0.00000	0.00013	0.00013	0.00000	0.00003	0.00003	—	0.12967	0.12967	0.00002	0.00001	0.00013	0.13358
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00093	0.00027	0.00923	0.00631	0.00002	0.00002	0.00044	0.00046	0.00002	0.00012	0.00014	—	2.29747	2.29747	0.00056	0.00037	0.00129	2.42405

3.1.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.34058	0.34058	3.84175	17.1838	0.03122	0.06086	—	0.06086	0.06086	—	0.06086	—	3,285.17	3,285.17	0.13326	0.02665	—	3,296.45
Demolition	—	—	—	—	—	—	1.77863	1.77863	—	0.26934	0.26934	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02706	0.02706	0.30523	1.36529	0.00248	0.00484	—	0.00484	0.00484	—	0.00484	—	261.014	261.014	0.01059	0.00212	—	261.910
Demolition	—	—	—	—	—	—	0.14132	0.14132	—	0.02140	0.02140	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00494	0.00494	0.05571	0.24917	0.00045	0.00088	—	0.00088	0.00088	—	0.00088	—	43.2138	43.2138	0.00175	0.00035	—	43.3621
Demolition	—	—	—	—	—	—	0.02579	0.02579	—	0.00391	0.00391	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02453	0.02398	0.00689	0.08956	0.00000	0.00000	0.00883	0.00883	0.00000	0.00207	0.00207	—	10.2669	10.2669	0.00138	0.00083	0.02254	10.5703
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.06485	0.01967	0.62589	0.42916	0.00146	0.00146	0.03064	0.03209	0.00146	0.00839	0.00985	—	174.683	174.683	0.04226	0.02842	0.22714	184.435
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00188	0.00184	0.00063	0.00819	0.00000	0.00000	0.00069	0.00069	0.00000	0.00016	0.00016	—	0.78321	0.78321	0.00013	0.00007	0.00077	0.80685
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00509	0.00151	0.05060	0.03456	0.00012	0.00012	0.00241	0.00253	0.00012	0.00066	0.00078	—	13.8769	13.8769	0.00336	0.00226	0.00779	14.6414
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00034	0.00034	0.00012	0.00149	0.00000	0.00000	0.00013	0.00013	0.00000	0.00003	0.00003	—	0.12967	0.12967	0.00002	0.00001	0.00013	0.13358
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00093	0.00027	0.00923	0.00631	0.00002	0.00002	0.00044	0.00046	0.00002	0.00012	0.00014	—	2.29747	2.29747	0.00056	0.00037	0.00129	2.42405

3.2. Site Preparation (2027)

3.2.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.77679	3.17355	28.4353	28.1011	0.04879	1.24805	—	1.24805	1.14821	—	1.14821	—	5,285.74	5,285.74	0.21441	0.04288	—	5,303.88
Dust From Material Movement	—	—	—	—	—	—	7.87303	7.87303	—	3.96228	3.96228	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05174	0.04347	0.38952	0.38495	0.00067	0.01710	—	0.01710	0.01573	—	0.01573	—	72.4075	72.4075	0.00294	0.00059	—	72.6559
Dust From Material Movement	—	—	—	—	—	—	0.10785	0.10785	—	0.05428	0.05428	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00944	0.00793	0.07109	0.07025	0.00012	0.00312	—	0.00312	0.00287	—	0.00287	—	11.9879	11.9879	0.00049	0.00010	—	12.0290
Dust From Material Movement	—	—	—	—	—	—	0.01968	0.01968	—	0.00991	0.00991	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02943	0.02877	0.00827	0.10748	0.00000	0.00000	0.01060	0.01060	0.00000	0.00248	0.00248	—	12.3203	12.3203	0.00165	0.00099	0.02705	12

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00038	0.00013	0.00169	0.00000	0.00000	0.00014	0.00014	0.00000	0.00003	0.00003	—	0.16204	0.16204	0.00003	0.00001	0.00016	0.16693
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00007	0.00007	0.00002	0.00031	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.02683	0.02683	< 0.000005	< 0.000005	0.00003	0.02764
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49669	0.49669	2.58280	28.2112	0.04876	0.09934	—	0.09934	0.09934	—	0.09934	—	5,282.23	5,282.23	0.21427	0.04285	—	5,300.36
Dust From Material Movement	—	—	—	—	—	—	7.87303	7.87303	—	3.96228	3.96228	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00680	0.00680	0.03538	0.38645	0.00067	0.00136	—	0.00136	0.00136	—	0.00136	—	72.3593	72.3593	0.00294	0.00059	—	72.6076
Dust From Material Movement	—	—	—	—	—	—	0.10785	0.10785	—	0.05428	0.05428	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00124	0.00124	0.00646	0.07053	0.00012	0.00025	—	0.00025	0.00025	—	0.00025	—	11.9799	11.9799	0.00049	0.00010	—	12.0210
Dust From Material Movement	—	—	—	—	—	—	0.01968	0.01968	—	0.00991	0.00991	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02943	0.02877	0.00827	0.10748	0.00000	0.00000	0.01060	0.01060	0.00000	0.00248	0.00248	—	12.3203	12.3203	0.00165	0.00099	0.02705	12.6843
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00038	0.00013	0.00169	0.00000	0.00000	0.00014	0.00014	0.00000	0.00003	0.00003	—	0.16204	0.16204	0.00003	0.00001	0.00016	0.16693
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00007	0.00007	0.00002	0.00031	0.00000	0.00000	0.00003	0.00003	0.00000	0.00001	0.00001	—	0.02683	0.02683	< 0.000005	< 0.000005	0.00003	0.02764
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88795	1.58640	14.2321	17.2743	0.02733	0.59767	—	0.59767	0.54986	—	0.54986	—	2,960.07	2,960.07	0.12007	0.02401	—	2,970.23
Dust From Material Movement	—	—	—	—	—	—	2.76622	2.76622	—	1.33625	1.33625	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88795	1.58640	14.2321	17.2743	0.02733	0.59767	—	0.59767	0.54986	—	0.54986	—	2,960.07	2,960.07	0.12007	0.02401	—	2,970.23
Dust From Material Movement	—	—	—	—	—	—	2.76622	2.76622	—	1.33625	1.33625	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49138	0.41290	3.70425	4.49606	0.00711	0.15556	—	0.15556	0.14311	—	0.14311	—	770.430	770.430	0.03125	0.00625	—	773.074
Dust From Material Movement	—	—	—	—	—	—	0.71997	0.71997	—	0.34779	0.34779	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08968	0.07535	0.67603	0.82053	0.00130	0.02839	—	0.02839	0.02612	—	0.02612	—	127.553	127.553	0.00517	0.00103	—	127.991
Dust From Material Movement	—	—	—	—	—	—	0.13140	0.13140	—	0.06347	0.06347	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02943	0.02877	0.00827	0.10748	0.00000	0.00000	0.01060	0.01060	0.00000	0.00248	0.00248	—	12.3203	12.3203	0.00165	0.00099	0.02705	12.6843
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02435	0.00739	0.23503	0.16115	0.00055	0.00055	0.01150	0.01205	0.00055	0.00315	0.00370	—	65.5949	65.5949	0.01587	0.01067	0.08529	69.2568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02943	0.02844	0.01025	0.13922	0.00000	0.00000	0.01060	0.01060	0.00000	0.00248	0.00248	—	11.8249	11.8249	0.00231	0.00099	0.00070	12.1791
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02353	0.00684	0.24296	0.16608	0.00055	0.00055	0.01150	0.01205	0.00055	0.00315	0.00370	—	65.5711	65.5711	0.01587	0.01067	0.00221	69.1499
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00740	0.00723	0.00250	0.03219	0.00000	0.00000	0.00273	0.00273	0.00000	0.00064	0.00064	—	3.07884	3.07884	0.00052	0.00026	0.00304	3.17174
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00627	0.00185	0.06224	0.04251	0.00014	0.00014	0.00297	0.00311	0.00014	0.00081	0.00096	—	17.0701	17.0701	0.00413	0.00278	0.00958	18.0106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00135	0.00132	0.00046	0.00587	0.00000	0.00000	0.00050	0.00050	0.00000	0.00012	0.00012	—	0.50974	0.50974	0.00009	0.00004	0.00050	0.52512
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00114	0.00034	0.01136	0.00776	0.00003	0.00003	0.00054	0.00057	0.00003	0.00015	0.00017	—	2.82615	2.82615	0.00068	0.00046	0.00159	2.98185

3.3.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28690	0.28690	2.04249	17.7652	0.02730	0.05545	—	0.05545	0.05545	—	0.05545	—	2,956.56	2,956.56	0.11993	0.02399	—	2,966.70
Dust From Material Movement	—	—	—	—	—	—	2.76622	2.76622	—	1.33625	1.33625	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28690	0.28690	2.04249	17.7652	0.02730	0.05545	—	0.05545	0.05545	—	0.05545	—	2,956.56	2,956.56	0.11993	0.02399	—	2,966.70
Dust From Material Movement	—	—	—	—	—	—	2.76622	2.76622	—	1.33625	1.33625	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07467	0.07467	0.53161	4.62383	0.00710	0.01443	—	0.01443	0.01443	—	0.01443	—	769.515	769.515	0.03121	0.00624	—	772.156
Dust From Material Movement	—	—	—	—	—	—	0.71997	0.71997	—	0.34779	0.34779	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01363	0.01363	0.09702	0.84385	0.00130	0.00263	—	0.00263	0.00263	—	0.00263	—	127.402	127.402	0.00517	0.00103	—	127.839
Dust From Material Movement	—	—	—	—	—	—	0.13140	0.13140	—	0.06347	0.06347	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02943	0.02877	0.00827	0.10748	0.00000	0.00000	0.01060	0.01060	0.00000	0.00248	0.00248	—	12.3203	12.3203	0.00165	0.00099	0.02705	12.6843
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02435	0.00739	0.23503	0.16115	0.00055	0.00055	0.01150	0.01205	0.00055	0.00315	0.00370	—	65.5949	65.5949	0.01587	0.01067	0.08529	69.2568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02943	0.02844	0.01025	0.13922	0.00000	0.00000	0.01060	0.01060	0.00000	0.00248	0.00248	—	11.8249	11.8249	0.00231	0.00099	0.00070	12.1791
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02353	0.00684	0.24296	0.16608	0.00055	0.00055	0.01150	0.01205	0.00055	0.00315	0.00370	—	65.5711	65.5711	0.01587	0.01067	0.00221	69.1499
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00740	0.00723	0.00250	0.03219	0.00000	0.00000	0.00273	0.00273	0.00000	0.00064	0.00064	—	3.07884	3.07884	0.00052	0.00026	0.00304	3.17174
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00627	0.00185	0.06224	0.04251	0.00014	0.00014	0.00297	0.00311	0.00014	0.00081	0.00096	—	17.0701	17.0701	0.00413	0.00278	0.00958	18.0106
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00135	0.00132	0.00046	0.00587	0.00000	0.00000	0.00050	0.00050	0.00000	0.00012	0.00012	—	0.50974	0.50974	0.00009	0.00004	0.00050	0.52512
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00114	0.00034	0.01136	0.00776	0.00003	0.00003	0.00054	0.00057	0.00003	0.00015	0.00017	—	2.82615	2.82615	0.00068	0.00046	0.00159	2.98185

3.4. Building Construction (2028)

3.4.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60052	0.50251	4.52361	6.55622	0.01186	0.15218	—	0.15218	0.14000	—	0.14000	—	1,215.15	1,215.15	0.04929	0.00986	—	1,219.32
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10960	0.09171	0.82556	1.19651	0.00216	0.02777	—	0.02777	0.02555	—	0.02555	—	201.182	201.182	0.00816	0.00163	—	201.872
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33864	0.33048	0.09792	1.24439	0.00000	0.00000	0.13075	0.13075	0.00000	0.03065	0.03065	—	149.311	149.311	0.02040	0.01224	0.29230	153.760
Vendor	0.03912	0.01402	0.41410	0.28640	0.00074	0.00074	0.02882	0.02956	0.00074	0.00776	0.00850	—	136.992	136.992	0.02214	0.02067	0.21639	143.922
Hauling	0.00413	0.00130	0.04008	0.02831	0.00010	0.00010	0.00202	0.00212	0.00010	0.00055	0.00065	—	11.2597	11.2597	0.00269	0.00183	0.01381	11.8850
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33864	0.33048	0.12240	1.61159	0.00000	0.00000	0.13075	0.13075	0.00000	0.03065	0.03065	—	143.276	143.276	0.02448	0.01224	0.00758	147.543
Vendor	0.03765	0.01402	0.42887	0.30338	0.00074	0.00074	0.02882	0.02956	0.00074	0.00776	0.00850	—	137.105	137.105	0.02288	0.02067	0.00562	143.841
Hauling	0.00399	0.00120	0.04148	0.02903	0.00010	0.00010	0.00202	0.00212	0.00010	0.00055	0.00065	—	11.2618	11.2618	0.00269	0.00183	0.00036	11.8737
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16957	0.16337	0.05583	0.72584	0.00000	0.00000	0.06547	0.06547	0.00000	0.01533	0.01533	—	72.6547	72.6547	0.01241	0.00620	0.06387	74.8775
Vendor	0.01945	0.00748	0.21400	0.14928	0.00037	0.00037	0.01446	0.01484	0.00037	0.00390	0.00427	—	69.4585	69.4585	0.01122	0.01048	0.04735	72.9082
Hauling	0.00205	0.00063	0.02071	0.01449	0.00005	0.00005	0.00101	0.00106	0.00005	0.00028	0.00033	—	5.70742	5.70742	0.00136	0.00093	0.00303	6.02040
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03095	0.02981	0.01019	0.13247	0.00000	0.00000	0.01195	0.01195	0.00000	0.00280	0.00280	—	12.0288	12.0288	0.00205	0.00103	0.01058	12.3968
Vendor	0.00355	0.00137	0.03906	0.02724	0.00007	0.00007	0.00264	0.00271	0.00007	0.00071	0.00078	—	11.4996	11.4996	0.00186	0.00173	0.00784	12.0708

Hauling	0.00037	0.00012	0.00378	0.00265	0.00001	0.00001	0.00019	0.00019	0.00001	0.00005	0.00006	—	0.94493	0.94493	0.00023	0.00015	0.00050	0.99675

3.4.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34870	0.32816	2.81436	14.8220	0.02340	0.07412	—	0.07412	0.07164	—	0.07164	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34870	0.32816	2.81436	14.8220	0.02340	0.07412	—	0.07412	0.07164	—	0.07164	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17674	0.16633	1.42645	7.51250	0.01186	0.03757	—	0.03757	0.03631	—	0.03631	—	1,215.15	1,215.15	0.04929	0.00986	—	1,219.32
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03225	0.03035	0.26033	1.37103	0.00216	0.00686	—	0.00686	0.00663	—	0.00663	—	201.182	201.182	0.00816	0.00163	—	201.872

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33864	0.33048	0.09792	1.24439	0.00000	0.00000	0.13075	0.13075	0.00000	0.03065	0.03065	—	149.311	149.311	0.02040	0.01224	0.29230	153.760
Vendor	0.03912	0.01402	0.41410	0.28640	0.00074	0.00074	0.02882	0.02956	0.00074	0.00776	0.00850	—	136.992	136.992	0.02214	0.02067	0.21639	143.922
Hauling	0.00413	0.00130	0.04008	0.02831	0.00010	0.00010	0.00202	0.00212	0.00010	0.00055	0.00065	—	11.2597	11.2597	0.00269	0.00183	0.01381	11.8850
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33864	0.33048	0.12240	1.61159	0.00000	0.00000	0.13075	0.13075	0.00000	0.03065	0.03065	—	143.276	143.276	0.02448	0.01224	0.00758	147.543
Vendor	0.03765	0.01402	0.42887	0.30338	0.00074	0.00074	0.02882	0.02956	0.00074	0.00776	0.00850	—	137.105	137.105	0.02288	0.02067	0.00562	143.841
Hauling	0.00399	0.00120	0.04148	0.02903	0.00010	0.00010	0.00202	0.00212	0.00010	0.00055	0.00065	—	11.2618	11.2618	0.00269	0.00183	0.00036	11.8737
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16957	0.16337	0.05583	0.72584	0.00000	0.00000	0.06547	0.06547	0.00000	0.01533	0.01533	—	72.6547	72.6547	0.01241	0.00620	0.06387	74.8775
Vendor	0.01945	0.00748	0.21400	0.14928	0.00037	0.00037	0.01446	0.01484	0.00037	0.00390	0.00427	—	69.4585	69.4585	0.01122	0.01048	0.04735	72.9082
Hauling	0.00205	0.00063	0.02071	0.01449	0.00005	0.00005	0.00101	0.00106	0.00005	0.00028	0.00033	—	5.70742	5.70742	0.00136	0.00093	0.00303	6.02040
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03095	0.02981	0.01019	0.13247	0.00000	0.00000	0.01195	0.01195	0.00000	0.00280	0.00280	—	12.0288	12.0288	0.00205	0.00103	0.01058	12.3968
Vendor	0.00355	0.00137	0.03906	0.02724	0.00007	0.00007	0.00264	0.00271	0.00007	0.00071	0.00078	—	11.4996	11.4996	0.00186	0.00173	0.00784	12.0708
Hauling	0.00037	0.00012	0.00378	0.00265	0.00001	0.00001	0.00019	0.00019	0.00001	0.00005	0.00006	—	0.94493	0.94493	0.00023	0.00015	0.00050	0.99675

3.5. Paving (2028)

3.5.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40775	0.34262	3.31377	4.95494	0.00698	0.12777	—	0.12777	0.11755	—	0.11755	—	755.515	755.515	0.03065	0.00613	—	758.108
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02905	0.02441	0.23605	0.35295	0.00050	0.00910	—	0.00910	0.00837	—	0.00837	—	53.8175	53.8175	0.00218	0.00044	—	54.0022
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00530	0.00445	0.04308	0.06441	0.00009	0.00166	—	0.00166	0.00153	—	0.00153	—	8.91010	8.91010	0.00036	0.00007	—	8.94068
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01372	0.01339	0.00496	0.06531	0.00000	0.00000	0.00530	0.00530	0.00000	0.00124	0.00124	—	5.80648	5.80648	0.00099	0.00050	0.00031	5.97941
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00073	0.00022	0.00761	0.00533	0.00002	0.00002	0.00037	0.00039	0.00002	0.00010	0.00012	—	2.06639	2.06639	0.00049	0.00034	0.00007	2.17867
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00097	0.00093	0.00032	0.00413	0.00000	0.00000	0.00037	0.00037	0.00000	0.00009	0.00009	—	0.41381	0.41381	0.00007	0.00004	0.00036	0.42647
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00005	0.00002	0.00053	0.00037	< 0.000005	< 0.000005	0.00003	0.00003	< 0.000005	0.00001	0.00001	—	0.14718	0.14718	0.00004	0.00002	0.00008	0.15525
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00018	0.00017	0.00006	0.00075	0.00000	0.00000	0.00007	0.00007	0.00000	0.00002	0.00002	—	0.06851	0.06851	0.00001	0.00001	0.00006	0.07061
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00001	< 0.000005	0.00010	0.00007	< 0.000005	< 0.000005	< 0.000005	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.02437	0.02437	0.00001	< 0.000005	0.00001	0.02570

3.5.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07997	0.07997	0.96643	5.30009	0.00698	0.01406	—	0.01406	0.01406	—	0.01406	—	755.515	755.515	0.03065	0.00613	—	758.108
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00570	0.00570	0.06884	0.37754	0.00050	0.00100	—	0.00100	0.00100	—	0.00100	—	53.8175	53.8175	0.00218	0.00044	—	54.0022
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00104	0.00104	0.01256	0.06890	0.00009	0.00018	—	0.00018	0.00018	—	0.00018	—	8.91010	8.91010	0.00036	0.00007	—	8.94068
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01372	0.01339	0.00496	0.06531	0.00000	0.00000	0.00530	0.00530	0.00000	0.00124	0.00124	—	5.80648	5.80648	0.00099	0.00050	0.00031	5.97941
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00073	0.00022	0.00761	0.00533	0.00002	0.00002	0.00037	0.00039	0.00002	0.00010	0.00012	—	2.06639	2.06639	0.00049	0.00034	0.00007	2.17867
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00097	0.00093	0.00032	0.00413	0.00000	0.00000	0.00037	0.00037	0.00000	0.00009	0.00009	—	0.41381	0.41381	0.00007	0.00004	0.00036	0.42647
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00005	0.00002	0.00053	0.00037	< 0.000005	< 0.000005	0.00003	0.00003	< 0.000005	0.00001	0.00001	—	0.14718	0.14718	0.00004	0.00002	0.00008	0.15525
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00018	0.00017	0.00006	0.00075	0.00000	0.00000	0.00007	0.00007	0.00000	0.00002	0.00002	—	0.06851	0.06851	0.00001	0.00001	0.00006	0.07061
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00001	< 0.000005	0.00010	0.00007	< 0.000005	< 0.000005	< 0.000005	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.02437	0.02437	0.00001	< 0.000005	0.00001	0.02570

3.6. Architectural Coating (2028)

3.6.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975

Architectural Coatings	20.4288	20.4288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	20.4288	20.4288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05514	0.04557	0.34318	0.47491	0.00073	0.00652	—	0.00652	0.00600	—	0.00600	—	56.6990	56.6990	0.00230	0.00046	—	56.8936
Architectural Coatings	8.67524	8.67524	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01006	0.00832	0.06263	0.08667	0.00013	0.00119	—	0.00119	0.00109	—	0.00109	—	9.38717	9.38717	0.00038	0.00008	—	9.41938

Architectural Coating	1.58323	1.58323	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06773	0.06610	0.01958	0.24888	0.00000	0.00000	0.02615	0.02615	0.00000	0.00613	0.00613	—	29.8621	29.8621	0.00408	0.00245	0.05846	30.7521
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06773	0.06610	0.02448	0.32232	0.00000	0.00000	0.02615	0.02615	0.00000	0.00613	0.00613	—	28.6553	28.6553	0.00490	0.00245	0.00152	29.5087
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02841	0.02737	0.00936	0.12163	0.00000	0.00000	0.01097	0.01097	0.00000	0.00257	0.00257	—	12.1746	12.1746	0.00208	0.00104	0.01070	12.5470
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00519	0.00500	0.00171	0.02220	0.00000	0.00000	0.00200	0.00200	0.00000	0.00047	0.00047	—	2.01564	2.01564	0.00034	0.00017	0.00177	2.07731
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	20.4288	20.4288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	20.4288	20.4288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00898	0.00898	0.27435	0.40903	0.00073	0.00100	—	0.00100	0.00100	—	0.00100	—	56.6990	56.6990	0.00230	0.00046	—	56.8936

Architectural	8.67524	8.67524	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00164	0.00164	0.05007	0.07465	0.00013	0.00018	—	0.00018	0.00018	—	0.00018	—	9.38717	9.38717	0.00038	0.00008	—	9.41938
Architectural Coatings	1.58323	1.58323	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06773	0.06610	0.01958	0.24888	0.00000	0.00000	0.02615	0.02615	0.00000	0.00613	0.00613	—	29.8621	29.8621	0.00408	0.00245	0.05846	30.7521
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06773	0.06610	0.02448	0.32232	0.00000	0.00000	0.02615	0.02615	0.00000	0.00613	0.00613	—	28.6553	28.6553	0.00490	0.00245	0.00152	29.5087
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02841	0.02737	0.00936	0.12163	0.00000	0.00000	0.01097	0.01097	0.00000	0.00257	0.00257	—	12.1746	12.1746	0.00208	0.00104	0.01070	12.5470
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00519	0.00500	0.00171	0.02220	0.00000	0.00000	0.00200	0.00200	0.00000	0.00047	0.00047	—	2.01564	2.01564	0.00034	0.00017	0.00177	2.07731
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7. Trenching (2027)

3.7.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22414	0.18834	1.80311	2.92880	0.00399	0.05125	—	0.05125	0.04715	—	0.04715	—	432.037	432.037	0.01753	0.00351	—	433.520
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03158	0.02654	0.25406	0.41267	0.00056	0.00722	—	0.00722	0.00664	—	0.00664	—	60.8741	60.8741	0.00247	0.00049	—	61.0830
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00576	0.00484	0.04637	0.07531	0.00010	0.00132	—	0.00132	0.00121	—	0.00121	—	10.0784	10.0784	0.00041	0.00008	—	10.1130
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00981	0.00948	0.00342	0.04641	0.00000	0.00000	0.00353	0.00353	0.00000	0.00083	0.00083	—	3.94164	3.94164	0.00077	0.00033	0.00023	4.05972
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00134	0.00130	0.00045	0.00581	0.00000	0.00000	0.00049	0.00049	0.00000	0.00012	0.00012	—	0.55558	0.55558	0.00009	0.00005	0.00055	0.57234
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00024	0.00024	0.00008	0.00106	0.00000	0.00000	0.00009	0.00009	0.00000	0.00002	0.00002	—	0.09198	0.09198	0.00002	0.00001	0.00009	0.09476
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04912	0.04912	0.80602	3.01741	0.00399	0.00789	—	0.00789	0.00789	—	0.00789	—	432.037	432.037	0.01753	0.00351	—	433.520
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00692	0.00692	0.11357	0.42515	0.00056	0.00111	—	0.00111	0.00111	—	0.00111	—	60.8741	60.8741	0.00247	0.00049	—	61.0830
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00126	0.00126	0.02073	0.07759	0.00010	0.00020	—	0.00020	0.00020	—	0.00020	—	10.0784	10.0784	0.00041	0.00008	—	10.1130
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00981	0.00948	0.00342	0.04641	0.00000	0.00000	0.00353	0.00353	0.00000	0.00083	0.00083	—	3.94164	3.94164	0.00077	0.00033	0.00023	4.05972
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00134	0.00130	0.00045	0.00581	0.00000	0.00000	0.00049	0.00049	0.00000	0.00012	0.00012	—	0.55558	0.55558	0.00009	0.00005	0.00055	0.57234
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00024	0.00024	0.00008	0.00106	0.00000	0.00000	0.00009	0.00009	0.00000	0.00002	0.00002	—	0.09198	0.09198	0.00002	0.00001	0.00009	0.09476
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8. Trenching (2028)

3.8.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.21793	0.18312	1.76447	2.93478	0.00399	0.04585	—	0.04585	0.04218	—	0.04218	—	432.044	432.044	0.01753	0.00351	—	433.526
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02917	0.02451	0.23618	0.39284	0.00053	0.00614	—	0.00614	0.00565	—	0.00565	—	57.8313	57.8313	0.00235	0.00047	—	58.0297
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00532	0.00447	0.04310	0.07169	0.00010	0.00112	—	0.00112	0.00103	—	0.00103	—	9.57463	9.57463	0.00039	0.00008	—	9.60749
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00915	0.00893	0.00331	0.04354	0.00000	0.00000	0.00353	0.00353	0.00000	0.00083	0.00083	—	3.87099	3.87099	0.00066	0.00033	0.00020	3.98627
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00121	0.00117	0.00040	0.00518	0.00000	0.00000	0.00047	0.00047	0.00000	0.00011	0.00011	—	0.51840	0.51840	0.00009	0.00004	0.00046	0.53426
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00022	0.00021	0.00007	0.00095	0.00000	0.00000	0.00009	0.00009	0.00000	0.00002	0.00002	—	0.08583	0.08583	0.00001	0.00001	0.00008	0.08845
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04912	0.04912	0.80602	3.01741	0.00399	0.00789	—	0.00789	0.00789	—	0.00789	—	432.044	432.044	0.01753	0.00351	—	433.526
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00658	0.00658	0.10789	0.40390	0.00053	0.00106	—	0.00106	0.00106	—	0.00106	—	57.8313	57.8313	0.00235	0.00047	—	58.0297
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00120	0.00120	0.01969	0.07371	0.00010	0.00019	—	0.00019	0.00019	—	0.00019	—	9.57463	9.57463	0.00039	0.00008	—	9.60749
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00915	0.00893	0.00331	0.04354	0.00000	0.00000	0.00353	0.00353	0.00000	0.00083	0.00083	—	3.87099	3.87099	0.00066	0.00033	0.00020	3.98627
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00121	0.00117	0.00040	0.00518	0.00000	0.00000	0.00047	0.00047	0.00000	0.00011	0.00011	—	0.51840	0.51840	0.00009	0.00004	0.00046	0.53426
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00022	0.00021	0.00007	0.00095	0.00000	0.00000	0.00009	0.00009	0.00000	0.00002	0.00002	—	0.08583	0.08583	0.00001	0.00001	0.00008	0.08845
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579
Total	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579
Total	0.05441	0.04951	0.22145	0.12626	0.00024	0.00728	0.00000	0.00728	0.00728	0.00000	0.00728	0.00000	22.9811	22.9811	0.00092	0.00018	0.00000	23.0579

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/1/2027	7/3/2027	6.00000	29.0000	—
Site Preparation	Site Preparation	7/6/2027	7/10/2027	6.00000	5.00000	—
Grading	Grading	7/13/2027	10/30/2027	6.00000	95.0000	—

Building Construction	Building Construction	3/1/2028	10/2/2028	6.00000	185.000	—
Paving	Paving	2/1/2028	3/1/2028	6.00000	26.0000	—
Architectural Coating	Architectural Coating	4/5/2028	10/2/2028	6.00000	155.000	—
Trenching	Trenching	11/2/2027	2/26/2028	6.00000	101.000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Site Preparation	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000

Paving	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Trenching	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Tier 4 Final	2.00000	8.00000	36.0000	0.38000
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00000	8.00000	84.0000	0.37000
Site Preparation	Graders	Diesel	Tier 4 Final	1.000000	8.00000	148.000	0.41000
Grading	Graders	Diesel	Tier 4 Final	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Tier 4 Final	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 4 Final	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Final	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000

Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.000000	6.00000	37.0000	0.48000
Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.000000	8.00000	84.0000	0.37000
Trenching	Excavators	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	1.000000	LDA,LDT1,LDT2
Demolition	Vendor	—	1.000000	HHDT,MHDT
Demolition	Hauling	33.0500	1.000000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	15.0000	1.000000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	1.000000	HHDT,MHDT
Site Preparation	Hauling	0.00000	1.000000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	1.000000	LDA,LDT1,LDT2
Grading	Vendor	—	1.000000	HHDT,MHDT
Grading	Hauling	12.4105	1.000000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	185.064	1.000000	LDA,LDT1,LDT2
Building Construction	Vendor	33.4821	1.000000	HHDT,MHDT
Building Construction	Hauling	2.18000	1.000000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	7.50000	1.000000	LDA,LDT1,LDT2
Paving	Vendor	—	1.000000	HHDT,MHDT
Paving	Hauling	0.40000	1.000000	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	Worker	37.0129	1.000000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	1.000000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	1.000000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	5.00000	1.000000	LDA,LDT1,LDT2
Trenching	Vendor	—	1.000000	HHDT,MHDT
Trenching	Hauling	0.00000	1.000000	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	12.5000	1.000000	LDA,LDT1,LDT2
Demolition	Vendor	—	1.000000	HHDT,MHDT
Demolition	Hauling	33.0500	1.000000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	15.0000	1.000000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	1.000000	HHDT,MHDT
Site Preparation	Hauling	0.00000	1.000000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	1.000000	LDA,LDT1,LDT2
Grading	Vendor	—	1.000000	HHDT,MHDT
Grading	Hauling	12.4105	1.000000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	185.064	1.000000	LDA,LDT1,LDT2
Building Construction	Vendor	33.4821	1.000000	HHDT,MHDT
Building Construction	Hauling	2.18000	1.000000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	7.50000	1.000000	LDA,LDT1,LDT2

Paving	Vendor	—	1.000000	HHDT,MHDT
Paving	Hauling	0.40000	1.000000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	37.0129	1.000000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	1.000000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	1.000000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	5.00000	1.000000	LDA,LDT1,LDT2
Trenching	Vendor	—	1.000000	HHDT,MHDT
Trenching	Hauling	0.00000	1.000000	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	452,205	150,735	3,106.50	1,035.50	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	49,088.0	0.00000
Site Preparation	—	—	10.00000	0.00000	0.00000
Grading	—	9,431.00	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.00000

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Apartments Mid Rise	—	0%
Paving	Regional Shopping Center	0.00000	0%
Paving	Unenclosed Parking with Elevator	0.00000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	99.9830	0.03300	0.00400
2028	0.00000	99.9830	0.03300	0.00400

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

Emergency Generator	Diesel	1.000000	0.00000	50.0000	1,207.00	0.73000

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	East Palo Alto default clean energy provider is Peninsula Clean Energy. 2024 CO2 intensity used from power content label.
Land Use	Lot acreage for phase 1. Number of dwelling units, square footages, and number of parking spaces from provided plans. Amenity & leasing square footage included in residential square footage.
Construction: Construction Phases	Dates provided by applicant. 6 day/week construction schedule.
Construction: Off-Road Equipment	Defaults modified by the applicant.
Construction: Dust From Material Movement	Soil export provided by applicant. BMPs required by East Palo Alto.
Construction: Trips and VMT	Demolition = Est. 43,000 sf of pavement demo'ed and hauled (4.8 trips/day), Building Cons Est. 251 concrete truck round trips (2.18 trips/day), Paving = Est. 4 asphalt truck round trip (0.4 trips/day). One mile trips for HRA.
Construction: On-Road Fugitive Dust	BMPs 15 mph.
Operations: Vehicle Data	Trip gen provided by traffic consultant.
Operations: Hearths	No hearths.
Operations: Energy Use	Project design is all-electric. Confirmed no natural gas by applicant. Convert natural gas to electricity.
Operations: Water and Waste Water	Wastewater treatment 100% aerobic - no septic tanks or lagoons.

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value
Electric Utility	Pacific Gas & Electric Company	Peninsula Clean Energy

8.2.2. Utility Information

Model Parameter	Units	Default Value	New Value
CO2	lb/MWh	99.9830	0.00000

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.78947	1.84000
Building Area	sq. ft	211,200	234,170
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.04761	0.00000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.99900	0.00000
Building Area	sq. ft	44,400.0	56,766.0
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	6/29/2027	7/3/2027
Demolition	Demolition	Days/Week	5.00000	6.00000
Demolition	Demolition	Work Days per Phase	20.0000	29.0000
Site Preparation	Site Preparation	Start Date	6/30/2027	7/6/2027
Site Preparation	Site Preparation	End Date	7/2/2027	7/10/2027
Site Preparation	Site Preparation	Days/Week	5.00000	6.00000
Site Preparation	Site Preparation	Work Days per Phase	2.00000	5.00000
Grading	Grading	Start Date	7/3/2027	7/13/2027

Grading	Grading	End Date	7/8/2027	10/30/2027
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	4.00000	95.0000
Building Construction	Building Construction	Start Date	7/9/2027	3/1/2028
Building Construction	Building Construction	End Date	4/14/2028	10/2/2028
Building Construction	Building Construction	Days/Week	5.00000	6.00000
Building Construction	Building Construction	Work Days per Phase	200.000	185.000
Paving	Paving	Start Date	4/15/2028	2/1/2028
Paving	Paving	End Date	4/29/2028	3/1/2028
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	10.00000	26.0000
Architectural Coating	Architectural Coating	Start Date	4/30/2028	4/5/2028
Architectural Coating	Architectural Coating	End Date	5/14/2028	10/2/2028
Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	155.000
Trenching	Trenching	Start Date	2/5/2026	11/2/2027
Trenching	Trenching	End Date	2/27/2026	2/26/2028
Trenching	Trenching	Work Days per Phase	20.0000	101.000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Demolition	Rubber Tired Dozers	Number per Day	1.000000	2.00000
Demolition	Excavators	Number per Day	3.00000	2.00000
Site Preparation	Rubber Tired Dozers	Number per Day	1.000000	3.00000
Site Preparation	Rubber Tired Dozers	Hours Per Day	7.00000	8.00000
Site Preparation	Tractors/Loaders/Backhoes	Number per Day	1.000000	2.00000
Grading	Tractors/Loaders/Backhoes	Number per Day	2.00000	3.00000
Grading	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000

Building Construction	Cranes	Hours Per Day	6.00000	7.00000
Building Construction	Forklifts	Number per Day	1.000000	3.00000
Building Construction	Forklifts	Hours Per Day	6.00000	8.00000
Building Construction	Tractors/Loaders/Backhoes	Number per Day	1.000000	3.00000
Building Construction	Tractors/Loaders/Backhoes	Hours Per Day	6.00000	7.00000
Building Construction	Welders	Number per Day	3.00000	1.000000
Paving	Pavers	Hours Per Day	6.00000	8.00000
Paving	Rollers	Hours Per Day	7.00000	8.00000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Exported	Cubic Yards	—	9,431.00
Grading	Total Acres Graded	acres	95.0000	20.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Worker	Miles per Trip	11.7000	1.000000
Demolition	Vendor	Miles per Trip	8.40000	1.000000
Demolition	Hauling	One-Way Trips per Day	19.4828	33.0500
Demolition	Hauling	Miles per Trip	20.0000	1.000000
Site Preparation	Worker	Miles per Trip	11.7000	1.000000
Site Preparation	Vendor	Miles per Trip	8.40000	1.000000
Site Preparation	Hauling	Miles per Trip	20.0000	1.000000
Grading	Worker	Miles per Trip	11.7000	1.000000
Grading	Vendor	Miles per Trip	8.40000	1.000000
Grading	Hauling	Miles per Trip	20.0000	1.000000
Building Construction	Worker	Miles per Trip	11.7000	1.000000
Building Construction	Vendor	Miles per Trip	8.40000	1.000000

Building Construction	Hauling	One-Way Trips per Day	0.00000	2.18000
Building Construction	Hauling	Miles per Trip	20.0000	1.000000
Paving	Worker	Miles per Trip	11.7000	1.000000
Paving	Vendor	Miles per Trip	8.40000	1.000000
Paving	Hauling	One-Way Trips per Day	0.00000	0.40000
Paving	Hauling	Miles per Trip	20.0000	1.000000
Architectural Coating	Worker	Miles per Trip	11.7000	1.000000
Architectural Coating	Vendor	Miles per Trip	8.40000	1.000000
Architectural Coating	Hauling	Miles per Trip	20.0000	1.000000
Trenching	Worker	Miles per Trip	11.7000	1.000000
Trenching	Vendor	Miles per Trip	8.40000	1.000000
Trenching	Hauling	Miles per Trip	20.0000	1.000000

8.4.7. On-Road Fugitive Dust

Phase Name	Model Parameter	Units	Default Value	New Value
Demolition	Mean Vehicle Speed	mph	40.0000	15.0000
Site Preparation	Mean Vehicle Speed	mph	40.0000	15.0000
Grading	Mean Vehicle Speed	mph	40.0000	15.0000
Building Construction	Mean Vehicle Speed	mph	40.0000	15.0000
Paving	Mean Vehicle Speed	mph	40.0000	15.0000
Architectural Coating	Mean Vehicle Speed	mph	40.0000	15.0000
Trenching	Mean Vehicle Speed	mph	40.0000	15.0000

24-140 2120-2160 Euclid Ave, East Palo Alto Phase 2 BMPs T4F C 2030 HRA Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	24-140 2120-2160 Euclid Ave, East Palo Alto Phase 2 BMPs T4F Const 2030 HRA
Construction Start Date	10/2/2028
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	18.8000
Location	2120 Euclid Ave, East Palo Alto, CA 94303, USA
County	San Mateo
City	East Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1281
EDFZ	1
Electric Utility	Peninsula Clean Energy
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.44

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	210.000	Dwelling Unit	2.25000	235,915	0.00000	—	605.000	—

Unenclosed Parking with Elevator	321.000	Space	0.00000	157,306	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	22.5480	22.2907	10.1274	16.1090	0.02629	0.28966	0.22802	0.51768	0.26658	0.05498	0.32156	—	2,942.06	2,942.06	0.16409	0.06743	0.65338	2,966.91
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.65021	2.22307	19.6883	19.6491	0.03351	0.77607	5.11965	5.89090	0.71400	2.62871	3.33826	—	3,639.79	3,639.79	0.14891	0.03300	0.00144	3,652.53
2029	22.5536	22.2906	12.0990	16.6093	0.02629	0.50698	2.77104	3.27802	0.46642	1.33772	1.80414	—	2,933.90	2,933.90	0.16984	0.06850	0.01691	2,958.58
2030	22.4939	22.2435	9.95264	16.4674	0.02629	0.27226	0.22802	0.50028	0.25057	0.05498	0.30555	—	2,925.25	2,925.25	0.16968	0.06738	0.01491	2,949.58
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.45910	0.38579	3.39161	3.61795	0.00605	0.13836	0.42878	0.56714	0.12729	0.21145	0.33874	—	649.430	649.430	0.02703	0.00575	0.00300	651.823
2029	7.60491	7.43657	7.15588	10.6540	0.01671	0.23671	0.66151	0.89821	0.21780	0.29943	0.51724	—	1,846.49	1,846.49	0.09374	0.03107	0.10465	1,858.19
2030	2.79906	2.76789	1.23587	2.02158	0.00327	0.03389	0.02805	0.06193	0.03119	0.00676	0.03795	—	364.074	364.074	0.02040	0.00839	0.03090	367.414

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.08379	0.07041	0.61897	0.66028	0.00110	0.02525	0.07825	0.10350	0.02323	0.03859	0.06182	—	107.521	107.521	0.00448	0.00095	0.00050	107.917
2029	1.38790	1.35717	1.30595	1.94435	0.00305	0.04320	0.12072	0.16392	0.03975	0.05465	0.09440	—	305.707	305.707	0.01552	0.00514	0.01733	307.645
2030	0.51083	0.50514	0.22555	0.36894	0.00060	0.00618	0.00512	0.01130	0.00569	0.00123	0.00693	—	60.2767	60.2767	0.00338	0.00139	0.00512	60.7800

2.2.4. Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	21.6404	21.5722	4.20969	17.8800	0.02629	0.07731	0.22802	0.30533	0.07486	0.05498	0.12984	—	2,942.06	2,942.06	0.16409	0.06743	0.65338	2,966.91
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.52087	0.52032	4.61030	28.4166	0.04893	0.09960	7.67507	7.77466	0.09960	3.94202	4.04162	—	5,309.70	5,309.70	0.21665	0.04383	0.00144	5,328.18
2029	21.6459	21.5721	4.26127	18.3803	0.02729	0.07731	2.77104	2.82649	0.07486	1.33772	1.39317	—	2,964.98	2,964.98	0.16984	0.06850	0.01691	2,975.41
2030	21.6204	21.5537	4.23232	18.2595	0.02629	0.07705	0.22802	0.30507	0.07462	0.05498	0.12960	—	2,925.25	2,925.25	0.16968	0.06738	0.01491	2,949.58
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.07789	0.07720	0.64656	4.07607	0.00677	0.01352	0.50579	0.51931	0.01352	0.25103	0.26455	—	728.032	728.032	0.03022	0.00639	0.00300	730.695
2029	6.91818	6.88873	2.50482	12.0731	0.01753	0.04854	0.66151	0.71004	0.04725	0.29943	0.34668	—	1,935.17	1,935.17	0.09734	0.03178	0.10465	1,947.18
2030	2.69034	2.68203	0.52391	2.24462	0.00327	0.00959	0.02805	0.03764	0.00929	0.00676	0.01605	—	364.074	364.074	0.02040	0.00839	0.03090	367.114
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.01422	0.01409	0.11800	0.74388	0.00124	0.00247	0.09231	0.09477	0.00247	0.04581	0.04828	—	120.534	120.534	0.00500	0.00106	0.00050	120.975
2029	1.26257	1.25719	0.45713	2.20334	0.00320	0.00886	0.12072	0.12958	0.00862	0.05465	0.06327	—	320.390	320.390	0.01612	0.00526	0.01733	322.378
2030	0.49099	0.48947	0.09561	0.40964	0.00060	0.00175	0.00512	0.00687	0.00169	0.00123	0.00293	—	60.2767	60.2767	0.00338	0.00139	0.00512	60.7800

3. Construction Emissions Details

3.1. Demolition (2028)

3.1.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.61361	2.19353	19.5832	18.6629	0.03255	0.77585	—	0.77585	0.71378	—	0.71378	—	3,428.57	3,428.57	0.13908	0.02782	—	3,440.33
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20766	0.17428	1.55593	1.48280	0.00259	0.06164	—	0.06164	0.05671	—	0.05671	—	272.407	272.407	0.01105	0.00221	—	273.342
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03790	0.03181	0.28396	0.27061	0.00047	0.01125	—	0.01125	0.01035	—	0.01035	—	45.1001	45.1001	0.00183	0.00037	—	45.2548

Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02745	0.02679	0.00992	0.13062	0.00000	0.00000	0.01060	0.01060	0.00000	0.00248	0.00248	—	11.6130	11.6130	0.00198	0.00099	0.00061	11.9588
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00915	0.00276	0.09513	0.06658	0.00022	0.00022	0.00463	0.00486	0.00022	0.00127	0.00149	—	25.8299	25.8299	0.00617	0.00419	0.00082	27.2333
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00215	0.00208	0.00071	0.00922	0.00000	0.00000	0.00083	0.00083	0.00000	0.00019	0.00019	—	0.92312	0.92312	0.00016	0.00008	0.00081	0.95136
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00074	0.00023	0.00744	0.00521	0.00002	0.00002	0.00036	0.00038	0.00002	0.00010	0.00012	—	2.05201	2.05201	0.00049	0.00033	0.00109	2.16454
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00038	0.00013	0.00168	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.15283	0.15283	0.00003	0.00001	0.00013	0.15751
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00013	0.00004	0.00136	0.00095	< 0.000005	< 0.000005	0.00007	0.00007	< 0.000005	0.00002	0.00002	—	0.33973	0.33973	0.00008	0.00006	0.00018	0.35836

3.1.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36229	0.36229	4.50525	18.1730	0.03255	0.06327	—	0.06327	0.06327	—	0.06327	—	3,428.57	3,428.57	0.13908	0.02782	—	3,440.33
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02878	0.02878	0.35795	1.44388	0.00259	0.00503	—	0.00503	0.00503	—	0.00503	—	272.407	272.407	0.01105	0.00221	—	273.342
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00525	0.00525	0.06533	0.26351	0.00047	0.00092	—	0.00092	0.00092	—	0.00092	—	45.1001	45.1001	0.00183	0.00037	—	45.2548
Demolition	—	—	—	—	—	—	0.00000	0.00000	—	0.00000	0.00000	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02745	0.02679	0.00992	0.13062	0.00000	0.00000	0.01060	0.01060	0.00000	0.00248	0.00248	—	11.6130	11.6130	0.00198	0.00099	0.00061	11.9588
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00915	0.00276	0.09513	0.06658	0.00022	0.00022	0.00463	0.00486	0.00022	0.00127	0.00149	—	25.8299	25.8299	0.00617	0.00419	0.00082	27.2333
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00215	0.00208	0.00071	0.00922	0.00000	0.00000	0.00083	0.00083	0.00000	0.00019	0.00019	—	0.92312	0.92312	0.00016	0.00008	0.00081	0.95136
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00074	0.00023	0.00744	0.00521	0.00002	0.00002	0.00036	0.00038	0.00002	0.00010	0.00012	—	2.05201	2.05201	0.00049	0.00033	0.00109	2.16454
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00039	0.00038	0.00013	0.00168	0.00000	0.00000	0.00015	0.00015	0.00000	0.00004	0.00004	—	0.15283	0.15283	0.00003	0.00001	0.00013	0.15751
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00013	0.00004	0.00136	0.00095	< 0.000005	< 0.000005	0.00007	0.00007	< 0.000005	0.00002	0.00002	—	0.33973	0.33973	0.00008	0.00006	0.00018	0.35836

3.2. Site Preparation (2028)

3.2.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	2.44650	2.05574	18.6229	19.5403	0.03351	0.77125	—	0.77125	0.70955	—	0.70955	—	3,630.11	3,630.11	0.14725	0.02945	—	3,642.57
Dust From Material Movement	—	—	—	—	—	—	5.11082	5.11082	—	2.62664	2.62664	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07373	0.06195	0.56124	0.58889	0.00101	0.02324	—	0.02324	0.02138	—	0.02138	—	109.401	109.401	0.00444	0.00089	—	109.776
Dust From Material Movement	—	—	—	—	—	—	0.15402	0.15402	—	0.07916	0.07916	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01346	0.01131	0.10243	0.10747	0.00018	0.00424	—	0.00424	0.00390	—	0.00390	—	18.1125	18.1125	0.00073	0.00015	—	18.1747
Dust From Material Movement	—	—	—	—	—	—	0.02811	0.02811	—	0.01445	0.01445	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02287	0.02232	0.00827	0.10885	0.00000	0.00000	0.00883	0.00883	0.00000	0.00207	0.00207	—	9.67747	9.67747	0.00165	0.00083	0.00051	9.96568
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00068	0.00066	0.00022	0.00292	0.00000	0.00000	0.00026	0.00026	0.00000	0.00006	0.00006	—	0.29179	0.29179	0.00005	0.00002	0.00026	0.30072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00012	0.00004	0.00053	0.00000	0.00000	0.00005	0.00005	0.00000	0.00001	0.00001	—	0.04831	0.04831	0.00001	< 0.000005	0.00004	0.04979
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49800	0.49800	2.58959	28.3078	0.04893	0.09960	—	0.09960	0.09960	—	0.09960	—	5,300.02	5,300.02	0.21499	0.04300	—	5,318.21

Dust From Material Movement	—	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01501	0.01501	0.07804	0.85311	0.00147	0.00300	—	0.00300	0.00300	—	0.00300	—	159.727	159.727	0.00648	0.00130	—	160.275
Dust From Material Movement	—	—	—	—	—	—	0.23104	0.23104	—	0.11874	0.11874	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00274	0.00274	0.01424	0.15569	0.00027	0.00055	—	0.00055	0.00055	—	0.00055	—	26.4446	26.4446	0.00107	0.00021	—	26.5353
Dust From Material Movement	—	—	—	—	—	—	0.04216	0.04216	—	0.02167	0.02167	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02287	0.02232	0.00827	0.10885	0.00000	0.00000	0.00883	0.00883	0.00000	0.00207	0.00207	—	9.67747	9.67747	0.00165	0.00083	0.00051	9.96568
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00068	0.00066	0.00022	0.00292	0.00000	0.00000	0.00026	0.00026	0.00000	0.00006	0.00006	—	0.29179	0.29179	0.00005	0.00002	0.00026	0.30072
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00012	0.00012	0.00004	0.00053	0.00000	0.00000	0.00005	0.00005	0.00000	0.00001	0.00001	—	0.04831	0.04831	0.00001	< 0.000005	0.00004	0.04979
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Grading (2028)

3.3.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.74298	1.46459	12.8291	15.4048	0.02465	0.54196	—	0.54196	0.49861	—	0.49861	—	2,670.59	2,670.59	0.10833	0.02167	—	2,679.76

Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17191	0.14445	1.26534	1.51937	0.00243	0.05345	—	0.05345	0.04918	—	0.04918	—	263.401	263.401	0.01068	0.00214	—	264.305
Dust From Material Movement	—	—	—	—	—	—	0.27244	0.27244	—	0.13174	0.13174	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03137	0.02636	0.23092	0.27729	0.00044	0.00976	—	0.00976	0.00897	—	0.00897	—	43.6091	43.6091	0.00177	0.00035	—	43.7587
Dust From Material Movement	—	—	—	—	—	—	0.04972	0.04972	—	0.02404	0.02404	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02287	0.02232	0.00827	0.10885	0.00000	0.00000	0.00883	0.00883	0.00000	0.00207	0.00207	—	9.67747	9.67747	0.00165	0.00083	0.00051	9.96568
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00223	0.00215	0.00073	0.00954	0.00000	0.00000	0.00086	0.00086	0.00000	0.00020	0.00020	—	0.95495	0.95495	0.00016	0.00008	0.00084	0.98417
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00041	0.00039	0.00013	0.00174	0.00000	0.00000	0.00016	0.00016	0.00000	0.00004	0.00004	—	0.15810	0.15810	0.00003	0.00001	0.00014	0.16294
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28690	0.28690	2.04249	17.7652	0.02730	0.05545	—	0.05545	0.05545	—	0.05545	—	2,957.28	2,957.28	0.11996	0.02399	—	2,967.43
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02830	0.02830	0.20145	1.75219	0.00269	0.00547	—	0.00547	0.00547	—	0.00547	—	291.677	291.677	0.01183	0.00237	—	292.678
Dust From Material Movement	—	—	—	—	—	—	0.27244	0.27244	—	0.13174	0.13174	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00516	0.00516	0.03676	0.31977	0.00049	0.00100	—	0.00100	0.00100	—	0.00100	—	48.2905	48.2905	0.00196	0.00039	—	48.4562
Dust From Material Movement	—	—	—	—	—	—	0.04972	0.04972	—	0.02404	0.02404	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02287	0.02232	0.00827	0.10885	0.00000	0.00000	0.00883	0.00883	0.00000	0.00207	0.00207	—	9.67747	9.67747	0.00165	0.00083	0.00051	9.9

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00223	0.00215	0.00073	0.00954	0.00000	0.00000	0.00086	0.00086	0.00000	0.00020	0.00020	—	0.95495	0.95495	0.00016	0.00008	0.00084	0.98417
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00041	0.00039	0.00013	0.00174	0.00000	0.00000	0.00016	0.00016	0.00000	0.00004	0.00004	—	0.15810	0.15810	0.00003	0.00001	0.00014	0.16294
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Grading (2029)

3.4.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69354	1.42304	12.0913	15.3248	0.02464	0.50698	—	0.50698	0.46642	—	0.46642	—	2,668.96	2,668.96	0.10826	0.02165	—	2,678.12
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35395	0.29742	2.52711	3.20291	0.00515	0.10596	—	0.10596	0.09748	—	0.09748	—	557.819	557.819	0.02263	0.00453	—	559.733
Dust From Material Movement	—	—	—	—	—	—	0.57731	0.57731	—	0.27915	0.27915	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06460	0.05428	0.46120	0.58453	0.00094	0.01934	—	0.01934	0.01779	—	0.01779	—	92.3532	92.3532	0.00375	0.00075	—	92.6702
Dust From Material Movement	—	—	—	—	—	—	0.10536	0.10536	—	0.05095	0.05095	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02177	0.02094	0.00772	0.10224	0.00000	0.00000	0.00883	0.00883	0.00000	0.00207	0.00207	—	9.51598	9.51598	0.00165	0.00083	0.00045	9.80413
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00443	0.00432	0.00150	0.01906	0.00000	0.00000	0.00182	0.00182	0.00000	0.00043	0.00043	—	1.99013	1.99013	0.00035	0.00017	0.00156	2.05181
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00081	0.00079	0.00027	0.00348	0.00000	0.00000	0.00033	0.00033	0.00000	0.00008	0.00008	—	0.32949	0.32949	0.00006	0.00003	0.00026	0.33970
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28690	0.28690	2.04249	17.7652	0.02729	0.05545	—	0.05545	0.05545	—	0.05545	—	2,955.46	2,955.46	0.11989	0.02398	—	2,965.61
Dust From Material Movement	—	—	—	—	—	—	2.76221	2.76221	—	1.33565	1.33565	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.05996	0.05996	0.42688	3.71297	0.00570	0.01159	—	0.01159	0.01159	—	0.01159	—	617.698	617.698	0.02506	0.00501	—	619.817
Dust From Material Movement	—	—	—	—	—	—	0.57731	0.57731	—	0.27915	0.27915	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01094	0.01094	0.07791	0.67762	0.00104	0.00212	—	0.00212	0.00212	—	0.00212	—	102.267	102.267	0.00415	0.00083	—	102.618
Dust From Material Movement	—	—	—	—	—	—	0.10536	0.10536	—	0.05095	0.05095	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02177	0.02094	0.00772	0.10224	0.00000	0.00000	0.00883	0.00883	0.00000	0.00207	0.00207	—	9.51598	9.51598	0.00165	0.00083	0.00045	9.80413
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00443	0.00432	0.00150	0.01906	0.00000	0.00000	0.00182	0.00182	0.00000	0.00043	0.00043	—	1.99013	1.99013	0.00035	0.00017	0.00156	2.05181
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00081	0.00079	0.00027	0.00348	0.00000	0.00000	0.00033	0.00033	0.00000	0.00008	0.00008	—	0.32949	0.32949	0.00006	0.00003	0.00026	0.33970
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Building Construction (2029)

3.5.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	—	0.27564	0.25359	—	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	—	0.27564	0.25359	—	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.41982	0.35130	3.12366	4.69595	0.00852	0.10033	—	0.10033	0.09231	—	0.09231	—	872.428	872.428	0.03539	0.00708	—	875.422
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07662	0.06411	0.57007	0.85701	0.00155	0.01831	—	0.01831	0.01685	—	0.01685	—	144.440	144.440	0.00586	0.00117	—	144.936
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37362	0.36404	0.11017	1.37951	0.00000	0.00000	0.15351	0.15351	0.00000	0.03598	0.03598	—	172.409	172.409	0.02395	0.01437	0.29933	177.590
Vendor	0.05317	0.02020	0.57526	0.40832	0.00106	0.00106	0.04152	0.04258	0.00106	0.01118	0.01224	—	192.375	192.375	0.02977	0.02765	0.27978	201.638
Hauling	0.00457	0.00142	0.04416	0.03191	0.00011	0.00011	0.00229	0.00240	0.00011	0.00063	0.00074	—	12.4551	12.4551	0.00294	0.00201	0.01441	13.1434
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37841	0.36404	0.13412	1.77707	0.00000	0.00000	0.15351	0.15351	0.00000	0.03598	0.03598	—	165.402	165.402	0.02874	0.01437	0.00774	170.410
Vendor	0.05317	0.02020	0.59652	0.43065	0.00106	0.00106	0.04152	0.04258	0.00106	0.01118	0.01224	—	192.616	192.616	0.02977	0.02871	0.00725	201.924
Hauling	0.00436	0.00131	0.04574	0.03278	0.00011	0.00011	0.00229	0.00240	0.00011	0.00063	0.00074	—	12.4638	12.4638	0.00294	0.00201	0.00037	13.1381
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13425	0.13076	0.04533	0.57710	0.00000	0.00000	0.05520	0.05520	0.00000	0.01293	0.01293	—	60.2433	60.2433	0.01046	0.00523	0.04712	62.1107
Vendor	0.01935	0.00735	0.21365	0.15249	0.00039	0.00039	0.01496	0.01535	0.00039	0.00403	0.00442	—	70.0602	70.0602	0.01084	0.01006	0.04395	73.3738
Hauling	0.00161	0.00050	0.01637	0.01175	0.00004	0.00004	0.00083	0.00087	0.00004	0.00023	0.00027	—	4.53490	4.53490	0.00107	0.00073	0.00226	4.78247

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02450	0.02386	0.00827	0.10532	0.00000	0.00000	0.01007	0.01007	0.00000	0.00236	0.00236	—	9.97397	9.97397	0.00173	0.00087	0.00780	10.2831
Vendor	0.00353	0.00134	0.03899	0.02783	0.00007	0.00007	0.00273	0.00280	0.00007	0.00074	0.00081	—	11.5993	11.5993	0.00179	0.00167	0.00728	12.1479
Hauling	0.00029	0.00009	0.00299	0.00215	0.00001	0.00001	0.00015	0.00016	0.00001	0.00004	0.00005	—	0.75080	0.75080	0.00018	0.00012	0.00037	0.79179

3.5.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34840	0.32790	2.81203	14.8212	0.02340	0.07379	—	0.07379	0.07134	—	0.07134	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34840	0.32790	2.81203	14.8212	0.02340	0.07379	—	0.07379	0.07134	—	0.07134	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12681	0.11935	1.02356	5.39481	0.00852	0.02686	—	0.02686	0.02597	—	0.02597	—	872.428	872.428	0.03539	0.00708	—	875.422
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02314	0.02178	0.18680	0.98455	0.00155	0.00490	—	0.00490	0.00474	—	0.00474	—	144.440	144.440	0.00586	0.00117	—	144.936
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37362	0.36404	0.11017	1.37951	0.00000	0.00000	0.15351	0.15351	0.00000	0.03598	0.03598	—	172.409	172.409	0.02395	0.01437	0.29933	177.590
Vendor	0.05317	0.02020	0.57526	0.40832	0.00106	0.00106	0.04152	0.04258	0.00106	0.01118	0.01224	—	192.375	192.375	0.02977	0.02765	0.27978	201.638
Hauling	0.00457	0.00142	0.04416	0.03191	0.00011	0.00011	0.00229	0.00240	0.00011	0.00063	0.00074	—	12.4551	12.4551	0.00294	0.00201	0.01441	13.1434
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37841	0.36404	0.13412	1.77707	0.00000	0.00000	0.15351	0.15351	0.00000	0.03598	0.03598	—	165.402	165.402	0.02874	0.01437	0.00774	170.410
Vendor	0.05317	0.02020	0.59652	0.43065	0.00106	0.00106	0.04152	0.04258	0.00106	0.01118	0.01224	—	192.616	192.616	0.02977	0.02871	0.00725	201.924
Hauling	0.00436	0.00131	0.04574	0.03278	0.00011	0.00011	0.00229	0.00240	0.00011	0.00063	0.00074	—	12.4638	12.4638	0.00294	0.00201	0.00037	13.1381
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13425	0.13076	0.04533	0.57710	0.00000	0.00000	0.05520	0.05520	0.00000	0.01293	0.01293	—	60.2433	60.2433	0.01046	0.00523	0.04712	62.1107
Vendor	0.01935	0.00735	0.21365	0.15249	0.00039	0.00039	0.01496	0.01535	0.00039	0.00403	0.00442	—	70.0602	70.0602	0.01084	0.01006	0.04395	73.3738
Hauling	0.00161	0.00050	0.01637	0.01175	0.00004	0.00004	0.00083	0.00087	0.00004	0.00023	0.00027	—	4.53490	4.53490	0.00107	0.00073	0.00226	4.78247
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02450	0.02386	0.00827	0.10532	0.00000	0.00000	0.01007	0.01007	0.00000	0.00236	0.00236	—	9.97397	9.97397	0.00173	0.00087	0.00780	10.2831
Vendor	0.00353	0.00134	0.03899	0.02783	0.00007	0.00007	0.00273	0.00280	0.00007	0.00074	0.00081	—	11.5993	11.5993	0.00179	0.00167	0.00728	12.1479

Hauling	0.00029	0.00009	0.00299	0.00215	0.00001	0.00001	0.00015	0.00016	0.00001	0.00004	0.00005	—	0.75080	0.75080	0.00018	0.00012	0.00037	0.79179

3.6. Building Construction (2030)

3.6.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12372	0.94034	8.39196	12.8848	0.02340	0.26012	—	0.26012	0.23931	—	0.23931	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13986	0.11704	1.04448	1.60366	0.00291	0.03237	—	0.03237	0.02978	—	0.02978	—	298.314	298.314	0.01210	0.00242	—	299.338
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02552	0.02136	0.19062	0.29267	0.00053	0.00591	—	0.00591	0.00544	—	0.00544	—	49.3893	49.3893	0.00200	0.00040	—	49.5588
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35925	0.34967	0.12933	1.68127	0.00000	0.00000	0.15351	0.15351	0.00000	0.03598	0.03598	—	162.863	162.863	0.02874	0.01437	0.00674	167.871
Vendor	0.05104	0.01914	0.57632	0.42533	0.00106	0.00106	0.04152	0.04258	0.00106	0.01118	0.01224	—	187.307	187.307	0.02977	0.02765	0.00648	196.297
Hauling	0.00425	0.00131	0.04443	0.03262	0.00011	0.00011	0.00229	0.00240	0.00011	0.00063	0.00074	—	12.1561	12.1561	0.00278	0.00196	0.00034	12.8101
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04412	0.04292	0.01490	0.18720	0.00000	0.00000	0.01888	0.01888	0.00000	0.00442	0.00442	—	20.2846	20.2846	0.00298	0.00179	0.01398	20.9060
Vendor	0.00648	0.00251	0.07041	0.05148	0.00013	0.00013	0.00512	0.00525	0.00013	0.00138	0.00151	—	23.2894	23.2894	0.00371	0.00344	0.01342	24.4209
Hauling	0.00054	0.00017	0.00543	0.00400	0.00001	0.00001	0.00028	0.00030	0.00001	0.00008	0.00009	—	1.51186	1.51186	0.00035	0.00024	0.00070	1.59391
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00805	0.00783	0.00272	0.03416	0.00000	0.00000	0.00344	0.00344	0.00000	0.00081	0.00081	—	3.35834	3.35834	0.00049	0.00030	0.00231	3.46123
Vendor	0.00118	0.00046	0.01285	0.00940	0.00002	0.00002	0.00093	0.00096	0.00002	0.00025	0.00028	—	3.85583	3.85583	0.00061	0.00057	0.00222	4.04316
Hauling	0.00010	0.00003	0.00099	0.00073	< 0.000005	< 0.000005	0.00005	0.00005	< 0.000005	0.00001	0.00002	—	0.25031	0.25031	0.00006	0.00004	0.00012	0.26389

3.6.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34818	0.32773	2.81033	14.8208	0.02340	0.07353	—	0.07353	0.07109	—	0.07109	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04334	0.04079	0.34978	1.84463	0.00291	0.00915	—	0.00915	0.00885	—	0.00885	—	298.314	298.314	0.01210	0.00242	—	299.338
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00791	0.00744	0.06383	0.33664	0.00053	0.00167	—	0.00167	0.00161	—	0.00161	—	49.3893	49.3893	0.00200	0.00040	—	49.5588
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35925	0.34967	0.12933	1.68127	0.00000	0.00000	0.15351	0.15351	0.00000	0.03598	0.03598	—	162.863	162.863	0.02874	0.01437	0.00674	167.871

Vendor	0.05104	0.01914	0.57632	0.42533	0.00106	0.00106	0.04152	0.04258	0.00106	0.01118	0.01224	—	187.307	187.307	0.02977	0.02765	0.00648	196.297
Hauling	0.00425	0.00131	0.04443	0.03262	0.00011	0.00011	0.00229	0.00240	0.00011	0.00063	0.00074	—	12.1561	12.1561	0.00278	0.00196	0.00034	12.8101
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04412	0.04292	0.01490	0.18720	0.00000	0.00000	0.01888	0.01888	0.00000	0.00442	0.00442	—	20.2846	20.2846	0.00298	0.00179	0.01398	20.9060
Vendor	0.00648	0.00251	0.07041	0.05148	0.00013	0.00013	0.00512	0.00525	0.00013	0.00138	0.00151	—	23.2894	23.2894	0.00371	0.00344	0.01342	24.4209
Hauling	0.00054	0.00017	0.00543	0.00400	0.00001	0.00001	0.00028	0.00030	0.00001	0.00008	0.00009	—	1.51186	1.51186	0.00035	0.00024	0.00070	1.59391
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00805	0.00783	0.00272	0.03416	0.00000	0.00000	0.00344	0.00344	0.00000	0.00081	0.00081	—	3.35834	3.35834	0.00049	0.00030	0.00231	3.46123
Vendor	0.00118	0.00046	0.01285	0.00940	0.00002	0.00002	0.00093	0.00096	0.00002	0.00025	0.00028	—	3.85583	3.85583	0.00061	0.00057	0.00222	4.04316
Hauling	0.00010	0.00003	0.00099	0.00073	< 0.000005	< 0.000005	0.00005	0.00005	< 0.000005	0.00001	0.00002	—	0.25031	0.25031	0.00006	0.00004	0.00012	0.26389

3.7. Paving (2029)

3.7.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51031	0.42880	4.27183	6.87170	0.00973	0.14978	—	0.14978	0.13779	—	0.13779	—	1,053.46	1,053.46	0.04273	0.00855	—	1,057.07
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03216	0.02702	0.26918	0.43301	0.00061	0.00944	—	0.00944	0.00868	—	0.00868	—	66.3824	66.3824	0.00269	0.00054	—	66.6102
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00587	0.00493	0.04913	0.07902	0.00011	0.00172	—	0.00172	0.00158	—	0.00158	—	10.9904	10.9904	0.00045	0.00009	—	11.0281
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01720	0.01676	0.00507	0.06349	0.00000	0.00000	0.00707	0.00707	0.00000	0.00166	0.00166	—	7.93532	7.93532	0.00110	0.00066	0.01378	8.17375
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00074	0.00023	0.00715	0.00517	0.00002	0.00002	0.00037	0.00039	0.00002	0.00010	0.00012	—	2.01702	2.01702	0.00048	0.00033	0.00233	2.12849
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00107	0.00104	0.00036	0.00460	0.00000	0.00000	0.00044	0.00044	0.00000	0.00010	0.00010	—	0.48002	0.48002	0.00008	0.00004	0.00038	0.49489

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00005	0.00001	0.00046	0.00033	< 0.000005	< 0.000005	0.00002	0.00002	< 0.000005	0.00001	0.00001	—	0.12714	0.12714	0.00003	0.00002	0.00006	0.13408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00020	0.00019	0.00007	0.00084	0.00000	0.00000	0.00008	0.00008	0.00000	0.00002	0.00002	—	0.07947	0.07947	0.00001	0.00001	0.00006	0.08194
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00001	< 0.000005	0.00008	0.00006	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	—	0.02105	0.02105	< 0.000005	< 0.000005	0.00001	0.02220

3.7.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15994	0.15994	1.93286	10.6002	0.01395	0.02813	—	0.02813	0.02813	—	0.02813	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01008	0.01008	0.12180	0.66796	0.00088	0.00177	—	0.00177	0.00177	—	0.00177	—	95.1901	95.1901	0.00386	0.00077	—	95.5167
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00184	0.00184	0.02223	0.12190	0.00016	0.00032	—	0.00032	0.00032	—	0.00032	—	15.7598	15.7598	0.00064	0.00013	—	15.8139
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.7.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01720	0.01676	0.00507	0.06349	0.00000	0.00000	0.00707	0.00707	0.00000	0.00166	0.00166	—	7.93532	7.93532	0.00110	0.00066	0.01378	8.17375
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00074	0.00023	0.00715	0.00517	0.00002	0.00002	0.00037	0.00039	0.00002	0.00010	0.00012	—	2.01702	2.01702	0.00048	0.00033	0.00233	2.12849
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00107	0.00104	0.00036	0.00460	0.00000	0.00000	0.00044	0.00044	0.00000	0.00010	0.00010	—	0.48002	0.48002	0.00008	0.00004	0.00038	0.49489
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00005	0.00001	0.00046	0.00033	< 0.000005	< 0.000005	0.00002	0.00002	< 0.000005	0.00001	0.00001	—	0.12714	0.12714	0.00003	0.00002	0.00006	0.13408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00020	0.00019	0.00007	0.00084	0.00000	0.00000	0.00008	0.00008	0.00000	0.00002	0.00002	—	0.07947	0.07947	0.00001	0.00001	0.00006	0.08194
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00001	< 0.000005	0.00008	0.00006	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	—	0.02105	0.02105	< 0.000005	< 0.000005	0.00001	0.02220

3.8. Architectural Coating (2029)

3.8.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03868	0.03197	0.24804	0.34736	0.00054	0.00401	—	0.00401	0.00369	—	0.00369	—	41.6989	41.6989	0.00169	0.00034	—	41.8420
Architectural Coatings	6.48543	6.48543	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00706	0.00583	0.04527	0.06339	0.00010	0.00073	—	0.00073	0.00067	—	0.00067	—	6.90373	6.90373	0.00028	0.00006	—	6.92742
Architectural Coatings	1.18359	1.18359	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07472	0.07281	0.02203	0.27590	0.00000	0.00000	0.03070	0.03070	0.00000	0.00720	0.00720	—	34.4819	34.4819	0.00479	0.00287	0.05987	35.5180
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07568	0.07281	0.02682	0.35541	0.00000	0.00000	0.03070	0.03070	0.00000	0.00720	0.00720	—	33.0804	33.0804	0.00575	0.00287	0.00155	34

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02304	0.02244	0.00778	0.09904	0.00000	0.00000	0.00947	0.00947	0.00000	0.00222	0.00222	—	10.3385	10.3385	0.00180	0.00090	0.00809	10.6590
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00420	0.00410	0.00142	0.01807	0.00000	0.00000	0.00173	0.00173	0.00000	0.00040	0.00040	—	1.71166	1.71166	0.00030	0.00015	0.00134	1.76472
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00660	0.00660	0.20178	0.30083	0.00054	0.00073	—	0.00073	0.00073	—	0.00073	—	41.6989	41.6989	0.00169	0.00034	—	41.8420
Architectural Coatings	6.48543	6.48543	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00121	0.00121	0.03682	0.05490	0.00010	0.00013	—	0.00013	0.00013	—	0.00013	—	6.90373	6.90373	0.00028	0.00006	—	6.92742
Architectural Coatings	1.18359	1.18359	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.8.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07472	0.07281	0.02203	0.27590	0.00000	0.00000	0.03070	0.03070	0.00000	0.00720	0.00720	—	34.4819	34.4819	0.00479	0.00287	0.05987	35.5180
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07568	0.07281	0.02682	0.35541	0.00000	0.00000	0.03070	0.03070	0.00000	0.00720	0.00720	—	33.0804	33.0804	0.00575	0.00287	0.00155	34.0820
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02304	0.02244	0.00778	0.09904	0.00000	0.00000	0.00947	0.00947	0.00000	0.00222	0.00222	—	10.3385	10.3385	0.00180	0.00090	0.00809	10.6590
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00420	0.00410	0.00142	0.01807	0.00000	0.00000	0.00173	0.00173	0.00000	0.00040	0.00040	—	1.71166	1.71166	0.00030	0.00015	0.00134	1.76472
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Architectural Coating (2030)

3.9.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11905	0.09839	0.78473	1.10719	0.00173	0.01097	—	0.01097	0.01009	—	0.01009	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01482	0.01225	0.09767	0.13780	0.00021	0.00137	—	0.00137	0.00126	—	0.00126	—	16.6173	16.6173	0.00067	0.00013	—	16.6743
Architectural Coatings	2.58442	2.58442	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00270	0.00223	0.01782	0.02515	0.00004	0.00025	—	0.00025	0.00023	—	0.00023	—	2.75118	2.75118	0.00011	0.00002	—	2.76062
Architectural Coatings	0.47166	0.47166	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07185	0.06993	0.02587	0.33625	0.00000	0.00000	0.03070	0.03070	0.00000	0.00720	0.00720	—	32.5726	32.5726	0.00575	0.00287	0.00135	33.5741
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00882	0.00858	0.00298	0.03744	0.00000	0.00000	0.00378	0.00378	0.00000	0.00088	0.00088	—	4.05691	4.05691	0.00060	0.00036	0.00280	4.18121
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00161	0.00157	0.00054	0.00683	0.00000	0.00000	0.00069	0.00069	0.00000	0.00016	0.00016	—	0.67167	0.67167	0.00010	0.00006	0.00046	0.69225
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.02114	0.02114	0.64604	0.96319	0.00173	0.00235	—	0.00235	0.00235	—	0.00235	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	20.7647	20.7647	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00263	0.00263	0.08041	0.11988	0.00021	0.00029	—	0.00029	0.00029	—	0.00029	—	16.6173	16.6173	0.00067	0.00013	—	16.6743
Architectural Coatings	2.58442	2.58442	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00048	0.00048	0.01467	0.02188	0.00004	0.00005	—	0.00005	0.00005	—	0.00005	—	2.75118	2.75118	0.00011	0.00002	—	2.76062
Architectural Coatings	0.47166	0.47166	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07185	0.06993	0.02587	0.33625	0.00000	0.00000	0.03070	0.03070	0.00000	0.00720	0.00720	—	32.5726	32.5726	0.00575	0.00287	0.00135	33.5741
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00882	0.00858	0.00298	0.03744	0.00000	0.00000	0.00378	0.00378	0.00000	0.00088	0.00088	—	4.05691	4.05691	0.00060	0.00036	0.00280	4.18121
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00161	0.00157	0.00054	0.00683	0.00000	0.00000	0.00069	0.00069	0.00000	0.00016	0.00016	—	0.67167	0.67167	0.00010	0.00006	0.00046	0.69225
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10. Trenching (2029)

3.10.1. Onsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31641	0.26587	2.53426	3.95800	0.00530	0.05977	—	0.05977	0.05498	—	0.05498	—	573.890	573.890	0.02328	0.00466	—	575.859

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08755	0.07357	0.70126	1.09523	0.00147	0.01654	—	0.01654	0.01521	—	0.01521	—	158.802	158.802	0.00644	0.00129	—	159.347
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01598	0.01343	0.12798	0.19988	0.00027	0.00302	—	0.00302	0.00278	—	0.00278	—	26.2916	26.2916	0.00107	0.00021	—	26.3818
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.2. Offsite - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01290	0.01257	0.00380	0.04762	0.00000	0.00000	0.00530	0.00530	0.00000	0.00124	0.00124	—	5.95149	5.95149	0.00083	0.00050	0.01033	6.13031
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00352	0.00343	0.00119	0.01514	0.00000	0.00000	0.00145	0.00145	0.00000	0.00034	0.00034	—	1.58092	1.58092	0.00027	0.00014	0.00124	1.62992
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00064	0.00063	0.00022	0.00276	0.00000	0.00000	0.00026	0.00026	0.00000	0.00006	0.00006	—	0.26174	0.26174	0.00005	0.00002	0.00020	0.26985
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.3. Onsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15169	0.13530	1.60518	4.03673	0.00530	0.02585	—	0.02585	0.02442	—	0.02442	—	573.890	573.890	0.02328	0.00466	—	575.859
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04197	0.03744	0.44417	1.11701	0.00147	0.00715	—	0.00715	0.00676	—	0.00676	—	158.802	158.802	0.00644	0.00129	—	159.347
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00766	0.00683	0.08106	0.20385	0.00027	0.00131	—	0.00131	0.00123	—	0.00123	—	26.2916	26.2916	0.00107	0.00021	—	26.3818
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.10.4. Offsite - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01290	0.01257	0.00380	0.04762	0.00000	0.00000	0.00530	0.00530	0.00000	0.00124	0.00124	—	5.95149	5.95149	0.00083	0.00050	0.01033	6.13031
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00352	0.00343	0.00119	0.01514	0.00000	0.00000	0.00145	0.00145	0.00000	0.00034	0.00034	—	1.58092	1.58092	0.00027	0.00014	0.00124	1.62992
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00064	0.00063	0.00022	0.00276	0.00000	0.00000	0.00026	0.00026	0.00000	0.00006	0.00006	—	0.26174	0.26174	0.00005	0.00002	0.00020	0.26985
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/2/2028	11/3/2028	6.00000	29.0000	—
Site Preparation	Site Preparation	11/6/2028	11/17/2028	6.00000	11.0000	—
Grading	Grading	11/20/2028	3/30/2029	6.00000	113.000	—
Building Construction	Building Construction	7/30/2029	2/22/2030	6.00000	179.000	—
Paving	Paving	7/2/2029	7/27/2029	6.00000	23.0000	—
Architectural Coating	Architectural Coating	8/21/2029	2/22/2030	6.00000	160.000	—
Trenching	Trenching	4/2/2029	7/27/2029	6.00000	101.000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Site Preparation	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000

Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Trenching	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.000000	8.00000	33.0000	0.73000
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Tier 4 Final	3.00000	8.00000	36.0000	0.38000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00000	8.00000	84.0000	0.37000
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00000	8.00000	367.000	0.40000
Grading	Graders	Diesel	Tier 4 Final	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	8.00000	84.0000	0.37000
Grading	Excavators	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	7.00000	367.000	0.29000

Building Construction	Forklifts	Diesel	Tier 4 Final	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Tier 4 Final	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 4 Final	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Tier 4 Final	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.000000	6.00000	37.0000	0.48000
Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.000000	8.00000	84.0000	0.37000
Trenching	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Trenching	Excavators	Diesel	Tier 4 Final	1.000000	8.00000	36.0000	0.38000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	1.000000	LDA,LDT1,LDT2
Demolition	Vendor	—	1.000000	HHDT,MHDT
Demolition	Hauling	5.00000	1.000000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	12.5000	1.000000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	1.000000	HHDT,MHDT
Site Preparation	Hauling	0.00000	1.000000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	12.5000	1.000000	LDA,LDT1,LDT2
Grading	Vendor	—	1.000000	HHDT,MHDT
Grading	Hauling	0.00000	1.000000	HHDT

Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	217.269	1.000000	LDA,LDT1,LDT2
Building Construction	Vendor	48.2315	1.000000	HHDT,MHDT
Building Construction	Hauling	2.47000	1.000000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	10.00000	1.000000	LDA,LDT1,LDT2
Paving	Vendor	—	1.000000	HHDT,MHDT
Paving	Hauling	0.40000	1.000000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	43.4537	1.000000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	1.000000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	1.000000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	7.50000	1.000000	LDA,LDT1,LDT2
Trenching	Vendor	—	1.000000	HHDT,MHDT
Trenching	Hauling	0.00000	1.000000	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	1.000000	LDA,LDT1,LDT2
Demolition	Vendor	—	1.000000	HHDT,MHDT
Demolition	Hauling	5.00000	1.000000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	12.5000	1.000000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	1.000000	HHDT,MHDT
Site Preparation	Hauling	0.00000	1.000000	HHDT
Site Preparation	Onsite truck	—	—	HHDT

Grading	Worker	12.5000	1.000000	LDA,LDT1,LDT2
Grading	Vendor	—	1.000000	HHDT,MHDT
Grading	Hauling	0.00000	1.000000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	217.269	1.000000	LDA,LDT1,LDT2
Building Construction	Vendor	48.2315	1.000000	HHDT,MHDT
Building Construction	Hauling	2.47000	1.000000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	10.00000	1.000000	LDA,LDT1,LDT2
Paving	Vendor	—	1.000000	HHDT,MHDT
Paving	Hauling	0.40000	1.000000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	43.4537	1.000000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	1.000000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	1.000000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	Worker	7.50000	1.000000	LDA,LDT1,LDT2
Trenching	Vendor	—	1.000000	HHDT,MHDT
Trenching	Hauling	0.00000	1.000000	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	477,728	159,243	0.00000	0.00000	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	0.00000	0.00000
Site Preparation	—	—	11.0000	0.00000	0.00000
Grading	—	0.00000	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	0.00000

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Apartments Mid Rise	—	0%
Paving	Unenclosed Parking with Elevator	0.00000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O

2028	0.00000	99.9830	0.03300	0.00400
2029	0.00000	99.9830	0.03300	0.00400
2030	0.00000	99.9830	0.03300	0.00400

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.000000	0.00000	50.0000	1,207.00	0.73000

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	East Palo Alto default clean energy provider is Peninsula Clean Energy. 2024 CO2 intensity used based on power content label.
Land Use	Phase 2 lot acreage 2.25 acres - from google earth overlay. Number of dwelling units, num of parking spaces, and square footages from provided plans. Amenity space included in residential square footage.
Construction: Construction Phases	Phase dates provided by applicant.
Construction: Off-Road Equipment	Defaults modified by the applicant.
Construction: Dust From Material Movement	No soil import/export.
Construction: Trips and VMT	Demolition = Est. 45,000-sf pavement demo'ed and hauled (5 trips/day), Building Const = E 284 concrete truck round trips (2.47 trips/day), Paving = Est. 4 asphalt truck round trips (0 trips/day). One mile trips for HRA.
Construction: On-Road Fugitive Dust	BMPs 15 mph.
Operations: Vehicle Data	Trip gen provided by traffic consultant.
Operations: Hearths	No hearths.
Operations: Energy Use	Project design is all-electric. Confirmed no natural gas by project applicant. Convert natural to electricity.

Operations: Water and Waste Water	Wastewater treatment 100% aerobic - no septic tanks or lagoons.

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value
Electric Utility	Pacific Gas & Electric Company	Peninsula Clean Energy

8.2.2. Utility Information

Model Parameter	Units	Default Value	New Value
CO2	lb/MWh	99.9830	0.00000

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.52632	2.25000
Building Area	sq. ft	201,600	235,915
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	2.88900	0.00000
Building Area	sq. ft	128,400	157,306
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	10/30/2028	11/3/2028
Demolition	Demolition	Days/Week	5.00000	6.00000

Demolition	Demolition	Work Days per Phase	20.0000	29.0000
Site Preparation	Site Preparation	Start Date	10/31/2028	11/6/2028
Site Preparation	Site Preparation	End Date	11/4/2028	11/17/2028
Site Preparation	Site Preparation	Days/Week	5.00000	6.00000
Site Preparation	Site Preparation	Work Days per Phase	3.00000	11.0000
Grading	Grading	Start Date	11/5/2028	11/20/2028
Grading	Grading	End Date	11/13/2028	3/30/2029
Grading	Grading	Days/Week	5.00000	6.00000
Grading	Grading	Work Days per Phase	6.00000	113.000
Building Construction	Building Construction	Start Date	11/14/2028	7/30/2029
Building Construction	Building Construction	End Date	9/18/2029	2/22/2030
Building Construction	Building Construction	Days/Week	5.00000	6.00000
Building Construction	Building Construction	Work Days per Phase	220.000	179.000
Paving	Paving	Start Date	9/19/2029	7/2/2029
Paving	Paving	End Date	10/3/2029	7/27/2029
Paving	Paving	Days/Week	5.00000	6.00000
Paving	Paving	Work Days per Phase	10.00000	23.0000
Architectural Coating	Architectural Coating	Start Date	10/4/2029	8/21/2029
Architectural Coating	Architectural Coating	End Date	10/18/2029	2/22/2030
Architectural Coating	Architectural Coating	Days/Week	5.00000	6.00000
Architectural Coating	Architectural Coating	Work Days per Phase	10.00000	160.000
Trenching	Trenching	Start Date	5/4/2027	4/2/2029
Trenching	Trenching	End Date	5/26/2027	7/27/2029
Trenching	Trenching	Work Days per Phase	20.0000	101.000

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Demolition	Rubber Tired Dozers	Number per Day	1.000000	2.00000

Site Preparation	Tractors/Loaders/Backhoes	Number per Day	1.000000	3.00000
Site Preparation	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000
Site Preparation	Rubber Tired Dozers	Number per Day	3.00000	2.00000
Grading	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000
Building Construction	Cranes	Hours Per Day	8.00000	7.00000
Building Construction	Forklifts	Number per Day	2.00000	3.00000
Building Construction	Forklifts	Hours Per Day	7.00000	8.00000
Building Construction	Tractors/Loaders/Backhoes	Number per Day	1.000000	3.00000
Building Construction	Tractors/Loaders/Backhoes	Hours Per Day	6.00000	7.00000
Building Construction	Welders	Number per Day	3.00000	1.000000
Paving	Paving Equipment	Number per Day	1.000000	2.00000
Paving	Rollers	Number per Day	2.00000	1.000000
Trenching	Excavators	Number per Day	1.000000	2.00000

8.4.4. Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Exported	Cubic Yards	—	0.00000
Grading	Total Acres Graded	acres	113.000	20.0000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Demolition	Worker	Miles per Trip	11.7000	1.000000
Demolition	Vendor	Miles per Trip	8.40000	1.000000
Demolition	Hauling	One-Way Trips per Day	0.00000	5.00000
Demolition	Hauling	Miles per Trip	20.0000	1.000000
Site Preparation	Worker	Miles per Trip	11.7000	1.000000
Site Preparation	Vendor	Miles per Trip	8.40000	1.000000
Site Preparation	Hauling	Miles per Trip	20.0000	1.000000

Grading	Worker	Miles per Trip	11.7000	1.000000
Grading	Vendor	Miles per Trip	8.40000	1.000000
Grading	Hauling	Miles per Trip	20.0000	1.000000
Building Construction	Worker	Miles per Trip	11.7000	1.000000
Building Construction	Vendor	Miles per Trip	8.40000	1.000000
Building Construction	Hauling	One-Way Trips per Day	0.00000	2.47000
Building Construction	Hauling	Miles per Trip	20.0000	1.000000
Paving	Worker	Miles per Trip	11.7000	1.000000
Paving	Vendor	Miles per Trip	8.40000	1.000000
Paving	Hauling	One-Way Trips per Day	0.00000	0.40000
Paving	Hauling	Miles per Trip	20.0000	1.000000
Architectural Coating	Worker	Miles per Trip	11.7000	1.000000
Architectural Coating	Vendor	Miles per Trip	8.40000	1.000000
Architectural Coating	Hauling	Miles per Trip	20.0000	1.000000
Trenching	Worker	Miles per Trip	11.7000	1.000000
Trenching	Vendor	Miles per Trip	8.40000	1.000000
Trenching	Hauling	Miles per Trip	20.0000	1.000000

8.4.7. On-Road Fugitive Dust

Phase Name	Model Parameter	Units	Default Value	New Value
Demolition	Mean Vehicle Speed	mph	40.0000	15.0000
Site Preparation	Mean Vehicle Speed	mph	40.0000	15.0000
Grading	Mean Vehicle Speed	mph	40.0000	15.0000
Building Construction	Mean Vehicle Speed	mph	40.0000	15.0000
Paving	Mean Vehicle Speed	mph	40.0000	15.0000
Architectural Coating	Mean Vehicle Speed	mph	40.0000	15.0000
Trenching	Mean Vehicle Speed	mph	40.0000	15.0000

24-140 2120-2160 Euclid Ave, East Palo Alto Full Build Out Opera Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	24-140 2120-2160 Euclid Ave, East Palo Alto Full Build Out Operation
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20000
Precipitation (days)	18.8000
Location	2120 Euclid Ave, East Palo Alto, CA 94303, USA
County	San Mateo
City	East Palo Alto
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1281
EDFZ	1
Electric Utility	Peninsula Clean Energy
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.44

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	430.000	Dwelling Unit	4.09000	470,085	0.00000	—	1,238.00	—

Regional Shopping Center	2.07400	1000sqft	0.00000	2,074.00	0.00000	—	—	—
Unenclosed Parking with Elevator	432.000	Space	0.00000	214,072	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.1557	18.6636	2.12123	58.7197	0.07359	0.06128	7.21007	7.27134	0.05214	1.82677	1.87891	190.096	7,420.99	7,611.09	17.7462	0.30242	16.7913	8,161.66
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.2205	14.9649	2.14487	24.6453	0.06885	0.03346	7.21007	7.24352	0.03114	1.82677	1.85791	190.096	7,001.44	7,191.53	17.7726	0.32652	3.72453	7,736.88
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.4749	17.0648	4.46808	40.2301	0.06796	0.12484	6.66265	6.78749	0.11931	1.68835	1.80765	190.096	6,893.22	7,083.31	17.7550	0.30316	8.79488	7,626.33
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.18917	3.11433	0.81543	7.34200	0.01240	0.02278	1.21593	1.23872	0.02177	0.30812	0.32990	31.4726	1,141.25	1,172.72	2.93954	0.05019	1.45609	1,262.63

2.4. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.32867	3.08435	1.81421	24.8406	0.07197	0.03344	7.21007	7.24351	0.03113	1.82677	1.85790	—	7,317.11	7,317.11	0.25992	0.24101	13.4146	7,408.84
Area	15.8271	15.5793	0.30701	33.8791	0.00162	0.02784	—	0.02784	0.02101	—	0.02101	0.00000	103.883	103.883	0.00435	0.00087	—	104.251
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Stationary	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	19.1557	18.6636	2.12123	58.7197	0.07359	0.06128	7.21007	7.27134	0.05214	1.82677	1.87891	190.096	7,420.99	7,611.09	17.7462	0.30242	16.7913	8,161.66
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.29664	3.04099	2.14487	24.6453	0.06885	0.03346	7.21007	7.24352	0.03114	1.82677	1.85791	—	7,001.44	7,001.44	0.29074	0.26598	0.34783	7,088.32
Area	11.9239	11.9239	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Stationary	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	15.2205	14.9649	2.14487	24.6453	0.06885	0.03346	7.21007	7.24352	0.03114	1.82677	1.85791	190.096	7,001.44	7,191.53	17.7726	0.32652	3.72453	7,736.88
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.02991	2.79571	1.88987	22.1389	0.06455	0.03128	6.66265	6.69393	0.02912	1.68835	1.71746	—	6,564.37	6,564.37	0.25980	0.24002	5.41817	6,647.81

Area	13.8487	13.7265	0.15140	16.7075	0.00080	0.01373	—	0.01373	0.01036	—	0.01036	0.00000	51.2297	51.2297	0.00214	0.00043	—	51.4116
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Stationary	0.59627	0.54260	2.42681	1.38371	0.00261	0.07983	0.00000	0.07983	0.07983	0.00000	0.07983	0.00000	277.615	277.615	0.01115	0.00217	0.00000	278.541
Total	17.4749	17.0648	4.46808	40.2301	0.06796	0.12484	6.66265	6.78749	0.11931	1.68835	1.80765	190.096	6,893.22	7,083.31	17.7550	0.30316	8.79488	7,626.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.55296	0.51022	0.34490	4.04036	0.01178	0.00571	1.21593	1.22164	0.00531	0.30812	0.31344	—	1,086.81	1,086.81	0.04301	0.03974	0.89704	1,100.62
Area	2.52739	2.50509	0.02763	3.04912	0.00015	0.00251	—	0.00251	0.00189	—	0.00189	0.00000	8.48167	8.48167	0.00036	0.00007	—	8.51178
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.02935	0.00356	—	1.79370
Water	—	—	—	—	—	—	—	—	—	—	—	2.91562	0.00000	2.91562	0.01082	0.00647	—	5.11300
Waste	—	—	—	—	—	—	—	—	—	—	—	28.5570	0.00000	28.5570	2.85416	0.00000	—	99.9111
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.55905	0.55905
Stationary	0.10882	0.09903	0.44289	0.25253	0.00048	0.01457	0.00000	0.01457	0.01457	0.00000	0.01457	0.00000	45.9623	45.9623	0.00185	0.00036	0.00000	46.1157
Total	3.18917	3.11433	0.81543	7.34200	0.01240	0.02278	1.21593	1.23872	0.02177	0.30812	0.32990	31.4726	1,141.25	1,172.72	2.93954	0.05019	1.45609	1,262.63

2.5. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.32867	3.08435	1.81421	24.8406	0.07197	0.03344	7.21007	7.24351	0.03113	1.82677	1.85790	—	7,317.11	7,317.11	0.25992	0.24101	13.4146	7,408.84
Area	15.8271	15.5793	0.30701	33.8791	0.00162	0.02784	—	0.02784	0.02101	—	0.02101	0.00000	103.883	103.883	0.00435	0.00087	—	104.251
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828

Waste	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Stationary	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	19.1557	18.6636	2.12123	58.7197	0.07359	0.06128	7.21007	7.27134	0.05214	1.82677	1.87891	190.096	7,420.99	7,611.09	17.7462	0.30242	16.7913	8,161.66
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.29664	3.04099	2.14487	24.6453	0.06885	0.03346	7.21007	7.24352	0.03114	1.82677	1.85791	—	7,001.44	7,001.44	0.29074	0.26598	0.34783	7,088.32
Area	11.9239	11.9239	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Stationary	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	15.2205	14.9649	2.14487	24.6453	0.06885	0.03346	7.21007	7.24352	0.03114	1.82677	1.85791	190.096	7,001.44	7,191.53	17.7726	0.32652	3.72453	7,736.88
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.02991	2.79571	1.88987	22.1389	0.06455	0.03128	6.66265	6.69393	0.02912	1.68835	1.71746	—	6,564.37	6,564.37	0.25980	0.24002	5.41817	6,647.81
Area	13.8487	13.7265	0.15140	16.7075	0.00080	0.01373	—	0.01373	0.01036	—	0.01036	0.00000	51.2297	51.2297	0.00214	0.00043	—	51.4116
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Water	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Waste	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Stationary	0.59627	0.54260	2.42681	1.38371	0.00261	0.07983	0.00000	0.07983	0.07983	0.00000	0.07983	0.00000	277.615	277.615	0.01115	0.00217	0.00000	278.541
Total	17.4749	17.0648	4.46808	40.2301	0.06796	0.12484	6.66265	6.78749	0.11931	1.68835	1.80765	190.096	6,893.22	7,083.31	17.7550	0.30316	8.79488	7,626.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.55296	0.51022	0.34490	4.04036	0.01178	0.00571	1.21593	1.22164	0.00531	0.30812	0.31344	—	1,086.81	1,086.81	0.04301	0.03974	0.89704	1,100.62
Area	2.52739	2.50509	0.02763	3.04912	0.00015	0.00251	—	0.00251	0.00189	—	0.00189	0.00000	8.48167	8.48167	0.00036	0.00007	—	8.5

Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.02935	0.00356	—	1.79370
Water	—	—	—	—	—	—	—	—	—	—	—	2.91562	0.00000	2.91562	0.01082	0.00647	—	5.11300
Waste	—	—	—	—	—	—	—	—	—	—	—	28.5570	0.00000	28.5570	2.85416	0.00000	—	99.9111
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.55905	0.55905
Stationary	0.10882	0.09903	0.44289	0.25253	0.00048	0.01457	0.00000	0.01457	0.01457	0.00000	0.01457	0.00000	45.9623	45.9623	0.00185	0.00036	0.00000	46.1157
Total	3.18917	3.11433	0.81543	7.34200	0.01240	0.02278	1.21593	1.23872	0.02177	0.30812	0.32990	31.4726	1,141.25	1,172.72	2.93954	0.05019	1.45609	1,262.63

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	3.02136	2.79538	1.67147	22.9799	0.06709	0.03105	6.72751	6.75855	0.02890	1.70451	1.73341	—	6,820.49	6,820.49	0.23816	0.22244	12.5167	6,905.25
Regional Shopping Center	0.30731	0.28897	0.14274	1.86071	0.00488	0.00239	0.48256	0.48495	0.00222	0.12226	0.12449	—	496.616	496.616	0.02176	0.01856	0.89782	503.589
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.32867	3.08435	1.81421	24.8406	0.07197	0.03344	7.21007	7.24351	0.03113	1.82677	1.85790	—	7,317.11	7,317.11	0.25992	0.24101	13.4146	7,408.84

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.99194	2.75597	1.97608	22.7123	0.06417	0.03106	6.72751	6.75857	0.02891	1.70451	1.73342	—	6,525.79	6,525.79	0.26573	0.24541	0.32455	6,605.89
Regional Shopping Center	0.30470	0.28503	0.16879	1.93302	0.00468	0.00239	0.48256	0.48496	0.00223	0.12226	0.12449	—	475.648	475.648	0.02500	0.02056	0.02328	482.424
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.29664	3.04099	2.14487	24.6453	0.06885	0.03346	7.21007	7.24352	0.03114	1.82677	1.85791	—	7,001.44	7,001.44	0.29074	0.26598	0.34783	7,088.32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.51027	0.47015	0.32289	3.78741	0.01115	0.00538	1.15234	1.15772	0.00501	0.29201	0.29702	—	1,028.90	1,028.90	0.03999	0.03726	0.85012	1,041.86
Regional Shopping Center	0.04269	0.04007	0.02201	0.25294	0.00063	0.00032	0.06360	0.06392	0.00030	0.01612	0.01642	—	57.9045	57.9045	0.00302	0.00248	0.04692	58.7658
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.55296	0.51022	0.34490	4.04036	0.01178	0.00571	1.21593	1.22164	0.00531	0.30812	0.31344	—	1,086.81	1,086.81	0.04301	0.03974	0.89704	1,100.62

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	3.02136	2.79538	1.67147	22.9799	0.06709	0.03105	6.72751	6.75855	0.02890	1.70451	1.73341	—	6,820.49	6,820.49	0.23816	0.22244	12.5167	6,905.25
Regional Shopping Center	0.30731	0.28897	0.14274	1.86071	0.00488	0.00239	0.48256	0.48495	0.00222	0.12226	0.12449	—	496.616	496.616	0.02176	0.01856	0.89782	503.589
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.32867	3.08435	1.81421	24.8406	0.07197	0.03344	7.21007	7.24351	0.03113	1.82677	1.85790	—	7,317.11	7,317.11	0.25992	0.24101	13.4146	7,408.84
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.99194	2.75597	1.97608	22.7123	0.06417	0.03106	6.72751	6.75857	0.02891	1.70451	1.73342	—	6,525.79	6,525.79	0.26573	0.24541	0.32455	6,605.89
Regional Shopping Center	0.30470	0.28503	0.16879	1.93302	0.00468	0.00239	0.48256	0.48496	0.00223	0.12226	0.12449	—	475.648	475.648	0.02500	0.02056	0.02328	482.424
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.29664	3.04099	2.14487	24.6453	0.06885	0.03346	7.21007	7.24352	0.03114	1.82677	1.85791	—	7,001.44	7,001.44	0.29074	0.26598	0.34783	7,088.32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.51027	0.47015	0.32289	3.78741	0.01115	0.00538	1.15234	1.15772	0.00501	0.29201	0.29702	—	1,028.90	1,028.90	0.03999	0.03726	0.85012	1,041.86

Regiona Shopping Center	0.04269	0.04007	0.02201	0.25294	0.00063	0.00032	0.06360	0.06392	0.00030	0.01612	0.01642	—	57.9045	57.9045	0.00302	0.00248	0.04692	58.7658
Unenclo sed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.55296	0.51022	0.34490	4.04036	0.01178	0.00571	1.21593	1.22164	0.00531	0.30812	0.31344	—	1,086.81	1,086.81	0.04301	0.03974	0.89704	1,100.62

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.12080	0.01464	—	7.38356
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00191	0.00023	—	0.11691
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.05454	0.00661	—	3.33360
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.12080	0.01464	—	7.38356
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00191	0.00023	—	0.11691
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.05454	0.00661	—	3.33360
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02000	0.00242	—	1.22243
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00032	0.00004	—	0.01936
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00903	0.00109	—	0.55192
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02935	0.00356	—	1.79370

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.12080	0.01464	—	7.38356
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00191	0.00023	—	0.11691
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.05454	0.00661	—	3.33360
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.12080	0.01464	—	7.38356
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00191	0.00023	—	0.11691
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.05454	0.00661	—	3.33360
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.17726	0.02149	—	10.8341
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02000	0.00242	—	1.22243

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00032	0.00004	—	0.01936
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00903	0.00109	—	0.55192
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.02935	0.00356	—	1.79370

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

Regional Shopping Center	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	10.1042	10.1042	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.81967	1.81967	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.90319	3.65539	0.30701	33.8791	0.00162	0.02784	—	0.02784	0.02101	—	0.02101	—	103.883	103.883	0.00435	0.00087	—	104.251
Total	15.8271	15.5793	0.30701	33.8791	0.00162	0.02784	—	0.02784	0.02101	—	0.02101	0.00000	103.883	103.883	0.00435	0.00087	—	104.251

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	10.1042	10.1042	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.81967	1.81967	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.9239	11.9239	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	1.84402	1.84402	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.33209	0.33209	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.35129	0.32899	0.02763	3.04912	0.00015	0.00251	—	0.00251	0.00189	—	0.00189	—	8.48167	8.48167	0.00036	0.00007	—	8.51178
Total	2.52739	2.50509	0.02763	3.04912	0.00015	0.00251	—	0.00251	0.00189	—	0.00189	0.00000	8.48167	8.48167	0.00036	0.00007	—	8.51178

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	10.1042	10.1042	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.81967	1.81967	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.90319	3.65539	0.30701	33.8791	0.00162	0.02784	—	0.02784	0.02101	—	0.02101	—	103.883	103.883	0.00435	0.00087	—	104.251
Total	15.8271	15.5793	0.30701	33.8791	0.00162	0.02784	—	0.02784	0.02101	—	0.02101	0.00000	103.883	103.883	0.00435	0.00087	—	104.251
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	10.1042	10.1042	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.81967	1.81967	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.9239	11.9239	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	1.84402	1.84402	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.33209	0.33209	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.35129	0.32899	0.02763	3.04912	0.00015	0.00251	—	0.00251	0.00189	—	0.00189	—	8.48167	8.48167	0.00036	0.00007	—	8.51178
Total	2.52739	2.50509	0.02763	3.04912	0.00015	0.00251	—	0.00251	0.00189	—	0.00189	0.00000	8.48167	8.48167	0.00036	0.00007	—	8.51178

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	17.2827	0.00000	17.2827	0.06412	0.03833	—	30.3079
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.32782	0.00000	0.32782	0.00122	0.00073	—	0.57489
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	17.2827	0.00000	17.2827	0.06412	0.03833	—	30.3079

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	0.32782	0.00000	0.32782	0.00122	0.00073	—	0.57489
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.86134	0.00000	2.86134	0.01062	0.00635	—	5.01782
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.05427	0.00000	0.05427	0.00020	0.00012	—	0.09518
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.91562	0.00000	2.91562	0.01082	0.00647	—	5.11300

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	17.2827	0.00000	17.2827	0.06412	0.03833	—	30.3079

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.32782	0.00000	0.32782	0.00122	0.00073	—	0.57489
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	17.2827	0.00000	17.2827	0.06412	0.03833	—	30.3079
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.32782	0.00000	0.32782	0.00122	0.00073	—	0.57489
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	17.6105	0.00000	17.6105	0.06533	0.03906	—	30.8828
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.86134	0.00000	2.86134	0.01062	0.00635	—	5.01782
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.05427	0.00000	0.05427	0.00020	0.00012	—	0.09518

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.91562	0.00000	2.91562	0.01082	0.00647	—	5.11300

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	171.312	0.00000	171.312	17.1220	0.00000	—	599.362
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.17365	0.00000	1.17365	0.11730	0.00000	—	4.10619
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	171.312	0.00000	171.312	17.1220	0.00000	—	599.362

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.17365	0.00000	1.17365	0.11730	0.00000	—	4.10619
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	28.3626	0.00000	28.3626	2.83474	0.00000	—	99.2312
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.19431	0.00000	0.19431	0.01942	0.00000	—	0.67983
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	28.5570	0.00000	28.5570	2.85416	0.00000	—	99.9111

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	171.312	0.00000	171.312	17.1220	0.00000	—	599.362

Regional	—	—	—	—	—	—	—	—	—	—	—	1.17365	0.00000	1.17365	0.11730	0.00000	—	4.10619
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	171.312	0.00000	171.312	17.1220	0.00000	—	599.362
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.17365	0.00000	1.17365	0.11730	0.00000	—	4.10619
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	172.486	0.00000	172.486	17.2393	0.00000	—	603.468
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	28.3626	0.00000	28.3626	2.83474	0.00000	—	99.2312
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.19431	0.00000	0.19431	0.01942	0.00000	—	0.67983

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	28.5570	0.00000	28.5570	2.85416	0.00000	—	99.9111

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.36675	3.36675
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00996	0.00996
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.36675	3.36675
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00996	0.00996

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.55740	0.55740
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00165	0.00165
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.55905	0.55905

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.36675	3.36675
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00996	0.00996
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.36675	3.36675

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00996	0.00996
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.37671	3.37671
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.55740	0.55740
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00165	0.00165
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.55905	0.55905

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10882	0.09903	0.44289	0.25253	0.00048	0.01457	0.00000	0.01457	0.01457	0.00000	0.01457	0.00000	45.9623	45.9623	0.00185	0.00036	0.00000	46.1157
Total	0.10882	0.09903	0.44289	0.25253	0.00048	0.01457	0.00000	0.01457	0.01457	0.00000	0.01457	0.00000	45.9623	45.9623	0.00185	0.00036	0.00000	46.1157

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.(

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10882	0.09903	0.44289	0.25253	0.00048	0.01457	0.00000	0.01457	0.01457	0.00000	0.01457	0.00000	45.9623	45.9623	0.00185	0.00036	0.00000	46.1157
Total	0.10882	0.09903	0.44289	0.25253	0.00048	0.01457	0.00000	0.01457	0.01457	0.00000	0.01457	0.00000	45.9623	45.9623	0.00185	0.00036	0.00000	46.1157

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,242.70	1,118.00	933.100	430,940	9,556.70	8,597.72	7,175.79	3,314,043
Regional Shopping Center	113.157	138.253	63.2570	40,009.1	501.689	685.501	313.648	182,896

Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,242.70	1,118.00	933.100	430,940	9,556.70	8,597.72	7,175.79	3,314,043
Regional Shopping Center	113.157	138.253	63.2570	40,009.1	501.689	685.501	313.648	182,896
Unenclosed Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Apartments Mid Rise	Wood Fireplaces	0	0
Apartments Mid Rise	Gas Fireplaces	0	0
Apartments Mid Rise	Propane Fireplaces	0	0
Apartments Mid Rise	Electric Fireplaces	0	0
Apartments Mid Rise	No Fireplaces	0	0
Apartments Mid Rise	Conventional Wood Stoves	0	0
Apartments Mid Rise	Catalytic Wood Stoves	0	0
Apartments Mid Rise	Non-Catalytic Wood Stoves	0	0
Apartments Mid Rise	Pellet Wood Stoves	0	0
Regional Shopping Center	Wood Fireplaces	0	0
Regional Shopping Center	Gas Fireplaces	0	0
Regional Shopping Center	Propane Fireplaces	0	0

Regional Shopping Center	Electric Fireplaces	0	0
Regional Shopping Center	No Fireplaces	0	0
Regional Shopping Center	Conventional Wood Stoves	0	0
Regional Shopping Center	Catalytic Wood Stoves	0	0
Regional Shopping Center	Non-Catalytic Wood Stoves	0	0
Regional Shopping Center	Pellet Wood Stoves	0	0
Unenclosed Parking with Elevator	Wood Fireplaces	0	0
Unenclosed Parking with Elevator	Gas Fireplaces	0	0
Unenclosed Parking with Elevator	Propane Fireplaces	0	0
Unenclosed Parking with Elevator	Electric Fireplaces	0	0
Unenclosed Parking with Elevator	No Fireplaces	0	0
Unenclosed Parking with Elevator	Conventional Wood Stoves	0	0
Unenclosed Parking with Elevator	Catalytic Wood Stoves	0	0
Unenclosed Parking with Elevator	Non-Catalytic Wood Stoves	0	0
Unenclosed Parking with Elevator	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
951,922	317,307	3,111.00	1,037.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,336,142	0.00000	0.0330	0.0040	0.00000
Regional Shopping Center	21,155.4	0.00000	0.0330	0.0040	0.00000
Unenclosed Parking with Elevator	603,255	0.00000	0.0330	0.0040	0.00000

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,336,142	0.00000	0.0330	0.0040	0.00000
Regional Shopping Center	21,155.4	0.00000	0.0330	0.0040	0.00000
Unenclosed Parking with Elevator	603,255	0.00000	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	8,087,407	0.00000
Regional Shopping Center	153,404	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	8,087,407	0.00000
Regional Shopping Center	153,404	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	317.869	0.00000
Regional Shopping Center	2.17770	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	317.869	0.00000
Regional Shopping Center	2.17770	0.00000
Unenclosed Parking with Elevator	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000

Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.14.2. Mitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430.00	0.03750	1.000000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

Emergency Generator	Diesel	2.00000	0.00000	50.0000	1,207.00	0.73000

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.8000	annual days of extreme heat
Extreme Precipitation	4.05000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	10.6600	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatu observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderat received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-20 consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise couple extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter,
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the g four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Ra different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a s representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate ri measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a s representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk redu measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	10.5663
AQ-PM	16.4655
AQ-DPM	80.7841
Drinking Water	61.3838
Lead Risk Housing	99.0170
Pesticides	0.00000
Toxic Releases	25.0563
Traffic	83.8000
Effect Indicators	—
CleanUp Sites	53.9567
Groundwater	55.7197
Haz Waste Facilities/Generators	93.9775
Impaired Water Bodies	90.1302
Solid Waste	0.00000
Sensitive Population	—
Asthma	71.2861
Cardio-vascular	36.8644
Low Birth Weights	79.2789
Socioeconomic Factor Indicators	—
Education	78.3346
Housing	88.2510
Linguistic	55.1495
Poverty	54.0327
Unemployment	49.8568

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	24.18837418
Employed	57.44899269
Median HI	39.71512896
Education	—
Bachelor's or higher	20.18478121
High school enrollment	6.582830746
Preschool enrollment	71.75670474
Transportation	—
Auto Access	71.35891184
Active commuting	63.58270243
Social	—
2-parent households	35.19825484
Voting	43.11561658
Neighborhood	—
Alcohol availability	30.45040421
Park access	37.53368408
Retail density	67.7659438
Supermarket access	94.25125112
Tree canopy	74.33594251
Housing	—
Homeownership	30.16809958
Housing habitability	8.879763891
Low-inc homeowner severe housing cost burden	21.69896061
Low-inc renter severe housing cost burden	12.89618889

Uncrowded housing	2.810214295
Health Outcomes	—
Insured adults	21.95560118
Arthritis	0.0
Asthma ER Admissions	23.4
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	17.1
Cognitively Disabled	74.6
Physically Disabled	59.0
Heart Attack ER Admissions	56.1
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	59.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	56.5

984

Children	18.1
Elderly	84.9
English Speaking	22.2
Foreign-born	82.0
Outdoor Workers	30.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	43.1
Traffic Density	84.0
Traffic Access	69.0
Other Indices	—
Hardship	82.9
Other Decision Support	—
2016 Voting	25.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	77.0000
Healthy Places Index Score for Project Location (b)	34.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	East Palo Alto default clean energy provider is Peninsula Clean Energy. 2024 CO2 intensity used from power content label.
Land Use	Lot acreage for phase 1. Number of dwelling units, square footages, and number of parking spaces from provided plans. Amenity & leasing square footage included in residential square footage.
Construction: Construction Phases	Dates provided by applicant. 6 day/week construction schedule.
Construction: Off-Road Equipment	Defaults modified by the applicant.
Construction: Dust From Material Movement	Soil export provided by applicant. BMPs required by East Palo Alto.
Construction: Trips and VMT	Demolition = Est. 43,000 sf of pavement demo'ed and hauled (4.8 trips/day), Building Cons Est. 251 concrete truck round trips (2.18 trips/day), Paving = Est. 4 asphalt truck round trip (0.4 trips/day).
Construction: On-Road Fugitive Dust	BMPs 15 mph.
Operations: Vehicle Data	Trip gen provided by traffic consultant.
Operations: Hearths	No hearths.
Operations: Energy Use	Project design is all-electric. Confirmed no natural gas by applicant. Convert natural gas to electricity.
Operations: Water and Waste Water	Wastewater treatment 100% aerobic - no septic tanks or lagoons.
Operations: Emergency Generators and Fire Pumps	One 900 kW generator for each phase.

8.2. Project Characteristics

8.2.1. Project Details

Model Parameter	Default Value	New Value

Electric Utility	Pacific Gas & Electric Company	Peninsula Clean Energy

8.2.2. Utility Information

Model Parameter	Units	Default Value	New Value
CO2	lb/MWh	99.9830	0.00000

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	11.3158	4.09000
Building Area	sq. ft	412,800	470,085
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	0.04761	0.00000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	3.88800	0.00000
Building Area	sq. ft	172,800	214,072
Landscape Area	sq. ft	—	0.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Weekday Trip Rate	size/day	5.44000	2.89000
Apartments Mid Rise	Saturday Trip Rate	size/day	4.91000	2.60000
Apartments Mid Rise	Sunday Trip Rate	size/day	4.09000	2.17000
Regional Shopping Center	Weekday Trip Rate	size/day	37.7500	54.5600
Regional Shopping Center	Saturday Trip Rate	size/day	46.1200	66.6600

Regional Shopping Center	Sunday Trip Rate	size/day	21.1000	30.5000

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Default Value	New Value
Apartments Mid Rise	Gas Fireplaces	219	0
Apartments Mid Rise	No Fireplaces	211	0
Apartments Mid Rise	Hours/Day	4	0
Apartments Mid Rise	Days/Year	9	0

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Apartments Mid Rise	Electricity	kWh/yr	1,466,924	1,336,142
Apartments Mid Rise	Electricity (Subject to Title 24)	kWh/yr	360,317	721,584
Apartments Mid Rise	Electricity (Not Subject to Title 24)	kWh/yr	1,106,607	614,558
Apartments Mid Rise	Natural Gas	kBTU/yr	3,785,751	0.00000
Apartments Mid Rise	Natural Gas (Subject to Title 24)	kBTU/yr	3,518,186	0.00000
Apartments Mid Rise	Natural Gas (Not Subject to Title 24)	kBTU/yr	267,565	0.00000
Regional Shopping Center	Electricity	kWh/yr	17,722.3	21,155.4
Regional Shopping Center	Electricity (Subject to Title 24)	kWh/yr	12,511.4	15,881.6
Regional Shopping Center	Electricity (Not Subject to Title 24)	kWh/yr	5,210.85	5,273.77
Regional Shopping Center	Natural Gas	kBTU/yr	11,818.8	0.00000
Regional Shopping Center	Natural Gas (Subject to Title 24)	kBTU/yr	11,578.1	0.00000
Regional Shopping Center	Natural Gas (Not Subject to Title 24)	kBTU/yr	240.743	0.00000

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value

Apartments Mid Rise	Indoor Water	gal/year	15,594,552	8,087,407
Apartments Mid Rise	Treated by Septic Tank	%	10.3300	0.00000
Apartments Mid Rise	Treated by Aerobic Processes	%	87.4600	100.0000
Apartments Mid Rise	Treated by Facultative Lagoons	%	2.21000	0.00000
Regional Shopping Center	Indoor Water	gal/year	153,626	153,404
Regional Shopping Center	Treated by Septic Tank	%	10.3300	0.00000
Regional Shopping Center	Treated by Aerobic Processes	%	87.4600	100.0000
Regional Shopping Center	Treated by Facultative Lagoons	%	2.21000	0.00000
Unenclosed Parking with Elevator	Treated by Septic Tank	%	10.3300	0.00000
Unenclosed Parking with Elevator	Treated by Aerobic Processes	%	87.4600	100.0000
Unenclosed Parking with Elevator	Treated by Facultative Lagoons	%	2.21000	0.00000

8.5.8. Stationary Sources

8.5.8.1. Emergency Generators and Fire Pumps

Equipment Type	Model Parameter	Default Value	New Value
Emergency Generator	Number per Day	1.000000	2.00000

Attachment 2: Project Health Risk Dispersion Modeling Inputs and Risk Calculations

2120 - 2160 Euclid Avenue, East Palo Alto, CA
Construction Health Impact Summary

Maximum Impacts at MEI Location - Without Mitigation

Emissions Year	Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million): Infant/Child	Cancer Risk (per million): Adult	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2027	0.0410	0.1057	7.29	0.12	0.01	0.15
2028	0.0406	0.0239	6.66	0.12	0.01	0.06
2028	0.0216	0.0265	0.56	0.06	0.00	0.05
Total	-	-	**14.51**	**0.30**		-
Maximum	0.0410	0.1057	**-**	**-**	**0.01**	**0.15**

Maximum Impacts at MEI Location - With Mitigation

Emissions Year	Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Cancer Risk (per million): Infant/Child	Cancer Risk (per million): Adult	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2027	0.0037	0.1057	0.66	0.01	0.00	0.11
2028	0.0080	0.0239	1.32	0.02	0.00	0.03
2028	0.0046	0.0265	0.12	0.01	0.00	0.03
Total	-	-	**2.10**	**0.05**	-	-
Maximum	0.0080	0.1057	**-**	**-**	**0.00**	**0.11**

Maximum Impacts at Shining Explorers Daycare - Unmitigated

Construction Year	Unmitigated Emissions: Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Unmitigated Emissions: Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Child Cancer Risk (per million)	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2027	0.0045	0.0082	2.44	0.0009	0.013
2028	0.0112	0.0143	6.09	0.0022	0.025
2029 + 2030	0.0156	0.0200	1.10	0.0031	0.036
Total	-	-	**9.63**	-	-
Maximum	0.0156	0.0200	**-**	**0.0009**	**0.036**

Maximum Impacts at Shining Explorers Daycare - Mitigated

Construction Year	Unmitigated Emissions: Maximum Concentrations: Exhaust PM10/DPM ($\mu g/m^3$)	Unmitigated Emissions: Maximum Concentrations: Fugitive PM2.5 ($\mu g/m^3$)	Child Cancer Risk (per million)	Hazard Index (-)	Maximum Annual PM2.5 Concentration ($\mu g/m^3$)
2026	0.0004	0.0040	0.22	0.0001	0.009
2027	0.0015	0.0038	0.84	0.0003	0.016
2028	0.0034	0.0000	0.24	0.0007	0.023
Total	-	-	**1.29**	-	-
Maximum	0.0034	0.0040	**-**	**0.0001**	**0.023**

2120 - 2160 Euclid Ave, East Palo Alto, CA

DPM Emissions and Modeling Emission Rates - Phase 1 Unmitigated

Construction Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2027	Construction	0.0441	CON_DPM	88.2	0.02570	3.24E-03	7,430	4.36E-07
2028	Construction	0.0318	CON_DPM	63.6	0.01854	2.34E-03	7,430	3.14E-07
Total		***0.0759***		***151.9***	***0.0442***	***0.0056***		

Construction Hours
hr/day = 11 (7am - 6pm)
days/yr = 312
hours/year = 3432

DPM Construction Emissions and Modeling Emission Rates - Phase 1 With Mitigation

Construction Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2027	Construction	0.0040	CON_DPM	8.0	0.00234	2.95E-04	7,430	3.97E-08
2028	Construction	0.0075	CON_DPM	15.0	0.00437	5.50E-04	7,430	7.40E-08
Total		***0.0115***		***23.0***	***0.0067***	***0.0008***		

Construction Hours
hr/day = 11 (7am - 6pm)
days/yr = 312
hours/year = 3432

2120 - 2160 Euclid Ave, East Palo Alto, CA

PM2.5 Fugitive Dust Emissions for Modeling - Phase 1 Unmitigated

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2027	Construction	CON_FUG	0.0777	155.5	0.04529	5.71E-03	7,430	7.68E-07
2028	Construction	CON_FUG	0.0041	8.1	0.00237	2.99E-04	7,430	4.02E-08
Total			***0.0818***	***163.6***	***0.0477***	***0.0060***		

Construction Hours
hr/day = 11 (7am - 6pm)
days/yr = 312
hours/year = 3432

PM2.5 Fugitive Dust Construction Emissions for Modeling - Phase 1 With Mitigation

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2027	Construction	CON_FUG	0.0777	155.5	0.04529	5.71E-03	7,430	7.68E-07
2028	Construction	CON_FUG	0.0041	8.1	0.00237	2.99E-04	7,430	4.02E-08
Total			***0.0818***	***163.6***	***0.0477***	***0.0060***		

Construction Hours
hr/day = 11 (7am - 6pm)
days/yr = 312
hours/year = 3432

2120 - 2160 Euclid Ave, East Palo Alto, CA

DPM Emissions and Modeling Emission Rates - Phase 2 Unmitigated

Construction Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2028	Construction	0.0253	CON_DPM	50.5	0.01471	1.85E-03	8,493	2.18E-07
2029 + 2030	Construction	0.0494	CON_DPM	98.8	0.02878	3.63E-03	8,493	4.27E-07
Total		***0.0746***		***149.3***	***0.0435***	***0.0055***		

Construction Hours
hr/day = 11 (7am - 6pm)
days/yr = 312
hours/year = 3432

DPM Construction Emissions and Modeling Emission Rates - Phase 2 With Mitigation

Construction Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2028	Construction	0.0025	CON_DPM	4.9	0.00144	1.81E-04	8,493	2.13E-08
2029 + 2030	Construction	0.0106	CON_DPM	21.2	0.00618	7.79E-04	8,493	9.17E-08
Total		***0.0131***		***26.1***	***0.0076***	***0.0010***		

Construction Hours
hr/day = 11 (7am - 6pm)
days/yr = 312
hours/year = 3432

2120 - 2160 Euclid Ave, East Palo Alto, CA

PM2.5 Fugitive Dust Emissions for Modeling - Phase 2 Unmitigated

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2028	Construction	CON_FUG	0.0386	77.2	0.02249	2.83E-03	8,493	3.34E-07
2029 + 2030	Construction	CON_FUG	0.0558	111.7	0.03254	4.10E-03	8,493	4.83E-07
Total			***0.0944***	***188.9***	***0.0550***	***0.0069***		

Construction Hours
hr/day = 11 (7am - 6pm)
days/yr = 312
hours/year = 3432

PM2.5 Fugitive Dust Construction Emissions for Modeling - Phase 2 With Mitigation

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2028	Construction	CON_FUG	0.0386	77.2	0.02249	2.83E-03	8,493	3.34E-07
2029 + 2030	Construction	CON_FUG	0.0558	111.7	0.03254	4.10E-03	8,493	4.83E-07
Total			***0.0944***	***188.9***	***0.0550***	***0.0069***		

Construction Hours
hr/day = 11 (7am - 6pm)
days/yr = 312
hours/year = 3432

2120 - 2160 Euclid Ave, East Palo Alto, CA - Construction Impacts - Without Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction
Impacts at Off-Site MEI Location - 4.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information			Infant/Child	Adult - Exposure Information			Adult	Maximum		
			DPM Conc (ug/m3)		Age	Cancer	Modeled DPM Conc (ug/m3)		Age	Cancer			
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Year**	**Annual**	**Sensitivity Factor**	**Risk (per million)**	**Hazard Index**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2027	0.0256	10	0.35	2027	0.0256	-	-			
1	1	0 - 1	2027	0.0256	10	4.20	2027	0.0256	1	0.07	0.01	0.05	0.07
2	1	1 - 2	2028	0.0237	10	3.90	2028	0.0237	1	0.07	0.00	0.01	0.03
3	1	2 - 3	2029 + 2030	0.0104	3	0.27	2029 + 2030	0.0104	1	0.03	0.00	0.01	0.02
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**8.72**				**0.17**			

* Third trimester of pregnancy

2120 - 2160 Euclid Ave, East Palo Alto, CA - Construction Impacts - Without Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction
Impacts at Off-Site MEI Location - 1.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information				Adult - Exposure Information				Maximum		
			DPM Conc (ug/m3)				Modeled DPM Conc (ug/m3)						
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Age Sensitivity Factor**	**Infant/Child Cancer Risk (per million)**	**Year**	**Annual**	**Age Sensitivity Factor**	**Adult Cancer Risk (per million)**	**Hazard Index**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2027	0.0410	10	0.56	2027	0.0410	-	-			
1	1	0 - 1	2027	0.0410	10	6.73	2027	0.0410	1	0.12	0.01	0.11	0.15
2	1	1 - 2	2028	0.0406	10	6.66	2028	0.0406	1	0.12	0.01	0.02	0.06
3	1	2 - 3	2029 + 2030	0.0216	3	0.56	2029 + 2030	0.0216	1	0.06	0.00	0.03	0.05
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**14.51**				**0.30**			

* Third trimester of pregnancy

2120 - 2160 Euclid Ave, East Palo Alto, CA - Construction Impacts - With Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction
Impacts at Off-Site MEI Location - 4.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information				Adult - Exposure Information				Maximum		
			DPM Conc (ug/m3)		Age	Infant/Child	Modeled DPM Conc (ug/m3)		Age	Adult			
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Sensitivity Factor**	**Cancer Risk (per million)**	**Year**	**Annual**	**Sensitivity Factor**	**Cancer Risk (per million)**	**Hazard Index**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2027	0.0023	10	0.03	2027	0.0023	-	-			
1	1	0 - 1	2027	0.0023	10	0.38	2027	0.0023	1	0.01	0.000	0.05	0.05
2	1	1 - 2	2028	0.0049	10	0.80	2028	0.0049	1	0.01	0.001	0.01	0.02
3	1	2 - 3	2029 + 2030	0.0022	3	0.06	2029 + 2030	0.0022	1	0.01	0.000	0.01	0.01
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**1.27**				**0.03**			

* Third trimester of pregnancy

2120 - 2160 Euclid Ave, East Palo Alto, CA - Construction Impacts - With Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction
Impacts at Off-Site MEI Location - 1.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information				Adult - Exposure Information				Maximum		
			DPM Conc (ug/m3)		Age	Infant/Child	Modeled DPM Conc (ug/m3)		Age	Adult			
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Annual**	**Sensitivity Factor**	**Cancer Risk (per million)**	**Year**	**Annual**	**Sensitivity Factor**	**Cancer Risk (per million)**	**Hazard Index**	**Fugitive PM2.5**	**Total PM2.5**
0	0.25	-0.25 - 0*	2027	0.0037	10	0.05	2027	0.0037	-	-			
1	1	0 - 1	2027	0.0037	10	0.61	2027	0.0037	1	0.01	0.001	0.11	0.11
2	1	1 - 2	2028	0.0080	10	1.32	2028	0.0080	1	0.02	0.002	0.02	0.03
3	1	2 - 3	2029 + 2030	0.0046	3	0.12	2029 + 2030	0.0046	1	0.01	0.001	0.03	0.03
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**2.10**				**0.05**			

* Third trimester of pregnancy

2120 - 2160 Euclid Ave, East Palo Alto, CA - Construction Impacts - Without Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction
Impacts at Shining Explorers Day Care - 1 meter - Infant Exposure

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SCAF x 8-Hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SCAF = School Child Adjustment Factor (unitless) for source operation and exposures different than 8 hours/day
= (24/SHR) x (7days/SDay) x (SCHR/8 hrs)
SHR = Hours/day of emission source operation
SDay = Number of days per week of source operation
SCHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant	Child
Age -->	**0 - <2**	**2 - <16**
Parameter		
ASF =	10	3
DPM CPF =	1.10E+00	1.10E+00
8-Hr BR* =	1200	520
SCHR =	9	9
SHR =	9	9
SDay =	5	5
A =	1	1
EF =	250	250
AT =	70	70
SCAF =	4.20	4.20

* 95th percentile 8-hr breathing rates for moderate intensity activities

Construction Cancer Risk by Year - Maximum Preschool Impact Receptor Location

Exposure Year	Exposure Duration (years)	Age	Child - Exposure Information: DPM Conc (ug/m3) Year	DPM Conc (ug/m3) Annual	Age* Sensitivity Factor	Child Cancer Risk (per million)	Maximum Hazard Index	Maximum Fugitive PM2.5	Maximum Total PM2.5
1	1	0 - 1	2027	0.0045	10	2.44	0.0009	0.008	0.01
2	1	1 - 2	2028	0.0112	10	6.09	0.0022	0.014	0.03
3	1	2 - 3	2029 + 2030	0.0156	3	1.10	0.0031	0.020	0.04
Total Increased Cancer Risk						**9.63**			

* Children assumed to be 6 weeks of age with 3 years of exposure to construction emissions

2120 - 2160 Euclid Ave, East Palo Alto, CA - Construction Impacts - With Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction
Impacts at Shining Explorers Day Care - 1 meter - Infant Exposure

Student Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)

Inhalation Dose = C_{air} x SCAF x 8-Hr BR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
SCAF = School Child Adjustment Factor (unitless) for source operation and exposures different than 8 hours/day
= (24/SHR) x (7days/SDay) x (SCHR/8 hrs)
SHR = Hours/day of emission source operation
SDay = Number of days per week of source operation
SCHR = School operation hours while emission source in operation
8-Hr BR = Eight-hour breathing rate (L/kg body weight-per 8 hrs)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant	Child
Age -->	**0 - <2**	**2 - <16**
Parameter		
ASF =	10	3
DPM CPF =	1.10E+00	1.10E+00
8-Hr BR* =	1200	520
SCHR =	9	9
SHR =	9	9
SDay =	5	5
A =	1	1
EF =	250	250
AT =	70	70
SCAF =	4.20	4.20

* 95th percentile 8-hr breathing rates for moderate intensity activities

Construction Cancer Risk by Year - Maximum Preschool Impact Receptor Location

Exposure Year	Exposure Duration (years)	Age	Child - Exposure Information: DPM Conc (ug/m3) Year	DPM Conc (ug/m3) Annual	Age* Sensitivity Factor	Child Cancer Risk (per million)	Maximum Hazard Index	Maximum Fugitive PM2.5	Maximum Total PM2.5
1	1	0 - 1	2026	0.0004	10	0.22	0.0001	0.004	0.01
2	1	1 - 2	2027	0.0015	10	0.84	0.0003	0.004	0.02
3	1	2 - 3	2028	0.0034	3	0.24	0.0007	0.000	0.02
Total Increased Cancer Risk						**1.29**			

* Children assumed to be 1 year of age with 3 years of exposure to construction emissions

2120 -2160 Euclid Ave, East Palo Alto, CA - Construction Impacts - With Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction
Impacts at On-Site Max TAC Location - 8.8 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information			Infant/Child	Adult - Exposure Information			Adult			
							Modeled						Maximum
Exposure	**Exposure Duration**		**DPM Conc (ug/m3)**		**Age Sensitivity**	**Cancer Risk**	**DPM Conc (ug/m3)**		**Age Sensitivity**	**Cancer Risk**	**Hazard**	**Fugitive**	**Total**
Year	**(years)**	**Age**	**Year**	**Annual**	**Factor**	**(per million)**	**Year**	**Annual**	**Factor**	**(per million)**	**Index**	**PM2.5**	**PM2.5**
0	0.25	-0.25 - 0*	2028	0.0119	10	0.16	2028	0.0119	-	-			
1	1	0 - 1	2028	0.0119	10	1.96	2028	0.0119	1	0.03	0.00	0.14	0.15
2	1	1 - 2	2029 + 2030	0.0514	10	8.44	2029 + 2030	0.0514	1	0.15	0.01	0.20	0.25
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00			
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**10.56**				**0.18**			
* Third trimester of pregnancy					**With MERV13**	**3.17**							

2120 -2160 Euclid Ave, East Palo Alto, CA - Construction Impacts - With Mitigation
Maximum DPM Cancer Risk and PM2.5 Calculations From Construction
Impacts at On-Site Max TAC Location - 5.5 meter receptor height

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
CPF =	1.10E+00	1.10E+00	1.10E+00	1.10E+00
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

			Infant/Child - Exposure Information				Adult - Exposure Information						
							Modeled					Maximum	
Exposure	**Exposure Duration**		**DPM Conc (ug/m3)**		**Age Sensitivity**	**Infant/Child Cancer Risk**	**DPM Conc (ug/m3)**		**Age Sensitivity**	**Adult Cancer Risk**	**Hazard**	**Fugitive**	**Total**
Year	**(years)**	**Age**	**Year**	**Annual**	**Factor**	**(per million)**	**Year**	**Annual**	**Factor**	**(per million)**	**Index**	**PM2.5**	**PM2.5**
0	0.25	-0.25 - 0*	2028	0.0142	10	0.19	2028	0.0142	-	-			
1	1	0 - 1	2028	0.0142	10	2.33	2028	0.0142	1	0.04	0.00	0.21	0.22
2	1	1 - 2	2029 + 2030	0.0642	10	10.55	2029 + 2030	0.0642	1	0.18	0.01	0.30	0.37
3	1	2 - 3		0.0000	3	0.00		0.0000	1	0.00			
4	1	3 - 4		0.0000	3	0.00		0.0000	1	0.00			
5	1	4 - 5		0.0000	3	0.00		0.0000	1	0.00			
6	1	5 - 6		0.0000	3	0.00		0.0000	1	0.00			
7	1	6 - 7		0.0000	3	0.00		0.0000	1	0.00			
8	1	7 - 8		0.0000	3	0.00		0.0000	1	0.00			
9	1	8 - 9		0.0000	3	0.00		0.0000	1	0.00			
10	1	9 - 10		0.0000	3	0.00		0.0000	1	0.00			
11	1	10 - 11		0.0000	3	0.00		0.0000	1	0.00			
12	1	11 - 12		0.0000	3	0.00		0.0000	1	0.00			
13	1	12 - 13		0.0000	3	0.00		0.0000	1	0.00			
14	1	13 - 14		0.0000	3	0.00		0.0000	1	0.00			
15	1	14 - 15		0.0000	3	0.00		0.0000	1	0.00			
16	1	15 - 16		0.0000	3	0.00		0.0000	1	0.00			
17	1	16-17		0.0000	1	0.00		0.0000	1	0.00			
18	1	17-18		0.0000	1	0.00		0.0000	1	0.00			
19	1	18-19		0.0000	1	0.00		0.0000	1	0.00			
20	1	19-20		0.0000	1	0.00		0.0000	1	0.00			
21	1	20-21		0.0000	1	0.00		0.0000	1	0.00			
22	1	21-22		0.0000	1	0.00		0.0000	1	0.00			
23	1	22-23		0.0000	1	0.00		0.0000	1	0.00			
24	1	23-24		0.0000	1	0.00		0.0000	1	0.00			
25	1	24-25		0.0000	1	0.00		0.0000	1	0.00			
26	1	25-26		0.0000	1	0.00		0.0000	1	0.00			
27	1	26-27		0.0000	1	0.00		0.0000	1	0.00			
28	1	27-28		0.0000	1	0.00		0.0000	1	0.00			
29	1	28-29		0.0000	1	0.00		0.0000	1	0.00			
30	1	29-30		0.0000	1	0.00		0.0000	1	0.00			
Total Increased Cancer Risk						**13.07**				**0.23**			
* Third trimester of pregnancy					**With MERV13**	**3.92**							

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Receptor								2027	2028	2029 +2030		2030 - 2056	2027	2028	2029 +2030	2026 - 2028	2030 - 2056	2027 - 2056	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 +2030		Construction				Generator	Construction			Total Con	GEN	Total	
(m)	(m)	(m)	Height (m)					DPM	DPM	DPM		DPM	Risk	Risk	Risk	Risk	Risk	Risk	
54	575641.98	4146853.36	1	0.00551	0.01089	0.01356		0.00551	0.01089	0.01356		0.00165	2.99	0.77	0.35	4.11	0.62	4.73	Apolo
55	575643.58	4146865.97	1	0.0048	0.01002	0.01285		0.0048	0.01002	0.01285		0.00159	2.60	0.71	0.33	3.64	0.60	4.24	Apolo
56	575671.79	4146829.04	1.5	0.00598	0.01447	0.0199		0.00598	0.01447	0.0199		0.00176	1.06	2.38	0.51	3.95	0.66	4.62	
57	575652.07	4146834.32	1.5	0.00638	0.01276	0.016		0.00638	0.01276	0.016		0.00172	1.13	2.10	0.41	3.64	0.65	4.29	
58	575661.24	4146866.43	1.5	0.00424	0.01015	0.0139		0.00424	0.01015	0.0139		0.00148	0.75	1.67	0.36	2.78	0.56	3.34	
59	575727.07	4146897.63	1.5	0.002	0.00516	0.00728		0.002	0.00516	0.00728		0.00071	0.36	0.85	0.19	1.39	0.27	1.66	
60	575712.62	4146898.77	1.5	0.00216	0.0057	0.00811		0.00216	0.0057	0.00811		0.00077	0.38	0.94	0.21	1.53	0.29	1.82	
61	575696.8	4146906.57	1.5	0.00224	0.00582	0.00823		0.00224	0.00582	0.00823		0.00083	0.40	0.96	0.21	1.57	0.31	1.88	
62	575679.13	4146910.01	1.5	0.00246	0.00621	0.00869		0.00246	0.00621	0.00869		0.00095	0.44	1.02	0.22	1.68	0.36	2.04	
63	575661.7	4146907.26	1.5	0.00284	0.00686	0.00941		0.00284	0.00686	0.00941		0.00112	0.51	1.13	0.24	1.88	0.42	2.30	
64	575772.95	4146895.1	1.5	0.00157	0.0036	0.00485		0.00157	0.0036	0.00485		0.00057	0.28	0.59	0.13	1.00	0.21	1.21	
65	575797.72	4146903.13	1.5	0.00129	0.00275	0.00356		0.00129	0.00275	0.00356		0.0005	0.23	0.45	0.09	0.77	0.19	0.96	
66	575797.49	4146915.75	1.5	0.00121	0.00249	0.00317		0.00121	0.00249	0.00317		0.00049	0.22	0.41	0.08	0.71	0.18	0.89	
67	575811.03	4146902.22	1.5	0.00121	0.00251	0.00321		0.00121	0.00251	0.00321		0.00048	0.22	0.41	0.08	0.71	0.18	0.89	
68	575826.62	4146901.53	1.5	0.00111	0.00225	0.00285		0.00111	0.00225	0.00285		0.00045	0.20	0.37	0.07	0.64	0.17	0.81	
69	575845.2	4146899	1.5	0.00102	0.00202	0.00253		0.00102	0.00202	0.00253		0.00043	0.18	0.33	0.07	0.58	0.16	0.74	
70	575861.95	4146897.4	1.5	0.00095	0.00185	0.00229		0.00095	0.00185	0.00229		0.00042	0.17	0.30	0.06	0.53	0.16	0.69	
71	575938.01	4146807.39	1.5	0.00125	0.00281	0.00374		0.00125	0.00281	0.00374		0.00057	0.22	0.46	0.10	0.78	0.21	1.00	
72	575936.93	4146794.44	1.5	0.00139	0.00322	0.00435		0.00139	0.00322	0.00435		0.00061	0.25	0.53	0.11	0.89	0.23	1.12	
73	575937.2	4146780.94	1.5	0.00155	0.00371	0.00507		0.00155	0.00371	0.00507		0.00067	0.28	0.61	0.13	1.02	0.25	1.27	
74	575939.36	4146762.59	1.5	0.00181	0.00445	0.00617		0.00181	0.00445	0.00617		0.00075	0.32	0.73	0.16	1.21	0.28	1.49	
75	575930.45	4146687.84	1.5	0.00386	0.01024	0.01461		0.00386	0.01024	0.01461		0.00115	0.69	1.68	0.38	2.75	0.43	3.18	
76	575942.05	4146674.08	1.5	0.00406	0.00983	0.01353		0.00406	0.00983	0.01353		0.0012	0.72	1.61	0.35	2.69	0.45	3.14	
77	575930.72	4146663.56	1.5	0.00489	0.01207	0.01675		0.00489	0.01207	0.01675		0.00128	0.87	1.98	0.43	3.29	0.48	3.77	
78	575932.34	4146644.13	1.5	0.00577	0.01326	0.01785		0.00577	0.01326	0.01785		0.00139	1.03	2.18	0.46	3.67	0.52	4.19	
79	575957.44	4146643.32	1.5	0.00466	0.00978	0.01257		0.00466	0.00978	0.01257		0.00131	0.83	1.61	0.33	2.76	0.49	3.25	
80	575990.36	4146639.81	1.5	0.0037	0.00715	0.00877		0.0037	0.00715	0.00877		0.00124	0.66	1.17	0.23	2.06	0.47	2.53	
81	575991.44	4146655.19	1.5	0.00331	0.00662	0.00829		0.00331	0.00662	0.00829		0.00119	0.59	1.09	0.21	1.89	0.45	2.34	
82	575990.9	4146669.22	1.5	0.00302	0.00621	0.00791		0.00302	0.00621	0.00791		0.00114	0.54	1.02	0.20	1.76	0.43	2.19	
83	575991.17	4146684.06	1.5	0.00271	0.00571	0.00736		0.00271	0.00571	0.00736		0.00108	0.48	0.94	0.19	1.61	0.41	2.02	
84	575990.9	4146699.72	1.5	0.00242	0.00518	0.00674		0.00242	0.00518	0.00674		0.00102	0.43	0.85	0.17	1.46	0.38	1.84	
85	575990.63	4146715.1	1.5	0.00217	0.00467	0.00609		0.00217	0.00467	0.00609		0.00095	0.39	0.77	0.16	1.31	0.36	1.67	
86	575991.44	4146730.48	1.5	0.00193	0.00414	0.00539		0.00193	0.00414	0.00539		0.00088	0.34	0.68	0.14	1.16	0.33	1.49	
87	575993.06	4146747.21	1.5	0.00169	0.0036	0.00466		0.00169	0.0036	0.00466		0.00082	0.30	0.59	0.12	1.01	0.31	1.32	
88	575989.01	4146763.13	1.5	0.00153	0.00325	0.0042		0.00153	0.00325	0.0042		0.00075	0.27	0.53	0.11	0.91	0.28	1.20	
89	575991.17	4146775.28	1.5	0.00138	0.00291	0.00374		0.00138	0.00291	0.00374		0.00071	0.25	0.48	0.10	0.82	0.27	1.09	
90	575988.47	4146790.66	1.5	0.00125	0.0026	0.00333		0.00125	0.0026	0.00333		0.00066	0.22	0.43	0.09	0.74	0.25	0.98	
91	575969.58	4146793.9	1.5	0.00128	0.00276	0.0036		0.00128	0.00276	0.0036		0.00064	0.23	0.45	0.09	0.77	0.24	1.01	
92	575990.9	4146808.47	1.5	0.00109	0.00222	0.00282		0.00109	0.00222	0.00282		0.00061	0.19	0.36	0.07	0.63	0.23	0.86	
93	575991.98	4146821.96	1.5	0.00099	0.00199	0.0025		0.00099	0.00199	0.0025		0.00057	0.18	0.33	0.06	0.57	0.21	0.78	
94	575994.14	4146835.18	1.5	0.0009	0.00178	0.00222		0.0009	0.00178	0.00222		0.00054	0.16	0.29	0.06	0.51	0.20	0.71	
95	575994.95	4146847.6	1.5	0.00083	0.00162	0.00199		0.00083	0.00162	0.00199		0.00051	0.15	0.27	0.05	0.47	0.19	0.66	
96	575979.56	4146845.71	1.5	0.00087	0.00172	0.00214		0.00087	0.00172	0.00214		0.0005	0.15	0.28	0.06	0.49	0.19	0.68	
97	575965.53	4146846.25	1.5	0.00089	0.00179	0.00224		0.00089	0.00179	0.00224		0.00049	0.16	0.29	0.06	0.51	0.18	0.69	
98	575971.47	4146827.36	1.5	0.001	0.00205	0.00261		0.001	0.00205	0.00261		0.00054	0.18	0.34	0.07	0.58	0.20	0.79	
99	575955.01	4146781.21	1.5	0.00147	0.00335	0.00448		0.00147	0.00335	0.00448		0.00067	0.26	0.55	0.12	0.93	0.25	1.18	
100	575955.55	4146789.58	1.5	0.00137	0.00308	0.00409		0.00137	0.00308	0.00409		0.00064	0.24	0.51	0.11	0.86	0.24	1.10	
101	575636.73	4146441.87	1.5	0.00868	0.00889	0.00517		0.00868	0.00889	0.00517		0.00092	1.54	1.46	0.13	3.14	0.35	3.48	
102	575643.67	4146440.98	1.5	0.00985	0.00997	0.00562		0.00985	0.00997	0.00562		0.00097	1.75	1.64	0.15	3.53	0.37	3.90	
103	575650.61	4146440.09	1.5	0.01119	0.01117	0.0061		0.01119	0.01117	0.0061		0.00103	1.99	1.83	0.16	3.98	0.39	4.37	
104	575642.32	4146457.14	1.5	0.01001	0.01016	0.00578		0.01001	0.01016	0.00578		0.00095	1.78	1.67	0.15	3.60	0.36	3.96	
105	575649.27	4146456.25	1.5	0.0115	0.0115	0.00631		0.0115	0.0115	0.00631		0.00101	2.05	1.89	0.16	4.10	0.38	4.48	
106	575656.21	4146455.37	1.5	0.01323	0.01304	0.00688		0.01323	0.01304	0.00688		0.00108	2.35	2.14	0.18	4.67	0.41	5.08	
107	575640.18	4146473.71	1.5	0.00986	0.0101	0.00587		0.00986	0.0101	0.00587		0.00091	1.75	1.66	0.15	3.56	0.34	3.91	

Receptor								2027	2028	2029 +2030		2030 - 2056	2027	2028	2029 +2030	2026 - 2028	2030 - 2056	2027 - 2056	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 +2030		Construction				Generator	Construction			Total Con	GEN	Total	
(m)	(m)	(m)	Height (m)					DPM	DPM	DPM		DPM	Risk	Risk	Risk	Risk	Risk	Risk	
108	575647.12	4146472.83	1.5	0.01146	0.01154	0.00644		0.01146	0.01154	0.00644		0.00098	2.04	1.90	0.17	4.10	0.37	4.47	
109	575654.07	4146471.94	1.5	0.01335	0.01323	0.00706		0.01335	0.01323	0.00706		0.00104	2.37	2.17	0.18	4.73	0.39	5.12	
110	575690.09	4146429.45	1.5	0.0221	0.02074	0.00945		0.0221	0.02074	0.00945		0.00147	3.93	3.41	0.24	7.58	0.55	8.13	
111	575697.04	4146428.57	1.5	0.02486	0.02312	0.01023		0.02486	0.02312	0.01023		0.00157	4.42	3.80	0.26	8.48	0.59	9.07	
112	575703.98	4146427.68	1.5	0.02784	0.0257	0.01106		0.02784	0.0257	0.01106		0.00168	4.95	4.22	0.29	9.46	0.63	10.09	
113	575689.51	4146416	1.5	0.01981	0.01876	0.00881		0.01981	0.01876	0.00881		0.00145	3.52	3.08	0.23	6.83	0.55	7.38	
114	575696.45	4146415.11	1.5	0.02209	0.02076	0.0095		0.02209	0.02076	0.0095		0.00154	3.93	3.41	0.25	7.58	0.58	8.16	
115	575703.39	4146414.23	1.5	0.02456	0.02292	0.01024		0.02456	0.02292	0.01024		0.00164	4.37	3.76	0.26	8.40	0.62	9.01	
116	575815.09	4146785.68	1	0.00269	0.00978	0.01537		0.00269	0.00978	0.01537		0.00073	1.46	5.31	1.08	7.85	0.27	8.12	YMCA
117	575822.08	4146785.51	1	0.00255	0.00895	0.01394		0.00255	0.00895	0.01394		0.00072	1.38	4.86	0.98	7.22	0.27	7.49	YMCA
118	575829.08	4146785.35	1	0.00242	0.00825	0.01273		0.00242	0.00825	0.01273		0.00072	1.31	4.48	0.90	6.69	0.27	6.96	YMCA
119	575836.08	4146785.18	1	0.00231	0.00763	0.01168		0.00231	0.00763	0.01168		0.00071	1.25	4.14	0.82	6.22	0.27	6.48	YMCA
120	575843.08	4146785.01	1	0.00222	0.0071	0.01078		0.00222	0.0071	0.01078		0.0007	1.20	3.85	0.76	5.82	0.26	6.08	YMCA
121	575850.08	4146784.84	1	0.00213	0.00663	0.00998		0.00213	0.00663	0.00998		0.00069	1.16	3.60	0.70	5.46	0.26	5.72	YMCA
122	575815.25	4146792.68	1	0.00252	0.00858	0.01323		0.00252	0.00858	0.01323		0.00068	1.37	4.65	0.93	6.95	0.26	7.21	YMCA
123	575822.25	4146792.51	1	0.00239	0.00787	0.01205		0.00239	0.00787	0.01205		0.00067	1.30	4.27	0.85	6.42	0.25	6.67	YMCA
124	575829.25	4146792.34	1	0.00228	0.00729	0.01106		0.00228	0.00729	0.01106		0.00067	1.24	3.95	0.78	5.97	0.25	6.22	YMCA
125	575836.25	4146792.17	1	0.00218	0.00678	0.0102		0.00218	0.00678	0.0102		0.00066	1.18	3.68	0.72	5.58	0.25	5.83	YMCA
126	575843.25	4146792.01	1	0.00209	0.00633	0.00946		0.00209	0.00633	0.00946		0.00065	1.13	3.43	0.67	5.23	0.24	5.48	YMCA
127	575850.24	4146791.84	1	0.00201	0.00593	0.0088		0.00201	0.00593	0.0088		0.00064	1.09	3.22	0.62	4.93	0.24	5.17	YMCA
128	575815.42	4146799.68	1	0.00237	0.00758	0.01151		0.00237	0.00758	0.01151		0.00065	1.29	4.11	0.81	6.21	0.24	6.45	YMCA
129	575822.42	4146799.51	1	0.00225	0.00699	0.01052		0.00225	0.00699	0.01052		0.00063	1.22	3.79	0.74	5.75	0.24	5.99	YMCA
130	575829.42	4146799.34	1	0.00215	0.0065	0.00969		0.00215	0.0065	0.00969		0.00062	1.17	3.53	0.68	5.38	0.23	5.61	YMCA
131	575836.42	4146799.17	1	0.00205	0.00607	0.00898		0.00205	0.00607	0.00898		0.00062	1.11	3.29	0.63	5.04	0.23	5.27	YMCA
132	575843.41	4146799	1	0.00197	0.00569	0.00836		0.00197	0.00569	0.00836		0.00061	1.07	3.09	0.59	4.74	0.23	4.97	YMCA
133	575850.41	4146798.84	1	0.00189	0.00535	0.00781		0.00189	0.00535	0.00781		0.0006	1.03	2.90	0.55	4.48	0.23	4.70	YMCA
134	575815.59	4146806.68	1	0.00224	0.00677	0.0101		0.00224	0.00677	0.0101		0.00062	1.22	3.67	0.71	5.60	0.23	5.83	YMCA
135	575822.59	4146806.51	1	0.00213	0.00626	0.00927		0.00213	0.00626	0.00927		0.0006	1.16	3.40	0.65	5.21	0.23	5.43	YMCA
136	575829.59	4146806.34	1	0.00203	0.00583	0.00857		0.00203	0.00583	0.00857		0.00059	1.10	3.16	0.60	4.87	0.22	5.09	YMCA
137	575836.58	4146806.17	1	0.00194	0.00547	0.00797		0.00194	0.00547	0.00797		0.00058	1.05	2.97	0.56	4.58	0.22	4.80	YMCA
138	575843.58	4146806	1	0.00186	0.00514	0.00744		0.00186	0.00514	0.00744		0.00058	1.01	2.79	0.52	4.32	0.22	4.54	YMCA
139	575850.58	4146805.83	1	0.00179	0.00485	0.00698		0.00179	0.00485	0.00698		0.00057	0.97	2.63	0.49	4.09	0.21	4.31	YMCA
140	575815.76	4146813.67	1	0.00211	0.00609	0.00894		0.00211	0.00609	0.00894		0.00059	1.14	3.30	0.63	5.08	0.22	5.30	YMCA
141	575822.76	4146813.51	1	0.00201	0.00566	0.00824		0.00201	0.00566	0.00824		0.00058	1.09	3.07	0.58	4.74	0.22	4.96	YMCA
142	575829.76	4146813.34	1	0.00192	0.00528	0.00764		0.00192	0.00528	0.00764		0.00057	1.04	2.86	0.54	4.44	0.21	4.66	YMCA
143	575836.75	4146813.17	1	0.00184	0.00495	0.00712		0.00184	0.00495	0.00712		0.00056	1.00	2.69	0.50	4.19	0.21	4.40	YMCA
144	575843.75	4146813	1	0.00176	0.00467	0.00667		0.00176	0.00467	0.00667		0.00055	0.95	2.53	0.47	3.96	0.21	4.17	YMCA
145	575850.75	4146812.83	1	0.0017	0.00442	0.00627		0.0017	0.00442	0.00627		0.00054	0.92	2.40	0.44	3.76	0.20	3.97	YMCA
146	575808.93	4146820.84	1	0.0021	0.00596	0.0087		0.0021	0.00596	0.0087		0.00059	1.14	3.23	0.61	4.99	0.22	5.21	YMCA
147	575815.93	4146820.67	1	0.002	0.00552	0.00798		0.002	0.00552	0.00798		0.00057	1.08	2.99	0.56	4.64	0.21	4.86	YMCA
148	575822.93	4146820.5	1	0.00191	0.00513	0.00737		0.00191	0.00513	0.00737		0.00056	1.04	2.78	0.52	4.34	0.21	4.55	YMCA
149	575829.92	4146820.34	1	0.00182	0.00481	0.00686		0.00182	0.00481	0.00686		0.00054	0.99	2.61	0.48	4.08	0.20	4.28	YMCA
150	575809.1	4146827.84	1	0.00199	0.00542	0.00779		0.00199	0.00542	0.00779		0.00057	1.08	2.94	0.55	4.57	0.21	4.78	YMCA
151	575816.1	4146827.67	1	0.0019	0.00503	0.00717		0.0019	0.00503	0.00717		0.00055	1.03	2.73	0.51	4.26	0.21	4.47	YMCA
152	575823.09	4146827.5	1	0.00181	0.00469	0.00665		0.00181	0.00469	0.00665		0.00054	0.98	2.54	0.47	3.99	0.20	4.20	YMCA
153	575830.09	4146827.33	1	0.00173	0.00441	0.00619		0.00173	0.00441	0.00619		0.00053	0.94	2.39	0.44	3.77	0.20	3.97	YMCA
154	575809.27	4146834.84	1	0.00189	0.00495	0.00702		0.00189	0.00495	0.00702		0.00056	1.03	2.69	0.50	4.21	0.21	4.42	YMCA
155	575816.27	4146834.67	1	0.0018	0.00461	0.00649		0.0018	0.00461	0.00649		0.00054	0.98	2.50	0.46	3.93	0.20	4.14	YMCA
156	575823.26	4146834.5	1	0.00172	0.00432	0.00603		0.00172	0.00432	0.00603		0.00053	0.93	2.34	0.43	3.70	0.20	3.90	YMCA
157	575830.26	4146834.33	1	0.00165	0.00406	0.00563		0.00165	0.00406	0.00563		0.00051	0.90	2.20	0.40	3.49	0.19	3.69	YMCA

Receptor								2027	2028	2029 + 2030		Annual	2027	2028	2029 + 2030	Maximum	Annual	Annual	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 + 2030		Construction				Generators	Construction			Max Con	GEN	Max	
(m)	(m)	(m)	Height (m)					TPM	TPM	TPM		TPM	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	
1	575679.01	4146621.68	1.5	0.11547	0.04963	0.03565		0.11547	0.04963	0.03565		0.0012	0.12	0.05	0.04	0.12	0.00	0.12	
2	575683.49	4146638.11	1.5	0.13711	0.05766	0.04116		0.13711	0.05766	0.04116		0.00126	0.14	0.06	0.04	0.14	0.00	0.14	
3	575676.38	4146653.8	1.5	0.11213	0.04744	0.03171		0.11213	0.04744	0.03171		0.00106	0.11	0.05	0.03	0.11	0.00	0.11	
4	575689	4146668.02	1.5	0.14665	0.06442	0.04815		0.14665	0.06442	0.04815		0.00131	0.15	0.06	0.05	0.15	0.00	0.15	
5	575680.97	4146682.93	1.5	0.11583	0.05148	0.03636		0.11583	0.05148	0.03636		0.00109	0.12	0.05	0.04	0.12	0.00	0.12	
6	575685.79	4146698.07	1.5	0.11191	0.05661	0.04601		0.11191	0.05661	0.04601		0.00122	0.11	0.06	0.05	0.11	0.00	0.11	
7	575688.54	4146710.69	1.5	0.09744	0.06033	0.05705		0.09744	0.06033	0.05705		0.00132	0.10	0.06	0.06	0.10	0.00	0.10	
8	575695.65	4146731.1	1.5	0.06762	0.07031	0.08411		0.06762	0.07031	0.08411		0.00142	0.07	0.07	0.08	0.08	0.00	0.08	
9	575696.57	4146744.4	1.5	0.052	0.06961	0.08931		0.052	0.06961	0.08931		0.00135	0.05	0.07	0.09	0.09	0.00	0.09	
10	575699.09	4146758.86	1.5	0.03882	0.06999	0.09541		0.03882	0.06999	0.09541		0.00129	0.04	0.07	0.10	0.10	0.00	0.10	
11	575704.37	4146772.85	1.5	0.02867	0.07204	0.10293		0.02867	0.07204	0.10293		0.00143	0.03	0.07	0.10	0.10	0.00	0.10	
12	575631.65	4146631.55	1.5	0.02995	0.01491	0.01071		0.02995	0.01491	0.01071		0.0006	0.03	0.01	0.01	0.03	0.00	0.03	
13	575644.73	4146629.26	1.5	0.04098	0.01986	0.01417		0.04098	0.01986	0.01417		0.00071	0.04	0.02	0.01	0.04	0.00	0.04	
14	575621.79	4146648.98	1.5	0.02821	0.01334	0.0089		0.02821	0.01334	0.0089		0.00052	0.03	0.01	0.01	0.03	0.00	0.03	
15	575635.09	4146647.15	1.5	0.0378	0.01736	0.01135		0.0378	0.01736	0.01135		0.0006	0.04	0.02	0.01	0.04	0.00	0.04	
16	575647.71	4146645.08	1.5	0.05111	0.02287	0.01483		0.05111	0.02287	0.01483		0.00071	0.05	0.02	0.01	0.05	0.00	0.05	
17	575627.52	4146666.88	1.5	0.03706	0.01642	0.01007		0.03706	0.01642	0.01007		0.00054	0.04	0.02	0.01	0.04	0.00	0.04	
18	575649.77	4146664.35	1.5	0.06022	0.02564	0.01546		0.06022	0.02564	0.01546		0.00069	0.06	0.03	0.02	0.06	0.00	0.06	
19	575661.01	4146683.16	1.5	0.07896	0.03357	0.0207		0.07896	0.03357	0.0207		0.00079	0.08	0.03	0.02	0.08	0.00	0.08	
20	575647.94	4146684.77	1.5	0.06122	0.02602	0.01552		0.06122	0.02602	0.01552		0.00068	0.06	0.03	0.02	0.06	0.00	0.06	
21	575634.86	4146686.14	1.5	0.04759	0.02045	0.01214		0.04759	0.02045	0.01214		0.00059	0.05	0.02	0.01	0.05	0.00	0.05	
22	575624.54	4146691.88	1.5	0.03989	0.01741	0.01046		0.03989	0.01741	0.01046		0.00055	0.04	0.02	0.01	0.04	0.00	0.04	
23	575656.43	4146673.99	1.5	0.07171	0.03021	0.01818		0.07171	0.03021	0.01818		0.00075	0.07	0.03	0.02	0.07	0.00	0.07	
24	575649.54	4146727.2	1.5	0.05747	0.02887	0.02172		0.05747	0.02887	0.02172		0.00089	0.06	0.03	0.02	0.06	0.00	0.06	
25	575664	4146725.6	1.5	0.06725	0.03684	0.03066		0.06725	0.03684	0.03066		0.00103	0.07	0.04	0.03	0.07	0.00	0.07	
26	575664.68	4146744.86	1.5	0.05477	0.038	0.03772		0.05477	0.038	0.03772		0.00118	0.05	0.04	0.04	0.05	0.00	0.05	
27	575586.47	4146652.42	1.5	0.01461	0.00749	0.00539		0.01461	0.00749	0.00539		0.00039	0.01	0.01	0.01	0.01	0.00	0.01	
28	575573.39	4146654.72	1.5	0.01205	0.00633	0.00466		0.01205	0.00633	0.00466		0.00036	0.01	0.01	0.00	0.01	0.00	0.01	
29	575574.31	4146672.38	1.5	0.01403	0.00709	0.00498		0.01403	0.00709	0.00498		0.00037	0.01	0.01	0.00	0.01	0.00	0.01	
30	575586.01	4146669.63	1.5	0.01671	0.00824	0.00564		0.01671	0.00824	0.00564		0.00039	0.02	0.01	0.01	0.02	0.00	0.02	
31	575594.95	4146696.01	1.5	0.02381	0.011	0.00699		0.02381	0.011	0.00699		0.00044	0.02	0.01	0.01	0.02	0.00	0.02	
32	575574.31	4146690.5	1.5	0.01613	0.00789	0.00534		0.01613	0.00789	0.00534		0.00038	0.02	0.01	0.01	0.02	0.00	0.02	
33	575564.22	4146702.2	1.5	0.01492	0.00736	0.00504		0.01492	0.00736	0.00504		0.00038	0.01	0.01	0.01	0.01	0.00	0.01	
34	575559.86	4146674.9	1.5	0.01143	0.00595	0.00432		0.01143	0.00595	0.00432		0.00034	0.01	0.01	0.00	0.01	0.00	0.01	
35	575558.02	4146662.06	1.5	0.01014	0.00542	0.00406		0.01014	0.00542	0.00406		0.00034	0.01	0.01	0.00	0.01	0.00	0.01	
36	575702.07	4146790.74	1.5	0.02198	0.06055	0.08778		0.02198	0.06055	0.08778		0.00173	0.02	0.06	0.09	0.09	0.00	0.09	
37	575670.19	4146804.27	1.5	0.02396	0.03799	0.05089		0.02396	0.03799	0.05089		0.00174	0.02	0.04	0.05	0.05	0.00	0.05	
38	575680.97	4146797.39	1.5	0.02434	0.04466	0.06145		0.02434	0.04466	0.06145		0.00178	0.02	0.04	0.06	0.06	0.00	0.06	
39	575709.87	4146806.11	1.5	0.01616	0.05268	0.07782		0.01616	0.05268	0.07782		0.00143	0.02	0.05	0.08	0.08	0.00	0.08	
40	575591.74	4146766.2	1.5	0.0271	0.01391	0.01042		0.0271	0.01391	0.01042		0.00069	0.03	0.01	0.01	0.03	0.00	0.03	
41	575576.6	4146758.63	1.5	0.02282	0.01124	0.00792		0.02282	0.01124	0.00792		0.00057	0.02	0.01	0.01	0.02	0.00	0.02	
42	575562.61	4146756.79	1.5	0.01912	0.0094	0.00654		0.01912	0.0094	0.00654		0.00051	0.02	0.01	0.01	0.02	0.00	0.02	
43	575625.23	4146753.35	1.5	0.03922	0.02101	0.01671		0.03922	0.02101	0.01671		0.00085	0.04	0.02	0.02	0.04	0.00	0.04	
44	575668.35	4146763.9	1.5	0.04265	0.04048	0.04684		0.04265	0.04048	0.04684		0.0013	0.04	0.04	0.05	0.05	0.00	0.05	
45	575711.48	4146817.58	1.5	0.01366	0.04386	0.06484		0.01366	0.04386	0.06484		0.00128	0.01	0.04	0.06	0.06	0.00	0.06	
46	575716.06	4146834.55	1.5	0.0107	0.03241	0.04775		0.0107	0.03241	0.04775		0.00107	0.01	0.03	0.05	0.05	0.00	0.05	
47	575724.55	4146856.34	1.5	0.00801	0.02113	0.03073		0.00801	0.02113	0.03073		0.00087	0.01	0.02	0.03	0.03	0.00	0.03	
48	575705.51	4146858.4	1.5	0.00906	0.02345	0.034		0.00906	0.02345	0.034		0.00101	0.01	0.02	0.03	0.03	0.00	0.03	
49	575697.26	4146849	1.5	0.01073	0.02782	0.0403		0.01073	0.02782	0.0403		0.00119	0.01	0.03	0.04	0.04	0.00	0.04	
50	575698.63	4146840.74	1.5	0.01165	0.03119	0.04534		0.01165	0.03119	0.04534		0.00125	0.01	0.03	0.05	0.05	0.00	0.05	
51	575668.12	4146857.03	1	0.01266	0.02548	0.03563		0.01266	0.02548	0.03563		0.00151	0.01	0.03	0.04	0.04	0.00	0.04	Shining
52	575677.53	4146856.11	1	0.01183	0.02609	0.03699		0.01183	0.02609	0.03699		0.0014	0.01	0.03	0.04	0.04	0.00	0.04	Shining
53	575679.59	4146865.74	1	0.01045	0.02333	0.03315		0.01045	0.02333	0.03315		0.00127	0.01	0.02	0.03	0.03	0.00	0.03	Shining
54	575641.98	4146853.36	1	0.0158	0.0233	0.03072		0.0158	0.0233	0.03072		0.00165	0.02	0.02	0.03	0.03	0.00	0.03	Apolo
55	575643.58	4146865.97	1	0.01367	0.02171	0.0291		0.01367	0.02171	0.0291		0.00159	0.01	0.02	0.03	0.03	0.00	0.03	Apolo
56	575671.79	4146829.04	1.5	0.01708	0.03305	0.04593		0.01708	0.03305	0.04593		0.00176	0.02	0.03	0.05	0.05	0.00	0.05	
57	575652.07	4146834.32	1.5	0.01838	0.02756	0.03649		0.01838	0.02756	0.03649		0.00172	0.02	0.03	0.04	0.04	0.00	0.04	

Receptor							2027	2028	2029 + 2030	Annual	2027	2028	2029 + 2030	Maximum	Annual	Annual
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 + 2030	Construction			Generators	Construction			Max Con	GEN	Max
(m)	(m)	(m)	Height (m)				TPM	TPM	TPM	TPM	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
58	575661.24	4146866.43	1.5	0.01196	0.02279	0.03159	0.01196	0.02279	0.03159	0.00148	0.01	0.02	0.03	0.03	0.00	0.03
59	575727.07	4146897.63	1.5	0.00557	0.01135	0.01597	0.00557	0.01135	0.01597	0.00071	0.01	0.01	0.02	0.02	0.00	0.02
60	575712.62	4146898.77	1.5	0.006	0.01266	0.01789	0.006	0.01266	0.01789	0.00077	0.01	0.01	0.02	0.02	0.00	0.02
61	575696.8	4146906.57	1.5	0.0062	0.01292	0.01821	0.0062	0.01292	0.01821	0.00083	0.01	0.01	0.02	0.02	0.00	0.02
62	575679.13	4146910.01	1.5	0.00678	0.01378	0.01933	0.00678	0.01378	0.01933	0.00095	0.01	0.01	0.02	0.02	0.00	0.02
63	575661.7	4146907.26	1.5	0.00788	0.01518	0.02107	0.00788	0.01518	0.02107	0.00112	0.01	0.02	0.02	0.02	0.00	0.02
64	575772.95	4146895.1	1.5	0.00438	0.00768	0.01052	0.00438	0.00768	0.01052	0.00057	0.00	0.01	0.01	0.01	0.00	0.01
65	575797.72	4146903.13	1.5	0.00358	0.00573	0.00769	0.00358	0.00573	0.00769	0.0005	0.00	0.01	0.01	0.01	0.00	0.01
66	575797.49	4146915.75	1.5	0.00333	0.00514	0.00684	0.00333	0.00514	0.00684	0.00049	0.00	0.01	0.01	0.01	0.00	0.01
67	575811.03	4146902.22	1.5	0.00332	0.00519	0.00693	0.00332	0.00519	0.00693	0.00048	0.00	0.01	0.01	0.01	0.00	0.01
68	575826.62	4146901.53	1.5	0.00304	0.00464	0.00615	0.00304	0.00464	0.00615	0.00045	0.00	0.00	0.01	0.01	0.00	0.01
69	575845.2	4146899	1.5	0.00279	0.00414	0.00546	0.00279	0.00414	0.00546	0.00043	0.00	0.00	0.01	0.01	0.00	0.01
70	575861.95	4146897.4	1.5	0.0026	0.00376	0.00492	0.0026	0.00376	0.00492	0.00042	0.00	0.00	0.00	0.00	0.00	0.00
71	575938.01	4146807.39	1.5	0.00347	0.006	0.00818	0.00347	0.006	0.00818	0.00057	0.00	0.01	0.01	0.01	0.00	0.01
72	575936.93	4146794.44	1.5	0.00386	0.00694	0.00954	0.00386	0.00694	0.00954	0.00061	0.00	0.01	0.01	0.01	0.00	0.01
73	575937.2	4146780.94	1.5	0.00433	0.00805	0.01115	0.00433	0.00805	0.01115	0.00067	0.00	0.01	0.01	0.01	0.00	0.01
74	575939.36	4146762.59	1.5	0.00507	0.00975	0.01359	0.00507	0.00975	0.01359	0.00075	0.01	0.01	0.01	0.01	0.00	0.01
75	575930.45	4146687.84	1.5	0.01098	0.02304	0.03259	0.01098	0.02304	0.03259	0.00115	0.01	0.02	0.03	0.03	0.00	0.03
76	575942.05	4146674.08	1.5	0.01149	0.0216	0.02999	0.01149	0.0216	0.02999	0.0012	0.01	0.02	0.03	0.03	0.00	0.03
77	575930.72	4146663.56	1.5	0.01389	0.02665	0.03715	0.01389	0.02665	0.03715	0.00128	0.01	0.03	0.04	0.04	0.00	0.04
78	575932.34	4146644.13	1.5	0.01639	0.02861	0.03923	0.01639	0.02861	0.03923	0.00139	0.02	0.03	0.04	0.04	0.00	0.04
79	575957.44	4146643.32	1.5	0.01316	0.02054	0.0275	0.01316	0.02054	0.0275	0.00131	0.01	0.02	0.03	0.03	0.00	0.03
80	575990.36	4146639.81	1.5	0.01037	0.01466	0.01913	0.01037	0.01466	0.01913	0.00124	0.01	0.01	0.02	0.02	0.00	0.02
81	575991.44	4146655.19	1.5	0.00928	0.01374	0.01814	0.00928	0.01374	0.01814	0.00119	0.01	0.01	0.02	0.02	0.00	0.02
82	575990.9	4146669.22	1.5	0.00845	0.013	0.01731	0.00845	0.013	0.01731	0.00114	0.01	0.01	0.02	0.02	0.00	0.02
83	575991.17	4146684.06	1.5	0.0076	0.01199	0.01607	0.0076	0.01199	0.01607	0.00108	0.01	0.01	0.02	0.02	0.00	0.02
84	575990.9	4146699.72	1.5	0.00681	0.0109	0.01467	0.00681	0.0109	0.01467	0.00102	0.01	0.01	0.01	0.01	0.00	0.01
85	575990.63	4146715.1	1.5	0.0061	0.00981	0.01322	0.0061	0.00981	0.01322	0.00095	0.01	0.01	0.01	0.01	0.00	0.01
86	575991.44	4146730.48	1.5	0.00542	0.00868	0.01168	0.00542	0.00868	0.01168	0.00088	0.01	0.01	0.01	0.01	0.00	0.01
87	575993.06	4146747.21	1.5	0.00476	0.00752	0.01009	0.00476	0.00752	0.01009	0.00082	0.00	0.01	0.01	0.01	0.00	0.01
88	575989.01	4146763.13	1.5	0.00428	0.00679	0.00912	0.00428	0.00679	0.00912	0.00075	0.00	0.01	0.01	0.01	0.00	0.01
89	575991.17	4146775.28	1.5	0.00387	0.00606	0.00811	0.00387	0.00606	0.00811	0.00071	0.00	0.01	0.01	0.01	0.00	0.01
90	575988.47	4146790.66	1.5	0.00347	0.00541	0.00723	0.00347	0.00541	0.00723	0.00066	0.00	0.01	0.01	0.01	0.00	0.01
91	575969.58	4146793.9	1.5	0.00355	0.00582	0.00786	0.00355	0.00582	0.00786	0.00064	0.00	0.01	0.01	0.01	0.00	0.01
92	575990.9	4146808.47	1.5	0.00302	0.00461	0.00612	0.00302	0.00461	0.00612	0.00061	0.00	0.00	0.01	0.01	0.00	0.01
93	575991.98	4146821.96	1.5	0.00273	0.0041	0.00542	0.00273	0.0041	0.00542	0.00057	0.00	0.00	0.01	0.01	0.00	0.01
94	575994.14	4146835.18	1.5	0.00248	0.00365	0.0048	0.00248	0.00365	0.0048	0.00054	0.00	0.00	0.00	0.00	0.00	0.00
95	575994.95	4146847.6	1.5	0.00228	0.00329	0.00431	0.00228	0.00329	0.00431	0.00051	0.00	0.00	0.00	0.00	0.00	0.00
96	575979.56	4146845.71	1.5	0.00239	0.00352	0.00463	0.00239	0.00352	0.00463	0.0005	0.00	0.00	0.00	0.00	0.00	0.00
97	575965.53	4146846.25	1.5	0.00245	0.00367	0.00486	0.00245	0.00367	0.00486	0.00049	0.00	0.00	0.00	0.00	0.00	0.00
98	575971.47	4146827.36	1.5	0.00275	0.00425	0.00566	0.00275	0.00425	0.00566	0.00054	0.00	0.00	0.01	0.01	0.00	0.01
99	575955.01	4146781.21	1.5	0.0041	0.00717	0.0098	0.0041	0.00717	0.0098	0.00067	0.00	0.01	0.01	0.01	0.00	0.01
100	575955.55	4146789.58	1.5	0.00382	0.00657	0.00895	0.00382	0.00657	0.00895	0.00064	0.00	0.01	0.01	0.01	0.00	0.01
101	575636.73	4146441.87	1.5	0.02304	0.01344	0.01067	0.02304	0.01344	0.01067	0.00092	0.02	0.01	0.01	0.02	0.00	0.02
102	575643.67	4146440.98	1.5	0.02622	0.01495	0.0116	0.02622	0.01495	0.0116	0.00097	0.03	0.01	0.01	0.03	0.00	0.03
103	575650.61	4146440.09	1.5	0.02987	0.01665	0.0126	0.02987	0.01665	0.0126	0.00103	0.03	0.02	0.01	0.03	0.00	0.03
104	575642.32	4146457.14	1.5	0.02662	0.01528	0.01193	0.02662	0.01528	0.01193	0.00095	0.03	0.02	0.01	0.03	0.00	0.03
105	575649.27	4146456.25	1.5	0.03067	0.01716	0.01302	0.03067	0.01716	0.01302	0.00101	0.03	0.02	0.01	0.03	0.00	0.03
106	575656.21	4146455.37	1.5	0.03538	0.01928	0.01423	0.03538	0.01928	0.01423	0.00108	0.04	0.02	0.01	0.04	0.00	0.04
107	575640.18	4146473.71	1.5	0.02618	0.01525	0.01209	0.02618	0.01525	0.01209	0.00091	0.03	0.02	0.01	0.03	0.00	0.03
108	575647.12	4146472.83	1.5	0.03053	0.01727	0.01328	0.03053	0.01727	0.01328	0.00098	0.03	0.02	0.01	0.03	0.00	0.03
109	575654.07	4146471.94	1.5	0.0357	0.0196	0.01459	0.0357	0.0196	0.01459	0.00104	0.04	0.02	0.01	0.04	0.00	0.04
110	575690.09	4146429.45	1.5	0.06041	0.02984	0.01971	0.06041	0.02984	0.01971	0.00147	0.06	0.03	0.02	0.06	0.00	0.06
111	575697.04	4146428.57	1.5	0.06837	0.03312	0.02139	0.06837	0.03312	0.02139	0.00157	0.07	0.03	0.02	0.07	0.00	0.07
112	575703.98	4146427.68	1.5	0.07706	0.03667	0.02319	0.07706	0.03667	0.02319	0.00168	0.08	0.04	0.02	0.08	0.00	0.08
113	575689.51	4146416	1.5	0.05405	0.02717	0.01837	0.05405	0.02717	0.01837	0.00145	0.05	0.03	0.02	0.05	0.00	0.05
114	575696.45	4146415.11	1.5	0.06064	0.02994	0.01985	0.06064	0.02994	0.01985	0.00154	0.06	0.03	0.02	0.06	0.00	0.06

Receptor								2027	2028	2029 + 2030		Annual	2027	2028	2029 + 2030	Maximum	Annual	Annual	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 + 2030		Construction				Generators	Construction			Max Con	GEN	Max	
(m)	(m)	(m)	Height (m)					TPM	TPM	TPM		TPM	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	
115	575703.39	4146414.23	1.5	0.06782	0.03293	0.02145		0.06782	0.03293	0.02145		0.00164	0.07	0.03	0.02	0.07	0.00	0.07	
116	575815.09	4146785.68	1	0.00751	0.02485	0.03679		0.00751	0.02485	0.03679		0.00073	0.01	0.02	0.04	0.04	0.00	0.04	YMCA
117	575822.08	4146785.51	1	0.00712	0.02234	0.03296		0.00712	0.02234	0.03296		0.00072	0.01	0.02	0.03	0.03	0.00	0.03	YMCA
118	575829.08	4146785.35	1	0.00677	0.02025	0.02977		0.00677	0.02025	0.02977		0.00072	0.01	0.02	0.03	0.03	0.00	0.03	YMCA
119	575836.08	4146785.18	1	0.00646	0.0185	0.02709		0.00646	0.0185	0.02709		0.00071	0.01	0.02	0.03	0.03	0.00	0.03	YMCA
120	575843.08	4146785.01	1	0.00619	0.017	0.0248		0.00619	0.017	0.0248		0.0007	0.01	0.02	0.02	0.02	0.00	0.02	YMCA
121	575850.08	4146784.84	1	0.00595	0.01569	0.0228		0.00595	0.01569	0.0228		0.00069	0.01	0.02	0.02	0.02	0.00	0.02	YMCA
122	575815.25	4146792.68	1	0.00704	0.02107	0.03097		0.00704	0.02107	0.03097		0.00068	0.01	0.02	0.03	0.03	0.00	0.03	YMCA
123	575822.25	4146792.51	1	0.00668	0.01911	0.02797		0.00668	0.01911	0.02797		0.00067	0.01	0.02	0.03	0.03	0.00	0.03	YMCA
124	575829.25	4146792.34	1	0.00635	0.01747	0.02549		0.00635	0.01747	0.02549		0.00067	0.01	0.02	0.03	0.03	0.00	0.03	YMCA
125	575836.25	4146792.17	1	0.00607	0.01609	0.02338		0.00607	0.01609	0.02338		0.00066	0.01	0.02	0.02	0.02	0.00	0.02	YMCA
126	575843.25	4146792.01	1	0.00581	0.01489	0.02154		0.00581	0.01489	0.02154		0.00065	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
127	575850.24	4146791.84	1	0.00559	0.01383	0.01995		0.00559	0.01383	0.01995		0.00064	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
128	575815.42	4146799.68	1	0.00661	0.01816	0.02648		0.00661	0.01816	0.02648		0.00065	0.01	0.02	0.03	0.03	0.00	0.03	YMCA
129	575822.42	4146799.51	1	0.00628	0.01657	0.02407		0.00628	0.01657	0.02407		0.00063	0.01	0.02	0.02	0.02	0.00	0.02	YMCA
130	575829.42	4146799.34	1	0.00598	0.01526	0.02207		0.00598	0.01526	0.02207		0.00062	0.01	0.02	0.02	0.02	0.00	0.02	YMCA
131	575836.42	4146799.17	1	0.00571	0.01413	0.02036		0.00571	0.01413	0.02036		0.00062	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
132	575843.41	4146799	1	0.00548	0.01314	0.01888		0.00548	0.01314	0.01888		0.00061	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
133	575850.41	4146798.84	1	0.00526	0.01228	0.01757		0.00526	0.01228	0.01757		0.0006	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
134	575815.59	4146806.68	1	0.00622	0.01586	0.02294		0.00622	0.01586	0.02294		0.00062	0.01	0.02	0.02	0.02	0.00	0.02	YMCA
135	575822.59	4146806.51	1	0.00592	0.01455	0.02097		0.00592	0.01455	0.02097		0.0006	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
136	575829.59	4146806.34	1	0.00564	0.01346	0.01932		0.00564	0.01346	0.01932		0.00059	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
137	575836.58	4146806.17	1	0.00539	0.01252	0.01791		0.00539	0.01252	0.01791		0.00058	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
138	575843.58	4146806	1	0.00517	0.01169	0.01667		0.00517	0.01169	0.01667		0.00058	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
139	575850.58	4146805.83	1	0.00497	0.01097	0.01558		0.00497	0.01097	0.01558		0.00057	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
140	575815.76	4146813.67	1	0.00587	0.01401	0.02012		0.00587	0.01401	0.02012		0.00059	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
141	575822.76	4146813.51	1	0.00559	0.01292	0.01847		0.00559	0.01292	0.01847		0.00058	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
142	575829.76	4146813.34	1	0.00533	0.01199	0.01708		0.00533	0.01199	0.01708		0.00057	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
143	575836.75	4146813.17	1	0.0051	0.01119	0.01589		0.0051	0.01119	0.01589		0.00056	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
144	575843.75	4146813	1	0.00489	0.01049	0.01484		0.00489	0.01049	0.01484		0.00055	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
145	575850.75	4146812.83	1	0.0047	0.00987	0.01392		0.0047	0.00987	0.01392		0.00054	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
146	575808.93	4146820.84	1	0.00584	0.0136	0.01947		0.00584	0.0136	0.01947		0.00059	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
147	575815.93	4146820.67	1	0.00555	0.0125	0.01781		0.00555	0.0125	0.01781		0.00057	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
148	575822.93	4146820.5	1	0.00529	0.01157	0.01642		0.00529	0.01157	0.01642		0.00056	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
149	575829.92	4146820.34	1	0.00505	0.01077	0.01523		0.00505	0.01077	0.01523		0.00054	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
150	575809.1	4146827.84	1	0.00552	0.01218	0.01732		0.00552	0.01218	0.01732		0.00057	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
151	575816.1	4146827.67	1	0.00526	0.01124	0.01591		0.00526	0.01124	0.01591		0.00055	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
152	575823.09	4146827.5	1	0.00501	0.01044	0.01471		0.00501	0.01044	0.01471		0.00054	0.01	0.01	0.01	0.01	0.00	0.01	YMCA
153	575830.09	4146827.33	1	0.00479	0.00975	0.01369		0.00479	0.00975	0.01369		0.00053	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
154	575809.27	4146834.84	1	0.00523	0.011	0.01552		0.00523	0.011	0.01552		0.00056	0.01	0.01	0.02	0.02	0.00	0.02	YMCA
155	575816.27	4146834.67	1	0.00498	0.01018	0.01431		0.00498	0.01018	0.01431		0.00054	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
156	575823.26	4146834.5	1	0.00476	0.00949	0.01328		0.00476	0.00949	0.01328		0.00053	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
157	575830.26	4146834.33	1	0.00455	0.00888	0.01238		0.00455	0.00888	0.01238		0.00051	0.00	0.01	0.01	0.01	0.00	0.01	YMCA

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																Unmitigated Project Total Risk			
Receptor							2027	2028	2029 +2030		2030 - 2056	2027	2028	2029 +2030	2026 - 2028	2030 - 2056	2027 - 2056	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 +2030	Construction				Generator	Construction			Total Con	GEN	Total	
(m)	(m)	(m)	Height (m)				DPM	DPM	DPM		DPM	Risk	Risk	Risk	Risk	Risk	Risk	
54	575641.98	4146853.36	1	0.0005	0.00162	0.00291	0.0005	0.00162	0.00291		0.00165	0.27	0.11	0.08	0.46	0.62	1.08	Apolo
55	575643.58	4146865.97	1	0.00044	0.00146	0.00276	0.00044	0.00146	0.00276		0.00159	0.24	0.10	0.07	0.41	0.60	1.01	Apolo
56	575671.79	4146829.04	1.5	0.00054	0.002	0.00427	0.00054	0.002	0.00427		0.00176	0.10	0.33	0.11	0.53	0.66	1.20	
57	575652.07	4146834.32	1.5	0.00058	0.00188	0.00344	0.00058	0.00188	0.00344		0.00172	0.10	0.31	0.09	0.50	0.65	1.15	
58	575661.24	4146866.43	1.5	0.00039	0.00141	0.00299	0.00039	0.00141	0.00299		0.00148	0.07	0.23	0.08	0.38	0.56	0.94	
59	575727.07	4146897.63	1.5	0.00018	0.0007	0.00156	0.00018	0.0007	0.00156		0.00071	0.03	0.11	0.04	0.19	0.27	0.45	
60	575712.62	4146898.77	1.5	0.0002	0.00077	0.00174	0.0002	0.00077	0.00174		0.00077	0.04	0.13	0.04	0.21	0.29	0.50	
61	575696.8	4146906.57	1.5	0.0002	0.00079	0.00177	0.0002	0.00079	0.00177		0.00083	0.04	0.13	0.05	0.21	0.31	0.52	
62	575679.13	4146910.01	1.5	0.00022	0.00085	0.00187	0.00022	0.00085	0.00187		0.00095	0.04	0.14	0.05	0.23	0.36	0.58	
63	575661.7	4146907.26	1.5	0.00026	0.00095	0.00202	0.00026	0.00095	0.00202		0.00112	0.05	0.16	0.05	0.25	0.42	0.68	
64	575772.95	4146895.1	1.5	0.00014	0.00051	0.00104	0.00014	0.00051	0.00104		0.00057	0.02	0.08	0.03	0.14	0.21	0.35	
65	575797.72	4146903.13	1.5	0.00012	0.0004	0.00076	0.00012	0.0004	0.00076		0.0005	0.02	0.07	0.02	0.11	0.19	0.29	
66	575797.49	4146915.75	1.5	0.00011	0.00036	0.00068	0.00011	0.00036	0.00068		0.00049	0.02	0.06	0.02	0.10	0.18	0.28	
67	575811.03	4146902.22	1.5	0.00011	0.00036	0.00069	0.00011	0.00036	0.00069		0.00048	0.02	0.06	0.02	0.10	0.18	0.28	
68	575826.62	4146901.53	1.5	0.0001	0.00033	0.00061	0.0001	0.00033	0.00061		0.00045	0.02	0.05	0.02	0.09	0.17	0.26	
69	575845.2	4146899	1.5	0.00009	0.0003	0.00054	0.00009	0.0003	0.00054		0.00043	0.02	0.05	0.01	0.08	0.16	0.24	
70	575861.95	4146897.4	1.5	0.00009	0.00027	0.00049	0.00009	0.00027	0.00049		0.00042	0.02	0.04	0.01	0.07	0.16	0.23	
71	575938.01	4146807.39	1.5	0.00011	0.0004	0.0008	0.00011	0.0004	0.0008		0.00057	0.02	0.07	0.02	0.11	0.21	0.32	
72	575936.93	4146794.44	1.5	0.00013	0.00046	0.00093	0.00013	0.00046	0.00093		0.00061	0.02	0.08	0.02	0.12	0.23	0.35	
73	575937.2	4146780.94	1.5	0.00014	0.00051	0.00109	0.00014	0.00051	0.00109		0.00067	0.02	0.08	0.03	0.14	0.25	0.39	
74	575939.36	4146762.59	1.5	0.00016	0.00062	0.00133	0.00016	0.00062	0.00133		0.00075	0.03	0.10	0.03	0.16	0.28	0.45	
75	575930.45	4146687.84	1.5	0.00035	0.00139	0.00314	0.00035	0.00139	0.00314		0.00115	0.06	0.23	0.08	0.37	0.43	0.80	
76	575942.05	4146674.08	1.5	0.00037	0.00137	0.00291	0.00037	0.00137	0.00291		0.0012	0.07	0.23	0.08	0.37	0.45	0.82	
77	575930.72	4146663.56	1.5	0.00045	0.00167	0.0036	0.00045	0.00167	0.0036		0.00128	0.08	0.27	0.09	0.45	0.48	0.93	
78	575932.34	4146644.13	1.5	0.00053	0.00187	0.00383	0.00053	0.00187	0.00383		0.00139	0.09	0.31	0.10	0.50	0.52	1.02	
79	575957.44	4146643.32	1.5	0.00042	0.00142	0.0027	0.00042	0.00142	0.0027		0.00131	0.07	0.23	0.07	0.38	0.49	0.87	
80	575990.36	4146639.81	1.5	0.00034	0.00107	0.00188	0.00034	0.00107	0.00188		0.00124	0.06	0.18	0.05	0.28	0.47	0.75	
81	575991.44	4146655.19	1.5	0.0003	0.00097	0.00178	0.0003	0.00097	0.00178		0.00119	0.05	0.16	0.05	0.26	0.45	0.71	
82	575990.9	4146669.22	1.5	0.00027	0.0009	0.0017	0.00027	0.0009	0.0017		0.00114	0.05	0.15	0.04	0.24	0.43	0.67	
83	575991.17	4146684.06	1.5	0.00025	0.00083	0.00158	0.00025	0.00083	0.00158		0.00108	0.04	0.14	0.04	0.22	0.41	0.63	
84	575990.9	4146699.72	1.5	0.00022	0.00075	0.00145	0.00022	0.00075	0.00145		0.00102	0.04	0.12	0.04	0.20	0.38	0.58	
85	575990.63	4146715.1	1.5	0.0002	0.00067	0.00131	0.0002	0.00067	0.00131		0.00095	0.04	0.11	0.03	0.18	0.36	0.54	
86	575991.44	4146730.48	1.5	0.00018	0.0006	0.00116	0.00018	0.0006	0.00116		0.00088	0.03	0.10	0.03	0.16	0.33	0.49	
87	575993.06	4146747.21	1.5	0.00015	0.00052	0.001	0.00015	0.00052	0.001		0.00082	0.03	0.09	0.03	0.14	0.31	0.45	
88	575989.01	4146763.13	1.5	0.00014	0.00047	0.0009	0.00014	0.00047	0.0009		0.00075	0.02	0.08	0.02	0.13	0.28	0.41	
89	575991.17	4146775.28	1.5	0.00013	0.00042	0.0008	0.00013	0.00042	0.0008		0.00071	0.02	0.07	0.02	0.11	0.27	0.38	
90	575988.47	4146790.66	1.5	0.00011	0.00038	0.00071	0.00011	0.00038	0.00071		0.00066	0.02	0.06	0.02	0.10	0.25	0.35	
91	575969.58	4146793.9	1.5	0.00012	0.0004	0.00077	0.00012	0.0004	0.00077		0.00064	0.02	0.07	0.02	0.11	0.24	0.35	
92	575990.9	4146808.47	1.5	0.0001	0.00032	0.00061	0.0001	0.00032	0.00061		0.00061	0.02	0.05	0.02	0.09	0.23	0.32	
93	575991.98	4146821.96	1.5	0.00009	0.00029	0.00054	0.00009	0.00029	0.00054		0.00057	0.02	0.05	0.01	0.08	0.21	0.29	
94	575994.14	4146835.18	1.5	0.00008	0.00026	0.00048	0.00008	0.00026	0.00048		0.00054	0.01	0.04	0.01	0.07	0.20	0.27	
95	575994.95	4146847.6	1.5	0.00008	0.00024	0.00043	0.00008	0.00024	0.00043		0.00051	0.01	0.04	0.01	0.06	0.19	0.26	
96	575979.56	4146845.71	1.5	0.00008	0.00026	0.00046	0.00008	0.00026	0.00046		0.0005	0.01	0.04	0.01	0.07	0.19	0.26	
97	575965.53	4146846.25	1.5	0.00008	0.00026	0.00048	0.00008	0.00026	0.00048		0.00049	0.01	0.04	0.01	0.07	0.18	0.25	
98	575971.47	4146827.36	1.5	0.00009	0.0003	0.00056	0.00009	0.0003	0.00056		0.00054	0.02	0.05	0.01	0.08	0.20	0.28	
99	575955.01	4146781.21	1.5	0.00013	0.00047	0.00096	0.00013	0.00047	0.00096		0.00067	0.02	0.08	0.02	0.13	0.25	0.38	
100	575955.55	4146789.58	1.5	0.00012	0.00043	0.00088	0.00012	0.00043	0.00088		0.00064	0.02	0.07	0.02	0.11	0.24	0.36	
101	575636.73	4146441.87	1.5	0.00079	0.00173	0.00111	0.00079	0.00173	0.00111		0.00092	0.14	0.28	0.03	0.45	0.35	0.80	
102	575643.67	4146440.98	1.5	0.0009	0.00195	0.00121	0.0009	0.00195	0.00121		0.00097	0.16	0.32	0.03	0.51	0.37	0.88	
103	575650.61	4146440.09	1.5	0.00102	0.0022	0.00131	0.00102	0.0022	0.00131		0.00103	0.18	0.36	0.03	0.58	0.39	0.96	
104	575642.32	4146457.14	1.5	0.00091	0.00199	0.00124	0.00091	0.00199	0.00124		0.00095	0.16	0.33	0.03	0.52	0.36	0.88	
105	575649.27	4146456.25	1.5	0.00105	0.00226	0.00135	0.00105	0.00226	0.00135		0.00101	0.19	0.37	0.03	0.59	0.38	0.97	
106	575656.21	4146455.37	1.5	0.0012	0.00258	0.00148	0.0012	0.00258	0.00148		0.00108	0.21	0.42	0.04	0.68	0.41	1.08	

																Unmitigated Project Total Risk			
Receptor							2027	2028	2029 +2030		2030 - 2056	2027	2028	2029 +2030		2026 - 2028	2030 - 2056	2027 - 2056	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 +2030	Construction				Generator	Construction				Total Con	GEN	Total	
(m)	(m)	(m)	Height (m)				DPM	DPM	DPM		DPM	Risk	Risk	Risk		Risk	Risk	Risk	
107	575640.18	4146473.71	1.5	0.0009	0.00196	0.00126	0.0009	0.00196	0.00126		0.00091	0.16	0.32	0.03		0.51	0.34	0.86	
108	575647.12	4146472.83	1.5	0.00104	0.00226	0.00138	0.00104	0.00226	0.00138		0.00098	0.18	0.37	0.04		0.59	0.37	0.96	
109	575654.07	4146471.94	1.5	0.00122	0.00262	0.00152	0.00122	0.00262	0.00152		0.00104	0.22	0.43	0.04		0.69	0.39	1.08	
110	575690.09	4146429.45	1.5	0.00201	0.00422	0.00203	0.00201	0.00422	0.00203		0.00147	0.36	0.69	0.05		1.10	0.55	1.66	
111	575697.04	4146428.57	1.5	0.00226	0.00473	0.0022	0.00226	0.00473	0.0022		0.00157	0.40	0.78	0.06		1.24	0.59	1.83	
112	575703.98	4146427.68	1.5	0.00254	0.00528	0.00238	0.00254	0.00528	0.00238		0.00168	0.45	0.87	0.06		1.38	0.63	2.01	
113	575689.51	4146416	1.5	0.0018	0.0038	0.00189	0.0018	0.0038	0.00189		0.00145	0.32	0.62	0.05		0.99	0.55	1.54	
114	575696.45	4146415.11	1.5	0.00201	0.00422	0.00204	0.00201	0.00422	0.00204		0.00154	0.36	0.69	0.05		1.10	0.58	1.68	
115	575703.39	4146414.23	1.5	0.00224	0.00468	0.0022	0.00224	0.00468	0.0022		0.00164	0.40	0.77	0.06		1.22	0.62	1.84	
116	575815.09	4146785.68	1	0.00024	0.00123	0.0033	0.00024	0.00123	0.0033		0.00073	0.13	0.67	0.23		1.03	0.27	1.30	YMCA
117	575822.08	4146785.51	1	0.00023	0.00113	0.00299	0.00023	0.00113	0.00299		0.00072	0.12	0.61	0.21		0.95	0.27	1.22	YMCA
118	575829.08	4146785.35	1	0.00022	0.00104	0.00273	0.00022	0.00104	0.00273		0.00072	0.12	0.56	0.19		0.88	0.27	1.15	YMCA
119	575836.08	4146785.18	1	0.00021	0.00097	0.00251	0.00021	0.00097	0.00251		0.00071	0.11	0.53	0.18		0.82	0.27	1.08	YMCA
120	575843.08	4146785.01	1	0.0002	0.00092	0.00231	0.0002	0.00092	0.00231		0.0007	0.11	0.50	0.16		0.77	0.26	1.03	YMCA
121	575850.08	4146784.84	1	0.00019	0.00086	0.00214	0.00019	0.00086	0.00214		0.00069	0.10	0.47	0.15		0.72	0.26	0.98	YMCA
122	575815.25	4146792.68	1	0.00023	0.00109	0.00284	0.00023	0.00109	0.00284		0.00068	0.12	0.59	0.20		0.92	0.26	1.17	YMCA
123	575822.25	4146792.51	1	0.00022	0.00101	0.00259	0.00022	0.00101	0.00259		0.00067	0.12	0.55	0.18		0.85	0.25	1.10	YMCA
124	575829.25	4146792.34	1	0.00021	0.00094	0.00237	0.00021	0.00094	0.00237		0.00067	0.11	0.51	0.17		0.79	0.25	1.04	YMCA
125	575836.25	4146792.17	1	0.0002	0.00088	0.00219	0.0002	0.00088	0.00219		0.00066	0.11	0.48	0.15		0.74	0.25	0.99	YMCA
126	575843.25	4146792.01	1	0.00019	0.00082	0.00203	0.00019	0.00082	0.00203		0.00065	0.10	0.44	0.14		0.69	0.24	0.94	YMCA
127	575850.24	4146791.84	1	0.00018	0.00078	0.00189	0.00018	0.00078	0.00189		0.00064	0.10	0.42	0.13		0.65	0.24	0.89	YMCA
128	575815.42	4146799.68	1	0.00022	0.00097	0.00247	0.00022	0.00097	0.00247		0.00065	0.12	0.53	0.17		0.82	0.24	1.06	YMCA
129	575822.42	4146799.51	1	0.00021	0.0009	0.00226	0.00021	0.0009	0.00226		0.00063	0.11	0.49	0.16		0.76	0.24	1.00	YMCA
130	575829.42	4146799.34	1	0.0002	0.00084	0.00208	0.0002	0.00084	0.00208		0.00062	0.11	0.46	0.15		0.71	0.23	0.94	YMCA
131	575836.42	4146799.17	1	0.00019	0.0008	0.00193	0.00019	0.0008	0.00193		0.00062	0.10	0.43	0.14		0.67	0.23	0.91	YMCA
132	575843.41	4146799	1	0.00018	0.00075	0.0018	0.00018	0.00075	0.0018		0.00061	0.10	0.41	0.13		0.63	0.23	0.86	YMCA
133	575850.41	4146798.84	1	0.00017	0.00071	0.00168	0.00017	0.00071	0.00168		0.0006	0.09	0.39	0.12		0.60	0.23	0.82	YMCA
134	575815.59	4146806.68	1	0.0002	0.00088	0.00217	0.0002	0.00088	0.00217		0.00062	0.11	0.48	0.15		0.74	0.23	0.97	YMCA
135	575822.59	4146806.51	1	0.00019	0.00082	0.00199	0.00019	0.00082	0.00199		0.0006	0.10	0.44	0.14		0.69	0.23	0.91	YMCA
136	575829.59	4146806.34	1	0.00018	0.00077	0.00184	0.00018	0.00077	0.00184		0.00059	0.10	0.42	0.13		0.65	0.22	0.87	YMCA
137	575836.58	4146806.17	1	0.00018	0.00073	0.00171	0.00018	0.00073	0.00171		0.00058	0.10	0.40	0.12		0.61	0.22	0.83	YMCA
138	575843.58	4146806	1	0.00017	0.00069	0.0016	0.00017	0.00069	0.0016		0.00058	0.09	0.37	0.11		0.58	0.22	0.80	YMCA
139	575850.58	4146805.83	1	0.00016	0.00065	0.0015	0.00016	0.00065	0.0015		0.00057	0.09	0.35	0.11		0.55	0.21	0.76	YMCA
140	575815.76	4146813.67	1	0.00019	0.00081	0.00192	0.00019	0.00081	0.00192		0.00059	0.10	0.44	0.14		0.68	0.22	0.90	YMCA
141	575822.76	4146813.51	1	0.00018	0.00075	0.00177	0.00018	0.00075	0.00177		0.00058	0.10	0.41	0.12		0.63	0.22	0.85	YMCA
142	575829.76	4146813.34	1	0.00017	0.00071	0.00164	0.00017	0.00071	0.00164		0.00057	0.09	0.39	0.12		0.59	0.21	0.81	YMCA
143	575836.75	4146813.17	1	0.00017	0.00067	0.00153	0.00017	0.00067	0.00153		0.00056	0.09	0.36	0.11		0.56	0.21	0.77	YMCA
144	575843.75	4146813	1	0.00016	0.00063	0.00143	0.00016	0.00063	0.00143		0.00055	0.09	0.34	0.10		0.53	0.21	0.74	YMCA
145	575850.75	4146812.83	1	0.00015	0.0006	0.00135	0.00015	0.0006	0.00135		0.00054	0.08	0.33	0.10		0.50	0.20	0.71	YMCA
146	575808.93	4146820.84	1	0.00019	0.00079	0.00187	0.00019	0.00079	0.00187		0.00059	0.10	0.43	0.13		0.66	0.22	0.89	YMCA
147	575815.93	4146820.67	1	0.00018	0.00074	0.00171	0.00018	0.00074	0.00171		0.00057	0.10	0.40	0.12		0.62	0.21	0.83	YMCA
148	575822.93	4146820.5	1	0.00017	0.00069	0.00158	0.00017	0.00069	0.00158		0.00056	0.09	0.37	0.11		0.58	0.21	0.79	YMCA
149	575829.92	4146820.34	1	0.00017	0.00065	0.00147	0.00017	0.00065	0.00147		0.00054	0.09	0.35	0.10		0.55	0.20	0.75	YMCA
150	575809.1	4146827.84	1	0.00018	0.00073	0.00167	0.00018	0.00073	0.00167		0.00057	0.10	0.40	0.12		0.61	0.21	0.83	YMCA
151	575816.1	4146827.67	1	0.00017	0.00068	0.00154	0.00017	0.00068	0.00154		0.00055	0.09	0.37	0.11		0.57	0.21	0.78	YMCA
152	575823.09	4146827.5	1	0.00016	0.00064	0.00143	0.00016	0.00064	0.00143		0.00054	0.09	0.35	0.10		0.53	0.20	0.74	YMCA
153	575830.09	4146827.33	1	0.00016	0.0006	0.00133	0.00016	0.0006	0.00133		0.00053	0.09	0.33	0.09		0.51	0.20	0.71	YMCA
154	575809.27	4146834.84	1	0.00017	0.00067	0.00151	0.00017	0.00067	0.00151		0.00056	0.09	0.36	0.11		0.56	0.21	0.77	YMCA
155	575816.27	4146834.67	1	0.00016	0.00063	0.00139	0.00016	0.00063	0.00139		0.00054	0.09	0.34	0.10		0.53	0.20	0.73	YMCA
156	575823.26	4146834.5	1	0.00016	0.00059	0.00129	0.00016	0.00059	0.00129		0.00053	0.09	0.32	0.09		0.50	0.20	0.70	YMCA
157	575830.26	4146834.33	1	0.00015	0.00056	0.00121	0.00015	0.00056	0.00121		0.00051	0.08	0.30	0.09		0.47	0.19	0.66	YMCA

Receptor								2027	2028	029 + 2030		Annual	2027	2028	2029 + 2030	Maximum	Annual	Annual	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 + 2030		Construction				Generators	Construction			Max Con	GEN	Max	
(m)	(m)	(m)	Height (m)					TPM	TPM	TPM		TPM	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	
1	575679.01	4146621.68	1.5	0.08552	0.02366	0.02231		0.08552	0.02366	0.02231		0.0012	0.09	0.02	0.02	0.09	0.00	0.09	
2	575683.49	4146638.11	1.5	0.10238	0.02771	0.02596		0.10238	0.02771	0.02596		0.00126	0.10	0.03	0.03	0.10	0.00	0.10	
3	575676.38	4146653.8	1.5	0.08173	0.02218	0.02002		0.08173	0.02218	0.02002		0.00106	0.08	0.02	0.02	0.08	0.00	0.08	
4	575689	4146668.02	1.5	0.10941	0.03191	0.03116		0.10941	0.03191	0.03116		0.00131	0.11	0.03	0.03	0.11	0.00	0.11	
5	575680.97	4146682.93	1.5	0.08421	0.0248	0.02352		0.08421	0.0248	0.02352		0.00109	0.08	0.02	0.02	0.08	0.00	0.08	
6	575685.79	4146698.07	1.5	0.0813	0.029	0.03056		0.0813	0.029	0.03056		0.00122	0.08	0.03	0.03	0.08	0.00	0.08	
7	575688.54	4146710.69	1.5	0.07023	0.03309	0.03873		0.07023	0.03309	0.03873		0.00132	0.07	0.03	0.04	0.07	0.00	0.07	
8	575695.65	4146731.1	1.5	0.04792	0.0434	0.0586		0.04792	0.0434	0.0586		0.00142	0.05	0.04	0.06	0.06	0.00	0.06	
9	575696.57	4146744.4	1.5	0.03647	0.04421	0.06205		0.03647	0.04421	0.06205		0.00135	0.04	0.04	0.06	0.06	0.00	0.06	
10	575699.09	4146758.86	1.5	0.02697	0.04567	0.0662		0.02697	0.04567	0.0662		0.00129	0.03	0.05	0.07	0.07	0.00	0.07	
11	575704.37	4146772.85	1.5	0.01975	0.0483	0.07169		0.01975	0.0483	0.07169		0.00143	0.02	0.05	0.07	0.07	0.00	0.07	
12	575631.65	4146631.55	1.5	0.02061	0.00685	0.00663		0.02061	0.00685	0.00663		0.0006	0.02	0.01	0.01	0.02	0.00	0.02	
13	575644.73	4146629.26	1.5	0.0285	0.00915	0.00877		0.0285	0.00915	0.00877		0.00071	0.03	0.01	0.01	0.03	0.00	0.03	
14	575621.79	4146648.98	1.5	0.01938	0.00603	0.00554		0.01938	0.00603	0.00554		0.00052	0.02	0.01	0.01	0.02	0.00	0.02	
15	575635.09	4146647.15	1.5	0.02621	0.00782	0.00706		0.02621	0.00782	0.00706		0.0006	0.03	0.01	0.01	0.03	0.00	0.03	
16	575647.71	4146645.08	1.5	0.03582	0.01033	0.00923		0.03582	0.01033	0.00923		0.00071	0.04	0.01	0.01	0.04	0.00	0.04	
17	575627.52	4146666.88	1.5	0.02566	0.0073	0.00631		0.02566	0.0073	0.00631		0.00054	0.03	0.01	0.01	0.03	0.00	0.03	
18	575649.77	4146664.35	1.5	0.04236	0.01144	0.0097		0.04236	0.01144	0.0097		0.00069	0.04	0.01	0.01	0.04	0.00	0.04	
19	575661.01	4146683.16	1.5	0.05602	0.01525	0.01316		0.05602	0.01525	0.01316		0.00079	0.06	0.02	0.01	0.06	0.00	0.06	
20	575647.94	4146684.77	1.5	0.043	0.01164	0.00983		0.043	0.01164	0.00983		0.00068	0.04	0.01	0.01	0.04	0.00	0.04	
21	575634.86	4146686.14	1.5	0.03316	0.00909	0.00767		0.03316	0.00909	0.00767		0.00059	0.03	0.01	0.01	0.03	0.00	0.03	
22	575624.54	4146691.88	1.5	0.02766	0.00776	0.00661		0.02766	0.00776	0.00661		0.00055	0.03	0.01	0.01	0.03	0.00	0.03	
23	575656.43	4146673.99	1.5	0.05071	0.01356	0.01148		0.05071	0.01356	0.01148		0.00075	0.05	0.01	0.01	0.05	0.00	0.05	
24	575649.54	4146727.2	1.5	0.04029	0.01396	0.01402		0.04029	0.01396	0.01402		0.00089	0.04	0.01	0.01	0.04	0.00	0.04	
25	575664	4146725.6	1.5	0.04743	0.0186	0.02004		0.04743	0.0186	0.02004		0.00103	0.05	0.02	0.02	0.05	0.00	0.05	
26	575664.68	4146744.86	1.5	0.0384	0.02054	0.02484		0.0384	0.02054	0.02484		0.00118	0.04	0.02	0.02	0.04	0.00	0.04	
27	575586.47	4146652.42	1.5	0.00989	0.00344	0.00336		0.00989	0.00344	0.00336		0.00039	0.01	0.00	0.00	0.01	0.00	0.01	
28	575573.39	4146654.72	1.5	0.00814	0.00294	0.00291		0.00814	0.00294	0.00291		0.00036	0.01	0.00	0.00	0.01	0.00	0.01	
29	575574.31	4146672.38	1.5	0.0095	0.00325	0.00313		0.0095	0.00325	0.00313		0.00037	0.01	0.00	0.00	0.01	0.00	0.01	
30	575586.01	4146669.63	1.5	0.01135	0.00375	0.00354		0.01135	0.00375	0.00354		0.00039	0.01	0.00	0.00	0.01	0.00	0.01	
31	575594.95	4146696.01	1.5	0.01631	0.00494	0.00441		0.01631	0.00494	0.00441		0.00044	0.02	0.00	0.00	0.02	0.00	0.02	
32	575574.31	4146690.5	1.5	0.01095	0.00359	0.00337		0.01095	0.00359	0.00337		0.00038	0.01	0.00	0.00	0.01	0.00	0.01	
33	575564.22	4146702.2	1.5	0.01013	0.00336	0.00318		0.01013	0.00336	0.00318		0.00038	0.01	0.00	0.00	0.01	0.00	0.01	
34	575559.86	4146674.9	1.5	0.00771	0.00276	0.00272		0.00771	0.00276	0.00272		0.00034	0.01	0.00	0.00	0.01	0.00	0.01	
35	575558.02	4146662.06	1.5	0.00683	0.00253	0.00255		0.00683	0.00253	0.00255		0.00034	0.01	0.00	0.00	0.01	0.00	0.01	
36	575702.07	4146790.74	1.5	0.01503	0.04004	0.05999		0.01503	0.04004	0.05999		0.00173	0.02	0.04	0.06	0.06	0.00	0.06	
37	575670.19	4146804.27	1.5	0.01646	0.02334	0.03367		0.01646	0.02334	0.03367		0.00174	0.02	0.02	0.03	0.03	0.00	0.03	
38	575680.97	4146797.39	1.5	0.01671	0.02803	0.04099		0.01671	0.02803	0.04099		0.00178	0.02	0.03	0.04	0.04	0.00	0.04	
39	575709.87	4146806.11	1.5	0.01098	0.03482	0.05273		0.01098	0.03482	0.05273		0.00143	0.01	0.03	0.05	0.05	0.00	0.05	
40	575591.74	4146766.2	1.5	0.01871	0.00661	0.00663		0.01871	0.00661	0.00663		0.00069	0.02	0.01	0.01	0.02	0.00	0.02	
41	575576.6	4146758.63	1.5	0.01569	0.00523	0.00502		0.01569	0.00523	0.00502		0.00057	0.02	0.01	0.01	0.02	0.00	0.02	
42	575562.61	4146756.79	1.5	0.0131	0.00434	0.00414		0.0131	0.00434	0.00414		0.00051	0.01	0.00	0.00	0.01	0.00	0.01	
43	575625.23	4146753.35	1.5	0.02727	0.01026	0.01072		0.02727	0.01026	0.01072		0.00085	0.03	0.01	0.01	0.03	0.00	0.03	
44	575668.35	4146763.9	1.5	0.02971	0.02336	0.03102		0.02971	0.02336	0.03102		0.0013	0.03	0.02	0.03	0.03	0.00	0.03	
45	575711.48	4146817.58	1.5	0.00925	0.02865	0.04346		0.00925	0.02865	0.04346		0.00128	0.01	0.03	0.04	0.04	0.00	0.04	
46	575716.06	4146834.55	1.5	0.00723	0.02083	0.03159		0.00723	0.02083	0.03159		0.00107	0.01	0.02	0.03	0.03	0.00	0.03	
47	575724.55	4146856.34	1.5	0.0054	0.01328	0.02004		0.0054	0.01328	0.02004		0.00087	0.01	0.01	0.02	0.02	0.00	0.02	
48	575705.51	4146858.4	1.5	0.0061	0.01476	0.02224		0.0061	0.01476	0.02224		0.00101	0.01	0.01	0.02	0.02	0.00	0.02	
49	575697.26	4146849	1.5	0.00724	0.0176	0.0265		0.00724	0.0176	0.0265		0.00119	0.01	0.02	0.03	0.03	0.00	0.03	
50	575698.63	4146840.74	1.5	0.00787	0.01985	0.02992		0.00787	0.01985	0.02992		0.00125	0.01	0.02	0.03	0.03	0.00	0.03	
51	575668.12	4146857.03	1	0.00857	0.01579	0.02335		0.00857	0.01579	0.02335		0.00151	0.01	0.02	0.02	0.02	0.00	0.02	Shining
52	575677.53	4146856.11	1	0.00799	0.01628	0.02426		0.00799	0.01628	0.02426		0.0014	0.01	0.02	0.02	0.02	0.00	0.02	Shining
53	575679.59	4146865.74	1	0.00704	0.01454	0.02167		0.00704	0.01454	0.02167		0.00127	0.01	0.01	0.02	0.02	0.00	0.02	Shining

Receptor							2027	2028	029 + 2030	Annual	2027	2028	2029 + 2030	Maximum	Annual	Annual	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 + 2030	Construction			Generators	Construction			Max Con	GEN	Max	
(m)	(m)	(m)	Height (m)				TPM	TPM	TPM	TPM	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	
54	575641.98	4146853.36	1	0.01079	0.01401	0.02007	0.01079	0.01401	0.02007	0.00165	0.01	0.01	0.02	0.02	0.00	0.02	Apolo
55	575643.58	4146865.97	1	0.00931	0.01315	0.019	0.00931	0.01315	0.019	0.00159	0.01	0.01	0.02	0.02	0.00	0.02	Apolo
56	575671.79	4146829.04	1.5	0.01164	0.02059	0.0303	0.01164	0.02059	0.0303	0.00176	0.01	0.02	0.03	0.03	0.00	0.03	
57	575652.07	4146834.32	1.5	0.01258	0.01668	0.02392	0.01258	0.01668	0.02392	0.00172	0.01	0.02	0.02	0.02	0.00	0.02	
58	575661.24	4146866.43	1.5	0.0081	0.01404	0.02067	0.0081	0.01404	0.02067	0.00148	0.01	0.01	0.02	0.02	0.00	0.02	
59	575727.07	4146897.63	1.5	0.00375	0.0069	0.01025	0.00375	0.0069	0.01025	0.00071	0.00	0.01	0.01	0.01	0.00	0.01	
60	575712.62	4146898.77	1.5	0.00403	0.00773	0.01152	0.00403	0.00773	0.01152	0.00077	0.00	0.01	0.01	0.01	0.00	0.01	
61	575696.8	4146906.57	1.5	0.00416	0.0079	0.01174	0.00416	0.0079	0.01174	0.00083	0.00	0.01	0.01	0.01	0.00	0.01	
62	575679.13	4146910.01	1.5	0.00454	0.00843	0.0125	0.00454	0.00843	0.0125	0.00095	0.00	0.01	0.01	0.01	0.00	0.01	
63	575661.7	4146907.26	1.5	0.0053	0.00928	0.01368	0.0053	0.00928	0.01368	0.00112	0.01	0.01	0.01	0.01	0.00	0.01	
64	575772.95	4146895.1	1.5	0.00295	0.00458	0.00671	0.00295	0.00458	0.00671	0.00057	0.00	0.00	0.01	0.01	0.00	0.01	
65	575797.72	4146903.13	1.5	0.0024	0.00338	0.0049	0.0024	0.00338	0.0049	0.0005	0.00	0.00	0.00	0.00	0.00	0.00	
66	575797.49	4146915.75	1.5	0.00223	0.00302	0.00435	0.00223	0.00302	0.00435	0.00049	0.00	0.00	0.00	0.00	0.00	0.00	
67	575811.03	4146902.22	1.5	0.00222	0.00305	0.00441	0.00222	0.00305	0.00441	0.00048	0.00	0.00	0.00	0.00	0.00	0.00	
68	575826.62	4146901.53	1.5	0.00204	0.00271	0.00391	0.00204	0.00271	0.00391	0.00045	0.00	0.00	0.00	0.00	0.00	0.00	
69	575845.2	4146899	1.5	0.00187	0.00242	0.00347	0.00187	0.00242	0.00347	0.00043	0.00	0.00	0.00	0.00	0.00	0.00	
70	575861.95	4146897.4	1.5	0.00174	0.00219	0.00313	0.00174	0.00219	0.00313	0.00042	0.00	0.00	0.00	0.00	0.00	0.00	
71	575938.01	4146807.39	1.5	0.00233	0.00359	0.00524	0.00233	0.00359	0.00524	0.00057	0.00	0.00	0.01	0.01	0.00	0.01	
72	575936.93	4146794.44	1.5	0.0026	0.00418	0.00612	0.0026	0.00418	0.00612	0.00061	0.00	0.00	0.01	0.01	0.00	0.01	
73	575937.2	4146780.94	1.5	0.00292	0.00487	0.00717	0.00292	0.00487	0.00717	0.00067	0.00	0.00	0.01	0.01	0.00	0.01	
74	575939.36	4146762.59	1.5	0.00343	0.00591	0.00874	0.00343	0.00591	0.00874	0.00075	0.00	0.01	0.01	0.01	0.00	0.01	
75	575930.45	4146687.84	1.5	0.00747	0.01419	0.02112	0.00747	0.01419	0.02112	0.00115	0.01	0.01	0.02	0.02	0.00	0.02	
76	575942.05	4146674.08	1.5	0.0078	0.01313	0.01936	0.0078	0.01313	0.01936	0.0012	0.01	0.01	0.02	0.02	0.00	0.02	
77	575930.72	4146663.56	1.5	0.00945	0.01625	0.024	0.00945	0.01625	0.024	0.00128	0.01	0.02	0.02	0.02	0.00	0.02	
78	575932.34	4146644.13	1.5	0.01115	0.01722	0.02521	0.01115	0.01722	0.02521	0.00139	0.01	0.02	0.03	0.03	0.00	0.03	
79	575957.44	4146643.32	1.5	0.00892	0.01219	0.01763	0.00892	0.01219	0.01763	0.00131	0.01	0.01	0.02	0.02	0.00	0.02	
80	575990.36	4146639.81	1.5	0.00701	0.00858	0.01225	0.00701	0.00858	0.01225	0.00124	0.01	0.01	0.01	0.01	0.00	0.01	
81	575991.44	4146655.19	1.5	0.00627	0.00809	0.01163	0.00627	0.00809	0.01163	0.00119	0.01	0.01	0.01	0.01	0.00	0.01	
82	575990.9	4146669.22	1.5	0.00571	0.00769	0.0111	0.00571	0.00769	0.0111	0.00114	0.01	0.01	0.01	0.01	0.00	0.01	
83	575991.17	4146684.06	1.5	0.00514	0.00711	0.01029	0.00514	0.00711	0.01029	0.00108	0.01	0.01	0.01	0.01	0.00	0.01	
84	575990.9	4146699.72	1.5	0.00461	0.00646	0.00938	0.00461	0.00646	0.00938	0.00102	0.00	0.01	0.01	0.01	0.00	0.01	
85	575990.63	4146715.1	1.5	0.00413	0.00581	0.00845	0.00413	0.00581	0.00845	0.00095	0.00	0.01	0.01	0.01	0.00	0.01	
86	575991.44	4146730.48	1.5	0.00367	0.00513	0.00745	0.00367	0.00513	0.00745	0.00088	0.00	0.01	0.01	0.01	0.00	0.01	
87	575993.06	4146747.21	1.5	0.00322	0.00444	0.00644	0.00322	0.00444	0.00644	0.00082	0.00	0.00	0.01	0.01	0.00	0.01	
88	575989.01	4146763.13	1.5	0.00289	0.00401	0.00582	0.00289	0.00401	0.00582	0.00075	0.00	0.00	0.01	0.01	0.00	0.01	
89	575991.17	4146775.28	1.5	0.00261	0.00358	0.00518	0.00261	0.00358	0.00518	0.00071	0.00	0.00	0.01	0.01	0.00	0.01	
90	575988.47	4146790.66	1.5	0.00234	0.0032	0.00462	0.00234	0.0032	0.00462	0.00066	0.00	0.00	0.00	0.00	0.00	0.00	
91	575969.58	4146793.9	1.5	0.00239	0.00346	0.00503	0.00239	0.00346	0.00503	0.00064	0.00	0.00	0.01	0.01	0.00	0.01	
92	575990.9	4146808.47	1.5	0.00203	0.00271	0.00391	0.00203	0.00271	0.00391	0.00061	0.00	0.00	0.00	0.00	0.00	0.00	
93	575991.98	4146821.96	1.5	0.00184	0.00241	0.00346	0.00184	0.00241	0.00346	0.00057	0.00	0.00	0.00	0.00	0.00	0.00	
94	575994.14	4146835.18	1.5	0.00166	0.00214	0.00306	0.00166	0.00214	0.00306	0.00054	0.00	0.00	0.00	0.00	0.00	0.00	
95	575994.95	4146847.6	1.5	0.00153	0.00192	0.00275	0.00153	0.00192	0.00275	0.00051	0.00	0.00	0.00	0.00	0.00	0.00	
96	575979.56	4146845.71	1.5	0.0016	0.00206	0.00295	0.0016	0.00206	0.00295	0.0005	0.00	0.00	0.00	0.00	0.00	0.00	
97	575965.53	4146846.25	1.5	0.00164	0.00215	0.00309	0.00164	0.00215	0.00309	0.00049	0.00	0.00	0.00	0.00	0.00	0.00	
98	575971.47	4146827.36	1.5	0.00184	0.0025	0.00361	0.00184	0.0025	0.00361	0.00054	0.00	0.00	0.00	0.00	0.00	0.00	
99	575955.01	4146781.21	1.5	0.00276	0.00429	0.00628	0.00276	0.00429	0.00628	0.00067	0.00	0.00	0.01	0.01	0.00	0.01	
100	575955.55	4146789.58	1.5	0.00257	0.00392	0.00573	0.00257	0.00392	0.00573	0.00064	0.00	0.00	0.01	0.01	0.00	0.01	
101	575636.73	4146441.87	1.5	0.01515	0.00628	0.00661	0.01515	0.00628	0.00661	0.00092	0.02	0.01	0.01	0.02	0.00	0.02	
102	575643.67	4146440.98	1.5	0.01726	0.00694	0.00718	0.01726	0.00694	0.00718	0.00097	0.02	0.01	0.01	0.02	0.00	0.02	
103	575650.61	4146440.09	1.5	0.01969	0.00768	0.00781	0.01969	0.00768	0.00781	0.00103	0.02	0.01	0.01	0.02	0.00	0.02	
104	575642.32	4146457.14	1.5	0.01752	0.00711	0.00739	0.01752	0.00711	0.00739	0.00095	0.02	0.01	0.01	0.02	0.00	0.02	
105	575649.27	4146456.25	1.5	0.02021	0.00792	0.00807	0.02021	0.00792	0.00807	0.00101	0.02	0.01	0.01	0.02	0.00	0.02	
106	575656.21	4146455.37	1.5	0.02336	0.00882	0.00882	0.02336	0.00882	0.00882	0.00108	0.02	0.01	0.01	0.02	0.00	0.02	
107	575640.18	4146473.71	1.5	0.01722	0.00713	0.00749	0.01722	0.00713	0.00749	0.00091	0.02	0.01	0.01	0.02	0.00	0.02	

Receptor								2027	2028	029 + 2030		Annual	2027	2028	2029 + 2030	Maximum	Annual	Annual	
No.	UTM-X	UTM-Y	Flagpole	2027	2028	2029 + 2030		Construction				Generators	Construction			Max Con	GEN	Max	
(m)	(m)	(m)	Height (m)					TPM	TPM	TPM		TPM	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	
108	575647.12	4146472.83	1.5	0.02011	0.00799	0.00823		0.02011	0.00799	0.00823		0.00098	0.02	0.01	0.01	0.02	0.00	0.02	
109	575654.07	4146471.94	1.5	0.02356	0.009	0.00904		0.02356	0.009	0.00904		0.00104	0.02	0.01	0.01	0.02	0.00	0.02	
110	575690.09	4146429.45	1.5	0.04032	0.01333	0.01229		0.04032	0.01333	0.01229		0.00147	0.04	0.01	0.01	0.04	0.00	0.04	
111	575697.04	4146428.57	1.5	0.04577	0.01473	0.01336		0.04577	0.01473	0.01336		0.00157	0.05	0.01	0.01	0.05	0.00	0.05	
112	575703.98	4146427.68	1.5	0.05175	0.01624	0.01451		0.05175	0.01624	0.01451		0.00168	0.05	0.02	0.01	0.05	0.00	0.05	
113	575689.51	4146416	1.5	0.03605	0.0122	0.01145		0.03605	0.0122	0.01145		0.00145	0.04	0.01	0.01	0.04	0.00	0.04	
114	575696.45	4146415.11	1.5	0.04056	0.0134	0.01239		0.04056	0.0134	0.01239		0.00154	0.04	0.01	0.01	0.04	0.00	0.04	
115	575703.39	4146414.23	1.5	0.0455	0.0147	0.01341		0.0455	0.0147	0.01341		0.00164	0.05	0.01	0.01	0.05	0.00	0.05	
116	575815.09	4146785.68	1	0.00507	0.01629	0.02472		0.00507	0.01629	0.02472		0.00073	0.01	0.02	0.02	0.02	0.00	0.02	YMCA
117	575822.08	4146785.51	1	0.00481	0.01452	0.02201		0.00481	0.01452	0.02201		0.00072	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
118	575829.08	4146785.35	1	0.00457	0.01306	0.01978		0.00457	0.01306	0.01978		0.00072	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
119	575836.08	4146785.18	1	0.00436	0.01185	0.01792		0.00436	0.01185	0.01792		0.00071	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
120	575843.08	4146785.01	1	0.00417	0.01081	0.01633		0.00417	0.01081	0.01633		0.0007	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
121	575850.08	4146784.84	1	0.00401	0.00992	0.01497		0.00401	0.00992	0.01497		0.00069	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
122	575815.25	4146792.68	1	0.00475	0.01359	0.02058		0.00475	0.01359	0.02058		0.00068	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
123	575822.25	4146792.51	1	0.0045	0.01224	0.01851		0.0045	0.01224	0.01851		0.00067	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
124	575829.25	4146792.34	1	0.00428	0.01113	0.0168		0.00428	0.01113	0.0168		0.00067	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
125	575836.25	4146792.17	1	0.00409	0.01019	0.01536		0.00409	0.01019	0.01536		0.00066	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
126	575843.25	4146792.01	1	0.00392	0.00938	0.01412		0.00392	0.00938	0.01412		0.00065	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
127	575850.24	4146791.84	1	0.00376	0.00868	0.01303		0.00376	0.00868	0.01303		0.00064	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
128	575815.42	4146799.68	1	0.00446	0.01155	0.01744		0.00446	0.01155	0.01744		0.00065	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
129	575822.42	4146799.51	1	0.00423	0.01049	0.01581		0.00423	0.01049	0.01581		0.00063	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
130	575829.42	4146799.34	1	0.00403	0.00961	0.01446		0.00403	0.00961	0.01446		0.00062	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
131	575836.42	4146799.17	1	0.00385	0.00886	0.01331		0.00385	0.00886	0.01331		0.00062	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
132	575843.41	4146799	1	0.00369	0.00821	0.01232		0.00369	0.00821	0.01232		0.00061	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
133	575850.41	4146798.84	1	0.00354	0.00764	0.01144		0.00354	0.00764	0.01144		0.0006	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
134	575815.59	4146806.68	1	0.00419	0.00998	0.01501		0.00419	0.00998	0.01501		0.00062	0.00	0.01	0.02	0.02	0.00	0.02	YMCA
135	575822.59	4146806.51	1	0.00398	0.00911	0.01369		0.00398	0.00911	0.01369		0.0006	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
136	575829.59	4146806.34	1	0.00379	0.00839	0.01259		0.00379	0.00839	0.01259		0.00059	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
137	575836.58	4146806.17	1	0.00363	0.00778	0.01165		0.00363	0.00778	0.01165		0.00058	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
138	575843.58	4146806	1	0.00348	0.00725	0.01083		0.00348	0.00725	0.01083		0.00058	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
139	575850.58	4146805.83	1	0.00334	0.00677	0.01011		0.00334	0.00677	0.01011		0.00057	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
140	575815.76	4146813.67	1	0.00395	0.00873	0.01309		0.00395	0.00873	0.01309		0.00059	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
141	575822.76	4146813.51	1	0.00376	0.00802	0.012		0.00376	0.00802	0.012		0.00058	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
142	575829.76	4146813.34	1	0.00358	0.00741	0.01108		0.00358	0.00741	0.01108		0.00057	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
143	575836.75	4146813.17	1	0.00343	0.0069	0.01029		0.00343	0.0069	0.01029		0.00056	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
144	575843.75	4146813	1	0.00329	0.00644	0.0096		0.00329	0.00644	0.0096		0.00055	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
145	575850.75	4146812.83	1	0.00316	0.00605	0.00899		0.00316	0.00605	0.00899		0.00054	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
146	575808.93	4146820.84	1	0.00393	0.00843	0.01264		0.00393	0.00843	0.01264		0.00059	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
147	575815.93	4146820.67	1	0.00373	0.00773	0.01154		0.00373	0.00773	0.01154		0.00057	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
148	575822.93	4146820.5	1	0.00355	0.00712	0.01062		0.00355	0.00712	0.01062		0.00056	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
149	575829.92	4146820.34	1	0.00339	0.00661	0.00985		0.00339	0.00661	0.00985		0.00054	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
150	575809.1	4146827.84	1	0.00371	0.0075	0.0112		0.00371	0.0075	0.0112		0.00057	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
151	575816.1	4146827.67	1	0.00353	0.0069	0.01027		0.00353	0.0069	0.01027		0.00055	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
152	575823.09	4146827.5	1	0.00336	0.00638	0.00949		0.00336	0.00638	0.00949		0.00054	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
153	575830.09	4146827.33	1	0.00321	0.00594	0.00882		0.00321	0.00594	0.00882		0.00053	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
154	575809.27	4146834.84	1	0.00352	0.00673	0.01001		0.00352	0.00673	0.01001		0.00056	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
155	575816.27	4146834.67	1	0.00335	0.0062	0.00922		0.00335	0.0062	0.00922		0.00054	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
156	575823.26	4146834.5	1	0.00319	0.00576	0.00854		0.00319	0.00576	0.00854		0.00053	0.00	0.01	0.01	0.01	0.00	0.01	YMCA
157	575830.26	4146834.33	1	0.00305	0.00538	0.00796		0.00305	0.00538	0.00796		0.00051	0.00	0.01	0.01	0.01	0.00	0.01	YMCA

2120 - 2160 Euclid Avenue, East Palo Alto, CA

Standby Emergency Generator Impacts per Generator

Off-site Sensitive Receptors

MEI Location = 1.5 meter receptor height

DPM Emission Rates		
	DPM Emissions per Generator	
	Max Daily	Annual
Source Type	(lb/day)	(lb/year)
(1) 900kW Generator	0.040	14.57
CalEEMod DPM Emissions	0.007284	tons/year

Modeling Information	
Model	AERMOD
Source	Diesel Generator Engine
Source Type	Point
Meteorological Data	2013 - 2017 San Jose International Airport Meteorological Data
Point Source Stack Parameters	
Generator Engine Size (hp)	1207
Stack Height (ft)**	12.00
Stack Diameter (ft)**	0.60
Exhaust Gas Flowrate (CFM)*	2527.73
Stack Exit Velocity (ft/sec)**	149.00
Exhaust Temperature (˚F)**	872.00
Emissions Rate (lb/hr)	0.001663

* AERMOD default

**Air District default generator parameters

Attachment 3: Cumulative Screening and Health Risk Modeling from Existing TAC Sources

File Name: US 102 2027.EF
CT-EMFAC2021 Version: 1.0.2.0
Run Date: ########
Area: San Mateo (SF)
Analysis Year: 2027
Season: Annual

==========

Vehicle Category	VMT Fracti Across Ca	Diesel VM Within Cat	Gas VMT Fraction Within Category
Truck 1	0.026	0.387	0.573
Truck 2	0.017	0.801	0.132
Non-Truck	0.957	0.01	0.924

==========

Road Type: Freeway
Silt Loading Factor: CARB 0.015 g/m2
Precipitation Correction: CARB P = 74 day N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mpl	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.007574	0.004974	0.003384	0.002419	0.001832	0.001464	0.001232	0.001096	0.001033	0.001031	0.001086	0.001195	0.001362	0.001452	0.001452
TOG	0.107904	0.070138	0.046906	0.033451	0.025446	0.020384	0.017099	0.014994	0.013737	0.013166	0.013202	0.013929	0.015384	0.016433	0.016433
Diesel PM	0.000958	0.000848	0.000641	0.000493	0.000409	0.000354	0.00032	0.000305	0.00031	0.000334	0.000378	0.000434	0.000494	0.000495	0.000495

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
TOG	0.786026

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002073

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	<= 5 mpl	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.003691	0.004243	0.004791	0.005331	0.005571	0.005598	0.005603	0.00513	0.00415	0.003177	0.002551	0.002248	0.001946	0.001946	0.001946

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.008142

==========END==========

File Name: US 102 2029.EF
CT-EMFAC2021 Version: 1.0.2.0
Run Date: ########
Area: San Mateo (SF)
Analysis Year: 2029
Season: Annual

==========

Vehicle Category	VMT Fracti Across Ca	Diesel VM Within Cat	Gas VMT Fraction Within Category
Truck 1	0.026	0.379	0.541
Truck 2	0.017	0.772	0.127
Non-Truck	0.957	0.01	0.919

==========

Road Type: Freeway
Silt Loading Factor: CARB 0.015 g/m2
Precipitation Correction: CARB P = 74 day N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mpl	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.006556	0.0043	0.002932	0.002102	0.001594	0.001275	0.001075	0.000958	0.000906	0.000906	0.000957	0.001055	0.001206	0.001283	0.001283
TOG	0.097344	0.063192	0.042298	0.030232	0.023041	0.018494	0.015545	0.013653	0.012519	0.012	0.012021	0.01266	0.013949	0.014874	0.014874
Diesel PM	0.000792	0.0007	0.000539	0.000423	0.000354	0.000308	0.00028	0.000269	0.000276	0.000299	0.00034	0.000392	0.00045	0.000451	0.000451

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
TOG	0.737464

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002073

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	<= 5 mpl	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.00368	0.004236	0.004788	0.005333	0.005571	0.005591	0.005588	0.005111	0.004133	0.003163	0.002536	0.002232	0.001929	0.001929	0.001929

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.008222

==========END==========

File Name: Local Roadways 2027.EF
CT-EMFAC2021 Version: 1.0.2.0
Run Date: ########
Area: San Mateo (SF)
Analysis Year: 2027
Season: Annual

==========

Vehicle Category	VMT Fracti Across Ca	Diesel VM Within Cat	Gas VMT Fraction Within Category
Truck 1	0.042	0.387	0.573
Truck 2	0.02	0.801	0.132
Non-Truck	0.938	0.01	0.924

==========

Road Type: Major/Collector
Silt Loading Factor: CARB 0.032 g/m2
Precipitation Correction: CARB P = 74 day N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mpl	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.007797	0.005183	0.003564	0.002571	0.001962	0.001576	0.001331	0.001185	0.001116	0.001113	0.001172	0.001288	0.001466	0.001562	0.001562
TOG	0.11023	0.072055	0.048347	0.034628	0.026453	0.02125	0.017842	0.01563	0.014281	0.013634	0.01361	0.014301	0.015728	0.016759	0.016759
Diesel PM	0.001287	0.00113	0.000868	0.000678	0.000563	0.000485	0.000433	0.000406	0.000404	0.000427	0.000474	0.000537	0.000604	0.000605	0.000605

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
TOG	0.786121

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002088

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	<= 5 mpl	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.004179	0.00472	0.005256	0.005784	0.00601	0.006033	0.006028	0.005559	0.004593	0.003636	0.003022	0.002726	0.002429	0.002429	0.002429

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.016759

==========END==========

File Name: Local Roadways 2029.EF
CT-EMFAC2021 Version: 1.0.2.0
Run Date: ########
Area: San Mateo (SF)
Analysis Year: 2029
Season: Annual

==========

Vehicle Category	VMT Fracti Across Ca	Diesel VM Within Cat	Gas VMT Fraction Within Category
Truck 1	0.044	0.379	0.541
Truck 2	0.02	0.772	0.127
Non-Truck	0.936	0.01	0.919

==========

Road Type: Major/Collector
Silt Loading Factor: CARB 0.032 g/m2
Precipitation Correction: CARB P = 74 day N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mpl	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.006766	0.004501	0.003109	0.002255	0.001726	0.00139	0.001175	0.001049	0.00099	0.000989	0.001042	0.001147	0.001308	0.001392	0.001392
TOG	0.099238	0.064824	0.043575	0.03131	0.023979	0.019309	0.016247	0.014252	0.013028	0.01243	0.012384	0.012976	0.014224	0.015119	0.01512
Diesel PM	0.001107	0.000971	0.000761	0.000606	0.000508	0.000439	0.000394	0.000371	0.00037	0.000391	0.000434	0.000493	0.000558	0.000559	0.000559

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
TOG	0.736405

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002089

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	<= 5 mpl	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.004207	0.00475	0.00529	0.005821	0.006045	0.00606	0.006048	0.005576	0.004615	0.003662	0.003049	0.002752	0.002455	0.002455	0.002455

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.016949

==========END==========

2120 - 2160 Euclid Ave, East Palo Alto, CA - U.S. 101 Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
at Project MEI Receptor (1.5 meter receptor height)

Emission Year	2026
Receptor Information	Project MEI receptor
Number of Receptors	1
Receptor Height	1.5 meters
Receptor Distances	At Project MEI location
Meteorological Conditions	
BAAQMD Moffett Field Airport Met Data	2013 - 2017
Land Use Classification	Urban
Wind Speed	Variable
Wind Direction	Variable

Construction MEI Cancer Risk Maximum Concentrations

Meteorological	Concentration (µg/m3)		
Data Years	DPM	Exhaust TOG	Evaporative TOG
2013 - 2017	0.0058	0.2559	0.2017

Construction MEI PM2.5 Maximum Concentrations

Meteorological	PM2.5 Concentration (µg/m3)		
Data Years	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5
2013 - 2017	0.2256	0.2042	0.0215

2120 - 2160 Euclid Ave, East Palo Alto, CA - Highway 101 Traffic Cancer Risk
Impacts at Project MEI - 1.5 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2026	10	0.0058	0.2559	0.2017	0.079	0.020	0.0009	0.10
1	1	0 - 1	2026	10	0.0058	0.2559	0.2017	0.958	0.240	0.0111	1.21
2	1	1 - 2	2027	10	0.0058	0.2559	0.2017	0.958	0.240	0.0111	1.21
3	1	2 - 3	2028	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
4	1	3 - 4	2029	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
5	1	4 - 5	2030	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
6	1	5 - 6	2031	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
7	1	6 - 7	2032	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
8	1	7 - 8	2033	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
9	1	8 - 9	2034	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
10	1	9 - 10	2035	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
11	1	10 - 11	2036	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
12	1	11 - 12	2037	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
13	1	12 - 13	2038	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
14	1	13 - 14	2039	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
15	1	14 - 15	2040	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
16	1	15 - 16	2041	3	0.0058	0.2559	0.2017	0.151	0.038	0.0018	0.19
17	1	16-17	2042	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
18	1	17-18	2043	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
19	1	18-19	2044	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
20	1	19-20	2045	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
21	1	20-21	2046	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
22	1	21-22	2047	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
23	1	22-23	2048	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
24	1	23-24	2049	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
25	1	24-25	2050	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
26	1	25-26	2051	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
27	1	26-27	2052	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
28	1	27-28	2053	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
29	1	28-29	2054	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
30	1	29-30	2055	1	0.0058	0.2559	0.2017	0.017	0.004	0.0002	0.02
Total Increased Cancer Risk								4.34	1.087	0.050	**5.48**

Maximum Hazard Index	Maximum Fugitive PM2.5	Total PM2.5
0.00117	0.20	0.23

* Third trimester of pregnancy

2120 - 2160 Euclid Ave, East Palo Alto, CA - University Avenue Traffic - TACs & PM2.
AERMOD Risk Modeling Parameters and Maximum Concentrations
at Project MEI Receptor (1.5 meter receptor height)

Emission Year	2026
Receptor Information	Project MEI receptor
Number of Receptors	1
Receptor Height	1.5 meters
Receptor Distances	At Project MEI location
Meteorological Conditions	
BAAQMD Moffett Field Airport Met Data	2013 - 2017
Land Use Classification	Urban
Wind Speed	Variable
Wind Direction	Variable

Construction MEI Cancer Risk Maximum Concentrations

Meteorological	Concentration (µg/m3)		
Data Years	DPM	Exhaust TOG	Evaporative TOG
2013 - 2017	0.0005	0.0310	0.0369

Construction MEI PM2.5 Maximum Concentrations

Meteorological	PM2.5 Concentration (µg/m3)		
Data Years	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5
2013 - 2017	0.0315	0.0292	0.0023

2120 - 2160 Euclid Ave, East Palo Alto, CA - University Avenue Traffic Cancer Risk
Impacts at Project MEI - 1.5 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2026	10	0.0005	0.0310	0.0369	0.007	0.002	0.0002	0.01
1	1	0 - 1	2026	10	0.0005	0.0310	0.0369	0.087	0.029	0.0020	0.12
2	1	1 - 2	2027	10	0.0005	0.0310	0.0369	0.087	0.029	0.0020	0.12
3	1	2 - 3	2028	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
4	1	3 - 4	2029	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
5	1	4 - 5	2030	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
6	1	5 - 6	2031	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
7	1	6 - 7	2032	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
8	1	7 - 8	2033	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
9	1	8 - 9	2034	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
10	1	9 - 10	2035	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
11	1	10 - 11	2036	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
12	1	11 - 12	2037	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
13	1	12 - 13	2038	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
14	1	13 - 14	2039	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
15	1	14 - 15	2040	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
16	1	15 - 16	2041	3	0.0005	0.0310	0.0369	0.014	0.005	0.0003	0.02
17	1	16-17	2042	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
18	1	17-18	2043	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
19	1	18-19	2044	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
20	1	19-20	2045	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
21	1	20-21	2046	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
22	1	21-22	2047	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
23	1	22-23	2048	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
24	1	23-24	2049	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
25	1	24-25	2050	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
26	1	25-26	2051	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
27	1	26-27	2052	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
28	1	27-28	2053	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
29	1	28-29	2054	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
30	1	29-30	2055	1	0.0005	0.0310	0.0369	0.002	0.001	0.0000	0.00
Total Increased Cancer Risk								0.39	0.132	0.009	**0.54**

Maximum Hazard Index	Maximum Fugitive PM2.5	Total PM2.5
0.00011	0.03	0.03

* Third trimester of pregnancy

2120 - 2160 Euclid Ave, East Palo Alto, CA - Donohoe Street Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
at Project MEI Receptor (1.5 meter receptor height)

Emission Year	2026
Receptor Information	Project MEI receptor
Number of Receptors	1
Receptor Height	1.5 meters
Receptor Distances	At Project MEI location
Meteorological Conditions	
BAAQMD Moffett Field Airport Met Data	2013 - 2017
Land Use Classification	Urban
Wind Speed	Variable
Wind Direction	Variable

Construction MEI Cancer Risk Maximum Concentrations

Meteorological Data Years	Concentration (µg/m3)		
	DPM	Exhaust TOG	Evaporative TOG
2013 - 2017	0.0013	0.0794	0.0944

Construction MEI PM2.5 Maximum Concentrations

Meteorological Data Years	PM2.5 Concentration (µg/m3)		
	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5
2013 - 2017	0.0806	0.0747	0.0059

2120 - 2160 Euclid Ave, East Palo Alto, CA - Donohoe Street Traffic Cancer Risk
Impacts at Project MEI - 1.5 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
Parameter				
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2026	10	0.0013	0.0794	0.0944	0.018	0.006	0.0004	0.02
1	1	0 - 1	2026	10	0.0013	0.0794	0.0944	0.214	0.074	0.0052	0.29
2	1	1 - 2	2027	10	0.0013	0.0794	0.0944	0.214	0.074	0.0052	0.29
3	1	2 - 3	2028	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
4	1	3 - 4	2029	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
5	1	4 - 5	2030	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
6	1	5 - 6	2031	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
7	1	6 - 7	2032	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
8	1	7 - 8	2033	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
9	1	8 - 9	2034	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
10	1	9 - 10	2035	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
11	1	10 - 11	2036	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
12	1	11 - 12	2037	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
13	1	12 - 13	2038	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
14	1	13 - 14	2039	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
15	1	14 - 15	2040	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
16	1	15 - 16	2041	3	0.0013	0.0794	0.0944	0.034	0.012	0.0008	0.05
17	1	16-17	2042	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
18	1	17-18	2043	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
19	1	18-19	2044	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
20	1	19-20	2045	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
21	1	20-21	2046	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
22	1	21-22	2047	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
23	1	22-23	2048	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
24	1	23-24	2049	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
25	1	24-25	2050	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
26	1	25-26	2051	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
27	1	26-27	2052	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
28	1	27-28	2053	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
29	1	28-29	2054	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
30	1	29-30	2055	1	0.0013	0.0794	0.0944	0.004	0.001	0.0001	0.01
Total Increased Cancer Risk								0.97	0.337	0.024	**1.33**

Maximum Hazard Index	**Maximum Fugitive PM2.5**	**Total PM2.5**
0.00026	0.07	0.08

* Third trimester of pregnancy

2120 - 2160 Euclid Ave, East Palo Alto, CA - U.S. 101 Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
at Onsite Max TAC Receptor (5.5, 8.8 meter receptor height)

Emission Year	2029
Receptor Information	Onsite Max TAC receptor
Number of Receptors	73
Receptor Height	5.5, 8.8 meters
Receptor Distances	At Onsite Max TAC location

Meteorological Conditions

BAAQMD Moffett Field Airport Met Data	2013 - 2017
Land Use Classification	Urban
Wind Speed	Variable
Wind Direction	Variable

Construction MEI Cancer Risk Maximum Concentrations

Meteorological	Concentration (µg/m3)			
Data Years	DPM	Exhaust TOG	Evaporative TOG	
2013 - 2017	0.0108	0.4115	0.3431	2nd Floor
2013 - 2017	0.0088	0.2838	0.2381	3rd Floor

Construction MEI PM2.5 Maximum Concentrations

Meteorological	PM2.5 Concentration (µg/m3)			
Data Years	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5	
2013 - 2017	0.4036	0.3686	0.0350	2nd Floor
2013 - 2017	0.2793	0.2551	0.0241	3rd Floor

2120 - 2160 Euclid Ave, East Palo Alto, CA - Highway 101 Traffic Cancer Risk
Impacts at Onsite Max TAC Location - 5.5 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age --> Parameter	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2029	10	0.0108	0.4115	0.3431	0.146	0.032	0.0016	0.18
1	1	0 - 1	2029	10	0.0108	0.4115	0.3431	1.766	0.386	0.0190	2.17
2	1	1 - 2	2030	10	0.0108	0.4115	0.3431	1.766	0.386	0.0190	2.17
3	1	2 - 3	2031	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
4	1	3 - 4	2032	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
5	1	4 - 5	2033	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
6	1	5 - 6	2034	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
7	1	6 - 7	2035	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
8	1	7 - 8	2036	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
9	1	8 - 9	2037	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
10	1	9 - 10	2038	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
11	1	10 - 11	2039	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
12	1	11 - 12	2040	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
13	1	12 - 13	2041	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
14	1	13 - 14	2042	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
15	1	14 - 15	2043	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
16	1	15 - 16	2044	3	0.0108	0.4115	0.3431	0.278	0.061	0.0030	0.34
17	1	16-17	2045	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
18	1	17-18	2046	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
19	1	18-19	2047	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
20	1	19-20	2048	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
21	1	20-21	2049	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
22	1	21-22	2050	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
23	1	22-23	2051	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
24	1	23-24	2052	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
25	1	24-25	2053	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
26	1	25-26	2054	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
27	1	26-27	2055	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
28	1	27-28	2056	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
29	1	28-29	2057	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
30	1	29-30	2058	1	0.0108	0.4115	0.3431	0.031	0.007	0.0003	0.04
Total Increased Cancer Risk								8.00	1.748	0.086	**9.84**
* Third trimester of pregnancy										**With MERV 13**	**2.95**

Maximum		
Hazard Index	**Fugitive PM2.5**	**Total PM2.5**
0.00215	0.37	0.40

2120 - 2160 Euclid Ave, East Palo Alto, CA - Highway 101 Traffic Cancer Risk
Impacts at Onsite Max TAC Location - 8.8 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age --> Parameter	3rd Trimester	0 - 2	2 - 16	16 - 30
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
0	0.25	-0.25 - 0*	2029	10	0.0088	0.2838	0.2381	0.119	0.022	0.0011	0.14
1	1	0 - 1	2029	10	0.0088	0.2838	0.2381	1.442	0.266	0.0132	1.72
2	1	1 - 2	2030	10	0.0088	0.2838	0.2381	1.442	0.266	0.0132	1.72
3	1	2 - 3	2031	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
4	1	3 - 4	2032	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
5	1	4 - 5	2033	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
6	1	5 - 6	2034	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
7	1	6 - 7	2035	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
8	1	7 - 8	2036	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
9	1	8 - 9	2037	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
10	1	9 - 10	2038	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
11	1	10 - 11	2039	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
12	1	11 - 12	2040	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
13	1	12 - 13	2041	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
14	1	13 - 14	2042	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
15	1	14 - 15	2043	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
16	1	15 - 16	2044	3	0.0088	0.2838	0.2381	0.227	0.042	0.0021	0.27
17	1	16-17	2045	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
18	1	17-18	2046	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
19	1	18-19	2047	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
20	1	19-20	2048	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
21	1	20-21	2049	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
22	1	21-22	2050	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
23	1	22-23	2051	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
24	1	23-24	2052	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
25	1	24-25	2053	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
26	1	25-26	2054	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
27	1	26-27	2055	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
28	1	27-28	2056	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
29	1	28-29	2057	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
30	1	29-30	2058	1	0.0088	0.2838	0.2381	0.025	0.005	0.0002	0.03
Total Increased Cancer Risk								6.53	1.206	0.060	**7.80**
* Third trimester of pregnancy										**With MERV 13**	**2.34**

Maximum		
Hazard Index	Fugitive PM2.5	Total PM2.5
0.00176	0.26	0.28

2120 - 2160 Euclid Ave, East Palo Alto, CA - University Avenue Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
at Onsite Phase 1 Max TAC Receptor (5.5, 8.8 meter receptor height)

Emission Year	2029
Receptor Information	Onsite Max TAC receptor
Number of Receptors	73
Receptor Height	5.5, 8.8 meters
Receptor Distances	At Onsite Max TAC location

Meteorological Conditions

BAAQMD Moffett Field Airport Met Data	2013 - 2017
Land Use Classification	Urban
Wind Speed	Variable
Wind Direction	Variable

Construction MEI Cancer Risk Maximum Concentrations

Meteorological Data Years	Concentration (µg/m3) DPM	Exhaust TOG	Evaporative TOG	
2013 - 2017				1st Floor
2013 - 2017	0.0011	0.0616	0.0757	2nd Floor
2013 - 2017	0.0009	0.0492	0.0605	3rd Floor

Construction MEI PM2.5 Maximum Concentrations

Meteorological Data Years	PM2.5 Concentration (µg/m3) Total PM2.5	Fugitive PM2.5	Vehicle PM2.5	
2013 - 2017				1st Floor
2013 - 2017	0.0689	0.0645	0.0044	2nd Floor
2013 - 2017	0.0550	0.0515	0.0035	3rd Floor

2120 - 2160 Euclid Ave, East Palo Alto, CA - University Avenue Traffic Cancer Risk
Impacts at Onsite Max TAC Location - 5.5 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age --> Parameter	3rd Trimester	0 - 2	2 - 16	16 - 30
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
0	0.25	-0.25 - 0*	2029	10	0.0011	0.0616	0.0757	0.015	0.005	0.0003	0.02
1	1	0 - 1	2029	10	0.0011	0.0616	0.0757	0.177	0.058	0.0042	0.24
2	1	1 - 2	2030	10	0.0011	0.0616	0.0757	0.177	0.058	0.0042	0.24
3	1	2 - 3	2031	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
4	1	3 - 4	2032	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
5	1	4 - 5	2033	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
6	1	5 - 6	2034	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
7	1	6 - 7	2035	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
8	1	7 - 8	2036	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
9	1	8 - 9	2037	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
10	1	9 - 10	2038	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
11	1	10 - 11	2039	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
12	1	11 - 12	2040	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
13	1	12 - 13	2041	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
14	1	13 - 14	2042	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
15	1	14 - 15	2043	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
16	1	15 - 16	2044	3	0.0011	0.0616	0.0757	0.028	0.009	0.0007	0.04
17	1	16-17	2045	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
18	1	17-18	2046	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
19	1	18-19	2047	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
20	1	19-20	2048	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
21	1	20-21	2049	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
22	1	21-22	2050	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
23	1	22-23	2051	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
24	1	23-24	2052	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
25	1	24-25	2053	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
26	1	25-26	2054	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
27	1	26-27	2055	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
28	1	27-28	2056	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
29	1	28-29	2057	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
30	1	29-30	2058	1	0.0011	0.0616	0.0757	0.003	0.001	0.0001	0.00
Total Increased Cancer Risk								0.80	0.262	0.019	**1.08**
* Third trimester of pregnancy										**With MERV 13**	**0.33**

Maximum		
Hazard Index	Fugitive PM2.5	Total PM2.5
0.00022	0.06	0.07

2120 - 2160 Euclid Ave, East Palo Alto, CA - University Avenue Traffic Cancer Risk
Impacts at Onsite Max TAC Location - 8.8 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age --> Parameter	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2029	10	0.0009	0.0492	0.0605	0.013	0.004	0.0003	0.02
1	1	0 - 1	2029	10	0.0009	0.0492	0.0605	0.153	0.046	0.0033	0.20
2	1	1 - 2	2030	10	0.0009	0.0492	0.0605	0.153	0.046	0.0033	0.20
3	1	2 - 3	2031	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
4	1	3 - 4	2032	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
5	1	4 - 5	2033	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
6	1	5 - 6	2034	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
7	1	6 - 7	2035	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
8	1	7 - 8	2036	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
9	1	8 - 9	2037	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
10	1	9 - 10	2038	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
11	1	10 - 11	2039	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
12	1	11 - 12	2040	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
13	1	12 - 13	2041	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
14	1	13 - 14	2042	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
15	1	14 - 15	2043	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
16	1	15 - 16	2044	3	0.0009	0.0492	0.0605	0.024	0.007	0.0005	0.03
17	1	16-17	2045	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
18	1	17-18	2046	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
19	1	18-19	2047	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
20	1	19-20	2048	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
21	1	20-21	2049	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
22	1	21-22	2050	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
23	1	22-23	2051	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
24	1	23-24	2052	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
25	1	24-25	2053	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
26	1	25-26	2054	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
27	1	26-27	2055	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
28	1	27-28	2056	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
29	1	28-29	2057	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
30	1	29-30	2058	1	0.0009	0.0492	0.0605	0.003	0.001	0.0001	0.00
Total Increased Cancer Risk								0.69	0.209	0.015	**0.92**
* Third trimester of pregnancy										**With MERV 13**	**0.27**

Maximum		
Hazard Index	**Fugitive PM2.5**	**Total PM2.5**
0.00019	0.05	0.06

2120 - 2160 Euclid Ave, East Palo Alto, CA - Donohoe Street Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
at Onsite Phase 1 Max TAC Receptor (5.5, 8.8 meter receptor height)

Emission Year	2029
Receptor Information	Onsite Max TAC receptor
Number of Receptors	73
Receptor Height	5.5, 8.8 meters
Receptor Distances	At Onsite Max TAC location

Meteorological Conditions

BAAQMD Moffett Field Airport Met Data	2013 - 2017
Land Use Classification	Urban
Wind Speed	Variable
Wind Direction	Variable

Construction MEI Cancer Risk Maximum Concentrations

Meteorological Data Years	Concentration (µg/m3) DPM	Exhaust TOG	Evaporative TOG	
2013 - 2017				1st Floor
2013 - 2017	0.0026	0.1277	0.1562	2nd Floor
2013 - 2017	0.0019	0.0560	0.0685	3rd Floor

Construction MEI PM2.5 Maximum Concentrations

Meteorological Data Years	PM2.5 Concentration (µg/m3) Total PM2.5	Fugitive PM2.5	Vehicle PM2.5	
2013 - 2017				1st Floor
2013 - 2017	0.1426	0.1334	0.0092	2nd Floor
2013 - 2017	0.0625	0.0585	0.0040	3rd Floor

2120 - 2160 Euclid Ave, East Palo Alto, CA - Donohoe Street Traffic Cancer Risk
Impacts at Onsite Max TAC Location - 5.5 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age --> Parameter	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2029	10	0.0026	0.1277	0.1562	0.035	0.010	0.0007	0.05
1	1	0 - 1	2029	10	0.0026	0.1277	0.1562	0.424	0.120	0.0086	0.55
2	1	1 - 2	2030	10	0.0026	0.1277	0.1562	0.424	0.120	0.0086	0.55
3	1	2 - 3	2031	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
4	1	3 - 4	2032	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
5	1	4 - 5	2033	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
6	1	5 - 6	2034	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
7	1	6 - 7	2035	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
8	1	7 - 8	2036	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
9	1	8 - 9	2037	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
10	1	9 - 10	2038	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
11	1	10 - 11	2039	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
12	1	11 - 12	2040	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
13	1	12 - 13	2041	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
14	1	13 - 14	2042	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
15	1	14 - 15	2043	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
16	1	15 - 16	2044	3	0.0026	0.1277	0.1562	0.067	0.019	0.0014	0.09
17	1	16-17	2045	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
18	1	17-18	2046	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
19	1	18-19	2047	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
20	1	19-20	2048	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
21	1	20-21	2049	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
22	1	21-22	2050	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
23	1	22-23	2051	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
24	1	23-24	2052	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
25	1	24-25	2053	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
26	1	25-26	2054	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
27	1	26-27	2055	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
28	1	27-28	2056	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
29	1	28-29	2057	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
30	1	29-30	2058	1	0.0026	0.1277	0.1562	0.007	0.002	0.0002	0.01
Total Increased Cancer Risk								1.92	0.543	0.039	**2.50**
* Third trimester of pregnancy										**With MERV 13**	**0.75**

Maximum		
Hazard Index	**Fugitive PM2.5**	**Total PM2.5**
0.00052	0.13	0.14

2120 - 2160 Euclid Ave, East Palo Alto, CA - Donohoe Street Traffic Cancer Risk
Impacts at Onsite Max TAC Location - 8.8 meter receptor height
30 Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air $(\mu g/m^3)$
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

Values

	Infant/Child			Adult
Age --> Parameter	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 - 30**
ASF =	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

Maximum - Exposure Information					Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
Exposure Year	**Exposure Duration (years)**	**Age**	**Year**	**Age Sensitivity Factor**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	**DPM**	**Exhaust TOG**	**Evaporative TOG**	
0	0.25	-0.25 - 0*	2029	10	0.0019	0.0560	0.0685	0.026	0.004	0.0003	0.03
1	1	0 - 1	2029	10	0.0019	0.0560	0.0685	0.314	0.052	0.0038	0.37
2	1	1 - 2	2030	10	0.0019	0.0560	0.0685	0.314	0.052	0.0038	0.37
3	1	2 - 3	2031	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
4	1	3 - 4	2032	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
5	1	4 - 5	2033	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
6	1	5 - 6	2034	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
7	1	6 - 7	2035	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
8	1	7 - 8	2036	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
9	1	8 - 9	2037	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
10	1	9 - 10	2038	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
11	1	10 - 11	2039	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
12	1	11 - 12	2040	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
13	1	12 - 13	2041	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
14	1	13 - 14	2042	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
15	1	14 - 15	2043	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
16	1	15 - 16	2044	3	0.0019	0.0560	0.0685	0.049	0.008	0.0006	0.06
17	1	16-17	2045	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
18	1	17-18	2046	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
19	1	18-19	2047	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
20	1	19-20	2048	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
21	1	20-21	2049	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
22	1	21-22	2050	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
23	1	22-23	2051	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
24	1	23-24	2052	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
25	1	24-25	2053	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
26	1	25-26	2054	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
27	1	26-27	2055	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
28	1	27-28	2056	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
29	1	28-29	2057	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
30	1	29-30	2058	1	0.0019	0.0560	0.0685	0.005	0.001	0.0001	0.01
Total Increased Cancer Risk								1.42	0.238	0.017	**1.68**
* Third trimester of pregnancy										**With MERV 13**	**0.50**

Maximum		
Hazard Index	**Fugitive PM2.5**	**Total PM2.5**
0.00038	0.06	0.06

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - US 101
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	RLINE Area (sq m)	RLINE Area (sq ft)	RLINE Emission (g/s/m2)	RLINE Emission (lb/hr/ft2)	RLINE Initial Vertical height (m)	RLINE (Sigma z) Initial Vertical Dimension
DPM_NB_101	Highway 101 Northbound	NB	4	852.7	0.53	20.6	67.7	3.4	64	107,120	17,592	189,354	1.845E-08	1.360E-08	6.8	3.16
DPM_SB_101	Highway 101 Southbound	SB	4	857.9	0.53	20.6	67.7	3.4	64	107,120	17,699	190,509	1.845E-08	1.360E-08	6.8	3.16
									Total	214,240						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	70	65	60	55
Emissions per Vehicle (g/VMT)	0.00049	0.000434	0.000378	0.000334

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and DPM Emissions - DPM_NB_101

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.38%	1479	1.08E-04	9	5.15%	5515	3.07E-04	17	6.18%	6617	3.25E-04
2	0.93%	995	7.24E-05	10	5.46%	5852	3.26E-04	18	6.02%	6452	3.17E-04
3	0.83%	889	6.46E-05	11	5.65%	6051	3.37E-04	19	5.71%	6121	3.01E-04
4	0.93%	997	7.25E-05	12	5.63%	6026	3.35E-04	20	5.17%	5540	3.54E-04
5	1.58%	1697	1.23E-04	13	5.64%	6037	3.86E-04	21	4.45%	4763	3.04E-04
6	2.90%	3107	2.26E-04	14	5.79%	6198	3.96E-04	22	3.96%	4245	2.71E-04
7	4.03%	4312	2.75E-04	15	6.20%	6643	3.70E-04	23	3.19%	3420	2.49E-04
8	4.80%	5145	3.29E-04	16	6.23%	6679	3.28E-04	24	2.18%	2340	1.70E-04
								Total		107,120	

2027 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SB_101

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.77%	1901	1.39E-04	9	5.61%	6006	2.97E-04	17	5.75%	6157	3.45E-04
2	1.32%	1415	1.03E-04	10	5.70%	6103	3.02E-04	18	5.71%	6112	3.42E-04
3	1.10%	1179	8.62E-05	11	5.76%	6174	3.46E-04	19	5.43%	5819	3.26E-04
4	1.06%	1135	8.30E-05	12	5.71%	6113	3.42E-04	20	4.91%	5260	3.38E-04
5	1.43%	1536	1.12E-04	13	5.73%	6136	3.43E-04	21	4.23%	4534	2.91E-04
6	2.47%	2642	1.93E-04	14	5.66%	6058	3.39E-04	22	3.89%	4162	2.67E-04
7	3.84%	4112	2.64E-04	15	5.78%	6189	3.46E-04	23	3.40%	3638	2.66E-04
8	5.46%	5844	3.27E-04	16	5.83%	6245	3.50E-04	24	2.47%	2649	1.94E-04
								Total		107,120	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - US 101
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_NB_101	Highway 101 Northbound	NB	4	852.7	0.53	20.6	68	1.3	63.958333	107,120	17,592	189,354	5.42E-08	4.00E-08	2.6	1.21
PM2.5_SB_101	Highway 101 Southbound	SB	4	857.9	0.53	20.6	68	1.3	63.75	107,120	17,699	190,509	5.42E-08	4.00E-08	2.6	1.21
									Total	214,240						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	70	65	60	55
Emissions per Vehicle (g/VMT)	0.00145	0.00136	0.00120	0.00109

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_NB_101

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.38%	1479	3.16E-04	9	5.15%	5515	9.70E-04	17	6.18%	6617	1.06E-03
2	0.93%	995	2.13E-04	10	5.46%	5852	1.03E-03	18	6.02%	6452	1.03E-03
3	0.83%	889	1.90E-04	11	5.65%	6051	1.06E-03	19	5.71%	6121	9.78E-04
4	0.93%	997	2.13E-04	12	5.63%	6026	1.06E-03	20	5.17%	5540	1.11E-03
5	1.58%	1697	3.63E-04	13	5.64%	6037	1.21E-03	21	4.45%	4763	9.55E-04
6	2.90%	3107	6.64E-04	14	5.79%	6198	1.24E-03	22	3.96%	4245	8.51E-04
7	4.03%	4312	8.64E-04	15	6.20%	6643	1.17E-03	23	3.19%	3420	7.31E-04
8	4.80%	5145	1.03E-03	16	6.23%	6679	1.07E-03	24	2.18%	2340	5.00E-04
								Total		107,120	

2027 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_SB_101

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.77%	1901	4.09E-04	9	5.61%	6006	9.66E-04	17	5.75%	6157	1.09E-03
2	1.32%	1415	3.04E-04	10	5.70%	6103	9.81E-04	18	5.71%	6112	1.08E-03
3	1.10%	1179	2.53E-04	11	5.76%	6174	1.09E-03	19	5.43%	5819	1.03E-03
4	1.06%	1135	2.44E-04	12	5.71%	6113	1.08E-03	20	4.91%	5260	1.06E-03
5	1.43%	1536	3.30E-04	13	5.73%	6136	1.09E-03	21	4.23%	4534	9.14E-04
6	2.47%	2642	5.68E-04	14	5.66%	6058	1.07E-03	22	3.89%	4162	8.39E-04
7	3.84%	4112	8.29E-04	15	5.78%	6189	1.10E-03	23	3.40%	3638	7.82E-04
8	5.46%	5844	1.03E-03	16	5.83%	6245	1.11E-03	24	2.47%	2649	5.69E-04
								Total		107,120	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - US 101
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_NB_101	Highway 101 Northbound	NB	4	852.7	0.53	20.6	68	1.3	63.958333	107,120	17,592	189,354	6.14E-07	4.52E-07	2.6	1.21
TEXH_SB_101	Highway 101 Southbound	SB	4	857.9	0.53	20.6	68	1.3	63.75	107,120	17,699	190,509	6.14E-07	4.52E-07	2.6	1.21
									Total	214,240						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	70	65	60	55
Emissions per Vehicle (g/VMT)	0.01643	0.01538	0.01393	0.01320

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NB_101

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.38%	1479	3.58E-03	9	5.15%	5515	1.13E-02	17	6.18%	6617	1.29E-02
2	0.93%	995	2.41E-03	10	5.46%	5852	1.20E-02	18	6.02%	6452	1.25E-02
3	0.83%	889	2.15E-03	11	5.65%	6051	1.24E-02	19	5.71%	6121	1.19E-02
4	0.93%	997	2.41E-03	12	5.63%	6026	1.24E-02	20	5.17%	5540	1.25E-02
5	1.58%	1697	4.10E-03	13	5.64%	6037	1.37E-02	21	4.45%	4763	1.08E-02
6	2.90%	3107	7.52E-03	14	5.79%	6198	1.40E-02	22	3.96%	4245	9.61E-03
7	4.03%	4312	9.76E-03	15	6.20%	6643	1.36E-02	23	3.19%	3420	8.27E-03
8	4.80%	5145	1.16E-02	16	6.23%	6679	1.30E-02	24	2.18%	2340	5.66E-03
								Total		107,120	

2027 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SB_101

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.77%	1901	4.63E-03	9	5.61%	6006	1.17E-02	17	5.75%	6157	1.27E-02
2	1.32%	1415	3.44E-03	10	5.70%	6103	1.19E-02	18	5.71%	6112	1.26E-02
3	1.10%	1179	2.87E-03	11	5.76%	6174	1.27E-02	19	5.43%	5819	1.20E-02
4	1.06%	1135	2.76E-03	12	5.71%	6113	1.26E-02	20	4.91%	5260	1.20E-02
5	1.43%	1536	3.74E-03	13	5.73%	6136	1.27E-02	21	4.23%	4534	1.03E-02
6	2.47%	2642	6.43E-03	14	5.66%	6058	1.25E-02	22	3.89%	4162	9.48E-03
7	3.84%	4112	9.37E-03	15	5.78%	6189	1.28E-02	23	3.40%	3638	8.85E-03
8	5.46%	5844	1.21E-02	16	5.83%	6245	1.29E-02	24	2.47%	2649	6.45E-03
								Total		107,120	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - US 101
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_NB_101	Highway 101 Northbound	NB	4	852.7	0.53	20.6	68	1.3	63.95833	107,120	17,592	189,354	4.19E-07	3.09E-07	2.6	1.21
TEVAP_SB_101	Highway 101 Southbound	SB	4	857.9	0.53	20.6	68	1.3	63.75	107,120	17,699	190,509	4.19E-07	3.09E-07	2.6	1.21
									Total	214,240						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	70	65	60	55
Emissions per Vehicle per Hour (g/hour)	0.78603	0.78603	0.78603	0.78603
Emissions per Vehicle per Mile (g/VMT)	0.01123	0.01209	0.01310	0.01429

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NB_101

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.38%	1479	2.44E-03	9	5.15%	5515	1.06E-02	17	6.18%	6617	1.39E-02
2	0.93%	995	1.64E-03	10	5.46%	5852	1.13E-02	18	6.02%	6452	1.36E-02
3	0.83%	889	1.47E-03	11	5.65%	6051	1.17E-02	19	5.71%	6121	1.29E-02
4	0.93%	997	1.65E-03	12	5.63%	6026	1.16E-02	20	5.17%	5540	9.86E-03
5	1.58%	1697	2.80E-03	13	5.64%	6037	1.07E-02	21	4.45%	4763	8.48E-03
6	2.90%	3107	5.14E-03	14	5.79%	6198	1.10E-02	22	3.96%	4245	7.56E-03
7	4.03%	4312	7.67E-03	15	6.20%	6643	1.28E-02	23	3.19%	3420	5.65E-03
8	4.80%	5145	9.16E-03	16	6.23%	6679	1.40E-02	24	2.18%	2340	3.87E-03
								Total		107,120	

2027 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SB_101

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.77%	1901	3.16E-03	9	5.61%	6006	1.27E-02	17	5.75%	6157	1.19E-02
2	1.32%	1415	2.35E-03	10	5.70%	6103	1.29E-02	18	5.71%	6112	1.19E-02
3	1.10%	1179	1.96E-03	11	5.76%	6174	1.20E-02	19	5.43%	5819	1.13E-02
4	1.06%	1135	1.89E-03	12	5.71%	6113	1.19E-02	20	4.91%	5260	9.42E-03
5	1.43%	1536	2.55E-03	13	5.73%	6136	1.19E-02	21	4.23%	4534	8.12E-03
6	2.47%	2642	4.39E-03	14	5.66%	6058	1.18E-02	22	3.89%	4162	7.45E-03
7	3.84%	4112	7.36E-03	15	5.78%	6189	1.20E-02	23	3.40%	3638	6.05E-03
8	5.46%	5844	1.13E-02	16	5.83%	6245	1.21E-02	24	2.47%	2649	4.40E-03
								Total		107,120	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - US 101
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_NB_101	Highway 101 Northbound	NB	4	852.7	0.53	20.6	68	1.3	63.958333	107,120	17,592	189,354	4.54E-07	3.35E-07	2.6	1.21
FUG_SB_101	Highway 101 Southbound	SB	4	857.9	0.53	20.6	68	1.3	63.75	107,120	17,699	190,509	4.54E-07	3.35E-07	2.6	1.21
									Total	214,240						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	70	65	60	55
Tire Wear - Emissions per Vehicle (g/VMT)	0.00207	0.00207	0.00207	0.00207
Brake Wear - Emissions per Vehicle (g/VMT)	0.00195	0.00195	0.00225	0.00255
Road Dust - Emissions per Vehicle (g/VMT)	0.00814	0.00814	0.00814	0.00814
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.01216	0.01216	0.01246	0.01277

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_101

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.38%	1479	2.65E-03	9	5.15%	5515	1.01E-02	17	6.18%	6617	1.24E-02
2	0.93%	995	1.78E-03	10	5.46%	5852	1.07E-02	18	6.02%	6452	1.21E-02
3	0.83%	889	1.59E-03	11	5.65%	6051	1.11E-02	19	5.71%	6121	1.15E-02
4	0.93%	997	1.78E-03	12	5.63%	6026	1.11E-02	20	5.17%	5540	9.92E-03
5	1.58%	1697	3.04E-03	13	5.64%	6037	1.08E-02	21	4.45%	4763	8.53E-03
6	2.90%	3107	5.56E-03	14	5.79%	6198	1.11E-02	22	3.96%	4245	7.60E-03
7	4.03%	4312	7.72E-03	15	6.20%	6643	1.22E-02	23	3.19%	3420	6.12E-03
8	4.80%	5145	9.21E-03	16	6.23%	6679	1.25E-02	24	2.18%	2340	4.19E-03
								Total		107,120	

2027 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_101

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.77%	1901	3.42E-03	9	5.61%	6006	1.14E-02	17	5.75%	6157	1.14E-02
2	1.32%	1415	2.55E-03	10	5.70%	6103	1.15E-02	18	5.71%	6112	1.13E-02
3	1.10%	1179	2.12E-03	11	5.76%	6174	1.14E-02	19	5.43%	5819	1.07E-02
4	1.06%	1135	2.04E-03	12	5.71%	6113	1.13E-02	20	4.91%	5260	9.47E-03
5	1.43%	1536	2.77E-03	13	5.73%	6136	1.13E-02	21	4.23%	4534	8.17E-03
6	2.47%	2642	4.76E-03	14	5.66%	6058	1.12E-02	22	3.89%	4162	7.50E-03
7	3.84%	4112	7.40E-03	15	5.78%	6189	1.14E-02	23	3.40%	3638	6.55E-03
8	5.46%	5844	1.08E-02	16	5.83%	6245	1.15E-02	24	2.47%	2649	4.77E-03
								Total		107,120	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - US 101
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_NB_101	Highway 101 Northbound	NB	4	852.7	0.53	20.6	68	1.3	63.958333	109,200	17,592	189,354	4.65E-07	3.43E-07	2.6	1.21
FUG_SB_101	Highway 101 Southbound	SB	4	857.9	0.53	20.6	68	1.3	63.75	109,200	17,699	190,509	4.65E-07	3.43E-07	2.6	1.21
									Total	218,400						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	70	65	60	55
Tire Wear - Emissions per Vehicle (g/VMT)	0.00207	0.00207	0.00207	0.00207
Brake Wear - Emissions per Vehicle (g/VMT)	0.00193	0.00193	0.00223	0.00254
Road Dust - Emissions per Vehicle (g/VMT)	0.00822	0.00822	0.00822	0.00822
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.01222	0.01222	0.01253	0.01283

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_101

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.38%	1508	2.71E-03	9	5.15%	5622	1.04E-02	17	6.18%	6745	1.27E-02
2	0.93%	1015	1.83E-03	10	5.46%	5966	1.10E-02	18	6.02%	6577	1.24E-02
3	0.83%	906	1.63E-03	11	5.65%	6169	1.14E-02	19	5.71%	6240	1.18E-02
4	0.93%	1016	1.83E-03	12	5.63%	6143	1.13E-02	20	5.17%	5648	1.02E-02
5	1.58%	1730	3.11E-03	13	5.64%	6154	1.11E-02	21	4.45%	4856	8.74E-03
6	2.90%	3168	5.70E-03	14	5.79%	6318	1.14E-02	22	3.96%	4328	7.79E-03
7	4.03%	4396	7.91E-03	15	6.20%	6772	1.25E-02	23	3.19%	3487	6.27E-03
8	4.80%	5245	9.44E-03	16	6.23%	6809	1.29E-02	24	2.18%	2385	4.29E-03
								Total		109,200	

2029 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_101

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.77%	1938	3.51E-03	9	5.61%	6123	1.16E-02	17	5.75%	6276	1.16E-02
2	1.32%	1442	2.61E-03	10	5.70%	6221	1.18E-02	18	5.71%	6231	1.16E-02
3	1.10%	1202	2.17E-03	11	5.76%	6294	1.17E-02	19	5.43%	5932	1.10E-02
4	1.06%	1157	2.09E-03	12	5.71%	6232	1.16E-02	20	4.91%	5362	9.71E-03
5	1.43%	1565	2.83E-03	13	5.73%	6256	1.16E-02	21	4.23%	4622	8.37E-03
6	2.47%	2694	4.88E-03	14	5.66%	6175	1.15E-02	22	3.89%	4243	7.68E-03
7	3.84%	4192	7.59E-03	15	5.78%	6310	1.17E-02	23	3.40%	3709	6.71E-03
8	5.46%	5958	1.11E-02	16	5.83%	6366	1.18E-02	24	2.47%	2700	4.89E-03
								Total		109,200	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = **2027**

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	RLINE Emission (g/s/m2)	RLINE Emission (lb/hr/ft2)	RLINE Initial Vertical height (m)	RLINE (Sigma z) Initial Vertical Dimension
DPM_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	43.7	3.4	25	11,855	11,354	122,212	3.605E-09	2.658E-09	6.8	3.16
DPM_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	43.7	3.4	25	11,855	11,423	122,957	3.605E-09	2.658E-09	6.8	3.16
									Total	23,711						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00056			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and DPM Emissions - DPM_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	187	1.55E-05	9	5.38%	638	5.28E-05	17	5.96%	707	5.86E-05
2	1.12%	133	1.11E-05	10	5.58%	662	5.48E-05	18	5.86%	695	5.76E-05
3	0.97%	114	9.48E-06	11	5.71%	677	5.61E-05	19	5.57%	661	5.48E-05
4	1.00%	118	9.78E-06	12	5.67%	672	5.57E-05	20	5.04%	598	4.95E-05
5	1.51%	179	1.48E-05	13	5.68%	674	5.58E-05	21	4.34%	515	4.26E-05
6	2.68%	318	2.64E-05	14	5.72%	678	5.62E-05	22	3.92%	465	3.86E-05
7	3.93%	466	3.86E-05	15	5.99%	710	5.88E-05	23	3.29%	391	3.24E-05
8	5.13%	608	5.04E-05	16	6.03%	715	5.93E-05	24	2.33%	276	2.29E-05
								Total		11,855	

2027 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	187	1.56E-05	9	5.38%	638	5.31E-05	17	5.96%	707	5.89E-05
2	1.12%	133	1.11E-05	10	5.58%	662	5.52E-05	18	5.86%	695	5.80E-05
3	0.97%	114	9.54E-06	11	5.71%	677	5.64E-05	19	5.57%	661	5.51E-05
4	1.00%	118	9.84E-06	12	5.67%	672	5.60E-05	20	5.04%	598	4.98E-05
5	1.51%	179	1.49E-05	13	5.68%	674	5.62E-05	21	4.34%	515	4.29E-05
6	2.68%	318	2.65E-05	14	5.72%	678	5.65E-05	22	3.92%	465	3.88E-05
7	3.93%	466	3.89E-05	15	5.99%	710	5.92E-05	23	3.29%	391	3.26E-05
8	5.13%	608	5.07E-05	16	6.03%	715	5.96E-05	24	2.33%	276	2.30E-05
								Total		11,855	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	44	1.3	25	11,855	11,354	122,212	1.26E-08	9.26E-09	2.6	1.21
PM2.5_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	44	1.3	25	11,855	11,423	122,957	1.26E-08	9.26E-09	2.6	1.21
									Total	23,711						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00196			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	187	5.40E-05	9	5.38%	638	1.84E-04	17	5.96%	707	2.04E-04
2	1.12%	133	3.85E-05	10	5.58%	662	1.91E-04	18	5.86%	695	2.01E-04
3	0.97%	114	3.30E-05	11	5.71%	677	1.95E-04	19	5.57%	661	1.91E-04
4	1.00%	118	3.41E-05	12	5.67%	672	1.94E-04	20	5.04%	598	1.73E-04
5	1.51%	179	5.16E-05	13	5.68%	674	1.95E-04	21	4.34%	515	1.49E-04
6	2.68%	318	9.19E-05	14	5.72%	678	1.96E-04	22	3.92%	465	1.34E-04
7	3.93%	466	1.35E-04	15	5.99%	710	2.05E-04	23	3.29%	391	1.13E-04
8	5.13%	608	1.76E-04	16	6.03%	715	2.07E-04	24	2.33%	276	7.97E-05
								Total		11,855	

2027 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	187	5.43E-05	9	5.38%	638	1.85E-04	17	5.96%	707	2.05E-04
2	1.12%	133	3.87E-05	10	5.58%	662	1.92E-04	18	5.86%	695	2.02E-04
3	0.97%	114	3.32E-05	11	5.71%	677	1.97E-04	19	5.57%	661	1.92E-04
4	1.00%	118	3.43E-05	12	5.67%	672	1.95E-04	20	5.04%	598	1.74E-04
5	1.51%	179	5.20E-05	13	5.68%	674	1.96E-04	21	4.34%	515	1.49E-04
6	2.68%	318	9.24E-05	14	5.72%	678	1.97E-04	22	3.92%	465	1.35E-04
7	3.93%	466	1.35E-04	15	5.99%	710	2.06E-04	23	3.29%	391	1.13E-04
8	5.13%	608	1.77E-04	16	6.03%	715	2.08E-04	24	2.33%	276	8.02E-05
								Total		11,855	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	44	1.3	25	11,855	11,354	122,212	1.69E-07	1.25E-07	2.6	1.21
TEXH_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	44	1.3	25	11,855	11,423	122,957	1.69E-07	1.25E-07	2.6	1.21
									Total	23,711						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.02645			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	187	7.28E-04	9	5.38%	638	2.48E-03	17	5.96%	707	2.75E-03
2	1.12%	133	5.19E-04	10	5.58%	662	2.58E-03	18	5.86%	695	2.71E-03
3	0.97%	114	4.45E-04	11	5.71%	677	2.63E-03	19	5.57%	661	2.57E-03
4	1.00%	118	4.59E-04	12	5.67%	672	2.62E-03	20	5.04%	598	2.33E-03
5	1.51%	179	6.96E-04	13	5.68%	674	2.62E-03	21	4.34%	515	2.00E-03
6	2.68%	318	1.24E-03	14	5.72%	678	2.64E-03	22	3.92%	465	1.81E-03
7	3.93%	466	1.81E-03	15	5.99%	710	2.76E-03	23	3.29%	391	1.52E-03
8	5.13%	608	2.37E-03	16	6.03%	715	2.78E-03	24	2.33%	276	1.07E-03
								Total		11,855	

2027 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	187	7.33E-04	9	5.38%	638	2.50E-03	17	5.96%	707	2.77E-03
2	1.12%	133	5.22E-04	10	5.58%	662	2.59E-03	18	5.86%	695	2.72E-03
3	0.97%	114	4.48E-04	11	5.71%	677	2.65E-03	19	5.57%	661	2.59E-03
4	1.00%	118	4.62E-04	12	5.67%	672	2.63E-03	20	5.04%	598	2.34E-03
5	1.51%	179	7.01E-04	13	5.68%	674	2.64E-03	21	4.34%	515	2.02E-03
6	2.68%	318	1.25E-03	14	5.72%	678	2.66E-03	22	3.92%	465	1.82E-03
7	3.93%	466	1.83E-03	15	5.99%	710	2.78E-03	23	3.29%	391	1.53E-03
8	5.13%	608	2.38E-03	16	6.03%	715	2.80E-03	24	2.33%	276	1.08E-03
								Total		11,855	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	44	1.3	25	11,855	11,354	122,212	2.01E-07	1.48E-07	2.6	1.21
TEVAP_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	44	1.3	25	11,855	11,423	122,957	2.01E-07	1.48E-07	2.6	1.21
									Total	23,711						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.78612			
Emissions per Vehicle per Mile (g/VMT)	0.03144			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	187	8.66E-04	9	5.38%	638	2.95E-03	17	5.96%	707	3.27E-03
2	1.12%	133	6.17E-04	10	5.58%	662	3.06E-03	18	5.86%	695	3.22E-03
3	0.97%	114	5.30E-04	11	5.71%	677	3.13E-03	19	5.57%	661	3.06E-03
4	1.00%	118	5.46E-04	12	5.67%	672	3.11E-03	20	5.04%	598	2.77E-03
5	1.51%	179	8.28E-04	13	5.68%	674	3.12E-03	21	4.34%	515	2.38E-03
6	2.68%	318	1.47E-03	14	5.72%	678	3.14E-03	22	3.92%	465	2.15E-03
7	3.93%	466	2.16E-03	15	5.99%	710	3.29E-03	23	3.29%	391	1.81E-03
8	5.13%	608	2.81E-03	16	6.03%	715	3.31E-03	24	2.33%	276	1.28E-03
								Total		11,855	

2027 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	187	8.71E-04	9	5.38%	638	2.97E-03	17	5.96%	707	3.29E-03
2	1.12%	133	6.21E-04	10	5.58%	662	3.08E-03	18	5.86%	695	3.24E-03
3	0.97%	114	5.33E-04	11	5.71%	677	3.15E-03	19	5.57%	661	3.08E-03
4	1.00%	118	5.49E-04	12	5.67%	672	3.13E-03	20	5.04%	598	2.78E-03
5	1.51%	179	8.33E-04	13	5.68%	674	3.14E-03	21	4.34%	515	2.40E-03
6	2.68%	318	1.48E-03	14	5.72%	678	3.16E-03	22	3.92%	465	2.17E-03
7	3.93%	466	2.17E-03	15	5.99%	710	3.31E-03	23	3.29%	391	1.82E-03
8	5.13%	608	2.83E-03	16	6.03%	715	3.33E-03	24	2.33%	276	1.29E-03
								Total		11,855	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	44	1.3	25	11,855	11,354	122,212	1.59E-07	1.17E-07	2.6	1.21
FUG_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	44	1.3	25	11,855	11,423	122,957	1.59E-07	1.17E-07	2.6	1.21
									Total	23,711						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00209			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00601			
Road Dust - Emissions per Vehicle (g/VMT)	0.01676			
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02486			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	187	6.84E-04	9	5.38%	638	2.33E-03	17	5.96%	707	2.59E-03
2	1.12%	133	4.88E-04	10	5.58%	662	2.42E-03	18	5.86%	695	2.54E-03
3	0.97%	114	4.19E-04	11	5.71%	677	2.47E-03	19	5.57%	661	2.42E-03
4	1.00%	118	4.32E-04	12	5.67%	672	2.46E-03	20	5.04%	598	2.19E-03
5	1.51%	179	6.54E-04	13	5.68%	674	2.46E-03	21	4.34%	515	1.88E-03
6	2.68%	318	1.16E-03	14	5.72%	678	2.48E-03	22	3.92%	465	1.70E-03
7	3.93%	466	1.71E-03	15	5.99%	710	2.60E-03	23	3.29%	391	1.43E-03
8	5.13%	608	2.22E-03	16	6.03%	715	2.62E-03	24	2.33%	276	1.01E-03
								Total		11,855	

2027 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	187	6.88E-04	9	5.38%	638	2.35E-03	17	5.96%	707	2.60E-03
2	1.12%	133	4.91E-04	10	5.58%	662	2.44E-03	18	5.86%	695	2.56E-03
3	0.97%	114	4.21E-04	11	5.71%	677	2.49E-03	19	5.57%	661	2.43E-03
4	1.00%	118	4.34E-04	12	5.67%	672	2.47E-03	20	5.04%	598	2.20E-03
5	1.51%	179	6.58E-04	13	5.68%	674	2.48E-03	21	4.34%	515	1.89E-03
6	2.68%	318	1.17E-03	14	5.72%	678	2.50E-03	22	3.92%	465	1.71E-03
7	3.93%	466	1.72E-03	15	5.99%	710	2.61E-03	23	3.29%	391	1.44E-03
8	5.13%	608	2.24E-03	16	6.03%	715	2.63E-03	24	2.33%	276	1.02E-03
								Total		11,855	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = **2029**

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	RLINE Emission (g/s/m2)	RLINE Emission (lb/hr/ft2)	RLINE Initial Vertical height (m)	RLINE (Sigma z) Initial Vertical Dimension
DPM_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	43.7	3.4	25	12,086	11,354	122,212	3.316E-09	2.445E-09	6.8	3.16
DPM_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	43.7	3.4	25	12,086	11,423	122,957	3.316E-09	2.445E-09	6.8	3.16
									Total	24,171						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00051			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and DPM Emissions - DPM_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	191	1.43E-05	9	5.38%	650	4.86E-05	17	5.96%	721	5.39E-05
2	1.12%	136	1.02E-05	10	5.58%	674	5.04E-05	18	5.86%	709	5.30E-05
3	0.97%	117	8.72E-06	11	5.71%	690	5.16E-05	19	5.57%	674	5.04E-05
4	1.00%	120	8.99E-06	12	5.67%	685	5.12E-05	20	5.04%	609	4.56E-05
5	1.51%	182	1.36E-05	13	5.68%	687	5.13E-05	21	4.34%	524	3.92E-05
6	2.68%	324	2.43E-05	14	5.72%	691	5.17E-05	22	3.92%	474	3.55E-05
7	3.93%	475	3.55E-05	15	5.99%	724	5.41E-05	23	3.29%	398	2.98E-05
8	5.13%	620	4.64E-05	16	6.03%	729	5.45E-05	24	2.33%	281	2.10E-05
								Total		12,086	

2029 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	191	1.43E-05	9	5.38%	650	4.89E-05	17	5.96%	721	5.42E-05
2	1.12%	136	1.02E-05	10	5.58%	674	5.07E-05	18	5.86%	709	5.33E-05
3	0.97%	117	8.77E-06	11	5.71%	690	5.19E-05	19	5.57%	674	5.07E-05
4	1.00%	120	9.05E-06	12	5.67%	685	5.15E-05	20	5.04%	609	4.58E-05
5	1.51%	182	1.37E-05	13	5.68%	687	5.17E-05	21	4.34%	524	3.95E-05
6	2.68%	324	2.44E-05	14	5.72%	691	5.20E-05	22	3.92%	474	3.57E-05
7	3.93%	475	3.57E-05	15	5.99%	724	5.45E-05	23	3.29%	398	3.00E-05
8	5.13%	620	4.66E-05	16	6.03%	729	5.48E-05	24	2.33%	281	2.12E-05
								Total		12,086	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	44	1.3	25	12,086	11,354	122,212	1.13E-08	8.31E-09	2.6	1.21
PM2.5_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	44	1.3	25	12,086	11,423	122,957	1.13E-08	8.31E-09	2.6	1.21
									Total	24,171						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00173			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	191	4.84E-05	9	5.38%	650	1.65E-04	17	5.96%	721	1.83E-04
2	1.12%	136	3.45E-05	10	5.58%	674	1.71E-04	18	5.86%	709	1.80E-04
3	0.97%	117	2.96E-05	11	5.71%	690	1.75E-04	19	5.57%	674	1.71E-04
4	1.00%	120	3.06E-05	12	5.67%	685	1.74E-04	20	5.04%	609	1.55E-04
5	1.51%	182	4.63E-05	13	5.68%	687	1.74E-04	21	4.34%	524	1.33E-04
6	2.68%	324	8.24E-05	14	5.72%	691	1.76E-04	22	3.92%	474	1.20E-04
7	3.93%	475	1.21E-04	15	5.99%	724	1.84E-04	23	3.29%	398	1.01E-04
8	5.13%	620	1.57E-04	16	6.03%	729	1.85E-04	24	2.33%	281	7.15E-05
								Total		12,086	

2029 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	191	4.87E-05	9	5.38%	650	1.66E-04	17	5.96%	721	1.84E-04
2	1.12%	136	3.47E-05	10	5.58%	674	1.72E-04	18	5.86%	709	1.81E-04
3	0.97%	117	2.98E-05	11	5.71%	690	1.76E-04	19	5.57%	674	1.72E-04
4	1.00%	120	3.07E-05	12	5.67%	685	1.75E-04	20	5.04%	609	1.56E-04
5	1.51%	182	4.66E-05	13	5.68%	687	1.76E-04	21	4.34%	524	1.34E-04
6	2.68%	324	8.29E-05	14	5.72%	691	1.77E-04	22	3.92%	474	1.21E-04
7	3.93%	475	1.21E-04	15	5.99%	724	1.85E-04	23	3.29%	398	1.02E-04
8	5.13%	620	1.58E-04	16	6.03%	729	1.86E-04	24	2.33%	281	7.19E-05
								Total		12,086	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	44	1.3	25	12,086	11,354	122,212	1.57E-07	1.15E-07	2.6	1.21
TEXH_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	44	1.3	25	12,086	11,423	122,957	1.57E-07	1.15E-07	2.6	1.21
									Total	24,171						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.02398			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	191	6.73E-04	9	5.38%	650	2.29E-03	17	5.96%	721	2.54E-03
2	1.12%	136	4.80E-04	10	5.58%	674	2.38E-03	18	5.86%	709	2.50E-03
3	0.97%	117	4.12E-04	11	5.71%	690	2.43E-03	19	5.57%	674	2.38E-03
4	1.00%	120	4.24E-04	12	5.67%	685	2.42E-03	20	5.04%	609	2.15E-03
5	1.51%	182	6.44E-04	13	5.68%	687	2.42E-03	21	4.34%	524	1.85E-03
6	2.68%	324	1.14E-03	14	5.72%	691	2.44E-03	22	3.92%	474	1.67E-03
7	3.93%	475	1.68E-03	15	5.99%	724	2.55E-03	23	3.29%	398	1.41E-03
8	5.13%	620	2.19E-03	16	6.03%	729	2.57E-03	24	2.33%	281	9.93E-04
								Total		12,086	

2029 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	191	6.77E-04	9	5.38%	650	2.31E-03	17	5.96%	721	2.56E-03
2	1.12%	136	4.83E-04	10	5.58%	674	2.39E-03	18	5.86%	709	2.52E-03
3	0.97%	117	4.14E-04	11	5.71%	690	2.45E-03	19	5.57%	674	2.39E-03
4	1.00%	120	4.27E-04	12	5.67%	685	2.43E-03	20	5.04%	609	2.16E-03
5	1.51%	182	6.47E-04	13	5.68%	687	2.44E-03	21	4.34%	524	1.86E-03
6	2.68%	324	1.15E-03	14	5.72%	691	2.45E-03	22	3.92%	474	1.68E-03
7	3.93%	475	1.69E-03	15	5.99%	724	2.57E-03	23	3.29%	398	1.41E-03
8	5.13%	620	2.20E-03	16	6.03%	729	2.59E-03	24	2.33%	281	9.99E-04
								Total		12,086	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	44	1.3	25	12,086	11,354	122,212	1.92E-07	1.42E-07	2.6	1.21
TEVAP_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	44	1.3	25	12,086	11,423	122,957	1.92E-07	1.42E-07	2.6	1.21
									Total	24,171						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.73641			
Emissions per Vehicle per Mile (g/VMT)	0.02946			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	191	8.27E-04	9	5.38%	650	2.82E-03	17	5.96%	721	3.12E-03
2	1.12%	136	5.89E-04	10	5.58%	674	2.92E-03	18	5.86%	709	3.07E-03
3	0.97%	117	5.06E-04	11	5.71%	690	2.99E-03	19	5.57%	674	2.92E-03
4	1.00%	120	5.21E-04	12	5.67%	685	2.97E-03	20	5.04%	609	2.64E-03
5	1.51%	182	7.90E-04	13	5.68%	687	2.98E-03	21	4.34%	524	2.27E-03
6	2.68%	324	1.41E-03	14	5.72%	691	3.00E-03	22	3.92%	474	2.06E-03
7	3.93%	475	2.06E-03	15	5.99%	724	3.14E-03	23	3.29%	398	1.73E-03
8	5.13%	620	2.69E-03	16	6.03%	729	3.16E-03	24	2.33%	281	1.22E-03
								Total		12,086	

2029 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	191	8.32E-04	9	5.38%	650	2.83E-03	17	5.96%	721	3.14E-03
2	1.12%	136	5.93E-04	10	5.58%	674	2.94E-03	18	5.86%	709	3.09E-03
3	0.97%	117	5.09E-04	11	5.71%	690	3.01E-03	19	5.57%	674	2.94E-03
4	1.00%	120	5.25E-04	12	5.67%	685	2.99E-03	20	5.04%	609	2.66E-03
5	1.51%	182	7.95E-04	13	5.68%	687	3.00E-03	21	4.34%	524	2.29E-03
6	2.68%	324	1.41E-03	14	5.72%	691	3.02E-03	22	3.92%	474	2.07E-03
7	3.93%	475	2.07E-03	15	5.99%	724	3.16E-03	23	3.29%	398	1.74E-03
8	5.13%	620	2.70E-03	16	6.03%	729	3.18E-03	24	2.33%	281	1.23E-03
								Total		12,086	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - Donohoe Street
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = **2029**

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_EB_DON	Donohoe Street Eastbound	EB	2	852.7	0.53	13.3	44	1.3	25	12,086	11,354	122,212	1.64E-07	1.21E-07	2.6	1.21
FUG_WB_DON	Donohoe Street Westbound	WB	2	857.9	0.53	13.3	44	1.3	25	12,086	11,423	122,957	1.64E-07	1.21E-07	2.6	1.21
									Total	24,171						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00209			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00605			
Road Dust - Emissions per Vehicle (g/VMT)	0.01695			
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02508			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_EB_DON

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	191	7.04E-04	9	5.38%	650	2.40E-03	17	5.96%	721	2.66E-03
2	1.12%	136	5.02E-04	10	5.58%	674	2.49E-03	18	5.86%	709	2.62E-03
3	0.97%	117	4.31E-04	11	5.71%	690	2.55E-03	19	5.57%	674	2.49E-03
4	1.00%	120	4.44E-04	12	5.67%	685	2.53E-03	20	5.04%	609	2.25E-03
5	1.51%	182	6.73E-04	13	5.68%	687	2.54E-03	21	4.34%	524	1.94E-03
6	2.68%	324	1.20E-03	14	5.72%	691	2.55E-03	22	3.92%	474	1.75E-03
7	3.93%	475	1.75E-03	15	5.99%	724	2.67E-03	23	3.29%	398	1.47E-03
8	5.13%	620	2.29E-03	16	6.03%	729	2.69E-03	24	2.33%	281	1.04E-03
								Total		12,086	

2029 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_WB_DON

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	191	7.08E-04	9	5.38%	650	2.41E-03	17	5.96%	721	2.68E-03
2	1.12%	136	5.05E-04	10	5.58%	674	2.50E-03	18	5.86%	709	2.63E-03
3	0.97%	117	4.33E-04	11	5.71%	690	2.56E-03	19	5.57%	674	2.50E-03
4	1.00%	120	4.47E-04	12	5.67%	685	2.54E-03	20	5.04%	609	2.26E-03
5	1.51%	182	6.77E-04	13	5.68%	687	2.55E-03	21	4.34%	524	1.95E-03
6	2.68%	324	1.20E-03	14	5.72%	691	2.57E-03	22	3.92%	474	1.76E-03
7	3.93%	475	1.77E-03	15	5.99%	724	2.69E-03	23	3.29%	398	1.48E-03
8	5.13%	620	2.30E-03	16	6.03%	729	2.71E-03	24	2.33%	281	1.05E-03
								Total		12,086	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = **2027**

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	RLINE Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
DPM_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	43.7	3.4	25	19,488	11,354	122,212	5.926E-09	4.369E-09	6.8	3.16
DPM_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	43.7	3.4	25	19,488	11,423	122,957	5.926E-09	4.369E-09	6.8	3.16
									Total	38,976						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00056			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and DPM Emissions - DPM_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	307	2.55E-05	9	5.38%	1048	8.68E-05	17	5.96%	1162	9.63E-05
2	1.12%	219	1.82E-05	10	5.58%	1087	9.01E-05	18	5.86%	1143	9.47E-05
3	0.97%	188	1.56E-05	11	5.71%	1112	9.21E-05	19	5.57%	1086	9.00E-05
4	1.00%	194	1.61E-05	12	5.67%	1104	9.15E-05	20	5.04%	982	8.14E-05
5	1.51%	294	2.44E-05	13	5.68%	1107	9.18E-05	21	4.34%	846	7.01E-05
6	2.68%	523	4.33E-05	14	5.72%	1115	9.24E-05	22	3.92%	765	6.34E-05
7	3.93%	766	6.35E-05	15	5.99%	1167	9.67E-05	23	3.29%	642	5.32E-05
8	5.13%	1000	8.28E-05	16	6.03%	1176	9.74E-05	24	2.33%	454	3.76E-05
								Total		19,488	

2027 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	307	2.56E-05	9	5.38%	1048	8.74E-05	17	5.96%	1162	9.69E-05
2	1.12%	219	1.83E-05	10	5.58%	1087	9.07E-05	18	5.86%	1143	9.53E-05
3	0.97%	188	1.57E-05	11	5.71%	1112	9.27E-05	19	5.57%	1086	9.05E-05
4	1.00%	194	1.62E-05	12	5.67%	1104	9.21E-05	20	5.04%	982	8.19E-05
5	1.51%	294	2.45E-05	13	5.68%	1107	9.23E-05	21	4.34%	846	7.05E-05
6	2.68%	523	4.36E-05	14	5.72%	1115	9.29E-05	22	3.92%	765	6.38E-05
7	3.93%	766	6.39E-05	15	5.99%	1167	9.73E-05	23	3.29%	642	5.35E-05
8	5.13%	1000	8.33E-05	16	6.03%	1176	9.80E-05	24	2.33%	454	3.78E-05
								Total		19,488	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	44	1.3	25	19,488	11,354	122,212	2.07E-08	1.52E-08	2.6	1.21
PM2.5_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	44	1.3	25	19,488	11,423	122,957	2.07E-08	1.52E-08	2.6	1.21
									Total	38,976						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00196			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	307	8.88E-05	9	5.38%	1048	3.03E-04	17	5.96%	1162	3.36E-04
2	1.12%	219	6.33E-05	10	5.58%	1087	3.14E-04	18	5.86%	1143	3.30E-04
3	0.97%	188	5.43E-05	11	5.71%	1112	3.21E-04	19	5.57%	1086	3.14E-04
4	1.00%	194	5.60E-05	12	5.67%	1104	3.19E-04	20	5.04%	982	2.84E-04
5	1.51%	294	8.49E-05	13	5.68%	1107	3.20E-04	21	4.34%	846	2.44E-04
6	2.68%	523	1.51E-04	14	5.72%	1115	3.22E-04	22	3.92%	765	2.21E-04
7	3.93%	766	2.21E-04	15	5.99%	1167	3.37E-04	23	3.29%	642	1.85E-04
8	5.13%	1000	2.89E-04	16	6.03%	1176	3.39E-04	24	2.33%	454	1.31E-04
								Total		19,488	

2027 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	307	8.93E-05	9	5.38%	1048	3.04E-04	17	5.96%	1162	3.38E-04
2	1.12%	219	6.37E-05	10	5.58%	1087	3.16E-04	18	5.86%	1143	3.32E-04
3	0.97%	188	5.46E-05	11	5.71%	1112	3.23E-04	19	5.57%	1086	3.16E-04
4	1.00%	194	5.63E-05	12	5.67%	1104	3.21E-04	20	5.04%	982	2.85E-04
5	1.51%	294	8.54E-05	13	5.68%	1107	3.22E-04	21	4.34%	846	2.46E-04
6	2.68%	523	1.52E-04	14	5.72%	1115	3.24E-04	22	3.92%	765	2.22E-04
7	3.93%	766	2.23E-04	15	5.99%	1167	3.39E-04	23	3.29%	642	1.87E-04
8	5.13%	1000	2.90E-04	16	6.03%	1176	3.42E-04	24	2.33%	454	1.32E-04
								Total		19,488	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	44	1.3	25	19,488	11,354	122,212	2.78E-07	2.05E-07	2.6	1.21
TEXH_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	44	1.3	25	19,488	11,423	122,957	2.78E-07	2.05E-07	2.6	1.21
									Total	38,976						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.02645			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	307	1.20E-03	9	5.38%	1048	4.08E-03	17	5.96%	1162	4.52E-03
2	1.12%	219	8.54E-04	10	5.58%	1087	4.23E-03	18	5.86%	1143	4.45E-03
3	0.97%	188	7.32E-04	11	5.71%	1112	4.33E-03	19	5.57%	1086	4.23E-03
4	1.00%	194	7.55E-04	12	5.67%	1104	4.30E-03	20	5.04%	982	3.82E-03
5	1.51%	294	1.14E-03	13	5.68%	1107	4.31E-03	21	4.34%	846	3.29E-03
6	2.68%	523	2.04E-03	14	5.72%	1115	4.34E-03	22	3.92%	765	2.98E-03
7	3.93%	766	2.98E-03	15	5.99%	1167	4.54E-03	23	3.29%	642	2.50E-03
8	5.13%	1000	3.89E-03	16	6.03%	1176	4.58E-03	24	2.33%	454	1.77E-03
								Total		19,488	

2027 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	307	1.20E-03	9	5.38%	1048	4.10E-03	17	5.96%	1162	4.55E-03
2	1.12%	219	8.59E-04	10	5.58%	1087	4.26E-03	18	5.86%	1143	4.48E-03
3	0.97%	188	7.37E-04	11	5.71%	1112	4.36E-03	19	5.57%	1086	4.25E-03
4	1.00%	194	7.60E-04	12	5.67%	1104	4.33E-03	20	5.04%	982	3.85E-03
5	1.51%	294	1.15E-03	13	5.68%	1107	4.34E-03	21	4.34%	846	3.31E-03
6	2.68%	523	2.05E-03	14	5.72%	1115	4.37E-03	22	3.92%	765	3.00E-03
7	3.93%	766	3.00E-03	15	5.99%	1167	4.57E-03	23	3.29%	642	2.51E-03
8	5.13%	1000	3.92E-03	16	6.03%	1176	4.60E-03	24	2.33%	454	1.78E-03
								Total		19,488	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	44	1.3	25	19,488	11,354	122,212	3.31E-07	2.44E-07	2.6	1.21
TEVAP_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	44	1.3	25	19,488	11,423	122,957	3.31E-07	2.44E-07	2.6	1.21
									Total	38,976						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.78612			
Emissions per Vehicle per Mile (g/VMT)	0.03144			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	307	1.42E-03	9	5.38%	1048	4.85E-03	17	5.96%	1162	5.38E-03
2	1.12%	219	1.01E-03	10	5.58%	1087	5.03E-03	18	5.86%	1143	5.29E-03
3	0.97%	188	8.70E-04	11	5.71%	1112	5.15E-03	19	5.57%	1086	5.03E-03
4	1.00%	194	8.98E-04	12	5.67%	1104	5.11E-03	20	5.04%	982	4.55E-03
5	1.51%	294	1.36E-03	13	5.68%	1107	5.12E-03	21	4.34%	846	3.91E-03
6	2.68%	523	2.42E-03	14	5.72%	1115	5.16E-03	22	3.92%	765	3.54E-03
7	3.93%	766	3.55E-03	15	5.99%	1167	5.40E-03	23	3.29%	642	2.97E-03
8	5.13%	1000	4.63E-03	16	6.03%	1176	5.44E-03	24	2.33%	454	2.10E-03
								Total		19,488	

2027 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	307	1.43E-03	9	5.38%	1048	4.88E-03	17	5.96%	1162	5.41E-03
2	1.12%	219	1.02E-03	10	5.58%	1087	5.06E-03	18	5.86%	1143	5.32E-03
3	0.97%	188	8.76E-04	11	5.71%	1112	5.18E-03	19	5.57%	1086	5.06E-03
4	1.00%	194	9.03E-04	12	5.67%	1104	5.14E-03	20	5.04%	982	4.57E-03
5	1.51%	294	1.37E-03	13	5.68%	1107	5.16E-03	21	4.34%	846	3.94E-03
6	2.68%	523	2.44E-03	14	5.72%	1115	5.19E-03	22	3.92%	765	3.56E-03
7	3.93%	766	3.57E-03	15	5.99%	1167	5.43E-03	23	3.29%	642	2.99E-03
8	5.13%	1000	4.65E-03	16	6.03%	1176	5.47E-03	24	2.33%	454	2.11E-03
								Total		19,488	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2027

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	44	1.3	25	19,488	11,354	122,212	2.62E-07	1.93E-07	2.6	1.21
FUG_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	44	1.3	25	19,488	11,423	122,957	2.62E-07	1.93E-07	2.6	1.21
									Total	38,976						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00209			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00601			
Road Dust - Emissions per Vehicle (g/VMT)	0.01676			
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02486			

Emisson Factors from CT-EMFAC2021

2027 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	307	1.12E-03	9	5.38%	1048	3.83E-03	17	5.96%	1162	4.25E-03
2	1.12%	219	8.02E-04	10	5.58%	1087	3.98E-03	18	5.86%	1143	4.18E-03
3	0.97%	188	6.88E-04	11	5.71%	1112	4.07E-03	19	5.57%	1086	3.97E-03
4	1.00%	194	7.10E-04	12	5.67%	1104	4.04E-03	20	5.04%	982	3.59E-03
5	1.51%	294	1.08E-03	13	5.68%	1107	4.05E-03	21	4.34%	846	3.09E-03
6	2.68%	523	1.91E-03	14	5.72%	1115	4.08E-03	22	3.92%	765	2.80E-03
7	3.93%	766	2.80E-03	15	5.99%	1167	4.27E-03	23	3.29%	642	2.35E-03
8	5.13%	1000	3.66E-03	16	6.03%	1176	4.30E-03	24	2.33%	454	1.66E-03
								Total		19,488	

2027 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	307	1.13E-03	9	5.38%	1048	3.86E-03	17	5.96%	1162	4.28E-03
2	1.12%	219	8.07E-04	10	5.58%	1087	4.00E-03	18	5.86%	1143	4.21E-03
3	0.97%	188	6.92E-04	11	5.71%	1112	4.09E-03	19	5.57%	1086	4.00E-03
4	1.00%	194	7.14E-04	12	5.67%	1104	4.06E-03	20	5.04%	982	3.62E-03
5	1.51%	294	1.08E-03	13	5.68%	1107	4.08E-03	21	4.34%	846	3.11E-03
6	2.68%	523	1.93E-03	14	5.72%	1115	4.10E-03	22	3.92%	765	2.81E-03
7	3.93%	766	2.82E-03	15	5.99%	1167	4.30E-03	23	3.29%	642	2.36E-03
8	5.13%	1000	3.68E-03	16	6.03%	1176	4.33E-03	24	2.33%	454	1.67E-03
								Total		19,488	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	RLINE Emission (g/s/m2)	RLINE Emission (lb/hr/ft2)	RLINE Initial Vertical height (m)	RLINE (Sigma z) Initial Vertical Dimension
DPM_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	43.7	3.4	25	19,866	11,354	122,212	5.451E-09	4.019E-09	6.8	3.16
DPM_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	43.7	3.4	25	19,866	11,423	122,957	5.451E-09	4.019E-09	6.8	3.16
									Total	39,732						

Emission Factors

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00051			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and DPM Emissions - DPM_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	313	2.34E-05	9	5.38%	1068	7.99E-05	17	5.96%	1184	8.86E-05
2	1.12%	223	1.67E-05	10	5.58%	1109	8.29E-05	18	5.86%	1165	8.71E-05
3	0.97%	192	1.43E-05	11	5.71%	1134	8.48E-05	19	5.57%	1107	8.28E-05
4	1.00%	198	1.48E-05	12	5.67%	1126	8.42E-05	20	5.04%	1001	7.49E-05
5	1.51%	300	2.24E-05	13	5.68%	1129	8.44E-05	21	4.34%	862	6.45E-05
6	2.68%	533	3.99E-05	14	5.72%	1136	8.50E-05	22	3.92%	780	5.83E-05
7	3.93%	781	5.84E-05	15	5.99%	1190	8.90E-05	23	3.29%	655	4.89E-05
8	5.13%	1019	7.62E-05	16	6.03%	1198	8.96E-05	24	2.33%	463	3.46E-05
								Total		19,866	

2029 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	313	2.36E-05	9	5.38%	1068	8.04E-05	17	5.96%	1184	8.91E-05
2	1.12%	223	1.68E-05	10	5.58%	1109	8.34E-05	18	5.86%	1165	8.76E-05
3	0.97%	192	1.44E-05	11	5.71%	1134	8.53E-05	19	5.57%	1107	8.33E-05
4	1.00%	198	1.49E-05	12	5.67%	1126	8.47E-05	20	5.04%	1001	7.53E-05
5	1.51%	300	2.25E-05	13	5.68%	1129	8.49E-05	21	4.34%	862	6.49E-05
6	2.68%	533	4.01E-05	14	5.72%	1136	8.55E-05	22	3.92%	780	5.86E-05
7	3.93%	781	5.88E-05	15	5.99%	1190	8.95E-05	23	3.29%	655	4.92E-05
8	5.13%	1019	7.67E-05	16	6.03%	1198	9.02E-05	24	2.33%	463	3.48E-05
								Total		19,866	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
PM2.5_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	44	1.3	25	19,866	11,354	122,212	1.85E-08	1.37E-08	2.6	1.21
PM2.5_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	44	1.3	25	19,866	11,423	122,957	1.85E-08	1.37E-08	2.6	1.21
									Total	39,732						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00173			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and PM2.5 Emissions - PM2.5_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	313	7.96E-05	9	5.38%	1068	2.71E-04	17	5.96%	1184	3.01E-04
2	1.12%	223	5.68E-05	10	5.58%	1109	2.82E-04	18	5.86%	1165	2.96E-04
3	0.97%	192	4.87E-05	11	5.71%	1134	2.88E-04	19	5.57%	1107	2.81E-04
4	1.00%	198	5.02E-05	12	5.67%	1126	2.86E-04	20	5.04%	1001	2.54E-04
5	1.51%	300	7.61E-05	13	5.68%	1129	2.87E-04	21	4.34%	862	2.19E-04
6	2.68%	533	1.35E-04	14	5.72%	1136	2.89E-04	22	3.92%	780	1.98E-04
7	3.93%	781	1.98E-04	15	5.99%	1190	3.02E-04	23	3.29%	655	1.66E-04
8	5.13%	1019	2.59E-04	16	6.03%	1198	3.04E-04	24	2.33%	463	1.18E-04
								Total		19,866	

2029 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM2.5_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	313	8.01E-05	9	5.38%	1068	2.73E-04	17	5.96%	1184	3.03E-04
2	1.12%	223	5.71E-05	10	5.58%	1109	2.83E-04	18	5.86%	1165	2.98E-04
3	0.97%	192	4.90E-05	11	5.71%	1134	2.90E-04	19	5.57%	1107	2.83E-04
4	1.00%	198	5.05E-05	12	5.67%	1126	2.88E-04	20	5.04%	1001	2.56E-04
5	1.51%	300	7.66E-05	13	5.68%	1129	2.88E-04	21	4.34%	862	2.20E-04
6	2.68%	533	1.36E-04	14	5.72%	1136	2.90E-04	22	3.92%	780	1.99E-04
7	3.93%	781	2.00E-04	15	5.99%	1190	3.04E-04	23	3.29%	655	1.67E-04
8	5.13%	1019	2.60E-04	16	6.03%	1198	3.06E-04	24	2.33%	463	1.18E-04
								Total		19,866	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEXH_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	44	1.3	25	19,866	11,354	122,212	2.57E-07	1.90E-07	2.6	1.21
TEXH_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	44	1.3	25	19,866	11,423	122,957	2.57E-07	1.90E-07	2.6	1.21
									Total	39,732						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.02398			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	313	1.11E-03	9	5.38%	1068	3.77E-03	17	5.96%	1184	4.18E-03
2	1.12%	223	7.89E-04	10	5.58%	1109	3.91E-03	18	5.86%	1165	4.11E-03
3	0.97%	192	6.77E-04	11	5.71%	1134	4.00E-03	19	5.57%	1107	3.91E-03
4	1.00%	198	6.98E-04	12	5.67%	1126	3.97E-03	20	5.04%	1001	3.53E-03
5	1.51%	300	1.06E-03	13	5.68%	1129	3.98E-03	21	4.34%	862	3.04E-03
6	2.68%	533	1.88E-03	14	5.72%	1136	4.01E-03	22	3.92%	780	2.75E-03
7	3.93%	781	2.76E-03	15	5.99%	1190	4.20E-03	23	3.29%	655	2.31E-03
8	5.13%	1019	3.60E-03	16	6.03%	1198	4.23E-03	24	2.33%	463	1.63E-03
								Total		19,866	

2029 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	313	1.11E-03	9	5.38%	1068	3.79E-03	17	5.96%	1184	4.21E-03
2	1.12%	223	7.94E-04	10	5.58%	1109	3.94E-03	18	5.86%	1165	4.14E-03
3	0.97%	192	6.81E-04	11	5.71%	1134	4.03E-03	19	5.57%	1107	3.93E-03
4	1.00%	198	7.02E-04	12	5.67%	1126	4.00E-03	20	5.04%	1001	3.56E-03
5	1.51%	300	1.06E-03	13	5.68%	1129	4.01E-03	21	4.34%	862	3.06E-03
6	2.68%	533	1.89E-03	14	5.72%	1136	4.04E-03	22	3.92%	780	2.77E-03
7	3.93%	781	2.77E-03	15	5.99%	1190	4.23E-03	23	3.29%	655	2.32E-03
8	5.13%	1019	3.62E-03	16	6.03%	1198	4.26E-03	24	2.33%	463	1.64E-03
								Total		19,866	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	44	1.3	25	19,866	11,354	122,212	3.16E-07	2.33E-07	2.6	1.21
TEVAP_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	44	1.3	25	19,866	11,423	122,957	3.16E-07	2.33E-07	2.6	1.21
									Total	39,732						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.73641			
Emissions per Vehicle per Mile (g/VMT)	0.02946			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	313	1.36E-03	9	5.38%	1068	4.63E-03	17	5.96%	1184	5.13E-03
2	1.12%	223	9.69E-04	10	5.58%	1109	4.81E-03	18	5.86%	1165	5.05E-03
3	0.97%	192	8.31E-04	11	5.71%	1134	4.91E-03	19	5.57%	1107	4.80E-03
4	1.00%	198	8.57E-04	12	5.67%	1126	4.88E-03	20	5.04%	1001	4.34E-03
5	1.51%	300	1.30E-03	13	5.68%	1129	4.89E-03	21	4.34%	862	3.74E-03
6	2.68%	533	2.31E-03	14	5.72%	1136	4.93E-03	22	3.92%	780	3.38E-03
7	3.93%	781	3.39E-03	15	5.99%	1190	5.16E-03	23	3.29%	655	2.84E-03
8	5.13%	1019	4.42E-03	16	6.03%	1198	5.20E-03	24	2.33%	463	2.01E-03
								Total		19,866	

2029 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	313	1.37E-03	9	5.38%	1068	4.66E-03	17	5.96%	1184	5.17E-03
2	1.12%	223	9.75E-04	10	5.58%	1109	4.84E-03	18	5.86%	1165	5.08E-03
3	0.97%	192	8.36E-04	11	5.71%	1134	4.94E-03	19	5.57%	1107	4.83E-03
4	1.00%	198	8.62E-04	12	5.67%	1126	4.91E-03	20	5.04%	1001	4.37E-03
5	1.51%	300	1.31E-03	13	5.68%	1129	4.92E-03	21	4.34%	862	3.76E-03
6	2.68%	533	2.33E-03	14	5.72%	1136	4.96E-03	22	3.92%	780	3.40E-03
7	3.93%	781	3.41E-03	15	5.99%	1190	5.19E-03	23	3.29%	655	2.85E-03
8	5.13%	1019	4.44E-03	16	6.03%	1198	5.23E-03	24	2.33%	463	2.02E-03
								Total		19,866	

2120 - 2160 Euclid Ave, East Palo Alto, CA - Off-Site Exposure
Cumulative Operation - University Avenue
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2029

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day	Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
FUG_NB_UNI	University Avenue Northbound	NB	2	852.7	0.53	13.3	44	1.3	25	19,866	11,354	122,212	2.69E-07	1.98E-07	2.6	1.21
FUG_SB_UNI	University Avenue Southbound	SB	2	857.9	0.53	13.3	44	1.3	25	19,866	11,423	122,957	2.69E-07	1.98E-07	2.6	1.21
									Total	39,732						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00209			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00605			
Road Dust - Emissions per Vehicle (g/VMT)	0.01695			
tal Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02508			

Emisson Factors from CT-EMFAC2021

2029 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.58%	313	1.16E-03	9	5.38%	1068	3.94E-03	17	5.96%	1184	4.37E-03
2	1.12%	223	8.25E-04	10	5.58%	1109	4.09E-03	18	5.86%	1165	4.30E-03
3	0.97%	192	7.08E-04	11	5.71%	1134	4.19E-03	19	5.57%	1107	4.09E-03
4	1.00%	198	7.30E-04	12	5.67%	1126	4.16E-03	20	5.04%	1001	3.70E-03
5	1.51%	300	1.11E-03	13	5.68%	1129	4.17E-03	21	4.34%	862	3.18E-03
6	2.68%	533	1.97E-03	14	5.72%	1136	4.20E-03	22	3.92%	780	2.88E-03
7	3.93%	781	2.88E-03	15	5.99%	1190	4.39E-03	23	3.29%	655	2.42E-03
8	5.13%	1019	3.76E-03	16	6.03%	1198	4.42E-03	24	2.33%	463	1.71E-03
								Total		19,866	

2029 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.58%	313	1.16E-03	9	5.38%	1068	3.97E-03	17	5.96%	1184	4.40E-03
2	1.12%	223	8.30E-04	10	5.58%	1109	4.12E-03	18	5.86%	1165	4.33E-03
3	0.97%	192	7.12E-04	11	5.71%	1134	4.21E-03	19	5.57%	1107	4.11E-03
4	1.00%	198	7.34E-04	12	5.67%	1126	4.18E-03	20	5.04%	1001	3.72E-03
5	1.51%	300	1.11E-03	13	5.68%	1129	4.19E-03	21	4.34%	862	3.20E-03
6	2.68%	533	1.98E-03	14	5.72%	1136	4.22E-03	22	3.92%	780	2.90E-03
7	3.93%	781	2.90E-03	15	5.99%	1190	4.42E-03	23	3.29%	655	2.43E-03
8	5.13%	1019	3.78E-03	16	6.03%	1198	4.45E-03	24	2.33%	463	1.72E-03
								Total		19,866	

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Risk & Hazard Stationary Source Inquiry Form

This form is required when users request stationary source data from BAAQMD

This form is to be used with the BAAQMD's Google Earth stationary source screening tables.

Click here for guidance on coducting risk & hazard screening, including roadways & freeways, refer to the District's Risk & Hazard Analysis flow chart.

Click here for District's Recommended Methods for Screening and Modeling Local Risks and Hazards document.

Table A: Requester Contact Information

Date of Request	**6/12/2026**
Contact Name	Jordyn Bauer
Affiliation	Illingworth & Rodkin, Inc.
Phone	707-794-0400 x106
Email	jbauer@illingworthrodkin.com
Project Name	2120-2160 Euclid Ave
Address	2120-2160 Euclid Ave
City	East Palo Alto
County	San Mateo
Type (residential, commercial, mixed use, industrial, etc.)	Residential
Project Size (# of units or building square feet)	430
Comments:	

For Air District assistance, the following steps must be completed:

1. Complete all the contact and project information requested in Table A. Incomplete forms will not be processed. Please include a project site map.

2. Download and install the free program Google Earth, **http://www.google.com/earth/download/ge/,** and then download the county specific Google Earth stationary source application files from the District's website, **http://www.baaqmd.gov/Divisions/Planning-and-Research/CEQA-GUIDELINES/Tools-and-Methodology.aspx.** The small points on the map represent stationary sources permitted by the District (Map A on right). These permitted sources include diesel back-up generators, gas stations, dry cleaners, boilers, printers, auto spray booths, etc. Click on a point to view the source's Information Table, including the name, location, and preliminary estimated cancer risk, hazard index, and PM2.5 concentration.

3. Find the project site in Google Earth by inputting the site's address in the Google Earth search box.

4. Identify stationary sources within at least a 1000ft radius of project site. Verify that the location of the source on the map matches with the source's address in the Information Table, by using the Google Earth address search box to confirm the source's address location. Please report any mapping errors to the District.

5. List the stationary source information in Table B section only.

6. Note that a small percentage of the stationary sources have Health Risk Screening Assessment (HRSA) data INSTEAD of screening level data. These sources will be noted by an asterisk next to the Plant Name (Map B on right). If HRSA values are presented, these values have already been modeled and cannot be adjusted further.

7. Email this completed form to District staff. District staff will provide the most recent risk, hazard, and PM2.5 data that are available for the source(s). If this information or data are not available, source emissions data will be provided. Staff will respond to inquiries within three weeks.

Note that a public records request received for the same stationary source information will cancel the processing of your SSIF request.

Submit forms, maps, and questions to Matthew Hanson at 415-749-8733, or mhanson@baaqmd.gov

Table B: Google Earth data

Distance from Receptor (feet) or MEI[1]	Plant No.	Facility Name	Address	Cancer Risk[2]	Hazard Risk[2]	$PM_{2.5}$[2]	Source No.[3]	Type of Source[4]	Fuel Code[5]	Status/Comments
600	110033	CHEVRON SS #9-1081	2101 University Ave					Gas Dispensing Facility		2024 Dataset
930	109055	East Palo Alto Shell	2194 University Ave					Gas Dispensing Facility		2024 Dataset
1000+	16212	Four Seasons Silicon Valley	2050 University Avenue	11	0.3	1.31		Accommodation and Food Services		2024 Dataset
820	23412	University Plaza EPA LLC c/o So	2100 University Avenue	1	0	0		Generator		2024 Dataset
1000+	15292	IKEA California LLC	1700 E Bayshore Road	4	0	0.01		Generator		2024 Dataset

Project MEI

Distance Adjustment Multiplier	Adjusted Cancer Risk Estimate	Adjusted Hazard Risk	Adjusted PM2.5
CARB TOOL	1.60	0.15000	0.0000
CARB TOOL	0.09	0.03000	0.0000
0.13	1.45	0.03960	0.1729
0.06	0.06	0.00000	0.0000
0.04	0.16	0.000	0.0004

Footnotes:

1. Maximally exposed individual
2. These Cancer Risk, Hazard Index, and PM2.5 columns represent the values in the Google Earth Plant Information Table.
3. Each plant may have multiple permits and sources.
4. Permitted sources include diesel back-up generators, gas stations, dry cleaners, boilers, printers, auto spray booths, etc.
5. Fuel codes: 98 = diesel, 189 = Natural Gas.
6. If a Health Risk Screening Assessment (HRSA) was completed for the source, the application number will be listed here.

Project Site

Distance from Receptor (feet) or MEI[1]	FACID (Plant No.)	Distance Adjustment Multiplier	Adjusted Cancer Risk Estimate	Adjusted Hazard Risk	Adjusted PM2.5
230	110033	CARB TOOL	7.59	0.74	0
470	109055	CARB TOOL	0.33	0.13	0
690	16212	0.238	2.62	0.0714	0.3118
310	23412	0.25	0.25	0.0000	0.0000
870	15292	0.05	0.20	0.000	0.0005

8. Engineer who completed the HRSA. For District purposes only.
9. All HRSA completed before 1/5/2010 need to be multiplied by an age sensitivity factor of 1.7.
10. The HRSA "Chronic Health" number represents the Hazard Index.
11. Further information about common sources:
    a. Sources that only include diesel internal combustion engines can be adjusted using the BAAQMD's Diesel Multiplier worksheet.
    b. The risk from natural gas boilers used for space heating when <25 MM BTU/hr would have an estimated cancer risk of one in a million or less, and a chronic hazard index of 0.003 or less.
    c. BAAQMD Reg 11 Rule 16 required that all co-residential (sharing a wall, floor, ceiling or is in the same building as a residential unit) dry cleaners cease use of perc on July 1, 2010.
    Therefore, there is no cancer risk, hazard or PM2.5 concentrations from co-residential dry cleaning businesses in the BAAQMD.
    d. Non co-residential dry cleaners must phase out use of perc by Jan. 1, 2023. Therefore, the risk from these dry cleaners does not need to be factored in over a 70-year period, but instead should reflect the
    e. Gas stations can be adjusted using BAAQMD's Gas Station Distance Mulitplier worksheet.
    f. Unless otherwise noted, exempt sources are considered insignificant. See BAAQMD Reg 2 Rule 1 for a list of exempt sources.
    g. This spray booth is considered to be insignificant.

Date last updated:
03/13/2018

2022 CARB & CAPCOA Gasoline Service Station Industrywide Risk Assessment Look-up Tool
Version 1.0 - February 18, 2022

Required Value	User Defined Input	Instructions
Annual Throughput (gallons/year)	881835	Enter your gas station's annual throughput in gallons of gasoline dispensed per year.
Hourly Dispensing Throughput (gallons/hour)	500	The tool will calculate the maximum hourly vehicle fueling throughput based on annual throughput as defined by Table 10 of the 2020 Gasoline Service Station Industrywide Risk Assessment Technical Guidance Document (Technical Guidance). If a different value is desired please enter it into cell L4.
Hourly Loading Throughput (gallons/hour)	8800	The tool will calculate the maximum hourly loading throughput based on annual throughput as defined by Table 10 of the Technical Guidance. If a different value is desired please enter it into cell L5.
Meteorological Data	San Jose	Select appropriate meteorological data. Met sets provided include 2 rural (Redding and Lancaster) and 4 urban (Fresno, Ontario, San Diego, and San Jose) locations. Use whichever best correlates to your location. If you would like to use site-specific meteorological data please refer to the Variable Met Tool.
Distance to Nearest Resident (meters)	283	Enter the distance to the nearest residential receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Nearest Business (meters)	283	Enter the distance to the nearest worker receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Acute Receptor (meters)	283	Enter the distance where acute impacts are expected in meters as measured from the edge of the station canopy. This can be the distance to the property boundary, nearest resident, nearest worker, or any other user defined location. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Control Scenario	EVR Phase I & EVR Phase II	Select the appropriate control scenario for your gas station. Please refer to technical Guidance for an explanation of the different control scenarios. Almost all gas stations in California are equipped with EVR Phase I and EVR Phase II controls.
Include Building Downwash Adjustments	yes	Building downwash may over estimate risk results. High results should be investigated further through site-specific health risk assessment.

Risk Value	Results
Max Residential Cancer Risk (chances/million)	0.09
Max Worker Cancer Risk (chances/million)	0.01
Chronic HI	0.00
Acute HI	0.03

2022 CARB & CAPCOA Gasoline Service Station Industrywide Risk Assessment Look-up Tool
Version 1.0 - February 18, 2022

Required Value	User Defined Input	Instructions
Annual Throughput (gallons/year)	881835	Enter your gas station's annual throughput in gallons of gasoline dispensed per year.
Hourly Dispensing Throughput (gallons/hour)	500	The tool will calculate the maximum hourly vehicle fueling throughput based on annual throughput as defined by Table 10 of the 2020 Gasoline Service Station Industrywide Risk Assessment Technical Guidance Document (Technical Guidance). If a different value is desired please enter it into cell L4.
Hourly Loading Throughput (gallons/hour)	8800	The tool will calculate the maximum hourly loading throughput based on annual throughput as defined by Table 10 of the Technical Guidance. If a different value is desired please enter it into cell L5.
Meteorological Data	San Jose	Select appropriate meteorological data. Met sets provided include 2 rural (Redding and Lancaster) and 4 urban (Fresno, Ontario, San Diego, and San Jose) locations. Use whichever best correlates to your location. If you would like to use site-specific meteorological data please refer to the Variable Met Tool.
Distance to Nearest Resident (meters)	145	Enter the distance to the nearest residential receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Nearest Business (meters)	145	Enter the distance to the nearest worker receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Acute Receptor (meters)	145	Enter the distance where acute impacts are expected in meters as measured from the edge of the station canopy. This can be the distance to the property boundary, nearest resident, nearest worker, or any other user defined location. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Control Scenario	EVR Phase I & EVR Phase II	Select the appropriate control scenario for your gas station. Please refer to technical Guidance for an explanation of the different control scenarios. Almost all gas stations in California are equipped with EVR Phase I and EVR Phase II controls.
Include Building Downwash Adjustments	yes	Building downwash may over estimate risk results. High results should be investigated further through site-specific health risk assessment.

Risk Value	Results
Max Residential Cancer Risk (chances/million)	0.33
Max Worker Cancer Risk (chances/million)	0.03
Chronic HI	0.00
Acute HI	0.13

2022 CARB & CAPCOA Gasoline Service Station Industrywide Risk Assessment Look-up Tool
Version 1.0 - February 18, 2022

Required Value	User Defined Input	Instructions
Annual Throughput (gallons/year)	6553400	Enter your gas station's annual throughput in gallons of gasoline dispensed per year.
Hourly Dispensing Throughput (gallons/hour)	2000	The tool will calculate the maximum hourly vehicle fueling throughput based on annual throughput as defined by Table 10 of the 2020 Gasoline Service Station Industrywide Risk Assessment Technical Guidance Document (Technical Guidance). If a different value is desired please enter it into cell L4.
Hourly Loading Throughput (gallons/hour)	8800	The tool will calculate the maximum hourly loading throughput based on annual throughput as defined by Table 10 of the Technical Guidance. If a different value is desired please enter it into cell L5.
Meteorological Data	San Jose	Select appropriate meteorological data. Met sets provided include 2 rural (Redding and Lancaster) and 4 urban (Fresno, Ontario, San Diego, and San Jose) locations. Use whichever best correlates to your location. If you would like to use site-specific meteorological data please refer to the Variable Met Tool.
Distance to Nearest Resident (meters)	180	Enter the distance to the nearest residential receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Nearest Business (meters)	180	Enter the distance to the nearest worker receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Acute Receptor (meters)	180	Enter the distance where acute impacts are expected in meters as measured from the edge of the station canopy. This can be the distance to the property boundary, nearest resident, nearest worker, or any other user defined location. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Control Scenario	EVR Phase I & EVR Phase II	Select the appropriate control scenario for your gas station. Please refer to technical Guidance for an explanation of the different control scenarios. Almost all gas stations in California are equipped with EVR Phase I and EVR Phase II controls.
Include Building Downwash Adjustments	yes	Building downwash may over estimate risk results. High results should be investigated further through site-specific health risk assessment.

Risk Value	Results
Max Residential Cancer Risk (chances/million)	1.60
Max Worker Cancer Risk (chances/million)	0.13
Chronic HI	0.01
Acute HI	0.15

2022 CARB & CAPCOA Gasoline Service Station Industrywide Risk Assessment Look-up Tool
Version 1.0 - February 18, 2022

Required Value	User Defined Input	Instructions
Annual Throughput (gallons/year)	6553400	Enter your gas station's annual throughput in gallons of gasoline dispensed per year.
Hourly Dispensing Throughput (gallons/hour)	2000	The tool will calculate the maximum hourly vehicle fueling throughput based on annual throughput as defined by Table 10 of the 2020 Gasoline Service Station Industrywide Risk Assessment Technical Guidance Document (Technical Guidance). If a different value is desired please enter it into cell L4.
Hourly Loading Throughput (gallons/hour)	8800	The tool will calculate the maximum hourly loading throughput based on annual throughput as defined by Table 10 of the Technical Guidance. If a different value is desired please enter it into cell L5.
Meteorological Data	San Jose	Select appropriate meteorological data. Met sets provided include 2 rural (Redding and Lancaster) and 4 urban (Fresno, Ontario, San Diego, and San Jose) locations. Use whichever best correlates to your location. If you would like to use site-specific meteorological data please refer to the Variable Met Tool.
Distance to Nearest Resident (meters)	75	Enter the distance to the nearest residential receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Nearest Business (meters)	75	Enter the distance to the nearest worker receptor in meters as measured from the edge of the station canopy. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Distance to Acute Receptor (meters)	75	Enter the distance where acute impacts are expected in meters as measured from the edge of the station canopy. This can be the distance to the property boundary, nearest resident, nearest worker, or any other user defined location. Please note that the value must be between 10 and 1000 meters. The distance you input will round down to the nearest receptor distance used in the Technical Guidance (e.g., 19m will return value at 10m distance).
Control Scenario	EVR Phase I & EVR Phase II	Select the appropriate control scenario for your gas station. Please refer to technical Guidance for an explanation of the different control scenarios. Almost all gas stations in California are equipped with EVR Phase I and EVR Phase II controls.
Include Building Downwash Adjustments	yes	Building downwash may over estimate risk results. High results should be investigated further through site-specific health risk assessment.

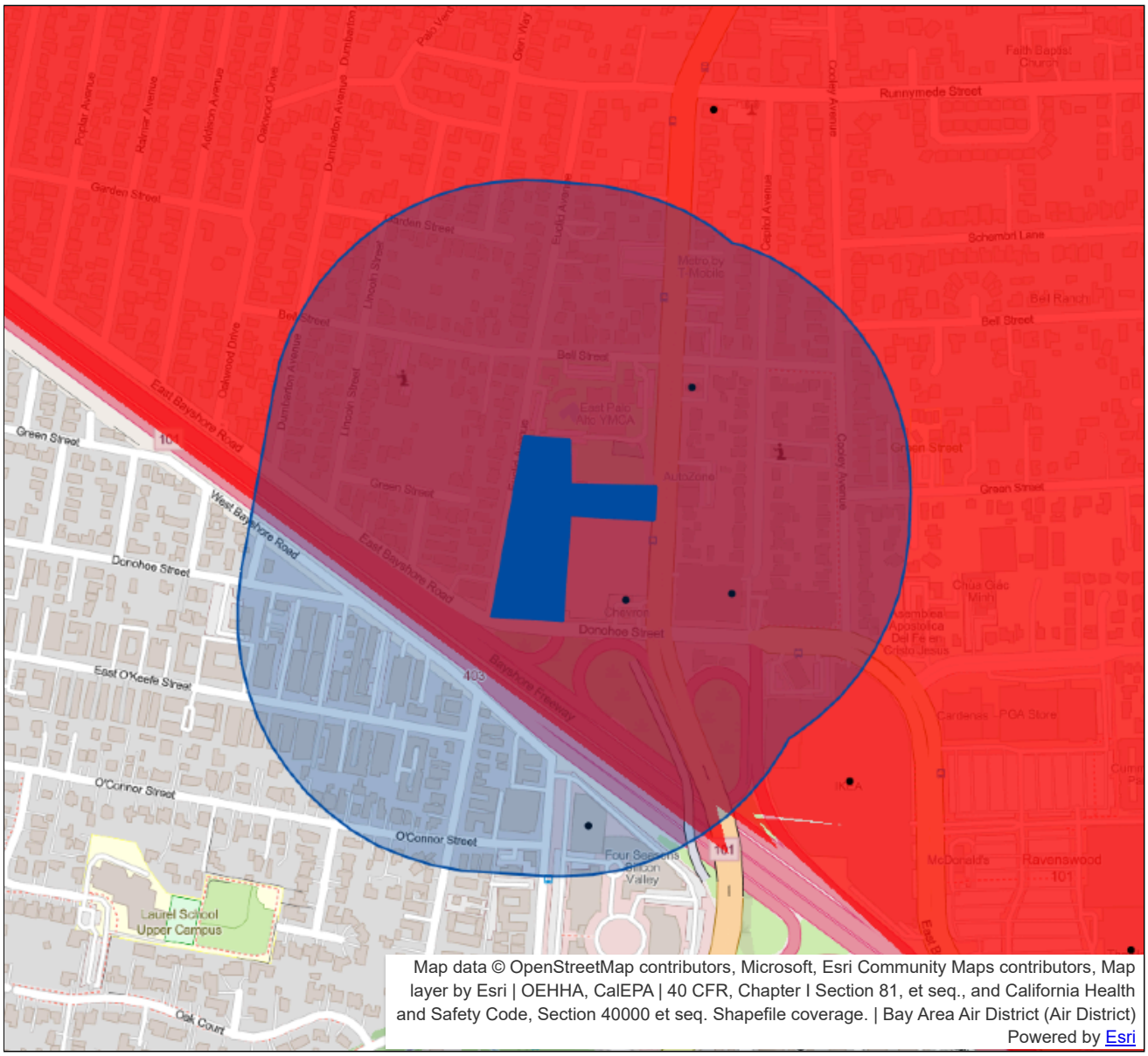
Risk Value	Results
Max Residential Cancer Risk (chances/million)	7.59
Max Worker Cancer Risk (chances/million)	0.63
Chronic HI	0.03
Acute HI	0.74

Near Me Report

Area of Interest (AOI) Information

Area: 5,686,535.1 ft²

Date: Fri Jun 12 2026 14:36:13 GMT-0700 (Pacific Daylight Time)



Permitted Stationary Sources

●

Bay Area Air District Boundary

Overburdened Communities

Permitted Stationary Sources | Total count: 5

#	OBJECTID	FacilityID	FacilityName
1	9632	*No data*	CHEVRON SS #9-1081
2	9370	*No data*	East Palo Alto Shell
3	2271	16,212	Four Seasons Silicon Valley
4	8666	*No data*	Ravenswood City School District
5	5491	23,412	University Plaza EPA LLC c/o Sobrato Organization

#	Address	City	State
1	2101 University Ave	East Palo Alto	CA
2	2194 University Ave	East Palo Alto	CA
3	2050 University Avenue	East Palo Alto	CA
4	2160 Euclid Ave	East Palo Alto	CA
5	2100 University Avenue	East Palo Alto	CA

#	Zip	County	Latitude
1	94303	San Mateo	37.463031
2	94303	San Mateo	37.465322
3	94303	San Mateo	37.460603
4	94303	San Mateo	37.464439
5	94303	San Mateo	37.463095

#	Longitude	SourceType	NAICS
1	-122.142238	Retail Gas Station	457110
2	-122.141336	Retail Gas Station	457110
3	-122.142746	*No data*	721110
4	-122.143384	Nonretail Gas Station	457120
5	-122.140807	Generator	484122

#	NAICS Sector	NAICS Subsector	NAICS Industry
1	Retail Trade	Gasoline Stations	Gasoline Stations with Convenience Stores
2	Retail Trade	Gasoline Stations	Gasoline Stations with Convenience Stores
3	Accommodation and Food Services	Accommodation	Hotels (except Casino Hotels) and Motels
4	Retail Trade	Gasoline Stations	Other Gasoline Stations
5	Transportation and Warehousing	Truck Transportation	General Freight Trucking, Long-Distance, Less Than Truckload

#	CancerRisk	ChronicHI	PM25	Throughput_Gal/yr
1	*No data*	*No data*	0.00	6553400.0
2	*No data*	*No data*	0.00	881835.0
3	11	0.30	1.31	*No data*
4	0	0.00	0.00	*No data*
5	1	0.00	0.00	*No data*

HISTORICAL RESOURCES EVALUATION

2120-2160 EUCLID AVENUE
EAST PALO ALTO, SAN MATEO COUNTY, CA

PREPARED BY:

JENNIFER HO, WILLIAM KOSTURA, & KENETHA HARRINGTON

ARCHAEOLOGICAL/HISTORICAL CONSULTANTS

PREPARED FOR: DAVID J POWERS & ASSOCIATES

1871 THE ALAMEDA, SUITE 200

SAN JOSÉ, CA 95126

DECEMBER 2024

REVISED MAY 2026

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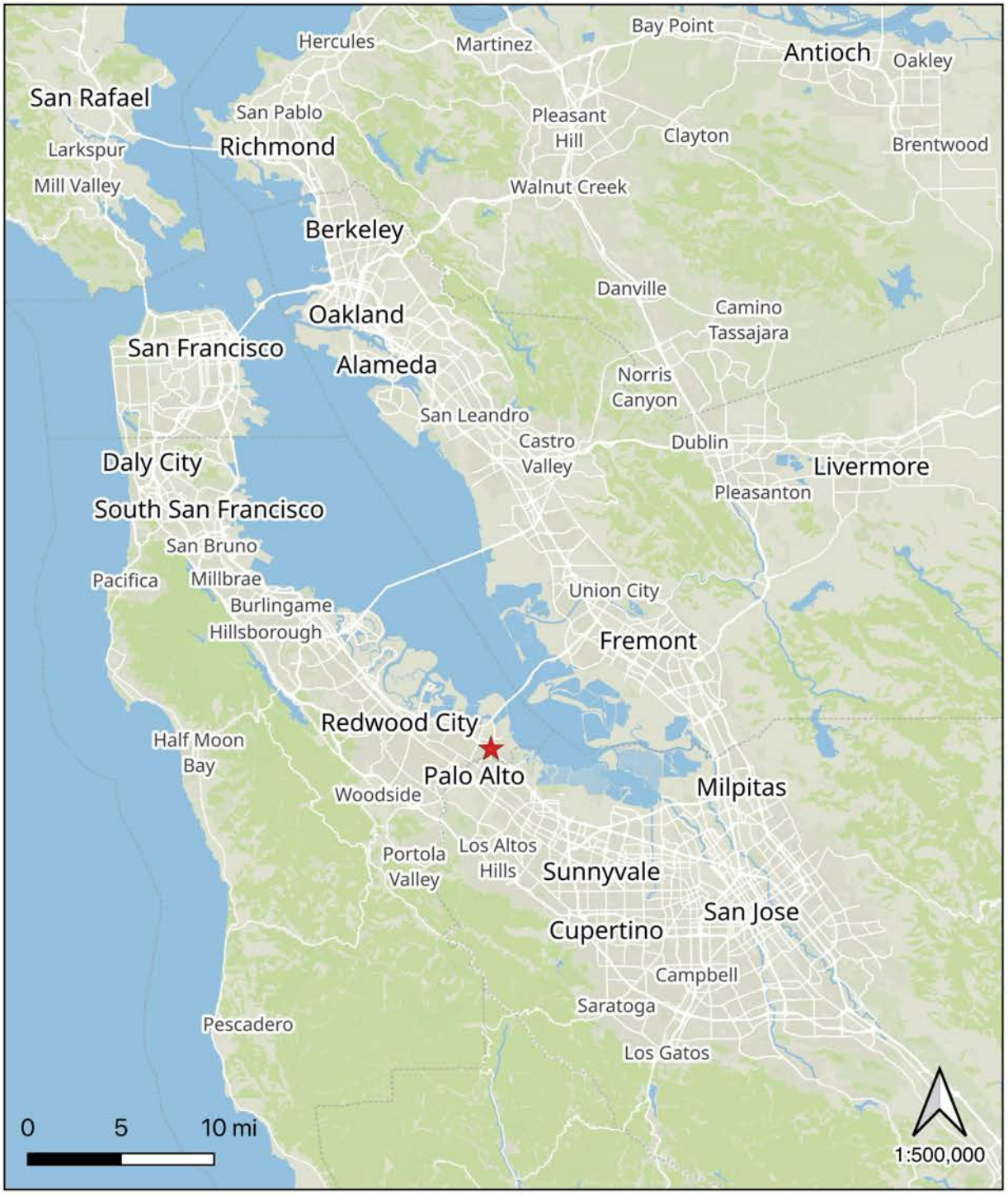
APPENDIX 1: DPR 523 FORMS

INTRODUCTION AND SUMMARY OF FINDINGS

The Euclid Avenue Mixed-Use project is located on a four-acre site that consists of two parcels (Assessor's Parcel Numbers [APN] 063-292-380 and 063-292-320) at 2120-2180 Euclid Avenue in East Palo Alto, San Mateo County, CA. The project site is currently developed with administrative offices, a special education facility, and bus storage uses for the Ravenswood City School District. Additionally, the project site includes a portion of Bell Street Park in the southwest corner. Of the 13 buildings on site, eight are more than 45 years old. The project would demolish all 13 existing buildings on-site and construct two new six-story buildings (one mixed-use and one residential) totaling approximately 661,159 square feet and containing up to a total of 430 residential units and approximately 2,071 square feet of ground floor retail uses in two phases. All of the residential units on-site would be deed-restricted affordable. The project would also include construction of two new emergency vehicle access roads on-site and a basketball court in Bell Street Park. All parking would be above grade. The project would remove all 26 on-site trees and preserve three threes located on adjacent properties. Eighty-three replacement trees would be planted as part of the project.

To ensure that the proposed project would not cause a substantial adverse change in the significance of a historical or archaeological resource (as defined in the CEQA Guidelines [14 CCR §15064.5]), Archaeological/Historical Consultants (A/HC) of Oakland, California, was retained to evaluate whether the buildings over 45 years old at 2120-2160 Euclid Avenue (the "project area") are eligible under the California Register of Historic Resources (CRHR). Based on a built environment survey and historical research, our determination is that none of the buildings at 2120-2160 Euclid Avenue appear to be eligible individually for the CRHR, nor does the group of buildings appear to be eligible as a complex.

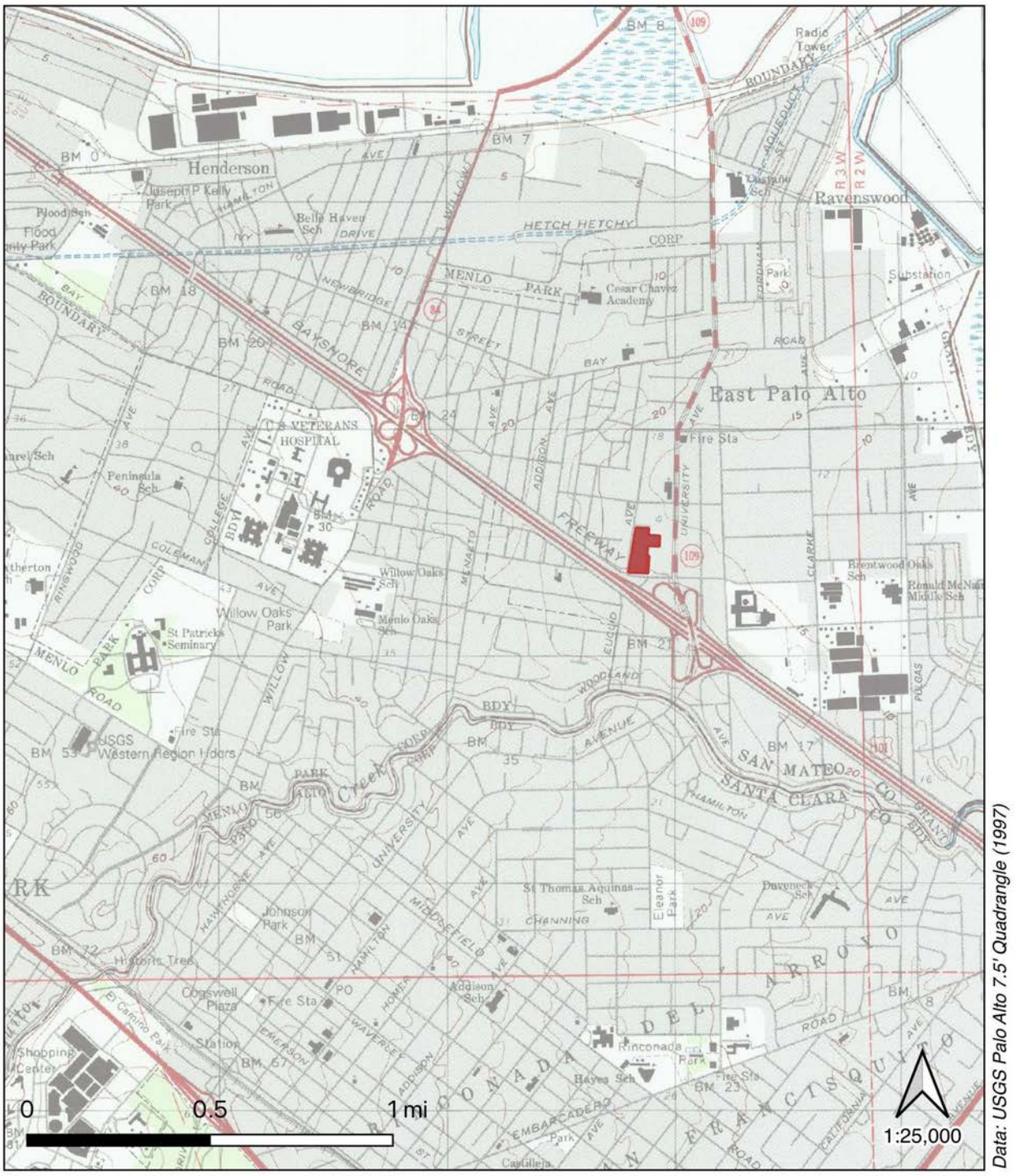


Project Location Map

2120-2160 Euclid Avenue, East Palo Alto

Legend
★ Project Location

Figure 1: Location Map



Project Vicinity Map

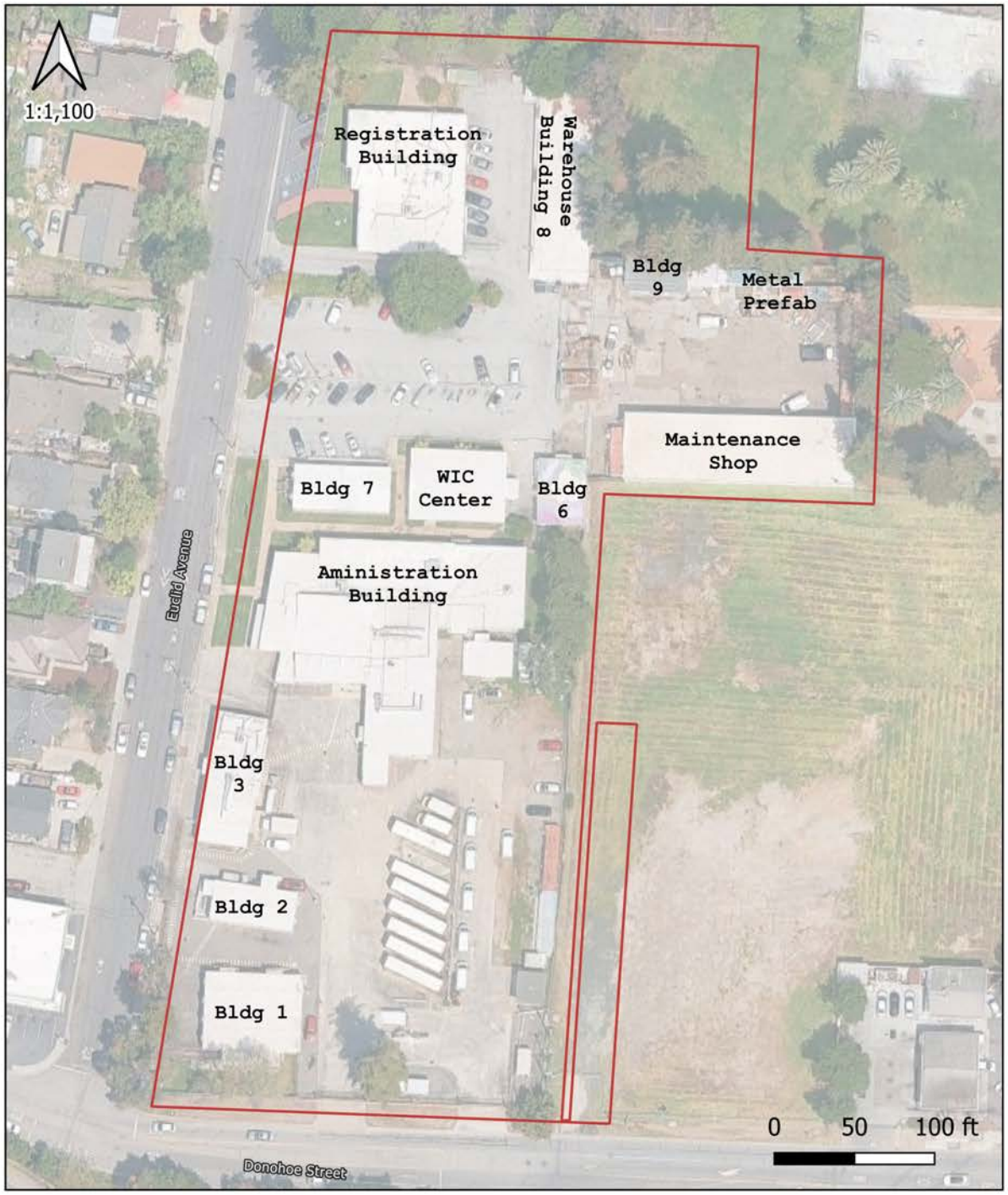
2120-2160 Euclid Avenue, East Palo Alto

Legend

Project Area

Figure 2: Vicinity Map

Figure 3: Project Area Limits



Site Plan

2120-2160 Euclid Avenue, East Palo Alto

Legend
Project Area

Figure 4: Built Environment Site Plan

DESCRIPTION OF BUILT ENVIRONMENT RESOURCES

Architectural Historian William Kostura completed a built environment survey of the project area on November 7, 2024. On May 14, 2026, Architectural Historian Jennifer Ho completed an existing conditions assessment and found no changes had occurred since the previous survey in 2024.

This school district property occupies approximately four acres of land at the northeast corner of Euclid Avenue and Donohoe Street. The irregularly-shaped lot stretches for about 645 feet along Euclid Avenue and has an average depth of about 224 feet. Added to this area is a 150 by 150-foot ell to the east. On this parcel, thirteen one-story buildings of varying sizes, structural types, materials, and styles can be found. Construction dates range from 1940 to recent decades. The buildings are used for a variety of administrative, special education, and industrial purposes, all of them by the Ravenswood School District.

SETTING

Most of the buildings are placed along or close to Euclid Avenue, though a few can be found toward the rear of the lot, in the "ell" mentioned above. Landscaping is minimal, consisting mainly of narrow lawns in front of a few of the buildings. Two areas are devoted to parking or vehicle maneuvering.

There is a cluster of three steel shipping containers at the extreme east end of the lot that span the space between the Buildings 4 and 5 (the Maintenance Shop). Each container is about 25 feet in width by eight feet in depth. These three are arranged end-to-end in an ell shape. Several openings have been cut into the walls to accommodate metal roll-up doors. These appear to be used for storage.

An open courtyard is bounded by the shipping containers mentioned above and Buildings 3 and 5. It is paved and is used for vehicle maneuvering

A large, paved area at the southeast corner of the lot serves as a vehicle service area. Most of it is paved, but the area behind Building 9 is dirt. School buses and vans are parked here. There are also small, inconspicuous car wash and fueling stations. Another cluster of two steel shipping containers are in this area, well away from other structures. The containers are about 25 feet in width by eight feet in depth and are arranged end-to-end. Openings have been cut into the walls to accommodate metal roll-up doors. These appear to be used for storage.

Figure 5: School bus and van parking lot in southeast corner of the project area

Figure 6: Shipping containers along east side of project area

BUILDINGS

REGISTRATION BUILDING: 2160 EUCLID AVENUE

The Registration Building (1954) is located at the north end of the complex, close to Euclid Avenue. A lawn, several parking spaces, and a flagpole are located between the building and the street. To the south is a driveway that leads east toward several buildings in the rear of the lot.

This building measures roughly 75 feet in width by 62 feet in depth, with some projections and recesses in the front. It can be considered to be an example of the International style of architecture because of its strongly horizontal emphasis, two wide bands of windows, and flat roof with broad eaves.

The Registration Building has three kinds of siding. Most of the front (west) façade is clad in thin, orange-colored Roman bricks. These bricks cover the slightly-projecting north pavilion, the area surrounding the main entrance, and about fourteen feet of the front to the south of the entrance. Bricks also wrap around the corner to cover the front eighteen feet of the north façade of the building. These bricks provide color and texture to the building, somewhat unusually for the International style.

Vertically laid wooden siding can be found on the southernmost 21 feet of the front façade (above a base of stucco). It also wraps around the corner to clad the northernmost fifteen feet of the south facade (again, over a base of stucco). The balance of the south side, and all of the north and east sides, are also clad in stucco.

The roof is flat and extends several feet beyond the wall plane on all sides. The soffit of the eaves is coated in stucco. The eave is broadest at the entrance, and here, a thin steel pole supports the extended roof.

The composition of the front of the building features setbacks and projections. The northern pavilion is set about eight feet forward relative to the southern part of the building. Between these two areas is a recessed entrance. A thin brick wall extends six feet forward from the north pavilion, allowing the offices in that pavilion to have some privacy from the entrance area.

The recessed main entrance is composed of paired solid wooden doors, without panels or glazing; sidelights of differing widths; and transom windows, all set in wooden framing. The floor in front of this entrance is concrete, scored, and painted maroon to match the color of the doors and windows.

All windows (other than the sidelights and transoms at the entrance) have industrial steel sash that are set in wooden frames, with wooden sills. As at the entrance, all windows, frames, and sills are painted maroon. Each sash has a component that opens, but is otherwise fixed. Although these windows are unified in their materials and color, and have roughly the same height, they vary in their widths. There are two long bands of six sash each, one in the north pavilion in the front of the building, and the other on the south side. The others are all single sash windows that are covered by protective steel grilles.

Aside from those in the main entrance, the doors in this building are all wooden. These vary slightly, one with glazing in the upper level, two with transom windows, and one without a transom.

The lobby is the only interior space that is finished in wood. Whether this wooden finish is original or not is unknown. Other rooms and the halls are finished in white plasterboard. Ceilings are acoustical tiles throughout, and floors are variously carpeted or linoleum tiles.

Figure 7: Front (west) façade of the Registration Building

Figure 8: Front entrance of Registration Building

Figure 9: North façade of Registration Building

Figure 10: South façade of Registration Building

Figure 11: East façade of Registration Building

Figure 12: Roof overhang on front façade of Registration Building

Figure 13: Front window detail Registration Building

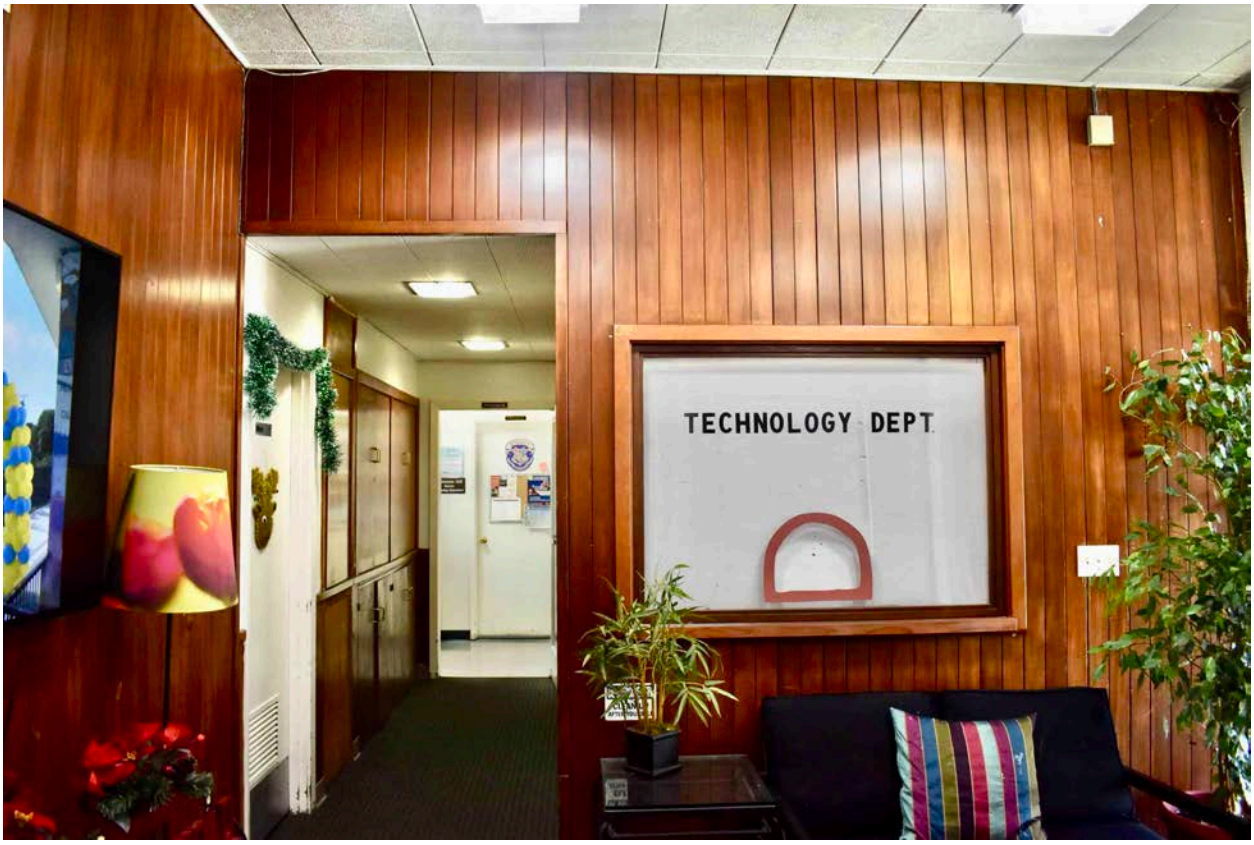


Figure 14: Registration Building lobby

ADMINISTRATION BUILDING: 2120 EUCLID AVENUE

The Administration Building is the largest in the complex. It has a highly irregular footprint, in part due to its original design and in part to later additions. The oldest part was built in 1940, and a major remodeling occurred in 1969. The dates of the additions are unknown, but they appear to have been made in recent decades.

In its widest dimensions, the building totals about 150 feet in width by 160 feet in depth. There are numerous setbacks, resulting in a stepped outline, especially on the west, south, and east sides. Two of the building's projections are obvious additions. These include a shed-roofed addition on the front of the building, to the right of the entrance; and the south wing, which looks like a prefabricated structure that was moved to the site.

Most of the building is clad in stucco. However, vertical pressboards with imitation wood grain impressed into the surface are used as siding in two places: on the front, to the left of the addition; and on most but not all of the southern prefab addition. The siding on the front is clearly non-original, while that on the prefab probably dates to when that addition was placed.

Roofs are also of varied types. In some places the building has a shed roof or a reverse shed roof of moderate pitch. In other places the roof is flat or has a very slight pitch. The eaves also vary between broad and little to no overhang. In the front of the building the eave is boxed, with a smooth, stucco soffit, while in other places the rafters are left exposed and are fronted by flat boards. It is difficult to tell to what extent these broad eaves are original to 1940.

Nearly all windows and doors are non-original, with the exception of a few. The paired, paneled, wooden doors at the main entrance (facing Euclid Avenue) may be early or original. These are set in flat board trim. Two subordinate entrances, on the north and south sides of the east wing, have original wooden sidelights and transoms, all divided by wooden muntins, and are set within flat board trim. However, the plain wooden doors in these latter two entrances are replacements. Aside from the just-mentioned sidelights, all other windows in the building have non-original aluminum or vinyl sash. These include very long bands on the north and east sides.

The interior appears to have been generally remodeled. Floors are linoleum tiles, ceilings are drop ceilings with acoustical panels, and walls are plasterboard.

Figure 15: Front (west) façade of Administration Building

Figure 16: East façade of east wing of Administration Building

Figure 17: East façade of main block of Administration Building

Figure 18: North façade of Administration Building

Figure 19: South façade of Administration Building

Figure 20: Addition on south façade of Administration Building

BUILDING 8: WAREHOUSE

This warehouse building (1954) is located directly behind, or east of, the Registration Building. A small, paved area for parking and for vehicle maneuvering separates the two buildings.

This building measures approximately 125 feet in width by 30 feet in depth. It is made of bricks that are painted white, and has a flat roof with a broad eave in front. The purlins of the eave are visible from below and are fronted by a plain board.

All visible openings are in the front (west) side of the building. Most of the north and east sides are obscured from view, so it is uncertain whether those sides have windows. Three vehicle entrances have steel roll-up doors, and pedestrian entrances have solid steel doors. They include, from left to right:

- a vehicle and pedestrian entrance pair
- another vehicle and pedestrian entrance pair
- a single pedestrian door
- paired pedestrian doors
- a vehicle entrance.

Figure 21: Front (west) and south sides of Building 8

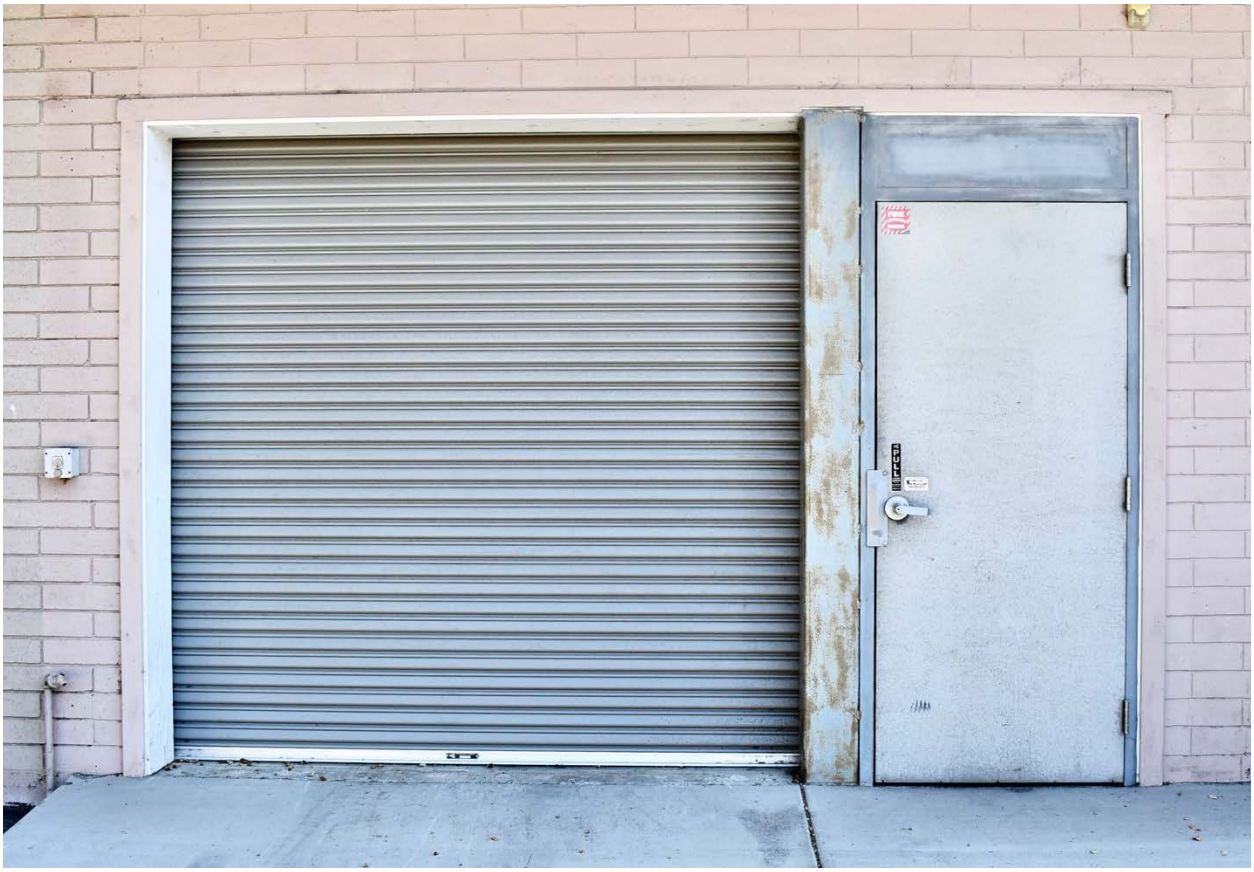


Figure 22: Front vehicle and pedestrian doors, Building 8

Figure 23: South and east sides of Building 8

BUILDING 9 & METAL PREFAB

Building 9 and the connected metal prefabricated building both date to after 1980. Building 9 is an inexpensively built wooden shed. It is located toward the rear of the lot, just east of Building 8 and across the courtyard from the Maintenance Shop. Building 9 measures roughly 20 feet in front by 37 feet in depth. It has a front-gabled roof of moderate pitch. There are two kinds of siding: plywood in the front and rear, and vertical wood siding that rests upon a concrete foundation on the south side. (The north side is not visible.). Openings include a roll-up vehicle door and a plain wooden pedestrian door in the front; and a metal or vinyl window in the south side. Two steel mesh pop-outs flank this window. The condition of the building is generally poor.

A small wooden hyphen connects Building 9 with the steel prefab building to the east. It is, very roughly, about ten feet in width by 50 feet in depth, and it has sheet metal siding and two steel doors and one aluminum sash window in the south side.

Figure 24: Front (west) and south sides of Building 9

Figure 25: Metal prefab attached to Building 9

MAINTENANCE SHOP

The Maintenance Shop is located at the rear of the lot, about 250 feet east of Euclid Avenue. Aerial photographs indicate it was built between 1963 and 1965, which is consistent with its materials and general appearance.

The building measures about 150 feet in width by 40 feet in depth, and is almost 20 feet in height. It is a steel frame building that is covered on all sides by corrugated sheet metal. Its nearly-flat shed roof is corrugated sheet metal that is supported by thin steel beams. The floor is a concrete slab. All openings are on the long north side. Most prominently, these include six large vehicle entrances with roll-up steel doors. These vary in width from eighteen to 21 feet in width. Steel piers that vary from 1'-3" to 2'-3" in width separate these entrances and divide the facade into six bays. There is one exception to this description, namely, that the pier between bays two and three is wide enough to accommodate a steel pedestrian door.

The interior is divided by wooden partitions into six parts that correspond to the exterior bays. Whether these partitions are original is unknown.

Figure 26: North and west sides of Maintenance Shop

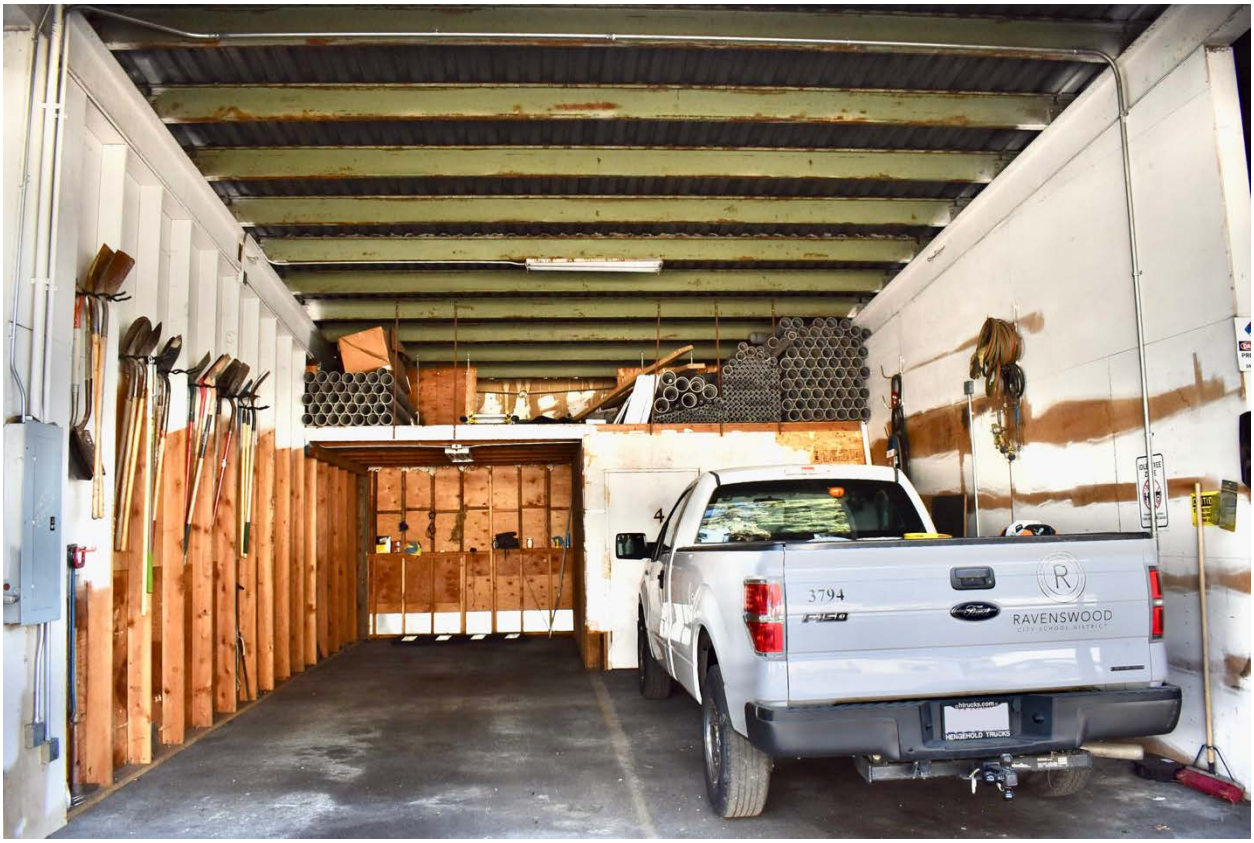


Figure 27: Bay interior, Maintenance Shop

BUILDING 6

This relocatable building dates to 1966. It is approximately 30 feet width by 45 feet depth, with a flat roof with extended eaves on the north and south sides. It has a reinforced concrete foundation, pressboard siding with imitation wood grain pressed into the surface, metal sash windows, and a door with wire glass glazings.

Figure 28: North and west façades of Building 6

WIC CENTER

The WIC Center was built between 1968-1974 and measures about 33 by 60 feet. It has the appearance of a portable prefab building. However, its heavy steel frame construction suggests that it may have been purpose-built on this site. Though the roof is nominally gabled, it is so low-pitched as to be almost flat. The roof extends to form eaves on its north and south sides, with visible steel supports. The foundation is a concrete slab. The siding is sheet metal which is recessed slightly behind visible steel piers. Windows, some of them arranged in bands, and others arranged singly, have flat steel sash. There are two entrances. The main entrance is on the east side (facing Building 6). It features a wheelchair ramp that leads up to a concrete porch with steel railings and balusters, wooden posts that support a flat wooden roof, and a paneled door with glazing. The other entrance is on the south side. Here, two concrete steps lead up to a solid door.

Figure 29: North and west façades of WIC Center

Figure 30: South façade of WIC Center

Figure 31: East façade and entrance of WIC Center

BUILDING 7

Building 7 was built or moved to this location between 1993-2002. Located on Euclid Avenue, it measures 25 feet in width by 60 feet in depth. It has a front-gabled, low-pitched roof without extended eaves, pressboard siding with imitation wood grain pressed into the surface, and metal sash windows set in flat board trim. The front (west) façade has a wood porch with steps, railings, and a door with glazing. There is a wheelchair ramp on the north side.

Figure 32: Front (west) and south façades of Building 7

BUILDING 5

This small, wood building was probably built on-site between 1956–1963. It nestles into the angle formed by two of the wings of Administration Building, on that building's southeast side.

The wood-framed building measures about 25 feet by 18 feet, rests upon a concrete foundation, and has a gabled roof with extended eaves and visible purlins fronted by plain bargeboard. There are three kinds of siding: horizontal V-groove siding on the south and east sides, stucco on the west side, and vertical siding on the north side.

The main entrance is centered on the south side. Here, three concrete steps lead up to a paneled wooden door, with glazing divided by wooden muntins. A plain, solid wooden door with two concrete steps can also be found on the west side. The several windows have aluminum sash set in wooden frames with thin sills. Those in south side, flanking the main entrance, are large, while the others are much smaller. The gabled area on the south side is also glazed.

Figure 33: South and west façades of Building 5

BUILDING 3: STUDENT SERVICES BUILDING, 2110 EUCLID AVENUE

Although aerial photos place a building in this location by 1965, it looks like a much more recent prefab. It fronts on Euclid Avenue, just south of Building 9 and measures 80 feet in width by 33 feet in depth. The flat roof is fronted by plain fascia boards, and the building has pressboard siding with imitation wood grain pressed into the surface. All windows have vinyl window sash. There is a narrow entrance in the long west side, with a concrete step and porch landing, steel railing, and steel door.

Figure 34: Front (west) and north façades of Building 3

BUILDING 1 (SPECIAL EDUCATION) & BUILDING 2 (TRANSPORTATION)

These two buildings appear to be prefabricated buildings that were moved to this site between 1993-2002. They both front on Euclid Avenue near the intersection with Donohoe Street.

Building 2 measures 25 feet in width by 50 feet in depth. It has a nearly flat roof with slight gable pitch, fronted by wooden fascia boards and vertical wooden siding over basement-level pressboard siding with imitation wooden grain. The windows are aluminum sash, except for one with vinyl sash; set in flat board trim. A wood wheelchair ramp and wooden porch span the front of this building.

Building 1 measures 48 feet in width by 60 feet in depth. It has a flat roof and sheet metal siding on the main walls, over a basement level of pressboard siding with imitation wooden grain. The windows are aluminum sash. There are entrances with porches on the north side, with steel treads and landing, wooden risers and railings, and sheet metal awnings.

Figure 35: Front (west) and north façades of Building 2

Figure 36: Front (north) and west façades of Building 1

HISTORIC CONTEXT

EAST PALO ALTO

During the Spanish and Mexican periods, East Palo Alto was part of Rancho de Las Pulgas, a 35,000-acre land grant to Jose Argüello. The rancho stretched from the Bay estuary to the Crystal Springs Reservoir Valley, and from San Mateo Creek to the Santa Clara county line (Stanger 1938:40). It includes the present-day towns of San Mateo, Belmont, San Carlos, Redwood City, Atherton, and Menlo Park. Rancho de las Pulgas was subdivided beginning in the 1850s, with the settlement of Ravenswood platted in 1854 (Hoover et al. 2002:402).

RAVENSWOOD AND RUNNYMEDE

Isaiah Woods, a San Francisco banker and speculator, led a group of investors in acquiring 3,674 acres of land in what is now East Palo Alto. Woods named the area Ravenswood and laid out a townsite c. 1850 (Michelson and Solomonson 1994:24-25). He established a wharf at what is now Cooley Landing. This port served as a hub for goods and passengers traveling between San Francisco and the interior via stagecoach. Ravenswood was one of the first platted communities in what became San Mateo County (Rigenhagen 1993:4). However, Woods' plans for the settlement failed to materialize by the mid-1850s; Redwood City became the main point of commerce and shipping for the area instead, and Woods left for Australia, fleeing his creditors (Hynding 1982:134).

During the latter half of the 19th century, most of Ravenswood was occupied by farms or country retreats for San Franciscans. The town remained small and quiet, with the exception of the establishment of the Hunter and Shackelford brick factory, Ravenswood's main enterprise in the 1870s and 1880s. With seven kilns, it produced up to 50,000 bricks a day and employed a predominantly Chinese workforce (Michelson and Solomonson 1994:28-30; Rigenhagen 1993:7).

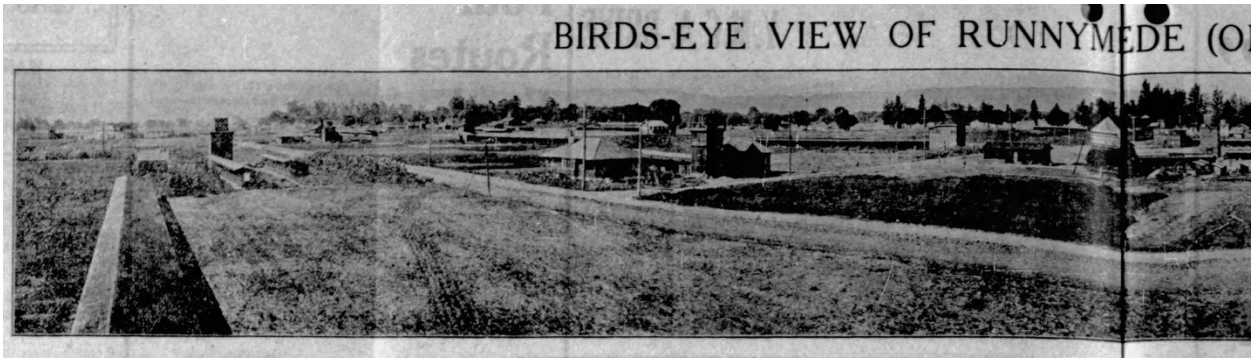


Figure 37: Runnymede Poultry Colony in 1917 (Peninsula Times Tribune 1917)

In 1916, the Runnymede Poultry Colony was established on the former Ravenswood lands by Charles Weeks. Weeks' colony sought to promote a self-sufficient, utopian agricultural lifestyle based on his system of intensive poultry farming that allowed families to support themselves on a single acre of land (Michelson and Solomonson 1994:24, 36). The colony attracted a wide variety of people, especially single women, and by 1917 had 40 families, a clubhouse, and a cooperative store (Peninsula Times Tribune 1917). It grew to become one of the largest poultry producers in the United States during the 1920s (Hine 1983:144-149). By 1922, the Runnymede community had expanded

significantly; there were approximately 400 families engaged in raising chickens, rabbits, and goats, as well as cultivating fruits and vegetables across more than 640 acres. The colony's growth also led to an increase in school attendance, which rose from just a few students to over 300 (Rigenhagen 1993:8). Unfortunately, rising property values, water quality issues, and the colony's labor demands led to its decline by the late 1920s (Michelson and Solomonson 1994:36). After the dissolution of the poultry colony, the area remained agricultural, featuring numerous flower farms operated by Italian Americans and Japanese Americans (Michelson and Solomonson 1994:54-55).

POST-WAR DEVELOPMENT

World War II marked a turning point for East Palo Alto area. Industrial growth and suburbanization accelerated in the 1940s and 50s, and the population grew to 8,000 during that that time. The construction of Highway 101 in 1932 significantly improved access to the area, facilitating the movement of goods and people (Rigenhagen 1993:5; Michelson and Solomonson 1994:59; Hynding 1982:136). Following the war, new housing developments drew a diverse population, including many African American families who relocated during the Great Migration. East Palo Alto became one of the few places on the Peninsula where Black families had the opportunity to purchase property (Simister 2016:6–8). Its population grew to 18,000 by the late 1960s (Rigenhagen 1993:17).

By the mid-20th century, socioeconomic challenges began shaping the community's identity. While nearby cities grew affluent, East Palo Alto faced systemic neglect, limited infrastructure, and economic disparities. After contentious debate, the city was incorporated in 1983 (Michelson and Solomonson 1994:73-74; City General Plan 2018:3-7).

RAVENSWOOD SCHOOL DISTRICT & HISTORY OF THE PROJECT AREA

As Charles Weeks' Runnymede community grew exponentially in its first few years, the colonists needed a larger community center, and their children needed a school. Weeks donated three acres at Euclid and Donahoe to the Ravenswood School District, and a school designed by architect Norman R. Coulter was built on the project area in 1918 (Michelson & Solomonson 1994:43; Peninsula Times Tribune 1918). In 1919, it was described as a "modern, up-to-the-minute" school building, featuring brick construction, three classrooms, and an assembly hall (Peninsula Times Tribune 1919). Enrollment went from 18 students in June 1918 to 80 students in January 1919, and the school quickly expanded becoming the largest school in the county (Redwood City Standard 1919a,b). Two Mission style classrooms were added, as well as an auditorium that seated 700 for Runnymede community meetings and a motion picture room, all designed by Coulter (Michelson & Solomonson 1994:43). These original buildings were located on the southern part of the project area (Fairchild Aerial Surveys 1930; USGS 1943).

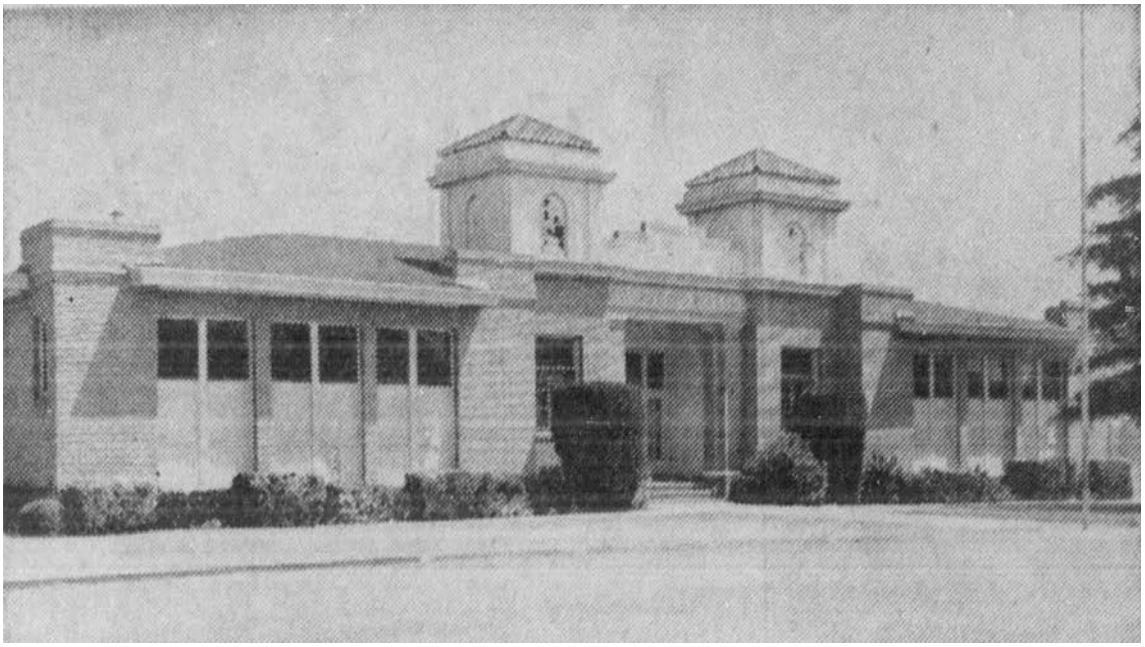


Figure 38: The original Ravenswood School on the project area, built 1918 (Hatt 1964)

By 1940 there was a need for more space due to overcrowding. The district brought on architect Dole Thompson to design a new building that included new classrooms, a cafeteria, and a gymnasium (the current Administration Building). This new plan strategically positioned the building away from the Bayshore Highway to reduce noise. The district completed these additions by early 1941 (The Peninsula Times Tribune 1940, 1941).

Figure 39: Ravenswood School in 1941 (Fairchild Aerial Surveys)

By 1953, the school district closed the original school buildings on the southern part of the project area, deeming them unsafe for students and school use (Hatt 1954). A new administrative building (current Registration Building) and storage facility (Building 8) designed by Donald Francis Haines were constructed in 1954, and the original school buildings were demolished around the same time. The Administration building was converted to a special services school offering special education and supplementary classes for advanced students in 1955 (Peninsula Times Tribune 1955). A children's daycare center was opened in 1964 in a temporary bungalow on the project area (Green 1970). The Administration Building was remodeled in 1969 (design by Fred L. Osmon) for the children's center to occupy. In 1978, space was leased to the East Palo Alto Senior Center (The Peninsula Times Tribune 1978).

The project area was used for bus staging as early as 1963 (Engeo 2023:7). Additional buildings were constructed as follows:

- Building 5 between 1958-1963 (Engeo 2023)
- Maintenance Shop and Building 3 between 1963-1965 (Engeo 2023; Cartwright Aerial Surveys 1965)
- Building 6 in 1966 per plans by Mobile Rentals Corporations
- WIC Center between 1968-1974 (Cartwright Aerial Surveys 1968; Engeo 2023)
- Buildings 1, 2, and 7 in the 1990s (Engeo 2023)
- Building 9 and metal prefab in the 1990s or early 2000s

ARCHITECTS

Of the architects who designed the extant building on the project site – Dole Thompson, Fred L. Osmon, and Donald Francis Haines – only Haines appears to be an architect of note. Research did not reveal any information about the careers or other works of Thompson or Osmon.

Haines (1915-2014) had an office in San José in the 1950s, but later was a partner in the firm Haines Tatarian Ipsen and Associates in San Francisco (PCAD n.d.). He worked on a number of schools as well as commercial and civic buildings. He is primarily recognized for designing San José City Hall (1958), featured in Architect & Engineer in 1958. It was described in the San José Modernism Context as

> a curvilinear, four-story, reinforced concrete design sheathed in continuous bands of glass framed by brick veneer on both sides. The result is an impressive Modernist building that reinterprets the European iterations of the International Style (PAST Consultants 2009:41).

None of Haines' other work received similar attention. He retired in 1970 (Legacy.com n.d.).

SIGNIFICANCE EVALUATION AND RECOMMENDATIONS

None of the buildings on the project area have been previously listed under any local, State, or Federal historic resource designation criteria.

CALIFORNIA REGISTER OF HISTORICAL RESOURCES

In September 1992, Governor Wilson signed Assembly Bill 2881 which created more specific guidelines for identifying historic resources during the project review process under the California Environmental Quality Act (CEQA):

> A project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. For purposes of this section, an historical resource is a resource listed in, or determined eligible for listing in, the California Register of Historical Resources.[1]

Consequently, under Public Resources Code Section 21084.1, an historic resource eligible for the California Register of Historical Resources (CRHR) would by definition be an historic resource for purposes of CEQA compliance. The Final Guidelines for nominating resources to the California Register were published January 1, 1998. Under the regulations, a number of historic resources are automatically eligible or presumed to be eligible for the CRHR if they have been listed under various state, national, or local historic resource criteria. An historic resource listed in or determined eligible for the National Register is by definition also eligible for the CRHR. An historic resource listed in a local historic resources inventory is presumed to be historically or culturally significant unless the preponderance of the evidence demonstrates that it is not historically or culturally significant (CEQA Guidelines Section 15064.5(a)(2)).

In order for a resource to be eligible for the California Register, it must satisfy all of the following three criteria (A, B, & C):

A. A property must be significant at the local, State, or national level, under one or more of the following four "Criteria of Significance" (these are essentially the same as National Register criteria with more emphasis on California history):

1. the resource is associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States.
2. the resource is associated with the lives of persons important to the nation or to California's past.
3. the resource embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master, or possesses high artistic values.

[1] California State Assembly, Assembly Bill 2881, Frazee, 1992. An Act to Amend Sections 5020.1, 5020.4, 5020.5, 5024.6 and 21084 of, and to add Sections 5020.7, 5024.1, and 21084.1 to, the Public Resources Code, relating to historic resources.

4. the resource has the potential to yield information important to the prehistory or history of the State or the nation (criterion 4 applies primarily to archaeological sites and not historic buildings).

B. the resource retains historic integrity; and,

C. it is 50 years old or older (except for rare cases of structures of exceptional significance).

The California Register regulations define "integrity" as ". . . the authenticity of a property's physical identity, evidenced by the survival of characteristics that existed during the property's period of significance," that is, it must retain enough of its historic character or appearance to be recognizable as an historical resource. Following the National Register integrity criteria, California Register regulations specify that integrity is a quality that applies to historic resources in seven ways: location, design, setting, materials, workmanship, feeling and association.[2]

EVALUATIONS

Here the buildings on the project area are considered as a complex and individually. Five buildings – Buildings 1, 2, 7, 9, and attached metal prefab – are all less than 45 years old and thus are not evaluated individually, only as they relate to the complex as a whole.

INTEGRITY

Registration Building: No exterior alterations, other than the protective grilles over some windows, appear to have been made to this building. The integrity of the interior is unknown. In sum, the exterior of this building retains integrity of location, design, materials, workmanship, feeling, and association. Because many buildings in this complex were added in recent decades, or have been altered, integrity of setting is mostly lost.

Administration Building: This building has been greatly remodeled. Changes include the pressboard siding on the front, the small addition on the front, the prefab addition on the south, most doors, and all aluminum and vinyl windows. Whether the stucco siding is original or not is uncertain. Other than the sidelights and transoms surrounding the two entrances in the east wing, it is difficult to point with confidence to any original elements in this building. Thus, integrity of design, materials, workmanship, feeling, and association have been lost. Due to the many recent additions to the complex, integrity of setting is also lost. Only integrity of location is retained.

Building 8: Whether these doors are originals or are replacements is unknown. Because they occupy a large percentage of the main facade, the overall integrity of this building is difficult to judge.

Maintenance Shop: The exterior of this building retains integrity of location, design, materials, workmanship, feeling, and association. Because many buildings in this complex were added in recent decades, or have been altered, integrity of setting is mostly lost.

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[2] The definition of integrity under the California Register follows National Register of Historic Places criteria. Detailed definitions of the qualities of historic integrity are in National Register Bulletin 15, *How to Apply National Register Criteria for Evaluation*, published by the National Park Service.

WIC Center: No alterations to this building are evident. Thus, it retains integrity of design, materials, workmanship, feeling, and association. If it was built on this site, instead of having been moved here, it also retains integrity of location, but this is uncertain. Because many buildings in this complex were added in recent decades, or have been altered, integrity of setting is mostly lost.

Building 5: This variety of sidings indicates either alterations, inexpensive initial construction, or both. Because the construction date is unknown, the integrity of this small building is difficult to judge.

Buildings 3, 6, and 7: The integrity of these prefabricated buildings is difficult to judge. In general, however, they are probably little changed since the time they were moved to and adapted for this site.

CRHR CRITERIA

The Complex

Criterion 1. The property is associated with the early development of education in East Palo and the community of the Runnymede Poultry Colony, both important themes in the history of East Palo Alto. However, the early buildings connected to these themes have been demolished. Only the current Administration Building (1940) was ever used as a school; the rest of the buildings in the complex are related to district administration and programs and storage. Therefore, the building complex as a whole appears to be not eligible under CRHR Criterion 1.

Criterion 2. No specific administrators, educators, students, or community members were identified as especially connected to the building complex. Thus, research did not reveal any individuals associated with the building complex who have achieved significance in the history of East Palo Alto, California, or the nation. The complex, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. The buildings in this complex date from between 1940 and the early 2000s. Some of them were built in place, and some were prefabs that were moved here. This process of construction was ad hoc over a period of several decades and was not performed according to a master plan. With one exception — the Registration Office — all of the buildings are strictly utilitarian in appearance and exhibit little or no architectural consideration. Thus, this complex of buildings as a whole lacks architectural distinction, and does not appear to be eligible for the CRHR under Criterion 3.

Criterion 4. This criterion is usually used to evaluate archaeological sites. In some cases, a built environment resource may contain useful information about construction techniques or the use of materials by builders. However, all of the buildings in the complex was constructed using materials and techniques that were typical of its period. Therefore, it does not appear to be eligible under CRHR Criterion 4. The buildings discussed below are also not eligible individually under Criterion 4. Please note that this evaluation does not include the archaeological potential of the complex or individual buildings.

Registration Building

Criterion 1. The Registration Building is associated with the theme of education in East Palo Alto. Its primary use has been as an administration building only. It is not an important building in this theme,

nor is it the site of any significant events in the history of education in East Palo Alto. For these reasons, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. No specific administrators or educators were identified as especially connected to the Registration Building, and research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. The Registration Building was clearly built according to the prevailing ideas of Modern design in the 1950s, and exhibits some of the elements of the International style. These elements include the generally horizontal emphasis of the composition, a flat roof with broad eaves, two wide bands of windows, and a lack of ornament or moldings. In one way, this building possesses a quality that most others of this style lack, namely, the color and texture that are imparted by the use of Roman bricks, which extend across about 60 percent of the front (and much of that area is devoted to a large window to the left of the entrance). The rest of the front is occupied by the glassy entrance and by the wood and stucco area to the south. The use of brick in the facade feels incomplete, and the potential for a design that possesses the warm quality imparted by Roman bricks was not fully realized.

In addition to the above argument, the architect of the building, Donald Francis Haines, is not generally recognized as an important practitioner of the period outside of his design for San José City Hall (1958). For these reasons, this building does not appear to be eligible for the CRHR under this criterion.

Administration Building

Criterion 1. The Administration Building is associated with the early development of education in East Palo. However, it is a late example of a school building from this period, was not used as a school after 1955, and lacks integrity. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. No specific administrators, educators, students, or community members were identified as especially connected to the Administration Building, and research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. Dating to 1940, this is the oldest building in this complex. It has been extensively altered and added to, however. Other than two sets of sidelights and transoms, almost no trace of its original appearance remains. The remodeled appearance is undistinguished and does not express an architectural style. Due to the original building's lack of integrity, and the current design's lack of significance, this building does not appear to be eligible for the CRHR under this criterion.

Building 8

Criterion 1. This building is a storage building that is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. Designed by Donald Francis Haines along with the Registration Building, this building is an unexceptional, utilitarian storage building. Haines is not generally recognized as an important practitioner of the period outside of his design for San José City Hall (1958). For these reasons, this building does not appear to be eligible for the CRHR under this criterion.

Maintenance Shop

Criterion 1. This building, apparently used for maintenance on school district vehicles, is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. This is a typical, utilitarian industrial building of its time. It is simply an expanse of sheet metal wrapped around a steel frame, with openings devoted to roll-up steel doors. There is a certain rhythm imparted by the march of the openings across the front, but these openings, and the piers between them, are of varying widths, which detracts from the rhythm. For these reasons, this building does not appear to be eligible for the CRHR under this criterion.

Building 6

Criterion 1. This building's use is unknown. It is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. Building 6 is a prefabricated building. It is simple and inexpensive in its construction and lacks architectural distinction. It does not appear to be eligible for the CRHR under this criterion.

WIC Center

Criterion 1. The WIC Center is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. The WIC Center has the appearance of a prefab building, though it is probably too large and heavy to have been moved here. It thus seems more likely that it was built in place sometime during 1968-1974. Its best feature is the fact that the vertical steel structural members are visible on the exterior of the building, as are the steel roof supports on the north and south sides. This fact aside, the building lacks color, texture, details, or moldings of any kind. The sheet metal exterior is plain, and the steel windows of different sizes are irregularly arranged across the two long sides. This building does not appear to be eligible for the California Register under this criterion.

Building 5

Criterion 1. This building's specific use is unknown, though it may have been used for storage. It is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. This is a very small building, with different surface materials on its different sides and large aluminum windows crowding the main entrance. The building lacks a specific style, and does not appear to be eligible for the CRHR under this criterion.

Building 3

Criterion 1. This building is currently used as a student services building, and has most likely been an administrative building since it was moved to the project area in c. 1964. It is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. Building 3 is a prefabricated building. It is simple and inexpensive in its construction and lacks architectural distinction. It does not appear to be eligible for the CRHR under this criterion.

FINDINGS AND CONCLUSIONS

The Historic Resource Evaluation of 2120-2160 Euclid Avenue in East Palo Alto has determined that the 13 buildings on the project area appear not eligible for the California Register of Historical Resources because they are not individually significant under California Register Criteria 1, 2, 3 or 4. The buildings also do not appear eligible as a complex, nor are they potential contributors to a historic district. Since the buildings are not historical resources, the proposed project would not adversely impact historical resources as defined in the CEQA Guidelines (14 CCR §15064.5).

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APPENDIX 1: DPR 523 FORMS

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings

Review Code _____ Reviewer _____ Date _____

Page 1 **of** 37 ***Resource Name or #:** Ravenswood School District Administrative Complex

***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**

***a. County** San Mateo **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** Palo Alto **Date** 2021 **T** 5S ; **R** 3W; Rancho de las Pulgas M.D. **B.M.**

c. Address 2120-2160 Euclid Avenue City East Palo Alto Zip 94303

d. UTM: Zone mE / mN

e. Other Locational Data: APN 063-292-380; 2110 Euclid Avenue

***P3a. Description:**

This school district property occupies approximately four acres of land at the northeast corner of Euclid Avenue and Donohoe Street. The irregularly-shaped lot stretches for about 645 feet along Euclid Avenue and has an average depth of about 224 feet. Added to this area is a 150 by 150-foot ell to the east. On this parcel, thirteen one-story buildings of varying sizes, structural types, materials, and styles can be found. Construction dates range from 1940 to recent decades. The buildings are used for a variety of administrative, special education, and industrial purposes, all of them by the Ravenswood School District. [SEE CONTINUATION SHEETS]

***P3b. Resource Attributes:** (HP15) Educational building

***P4. Resources Present:** ☒ Building ☒ Structure Object ☐ Site ☐ District ☐ Element of District ☐ Other

P5b. Description of Photo:
Front (west) façade of Registration Bldg 11/07/24

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
Between 1940-early 2000s (plans and aerial photos)

***P7. Owner and Address:**
Ravenswood School District
2120 Euclid Ave
East Palo Alto, CA 94303

***P8. Recorded by:**
William Kostura
Archaeological/Historical Consultants
609 Aileen Street,
Oakland, CA 94609
www.ahc-heritage.com

***P9. Date Recorded:** November 7, 2024

P10. Survey Type: Intensive

***P11. Report Citation**: Ho, Jennifer, William Kostura, & Kenetha Harrington. 2024 *Historical Resources Evaluation: 2120-2160 Euclid Avenue, East Palo Alto, San Mateo County, CA*. Archaeological/Historical Consultants, Oakland, CA.

***Attachments:** ☐ NONE ☒ Location Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☒ Other (List): Sketch Map

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** Ravenswood School District Administrative Complex ***NRHP Status Code** 6Z
Page 2 **of** 37

B1. Historic Name: Ravenswood School
B2. Common Name:
B3. Original Use: Educational (classroom and administrative) B4. Present Use: Educational (administrative only)

***B5. Architectural Style:** Various, including International Style

***B6. Construction History:** The Administration Building was built in 1940 and extensively remodeled in 1969 (building plans). The Registration Building and Building 8 were built in 1954 and Building 6 in 1966 (building plans). Building 5 was built between 1958-1963; Maintenance Shop and Building 3 between 1963-1965; WIC Center between 1968-1974; Buildings 1, 2, and 7 in the 1990s; and Building 9 and metal prefab in the 1990s or early 2000s (aerial photos).

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** **Original Location:**

***B8. Related Features:** Shipping container

B9a. Architect: Dole Thompson (Administrative Building); Donald Francis Haines (Registration Building) b. Builder: unknown

***B10. Significance: Theme Area**
Period of Significance Property Type Applicable Criteria

EAST PALO ALTO
During the Spanish and Mexican periods, East Palo Alto was part of Rancho de Las Pulgas, a 35,000-acre land grant to Jose Argüello. The rancho stretched from the Bay estuary to the Crystal Springs Reservoir Valley, and from San Mateo Creek to the Santa Clara county line (Stanger 1938:40). It includes the present-day towns of San Mateo, Belmont, San Carlos, Redwood City, Atherton, and Menlo Park. Rancho de las Pulgas was subdivided beginning in the 1850s, with the settlement of Ravenswood platted in 1854 (Hoover et al. 2002:402). [SEE CONTINUATION SHEETS]

B11. Additional Resource Attributes:

***B12. References:** [SEE CONTINUATION SHEETS]

B13. Remarks:

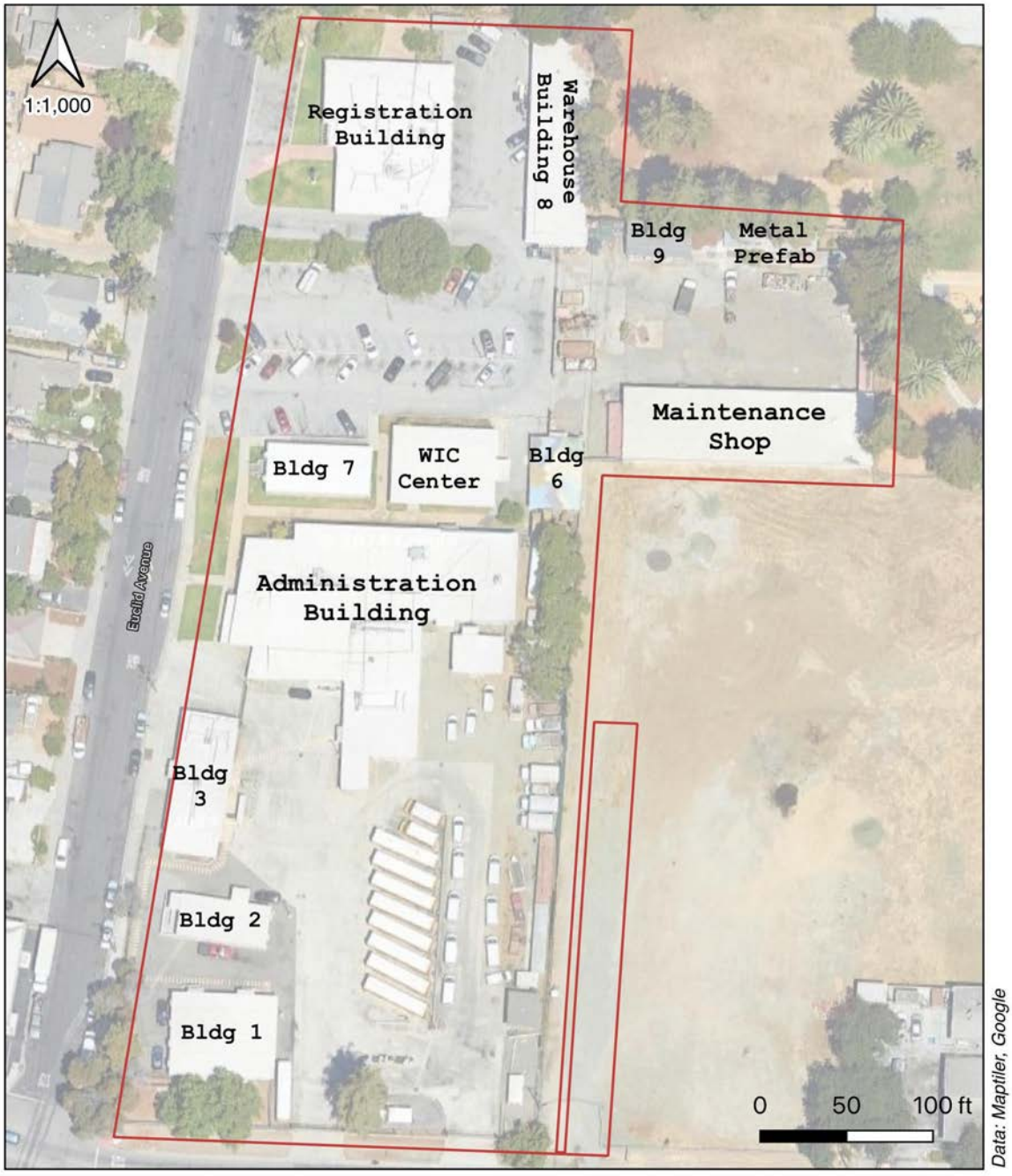
***B14. Evaluator:** Jennifer Ho & William Kostura

***Date of Evaluation:** November 2024

(Sketch Map with north arrow required.)

(This space reserved for official comments.)

*P3a. Description (Continued):



Site Plan

2120-2160 Euclid Avenue, East Palo Alto

Legend
Project Area

SETTING

Most of the buildings are placed along or close to Euclid Avenue, though a few can be found toward the rear of the lot, in the "ell" mentioned above. Landscaping is minimal, consisting mainly of narrow lawns in front of a few of the buildings. Two areas are devoted to parking or vehicle maneuvering.

There is a cluster of three steel shipping containers at the extreme east end of the lot that span the space between the Buildings 4 and 5 (the Maintenance Shop). Each container is about 25 feet in width by eight feet in depth. These three are arranged end-to-end in an ell shape. Several openings have been cut into the walls to accommodate metal roll-up doors. These appear to be used for storage.

An open courtyard is bounded by the shipping containers mentioned above and Buildings 3 and 5. It is paved and is used for vehicle maneuvering

A large, paved area at the southeast corner of the lot serves as a vehicle service area. Most of it is paved, but the area behind Building 9 is dirt. School buses and vans are parked here. There are also small, inconspicuous car wash and fueling stations. Another cluster of two steel shipping containers are in this area, well away from other structures. The containers are about 25 feet in width by eight feet in depth and are arranged end-to-end. Openings have been cut into the walls to accommodate metal roll-up doors. These appear to be used for storage.

School bus and van parking lot in southeast corner of the project area

Shipping containers along east side of project area

BUILDINGS

Registration Building: 2160 Euclid Avenue

The Registration Building (1954) is located at the north end of the complex, close to Euclid Avenue. A lawn, several parking spaces, and a flagpole are located between the building and the street. To the south is a driveway that leads east toward several buildings in the rear of the lot.

This building measures roughly 75 feet in width by 62 feet in depth, with some projections and recesses in the front. It can be considered to be an example of the International style of architecture because of its strongly horizontal emphasis, two wide bands of windows, and flat roof with broad eaves.

The Registration Building has three kinds of siding. Most of the front (west) façade is clad in thin, orange-colored Roman bricks. These bricks cover the slightly-projecting north pavilion, the area surrounding the main entrance, and about fourteen feet of the front to the south of the entrance. Bricks also wrap around the corner to cover the front eighteen feet of the north façade of the building. These bricks provide color and texture to the building, somewhat unusually for the International style.

Vertically laid wooden siding can be found on the southernmost 21 feet of the front façade (above a base of stucco). It also wraps around the corner to clad the northernmost fifteen feet of the south facade (again, over a base of stucco). The balance of the south side, and all of the north and east sides, are also clad in stucco.

The roof is flat and extends several feet beyond the wall plane on all sides. The soffit of the eaves is coated in stucco. The eave is broadest at the entrance, and here, a thin steel pole supports the extended roof.

The composition of the front of the building features setbacks and projections. The northern pavilion is set about eight feet forward relative to the southern part of the building. Between these two areas is a recessed entrance. A thin brick wall extends six feet forward from the north pavilion, allowing the offices in that pavilion to have some privacy from the entrance area.

The recessed main entrance is composed of paired solid wooden doors, without panels or glazing; sidelights of differing widths; and transom windows, all set in wooden framing. The floor in front of this entrance is concrete, scored, and painted maroon to match the color of the doors and windows.

All windows (other than the sidelights and transoms at the entrance) have industrial steel sash that are set in wooden frames, with wooden sills. As at the entrance, all windows, frames, and sills are painted maroon. Each sash has a component that opens, but is otherwise fixed. Although these windows are unified in their materials and color, and have roughly the same height, they vary in their widths. There are two long bands of six sash each, one in the north pavilion in the front of the building, and the other on the south side. The others are all single sash windows that are covered by protective steel grilles.

Aside from those in the main entrance, the doors in this building are all wooden. These vary slightly, one with glazing in the upper level, two with transom windows, and one without a transom.

The lobby is the only interior space that is finished in wood. Whether this wooden finish is original or not is unknown. Other rooms and the halls are finished in white plasterboard. Ceilings are acoustical tiles throughout, and floors are variously carpeted or linoleum tiles.

Front (west) façade of the Registration Building

Front entrance of Registration Building

Front window detail Registration Building

North façade of Registration Building

South façade of Registration Building

East façade of Registration Building

Roof overhang on front façade of Registration Building

Administration Building: 2120 Euclid Avenue

The Administration Building is the largest in the complex. It has a highly irregular footprint, in part due to its original design and in part to later additions. The oldest part was built in 1940, and a major remodeling occurred in 1969. The dates of the additions are unknown, but they appear to have been made in recent decades.

In its widest dimensions, the building totals about 150 feet in width by 160 feet in depth. There are numerous setbacks, resulting in a stepped outline, especially on the west, south, and east sides. Two of the building's projections are obvious additions. These include a shed-roofed addition on the front of the building, to the right of the entrance; and the south wing, which looks like a prefabricated structure that was moved to the site.

Most of the building is clad in stucco. However, vertical pressboards with imitation wood grain impressed into the surface are used as siding in two places: on the front, to the left of the addition; and on most but not all of the southern prefab addition. The siding on the front is clearly non-original, while that on the prefab probably dates to when that addition was placed.

Roofs are also of varied types. In some places the building has a shed roof or a reverse shed roof of moderate pitch. In other places the roof is flat or has a very slight pitch. The eaves also vary between broad and little to no overhang. In the front of the building the eave is boxed, with a smooth, stucco soffit, while in other places the rafters are left exposed and are fronted by flat boards. It is difficult to tell to what extent these broad eaves are original to 1940.

Nearly all windows and doors are non-original, with the exception of a few. The paired, paneled, wooden doors at the main entrance (facing Euclid Avenue) may be early or original. These are set in flat board trim. Two subordinate entrances, on the north and south sides of the east wing, have original wooden sidelights and transoms, all divided by wooden muntins, and are set within flat board trim. However, the plain wooden doors in these latter two entrances are replacements. Aside from the just-mentioned sidelights, all other windows in the building have non-original aluminum or vinyl sash. These include very long bands on the north and east sides.

The interior appears to have been generally remodeled. Floors are linoleum tiles, ceilings are drop ceilings with acoustical panels, and walls are plasterboard.

Front (west) façade of Administration Building

East façade of east wing of Administration Building

East façade of main block of Administration Building

North façade of Administration Building

South façade of Administration Building

Addition on south façade of Administration Building

Building 8: Warehouse

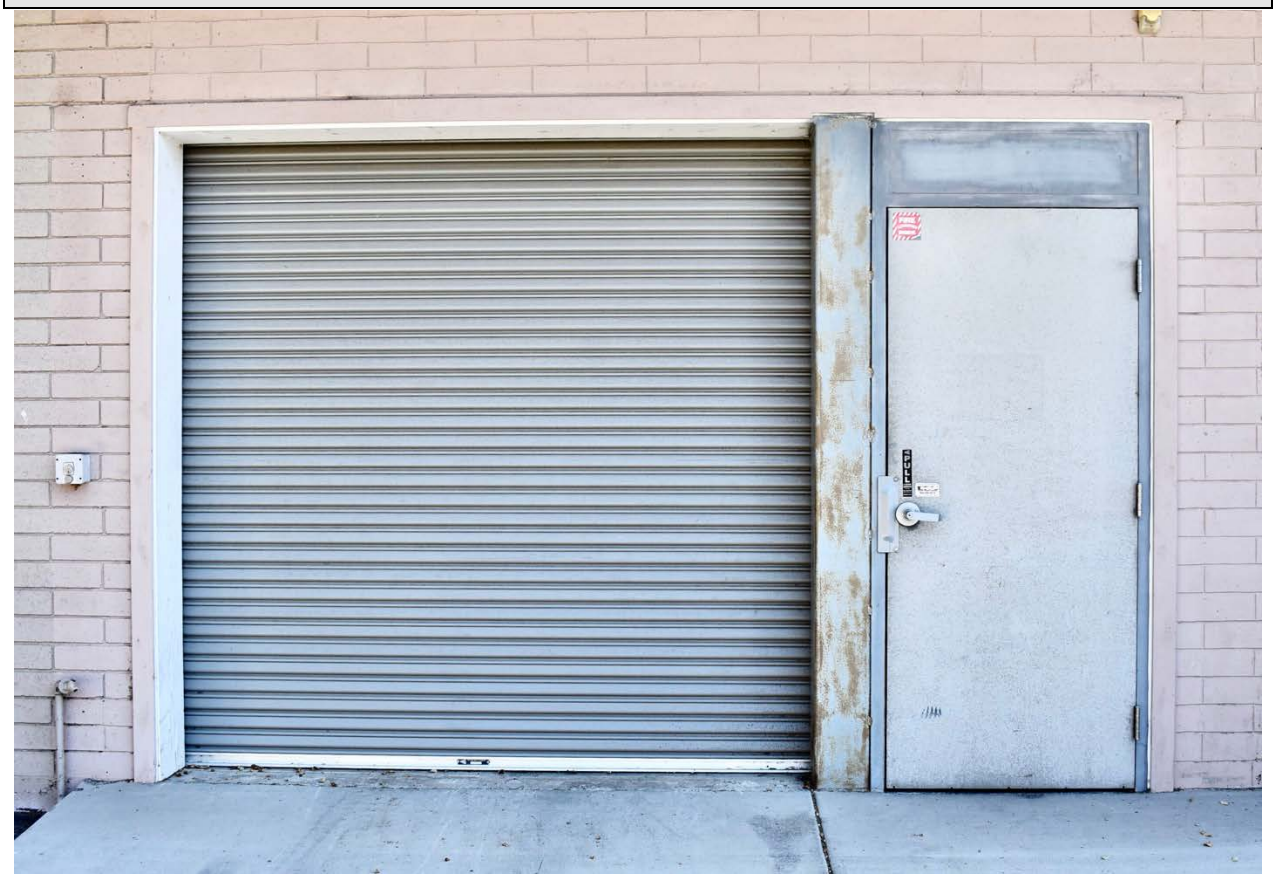
This warehouse building (1954) is located directly behind, or east of, the Registration Building. A small, paved area for parking and for vehicle maneuvering separates the two buildings.

This building measures approximately 125 feet in width by 30 feet in depth. It is made of bricks that are painted white, and has a flat roof with a broad eave in front. The purlins of the eave are visible from below and are fronted by a plain board.

All visible openings are in the front (west) side of the building. Most of the north and east sides are obscured from view, so it is uncertain whether those sides have windows. Three vehicle entrances have steel roll-up doors, and pedestrian entrances have solid steel doors. They include, from left to right:

- a vehicle and pedestrian entrance pair
- another vehicle and pedestrian entrance pair
- a single pedestrian door
- paired pedestrian doors
- a vehicle entrance.

Front (west) and south sides of Building 8



Front vehicle and pedestrian doors, Building 8

South and east sides of Building 8

Building 9 & Metal Prefab

Building 9 and the connected metal prefabricated building both date to after 1980. Building 9 is an inexpensively built wooden shed. It is located toward the rear of the lot, just east of Building 8 and across the courtyard from the Maintenance Shop. Building 9 measures roughly 20 feet in front by 37 feet in depth. It has a front-gabled roof of moderate pitch. There are two kinds of siding: plywood in the front and rear, and vertical wood siding that rests upon a concrete foundation on the south side. (The north side is not visible.). Openings include a roll-up vehicle door and a plain wooden pedestrian door in the front; and a metal or vinyl window in the south side. Two steel mesh pop-outs flank this window. The condition of the building is generally poor.

A small wooden hyphen connects Building 9 with the steel prefab building to the east. It is, very roughly, about ten feet in width by 50 feet in depth, and it has sheet metal siding and two steel doors and one aluminum sash window in the south side.

Front (west) and south sides of Building 9

Metal prefab attached to Building 9

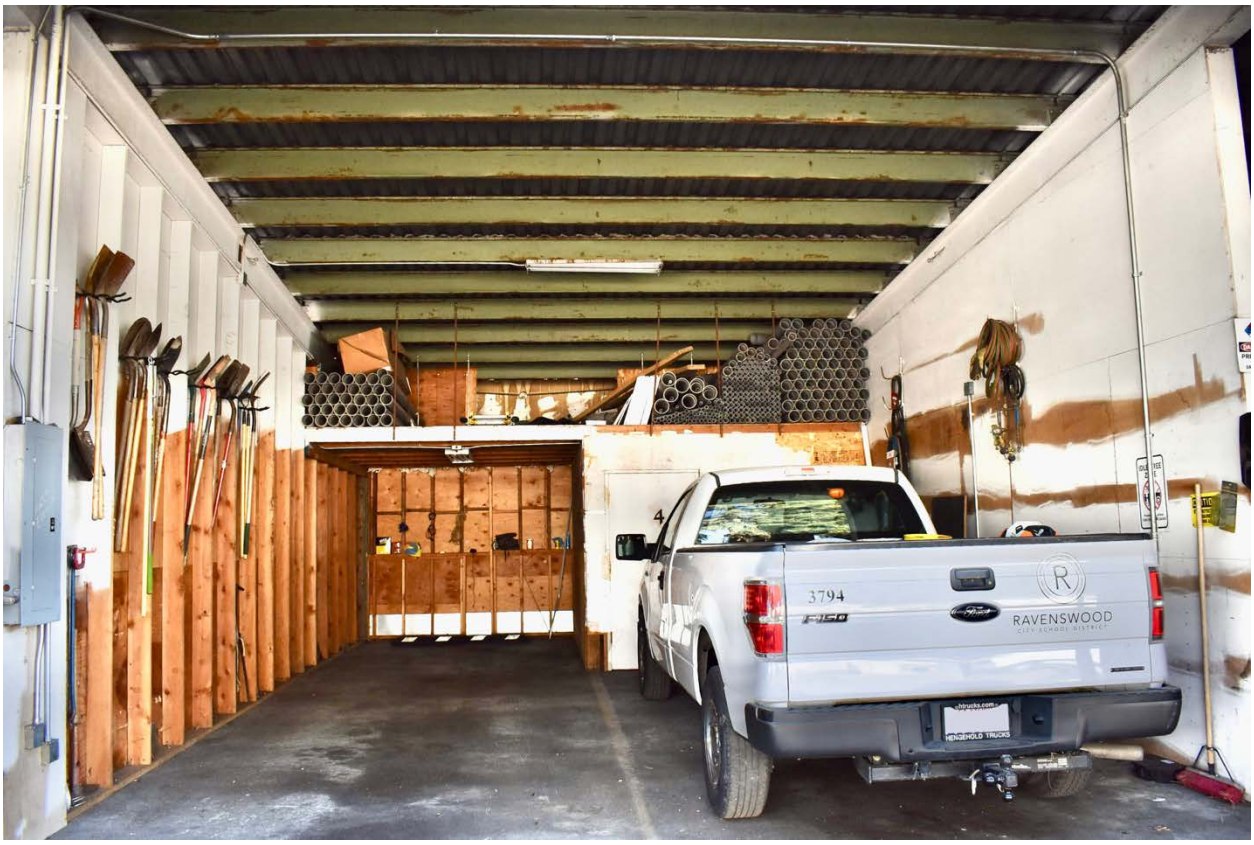
Maintenance Shop

The Maintenance Shop is located at the rear of the lot, about 250 feet east of Euclid Avenue. Aerial photographs indicate it was built between 1963 and 1965, which is consistent with its materials and general appearance.

The building measures about 150 feet in width by 40 feet in depth, and is almost 20 feet in height. It is a steel frame building that is covered on all sides by corrugated sheet metal. Its nearly-flat shed roof is corrugated sheet metal that is supported by thin steel beams. The floor is a concrete slab. All openings are on the long north side. Most prominently, these include six large vehicle entrances with roll-up steel doors. These vary in width from eighteen to 21 feet in width. Steel piers that vary from 1′-3″ to 2′-3″ in width separate these entrances and divide the facade into six bays. There is one exception to this description, namely, that the pier between bays two and three is wide enough to accommodate a steel pedestrian door.

The interior is divided by wooden partitions into six parts that correspond to the exterior bays. Whether these partitions are original is unknown.

North and west sides of Maintenance Shop



Bay interior, Maintenance Shop

Building 6

This relocatable building dates to 1966. It is approximately 30 feet width by 45 feet depth, with a flat roof with extended eaves on the north and south sides. It has a reinforced concrete foundation, pressboard siding with imitation wood grain pressed into the surface, metal sash windows, and a door with wire glass glazings.

North and west façades of Building 6

WIC Center

The WIC Center was built between 1968-1974 and measures about 33 by 60 feet. It has the appearance of a portable prefab building. However, its heavy steel frame construction suggests that it may have been purpose-built on this site. Though the roof is nominally gabled, it is so low-pitched as to be almost flat. The roof extends to form eaves on its north and south sides, with visible steel supports. The foundation is a concrete slab. The siding is sheet metal which is recessed slightly behind visible steel piers. Windows, some of them arranged in bands, and others arranged singly, have flat steel sash. There are two entrances. The main entrance is on the east side (facing Building 6). It features a wheelchair ramp that leads up to a concrete porch with steel railings and balusters, wooden posts that support a flat wooden roof, and a paneled door with glazing. The other entrance is on the south side. Here, two concrete steps lead up to a solid door.

North and west façades of WIC Center

East façade and entrance of WIC Center

South façade of WIC Center

Building 7

Building 7 was built or moved to this location between 1993-2002. Located on Euclid Avenue, it measures 25 feet in width by 60 feet in depth. It has a front-gabled, low-pitched roof without extended eaves, pressboard siding with imitation wood grain pressed into the surface, and metal sash windows set in flat board trim. The front (west) façade has a wood porch with steps, railings, and a door with glazing. There is a wheelchair ramp on the north side.

Front (west) and south façades of Building 7

Building 5

This small, wood building was probably built on-site between 1956–1963. It nestles into the angle formed by two of the wings of Administration Building, on that building's southeast side.

The wood-framed building measures about 25 feet by 18 feet, rests upon a concrete foundation, and has a gabled roof with extended eaves and visible purlins fronted by plain bargeboard. There are three kinds of siding: horizontal V-groove siding on the south and east sides, stucco on the west side, and vertical siding on the north side.

The main entrance is centered on the south side. Here, three concrete steps lead up to a paneled wooden door, with glazing divided by wooden muntins. A plain, solid wooden door with two concrete steps can also be found on the west side. The several windows have aluminum sash set in wooden frames with thin sills. Those in south side, flanking the main entrance, are large, while the others are much smaller. The gabled area on the south side is also glazed.

South and west façades of Building 5

Building 3: Student Services Building, 2110 Euclid Avenue

Although aerial photos place a building in this location by 1965, it looks like a much more recent prefab. It fronts on Euclid Avenue, just south of Building 9 and measures 80 feet in width by 33 feet in depth. The flat roof is fronted by plain fascia boards, and the building has pressboard siding with imitation wood grain pressed into the surface. All windows have vinyl window sash. There is a narrow entrance in the long west side, with a concrete step and porch landing, steel railing, and steel door.

Front (west) and north façades of Building 3

Building 1 (Special Education) & Building 2 (Transportation)

These two buildings appear to be prefabricated buildings that were moved to this site between 1993-2002. They both front on Euclid Avenue near the intersection with Donohoe Street.

Building 2 measures 25 feet in width by 50 feet in depth. It has a nearly flat roof with slight gable pitch, fronted by wooden fascia boards and vertical wooden siding over basement-level pressboard siding with imitation wooden grain. The windows are aluminum sash, except for one with vinyl sash; set in flat board trim. A wood wheelchair ramp and wooden porch span the front of this building.

Building 1 measures 48 feet in width by 60 feet in depth. It has a flat roof and sheet metal siding on the main walls, over a basement level of pressboard siding with imitation wooden grain. The windows are aluminum sash. There are entrances with porches on the north side, with steel treads and landing, wooden risers and railings, and sheet metal awnings.

Front (west) and north façades of Building 2

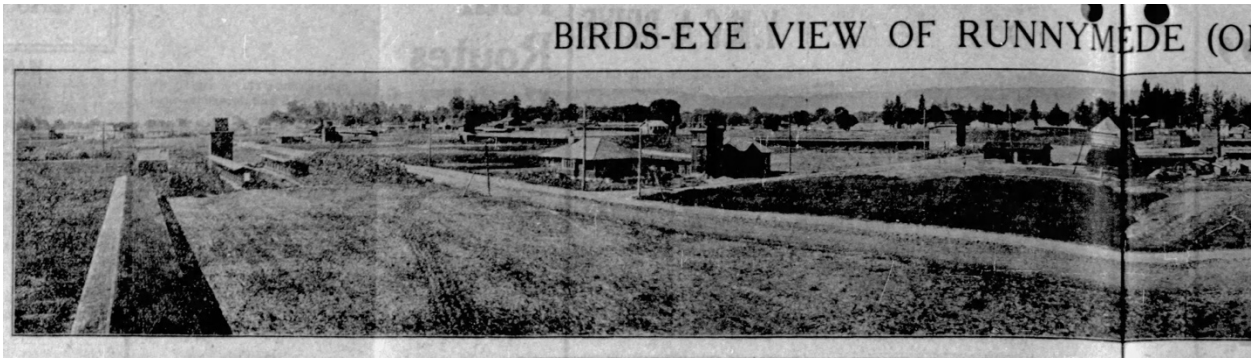
Front (north) and west façades of Building 1

***B10. Significance (Continued):**

Ravenswood and Runnymede

Isaiah Woods, a San Francisco banker and speculator, led a group of investors in acquiring 3,674 acres of land in what is now East Palo Alto. Woods named the area Ravenswood and laid out a townsite c. 1850 (Michelson and Solomonson 1994:24-25). He established a wharf at what is now Cooley Landing. This port served as a hub for goods and passengers traveling between San Francisco and the interior via stagecoach. Ravenswood was one of the first platted communities in what became San Mateo County (Rigenhagen 1993:4). However, Woods' plans for the settlement failed to materialize by the mid-1850s; Redwood City became the main point of commerce and shipping for the area instead, and Woods left for Australia, fleeing his creditors (Hynding 1982:134).

During the latter half of the 19th century, most of Ravenswood was occupied by farms or country retreats for San Franciscans. The town remained small and quiet, with the exception of the establishment of the Hunter and Shackelford brick factory, Ravenswood's main enterprise in the 1870s and 1880s. With seven kilns, it produced up to 50,000 bricks a day and employed a predominantly Chinese workforce (Michelson and Solomonson 1994:28-30; Rigenhagen 1993:7).



Runnymede Poultry Colony in 1917 (Peninsula Times Tribune 1917)

In 1916, the Runnymede Poultry Colony was established on the former Ravenswood lands by Charles Weeks. Weeks' colony sought to promote a self-sufficient, utopian agricultural lifestyle based on his system of intensive poultry farming that allowed families to support themselves on a single acre of land (Michelson and Solomonson 1994:24, 36). The colony attracted a wide variety of people, especially single women, and by 1917 had 40 families, a clubhouse, and a cooperative store (Peninsula Times Tribune 1917). It grew to become one of the largest poultry producers in the United States during the 1920s (Hine 1983:144-149). By 1922, the Runnymede community had expanded significantly; there were approximately 400 families engaged in raising chickens, rabbits, and goats, as well as cultivating fruits and vegetables across more than 640 acres. The colony's growth also led to an increase in school attendance, which rose from just a few students to over 300 (Rigenhagen 1993:8). Unfortunately, rising property values, water quality issues, and the colony's labor demands led to its decline by the late 1920s (Michelson and Solomonson 1994:36). After the dissolution of the poultry colony, the area remained agricultural, featuring numerous flower farms operated by Italian Americans and Japanese Americans (Michelson and Solomonson 1994:54-55).

Post-War Development

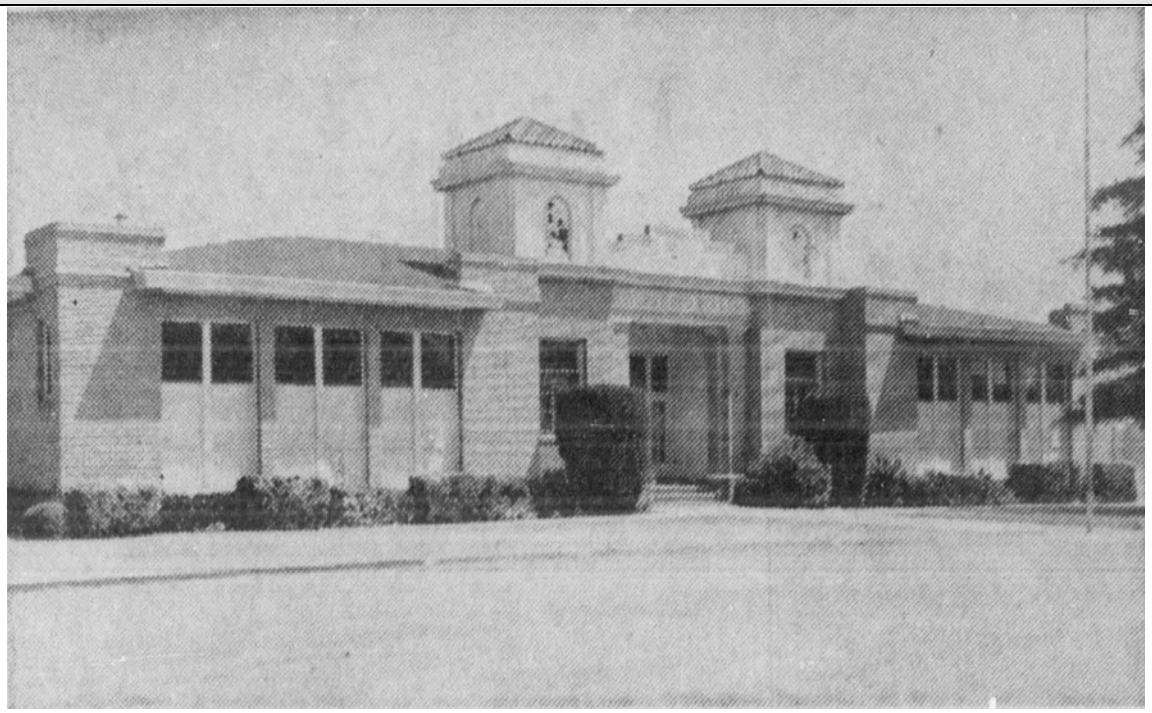
World War II marked a turning point for East Palo Alto area. Industrial growth and suburbanization accelerated in the 1940s and 50s, and the population grew to 8,000 during that that time. The construction of Highway 101 in 1932 significantly improved access to the area, facilitating the movement of goods and people (Rigenhagen 1993:5; Michelson and Solomonson 1994:59; Hynding 1982:136). Following the war, new housing developments drew a diverse population, including many African American families who relocated during the Great Migration. East Palo Alto became one of the few places on the Peninsula where Black families had the opportunity to purchase property (Simister 2016:6–8). Its population grew to 18,000 by the late 1960s (Rigenhagen 1993:17).

By the mid-20th century, socioeconomic challenges began shaping the community's identity. While nearby cities grew affluent, East Palo Alto faced systemic neglect, limited infrastructure, and economic disparities. After contentious debate, the city was incorporated in 1983 (Michelson and Solomonson 1994:73-74; City General Plan 2018:3-7).

RAVENSWOOD SCHOOL DISTRICT & HISTORY OF THE PROJECT AREA

As Charles Weeks' Runnymede community grew exponentially in its first few years, the colonists needed a larger community center, and their children needed a school. Weeks donated three acres at Euclid and Donahoe to the Ravenswood School District, and a school designed by architect Norman R. Coulter was built on the project area in 1918 (Michelson & Solomonson 1994:43; Peninsula Times Tribune 1918). In 1919, it was described as a "modern, up-to-the-minute" school building, featuring brick construction, three classrooms, and an assembly hall (Peninsula Times Tribune 1919). Enrollment went from 18 students in June 1918 to 80 students in January 1919, and the school quickly expanded becoming the largest school in the county (Redwood City Standard 1919a,b). Two Mission style classrooms were added, as well as an auditorium that seated 700 for Runnymede community meetings and a motion picture room, all designed by Coulter (Michelson & Solomonson 1994:43). These original buildings were located on the southern part of the project area (Fairchild Aerial Surveys 1930; USGS 1943).

By 1940 there was a need for more space due to overcrowding. The district brought on architect Dole Thompson to design a new building that included new classrooms, a cafeteria, and a gymnasium (the current Administration Building). This new plan strategically positioned the building away from the Bayshore Highway to reduce noise. The district completed these additions by early 1941 (The Peninsula Times Tribune 1940, 1941).



The original Ravenswood School on the project area, built 1918 (Hatt 1964)

By 1953, the school district closed the original school buildings on the southern part of the project area, deeming them unsafe for students and school use (Hatt 1954). A new administrative building (current Registration Building) and storage facility (Building 8) designed by Donald Francis Haines were constructed in 1954, and the original school buildings were demolished around the same time. The Administration building was converted to a special services school offering special education and supplementary classes for advanced students in 1955 (Peninsula Times Tribune 1955). A children's daycare center was opened in 1964 in a temporary bungalow on the project area (Green 1970). The Administration Building was remodeled in 1969 (design by Fred L. Osmon) for the children's center to occupy. In 1978, space was leased to the East Palo Alto Senior Center (The Peninsula Times Tribune 1978).

The project area was used for bus staging as early as 1963 (Engeo 2023:7). Additional buildings were constructed as follows:

- Building 5 between 1958-1963 (Engeo 2023)
- Maintenance Shop and Building 3 between 1963-1965 (Engeo 2023; Cartwright Aerial Surveys 1965)
- Building 6 in 1966 per plans by Mobile Rentals Corporations
- WIC Center between 1968-1974 (Cartwright Aerial Surveys 1968; Engeo 2023)
- Buildings 1, 2, and 7 in the 1990s (Engeo 2023)
- Building 9 and metal prefab in the 1990s or early 2000s

ARCHITECTS

Of the architects who designed the extant building on the project site – Dole Thompson, Fred L. Osmon, and Donald Francis Haines – only Haines appears to be an architect of note. Research did not reveal any information about the careers or other works of Thompson or Osmon.

Haines (1915-2014) had an office in San José in the 1950s, but later was a partner in the firm Haines Tatarian Ipsen and Associates in San Francisco (PCAD n.d.). He worked on a number of schools as well as commercial and civic buildings. He is primarily recognized for designing San José City Hall (1958), featured in Architect & Engineer in 1958. It was described in the San José Modernism Context as

> a curvilinear, four-story, reinforced concrete design sheathed in continuous bands of glass framed by brick veneer on both sides. The result is an impressive Modernist building that reinterprets the European iterations of the International Style (PAST Consultants 2009:41).

None of Haines' other work received similar attention. He retired in 1970 (Legacy.com n.d.).

SIGNIFICANCE EVALUATION

The 13 buildings at 2120-2160 Euclid Avenue (APN 063-292-380) do not appear to be individually eligible for the California Register of Historical Resources (CRHR) because they are not individually significant under any of the CRHR Criteria. The buildings also do not appear eligible as a complex, nor are they potential contributors to a historic district.

In this evaluation, the buildings on the project area are considered as a complex and individually. Five buildings – Buildings 1, 2, 7, 9, and attached metal prefab – are all less than 45 years old and thus are not evaluated individually, only as they relate to the complex as a whole.

Integrity

Registration Building: No exterior alterations, other than the protective grilles over some windows, appear to have been made to this building. The integrity of the interior is unknown. In sum, the exterior of this building retains integrity of location, design, materials, workmanship, feeling, and association. Because many buildings in this complex were added in recent decades, or have been altered, integrity of setting is mostly lost.

Administration Building: This building has been greatly remodeled. Changes include the pressboard siding on the front, the small addition on the front, the prefab addition on the south, most doors, and all aluminum and vinyl windows. Whether the stucco siding is original or not is uncertain. Other than the sidelights and transoms surrounding the two entrances in the east wing, it is difficult to point with confidence to any original elements in this building. Thus, integrity of design, materials, workmanship, feeling, and association have been lost. Due to the many recent additions to the complex, integrity of setting is also lost. Only integrity of location is retained.

Building 8: Whether these doors are originals or are replacements is unknown. Because they occupy a large percentage of the main facade, the overall integrity of this building is difficult to judge.

Maintenance Shop: The exterior of this building retains integrity of location, design, materials, workmanship, feeling, and association. Because many buildings in this complex were added in recent decades, or have been altered, integrity of setting is mostly lost.

WIC Center: No alterations to this building are evident. Thus, it retains integrity of design, materials, workmanship, feeling, and association. If it was built on this site, instead of having been moved here, it also retains integrity of location, but this is uncertain. Because many buildings in this complex were added in recent decades, or have been altered, integrity of setting is mostly lost.

Building 5: This variety of sidings indicates either alterations, inexpensive initial construction, or both. Because the construction date is unknown, the integrity of this small building is difficult to judge.

Buildings 3, 6, and 7: The integrity of these prefabricated buildings is difficult to judge. In general, however, they are probably little changed since the time they were moved to and adapted for this site.

CRHR Criteria

The Complex

Criterion 1. The property is associated with the early development of education in East Palo and the community of the Runnymede Poultry Colony, both important themes in the history of East Palo Alto. However, the early buildings connected to these themes have been demolished. Only the current Administration Building (1940) was ever used as a school; the rest of the buildings in the complex are related to district administration and programs and storage. Therefore, the building complex as a whole appears to be not eligible under CRHR Criterion 1.

Criterion 2. No specific administrators, educators, students, or community members were identified as especially connected to the building complex. Thus, research did not reveal any individuals associated with the building complex who have achieved significance in the history of East Palo Alto, California, or the nation. The complex, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. The buildings in this complex date from between 1940 and the early 2000s. Some of them were built in place, and some were prefabs that were moved here. This process of construction was ad hoc over a period of several decades and was not performed according to a master plan. With one exception — the Registration Office — all of the buildings are strictly utilitarian in appearance and exhibit little or no architectural consideration. Thus, this complex of buildings as a whole lacks architectural distinction, and does not appear to be eligible for the CRHR under Criterion 3.

Criterion 4. This criterion is usually used to evaluate archaeological sites. In some cases, a built environment resource may contain useful information about construction techniques or the use of materials by builders. However, all of the buildings in the complex was constructed using materials and techniques that were typical of its period. Therefore, it does not appear to be eligible under CRHR Criterion 4. The buildings discussed below are also not eligible individually under Criterion 4. Please note that this evaluation does not include the archaeological potential of the complex or individual buildings.

Registration Building

Criterion 1. The Registration Building is associated with the theme of education in East Palo Alto. Its primary use has been as an administration building only. It is not an important building in this theme, nor is it the site of any significant events in the history of education in East Palo Alto. For these reasons, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. No specific administrators or educators were identified as especially connected to the Registration Building, and research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. The Registration Building was clearly built according to the prevailing ideas of Modern design in the 1950s, and exhibits some of the elements of the International style. These elements include the generally horizontal emphasis of the composition, a flat roof with broad eaves, two wide bands of windows, and a lack of ornament or moldings. In one way, this building possesses a quality that most others of this style lack, namely, the color and texture that are imparted by the use of Roman bricks, which extend across about 60 percent of the front (and much of that area is devoted to a large window to the left of the entrance). The rest of the front is occupied by the glassy entrance and by the wood and stucco area to the south. The use of brick in the facade feels incomplete, and the potential for a design that possesses the warm quality imparted by Roman bricks was not fully realized.

In addition to the above argument, the architect of the building, Donald Francis Haines, is not generally recognized as an important practitioner of the period outside of his design for San José City Hall (1958). For these reasons, this building does not appear to be eligible for the CRHR under this criterion.

Administration Building

Criterion 1. The Administration Building is associated with the early development of education in East Palo. However, it is a late example of a school building from this period, was not used as a school after 1955, and lacks integrity. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. No specific administrators, educators, students, or community members were identified as especially connected to the Administration Building, and research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. Dating to 1940, this is the oldest building in this complex. It has been extensively altered and added to, however. Other than two sets of sidelights and transoms, almost no trace of its original appearance remains. The remodeled appearance is undistinguished and does not express an architectural style. Due to the original building's lack of integrity, and the current design's lack of significance, this building does not appear to be eligible for the CRHR under this criterion.

Building 8

Criterion 1. This building is a storage building that is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California

or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. Designed by Donald Francis Haines along with the Registration Building, this building is an unexceptional, utilitarian storage building. Haines is not generally recognized as an important practitioner of the period outside of his design for San José City Hall (1958). For these reasons, this building does not appear to be eligible for the CRHR under this criterion.

Maintenance Shop

Criterion 1. This building, apparently used for maintenance on school district vehicles, is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. This is a typical, utilitarian industrial building of its time. It is simply an expanse of sheet metal wrapped around a steel frame, with openings devoted to roll-up steel doors. There is a certain rhythm imparted by the march of the openings across the front, but these openings, and the piers between them, are of varying widths, which detracts from the rhythm. For these reasons, this building does not appear to be eligible for the CRHR under this criterion.

Building 6

Criterion 1. This building's use is unknown. It is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. Building 6 is a prefabricated building. It is simple and inexpensive in its construction and lacks architectural distinction. It does not appear to be eligible for the CRHR under this criterion.

WIC Center

Criterion 1. The WIC Center is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or

the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. The WIC Center has the appearance of a prefab building, though it is probably too large and heavy to have been moved here. It thus seems more likely that it was built in place sometime during 1968-1974. Its best feature is the fact that the vertical steel structural members are visible on the exterior of the building, as are the steel roof supports on the north and south sides. This fact aside, the building lacks color, texture, details, or moldings of any kind. The sheet metal exterior is plain, and the steel windows of different sizes are irregularly arranged across the two long sides. This building does not appear to be eligible for the California Register under this criterion.

Building 5

Criterion 1. This building's specific use is unknown, though it may have been used for storage. It is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. This is a very small building, with different surface materials on its different sides and large aluminum windows crowding the main entrance. The building lacks a specific style, and does not appear to be eligible for the CRHR under this criterion.

Building 3

Criterion 1. This building is currently used as a student services building, and has most likely been an administrative building since it was moved to the project area in c. 1964. It is not associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage of California or the United States. Therefore, it appears to be not eligible under CRHR Criterion 1.

Criterion 2. Research did not reveal any individuals associated with the building who have achieved significance in the history of East Palo Alto, California, or the nation. The building, therefore, appears to be not eligible under CRHR Criterion 2.

Criterion 3. Building 3 is a prefabricated building. It is simple and inexpensive in its construction and lacks architectural distinction. It does not appear to be eligible for the CRHR under this criterion.

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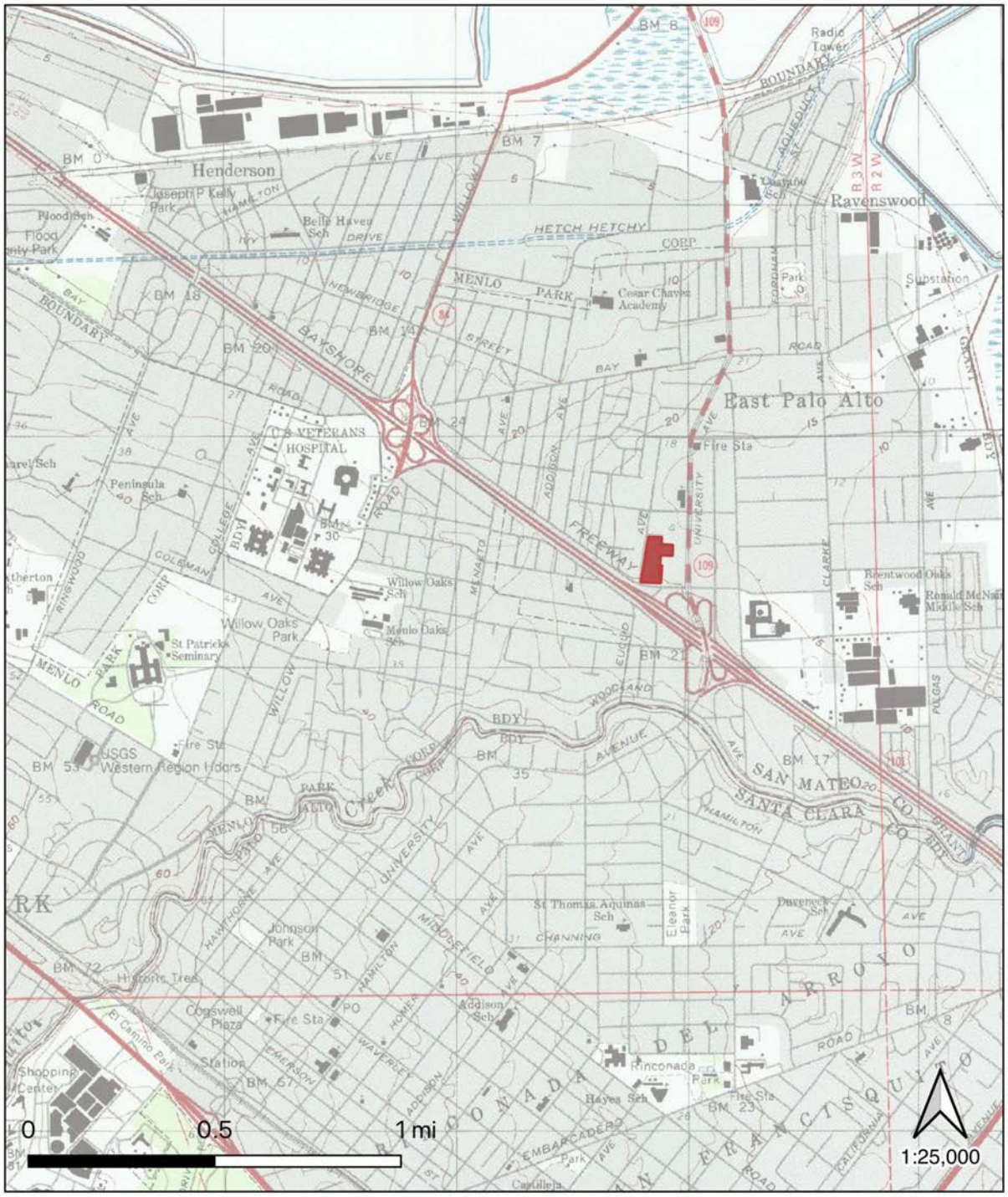

Project Vicinity Map

2120-2160 Euclid Avenue, East Palo Alto

Legend
Project Area

State of California □ Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

SKETCH MAP

Primary #
HRI#
Trinomial

Page 37 **of** 37 ***Resource Name or #** Ravenswood School District Administrative Complex
***Drawn by:** Archaeological/Historical Consultants ***Date of map:** November 2024

Project Area Limits

2120-2160 Euclid Avenue, East Palo Alto

Legend
Project Area

2120-2160 EUCLID AVE

EAST PALO ALTO, CA

THE PACIFIC COMPANIES

AO

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VICINITY MAP

PROJECT TEAM

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THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

SHEET INDEX

AO

G0.1

JOB NO. 2025-1061
DATE 06-10-2026

2120-2160 EUCLID AVE

PROJECT INFORMATION			
PROJECT DESCRIPTION		A 430-UNIT AFFORDABLE MULTIFAMILY RESIDENTIAL PROJECT, CONSITING OF TWO-BUILDINGS ON 2120-2160 W EUCLID AVE. BUILDING A IS 6 STORIES OF MODULAR RESIDENTIAL UNITS OVER ONE LEVEL OF PARKING PODIUM INCLUDING 2,000 SF OF RETAIL BUILDING B IS 6 STORIES OF MODULAR RESIDENTIAL OVER 3 LEVELS OF PARTIAL PARKING PODIUM.	
PROJECT LOCATION		2120-2160 EUCLID AVENUE, EAST PALO ALTO, CA 94303	
A.P.N.		063-292-280	
ZONING		MIXED-USE HIGH (MUH)	
PRECISE PLAN		GENERAL PLAN - 2035 E. PALO ALTO - UNIVERSITY CORRIDOR	
LAND USE	CURRENT	SCHOOL/EDUCATIONAL	
	PROPOSED	AFFORDABLE MULTIFAMILY RESIDENTIAL	
LOT AREA	PARCEL 1	79,902 SQ. FT.	1.83 AC
	PARCEL 2	98,077 SQ. FT.	2.25 AC
	GROSS	177,979 SQ. FT.	4.09 AC
LOT COVERAGE	PARCEL 1	59,420 SQ. FT.	74.4%
	PARCEL 2	77,169 SQ. FT.	78.7%
	TOTAL	136,589 SQ. FT.	76.7%
BUILDING AREA	BLDG A	274,647 SQ. FT.	
	BLDG B	373,930 SQ. FT.	
	TOTAL	648,577 SQ. FT.	
F.A.R.	PARCEL 1	3.44	
	PARCEL 2	3.81	
	TOTAL	3.64	
BUILDING HEIGHT	BLDG A	TOP OF ROOF 68'-4"; TOP OF STAIR 80'-6"	
	BLDG B	TOP OF ROOF 68'-4"; TOP OF STAIR 80'-6"	
NUMBER OF STORIES	BLDG A	6 STORIES	
	BLDG B	6 STORIES	
CONSTRUCTION TYPE	BLDG A	5-STORY TYPE III-A, 1 STORY TYPE I-A PODIUM (6 STORIES TOTAL)	
	BLDG B	5-STORY TYPE III-A, 3-STORY TYPE I-A STEPPED PODIUM (6 STORIES TOTAL)	
AUTOMATIC SPRINKLERED		NFPA 13	
UNITS	PARCEL 1	220 DU	
	PARCEL 2	210 DU	
	TOTAL	430 DU (INCLUDING MANAGER'S UNITS)	
DENSITY	PARCEL 1	119.94 DU/AC	
	PARCEL 2	93.27 DU/AC	
	TOTAL	105.2 DU/AC	

GROSS BUILDING AREA

BUILDING A

FLOOR LEVEL	PARKING	RETAIL	LEASING & AMENITIES	RESIDENTIAL	TOTAL GROSS FLOOR AREA (IN SQ. FT.)
LEVEL 1	55,818	2,074	1,528		59,420
LEVEL 2			3,852	40,375	44,227
LEVEL 3				44,224	44,224
LEVEL 4				44,224	44,224
LEVEL 5				44,224	44,224
LEVEL 6				38,328	38,328
TOTAL	**55,818**	**2,074**	**5,380**	**211,375**	**274,647**

BUILDING B

FLOOR LEVEL	PARKING	RETAIL	LEASING & AMENITIES	RESIDENTIAL	TOTAL GROSS FLOOR AREA (IN SQ. FT.)
LEVEL 1	74,837		2,332		77,169
LEVEL 2	40,833			30,458	71,291
LEVEL 3	40,833			30,458	71,291
LEVEL 4			2,959	52,261	55,220
LEVEL 5				55,220	55,220
LEVEL 6				43,739	43,739
TOTAL	**156,503**	**0**	**5,291**	**212,136**	**373,930**
GRAND TOTAL	**212,321**	**2,074**	**10,671**	**423,511**	**648,577**

DEVELOPMENT STANDARDS

2120-2160 EUCLID AVENUE

CATEGORY	SECTION	REQUIRED		PROVIDED		COMPLIANCE
BUILDING HEIGHT	GENERAL PLAN 2035 E. PALO ALTO (CH. 04. TB 4-2. PG. 13) MC - 18.12.030 TB 2-4	8 STORIES OR 100 FT		TOP OF ROOF	68'-4"	YES
				TOP OF STAIR	80'-6"	
BUILDING DENSITY		MIN. DENSITY	43 DU/AC	PARCEL 1	119.9 DU/AC	YES, PER STATE DENSITY BONUS LAW
		MAX. DENSITY	86 DU/AC	PARCEL 2	93.3 DU/AC	
				TOTAL	105.2 DU/AC	
		MAX. F.A.R.	2.5	PARCEL 1	3.44	WAIVER
				PARCEL 2	3.81	
				TOTAL	3.64	
SETBACKS	MC - 18.12.030 TB 2-4	FRONT - EUCLID AVE.	MAX. 10 FT	MIN. 1'-3"	MAX. 21'-9"	WAIVER
		FRONT - DONOHOE ST.	MAX. 10 FT	MIN. 2'-0"	MAX. 9'-4"	YES
		SIDE - EUCLID PLACE	MIN. 5 FT	11'-2"		YES
		REAR - EAST PL	MIN. 5 FT	10'-1"		YES
RETAIL	MC - 18.12.020(D)	35% OF GROUND AREA TO BE RETAIL		2,000 SF		CONCESSION
		47,806 SF				
TRANSITIONS - STEPBACK	GENERAL PLAN 2035 E. PALO ALTO (CH. 04. 10.9. PG. 28)	BLDGS ADJACENT TO LOWER SCALE RESIDENTIAL STEP DOWN TOWARD THE RESIDENTIAL USES.		STEPBACK ON LEVEL 6 ON BOTH BUILDINGS		CONCESSION
OPEN SPACE	MC - 18.10.030 TB 2-2	PARCEL 1 (220 UNITS)		PARCEL 1 (BUILDING A)		WAIVER
		PRIVATE OS 50 SF	11,000 SF	PRIVATE OS	0 SF	
		PUBLIC OS 50 SF	11,000 SF	PUBLIC OS	13,161 SF	
		TOTAL OS	**22,000 SF**	**TOTAL OS**	**13,161 SF**	
		PARCEL 2 (210 UNITS)		PARCEL 2 (BUILDING B)		
		PRIVATE OS 50 SF	10,500 SF	PRIVATE OS	0 SF	
		PUBLIC OS 50 SF	10,500 SF	PUBLIC OS	18,082 SF	
		TOTAL OS	**21,000 SF**	**TOTAL OS**	**18,082 SF**	
CUOS MIN DIMENSIONS		6 FT. MIN. DIMENSION		7 FT. MIN. DIMENSION		YES
REQUIRED OFF-STREET PARKING	GOVERNMENT CODE §65915(p)(1)	PER STATE DENSITY BONUS LAW		BUILDING A - RESIDENTIAL	105	CONCESSION
		UNIT / RATIO	REQ.	BUILDING A - RETAIL	8	
		0-1 BEDROOM 1.0	287	BUILDING B - RESIDENTIAL	325	
		2-3 BEDROOM 1.5	215	BUILDING B - RETAIL	0	
		TOTAL SPACES REQUIRED	**502**	RESIDENTIAL RATIO: 1 SPACE/DU		
		REQUIRED RATIO: 1.17 SPACE/DU		**TOTAL PARKING**	**438**	
				2 USPS PROVIDED. NOT A PART OF COUNT		
PARKING DESIGN STANDARDS	MC - 18.60.090. TB 3-2	DRIVEWAY WIDTH	24 FT	24 FT		YES
		PARALLEL	9 FT X 18 FT	9 FT X 18 FT		YES
BICYCLE PARKING	VTA BICYCLE TECHNICAL GUIDELINES 10.6. TB 10-3	**LONG-TERM: 1 SPACE/DU**	**430**	**TOTAL LONG-TERM**	**322**	WAIVER
		BUILDING A	220	BUILDING A	112	
		BUILDING B	210	BUILDING B	210	
		SHORT-TERM: 1 SPACE/20DU	**22**	**TOTAL SHORT-TERM**	**22**	YES

UNIT SUMMARY - OVERALL

UNIT CATEGORY	UNIT TYPE	UNIT GROSS AREA (SQ. FT.)	NUMBER OF UNITS PER TYPE	TOTAL GROSS AREA (SQ. FT.)	TOTAL UNITS	TOTAL UNIT %
STUDIOS	S1	429	12	5,148	**12**	2.8%
1 BEDROOM	A2	601	220	132,220	**275**	64.0%
	A3	635	55	34,925		
2 BEDROOM	B1	825	2	1,650	**119**	27.2%
	B1-MU	825	2	1,650		
	B3	861	113	97,293		
	B3-MU	861	2	1,722		
3 BEDROOM	C2	1,131	24	27,144	**24**	5.6%
TOTAL		**702 AVG.**	**430**	**301,752**	**430**	**100%**

BUILDING SUMMARY - BUILDING A

UNIT TYPE	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	%	TOTAL
A2	0	19	24	24	24	21	50.9%	112
A3	0	6	6	6	6	6	13.6%	30
1 BEDROOM	0	25	30	30	30	27	64.5%	142
B3	0	12	17	17	17	13	34.5%	76
B3 - MU	0	2	0	0	0	0	0.9%	2
2 BEDROOM	0	14	17	17	17	13	35.5%	78
SUBTOTAL	**0**	**39**	**47**	**47**	**47**	**40**	**100%**	**220**
TOTAL	**220**							

* B3-MU UNITS ARE DESIGNATED AS MANAGER'S UNITS.

UNIT SUMMARY - BUILDING A

UNIT TYPE	UNIT GROSS AREA (SQ. FT.)	NUMBER OF UNITS	TOTAL GROSS AREA (SQ. FT.)	TOTAL UNIT %
A2	601	112	67,312	64.5%
A3	635	30	19,050	
B3	861	76	65,436	35.5%
B3 - MU	861	2	1,722	
TOTAL	**698 AVERAGE**	**220**	**153,520**	**100%**

BUILDING SUMMARY - BUILDING B

UNIT TYPE	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	%	TOTAL
S1	0	3	3	3	3	0	5.7%	12
STUDIOS	0	3	3	3	3	0	5.7%	12
A2	0	17	19	26	26	20	51.4%	108
A3	0	2	2	7	7	7	11.9%	25
1 BEDROOM	0	19	21	33	33	27	63.3%	133
B1	0	0	1	0	1	0	1.0%	2
B1-MU	0	1	0	1	0	0	1.0%	2
B3	0	7	7	9	8	6	17.6%	37
2 BEDROOM	0	8	8	10	9	6	19.5%	41
C2	0	1	1	5	9	8	11.4%	24
3 BEDROOM	0	1	1	5	9	8	11.4%	24
SUBTOTAL	**0**	**31**	**33**	**51**	**54**	**41**	**100%**	**210**
TOTAL	**210**							

* B1-MU UNITS ARE DESIGNATED AS MANAGER'S UNITS.

UNIT SUMMARY - BUILDING B

UNIT TYPE	UNIT GROSS AREA (SQ. FT.)	NUMBER OF UNITS	TOTAL GROSS AREA (SQ. FT.)	TOTAL UNIT %
S1	429	12	5,148	5.7%
A2	601	108	64,908	63.3%
A3	635	25	15,875	
B1	825	2	1,650	19.5%
B1-MU	825	2	1,650	
B3	861	37	31,857	
C2	1,131	24	27,144	11.4%
TOTAL	**706 AVERAGE**	**210**	**148,232**	**100%**

OPEN SPACE SUMMARY

OPEN SPACE REQUIRED - BUILDING A			
TYPE	MIN. AREA REQUIRED	TOTAL UNITS	TOTAL AREA REQUIRED
PRIVATE OPEN SPACE	50 SF/DU	220	11,000 SF
COMMON USABLE OPEN SPACE	50 SF/DU		11,000 SF
OPEN SPACE REQUIRED			**22,000 SF**

OPEN SPACE PROVIDED - BUILDING A	
COURTYARD A	5,525
COURTYARD B	3,642
COURTYARD C	3,994
TOTAL BUILDING A OPEN SPACE PROVIDED	**13,161**

OPEN SPACE REQUIRED - BUILDING B			
TYPE	MIN. AREA REQUIRED	TOTAL UNITS	TOTAL AREA REQUIRED
PRIVATE OPEN SPACE	50 SF/DU	210	10,500 SF
COMMON USABLE OPEN SPACE	50 SF/DU		10,500 SF
OPEN SPACE REQUIRED			**21,000 SF**

OPEN SPACE PROVIDED - BUILDING B	
OPEN SPACE TYPE	TOTAL AREA PROVIDED
COURTYARD A	2,319
COURTYARD B	2,354
COURTYARD C	3,635
COURTYARD D	2,913
COURTYARD E	6,861
TOTAL BUILDING B OPEN SPACE PROVIDED	**18,082**
TOTAL OPEN SPACE PROVIDED (BUILDING A + BUILDING B)	**31,243**

LONG-TERM BICYCLE PARKING SUMMARY

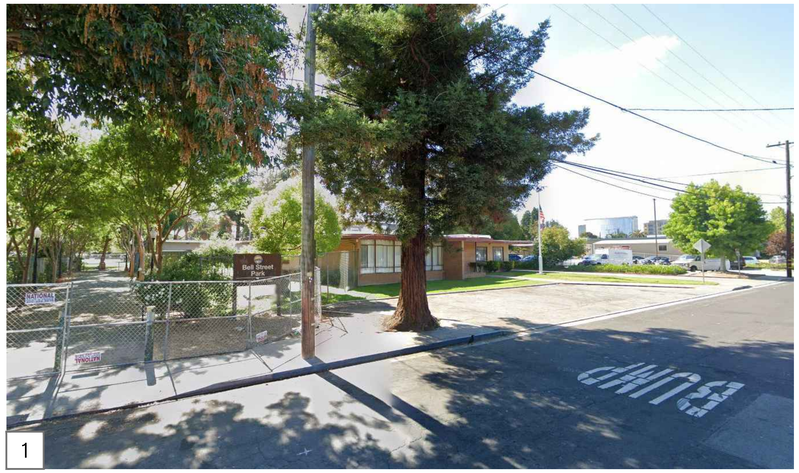
BUILDING A - STALLS REQUIRED			
PARKING TYPE	RATIO	UNITS	SPACES REQUIRED
LONG-TERM (VTA BICYCLE TECHNICAL GUIDELINES 10.6. TB 10-3)	1 SPACE PER 1 UNIT	220	220
BUILDING A - STALLS PROVIDED			
LONG-TERM		**0.51 RATIO**	112
BUILDING B - STALLS REQUIRED			
PARKING TYPE	RATIO	UNITS	SPACES REQUIRED
LONG-TERM (VTA BICYCLE TECHNICAL GUIDELINES 10.6. TB 10-3)	1 SPACE PER 1 UNIT	210	210
BUILDING B - STALLS PROVIDED			
LONG-TERM		**1.00 RATIO**	210
TOTAL LONG-TERM BICYCLE PARKING PROVIDED (BUILDING A + BUILDING B)			**322**

SHORT-TERM BICYCLE PARKING SUMMARY

BUILDING A - PARKING STALLS REQUIRED			
PARKING TYPE	RATIO	UNITS	SPACES REQUIRED
SHORT-TERM (VTA BICYCLE TECHNICAL GUIDELINES 10.6. TB 10-3)	1 SPACE PER 20 UNITS	430	22
PARKING STALLS PROVIDED			
SHORT-TERM			22
TOTAL SHORT-TERM BICYCLE PARKING PROVIDED			**22**

VEHICLE PARKING SUMMARY

PARKING STALLS PROPOSED - BUILDING A		
RESIDENTIAL STALLS	**0.48 RATIO**	105
RETAIL STALLS		8
USPS STALL		1
TOTAL PARKING STALLS PROVIDED		**114**
PARKING STALLS PROPOSED - BUILDING B		
RESIDENTIAL STALLS	**1.55 RATIO**	325
RETAIL STALLS		0
USPS STALL		1
TOTAL PARKING STALLS PROVIDED		**326**
TOTAL PARKING STALLS PROVIDED (BUILDING A + BUILDING B)		**438**



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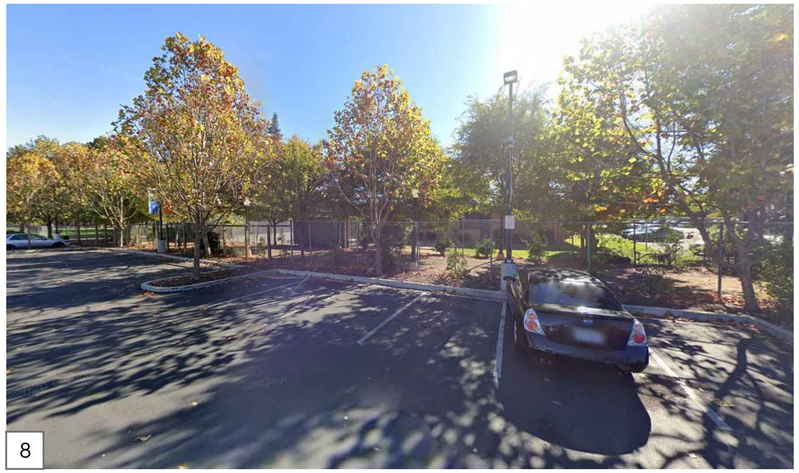
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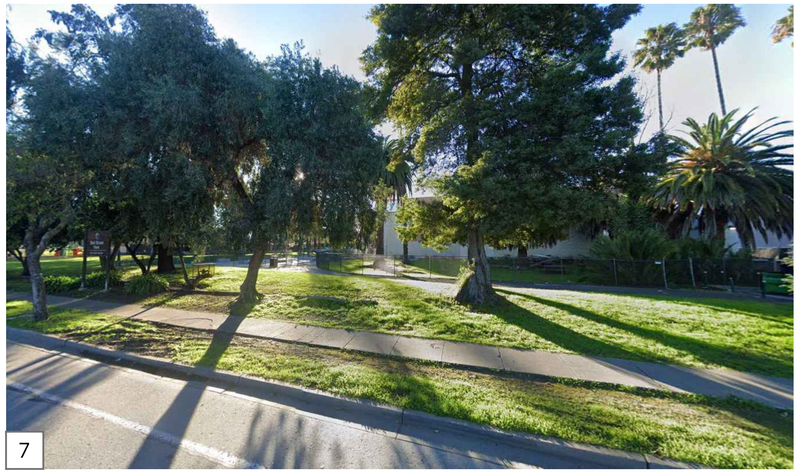
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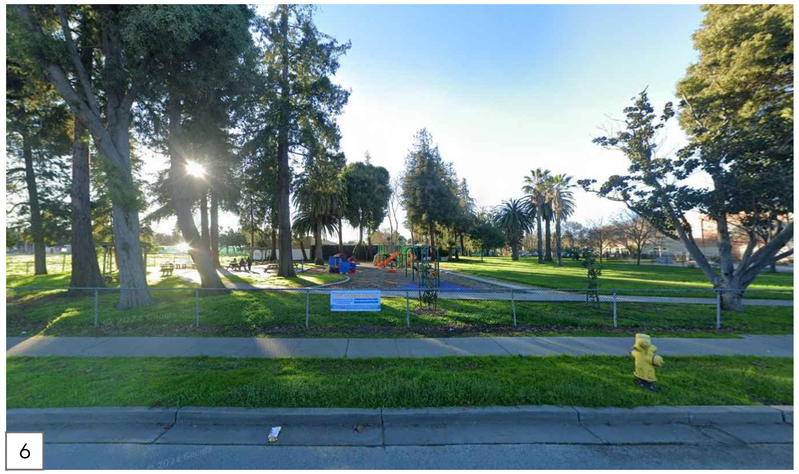
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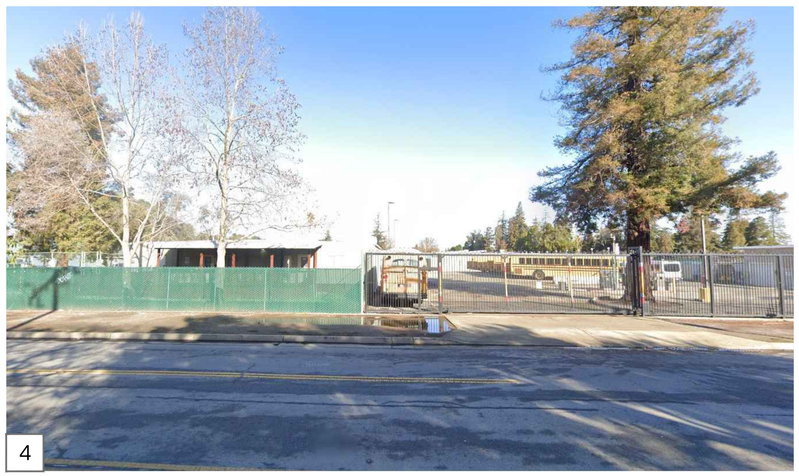
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5

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

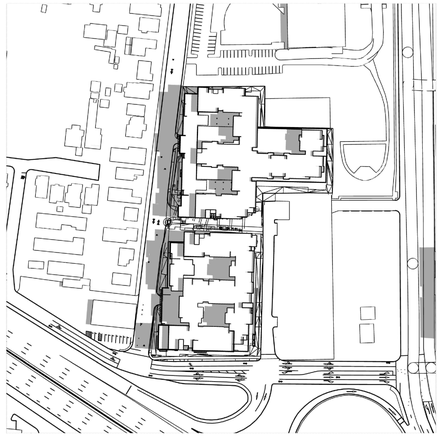
NEIGHBORHOOD CONTEXT

AO

G1.0

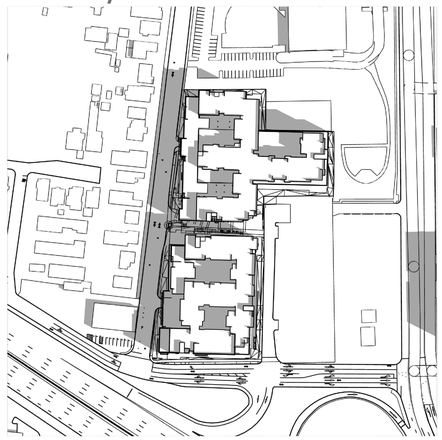
JOB NO. 2025-1061
DATE 06-10-2026

SUMMER SOLSTICE



JUNE 21 9:00 AM

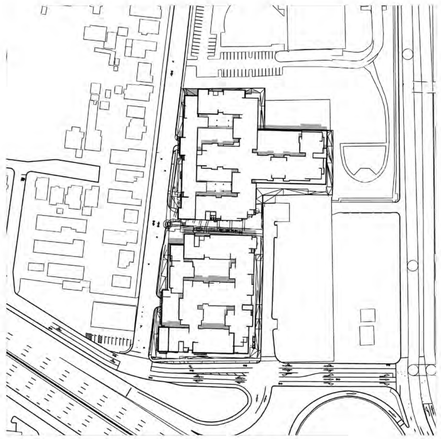
SPRING/ AUTUMN SOLSTICE



MARCH/ SEPT 21 9:00 AM

WINTER SOLSTICE

DEC 21 9:00 AM



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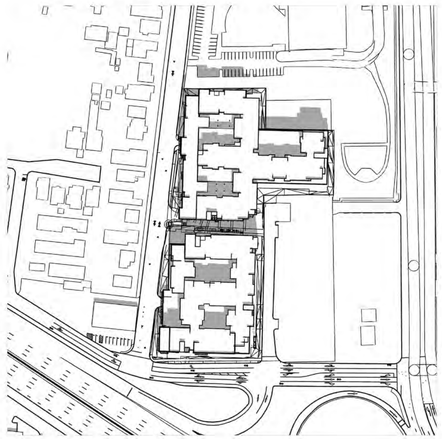

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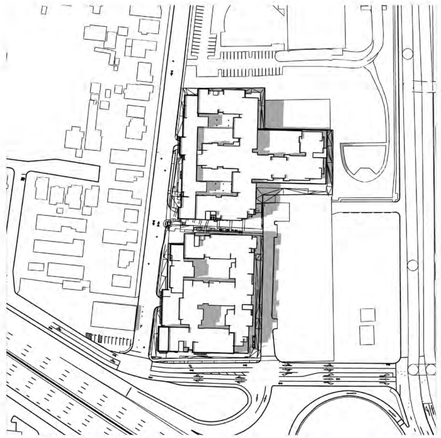
DEC 21 12:00 PM



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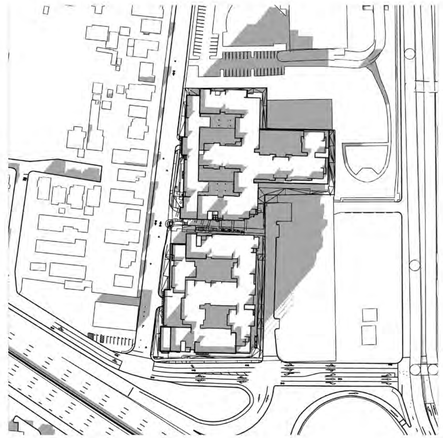


DEC 21 3:00 PM

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

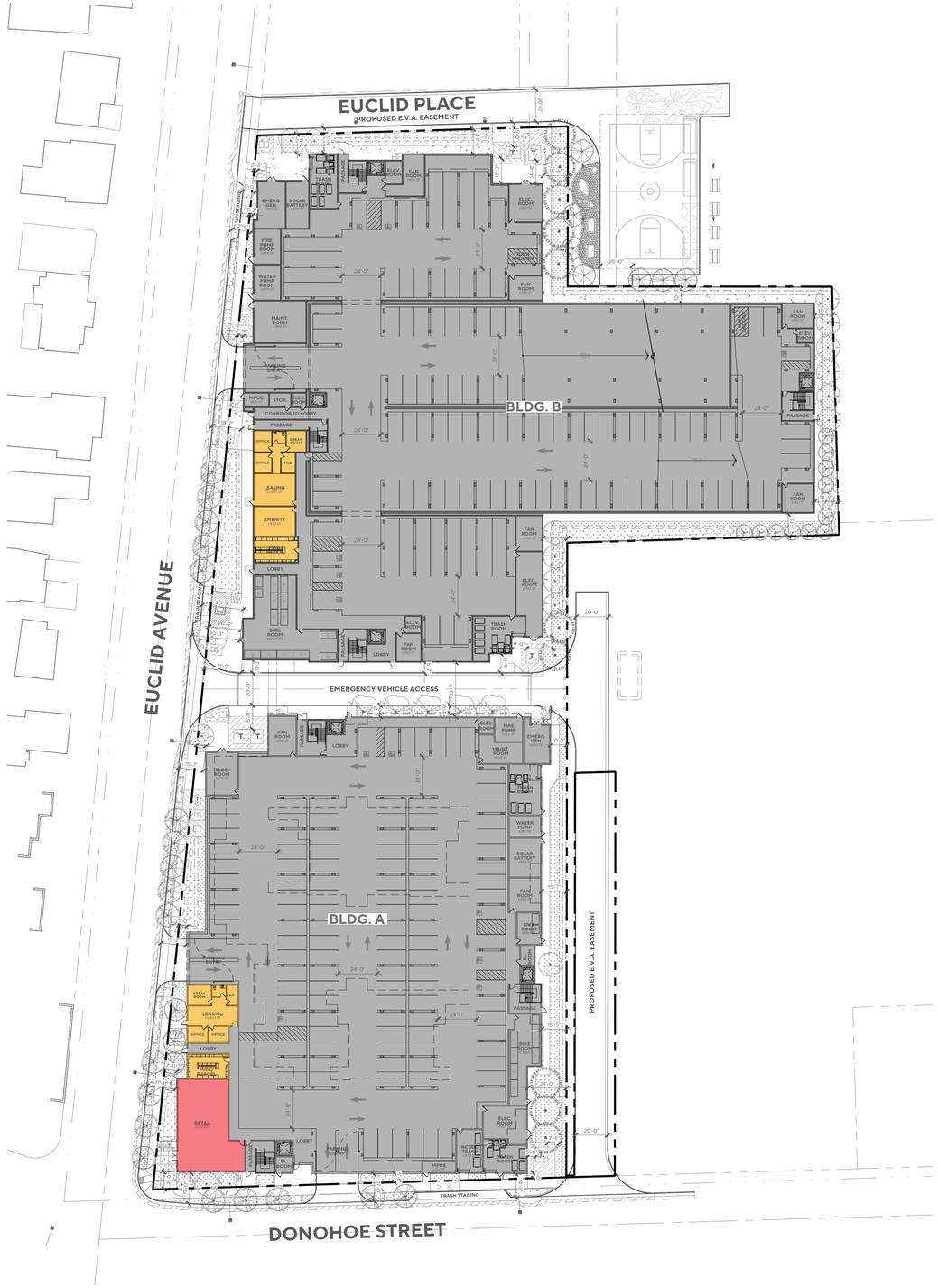
EAST PALO ALTO, CA

SHADOW STUDY

AO

G1.1

JOB NO. 2025-1061
DATE 06-10-2026

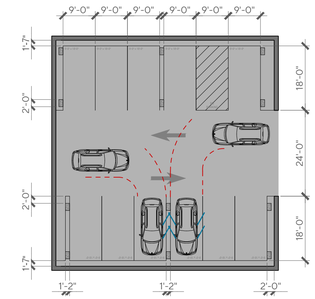


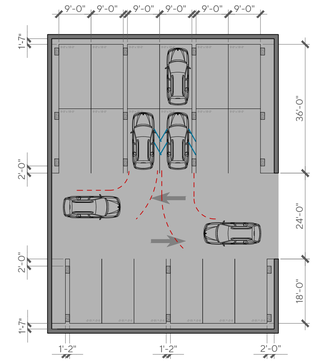
LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- PARKING CIRCULATION

PARKING DESIGN STANDARDS

SCALE: 1" = 20'





PARKING DIMENSIONS PER §18.60.090
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
DRIVE AISLE WIDTH – 24'-0"

PARKING DIMENSIONS PROVIDED
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
TANDEM STALL – 9'-0" X 36'-0"
DRIVE AISLE WIDTH – 24'-0"

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

SITE PLAN

NORTH

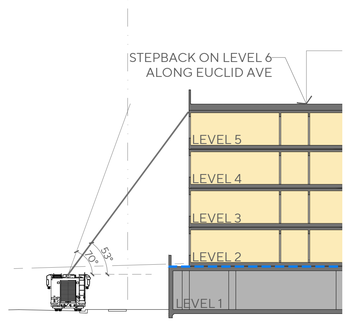
0 40 80 120 160

1"=40'

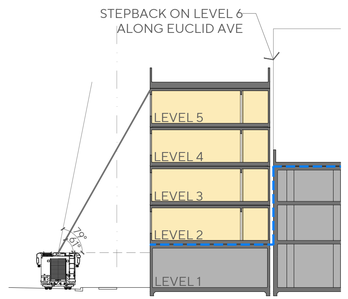
A1.0

JOB NO. 2025-1061
DATE 06-10-2026

FIRE AERIAL LADDER ACCESS ON EUCLID AVENUE

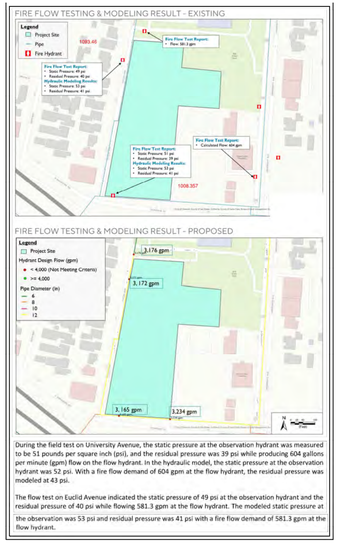


SECTION A - BUILDING A
SCALE - 1"=20'



SECTION B - BUILDING B
SCALE - 1"=20'

FIRE FLOW SUMMARY



During the field test on University Avenue, the static pressure at the observation hydrant was measured to be 51 pounds per square inch (psi), and the residual pressure was 39 psi while producing 604 gallons per minute (gpm) flow on the flow hydrant. In the hydraulic model, the static pressure at the observation hydrant was 52 psi. With a fire flow demand of 604 gpm at the flow hydrant, the residual pressure was modeled at 43 psi.

The flow test on Euclid Avenue indicated the static pressure of 49 psi at the observation hydrant and the residual pressure of 40 psi while flowing 581.3 gpm at the flow hydrant. The modeled static pressure at the observation was 53 psi and residual pressure was 41 psi with a fire flow demand of 581.3 gpm at the flow hydrant.

BUILDING AREA (BUILDING A)	
TOTAL AREA TYPE I	60,443 SQ. FT. (21%)
TOTAL AREA TYPE III-A	221,594 SQ. FT. (79%)
PROJECT TOTAL:	282,037 SQ. FT.

FIRE-FLOW REQUIREMENT (BUILDING A)	
FIRE-FLOW CALCULATION AREA:	282,037 FT²
FIRE FLOW DEMAND (TYPE I):	6,000 GPM
FIRE FLOW DEMAND (TYPE III-A):	6,000 GPM
ADJUSTED FIRE FLOW DEMAND TYPE I:	1,260 GPM
ADJUSTED FIRE FLOW DEMAND TYPE III-A:	4,740 GPM
TOTAL FIRE FLOW DEMAND:	6,000 GPM
50% REDUCTION PER CFC TABLE B105.2:	(-3,000 GPM)
REQUIRED FIRE FLOW DEMAND:	**3,000 GPM**
MINIMUM REQUIRED FLOW DURATION:	3 HOURS

BUILDING AREA (BUILDING B)	
TOTAL AREA TYPE I	159,666 SQ. FT. (41%)
TOTAL AREA TYPE III-A	223,946 SQ. FT. (59%)
PROJECT TOTAL:	383,612 SQ. FT.

FIRE-FLOW REQUIREMENT (BUILDING B)	
FIRE-FLOW CALCULATION AREA:	383,612 FT²
FIRE FLOW DEMAND (TYPE I):	6,000 GPM
FIRE FLOW DEMAND (TYPE III-A):	6,000 GPM
ADJUSTED FIRE FLOW DEMAND TYPE I:	2,460 GPM
ADJUSTED FIRE FLOW DEMAND TYPE III-A:	3,540 GPM
TOTAL FIRE FLOW DEMAND:	6,000 GPM
50% REDUCTION PER CFC TABLE B105.2:	(-3,000 GPM)
REQUIRED FIRE FLOW DEMAND:	**3,000 GPM**
MINIMUM REQUIRED FLOW DURATION:	3 HOURS

REQUIRED NUMBER & SPACING OF HYDRANTS	
REQUIRED FIRE FLOW:	3,000 GPM
MIN # OF HYDRANTS (PER CFC TABLE C102.1):	3
REQUIRED AVERAGE PER CFC TABLE C102.1:	400 FT.
ACTUAL AVERAGE HYDRANT SPACING:	**275 FT.**
REQUIRED MAX. DISTANCE PER CFC TABLE C102.1:	225 FT.

UNDERGROUND NOTE
ALL UNDERGROUND PIPING IS BY OTHERS AND IS SHOWN FOR HYDRAULIC REFERENCE ONLY. SEE ARCHITECTURAL & UTILITY DRAWINGS.

LEGEND

- TYPE I-A CONSTRUCTION
- TYPE III-A CONSTRUCTION
- 20'-WIDE E.V.A. CAPABLE OF SUPPORTING A 75,000 lbs FIRE APPARATUS W/ ALL WEATHER SURFACE
- 26'- WIDE FIRE ACCESS LANE
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- FIRE AERIAL LADDER ACCESS
- FIRE WALL SEPARATION
- 150' MAX. FIRE HOSE PULL
- EXISTING HYDRANT
- PROPOSED HYDRANT
- PROPOSED FDC CONNECTION
- STANDPIPE LOCATION
- K — KNOX BOX
- FIRE APPARATUS
- FIRE APPARATUS W/ OUTRIGGERS

NOTE: ALL EXISTING SPEED BUMPS LOCATED ALONG EUCLID AVE TO BE REMOVED, INCLUDING THOSE FRONTING SUBJECT PROJECT AND THOSE SPEED BUMPS NOT FRONTING SUBJECT PROJECT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

FIRE ACCESS PLAN

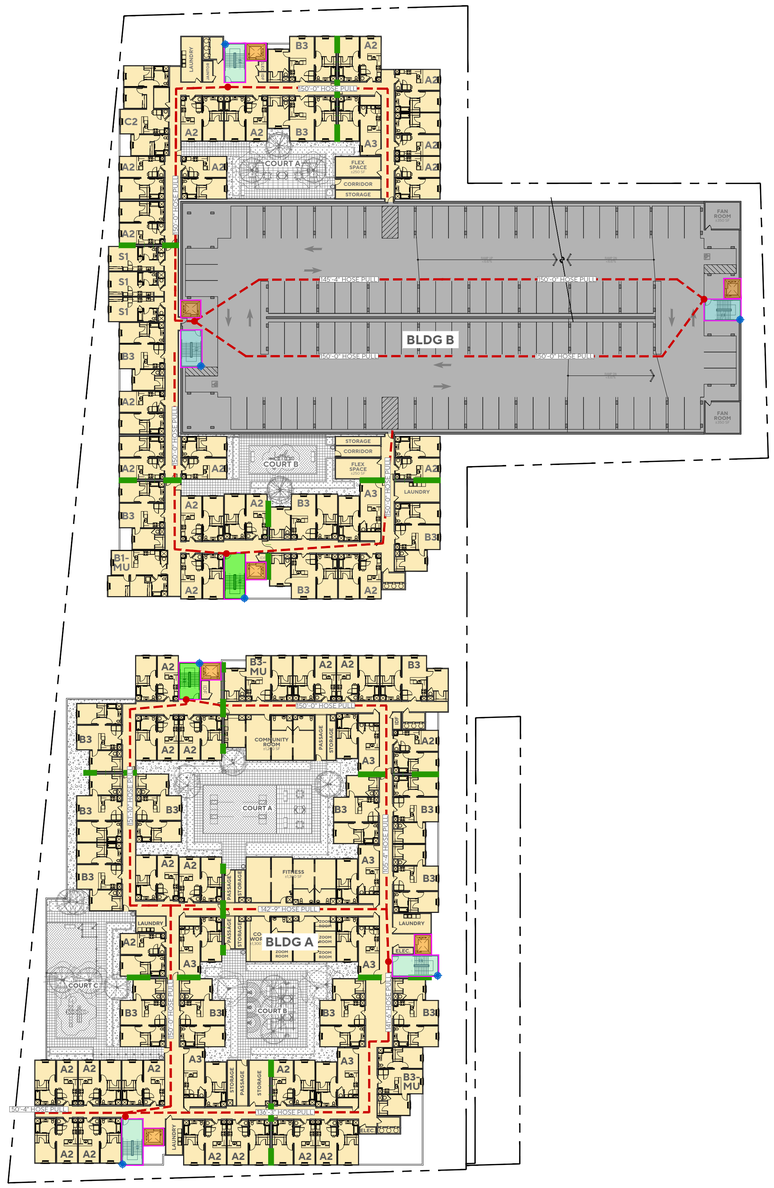
NORTH

0 40' 80' 120' 160' 1"=40'

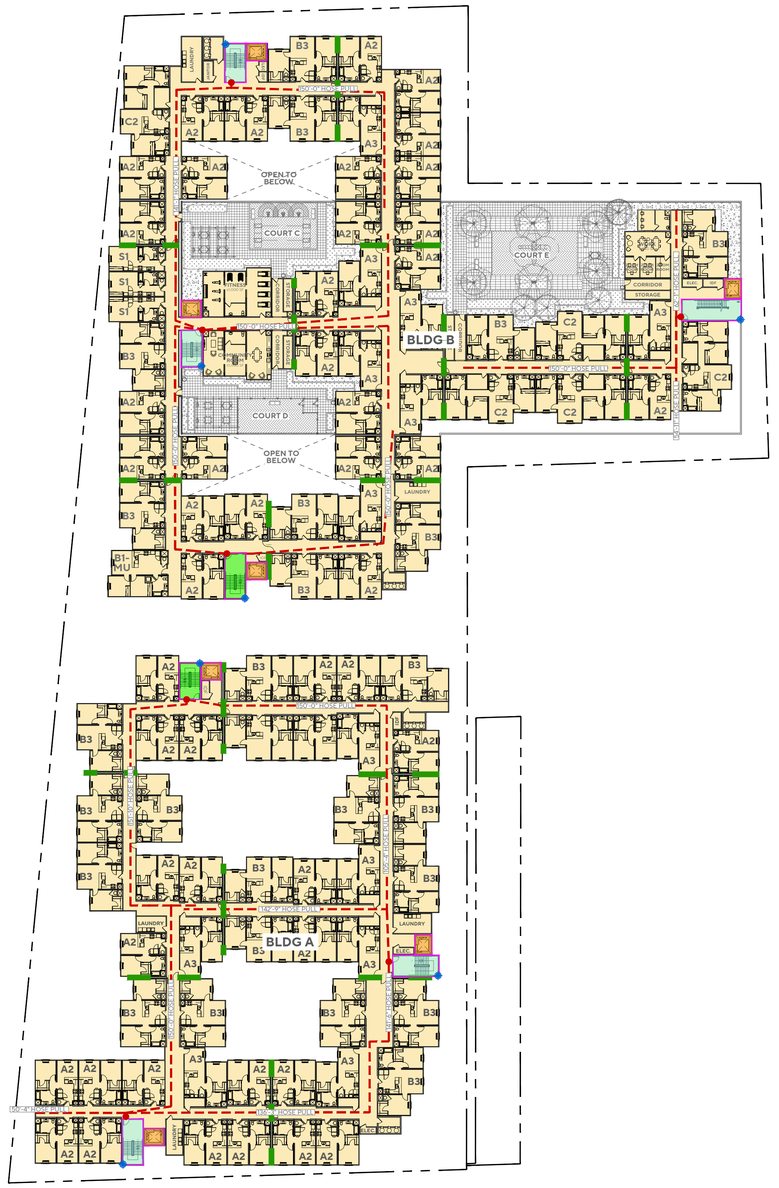
AO

A1.1

JOB NO. 2025-1061
DATE 06-10-2026



LEVELS 2-3



LEVEL 4

LEGEND

- TYPE I-A CONSTRUCTION
- TYPE III-A CONSTRUCTION
- 20'-WIDE E.V.A.
  CAPABLE OF SUPPORTING A 75,000 lbs FIRE APPARATUS W/ ALL WEATHER SURFACE
- 26'- WIDE FIRE ACCESS LANE
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- FIRE AERIAL LADDER ACCESS
- FIRE WALL SEPARATION
- 150' MAX. FIRE HOSE PULL
- EXISTING HYDRANT
- PROPOSED HYDRANT
- PROPOSED FDC CONNECTION
- STANDPIPE LOCATION
- K — KNOX BOX
- FIRE APPARATUS
- FIRE APPARATUS W/ OUTRIGGERS

NOTE: ALL EXISTING SPEED BUMPS LOCATED ALONG EUCLID AVE TO BE REMOVED, INCLUDING THOSE FRONTING SUBJECT PROJECT AND THOSE SPEED BUMPS NOT FRONTING SUBJECT PROJECT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

FIRE ACCESS PLAN
LEVELS 2-4

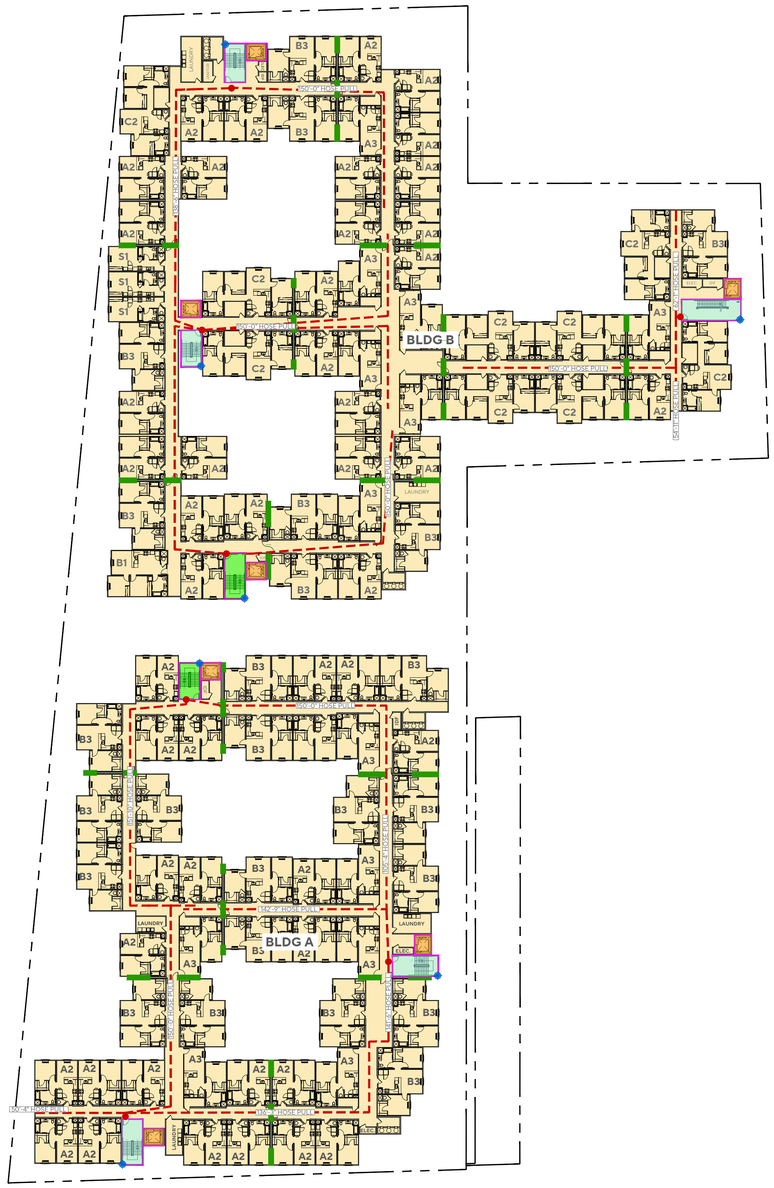
NORTH

1"=40'
0 40' 80' 120' 160'

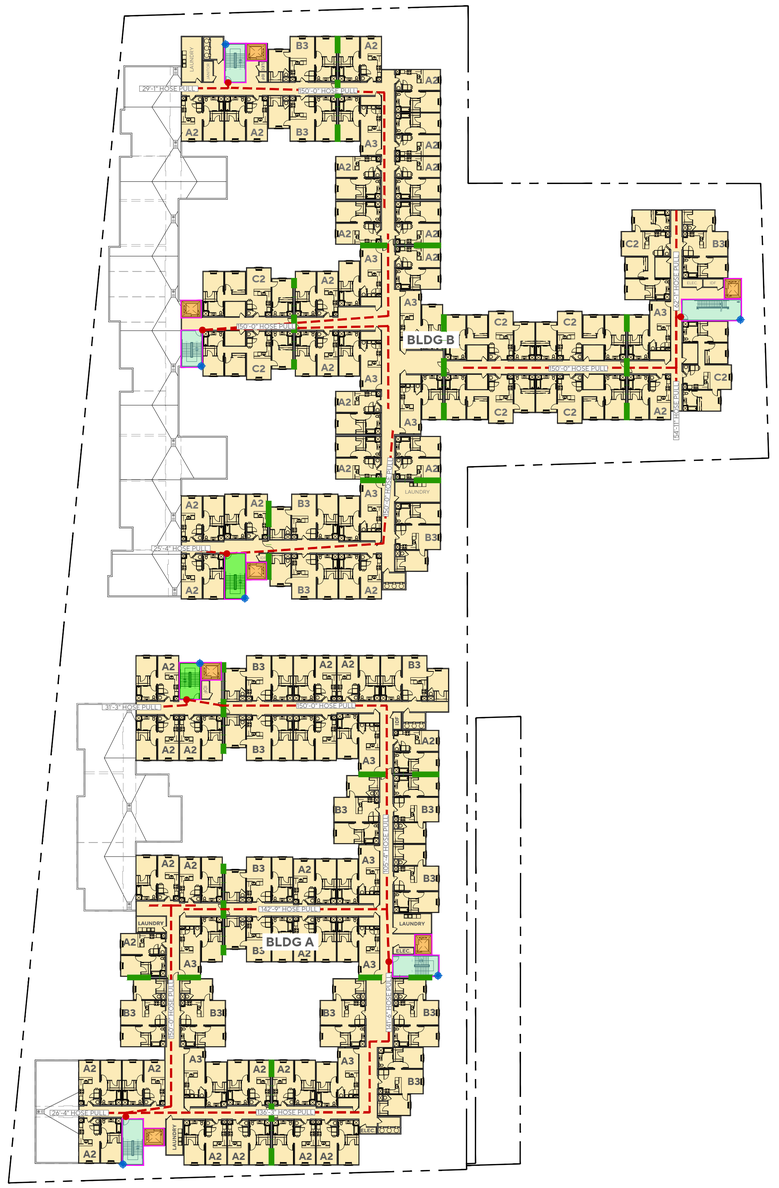
AO

A1.2

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 5



LEVEL 6

LEGEND

- TYPE I-A CONSTRUCTION
- TYPE III-A CONSTRUCTION
- 20'-WIDE E.V.A.
  CAPABLE OF SUPPORTING A 75,000 lbs FIRE APPARATUS W/ ALL WEATHER SURFACE
- 26'- WIDE FIRE ACCESS LANE
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- FIRE AERIAL LADDER ACCESS
- FIRE WALL SEPARATION
- 150' MAX. FIRE HOSE PULL
- EXISTING HYDRANT
- PROPOSED HYDRANT
- PROPOSED FDC CONNECTION
- STANDPIPE LOCATION
- K KNOX BOX
- FIRE APPARATUS
- FIRE APPARATUS W/ OUTRIGGERS

NOTE: ALL EXISTING SPEED BUMPS LOCATED ALONG EUCLID AVE TO BE REMOVED, INCLUDING THOSE FRONTING SUBJECT PROJECT AND THOSE SPEED BUMPS NOT FRONTING SUBJECT PROJECT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

FIRE ACCESS PLAN
LEVELS 5 & 6

NORTH

1"=40'
0 40' 80' 120' 160'

AO

A1.3

JOB NO. 2025-1061
DATE 06-10-2026

Alternate Means (AMMR) Application

FRM-002
Date: 1/1/17
Mod:12/6/24

Approved
by:GES

INSTRUCTIONS TO APPLICANT: Fill out this application as completely as possible. Incomplete applications, including signatures, will be rejected. See the appropriate code sections below for further info.

☐ **REQUEST FOR MODIFICATION OF CODE (CFC 104.8)**

☐ **REQUEST FOR ALTERNATE MATERIAL OR METHOD OF CONSTRUCTION (CFC 104.9)**

1	JOB ADDRESS	2120-2160 Euclid Ave.		APN	063-292-380	
	OWNER			LOT	BLOCK	
	ADDRESS	Ravenswood City School District, William Eger	PERMIT #	MPR24-0310R1	CONSTRUCT TYPE	IIIA over I-A
	ADDRESS	2160 Euclid Avenue, East Palo Alto, CA 94303			STORIES	5 to 6
	PHONE	(650) 329-2800 x.6101	PA #		OCCUPANCY CLASS	
	PETITIONER	Pye-Barker Fire Safety / Craig Spicer			OCC LOAD	
	ADDRESS	500 Boulder Court, Suite A	CITY		ZIP	94303
	ADDRESS	Pleasanton, CA 94566			# of UNITS	430
	PHONE	(949) 209-0586	USE(S) OF BLDG		residential w/2,000sf groundfloor retail	

2 **Code section needing alternate/modification:** 2025 CFC 503.1.1 and Appendix B105.2

3 **REQUEST:** *Submit plans if necessary to illustrate request. Additional sheets or data may be attached:*

To mitigate the lack of 150 ft. fire access around the site, we are proposing to add a wet standpipe with (2) 2-1/2" fire hose valves within the rated exit stair on the backside of Building B where the 139 ft. hose pull deficiency is located.

Alternate Means (AMMR) Application

FRM-002
Date: 1/1/17
Mod:12/6/24

Approved
by:GES

4 **JUSTIFICATION/FINDINGS OF EQUIVALENCY:** *Applicant shall demonstrate Suitability, Strength, Effectiveness, Fire resistance, Durability, and Safety of justification. PLEASE NOTE: Any alternate must provide for an equivalent level of protection as required by State Law. Equivalencies will be evaluated through the use of NFPA 550, or other nationally recognized standards, or engineering judgements.*

The addition of a wet standpipe inside the exit stair near the hose pull deficiency will provide a means for the fire department to connect a hose and pull to the backside of the project where there is a deficiency of approximately 139 ft.. This standpipe will tie into the building's manual wet standpipe system that can be charged from the fire department connection. In addition, the building will be fully-sprinklered throughout per CFC 903.3.1.1. CFC 905.1.1 exception (1), authorizes the fire code official to increase the hose pull distance from 150 ft. where the building is equipped with a 903.3.1.1 system. This section is not modified in the East Palo Alto Fire Code. The 139 ft. hose reach deficiency could be mitigated with an increase in allowable hose pull to 197 ft.. As shown on the included exhibit, a third hydrant located along University Ave. can be used in an emergency to pull hose through the park.

Attach additional sheets if necessary.

		For Office Use Only:	
PETITIONER:	Craig Spicer		
SIGNATURE:	Craig Spicer (5/8/26 11:12 PDT)	REVIEWED BY:	
DATE:	5/8/26		
POSITION:	Craig Spicer / Fire Sprinkler Design Manager	DATE:	

AMMR Request - Hose Pull

Final Audit Report 2026-05-08

Created:	2026-05-08
By:	Katia Kamangar (katkamangar@gmail.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAlJDgdc7MZBsk2wbMtjQJy2wVTX67uLvy

"AMMR Request - Hose Pull" History

Document created by Katia Kamangar (katkamangar@gmail.com)
2026-05-08 - 4:03:35 PM GMT- IP address: 67.170.200.124

Document emailed to craig.spicer@pyebarkerfs.com for signature
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Signer craig.spicer@pyebarkerfs.com entered name at signing as Craig Spicer
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Document e-signed by Craig Spicer (craig.spicer@pyebarkerfs.com)
Signature Date: 2026-05-08 - 4:15:42 PM GMT - Time Source: server- IP address: 50.96.239.110 - Signature Appearance Selected: TYPE

Agreement completed.
2026-05-08 - 4:15:42 PM GMT

Adobe Acrobat Sign

Alternate Means (AMMR) Application

FRM-002
Date: 1/1/17
Mod:12/6/24

Approved
by:GES

The Fire Marshal evaluated the proposal based on nationally recognized codes and standards, as well as recognized practices to ensure that the request is at least equivalent to the original code provisions.

DEPARTMENT ACTION: After determination, copies to: 1) applicant by mail, 2) attach copy to office plans, and 3) file copy to central filing system.

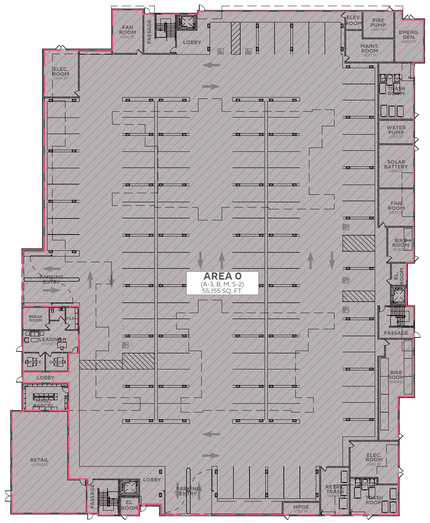
The Request is: GRANTED ☒ DENIED ☐

Reason for Denial:

CONDITIONS OF APPROVAL:

For Office Use Only	
No. of Items:	
Fee Due:	
Date Paid:	
Receipt No:	
Processed By:	

Fire Marshal Signature: DATE: 5/27/26



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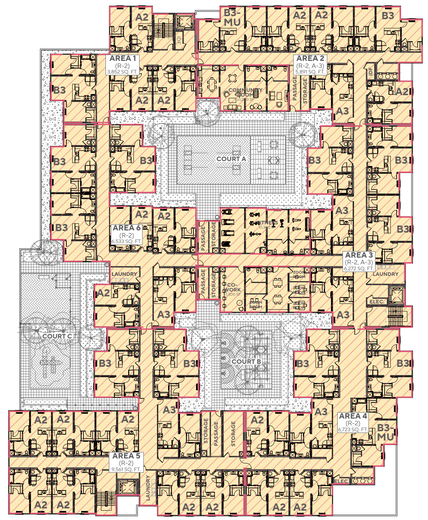

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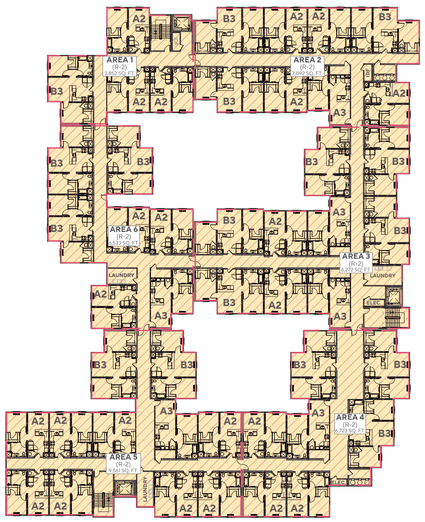

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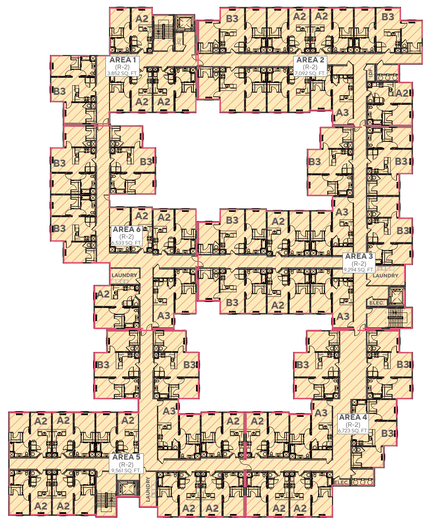


LEVEL 4

BUILDING A ALLOWABLE HEIGHT AND NUMBER OF STORIES

IN FEET ABOVE GRADE PLANE

BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL
RETAIL	TYPE I-A	M	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, M, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 -
NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM
B = LEASING
M = RETAIL
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	395 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - M	2,013 SQ. FT.
1ST STORY - S-2	55,155 SQ. FT.
TOTAL	58,654 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 4, 5, 6:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	3,852 SQ. FT.
3RD STORY	3,852 SQ. FT.
4TH STORY	3,852 SQ. FT.
5TH STORY	3,852 SQ. FT.
6TH STORY	2,697 SQ. FT.
TOTAL	18,105 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	6,723 SQ. FT.
3RD STORY	6,723 SQ. FT.
4TH STORY	6,723 SQ. FT.
5TH STORY	6,723 SQ. FT.
6TH STORY	6,723 SQ. FT.
TOTAL	33,615 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 5 ACTUAL AREA:

2ND STORY	9,561 SQ. FT.
3RD STORY	9,561 SQ. FT.
4TH STORY	9,561 SQ. FT.
5TH STORY	9,561 SQ. FT.
6TH STORY	8,180 SQ. FT.
TOTAL	46,424 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	6,533 SQ. FT.
3RD STORY	6,533 SQ. FT.
4TH STORY	6,533 SQ. FT.
5TH STORY	6,533 SQ. FT.
6TH STORY	3,329 SQ. FT.
TOTAL	29,461 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2, 3:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 2 : RATIOS PER STORY

2ND STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,200/14,000)+(5,891/24,000) <1
(0.08)+(0.25) <1
0.33 <1 **COMPLIES**

3TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(7,092/24,000) <1
0.29 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.33)+(0.29)+(0.29)+(0.29)+(0.29) <2
1.49 <2 **COMPLIES**

AREA 3 : RATIOS PER STORY

2ND STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(3,022/14,000)+(6,272/24,000) <1
(0.21) + (0.25) <1
0.46 <1 **COMPLIES**

3TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(9,294/24,000) <1
0.38 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.46)+(0.38)+(0.38)+(0.38) <2
1.98 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

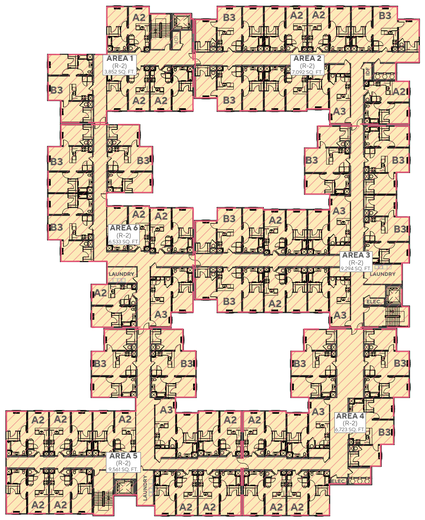
BUILDING A
ALLOWABLE FIRE AREA

NORTH

1"=40'
0 40' 80' 120' 160'

A1.5

JOB NO. 2025-1061
DATE 06-10-2026



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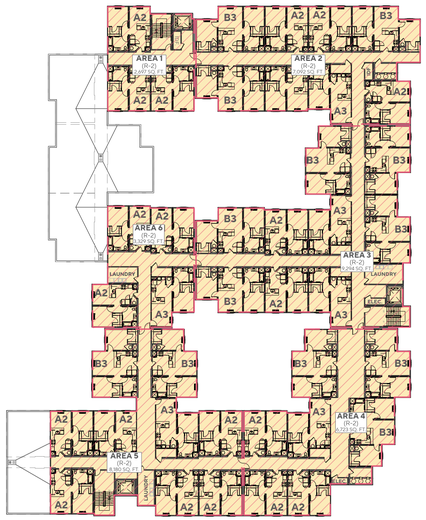


LEVEL 6

BUILDING A ALLOWABLE HEIGHT AND NUMBER OF STORIES							
IN FEET ABOVE GRADE PLANE							
BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL
RETAIL	TYPE I-A	M	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, M, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 - NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM
B = LEASING
M = RETAIL
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	395 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - M	2,013 SQ. FT.
1ST STORY - S-2	55,155 SQ. FT.
TOTAL	58,654 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 4, 5, 6:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	3,852 SQ. FT.
3RD STORY	3,852 SQ. FT.
4TH STORY	3,852 SQ. FT.
5TH STORY	3,852 SQ. FT.
6TH STORY	2,697 SQ. FT.
TOTAL	18,105 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	6,723 SQ. FT.
3RD STORY	6,723 SQ. FT.
4TH STORY	6,723 SQ. FT.
5TH STORY	6,723 SQ. FT.
6TH STORY	6,723 SQ. FT.
TOTAL	33,615 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 5 ACTUAL AREA:

2ND STORY	9,561 SQ. FT.
3RD STORY	9,561 SQ. FT.
4TH STORY	9,561 SQ. FT.
5TH STORY	9,561 SQ. FT.
6TH STORY	8,180 SQ. FT.
TOTAL	46,424 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	6,533 SQ. FT.
3RD STORY	6,533 SQ. FT.
4TH STORY	6,533 SQ. FT.
5TH STORY	6,533 SQ. FT.
6TH STORY	3,329 SQ. FT.
TOTAL	29,461 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2, 3:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 2 : RATIOS PER STORY

2ND STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,200/14,000)+(5,891/24,000) <1
(0.08)+(0.25) <1
0.33 <1 **COMPLIES**

3TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(7,092/24,000) <1
0.29 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.33)+(0.29)+(0.29)+(0.29)+(0.29) <2
1.49 <2 **COMPLIES**

AREA 3 : RATIOS PER STORY

2ND STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(3,022/14,000)+(6,272/24,000) <1
(0.21) + (0.25) <1
0.46 <1 **COMPLIES**

3TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(9,294/24,000) <1
0.38 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.46)+(0.38)+(0.38)+(0.38) <2
1.98 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A
ALLOWABLE FIRE AREA

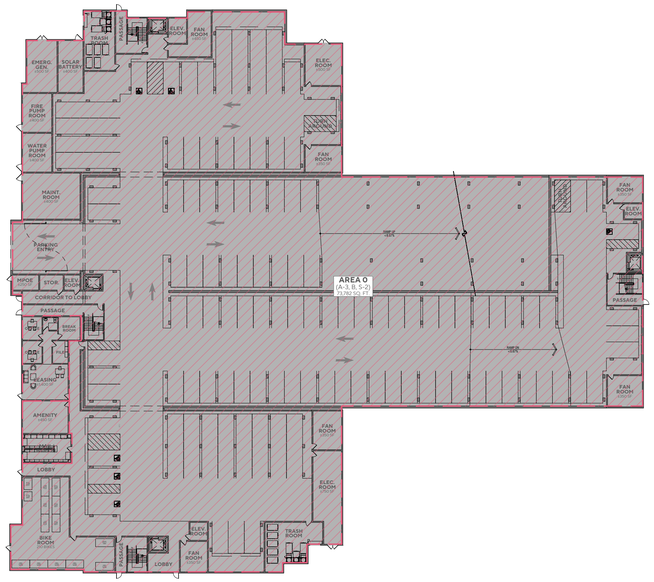
NORTH

1"=40'
0 40' 80' 120' 160'

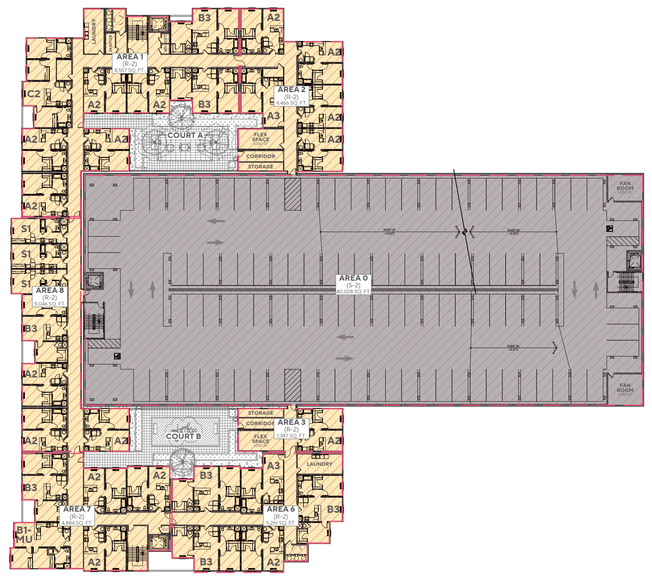
AO

A1.6

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 1



LEVEL 2

BUILDING B ALLOWABLE HEIGHT AND NUMBER OF STORIES							
IN FEET ABOVE GRADE PLANE							
BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 -
NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM, AMENITY SPACE
B = LEASING
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	938 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - S-2	73,782 SQ. FT.
2ND STORY - S-2	40,028 SQ. FT.
3RD STORY - S-2	40,028 SQ. FT.
TOTAL	156,115 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 2, 3, 4, 6, 7:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	8,557 SQ. FT.
3RD STORY	8,557 SQ. FT.
4TH STORY	8,557 SQ. FT.
5TH STORY	8,557 SQ. FT.
6TH STORY	4,740 SQ. FT.
TOTAL	38,968 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2 ACTUAL AREA:

2ND STORY	4,466 SQ. FT.
3RD STORY	4,466 SQ. FT.
4TH STORY	5,930 SQ. FT.
5TH STORY	5,930 SQ. FT.
6TH STORY	5,930 SQ. FT.
TOTAL	26,722 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 3 ACTUAL AREA:

2ND STORY	1,387 SQ. FT.
3RD STORY	1,387 SQ. FT.
4TH STORY	8,532 SQ. FT.
5TH STORY	8,532 SQ. FT.
6TH STORY	8,532 SQ. FT.
TOTAL	28,370 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	-
3RD STORY	-
4TH STORY	5,715 SQ. FT.
5TH STORY	5,783 SQ. FT.
6TH STORY	5,783 SQ. FT.
TOTAL	17,281 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	5,261 SQ. FT.
3RD STORY	5,261 SQ. FT.
4TH STORY	5,261 SQ. FT.
5TH STORY	5,261 SQ. FT.
6TH STORY	5,261 SQ. FT.
TOTAL	26,305 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 7 ACTUAL AREA:

2ND STORY	4,884 SQ. FT.
3RD STORY	4,884 SQ. FT.
4TH STORY	4,884 SQ. FT.
5TH STORY	4,884 SQ. FT.
6TH STORY	2,663 SQ. FT.
TOTAL	22,199 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 8, 5:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 5: RATIOS PER STORY

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(950/14,000)+(5,406/24,000) <1
(0.07)+(0.22) <1
0.3 <1 **COMPLIES**

5TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(6,356/24,000) <1
0.26 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.26)+(0.26)+(0.3)+(0.26)+(0.26) <2
1.34 <2 **COMPLIES**

AREA 8: RATIOS PER STORY

2ND TO 3RD STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(5,046/24,000) <1
0.21 <1 **COMPLIES**

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,999/14,000)+(6,421/24,000) <1
(0.14)+(0.26) <1
0.4 <1 **COMPLIES**

5TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(8,420/24,000) <1
0.35 <1 **COMPLIES**

6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(3,303/24,000) <1
0.14 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.21)+(0.21)+(0.4)+(0.35)+(0.14) <2
1.31 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

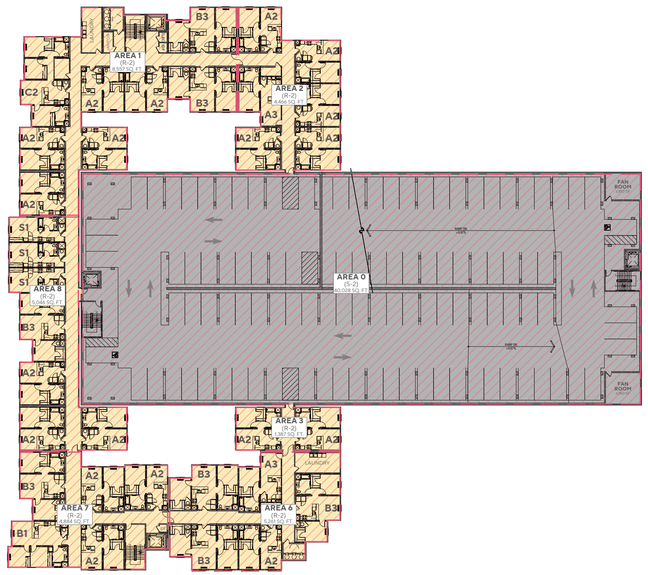
BUILDING B
ALLOWABLE BUILDING AREA

NORTH

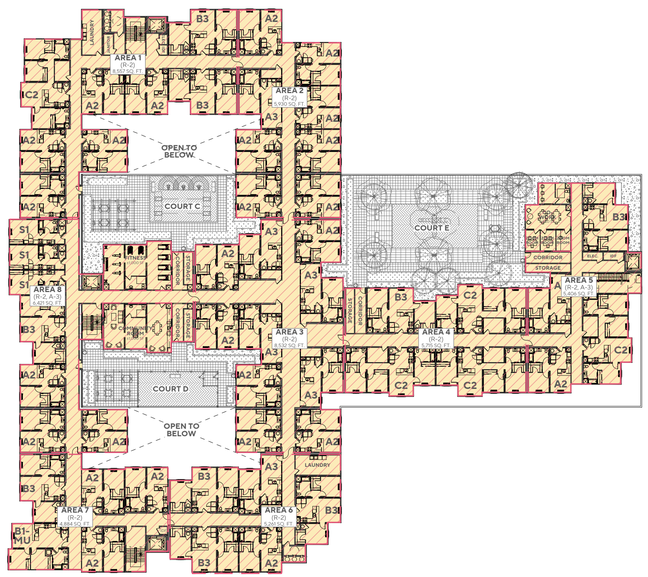
1"=40'
0 40' 80' 120' 160'

A1.7

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 3



LEVEL 4

BUILDING B ALLOWABLE HEIGHT AND NUMBER OF STORIES

IN FEET ABOVE GRADE PLANE

BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 -
NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM, AMENITY SPACE
B = LEASING
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	938 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - S-2	73,782 SQ. FT.
2ND STORY - S-2	40,028 SQ. FT.
3RD STORY - S-2	40,028 SQ. FT.
TOTAL	156,115 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 2, 3, 4, 6, 7:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	8,557 SQ. FT.
3RD STORY	8,557 SQ. FT.
4TH STORY	8,557 SQ. FT.
5TH STORY	8,557 SQ. FT.
6TH STORY	4,740 SQ. FT.
TOTAL	38,968 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2 ACTUAL AREA:

2ND STORY	4,466 SQ. FT.
3RD STORY	4,466 SQ. FT.
4TH STORY	5,930 SQ. FT.
5TH STORY	5,930 SQ. FT.
6TH STORY	5,930 SQ. FT.
TOTAL	26,722 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 3 ACTUAL AREA:

2ND STORY	1,387 SQ. FT.
3RD STORY	1,387 SQ. FT.
4TH STORY	8,532 SQ. FT.
5TH STORY	8,532 SQ. FT.
6TH STORY	8,532 SQ. FT.
TOTAL	28,370 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	-
3RD STORY	-
4TH STORY	5,715 SQ. FT.
5TH STORY	5,783 SQ. FT.
6TH STORY	5,783 SQ. FT.
TOTAL	17,281 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	5,261 SQ. FT.
3RD STORY	5,261 SQ. FT.
4TH STORY	5,261 SQ. FT.
5TH STORY	5,261 SQ. FT.
6TH STORY	5,261 SQ. FT.
TOTAL	26,305 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 7 ACTUAL AREA:

2ND STORY	4,884 SQ. FT.
3RD STORY	4,884 SQ. FT.
4TH STORY	4,884 SQ. FT.
5TH STORY	4,884 SQ. FT.
6TH STORY	2,663 SQ. FT.
TOTAL	22,199 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 8, 5:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 5: RATIOS PER STORY

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(950/14,000)+(5,406/24,000) <1
(0.07)+(0.22) <1
0.3 <1 **COMPLIES**

5TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(6,356/24,000) <1
0.26 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.26)+(0.26)+(0.3)+(0.26)+(0.26) <2
1.34 <2 **COMPLIES**

AREA 8: RATIOS PER STORY

2ND TO 3RD STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(5,046/24,000) <1
0.21 <1 **COMPLIES**

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,999/14,000)+(6,421/24,000) <1
(0.14)+(0.26) <1
0.4 <1 **COMPLIES**

5TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(8,420/24,000) <1
0.35 <1 **COMPLIES**

6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(3,303/24,000) <1
0.14 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.21)+(0.21)+(0.4)+(0.35)+(0.14) <2
1.31 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

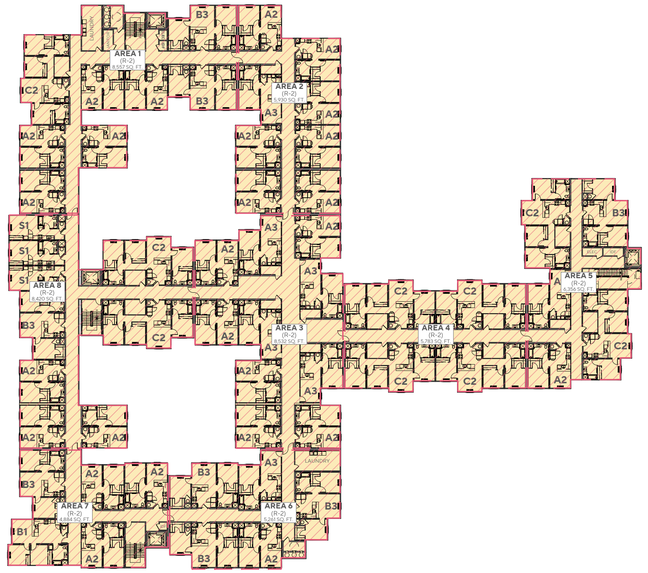
TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

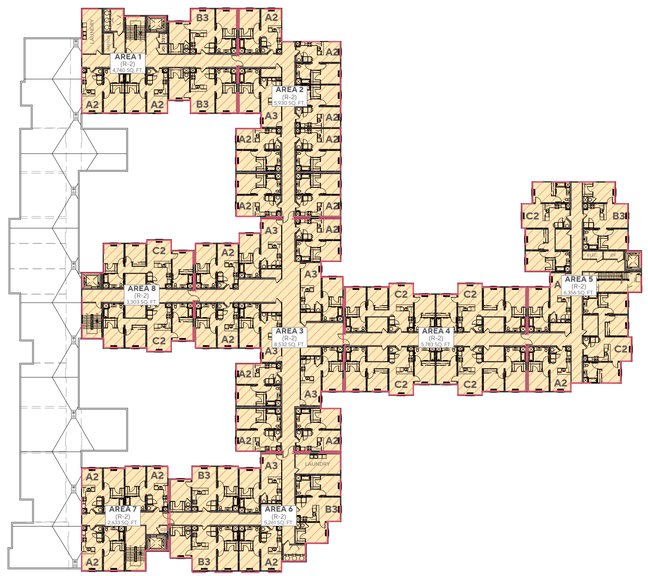
CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.



LEVEL 5



LEVEL 6

BUILDING B ALLOWABLE HEIGHT AND NUMBER OF STORIES							
IN FEET ABOVE GRADE PLANE							
BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 -
NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM, AMENITY SPACE
B = LEASING
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	938 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - S-2	73,782 SQ. FT.
2ND STORY - S-2	40,028 SQ. FT.
3RD STORY - S-2	40,028 SQ. FT.
TOTAL	156,115 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 2, 3, 4, 6, 7:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	8,557 SQ. FT.
3RD STORY	8,557 SQ. FT.
4TH STORY	8,557 SQ. FT.
5TH STORY	8,557 SQ. FT.
6TH STORY	4,740 SQ. FT.
TOTAL	38,968 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2 ACTUAL AREA:

2ND STORY	4,466 SQ. FT.
3RD STORY	4,466 SQ. FT.
4TH STORY	5,930 SQ. FT.
5TH STORY	5,930 SQ. FT.
6TH STORY	5,930 SQ. FT.
TOTAL	26,722 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 3 ACTUAL AREA:

2ND STORY	1,387 SQ. FT.
3RD STORY	1,387 SQ. FT.
4TH STORY	8,532 SQ. FT.
5TH STORY	8,532 SQ. FT.
6TH STORY	8,532 SQ. FT.
TOTAL	28,370 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	-
3RD STORY	-
4TH STORY	5,715 SQ. FT.
5TH STORY	5,783 SQ. FT.
6TH STORY	5,783 SQ. FT.
TOTAL	17,281 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	5,261 SQ. FT.
3RD STORY	5,261 SQ. FT.
4TH STORY	5,261 SQ. FT.
5TH STORY	5,261 SQ. FT.
6TH STORY	5,261 SQ. FT.
TOTAL	26,305 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 7 ACTUAL AREA:

2ND STORY	4,884 SQ. FT.
3RD STORY	4,884 SQ. FT.
4TH STORY	4,884 SQ. FT.
5TH STORY	4,884 SQ. FT.
6TH STORY	2,663 SQ. FT.
TOTAL	22,199 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 8, 5:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 5: RATIOS PER STORY

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(950/14,000)+(5,406/24,000) <1
(0.07)+(0.22) <1
0.3 <1 **COMPLIES**

5TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(6,356/24,000) <1
0.26 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.26)+(0.26)+(0.3)+(0.26)+(0.26) <2
1.34 <2 **COMPLIES**

AREA 8: RATIOS PER STORY

2ND TO 3RD STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(5,046/24,000) <1
0.21 <1 **COMPLIES**

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,999/14,000)+(6,421/24,000) <1
(0.14)+(0.26) <1
0.4 <1 **COMPLIES**

5TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(8,420/24,000) <1
0.35 <1 **COMPLIES**

6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(3,303/24,000) <1
0.14 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.21)+(0.21)+(0.4)+(0.35)+(0.14) <2
1.31 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B
ALLOWABLE BUILDING AREA

NORTH

1"=40'
0 40' 80' 120' 160'

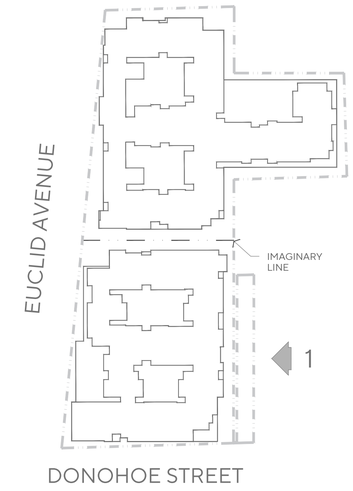
A1.9

JOB NO. 2025-1061
DATE 06-10-2026

1. BUILDING A - EAST ELEVATION

MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	10'-2"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	1,605 SQ. FT.
TOTAL OPENINGS AREA	66 SQ. FT.
ALLOWABLE AREA PROVIDED	**4.1%**
GREEN AREA	
FIRE SEPARATION DISTANCE	15'-4"
MAX. ALLOWABLE AREA	**75%**
TOTAL EXTERIOR WALL AREA	8,518 SQ. FT.
TOTAL OPENINGS AREA	1,013 SQ. FT.
ALLOWABLE AREA PROVIDED	**11.9%**
PINK AREA	
FIRE SEPARATION DISTANCE	22'-7"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	6,567 SQ. FT.
TOTAL OPENINGS AREA	808 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

ALLOWABLE OPENINGS CALCULATIONS

1"=20'
0 20 40 60 80

AO

A1.10

JOB NO. 2025-1061
DATE 06-10-2026

1. BUILDING A - NORTH ELEVATION

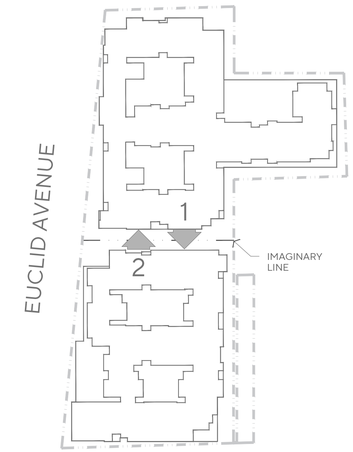
MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	11'-2"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	7,626 SQ. FT.
TOTAL OPENINGS AREA	1,125 SQ. FT.
ALLOWABLE AREA PROVIDED	**14.8%**
PINK AREA	
FIRE SEPARATION DISTANCE	21'-11"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	3,117 SQ. FT.
TOTAL OPENINGS AREA	250 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**

2. BUILDING B - SOUTH ELEVATION

MAX. ALLOWABLE WALL OPENINGS

GREEN AREA	
FIRE SEPARATION DISTANCE	16'-7"
MAX. ALLOWABLE AREA	**75%**
TOTAL EXTERIOR WALL AREA	7,432 SQ. FT.
TOTAL OPENINGS AREA	791 SQ. FT.
ALLOWABLE AREA PROVIDED	**10.6%**
PINK AREA	
FIRE SEPARATION DISTANCE	21'-9"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	1,565 SQ. FT.
TOTAL OPENINGS AREA	113 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



DONOHOE STREET

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

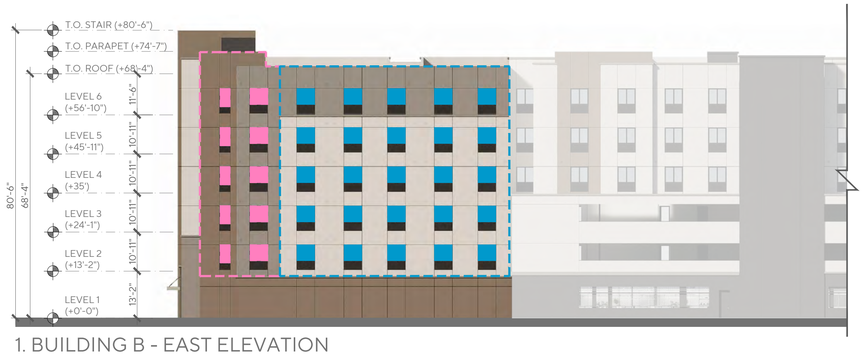
ALLOWABLE OPENINGS CALCULATIONS

1"=20'
0 20 40 60 80

AO

A1.11

JOB NO. 2025-1061
DATE 06-10-2026

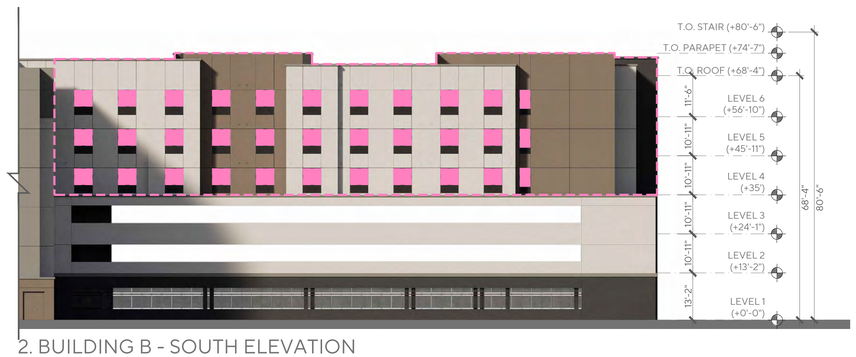


1. BUILDING B - EAST ELEVATION

MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	14'-11"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	3,759 SQ. FT.
TOTAL OPENINGS AREA	563 SQ. FT.
ALLOWABLE AREA PROVIDED	**15%**

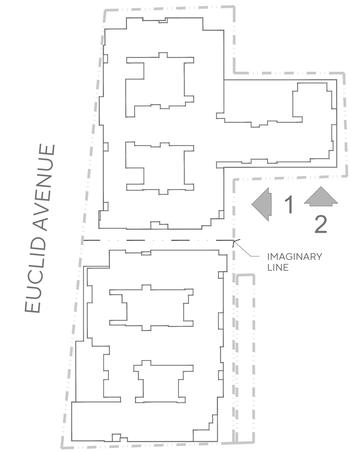
PINK AREA	
FIRE SEPARATION DISTANCE	22'-0"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	1,383 SQ. FT.
TOTAL OPENINGS AREA	185 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



2. BUILDING B - SOUTH ELEVATION

MAX. ALLOWABLE WALL OPENINGS

PINK AREA	
FIRE SEPARATION DISTANCE	22'-0"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	6,496 SQ. FT.
TOTAL OPENINGS AREA	719 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

ALLOWABLE OPENINGS CALCULATIONS

1"=20'
0 20 40 60 80

AO

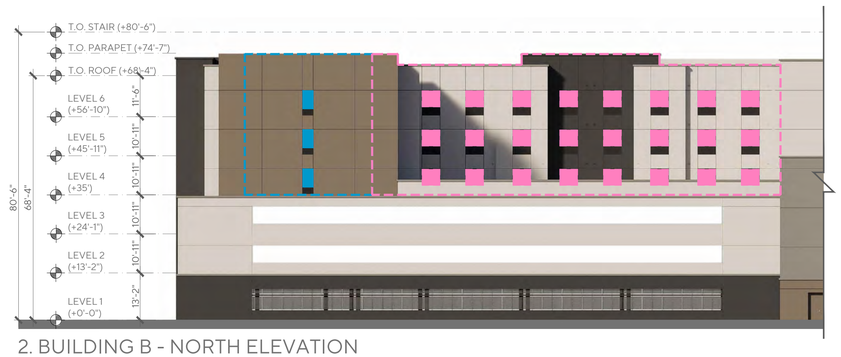
A1.12

JOB NO. 2025-1061
DATE 06-10-2026

1. BUILDING B - EAST ELEVATION

MAX. ALLOWABLE WALL OPENINGS

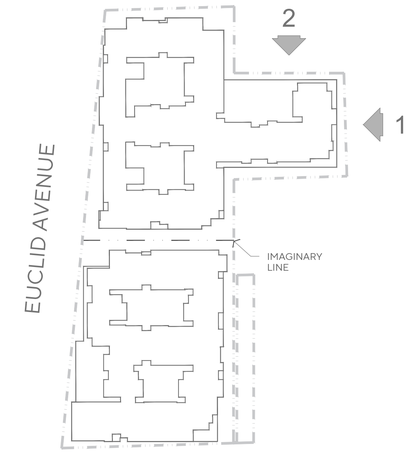
GREEN AREA	
FIRE SEPARATION DISTANCE	18'-11"
MAX. ALLOWABLE AREA	**75%**
TOTAL EXTERIOR WALL AREA	1,496 SQ. FT.
TOTAL OPENINGS AREA	203 SQ. FT.
ALLOWABLE AREA PROVIDED	**13.6%**
PINK AREA	
FIRE SEPARATION DISTANCE	20'-8"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	2,428 SQ. FT.
TOTAL OPENINGS AREA	338 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



2. BUILDING B - NORTH ELEVATION

MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	14'-10"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	1,400 SQ. FT.
TOTAL OPENINGS AREA	47 SQ. FT.
ALLOWABLE AREA PROVIDED	**3.4%**
PINK AREA	
FIRE SEPARATION DISTANCE	20'-8"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	2,485 SQ. FT.
TOTAL OPENINGS AREA	540 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

1"=20'
0 20 40 60 80

A1.13

JOB NO. 2025-1061
DATE 06-10-2026

1. BUILDING B - EAST ELEVATION

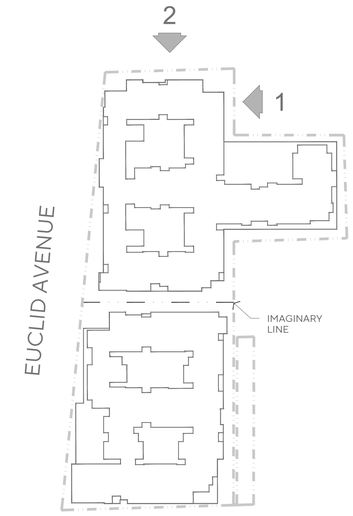
MAX. ALLOWABLE WALL OPENINGS

GREEN AREA	
FIRE SEPARATION DISTANCE	15'-3"
MAX. ALLOWABLE AREA	**75%**
TOTAL EXTERIOR WALL AREA	4,607 SQ. FT.
TOTAL OPENINGS AREA	675 SQ. FT.
ALLOWABLE AREA PROVIDED	**14.7%**

2. BUILDING B - NORTH ELEVATION

MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	12'-2"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	4,533 SQ. FT.
TOTAL OPENINGS AREA	635 SQ. FT.
ALLOWABLE AREA PROVIDED	**14%**
PINK AREA	
FIRE SEPARATION DISTANCE	20'-8"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	4,401 SQ. FT.
TOTAL OPENINGS AREA	210 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

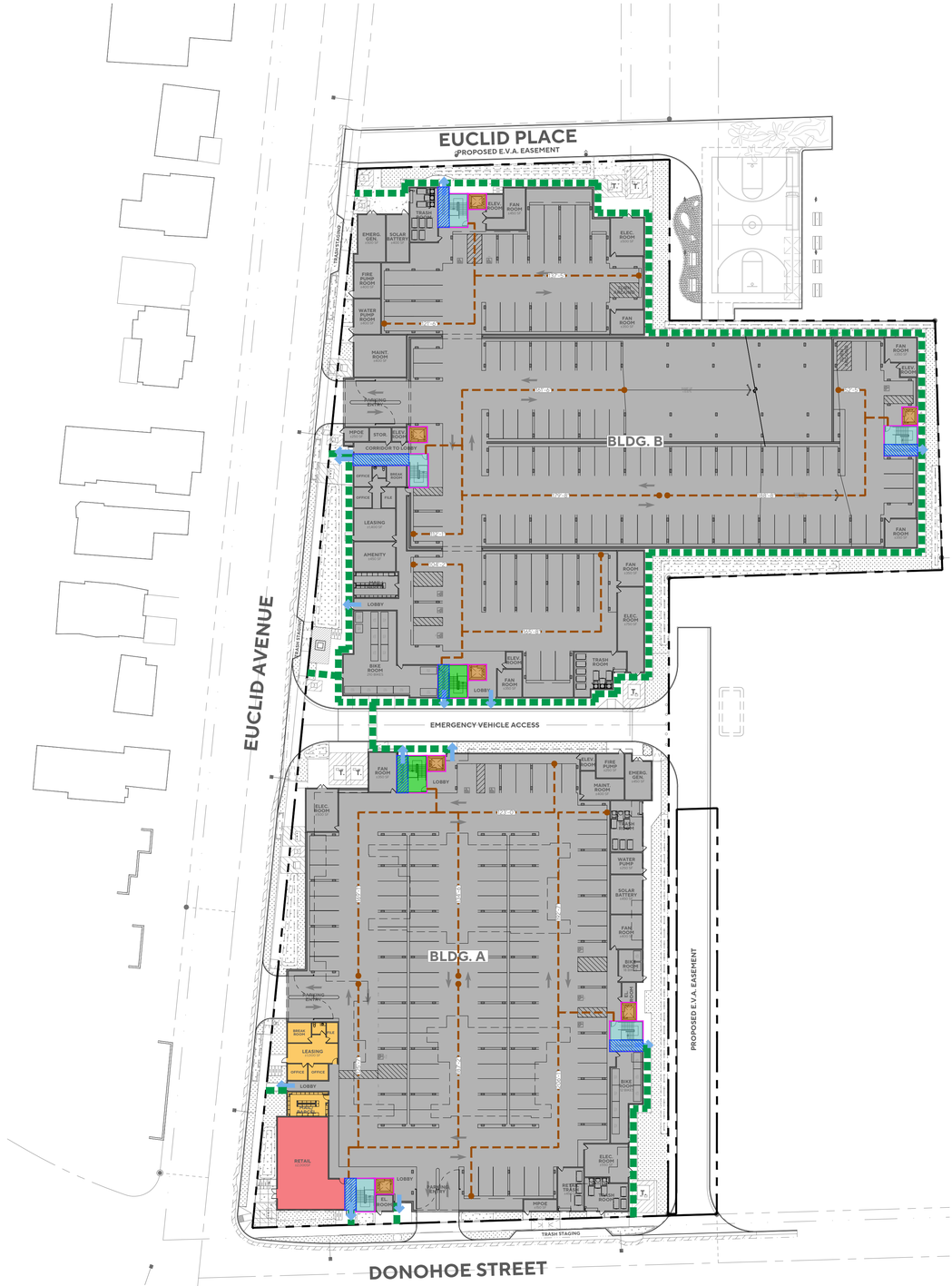
ALLOWABLE OPENINGS CALCULATIONS

1"=20'
0 20 40 60 80

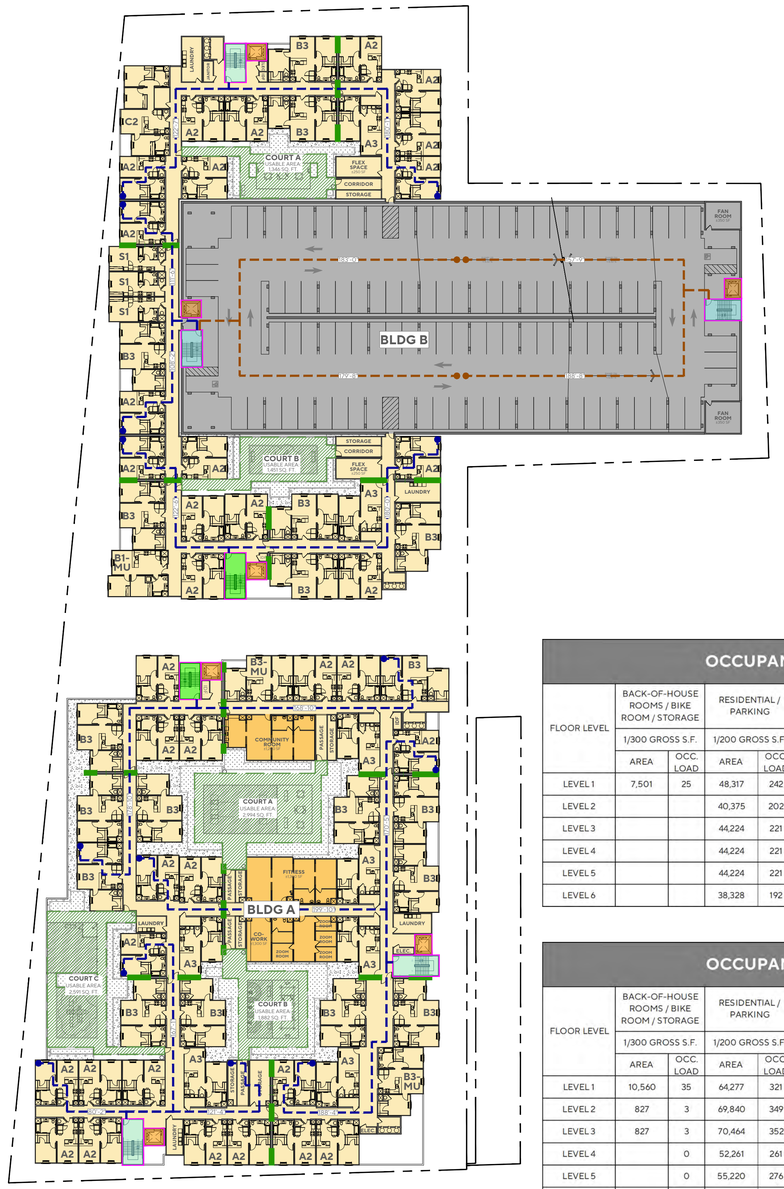
AO

A1.14

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 1



LEVEL 2

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- 2-HR FIRE RATED PASSAGE
- USABLE OPEN SPACE AREA
- FIRE WALL SEPARATION
- POINT OF EGRESS
- EGRESS PATH FROM PARKING STRUCTURE
- 250' MAX. EGRESS PATH DISTANCE
- ACCESSIBLE PATH OF TRAVEL

OCCUPANT LOAD CALCULATION - BUILDING A

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / FLEX / COURT YARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	7,501	25	48,317	242	1,528	10			2,074	69			346	6
LEVEL 2			40,375	202	1,313	9	1,313	26			8,693	580	816	3
LEVEL 3			44,224	221									221	3
LEVEL 4			44,224	221									221	3
LEVEL 5			44,224	221									221	3
LEVEL 6			38,328	192									192	3

OCCUPANT LOAD CALCULATION - BUILDING B

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / COURTYARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	10,560	35	64,277	321	1,829	12		0		0	503	34	402	7
LEVEL 2	827	3	69,840	349		0		0		0	3,422	228	580	4
LEVEL 3	827	3	70,464	352		0		0		0		0	355	4
LEVEL 4		0	52,261	261	909	6	1,025	21		0	9,763	651	939	4
LEVEL 5		0	55,220	276		0		0		0		0	276	4
LEVEL 6		0	43,739	219		0		0		0		0	219	4

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

EGRESS PLANS

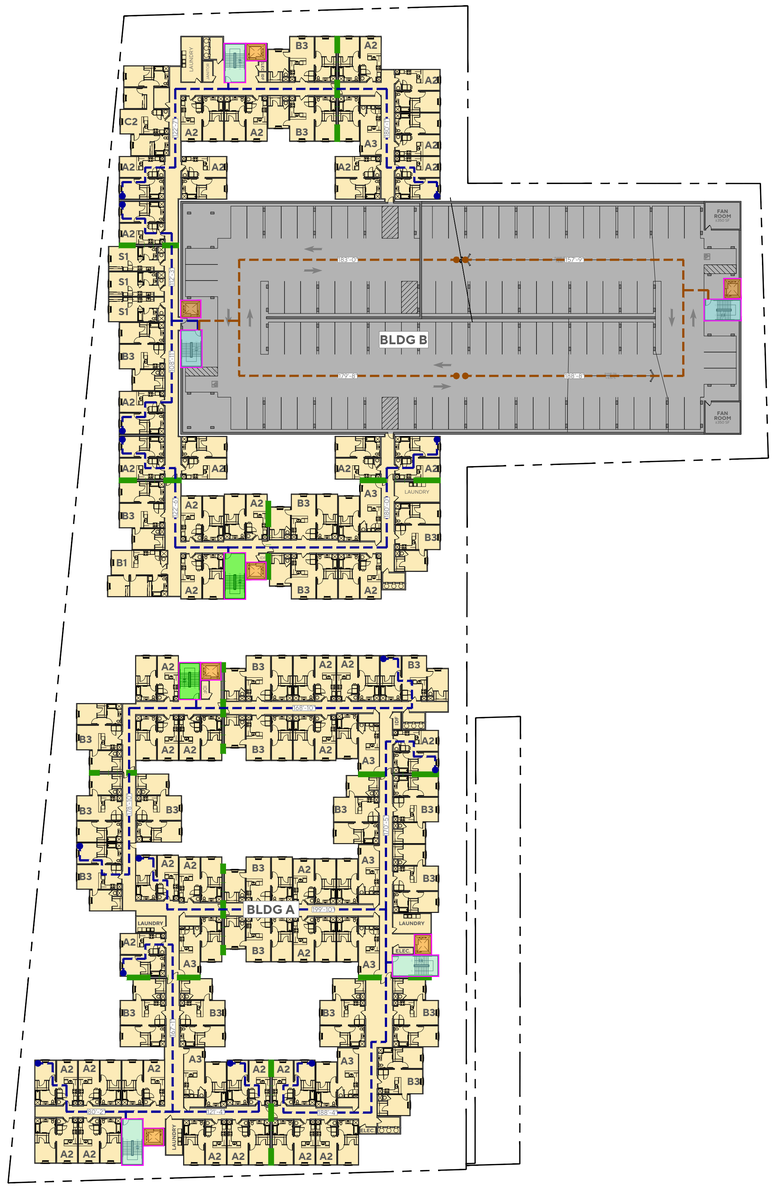
NORTH

0 40' 80' 120' 160' 1"=40'

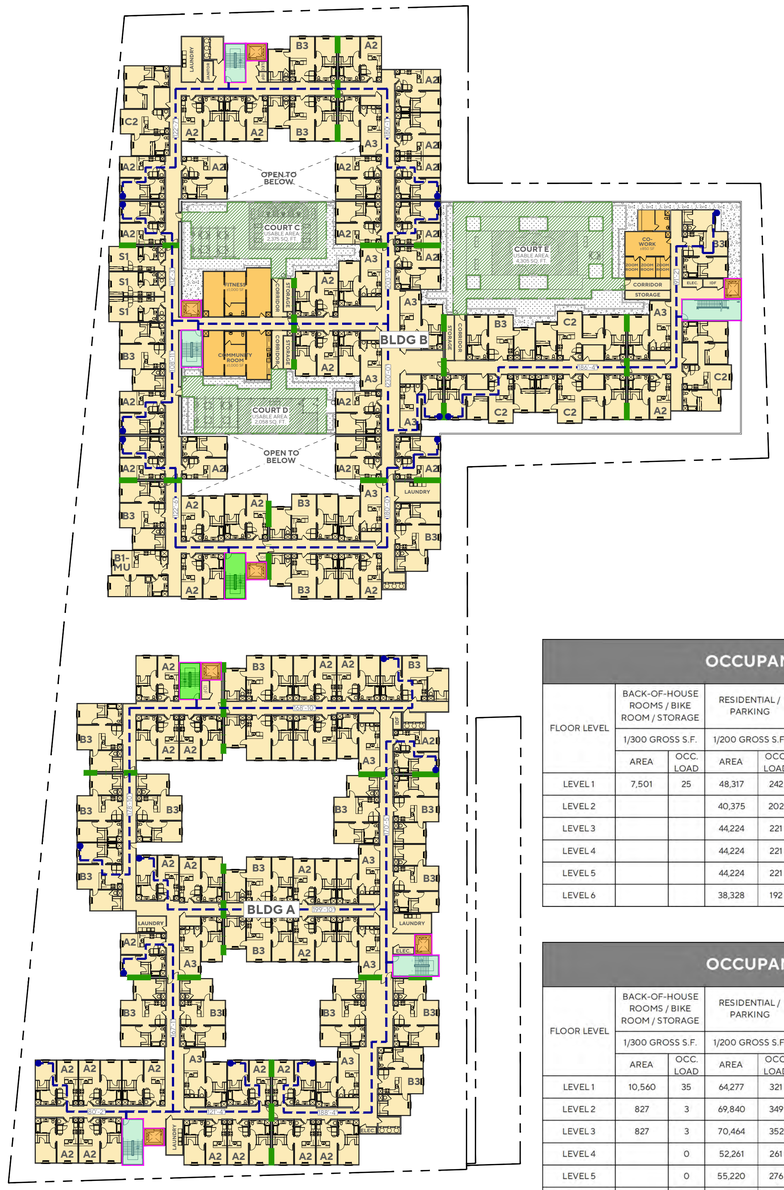
AO

A1.15

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 3



LEVEL 4

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- 2-HR FIRE RATED PASSAGE
- USABLE OPEN SPACE AREA
- FIRE WALL SEPARATION
- POINT OF EGRESS
- EGRESS PATH FROM PARKING STRUCTURE
- 250' MAX. EGRESS PATH DISTANCE
- ACCESSIBLE PATH OF TRAVEL

OCCUPANT LOAD CALCULATION - BUILDING A

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / FLEX / COURT YARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	7,501	25	48,317	242	1,528	10			2,074	69			346	6
LEVEL 2			40,375	202	1,313	9	1,313	26			8,693	580	816	3
LEVEL 3			44,224	221									221	3
LEVEL 4			44,224	221									221	3
LEVEL 5			44,224	221									221	3
LEVEL 6			38,328	192									192	3

OCCUPANT LOAD CALCULATION - BUILDING B

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / COURTYARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	10,560	35	64,277	321	1,829	12		0		0	503	34	402	7
LEVEL 2	827	3	69,840	349		0		0		0	3,422	228	580	4
LEVEL 3	827	3	70,464	352		0		0		0		0	355	4
LEVEL 4		0	52,261	261	909	6	1,025	21		0	9,763	651	939	4
LEVEL 5		0	55,220	276		0		0		0		0	276	4
LEVEL 6		0	43,739	219		0		0		0		0	219	4

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

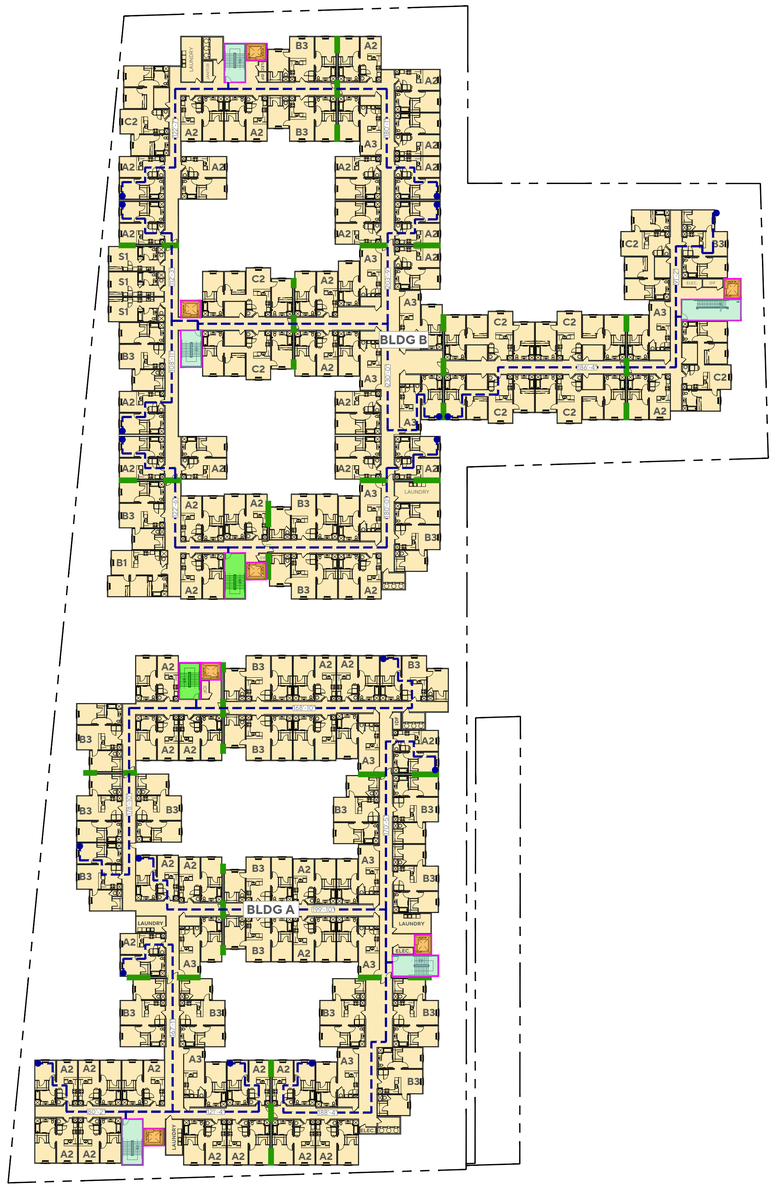
EGRESS PLANS

1"=40'

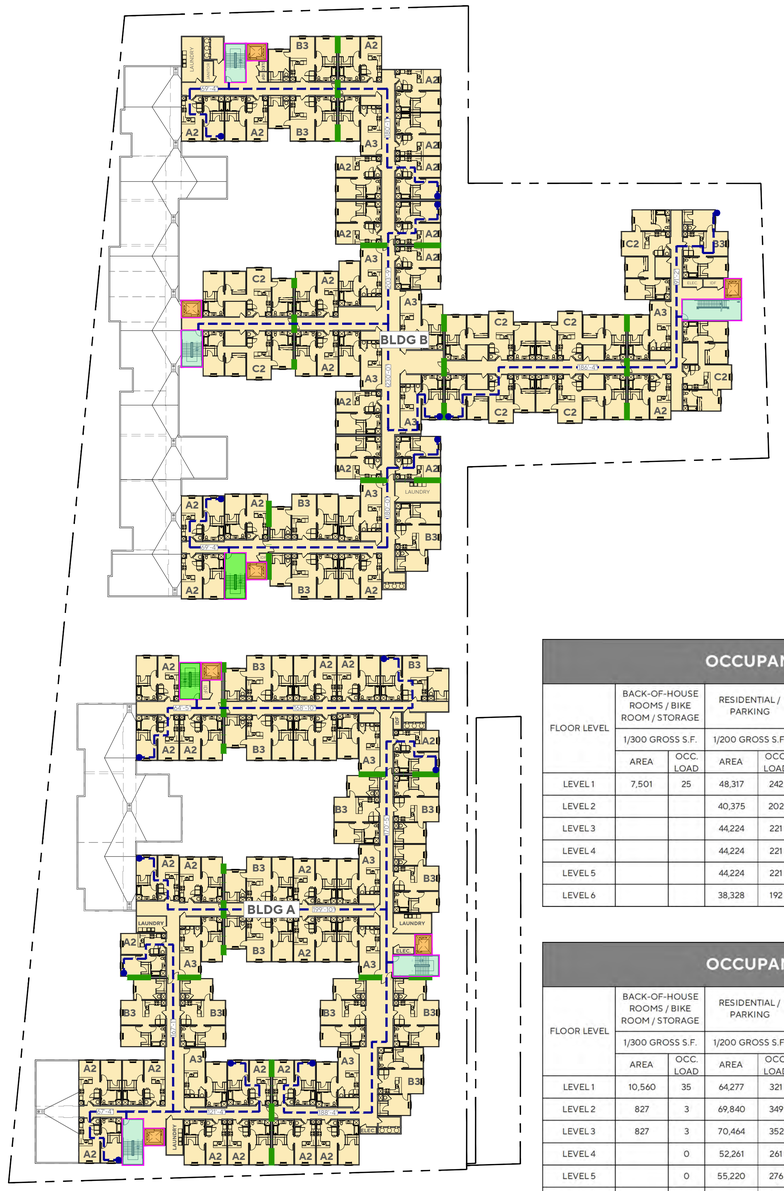
0 40' 80' 120' 160'

A1.16

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 5



LEVEL 6

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- 2-HR FIRE RATED PASSAGE
- USABLE OPEN SPACE AREA
- FIRE WALL SEPARATION
- POINT OF EGRESS
- EGRESS PATH FROM PARKING STRUCTURE
- 250' MAX. EGRESS PATH DISTANCE
- ACCESSIBLE PATH OF TRAVEL

OCCUPANT LOAD CALCULATION - BUILDING A

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / FLEX / COURT YARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	7,501	25	48,317	242	1,528	10			2,074	69			346	6
LEVEL 2			40,375	202	1,313	9	1,313	26			8,693	580	816	3
LEVEL 3			44,224	221									221	3
LEVEL 4			44,224	221									221	3
LEVEL 5			44,224	221									221	3
LEVEL 6			38,328	192									192	3

OCCUPANT LOAD CALCULATION - BUILDING B

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / COURTYARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	10,560	35	64,277	321	1,829	12		0		0	503	34	402	7
LEVEL 2	827	3	69,840	349		0		0		0	3,422	228	580	4
LEVEL 3	827	3	70,464	352		0		0		0		0	355	4
LEVEL 4		0	52,261	261	909	6	1,025	21		0	9,763	651	939	4
LEVEL 5		0	55,220	276		0		0		0		0	276	4
LEVEL 6		0	43,739	219		0		0		0		0	219	4

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

EGRESS PLANS

1"=40'

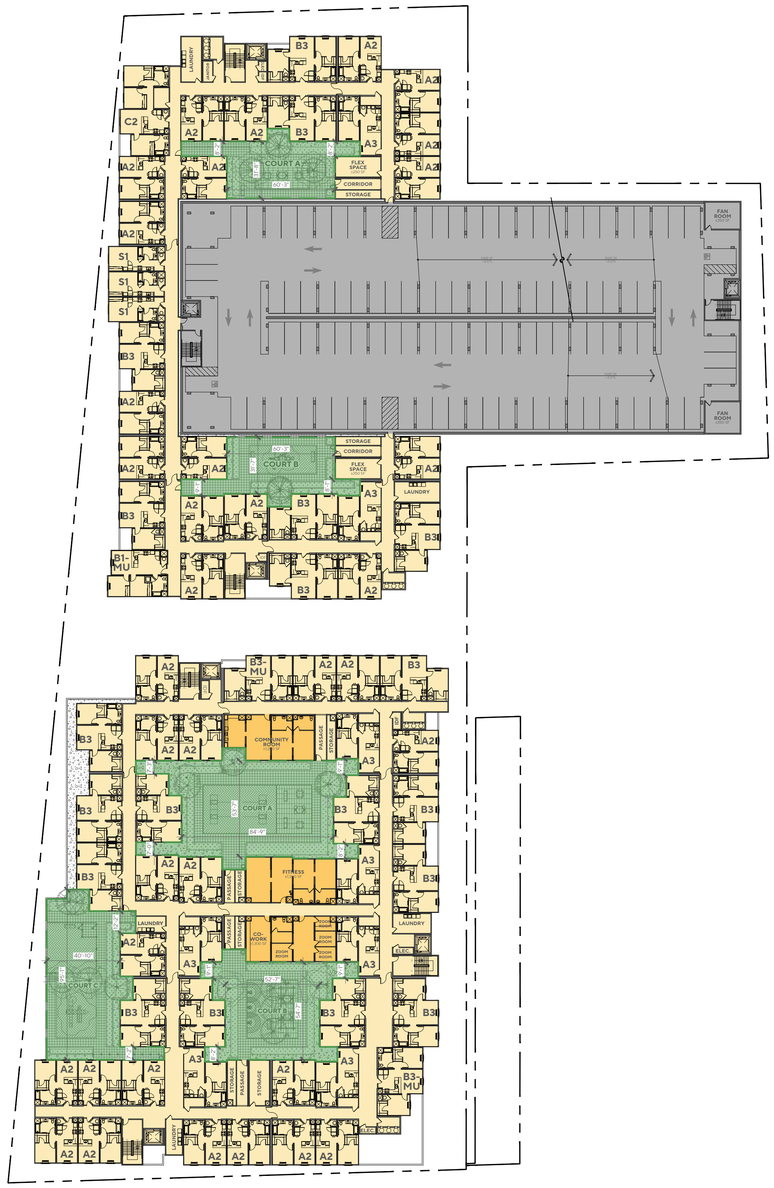
0 40' 80' 120' 160'

A1.17

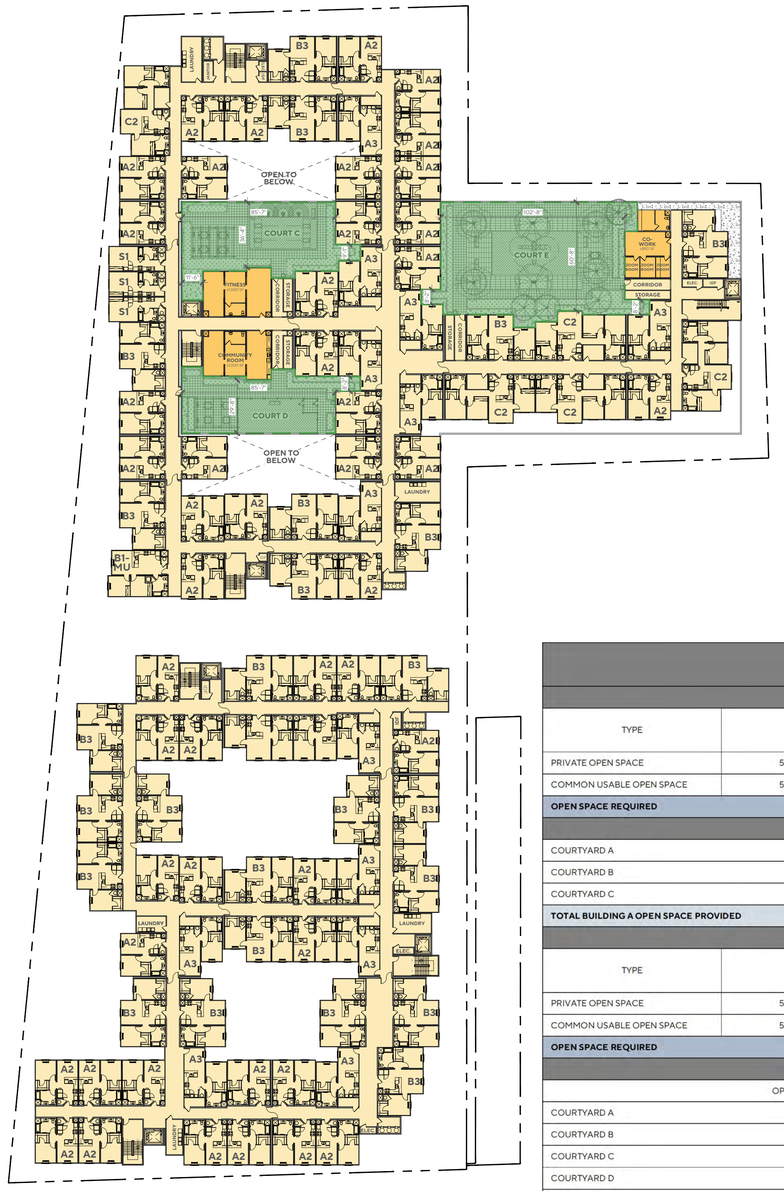
JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

COMMON OPEN SPACE



LEVEL 2



LEVEL 4

OPEN SPACE SUMMARY

OPEN SPACE REQUIRED - BUILDING A			
TYPE	MIN. AREA REQUIRED	TOTAL UNITS	TOTAL AREA REQUIRED
PRIVATE OPEN SPACE	50 SF/DU	220	11,000 SF
COMMON USABLE OPEN SPACE	50 SF/DU		11,000 SF
OPEN SPACE REQUIRED			**22,000 SF**

OPEN SPACE PROVIDED - BUILDING A	
COURTYARD A	5,525
COURTYARD B	3,642
COURTYARD C	3,994
TOTAL BUILDING A OPEN SPACE PROVIDED	**13,161**

OPEN SPACE REQUIRED - BUILDING B			
TYPE	MIN. AREA REQUIRED	TOTAL UNITS	TOTAL AREA REQUIRED
PRIVATE OPEN SPACE	50 SF/DU	210	10,500 SF
COMMON USABLE OPEN SPACE	50 SF/DU		10,500 SF
OPEN SPACE REQUIRED			**21,000 SF**

OPEN SPACE PROVIDED - BUILDING B	
OPEN SPACE TYPE	TOTAL AREA PROVIDED
COURTYARD A	2,319
COURTYARD B	2,354
COURTYARD C	3,635
COURTYARD D	2,913
COURTYARD E	6,861
TOTAL BUILDING B OPEN SPACE PROVIDED	**18,082**
TOTAL OPEN SPACE PROVIDED (BUILDING A + BUILDING B)	**31,243**

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

OPEN SPACE PLANS

NORTH

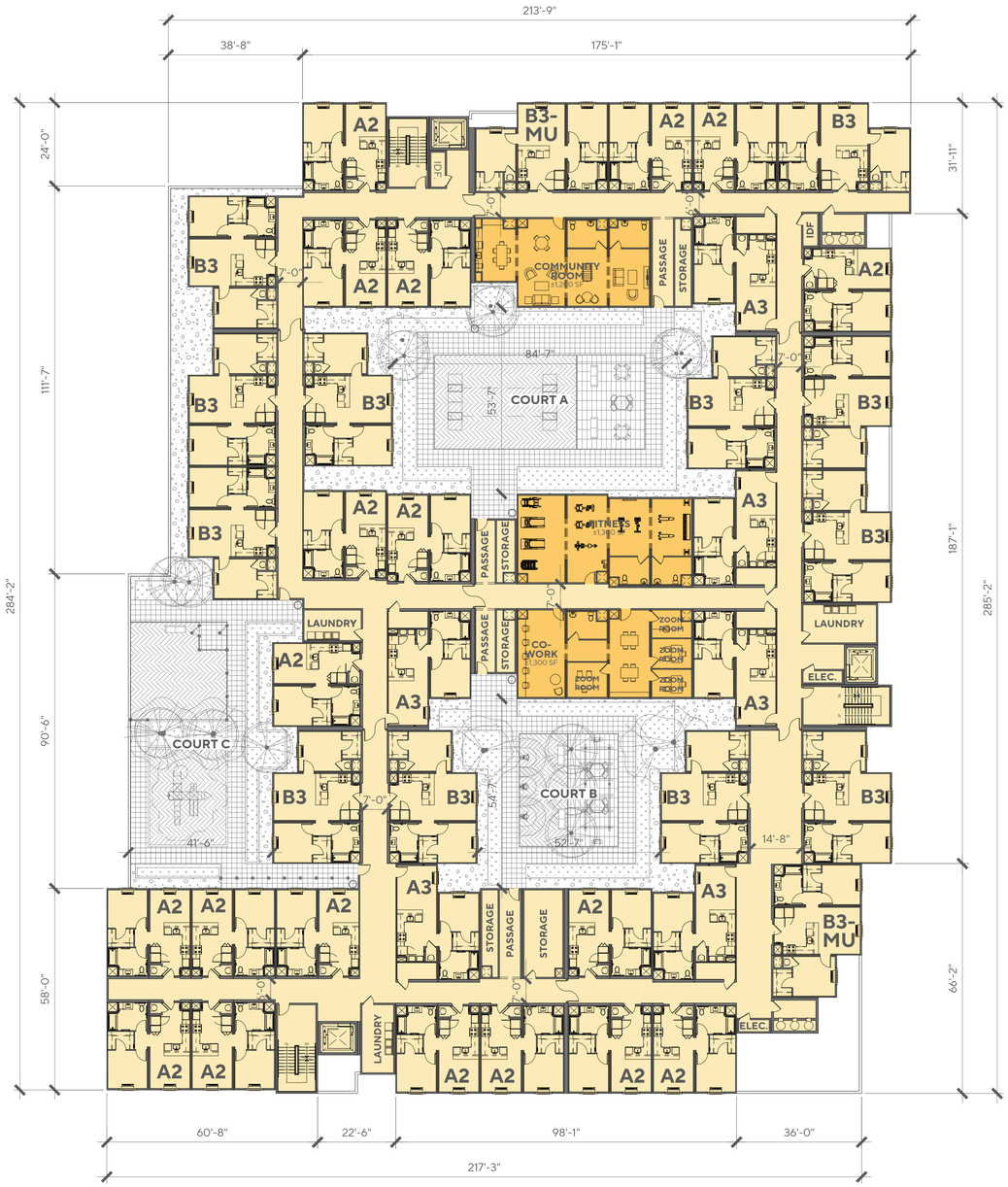
0 40' 80' 120' 160' 1"=40'

AO

A1.18

JOB NO. 2025-1061
DATE 06-10-2026

LEVEL 1



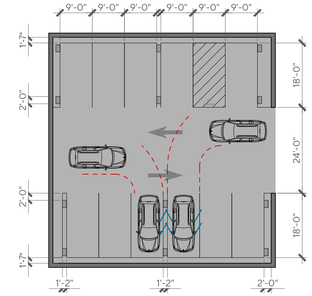
LEVEL 2

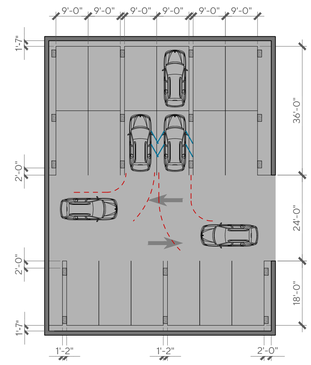
LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- PARKING CIRCULATION

PARKING DESIGN STANDARDS

SCALE: 1" = 20'





PARKING DIMENSIONS PER §18.60.090
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
DRIVE AISLE WIDTH – 24'-0"

PARKING DIMENSIONS PROVIDED
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
TANDEM STALL – 9'-0" X 36'-0"
DRIVE AISLE WIDTH – 24'-0"

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A FLOOR PLANS - LEVELS 1-2

NORTH

1"=20'

0 20' 40' 60' 80'

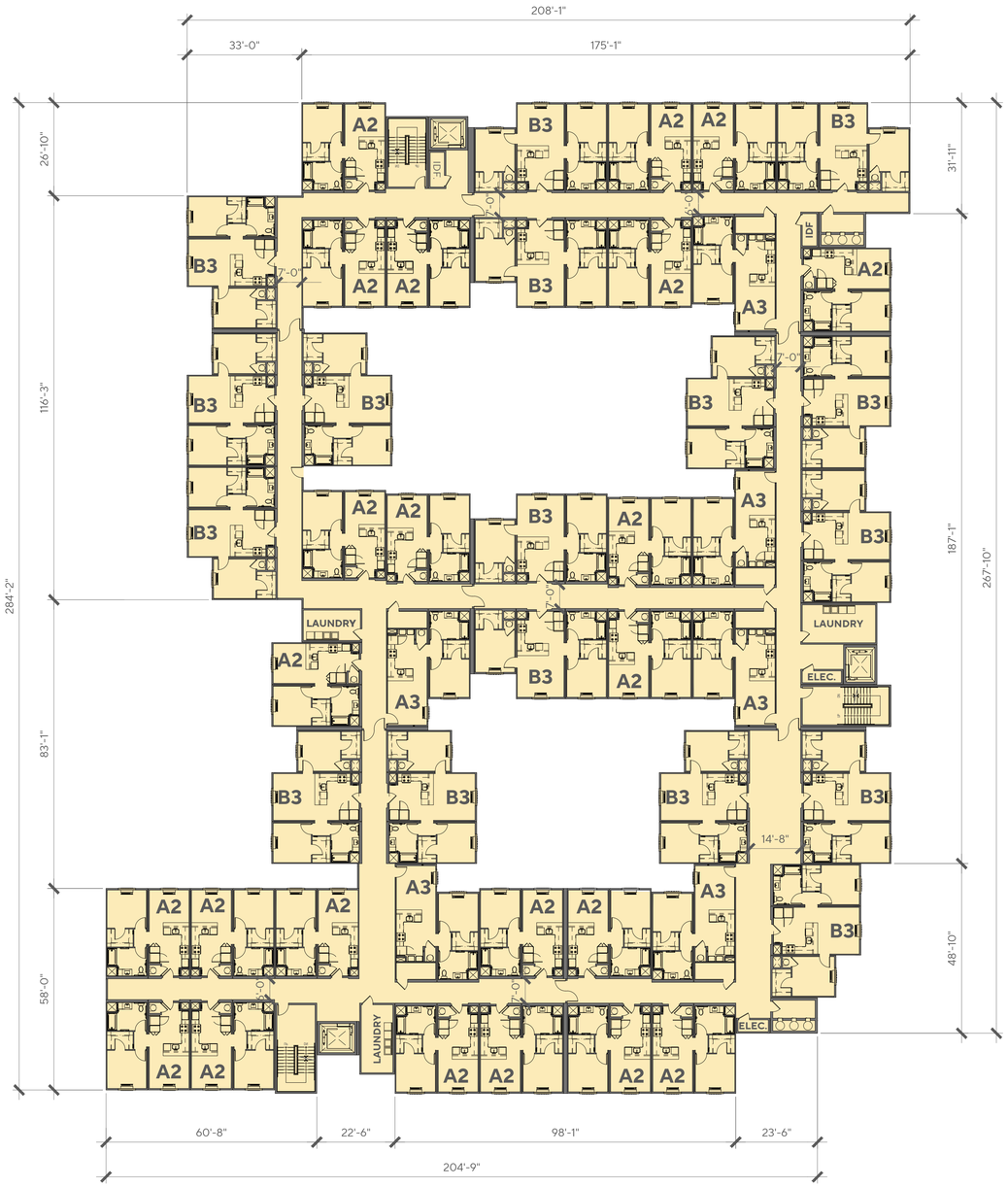
AO

A2.0

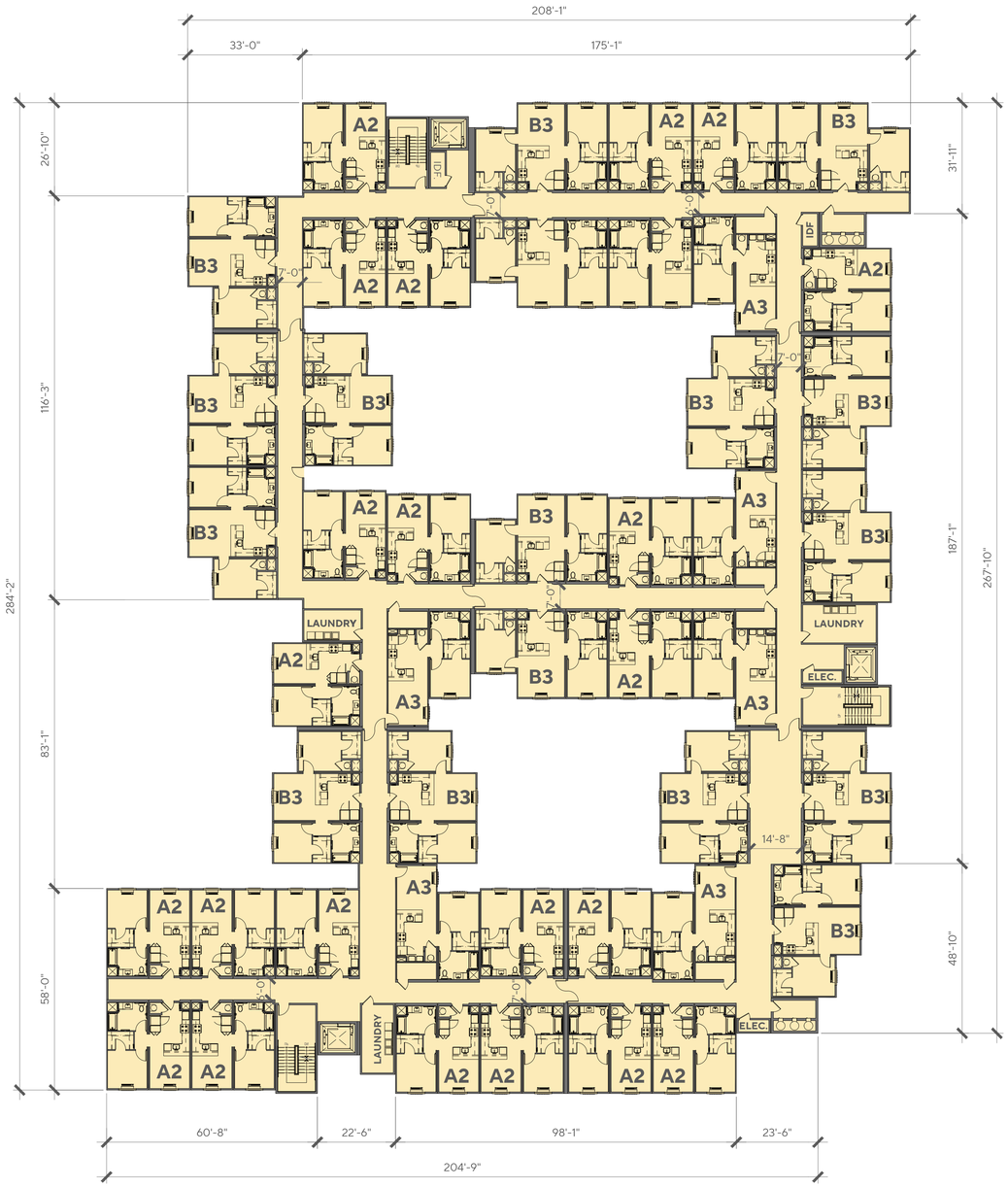
JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING



LEVEL 3



LEVEL 4

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A FLOOR PLANS - LEVEL 3-4

NORTH

1"=20'

0 20' 40' 60' 80'

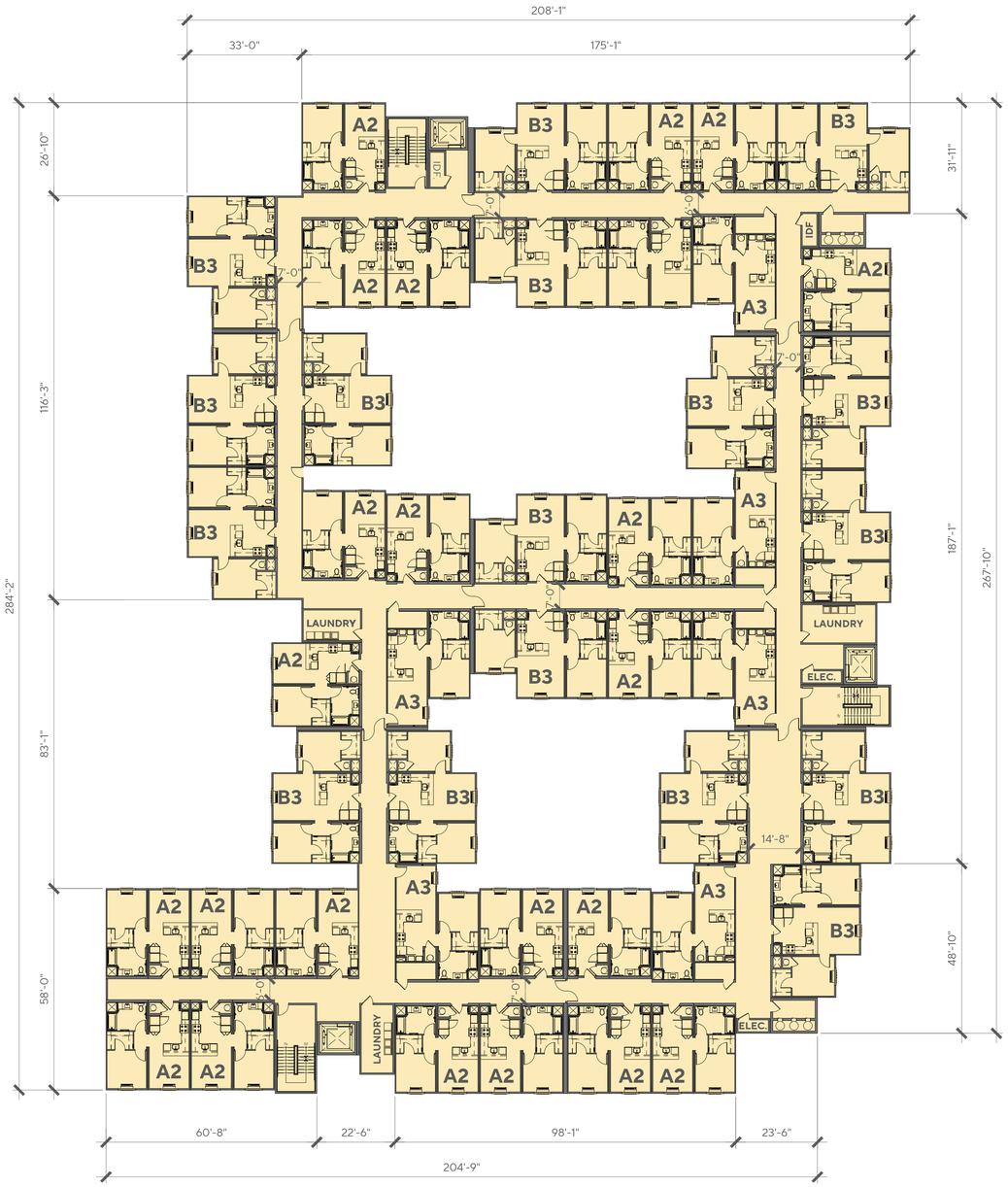
AO

A2.1

JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING



LEVEL 5

LEVEL 6

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A FLOOR PLANS - LEVEL 5-6

NORTH

1"=20'

0 20' 40' 60' 80'

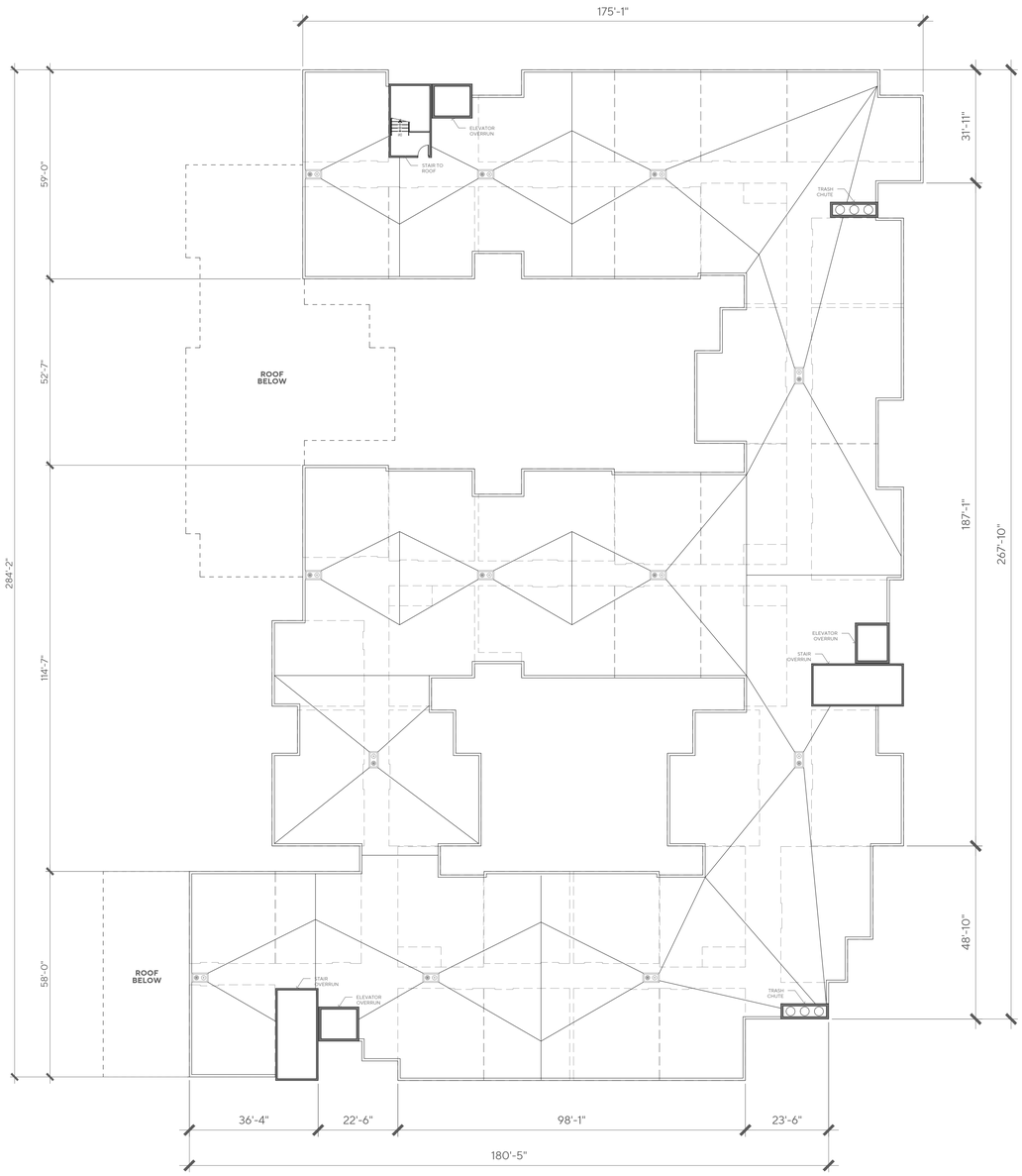
AO

A2.2

JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING



ROOF PLAN

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A FLOOR PLANS - ROOF PLAN

NORTH

0 20' 40' 60' 80'

1"=20'

AO

A2.3

JOB NO. 2025-1061
DATE 06-10-2026

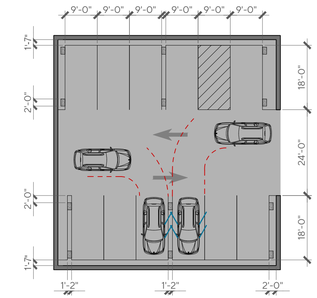
LEVEL 1

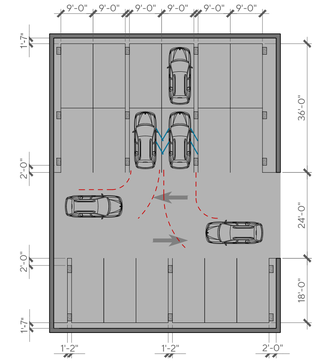
LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- PARKING
- PARKING CIRCULATION

PARKING DESIGN STANDARDS

SCALE: 1" = 20'





PARKING DIMENSIONS PER §18.60.090
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
DRIVE AISLE WIDTH – 24'-0"

PARKING DIMENSIONS PROVIDED
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
TANDEM STALL – 9'-0" X 36'-0"
DRIVE AISLE WIDTH – 24'-0"

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B FLOOR PLANS - LEVEL 1

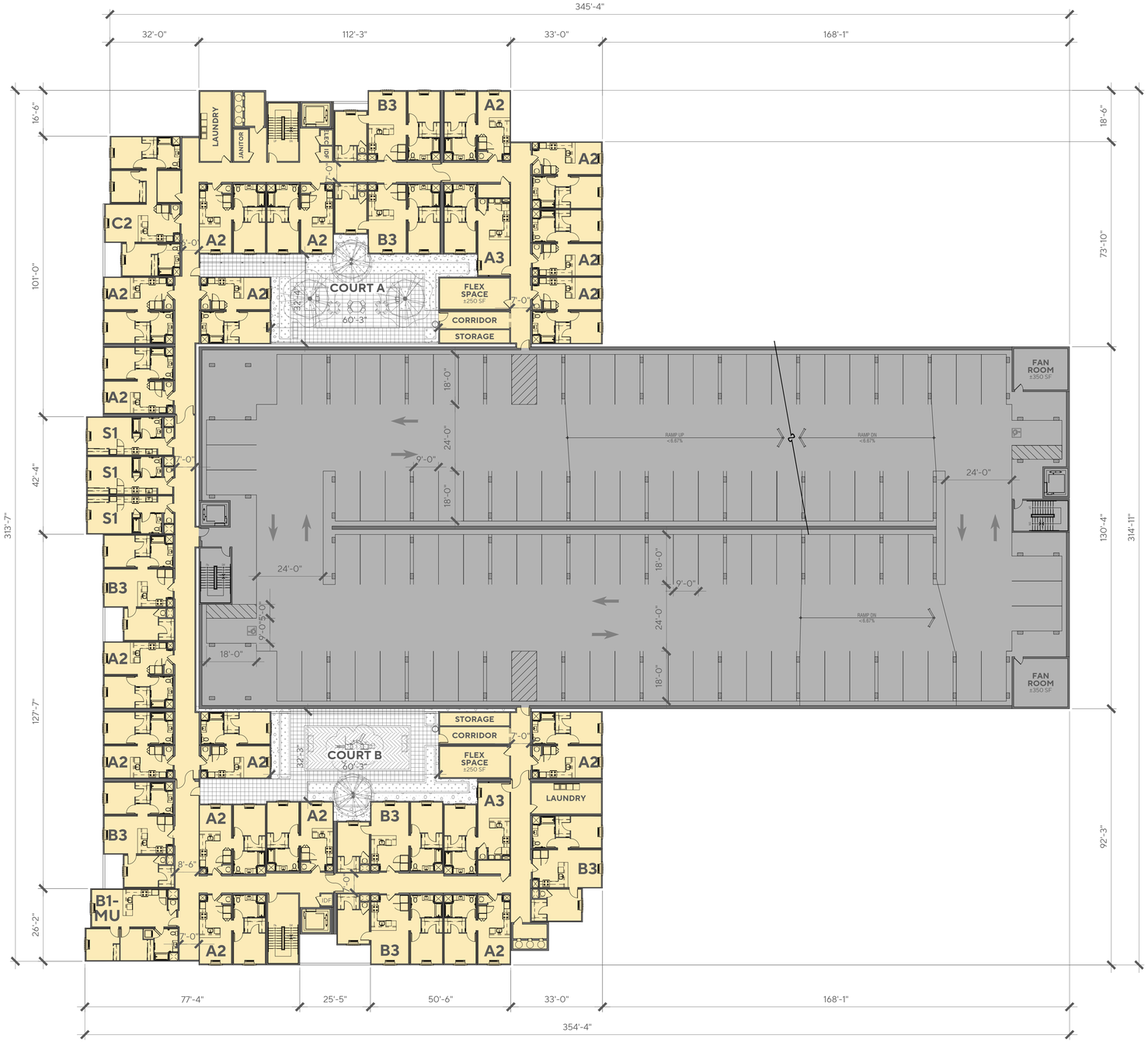
NORTH

0 20' 40' 60' 80' 1"=20'

AO

A2.4

JOB NO. 2025-1061
DATE 06-10-2026



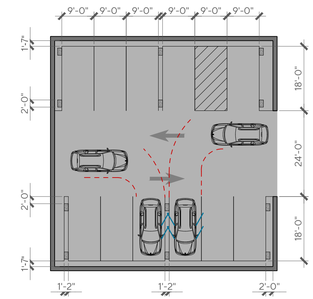
LEVEL 2

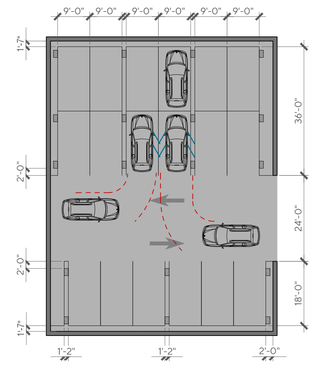
LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- PARKING
- PARKING CIRCULATION

PARKING DESIGN STANDARDS

SCALE: 1" = 20'





PARKING DIMENSIONS PER §18.60.090
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
DRIVE AISLE WIDTH – 24'-0"

PARKING DIMENSIONS PROVIDED
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
TANDEM STALL – 9'-0" X 36'-0"
DRIVE AISLE WIDTH – 24'-0"

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B FLOOR PLANS - LEVEL 2

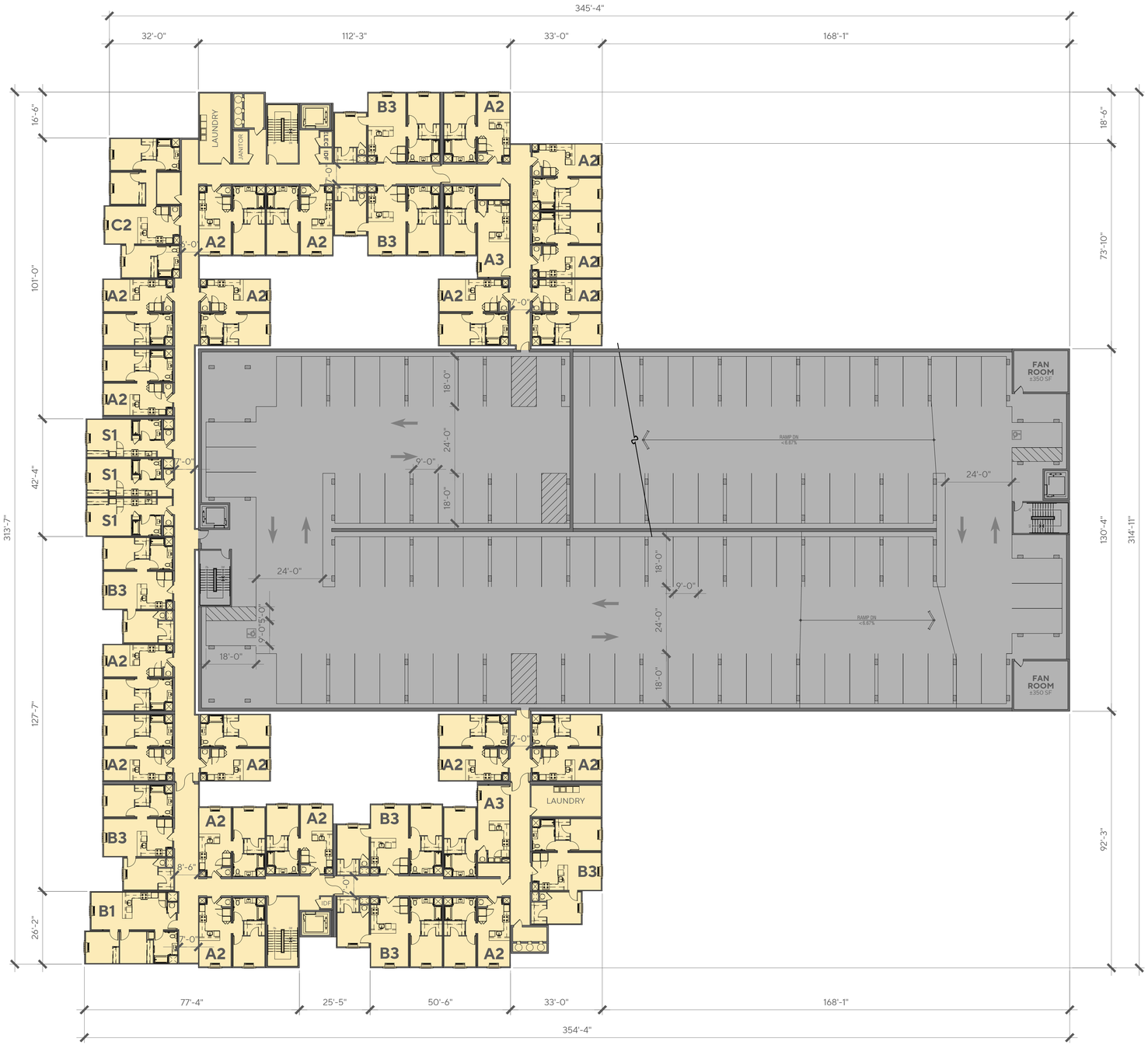
NORTH

0 20' 40' 60' 80' 1"=20'

AO

A2.5

JOB NO. 2025-1061
DATE 06-10-2026



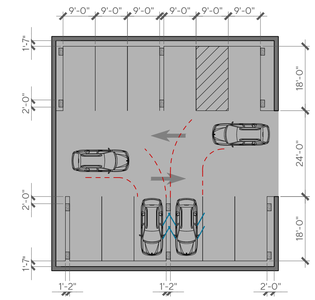
LEVEL 3

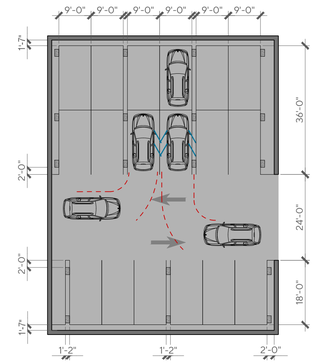
LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- PARKING
- PARKING CIRCULATION

PARKING DESIGN STANDARDS

SCALE: 1" = 20'





PARKING DIMENSIONS PER §18.60.090
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
DRIVE AISLE WIDTH – 24'-0"

PARKING DIMENSIONS PROVIDED
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
TANDEM STALL – 9'-0" X 36'-0"
DRIVE AISLE WIDTH – 24'-0"

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B FLOOR PLANS - LEVEL 3

NORTH

1"=20'
0 20 40 60 80

AO

A2.6

JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- PARKING

LEVEL 4

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B FLOOR PLANS - LEVEL 4

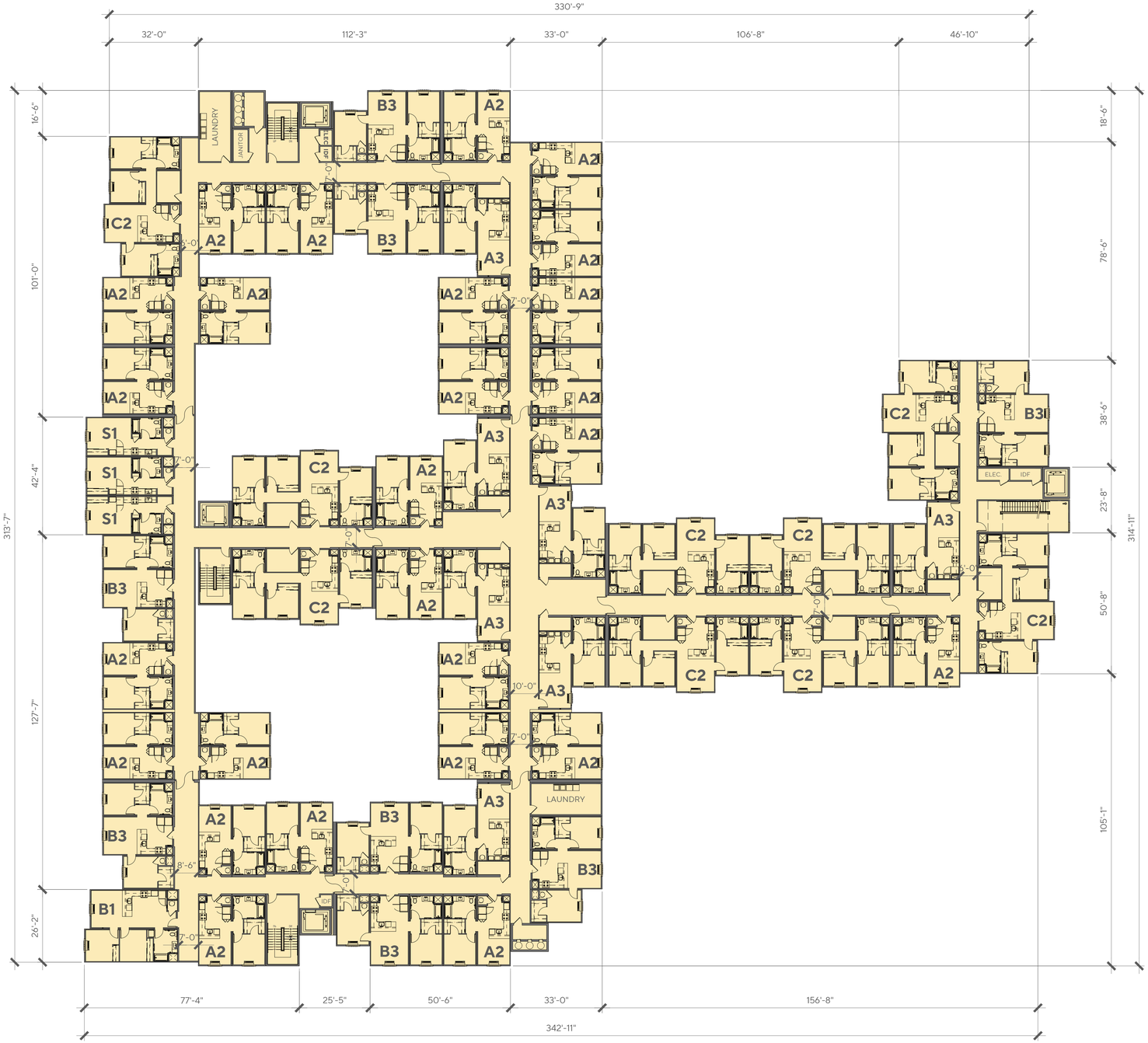
1"=20'

A2.7

JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- PARKING



LEVEL 5

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B FLOOR PLAN - LEVEL 5

NORTH

0 20' 40' 60' 80' 1"=20'

A2.8

JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- PARKING

LEVEL 6

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B FLOOR PLANS - LEVEL 6

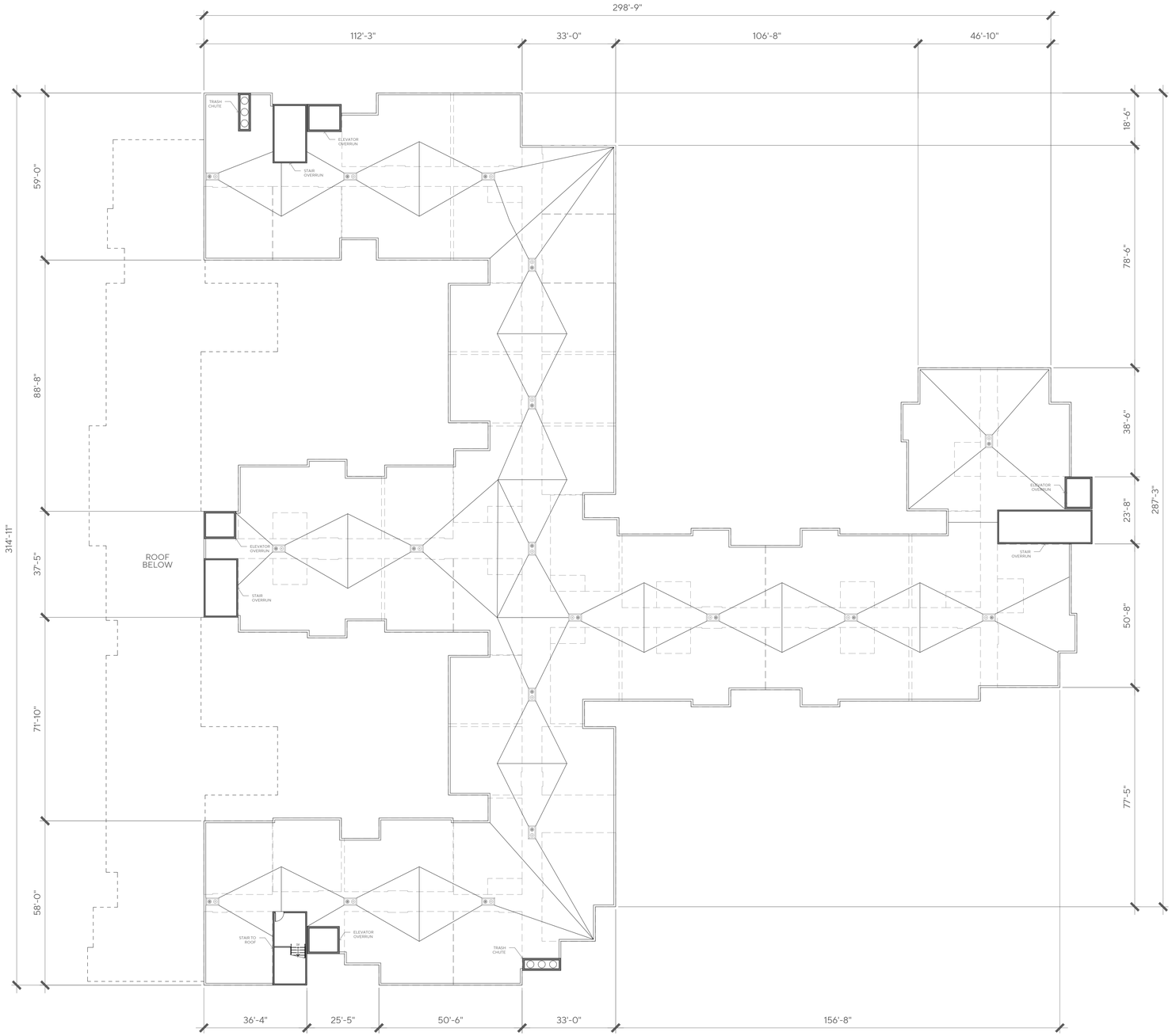
1"=20'

JOB NO. 2025-1061
DATE 06-10-2026

A2.9

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- PARKING



ROOF PLAN

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B FLOOR PLANS - ROOF PLAN

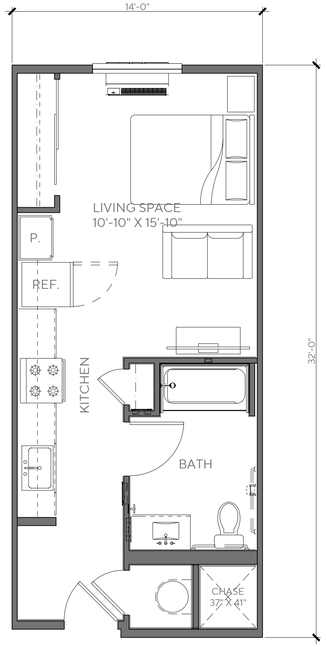
NORTH

1"=20'

0 20' 40' 60' 80'

A2.10

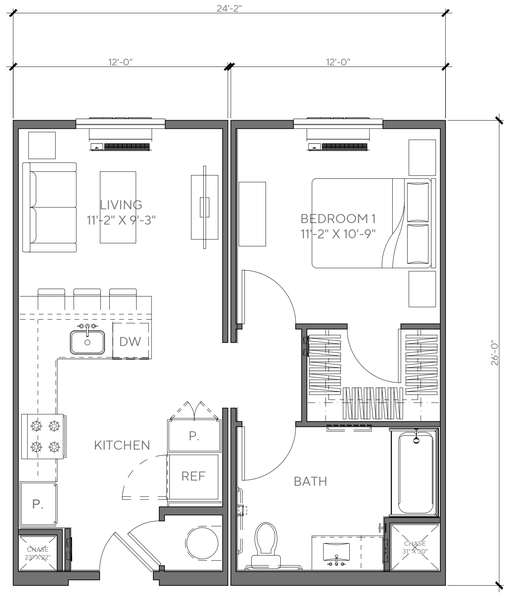
JOB NO. 2025-1061
DATE 06-10-2026



UNIT S1

STUDIO - 1 BATH

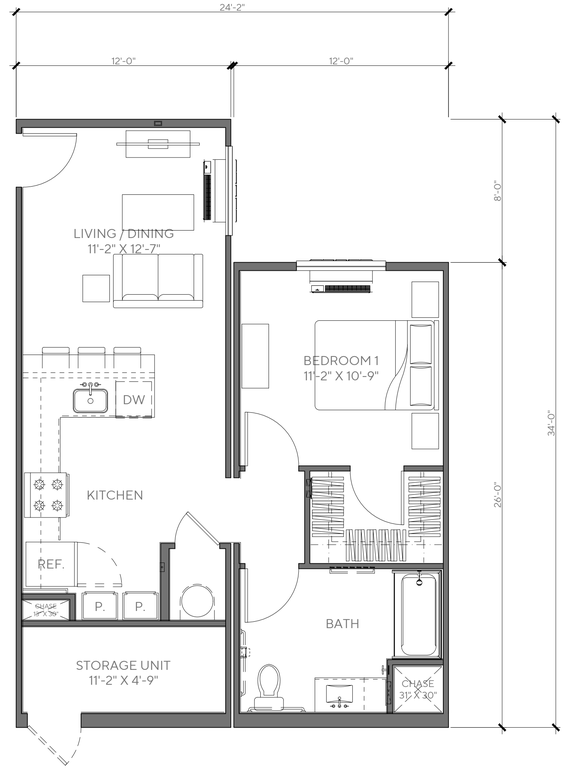
UNIT AREA: 429 SQ. FT.



UNIT A2

1 BED - 1 BATH

UNIT AREA: 601 SQ. FT.



UNIT A3

1 BED - 1 BATH

UNIT AREA: 635 SQ. FT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

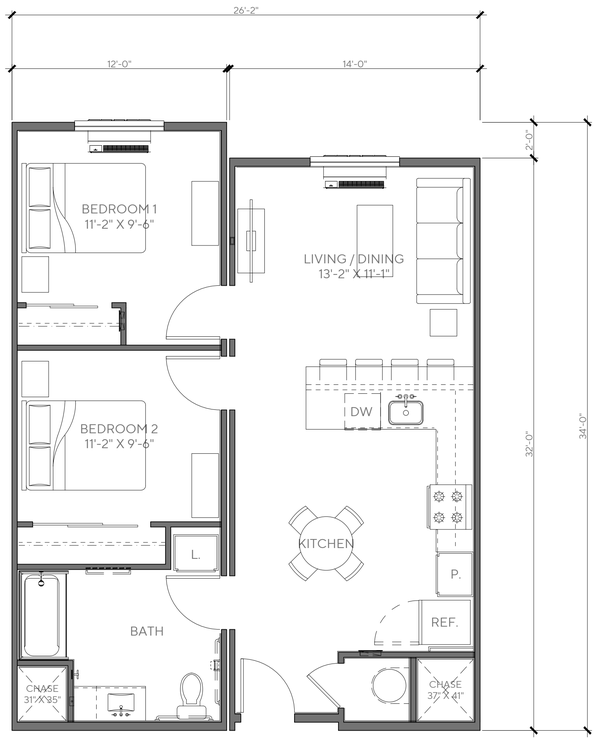
UNIT PLANS

1"=4'

0 4 8 12 16

A3.0

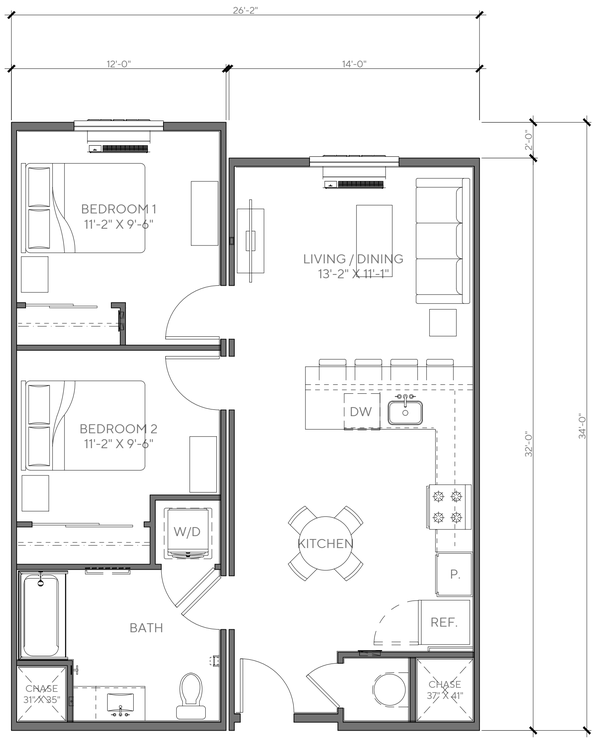
JOB NO. 2025-1061
DATE 06-10-2026



UNIT B1

2 BED - 1 BATH

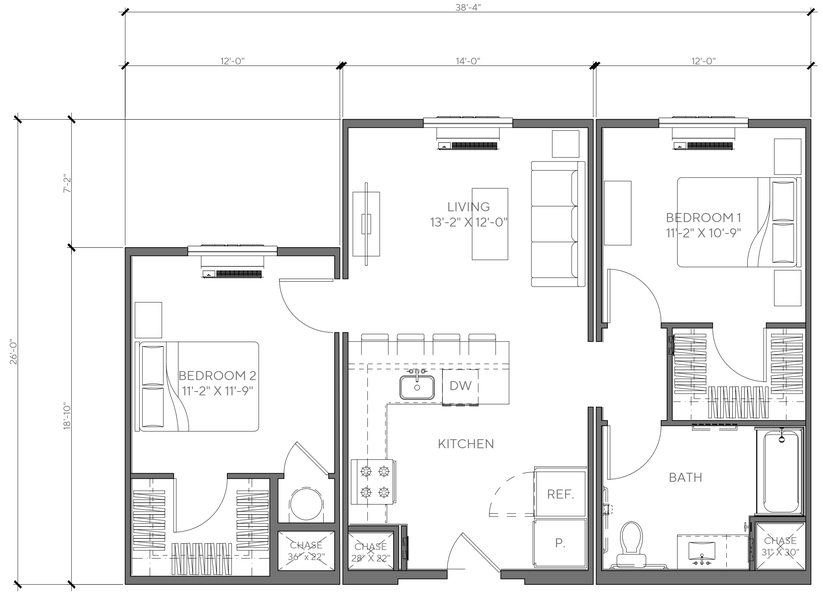
UNIT AREA: 825 SQ. FT.



UNIT B1-MU

2 BED - 1 BATH

UNIT AREA: 825 SQ. FT.



UNIT B3

2 BED - 1 BATH

UNIT AREA: 861 SQ. FT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

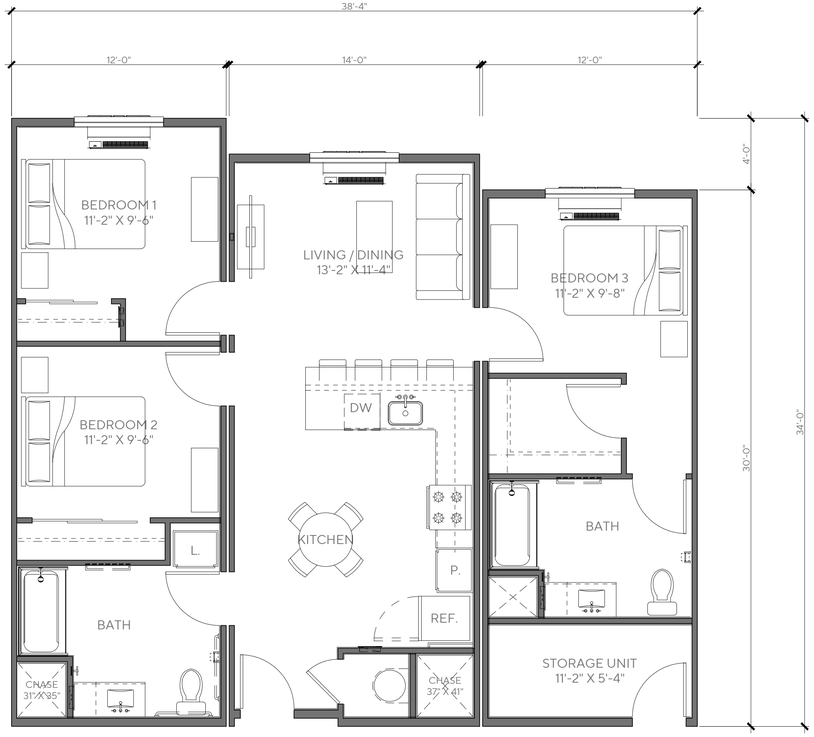
UNIT PLANS

1"=4'

0 4 8 12 16

A3.1

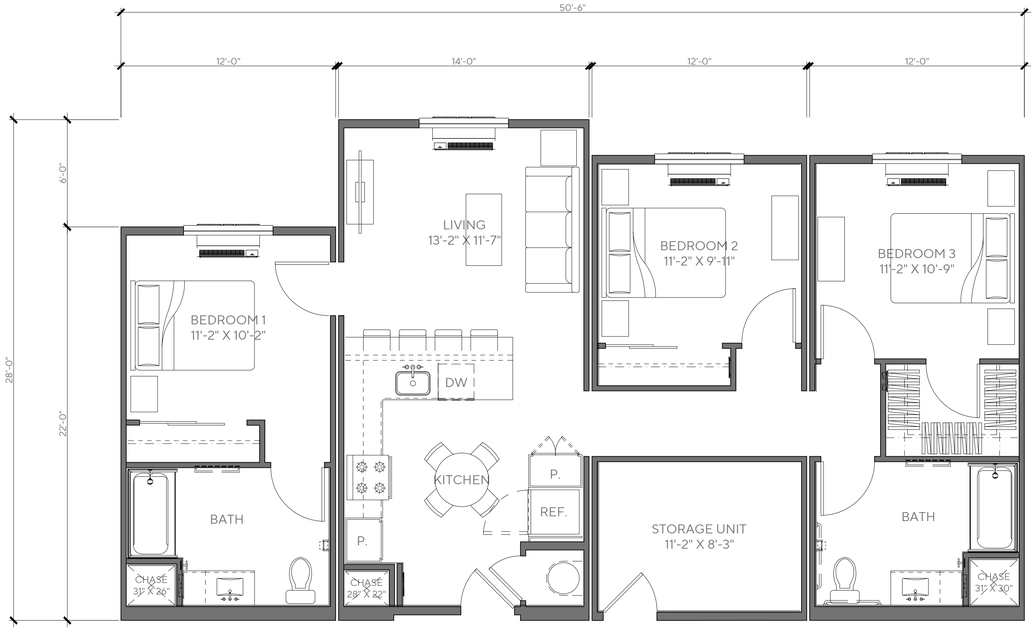
JOB NO. 2025-1061
DATE 06-10-2026



UNIT C1

3 BED - 2 BATH

UNIT AREA: 1104 SQ. FT.



UNIT C2

3 BED - 2 BATH

UNIT AREA: 1131 SQ. FT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

UNIT PLANS

1"=4'

0 4 8 12 16

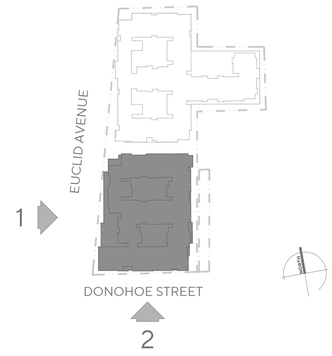
AO

A3.2

JOB NO. 2025-1061
DATE 06-10-2026

1. WEST ELEVATION - EUCLID AVENUE

2. SOUTH ELEVATION - DONOHOE STREET



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A ELEVATIONS - WEST & SOUTH

1"=20'
0 20 40 60 80

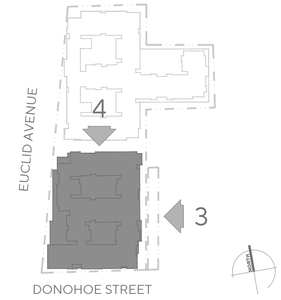
AO

A4.0

JOB NO. 2025-1061
DATE 06-10-2026

3. EAST ELEVATION

4. NORTH ELEVATION



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A ELEVATIONS - EAST & NORTH

1"=20'
0 20 40 60 80

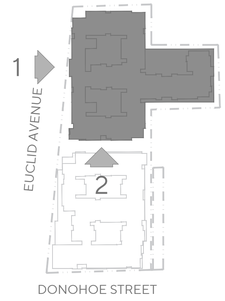
AO

A4.1

JOB NO. 2025-1061
DATE 06-10-2026

1. WEST ELEVATION - EUCLID AVENUE

2. SOUTH ELEVATION



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B ELEVATIONS - WEST & SOUTH

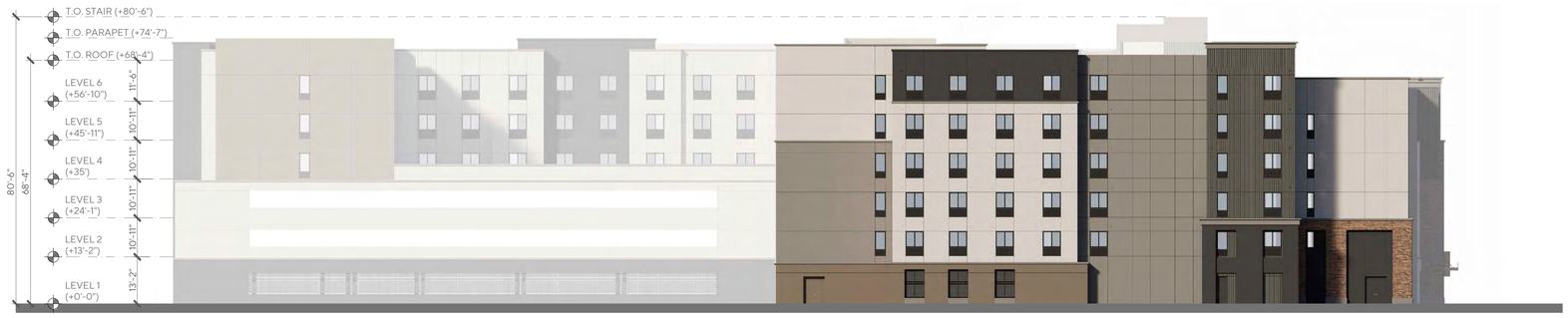
1"=20'
0 20 40 60 80

AO

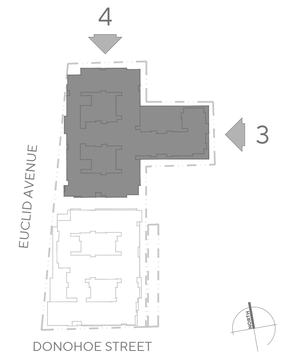
A4.2

JOB NO. 2025-1061
DATE 06-10-2026

3. EAST ELEVATION



4. NORTH ELEVATION - NORTHGATE DRIVE



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B ELEVATIONS - EAST & NORTH

1"=20'
0 20 40 60 80

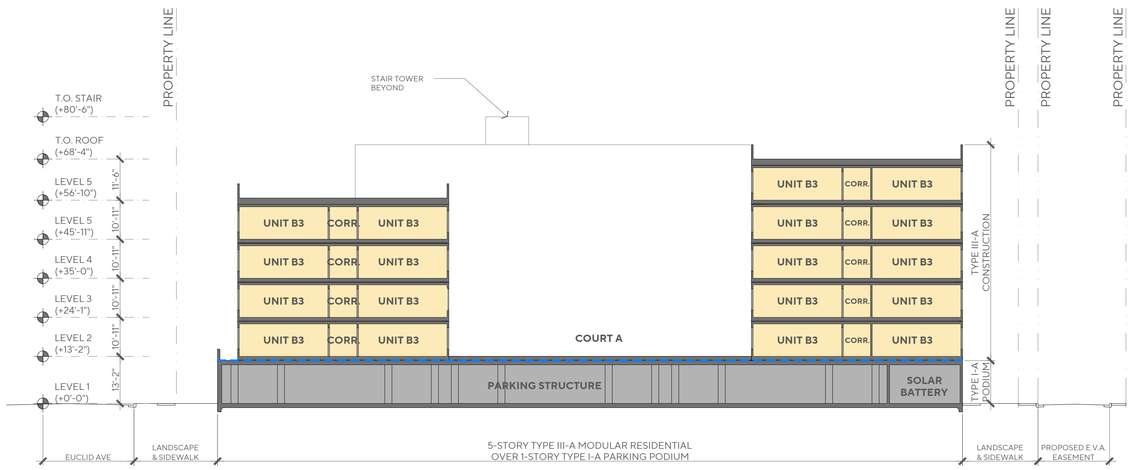
AO

A4.3

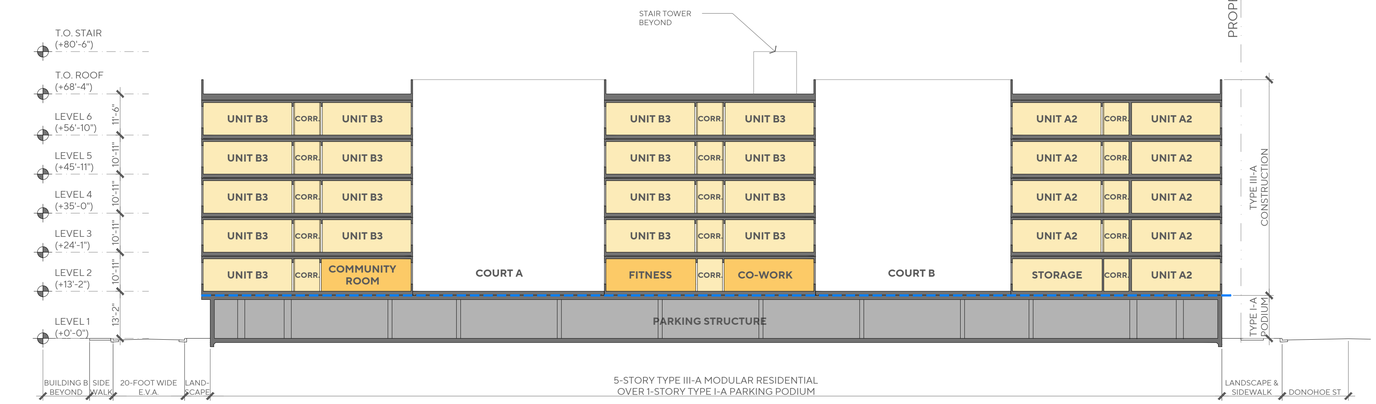
JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

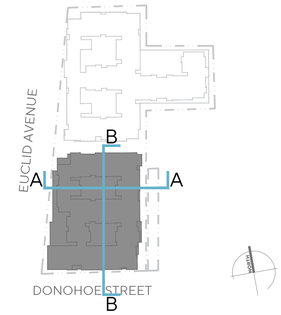
- LEASING & AMENITIES
- RESIDENTIAL
- PARKING
- 3-HOUR HORIZONTAL BUILDING SEPARATION



SECTION A-A



SECTION B-B



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A SECTIONS

1"=20'

0 20 40 60 80

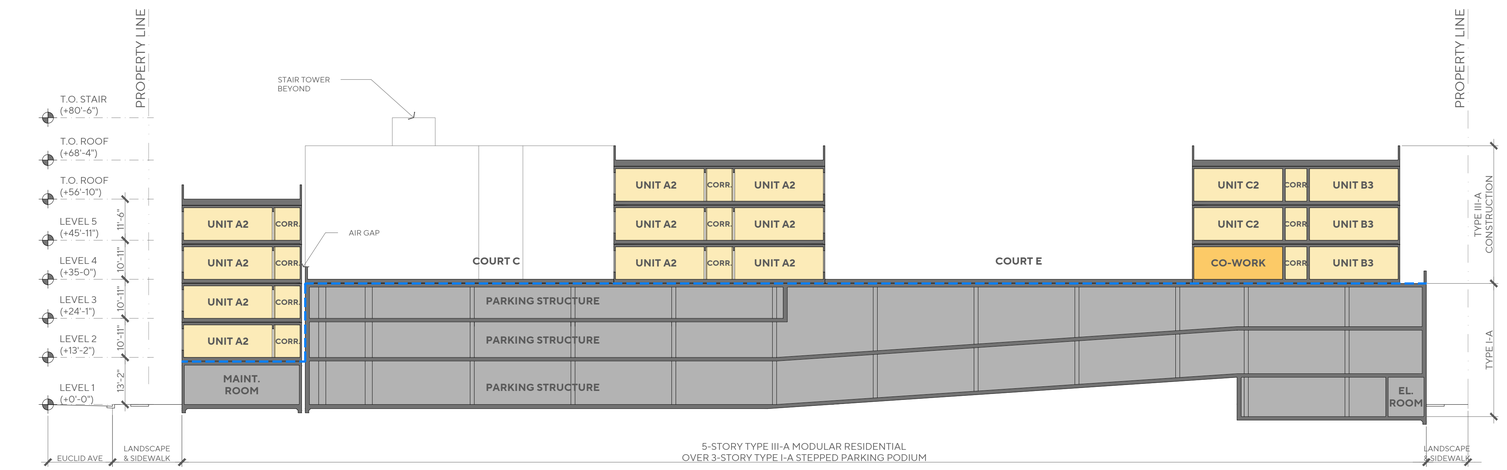
AO

A5.0

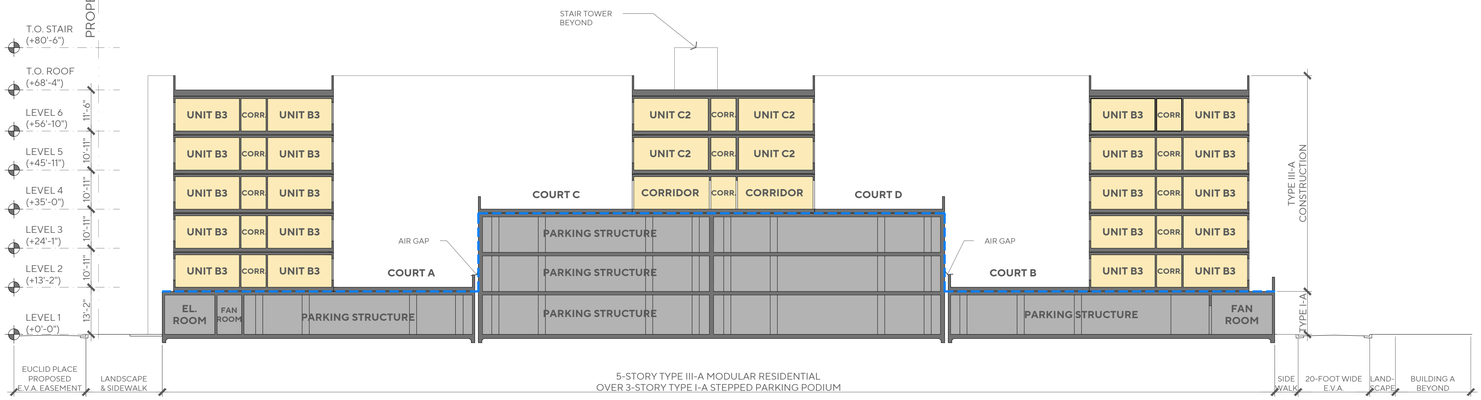
JOB NO. 2025-1061
DATE 06-10-2026

LEGEND

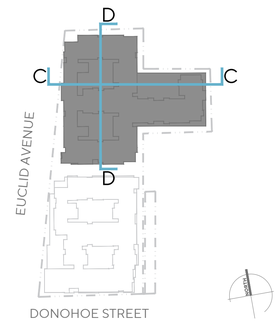
- LEASING & AMENITIES
- RESIDENTIAL
- PARKING
- 3-HOUR HORIZONTAL BUILDING SEPARATION



SECTION C-C



SECTION D-D



2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B SECTIONS

1"=20'

0 20' 40' 60' 80'

A5.1

JOB NO. 2025-1061
DATE 06-10-2026

BUILDING A - WEST ELEVATION

MATERIALS

1. STUCCO - 20/30 LIGHT SAND FINISH

2. BRICK VENEER - NICHIHA VINTAGEBRICK ALEXANDRIA BUFF

3. VERTICAL SIDING - NICHIHA RIBBED VERTICAL SIDING TO MATCH PAINT SPEC D

4. VINYL WINDOW W/PTAC UNIT - BLACK OR EQUAL

5. ALUMINUM STOREFRONT - BLACK OR EQUAL

6. METAL AWNING TO MATCH PAINT SPEC B

7. METAL MESH PANEL - BLACK OR EQUAL

COLORS - SHERWIN WILLIAMS

A. SW 7570 EGRET WHITE

C. SW 7515 HOMESTEAD BROWN

B. SW 7019 GAUNTLET GRAY

D. SW 6258 TRICORN BLACK

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

COLOR & MATERIAL BOARD - BUILDING A

AO

A6.0

JOB NO. 2025-1061
DATE 06-10-2026

BUILDING B - WEST ELEVATION

MATERIALS

1. STUCCO - 20/30 LIGHT SAND FINISH

2. BRICK VENEER - NICHIHA VINTAGEBRICK ALEXANDRIA BUFF

3. VERTICAL SIDING - NICHIHA RIBBED VERTICAL SIDING TO MATCH PAINT SPEC D

4. VINYL WINDOW W/PTAC UNIT - BLACK OR EQUAL

5. ALUMINUM STOREFRONT - BLACK OR EQUAL

6. METAL AWNING TO MATCH PAINT SPEC B

7. METAL MESH PANEL - BLACK OR EQUAL

COLORS - SHERWIN WILLIAMS

A. SW 7570 EGRET WHITE

C. SW 7515 HOMESTEAD BROWN

B. SW 7019 GAUNTLET GRAY

D. SW 6258 TRICORN BLACK

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

COLOR & MATERIAL BOARD - BUILDING B

AO

A6.1

JOB NO. 2025-1061
DATE 06-10-2026

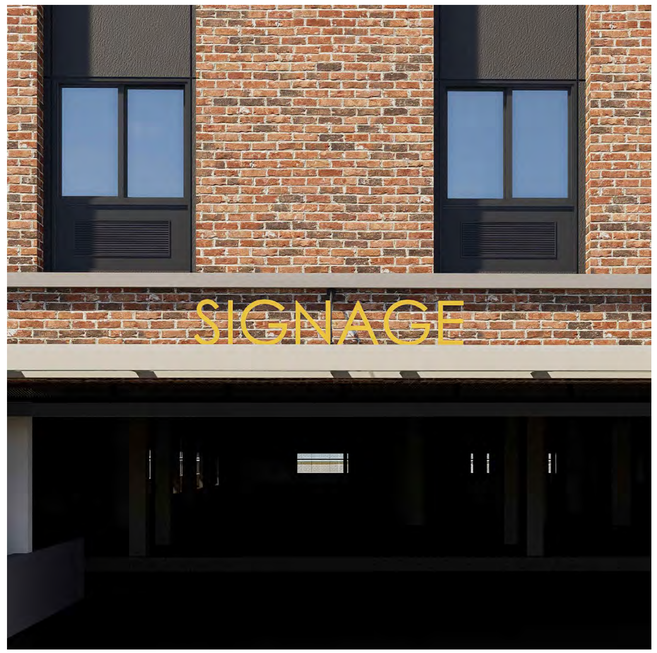
1. BUILDING A - RETAIL SIGN

2.BUILDING A - BLADE SIGN

3.BUILDING A - SIGN ABOVE PARKING ENTRY

4.BUILDING A - SIGN ABOVE PARKING ENTRY

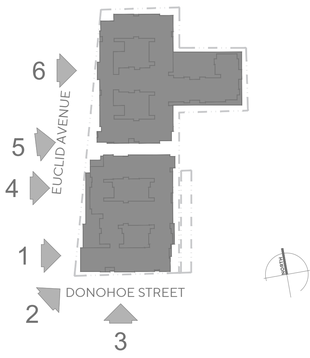
5.BUILDING B - BLADE SIGN



6.BUILDING B - SIGN ABOVE PARKING ENTRY

NOTE :

SIGNAGE MOCKUPS SHOWN ON THE RENDERINGS ARE FOR REFERENCE ONLY. EXACT SIZING, PLACEMENT, AND DESIGN DETAILS WILL BE DETERMINED BY THE SIGNAGE CONSULTANT DURING THE PRODUCTION PHASE.



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING SIGNAGE DETAILS

AO

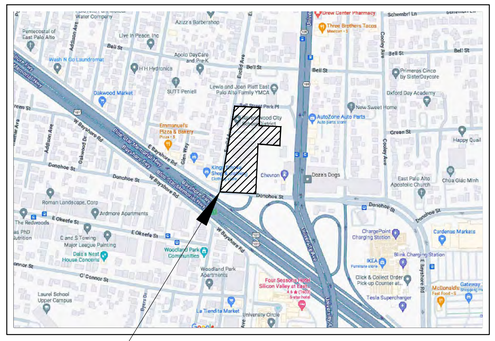
A7.0

JOB NO. 2025-1061
DATE 06-10-2026

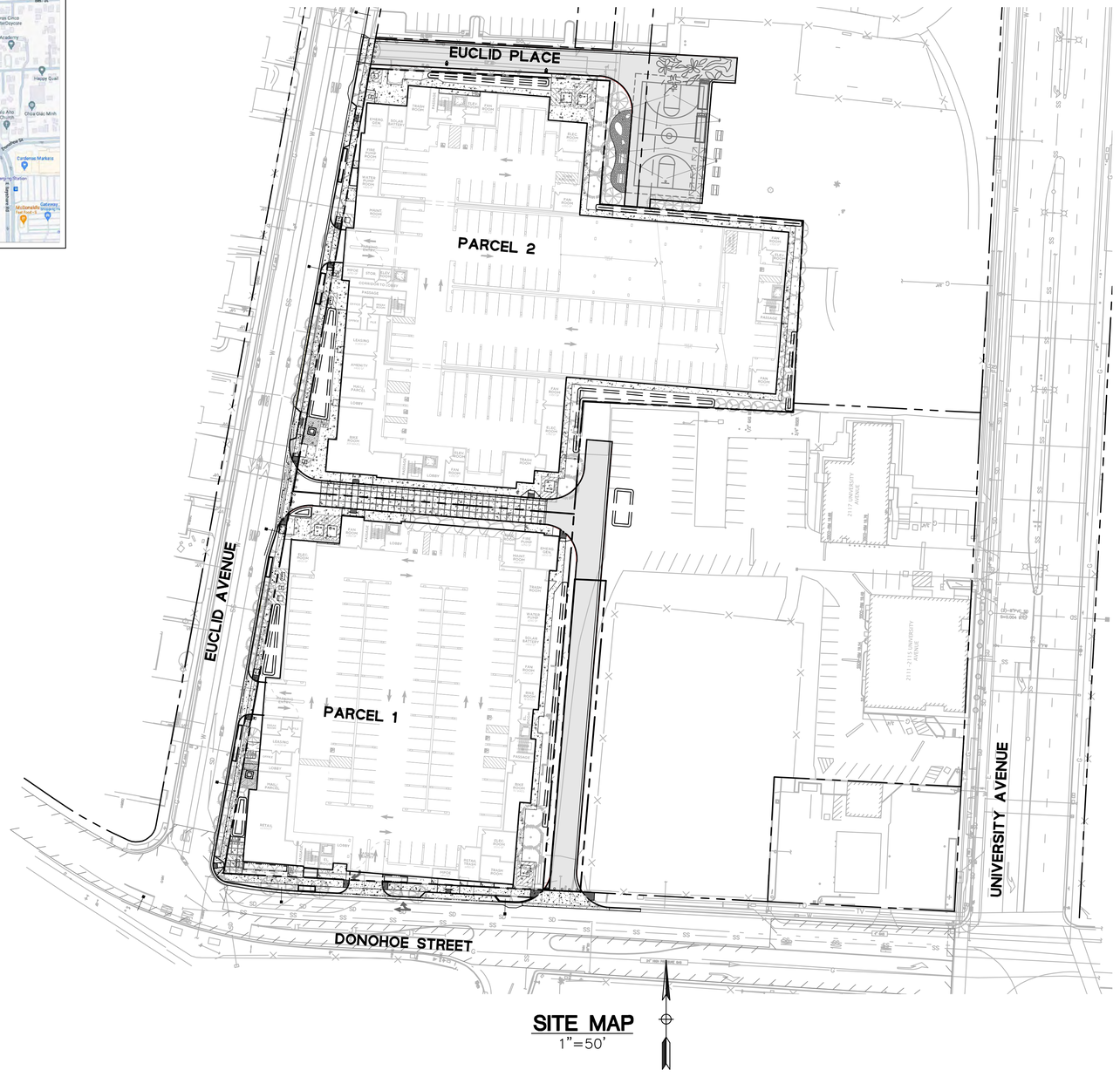
VESTING TENTATIVE PARCEL MAP

EUCLID AVENUE MIXED USE

EAST PALO ALTO, SAN MATEO COUNTY, CALIFORNIA



VICINITY MAP
NTS



SITE MAP
1"=50'

GENERAL NOTES:

1.	APN:	063-292-380
2.	PROJECT OWNER:	RAVENSWOOD CITY SCHOOL DISTRICT
3.	EXISTING ZONING:	MIXED USE HIGH
4.	PROPOSED ZONING:	MIXED USE HIGH
5.	EXISTING GENERAL LAND USE:	SCHOOL BUILDINGS, EDUCATIONAL FACILITIES, PARKING AREAS & LANDSCAPE
6.	PROPOSED GENERAL LAND USE:	MIXED USE (AFFORDABLE HOUSING + RETAIL)
7.	NUMBER OF UNITS:	430 UNITS
8.	NUMBER OF EXISTING LOTS:	1
9.	PROPOSED LOTS:	2
10.	SITE AREA:	4.89± ACRES
11.	UTILITIES:	
	WATER	CITY OF EAST PALO ALTO (MANAGED BY VEOLIA WATER)
	SANITARY SEWER	EAST PALO ALTO SEWER DISTRICT
	STORM DRAIN	CITY OF EAST PALO ALTO
	ELECTRIC/GAS	PG&E
	COMMUNICATION	AT&T/SBC
	CABLE	COMCAST
12.	FIRE PROTECTION:	MENLO PARK FIRE DEPARTMENT

13. BOUNDARY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION AND TITLE INFORMATION AS SHOWN IN THE TITLE REPORT PROVIDED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER NCS-1188997-SD.

14. BENCHMARK: CITY OF EAST PALO ALTO BENCH MARK – BM4. A BRASS DISC IN THE WALKWAY IN THE NORTHEAST QUADRANT OF THE UNIVERSITY AVENUE BRIDGE OVER SAN FRANCISQUITO CREEK. IT IS 35 FT EASTERLY OF A 3.3 TALL CONCRETE HEAD WALL AND 19 FT SOUTHERLY OF A TRAFFIC LIGHT POLE. THIS IS SCVWD BM455. ELEVATION = 37.21 (NAVD 88).

15. BASIS OF BEARINGS: THE BEARING NORTH 87°00'00" WEST OF THE MONUMENT LINE OF RUNNYMEDE STREET (FORMERLY BIZZELL STREET), BETWEEN FOUND MONUMENTS, AS SAID BEARING IS SHOWN ON THAT CERTAIN PARCEL MAP, FILED FOR RECORD ON SEPTEMBER 17, 2020 IN BOOK 85 OF PARCEL MAPS AT PAGES 55 AND 56, RECORDS OF SAN MATEO COUNTY.

16. FEMA FLOOD ZONE: THIS PROPERTY IS LOCATED WITHIN ZONE X; AREAS OF MINIMAL FLOOD HAZARD; PER FLOOD INSURANCE RATE MAP (FIRM), NO. 06081C0309F, COMMUNITY NO. 060708 (CITY OF EAST PALO ALTO), PANEL 0309, SUFFIX F, EFFECTIVE DATE APRIL 5, 2019 FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).

PURPOSE:

EXISTING LOT IS TO BE SUBDIVIDED INTO TWO LOTS. LOT 1 WILL CONTAIN 220 AFFORDABLE FOR-RENT APARTMENT UNITS AND A RETAIL SPACE & PARKING. LOT 2 WILL CONTAIN 210 AFFORDABLE FOR-RENT APARTMENT UNITS AND A RETAIL SPACE & PARKING.

CONSULTANTS:

ARCHITECT:
AO
144 NORTH ORANGE STREET
ORANGE, CA 92866
TEL: (714) 639-9860
ATTN: IOANNA MAGIATI

CIVIL ENGINEER:
BKF ENGINEERS
160 WEST SANTA CLARA STREET, SUITE 800
SAN JOSE, CA 95113
TEL: (408) 467-9100
ATTN: JEREMY MARELLO

LANDSCAPE ARCHITECT:
IDLA, INC
P.O. BOX 170129,
BOISE, ID 83717
TEL:(208) 906-1300
ATTN: THOMAS PHELPS

SHEET INDEX:

TM-1.0	TITLE SHEET
TM-2.0	EXISTING CONDITIONS AND TREE REMOVAL
TM-3.0	PRELIMINARY SITE PLAN
TM-3.1	PRELIMINARY SITE PLAN
TM-4.0	PRELIMINARY GRADING & DRAINAGE PLAN
TM-4.1	PRELIMINARY GRADING & DRAINAGE PLAN
TM-4.2	CROSS SECTIONS
TM-4.3	CROSS SECTIONS
TM-5.0	PRELIMINARY UTILITY PLAN
TM-5.1	PRELIMINARY UTILITY PLAN
TM-6.0	PRELIMINARY STORMWATER CONTROL PLAN
TM-7.0	VESTING TENTATIVE MAP
TM-7.1	VESTING TENTATIVE MAP
TM-8.0	FIRE CIRCULATION PLAN

ENGINEER'S STATEMENT

THIS VESTING TENTATIVE MAP HAS BEEN PREPARED BY ME OR UNDER MY DIRECTION IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICE.

REGISTERED PROFESSIONAL ENGINEER
S. R. SCHORK
No. 47813
Exp. 12-31-27
CIVIL
STATE OF CALIFORNIA

SCOTT R. SCHORK, P.E. DATE
BKF ENGINEERS
R.C.E. NO. 47813

DRAWING NAME: C:\Box\Projects - BKF\BKF-SJ\2023\231634_2120_Euclid_Avenue_East_Palo_Alto\ENG-L\PLANNING\SHEETS\TM-1.0_TITLE SHEET.dwg
PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

TITLE SHEET

NORTH

1"=20'
0 20' 40' 60' 80'

BKF
160 W. SANTA CLARA STREET
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www.bkf.com

TM-1.0

JOB NO. 2023.1634
DATE: 06-10-2026

LEGEND

- PROPERTY LINE
- CENTER LINE
- MONUMENT LINE
- CALTRANS ROW
- JOINT TRENCH LINE (JT)
- STORM DRAIN LINE (SD)
- SANITARY SEWER LINE (SS)
- WATER LINE (W)
- GAS LINE (G)
- OVERHEAD LINE (OH)
- TELEPHONE LINE (T)
- FIBER OPTIC LINE (FO)
- VERTICAL CURB
- VERTICAL CURB & GUTTER
- WATER METER
- JOINT UTILITY POLE
- POST INDICATOR VALVE (PIV)
- BACKFLOW PREVENTION (BFP)
- SIGN
- FIRE HYDRANT (HYD)
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER VALVE
- STORM DRAIN MANHOLE (SDMH)
- SANITARY SEWER MANHOLE (SSMH)
- TREE (SIZE VARIES)
- STREET LIGHT BOX
- COMMUNICATION BOX (COMM)
- ELECTRIC BOX
- ELECTRIC VAULT (EV)
- LIGHT POLE
- ELECTROLIER/STREET LIGHT
- DRAIN INLET/CATCH BASIN
- EX. TREE TO BE REMOVED
- EX. TREE TO REMAIN AND PROTECTED

GENERAL NOTES

1. ALL TREE REMOVAL AND PRESERVATION INFORMATION SHOWN ON THIS PLAN IS SHOWN FOR REFERENCE. REFER TO THE ARBORIST REPORT AND LANDSCAPE PLANS FOR DETAILS.

LINE TABLE		
LINE NO.	DIRECTION	LENGTH
L1	S03°00'09"W	7.41'
L2	S87°01'28"E	5.00'

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PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

EXISTING CONDITIONS AND TREE REMOVAL

NORTH

0 40' 80' 120' 160'

1"=40'

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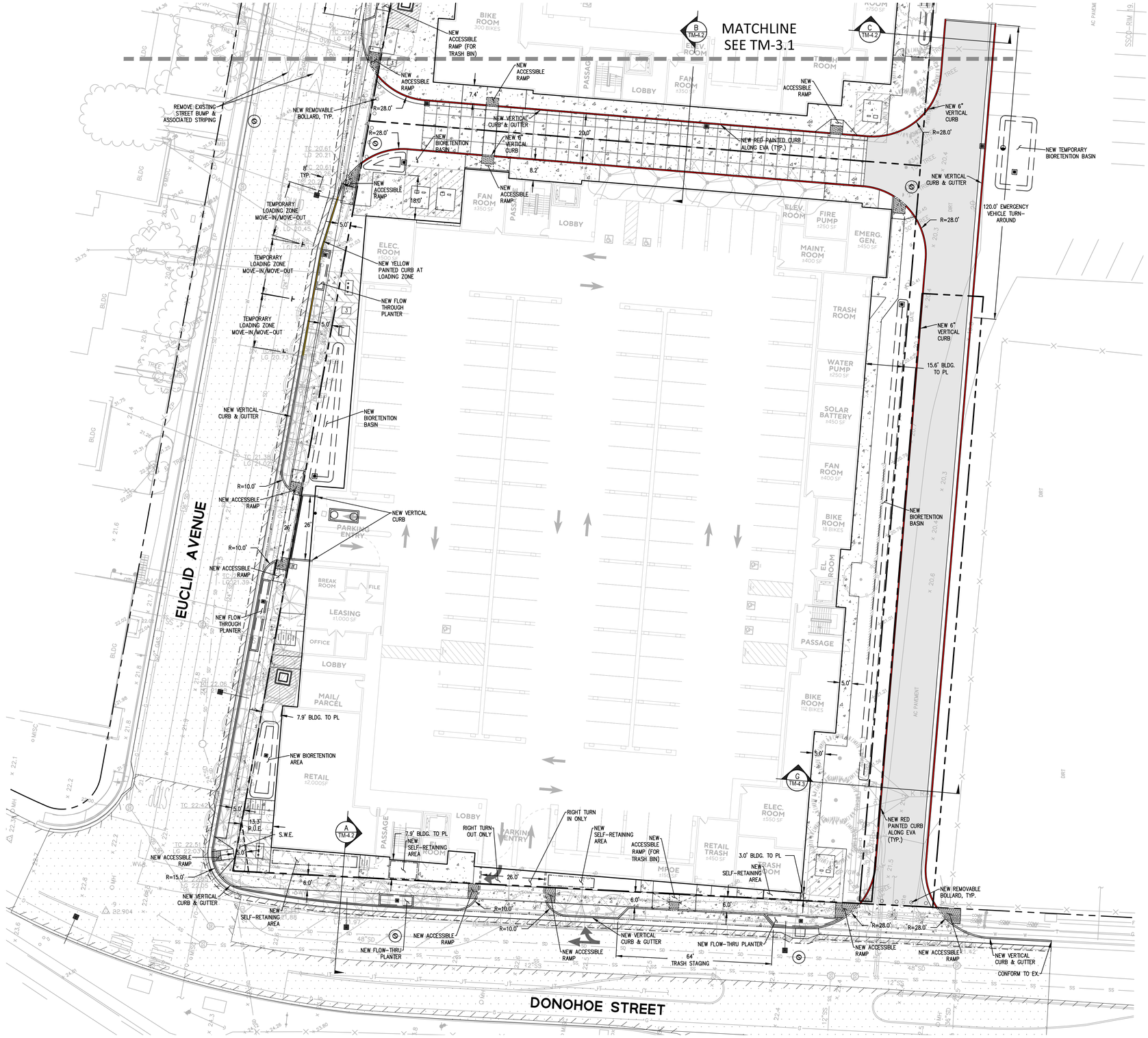
TM-2.0

JOB NO. 2023.1634
DATE: 06-10-2026



LEGEND

- PROPERTY LINE
- CALTRANS ROW
- BIORETENTION BASIN
- SELF-RETAINING AREA
- FLOW-THRU PLANTER
- VERTICAL CURB
- VERTICAL CURB & GUTTER
- HARDSCAPE, SEE LS PLANS
- 2' WIDE SAWCUT/AC DEEPLIFT
- 2" AC GRIND & OVERLAY
- REMOVABLE BOLLARD
- STREET LIGHT (SEE LIGHTING PLANS)
- FENCE (SEE LS PLANS)
- YELLOW PAINTED CURB
- RED PAINTED CURB
- PROPOSED SIDEWALK EASEMENT (S.W.E.)

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PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

PRELIMINARY SITE PLAN

NORTH

1"=20'

0 20' 40' 60' 80'

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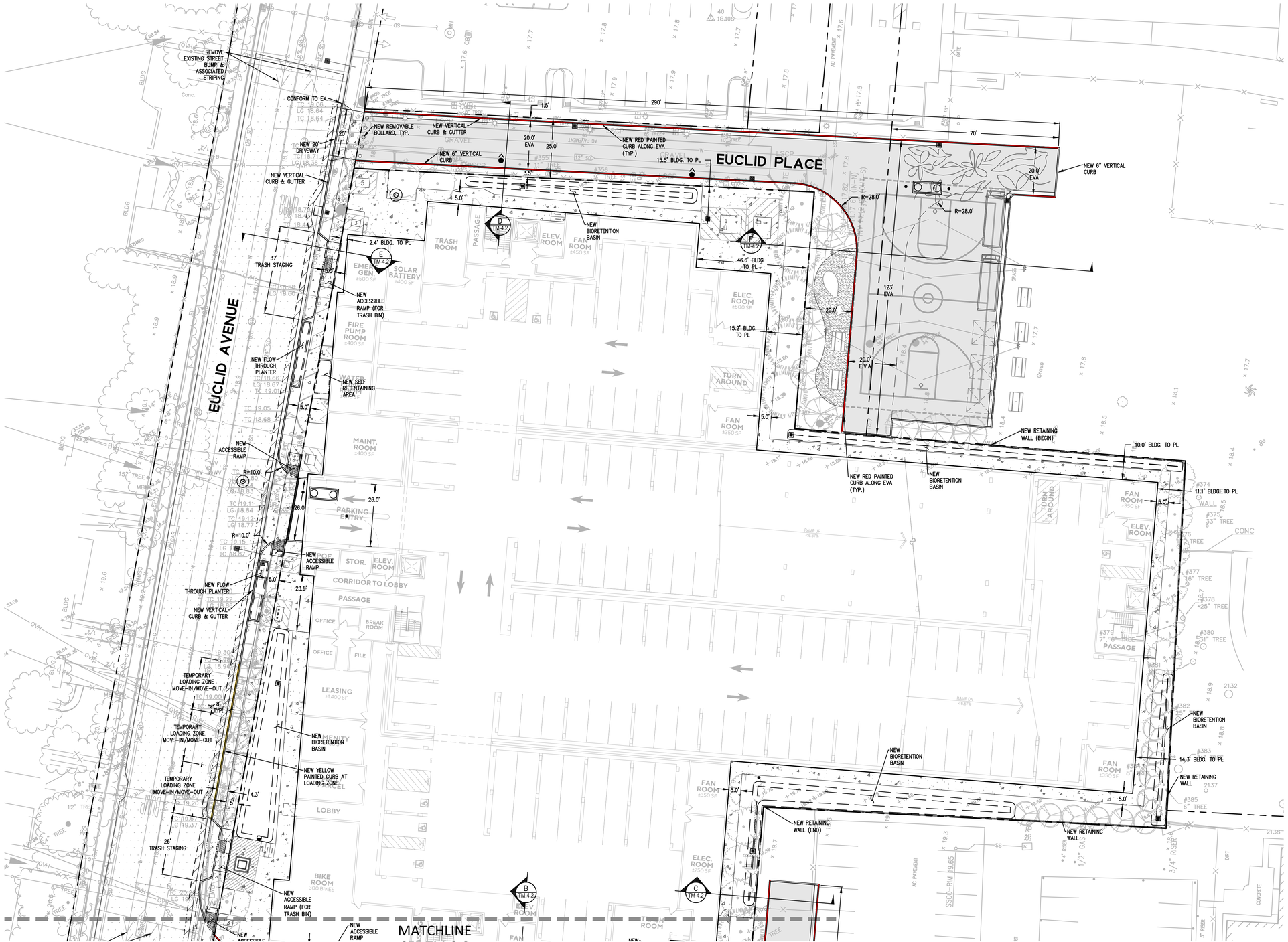
TM-3.0

JOB NO. 20231634
DATE: 06-10-2026



LEGEND

- PROPERTY LINE
- CALTRANS ROW
- BIORETENTION BASIN
- SELF-RETAINING AREA
- FLOW-THRU PLANTER
- VERTICAL CURB
- VERTICAL CURB & GUTTER
- HARDSCAPE, SEE LS PLANS
- 2" WIDE SAWCUT/AC DEEPLIFT
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- YELLOW PAINTED CURB
- RED PAINTED CURB
- PROPOSED SIDEWALK EASEMENT (S.W.E.)

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PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

PRELIMINARY SITE PLAN

NORTH

1"=20'

0 20' 40' 60' 80'

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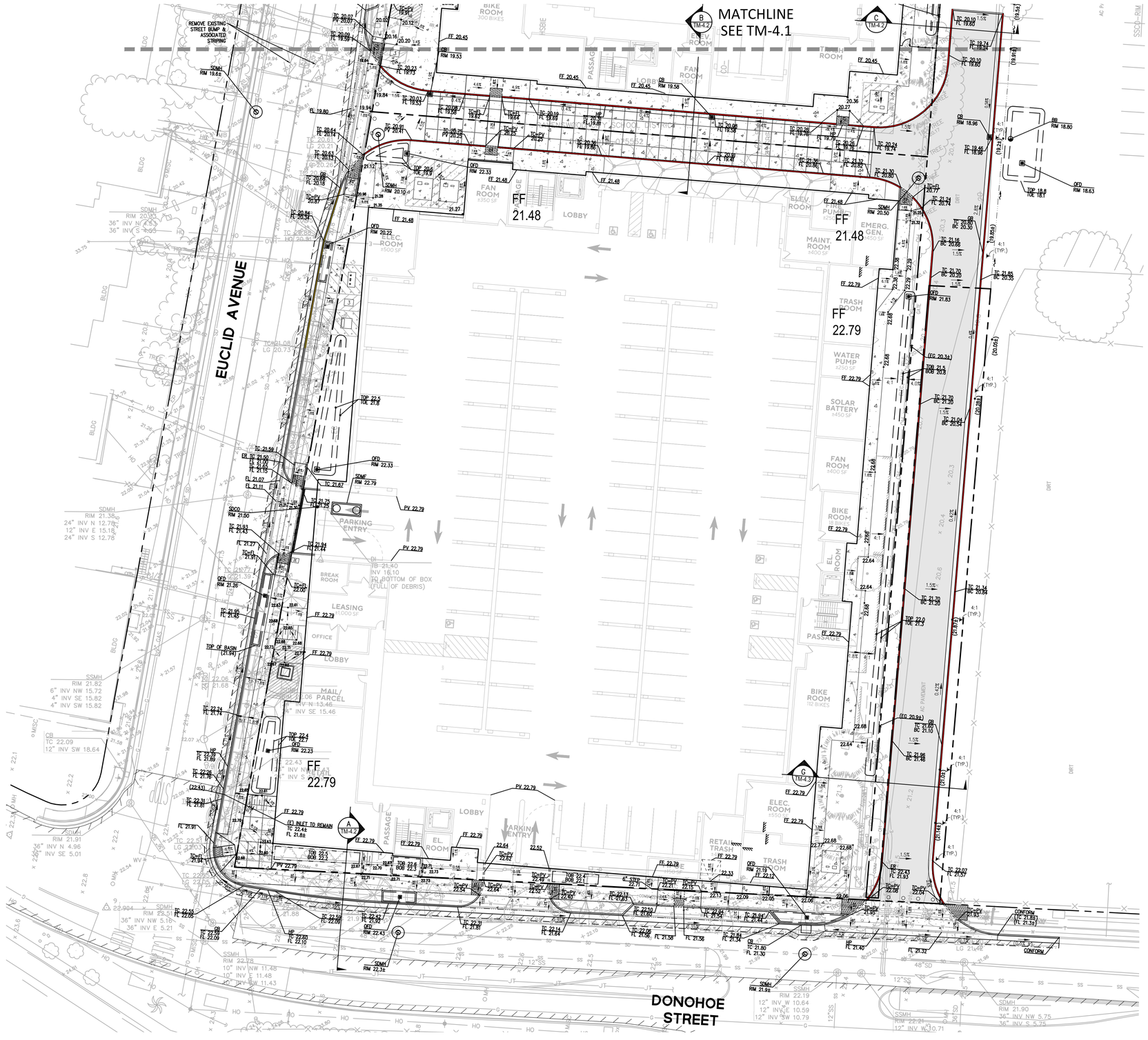
TM-3.1

JOB NO. 2023I634
DATE: 06-10-2026



LEGEND

PROPERTY LINE	
CALTRANS ROW	
BIORETENTION BASIN	
SELF-RETAINING AREA	
FLOW-THRU PLANTER	
VERTICAL CURB	
VERTICAL CURB & GUTTER	
HARDSCAPE, SEE LS PLANS	
CONFORM LINE	
FINISHED GRADE ELEVATION	XX.XX
FINISHED FLOOR ELEVATION	FF XX.XX
TOP OF STEP ELEVATION	TS XX.XX
BOTTOM OF STEP ELEVATION	BS XX.XX
TOP OF CURB ELEVATION	TC XX.XX
TOP OF ROLLED CURB ELEVATION	TRC XX.XX
FLOW LINE ELEVATION ELEVATION	FL XX.XX
HIGH POINT	HP
LOW POINT	LP
PAVEMENT ELEVATION	PV XX.XX
TOP OF WALL	TW XX.XX
BOTTOM OF WALL	BOW XX.XX
GRADE TO DRAIN	
SLOPE/DIRECTION OF FLOW	8.0%
TOP/BOTTOM OF BIORETENTION BASIN	TOP/TOE
TOP/BOTTOM OF SELF-RETAINING AREA	TOB/BOB
OVERLAND RELEASE	
STORM DRAIN MANHOLE	SDMH
CATCH BASIN/DROP INLET/OVERFLOW DRAIN	CB/DI/OFD
AREA DRAIN	AD
BUBBLER BOX	BB
STORM DRAIN/SANITARY SEWER CLEANOUT	SDCO/SSCO
TRENCH DRAIN	
MEDIA FILTER	
FF DROP	
2' WIDE SAWCUT/AC DEEPLIFT	
2" AC GRIND & OVERLAY	

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PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

PRELIMINARY GRADING & DRAINAGE PLAN

NORTH

1"=20'

0 20' 40' 60' 80'

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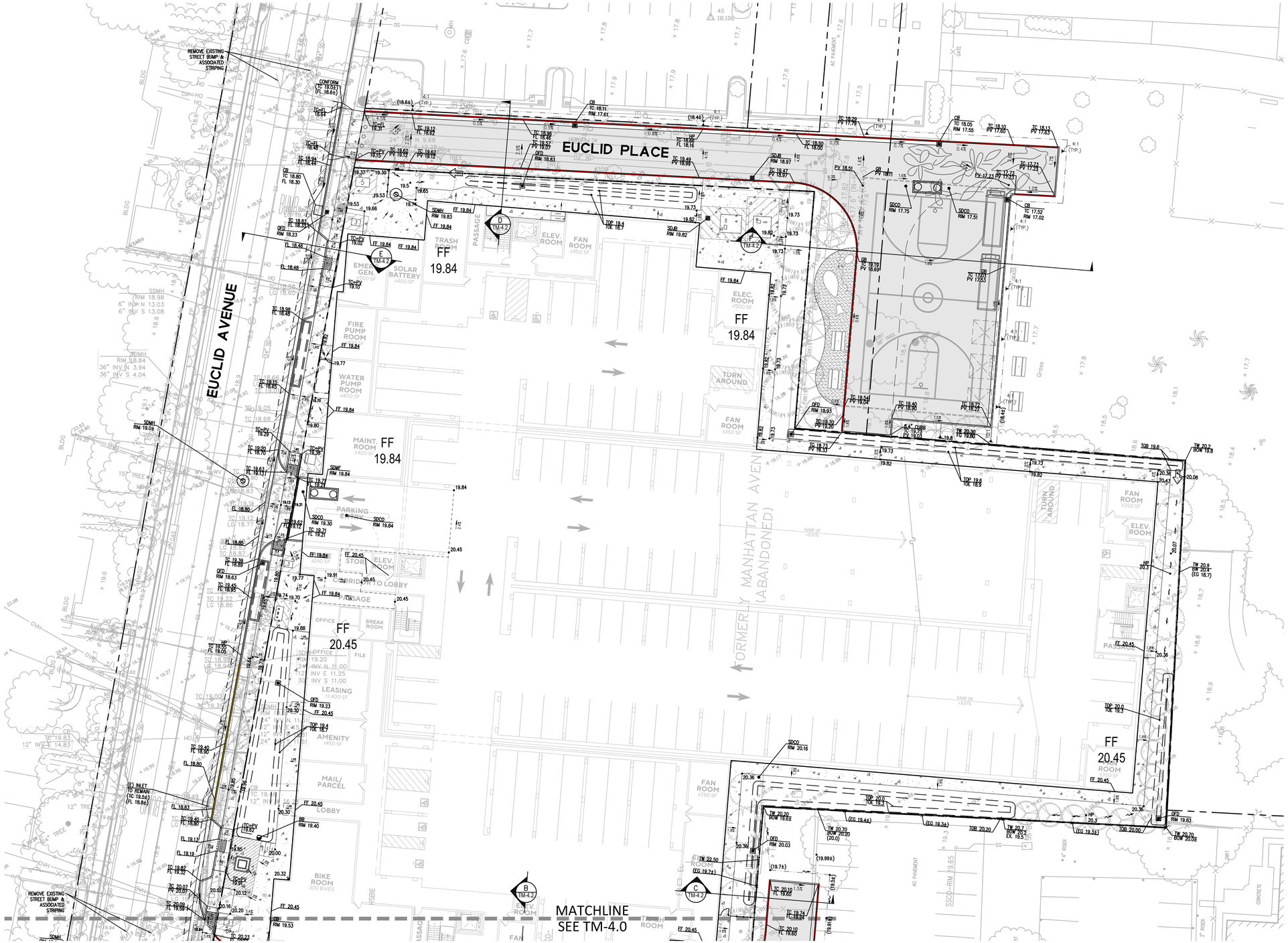
TM-4.0

JOB NO. 20231634
DATE: 06-10-2026



LEGEND

PROPERTY LINE	
CALTRANS ROW	
BIORETENTION BASIN	
SELF-RETAINING AREA	
FLOW-THRU PLANTER	
VERTICAL CURB	
VERTICAL CURB & GUTTER	
HARDSCAPE, SEE LS PLANS	
CONFORM LINE	
FINISHED GRADE ELEVATION	XX.XX
FINISHED FLOOR ELEVATION	FF XX.XX
TOP OF STEP ELEVATION	TS XX.XX
BOTTOM OF STEP ELEVATION	BS XX.XX
TOP OF CURB ELEVATION	TC XX.XX
TOP OF ROLLED CURB ELEVATION	TRC XX.XX
FLOW LINE ELEVATION ELEVATION	FL XX.XX
HIGH POINT	HP
LOW POINT	LP
PAVEMENT ELEVATION	PV XX.XX
TOP OF WALL	TW XX.XX
BOTTOM OF WALL	BOW XX.XX
GRADE TO DRAIN	
SLOPE/DIRECTION OF FLOW	8.0%
TOP/BOTTOM OF BIORETENTION BASIN	TOP/TOE
TOP/BOTTOM OF SELF-RETAINING AREA	TOB/BOB
OVERLAND RELEASE	
STORM DRAIN MANHOLE	SDMH
CATCH BASIN/DROP INLET/OVERFLOW DRAIN	CB/DI/OFD
AREA DRAIN	AD
BUBBLER BOX	BB
STORM DRAIN/SANITARY SEWER CLEANOUT	SDCO/SSCO
TRENCH DRAIN	
MEDIA FILTER	
FF DROP	
2" WIDE SAWCUT/AC DEEPLIFT	
2" AC GRIND & OVERLAY	

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PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

PRELIMINARY GRADING & DRAINAGE PLAN

NORTH

1"=20'

0 20' 40' 60' 80'

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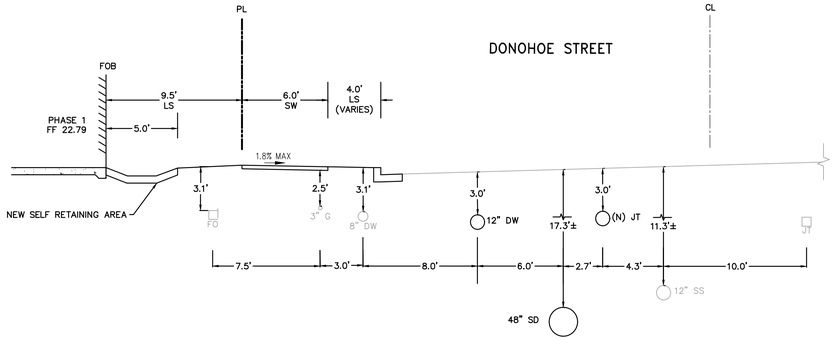
DATE: 06-10-2026



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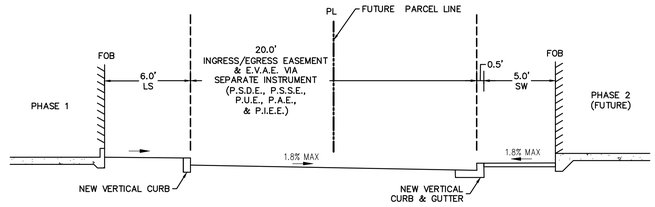

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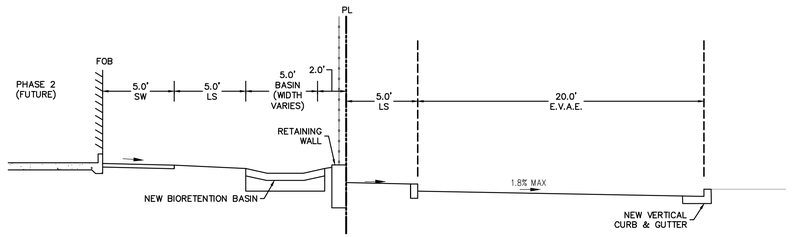

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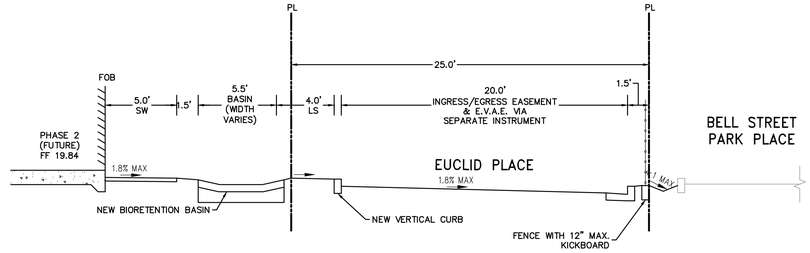

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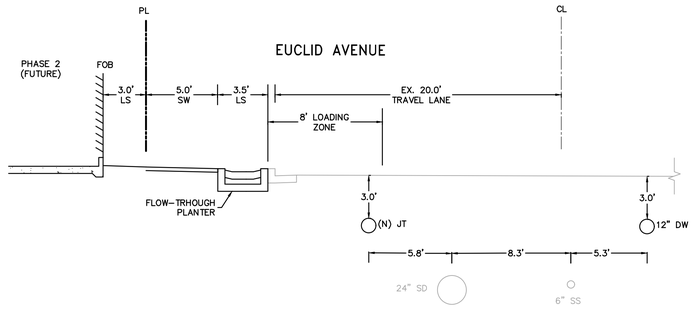

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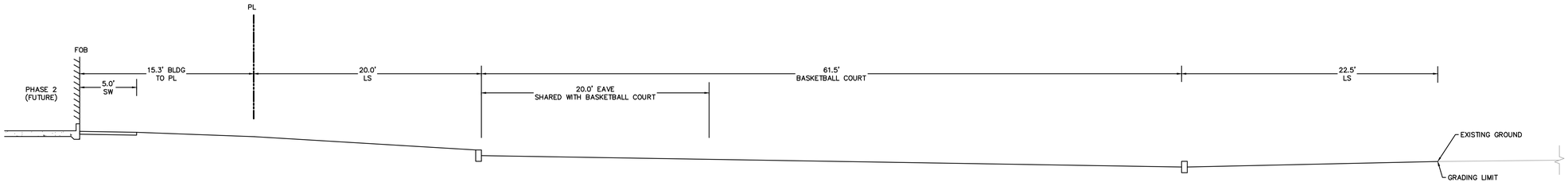

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PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

CROSS SECTIONS

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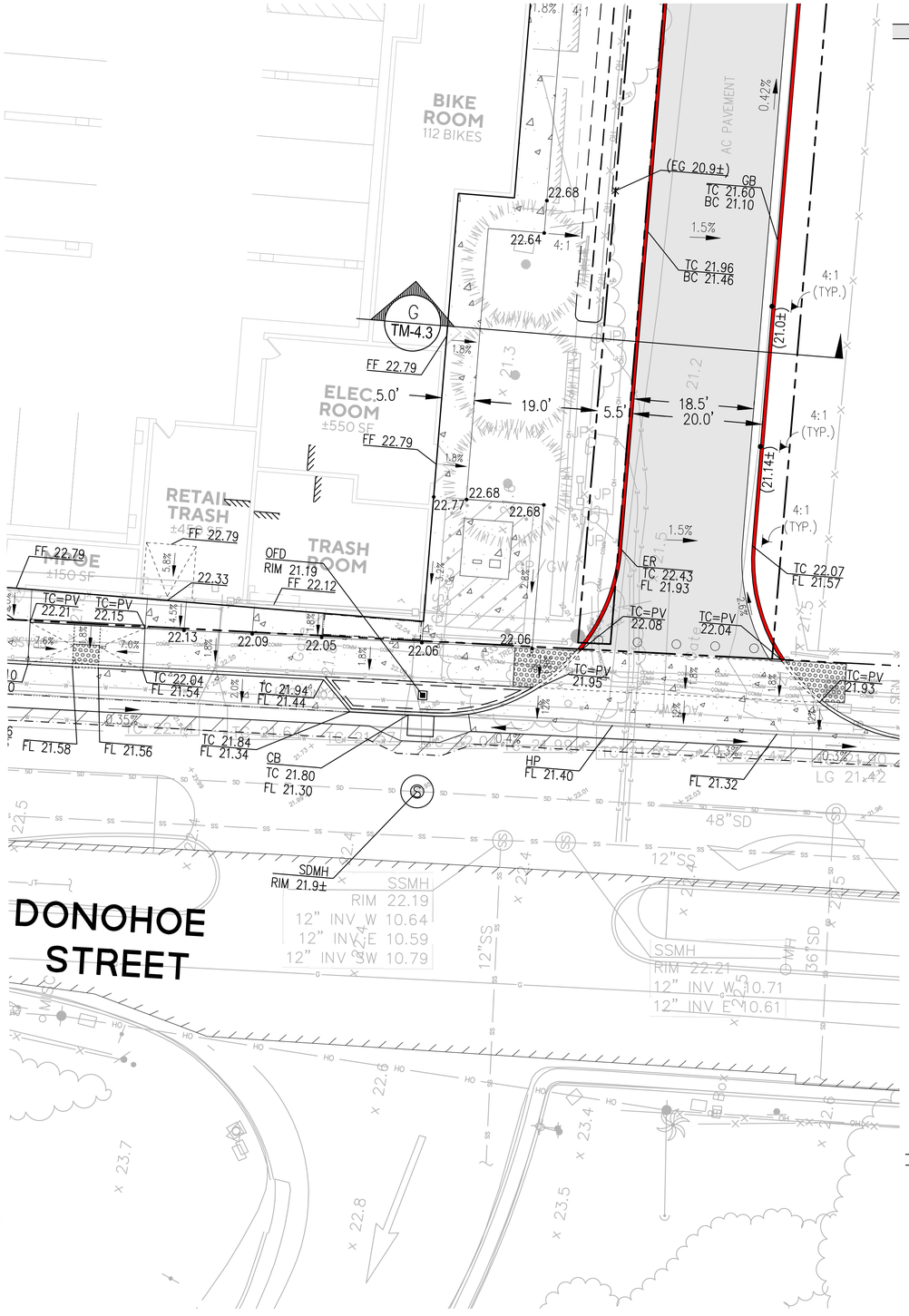
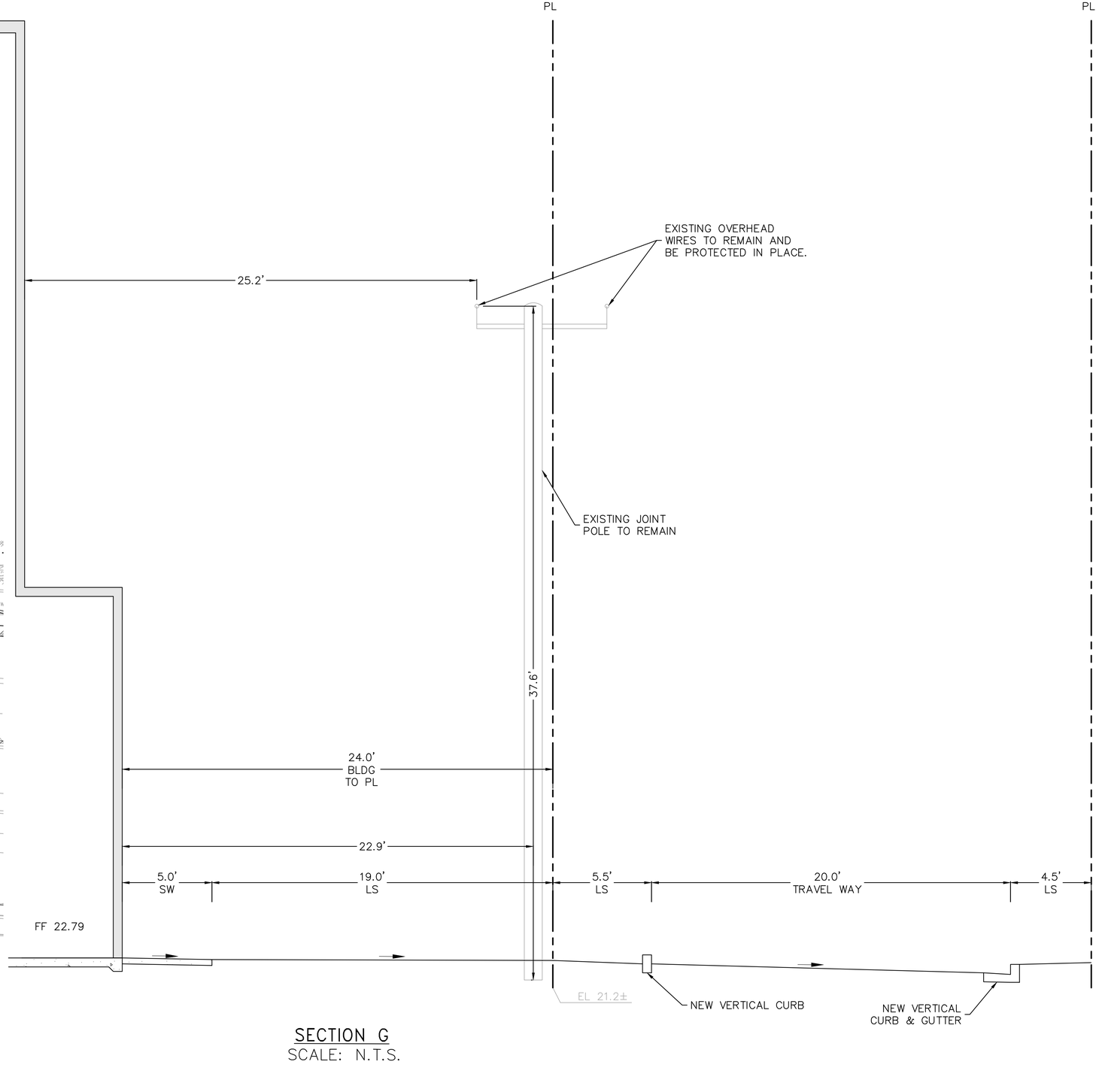
TM-4.2

JOB NO. 20231634
DATE: 06-10-2026





SECTION G
SCALE: N.T.S.

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PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

CROSS SECTIONS

1"=10'
0 10' 20' 30' 40'

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TM-4.3

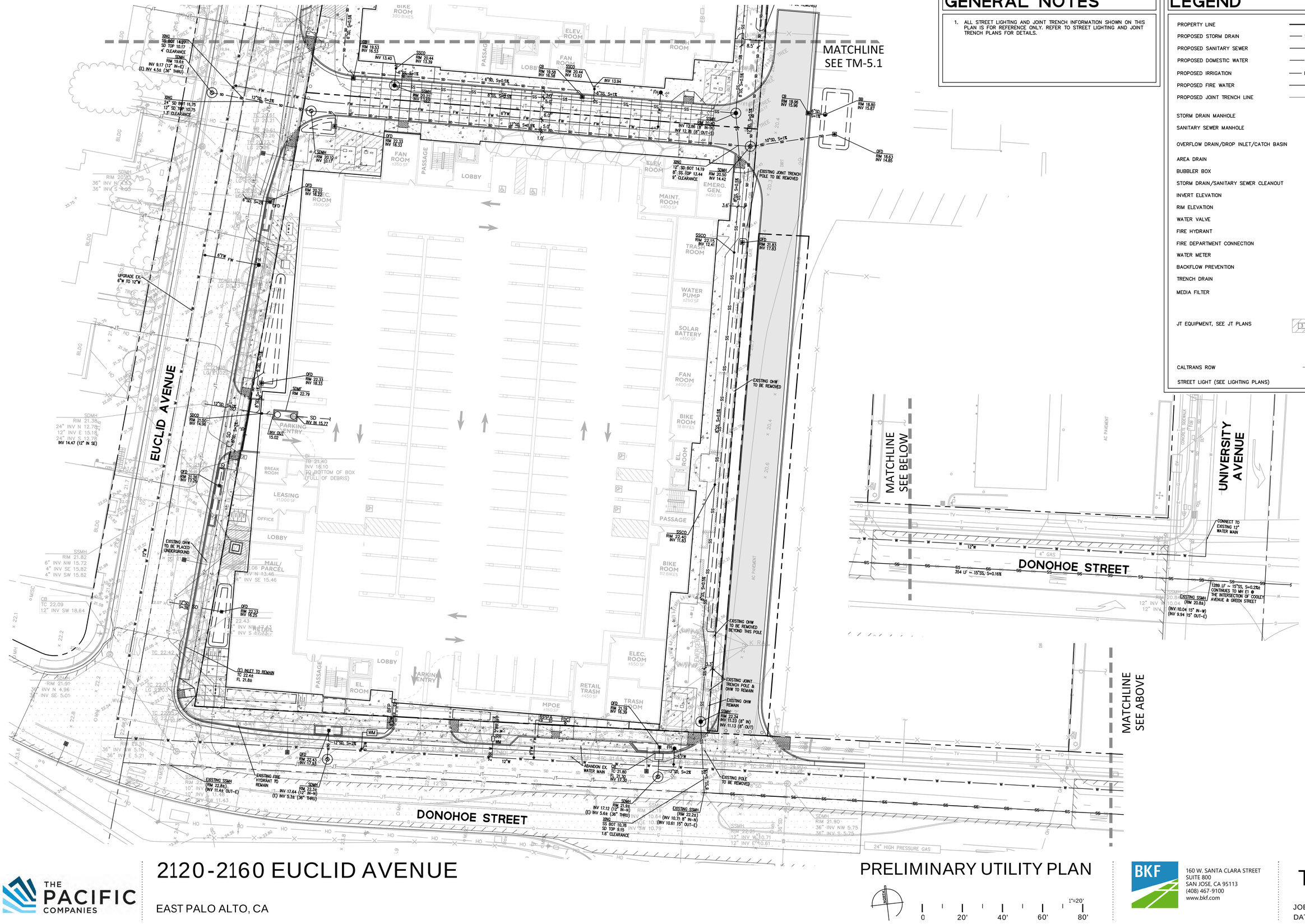
JOB NO. 20231634
DATE: 06-10-2026

GENERAL NOTES

1. ALL STREET LIGHTING AND JOINT TRENCH INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. REFER TO STREET LIGHTING AND JOINT TRENCH PLANS FOR DETAILS.

LEGEND

- PROPERTY LINE
- PROPOSED STORM DRAIN — SD — SD
- PROPOSED SANITARY SEWER — SS — SS
- PROPOSED DOMESTIC WATER — W — W
- PROPOSED IRRIGATION — IRR — IRR
- PROPOSED FIRE WATER — FW
- PROPOSED JOINT TRENCH LINE — JT
- STORM DRAIN MANHOLE — SDMH
- SANITARY SEWER MANHOLE — SSMH
- OVERFLOW DRAIN/DROP INLET/CATCH BASIN
- AREA DRAIN — AD
- BUBBLER BOX — BB
- STORM DRAIN/SANITARY SEWER CLEANOUT — SDCO/SSCO
- INVERT ELEVATION — INV 36.05
- RIM ELEVATION — RIM 36.05
- WATER VALVE
- FIRE HYDRANT — FH
- FIRE DEPARTMENT CONNECTION — FDC
- WATER METER — WM
- BACKFLOW PREVENTION — BFP
- TRENCH DRAIN
- MEDIA FILTER
- JT EQUIPMENT, SEE JT PLANS
- CALTRANS ROW
- STREET LIGHT (SEE LIGHTING PLANS)



2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

PRELIMINARY UTILITY PLAN

NORTH

1"=20'

0 20' 40' 60' 80'

THE PACIFIC COMPANIES

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TM-5.0

JOB NO. 2023.1634
DATE: 06-10-2026

1206

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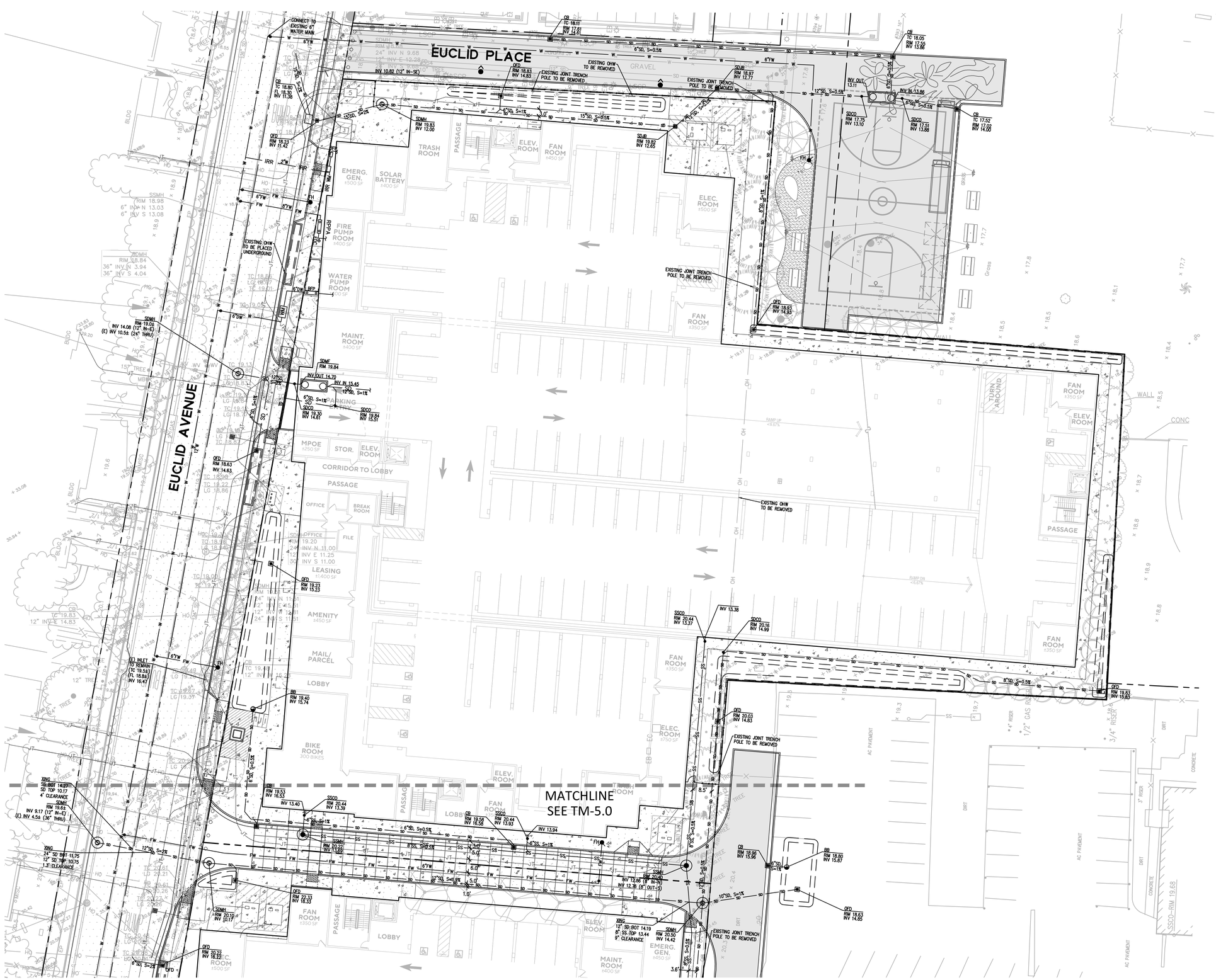
PLOT DATE: 07-08-26 PLOTTED BY: kan



LEGEND

PROPERTY LINE	
PROPOSED STORM DRAIN	SD
PROPOSED SANITARY SEWER	SS
PROPOSED DOMESTIC WATER	W
PROPOSED IRRIGATION	IRR
PROPOSED FIRE WATER	FW
PROPOSED JOINT TRENCH LINE	JT
STORM DRAIN MANHOLE	SDMH
SANITARY SEWER MANHOLE	SSMH
OVERFLOW DRAIN/DROP INLET/CATCH BASIN	
AREA DRAIN	AD
BUBBLER BOX	BB
STORM DRAIN/SANITARY SEWER CLEANOUT	SDCO/SSCO
INVERT ELEVATION	INV 36.05
RIM ELEVATION	RIM 36.05
WATER VALVE	
FIRE HYDRANT	FH
FIRE DEPARTMENT CONNECTION	FDC
WATER METER	WM
BACKFLOW PREVENTION	DCVA BFP
TRENCH DRAIN	
MEDIA FILTER	
JT EQUIPMENT, SEE JT PLANS	3
CALTRANS ROW	
STREET LIGHT (SEE LIGHTING PLANS)	

GENERAL NOTES

1. ALL STREET LIGHTING AND JOINT TRENCH INFORMATION SHOWN ON THIS PLAN IS FOR REFERENCE ONLY. REFER TO STREET LIGHTING AND JOINT TRENCH PLANS FOR DETAILS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

PRELIMINARY UTILITY PLAN

NORTH

1"=20'

0 20' 40' 60' 80'

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TM-5.1

JOB NO. 20231634
DATE: 06-10-2026

1207

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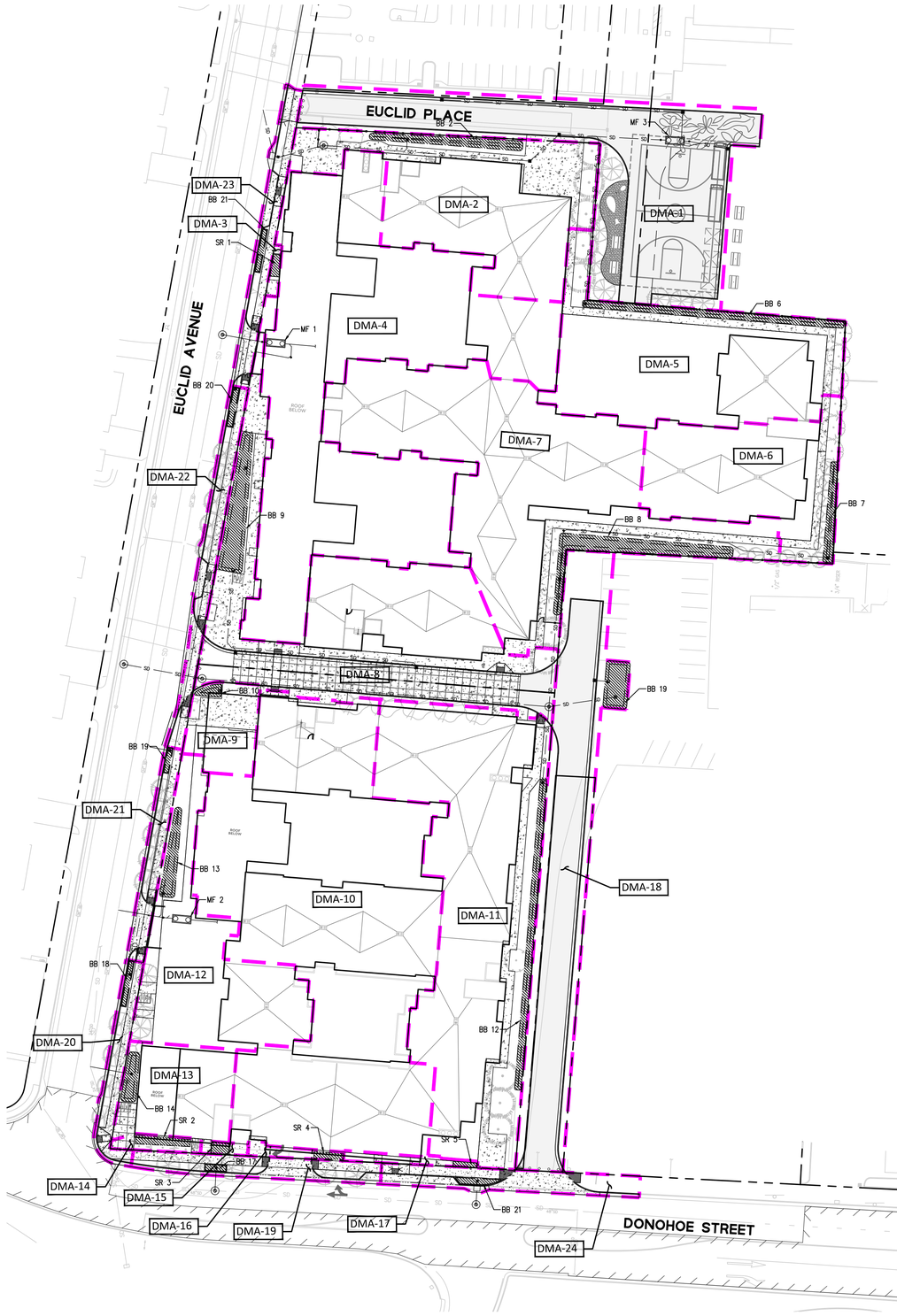
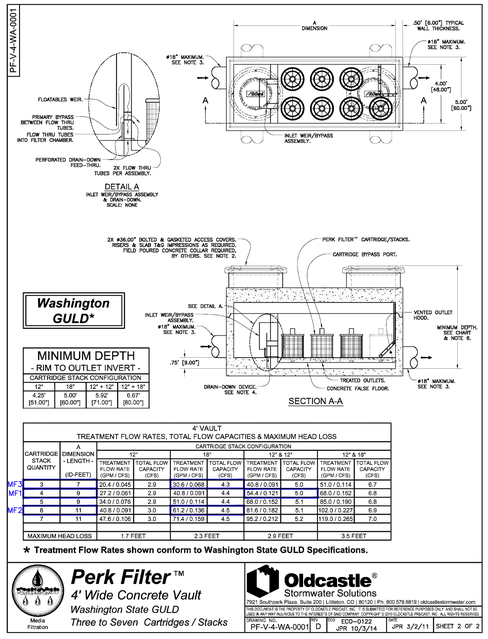
PLOT DATE: 07-08-26 PLOTTED BY: kan



TREATMENT CONTROL MEASURE SUMMARY TABLE

DRAINAGE AREA	DRAINAGE AREA SIZE (SF)	PERVIOUS SURFACE (SF)	IMPERVIOUS SURFACE (SF)	TYPE OF IMPERVIOUS SURFACE	EFFECTIVE IMPERVIOUS SURFACE (SF)	PROPOSED TREATMENT MEASURE	SIZING CALCULATION (COMBINATION FLOW & VOLUME METHOD**)	
							REQUIRED (SF)	PROVIDED (SF)
DMA-1	16,267	4,171	12,096	HARDSCAPE	-	MF3	0.063 CFS	0.068 CFS
DMA-2	12,186	1,629	10,557	ROOF, HARDSCAPE	10,720	BB2	429	492
DMA-3	203	101	102	HARDSCAPE	-	SR1	51	70
DMA-4	27,948	231	27,717	ROOF	-	MF1	0.115 CFS	0.121 CFS
DMA-5	13,307	1,331	11,976	ROOF, HARDSCAPE	12,109	BB6	484	670
DMA-6	8,608	1,122	7,486	ROOF, HARDSCAPE	7,598	BB7	304	318
DMA-7	21,338	2,134	19,204	ROOF, HARDSCAPE	19,417	BB8	777	1065
DMA-8	17,551	1,719	15,832	ROOF, HARDSCAPE	16,004	BB9	640	967
DMA-9	2,361	371	1,990	ROOF, HARDSCAPE	2,027	BB10	81	100
DMA-10	32,138	93	32,045	ROOF, HARDSCAPE	-	MF2	0.133 CFS	0.136 CFS
DMA-11	21,070	2,913	18,157	ROOF, HARDSCAPE	18,448	BB12	738	806
DMA-12	9,225	1,407	7,818	ROOF, HARDSCAPE	7,959	BB13	318	395
DMA-13	4,155	414	3,741	ROOF, HARDSCAPE	3,782	BB14	151	255
DMA-14	525	359	166	HARDSCAPE	-	SR2	83	168
DMA-15	236	93	143	HARDSCAPE	-	SR3	72	74
DMA-16	410	269	141	HARDSCAPE	-	SR4	71	75
DMA-17	460	372	88	HARDSCAPE	-	SR5	44	44
DMA-18	12,264	6,104	6,160	HARDSCAPE	6,770	BB19	271	447
DMA-19	2,077	478	1,599	HARDSCAPE	1,647	BB17	66	66
DMA-20	1,569	473	1,096	HARDSCAPE	1,143	BB18	46	71
DMA-21	1,573	446	1,127	HARDSCAPE	1,172	BB19	47	39
DMA-22	2,420	650	1,770	HARDSCAPE	1,835	BB20	73	75
DMA-23	2,240	591	1,649	HARDSCAPE	1,708	BB21	68	97
DMA-24	2,229	261	1,968	HARDSCAPE	1,994	BB21	80	86



MEDIA FILTER DETAIL

NTS

LEGEND

- PROPERTY LINE
- BIORETENTION BASIN/SELF-RETAINING AREA/FLOW-THRU PLANTER
- DRAINAGE MANAGEMENT AREA BOUNDARY
- DRAINAGE MANAGEMENT AREA LABEL (A-X)

SPECIAL PROJECTS - CATEGORY C CRITERIA

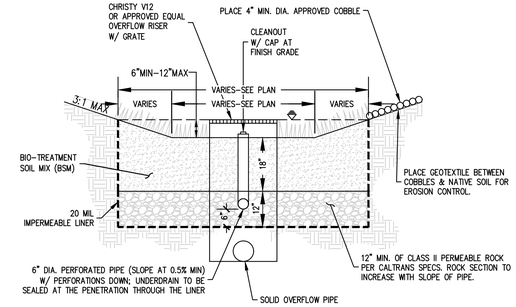
AFFORDABLE HOUSING ALLOWABLE CREDIT = 100%
APPLIED CREDIT = 30%

NOTES:

1. THE PROJECT MEETS THE REQUIREMENTS FOR SPECIAL PROJECT CATEGORY C FOR AFFORDABLE HOUSING AND IS PERMITTED TO TREAT 100% OF THE SITE WITH NON-LID SYSTEMS.
2. THIS STORMWATER CONTROL PLAN IS PRELIMINARY AND IS SUBJECT TO CHANGE IN THE FINAL DESIGN. A FINAL STORMWATER CONTROL PLAN SHALL BE SUBMITTED AND APPROVED IN THE CONSTRUCTION DOCUMENTS PHASE OF THE PROJECT.
3. THIS STORMWATER CONTROL PLAN IS IN CONFORMANCE WITH SAN MATEO'S C.3 REGULATED PROJECTS GUIDE, DATED NOVEMBER 2023.
4. EFFECTIVE IMPERVIOUS AREA = IMPERVIOUS AREA + (0.1 x PERVIOUS AREA)

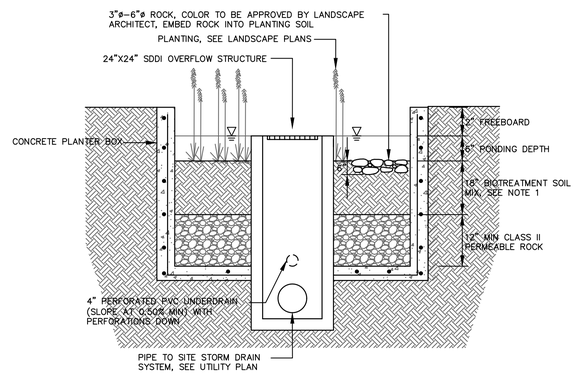
LID TREATMENT INFEASIBILITY NARRATIVE:

THE 3.94 ACRE PROJECT CONSISTS OF 91% IMPERVIOUS SURFACES (61% BUILDING + 30% EMERGENCY VEHICLE ACCESS ROAD, PG&E ACCESS PATHS & PEDESTRIAN WALKWAYS FOR CIRCULATION) AND 9% PERVIOUS SURFACES. THE MAJORITY OF THE SITE'S PERVIOUS AREAS HAVE BEEN UTILIZED FOR LID TREATMENT WHEREVER IT WAS FEASIBLE TO DO SO.



BIORETENTION BASIN DETAIL

NTS



FLOW-THROUGH PLANTER DETAIL

NTS

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PLOT DATE: 07-08-26
PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

PRELIMINARY STORMWATER CONTROL PLAN

NORTH

1"=40'

0 40' 80' 120' 160'

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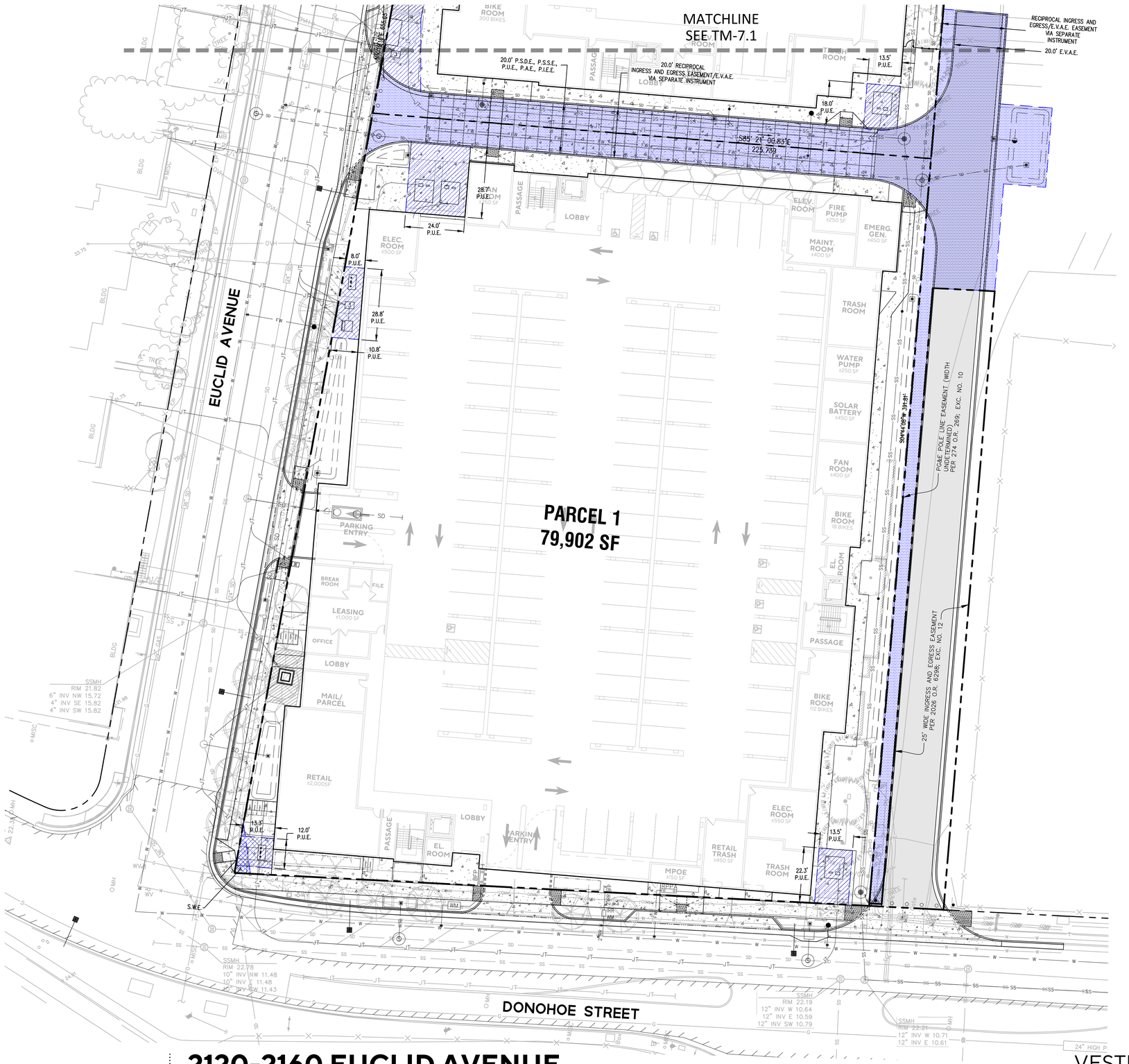
DATE: 06-10-2026



LEGEND

- PROPOSED PROPERTY LINE
- EXISTING PROPERTY LINE
- PROPOSED EASEMENT LINE
- P.U.E.
- RECIPROCAL EASEMENT
- SIDEWALK EASEMENT (S.W.E)

E.V.A.E EMERGENCY VEHICLE ACCESS EASEMENT
P.U.E PUBLIC UTILITY EASEMENT
S.W.E. PUBLIC SIDEWALK EASEMENT

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PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

VESTING TENTATIVE MAP

NORTH

1"=20'
0 20' 40' 60' 80'

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JOB NO. 20231634
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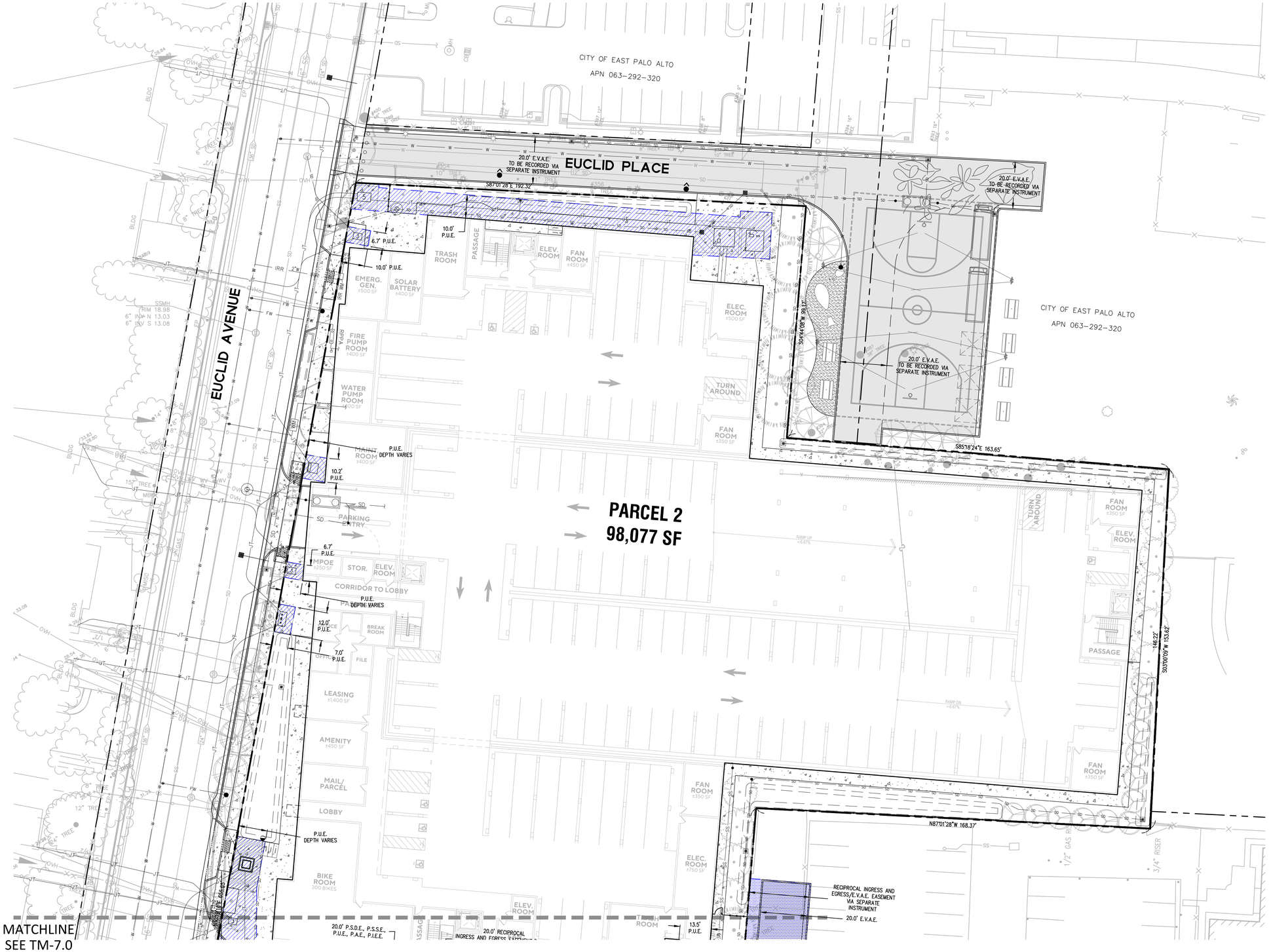

LEGEND

- PROPOSED PROPERTY LINE
- EXISTING PROPERTY LINE
- PROPOSED EASEMENT LINE
- P.U.E.
- RECIPROCAL EASEMENT
- SIDEWALK EASEMENT (S.W.E)

E.V.A.E EMERGENCY VEHICLE ACCESS EASEMENT
P.U.E PUBLIC UTILITY EASEMENT
S.W.E. PUBLIC SIDEWALK EASEMENT

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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PLOT DATE: 07-08-26
PLOTTED BY: ken

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

VESTING TENTATIVE MAP

NORTH
1"=20'
0 20' 40' 60' 80'

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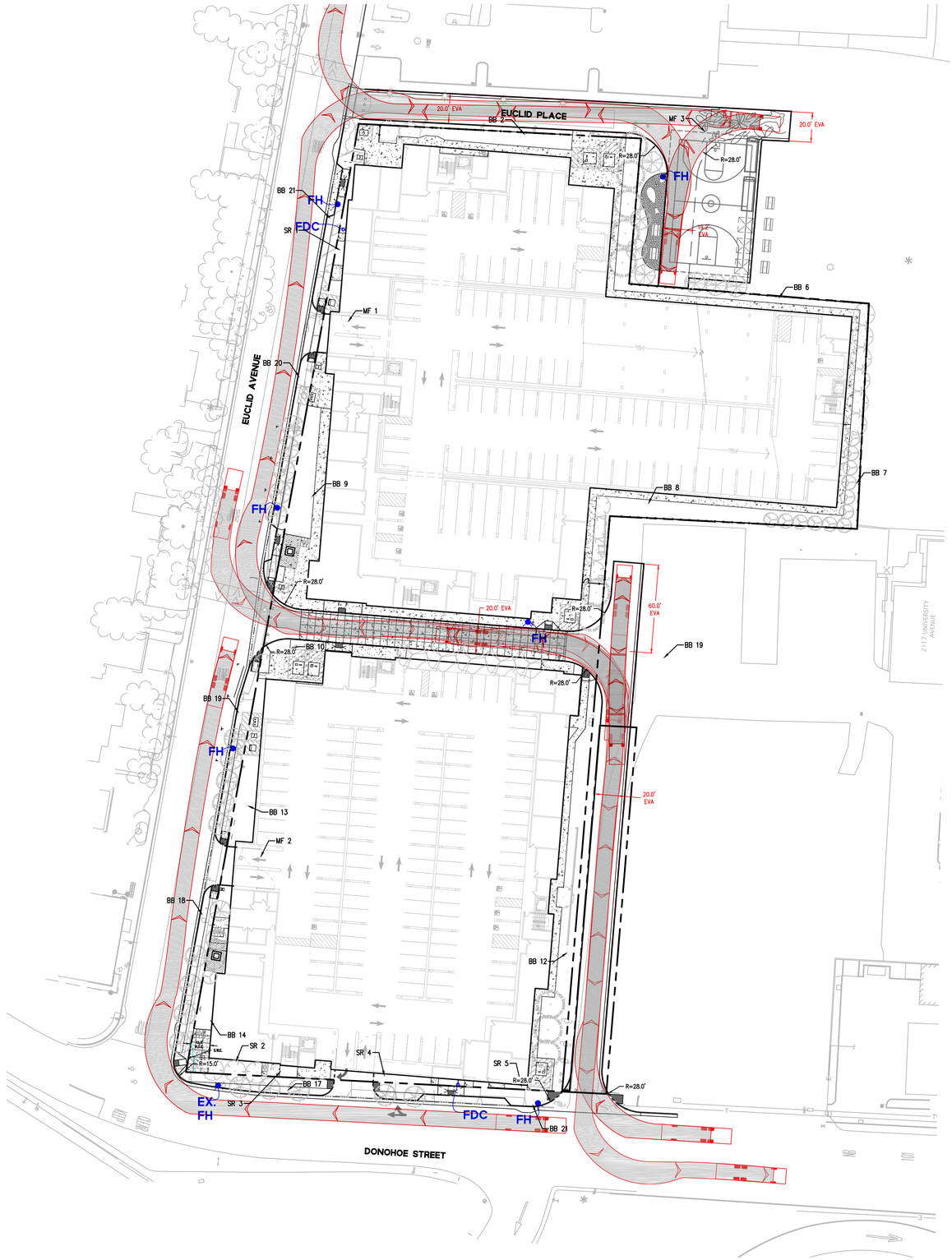
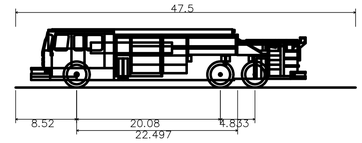


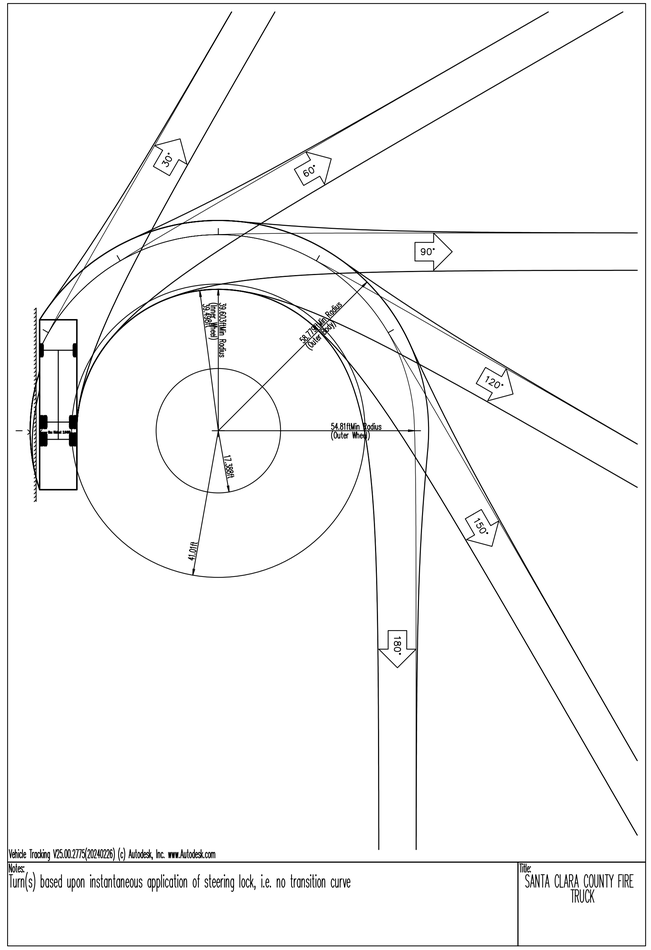
LEGEND

PROPERTY LINE	
NEW FIRE HYDRANT	FDC
FIRE DEPARTMENT CONNECTION (FDC)	FH



SANTA CLARA COUNTY FIRE TRUCK

Overall Length	47.500ft
Overall Width	10.400ft
Overall Body Height	8.135ft
Min Body Ground Clearance	1.047ft
Track Width	10.400ft
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	26.70°



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PLOT DATE: 07-08-26 PLOTTED BY: kan

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

FIRE CIRCULATION PLAN

NORTH

0 40' 80' 120' 160' 1"=40'

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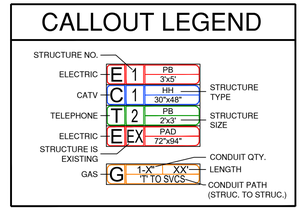
TM-8.0

JOB NO. 20231634
DATE: 06-10-2026

* NOTE TO CONTRACTOR:
CAP FOR UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE LOCATIONS OF THE EXISTING UTILITY TRENCH, VERIFY EXACT LOCATION PRIOR TO BIDDING

** ELECTRIC SERVICE NOTE:
CUSTOMER OWNED, INSTALLED & MAINTAINED SERVICE WIRE & CONDUIT (INSTALLED BY GC) - DISCONNECT & PANEL AT BUILDING PER ELECTRICAL ENGINEER (PER NEC)

CALLOUT LEGEND



LEGEND

- PG&E #7 (4'6" x 8'6") PRIMARY ENCLOSURE
- PG&E PAD (50" x 52") DF-LB
- PG&E #2E (17"x 30" x 26")
- PG&E #3 (24"x 36")
- PG&E PMI-9
- PG&E IIEP (90"x 106")
- PG&E ELECTRIC PRIMARY TRENCH
- PG&E ELECTRIC SERVICE TRENCH
- EXISTING OH ELECTRIC
- EXISTING OH TEL WIRE

utility design
1211 Puerta Del Sol, Ste. 270
San Clemente, CA 92673
Phone: 949.582.2755

2120 - 2160 EUCLID AVENUE

EUCLID AVE & DONOHOE ST - EAST PALO ALTO, CA, 94303

Conceptual Utility Exhibit

REVISIONS

No.	Date	Description
1	4/22/26	The conceptual linework has been added to our DU exhibit.
2	4/28/26	The Demo layer has been removed from the DU-Exhibit.
3	5/11/26	The LW has been updated per redlines & comments.
4	5/29/26	The Building-A & Building-B footprints have been updated.
5	6/01/26	The LW has been updated per redline & comments.
6	6/10/26	The DU-Exhibit has been updated per comments.

FOR DESIGN STUDY ONLY
NOT FOR CONSTRUCTION

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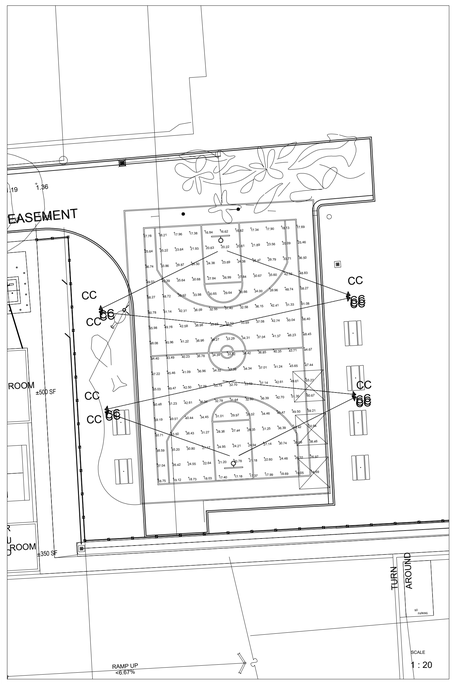
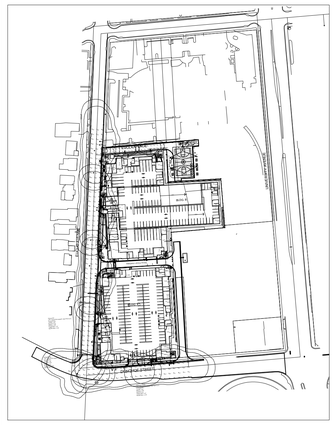
DRAWN BY:	E4 DESIGN - O.B.
PROJECT NUMBER:	PAC150
DATE:	06-10-2026
PROJECT MANAGER:	JULIE DUNCAN
SHEET:	DU-1





Luminaire Schedule - LED

Project: 2120 - 2160 EUCLID AVENUE - EAST PALO ALTO

Symbol	Qty	Label	Arrangement	LLF	Luminaire Lumens	Luminaire Watts	Description	Filename
	6	AA2	Single	0.900	28725	188	KC2-72A-MV-40K7-T2R-XX-P26 @ 31.5' + 6' ARM	KC2-72A-MV-40K7-T2R-XX-P26 S.ies
	1	AA	Single	0.900	14234	90	LEOTEK KC1-36A-MV-40K7-T3R-XX-P17 @ 31.5' + 6' ARM	KC1-36A-MV-40K7-T3R-XX-P17 S.ies
	2	BB	Single	0.900	1397	14.34	LUMEC S-OSPxHx-15W40LED-840-G1-2F-HS - 14' POLE	S-OSPxHx-15W40LED-840-G1-2F-HS.ies
	8	CC	Single	0.850	60258	366	STONCO GMFL-A01-740-6X6 @ 25'	GMFL-A01-740-6X6.ies

Calculation Summary

Project: 2120 - 2160 EUCLID AVENUE - EAST PALO ALTO

Description	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
BASKETBALL COURT AREA @ 3FT AFG	Illuminance	Fc	34.83	61.08	16.62	2.10	3.68
DONOHOE STREET	Illuminance	Fc	2.43	6.03	0.51	4.76	11.82
EUCLID AVE	Illuminance	Fc	2.09	6.05	0.49	4.27	12.35
EUCLID PLACE	Illuminance	Fc	1.09	3.21	0.46	2.37	6.98
INTERSECTION	Illuminance	Fc	1.88	3.23	0.91	2.07	3.55

LEOTEK

KarbonCobra LED Streetlight Series
KC2 Specification Data Sheet

Project
Type
Catalog No.

Luminaire Data
Weight 10.6 lbs [4.8kg]
EPA 0.46 ft²

Ordering Information
Sample Catalog No.: KC2-72A-MV-30K7-T2R-D81-CF-P5-SP2-P5-WL1-4B-BBL-IP54-PTE-RWG

New Features
- 7 Pin Control Ready Receptacle Standard.
- Luminaire-level IP54 rating optional.
- Up to 20+ Performance Codes.
- Full dimming capability with P5, up to 2000+ output options.
- Up to 50°C rating.
- Die-cast aluminum ADC1 housing.
- Single Hand door release, tool free.
- Improved Optical Performance with more distribution options.
- Standard 3-position straight terminal block.

Product	LED Code	Voltage	Color Temp CRI	Optical Distribution	Finish*	Performance Code
KC2 KarbonCobra Size 2	72 A 72 LEDs Gen-A	MV 120-277Vac HV 347-480Vac	22K7 2200K, 70CRI 27K7 2700K, 70CRI 30K7 3000K, 70CRI 40K7 4000K, 70CRI 50K7 5000K, 70CRI 30KB* 3000K, 80CRI 40KB* 4000K, 80CRI 50KB* 5000K, 80CRI	T2R Type-2(regular) T2F Type-2(forward) T3R Type-3(regular) T3F Type-3(forward) T4R Type-4(regular) T4F Type-4(forward) T5 Type-5	BK Black DB1 Dark Bronze (RAL8019) GY Gray CF* Coastal Finish	P1 to P26 (See Page 3, 4 for details)

Driver & Control Options		General Options		General Accessories*	
Driver Options (0-10V driver standard)		Surge (10kV/5kA, Fail-to-On Surge Protection Device standard)		Shields*	
DA1*	DALI D4i Driver	LSP2	20kV/10kA Extreme Surge, Fail-to-Off	CSSKC2	Cut-On-Sac Shield, Snap-On*
		SP2	20kV/10kA Extreme Surge, Fail-to-On	FSSKC2	Front Side Shield, Snap-On*
Receptacle Options (ANSI 7-PIN Control Ready Receptacle standard.)*		Wattage Label		HSSKC2	House Side Shield, Snap-On*
LPCR	No Receptacle On Top of the luminaire	WL	Wattage Label, ANSI C136.15-2015 compliant	VHSKC2	80 Degree Cutoff Shield, Snap-On*
TLR4LI*	D4i DALI 4-PIN Twist Lock Receptacle (Top)	WL1	Wattage Label, ANSI C136.15-2020 compliant	Mounting Brackets (Specify finish)**	
TLB4LI*	D4i DALI 4-PIN Twist Lock Receptacle (Bottom)	Shields*		PTB	Pole Top Tenon Horizontal Arm Bracket
Control Options		CSS	Cut-On-Sac Shield, Snap-On (factory installed)	PTB2	Pole Top Tenon Horizontal Arm Bracket (2@180°)
LLNC*	Long Life Photocell	FSS	Front Side Shield, Snap-On (factory installed)	RPB	Round Pole Horizontal Arm Bracket
PC*	Field Adjustable Performance Selector	HSS	House Side Shield, Snap-On (factory installed)	SPB	Square Pole Horizontal Arm Bracket
SC	Shorting Cap	VHS	80 Degree Cutoff Shield, Snap-On (factory installed)	WB	Wall Horizontal Arm Bracket
DA1*	Diagnostics Driver	Other		Other**	
DMSLP*	Diagnostics Driver, Wireless Programmable	4B	4-Bolt Mounting Bracket	BSE	Bird Deterrent Spider Kit
DMSLP2*	Diagnostics Driver, Wireless Programmable	BBL	Bubble level (inside of the housing)	LLPCMV	Long Life Photocontrol MV
		DSC	Optional Door Safety Cable	LLPCHV	Long Life Photocontrol HV
		DFXXX*	Double Fuse ('XXX' = specify 208, 240, 480V)		
		IP54*	Luminaire level IP54 rating		
		FTX*	12 AWG Three-Wire Pigtail with Length in Feet ('X' = specify length 3, 6, 10)		
		RWG	Rubber Widdle Guard		
		SFXXX*	Single Fuse ('XXX' = specify 120, 277, 347V)		

*Unless specified for field installation, Shields are shipped installed.
**All Mounting and Other Accessories are ordered & shipped separately, not to be included in the luminaire's catalog number.

1. BOCN option only available in 3000K, 4000K & 5000K CCTs and may have longer lead times (contact factory).
2. Specify the CF Option for coastal installation. See warranty for details.
3. "ITUNL" & "TLINL" twist lock receptacle option requires "D4i" DALI driver option to be selected.
4. ANSI 7-PIN Control Ready Receptacle standard, is compatible with "SC, "LLPC, and Networked Lighting Controls (NLC) nodes (by LEOTEK or others).
5. "LLPC" & "SC" do not ship installed, included w/ luminaire.
6. "PC" Photocontrol Performance Selector provides field adjustable light output dimming control from the specified Performance Code (see table on pg.5 for details).
7. When 'IP54' is specified, 'RWG' will be included.
8. For single or double fusing, 'XXX' must specify required voltage.
9. "DMSLP" & "DMSLP2" require "DA1" driver option.
10. "DMSLP2" or "DMSLP" Zhaga Book 18 motion sensor option require both "D4i" DALI driver option and "ITUNL/ D4i DALI 4-PIN twist lock receptacle (bottom) to be selected.
Top receptacle for use with wireless DALI control node (by LEOTEK or others).

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KC2 Specification Sheet 7-28-25. All specifications are subject to change without notice.

Stonco KEENE

Rec Sports Floodlighting

GameFlood

GMFL

Stonco Keene GameFlood outdoor recreational sports LED floodlighting provides unparalleled performance and energy savings at an affordable price point, ensuring that any outdoor sport facility is illuminated to perfection. GameFlood is the optimal solution for municipalities, schools, parks & recreation, and collegiate practice spaces. Equipped with a standard visor that shields high-efficiency symmetric NEMA optics, GameFlood illuminates recreational sports facilities with precision so that you can light the way to victory.

Project:
Location:
Cat./No:
Type:
Lamps: Qty:
Notes:

Ordering guide Example: GMFL-A03-740-4x4-YOK-HVU-SP2-BK

Luminaire	Configuration (nominal lumens)	Color Temperature	Distribution	Mounting	Voltage (5-10% dimming driver standard)	Surge Protection	Finish
GMFL				YOK			BK
GMFL GameFlood Recreational Sportslighter with visor	A01 60,000 A02 80,000 A03 100,000	740 70CRI 4000K 760 70CRI 5000K	2x3 NEMA 2x3 4x4 NEMA 4x4 5x5 NEMA 5x5 6x6 NEMA 6x6	YOK Yoke Mount (10' or 3.05m cord exits luminaire)	UNV 120-277VAC HVU 347-480VAC (remote driver available, contact factory*)	Blank SP1 10kV/10kA (standard) SP2 20kV/10kA (option)	BK Black

1. Must contact factory prior to ordering. Extended lead times apply.

Accessories (ordered separately, field installed- mounting hardware included)

GMFL-YTA	Yoke to tenon mounting adapter, fits 2-3/8" O.D tenon, black finish
GMFL-LAD	Laser aiming device (only 1 needed per job)

Specifications

Housing and Heat Sink
Main housing and driver/electrical compartment housing each are single piece low copper die cast aluminum alloy for low resistance to corrosion. Both housings also act as heat sinks, designed to ensure high efficacy and superior cooling by natural convection. Effective heat sinking leads to LEDs and drivers optimizing their efficiency and life. Product does not use any cooling device with moving parts (only passive cooling).

Driver/Electrical Door
Single piece low copper die cast aluminum alloy for low resistance to corrosion door provides access to electronic components, hinged and removable. Door secured with captive screws outside of gasket perimeter.

Visor
Robust single piece sheet metal, always painted to improve corrosion resistance, black finish to improve shielding. Always comes standard and is included - field installed, hardware included.

Mounting
Integral structural steel adjustable yoke for direct surface mounting. Painted for resistance to corrosion, with 2 bolts (one on either side) to lock in aiming angle. Ships fully assembled,ready to install (mounting hardware by others). 10' (3.05m) of AWG 16-3 SJTOW cord exits the yoke base for connection by others. IP66 liquid tight connector to ease cord exit point.

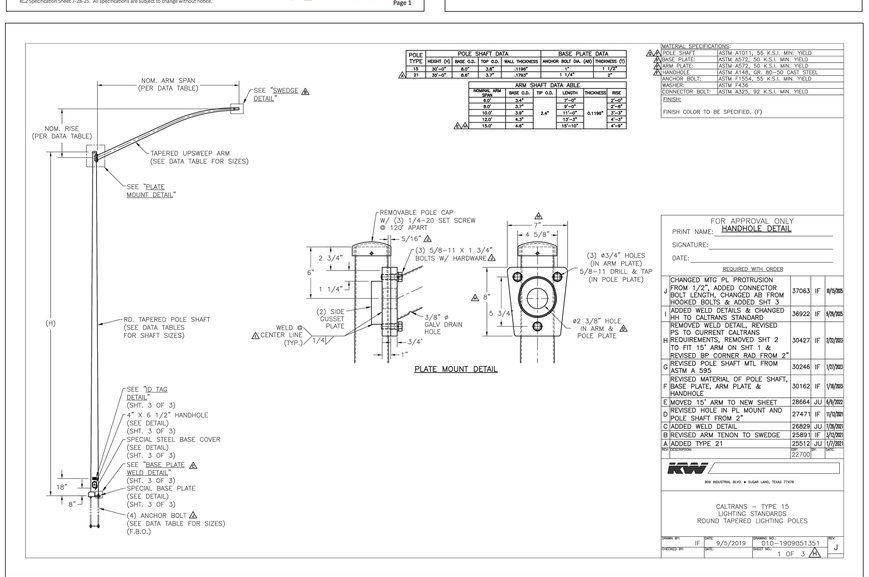
Aiming
Vertical aiming marks every 10 degrees with indicator, bolts to secure aiming in place. Horizontal aiming protractor with aiming marks every 10 degrees, bolt (by others) to secure aiming in place.

Light Engine
3 main components: LED Module/Optical System/Driver. Electrical components are RoHS compliant. LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines, extrapolations in accordance with IESNA TM-21. Metal core substrate ensures greater heat transfer and longer lifespan.

LED Module
Comprised of high performance white LEDs. Color temperature as per ANSI/NEMA bin 4000K nominal (3985K +/- 275K) standard. 5000K nominal (5029 +/- 283K) - must contact factory prior to ordering. Both CRI 70 min.

Optical System
High performance UV stabilized optical grade polymer refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance.

Driver
High power factor of 90% min. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 or 347 to 480 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 6kV. Remote driver available - contact factory.



POLE TYPE	POLE SHAFT DATA: HEIGHT (V)	BASE O.D.	TOP O.D.	WALL THICKNESS	BASE PLATE DATA: ANCHOR BOLT DIA. (AB)	THICKNESS (T)
15	30'-0"	8.0"		.179"		1 1/4"
21	35'-0"	8.0"	3.7"	.179"	1 1/4"	2"

ARM SHAFT DATA ABLE: NOMINAL ARM SPAN	BASE O.D.	TIP O.D.	WALL THICKNESS	LENGTH	RISE
5.0'	3.5"			1'-0"	2'-0"
8.0'	3.5"			2'-0"	2'-0"
10.0'	3.5"	2.4"	0.119"	11'-0"	3'-3"
12.0'	4.5"			12'-3"	4'-3"
15.0'	4.5"			15'-10"	4'-6"

MATERIAL SPECIFICATIONS:	
POLE SHAFT:	ASTM A1011, 55 K.S.I. MIN. YIELD
BASE PLATE:	ASTM A572, 50 K.S.I. MIN. YIELD
ARM PLATE:	ASTM A572, 50 K.S.I. MIN. YIELD
HANDHOLE:	ASTM A148, GR. 80-50 CAST STEEL
ANCHOR BOLT:	ASTM F1554, 55 K.S.I. MIN. YIELD
WASHER:	ASTM F436
CONNECTOR BOLT:	ASTM A325, 92 K.S.I. MIN. YIELD
FINISH:	
FINISH COLOR TO BE SPECIFIED. (F)	

FOR APPROVAL ONLY
PRINT NAME: HANDHOLE DETAIL
SIGNATURE:
DATE:
REQUIRED WITH ORDER

REV	DESCRIPTION	DRAWN	BY	DATE
K	CHANGED MTG PL PROTRUSION FROM 1/2", ADDED CONNECTOR BOLT LENGTH, CHANGED AB FROM HOOKED BOLTS & ADDED SHT 3	37063	IF	9/5/2025
J	ADDED WELD DETAILS & CHANGED HH TO CALTRANS STANDARD	36922	IF	6/9/2025
H	REMOVED WELD DETAIL, REVISED PS TO CURRENT CALTRANS REQUIREMENTS, REMOVED SHT 2 TO FIT 15' ARM ON SHT 1 & REVISED BP CORNER RAD FROM 2"	30427	IF	1/22/2025
G	REVISED POLE SHAFT MTL FROM ASTM A 595	30246	IF	1/7/2025
F	REVISED MATERIAL OF POLE SHAFT, BASE PLATE, ARM PLATE & HANDHOLE	30162	IF	1/16/2025
E	MOVED 15' ARM TO NEW SHEET	28664	JU	6/5/2020
D	REVISED HOLE IN PL MOUNT AND POLE SHAFT FROM 2"	27471	IF	11/1/2019
C	ADDED WELD DETAIL	26829	JU	7/8/2019
B	REVISED ARM TENON TO SWEDGE	25891	IF	1/10/2019
A	ADDED TYPE 21	25512	JU	11/1/2018

DRAWING NO. 22705

KW
909 INDUSTRIAL BLVD. ● SUGAR LAND, TEXAS 77478

CALTRANS – TYPE 15
LIGHTING STANDARDS
ROUND TAPERED LIGHTING POLES

DRAWN BY:	IF	DATE: 9/5/2019	DRAWING NO.: 010-190905135	REV: J
CHECKED BY:		DATE:	SHEET NO.: 1 OF 3	

Note: Unless otherwise specified - the lamp lumen depreciation (LLD) for legacy sources used in these calculations is based on published mean lumen ratings by major lamp manufacturers; 0.80 LLD for pulse start metal halide; 0.90 LLD for high pressure sodium; 0.95 LLD for linear T8 and T5 fluorescent; 0.86 LLD for compact fluorescent and induction; 0.88 LLD for Cosmo and Elite lamps. 0.94 LDD for all LED sources. Unless otherwise noted - 0.90 luminaire dirt depreciation (LDD) is commonly applied. In cases where appropriate - ballast factor (BF) is applied. Additional user defind factors (UDF) may be applied if necessary to represent luminaire performance to a higher degree of accruracy. Total light loss factor (LLF) is the product of all multiplied loss factors.

PLAN LIGHTING - PHOTOMETRIC ANALYSIS - LAYOUT RECOMMENDATION

(ALL VALUES SHOWN ARE MAINTAINED HORIZONTAL FOOTCANDLES AT FINISHED GRADE, U.O.N.)

PRELIMINARY - NOT FOR CONSTRUCTION
NOT FOR QUOTING PURPOSES

Associated Lighting Representatives, Inc.
Orange: Lake Forest/Irvine
Ventura: Camarillo
Los Angeles: Woodland Hills
San Diego: Kearny Mesa
Phone: 714.557.3555
Fax: 714.557.3556
Web: alrlighting.com

PHOTOMETRIC DATA USED AS INPUT FOR THESE CALCULATIONS IS PUBLISHED BY THE MANUFACTURER AND IS BASED ON LABORATORY TESTS. FIELD PERFORMANCE WILL DEPEND ON ACTUAL LAMP, BALLAST, ELECTRICAL, AND SITE CHARACTERISTICS.

Calculations have been performed according to IESNA standards and good practice. Some differences between measured values and calculated results may occur due to measurement techniques and field conditions such as voltage and temperature variations, reflective surfaces and point coordinates not falling directly on the calculation grid. Maximum and point coordinate values are more significantly affected by differences and occur between measured values and calculated values.

Lighting Analysts
Illuminating Engineering Software
www.agi32.com
AGI32, VERSION 22.1
LIGHTING ANALYSTS INCORPORATED - REVALUE SOFTWARE
8800 BAYMEADOWS WAY WEST, SUITE 500, JACKSONVILLE, FL 32256

PROJECT DESCRIPTION: 2120 - 2160 EUCLID AVENUE CITY OF EAST PALO ALTO

DRAWING NO. - SHEET # E: 25072REV-R4.DWG / 25072REV-R4.A32

REV: 4 | SHEET: 1 OF 1 | DATE: 07.09.2026 | SCALE: 1 : 40

PREPARED FOR: BKF ENGINEERS

DATE REPRESENTATIVE: KRISTIAN REYES, ASSOCIATED LIGHTING REPRESENTATIVES, INC.

APPLICATION ENGINEER(S): RAMON ZAPATA, ASSOCIATED LIGHTING REPRESENTATIVES, INC.

LIGHTING FLAG NOTES

1 NOT USED

LIGHTING SHEET NOTES

1. ADEQUATE LIGHTING DEMONSTRATED DURING CONSTRUCTION DOCUMENT

General Photometric Schedule	
AVERAGE FOOT–CANDLES	1.24
MAXIMUM FOOT–CANDLES	8.8
MINIMUM FOOT–CANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	8.76 / 0.00
AVERAGE TO MINIMUM FC RATIO	1.24 / 0.00

Boundary Photometric Schedule	
AVERAGE FOOT–CANDLES	0.01
MAXIMUM FOOT–CANDLES	0.1
MINIMUM FOOT–CANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	0.15 / 0.00
AVERAGE TO MINIMUM FC RATIO	0.01 / 0.00

SITE LIGHTING PLAN

SCALE: 1" = 40'

2120-2160 EUCLID AVE

EAST PALO ALTO, CA

THE PACIFIC COMPANIES

JOB NO. 2025-1061
DATE 06-10-2026

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LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	DESCRIPTION	LAMP	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTES	OTHER NOTES
S1-1	⌔	16' POLE MOUNTED BLACK FINISH LED LIGHT FIXTURE, WITH INTEGRAL MOTION SENSOR, AND HOUSE SIDE SHIELD & EXTERNAL GLARE SHIELD	(1) 45W LED 3000K	ELECTRONIC	16' BLACK SQUARE STEEL POLE, 4" SQUARE, WITH CONCRETE BASE	LITHONIA DSXO-P2-30K-T4M-MVOLT-SPA-PIR-DBLXD	45	120V 1P 2W	DIM TO 50% AND RAMP UP TO 100% WHEN OCCUPIED WITH 20 MIN DELAY	B1-U0-G3
S3-1	•	EXTERIOR WALL LED, SMALL CYLINDER, 10" TALL, FULL CUTOFF, MEDIUM FLOOD, 3000K, BLACK FINISH	(1) 11W LED 3000K, 90CRI	DIMMING	WALL	WAC LIGHTING WAC-WS-36610-3000K-11W-735-560-BK	11	120V 1P 2W	EXTERIOR WALL. PROVIDE WITH 4" OCTOGON BOX, 1-1/2" DEEP WITH 1-1/2" BOX EXTENSION. LOCATE DRIVER WITHIN DEEP BOX MOUNT AT 7' (TYP).	
S5	▪	11"x5"x6.5" EXTERIOR LED WALL MOUNT, BLACK, FULL CUTOFF	(1) 11W LED 4000K	ELECTRONIC	WALL	LITHONIA ARC1 LED P1 40K MVOLT DMG DBLXD	11	MULTIPLE	EXTERIOR WALL MOUNT MOUNT AT 10' (TYP)	B0-U0-G0

D-Series Size 0
LED Area Luminaire

Catalog Number
Notes
Type

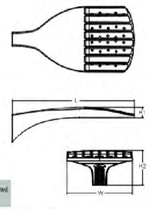
Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Specifications

EPA:	0.44 ft² (0.04 m²)
Length:	26.18" (665 mm)
Width:	14.06" (357 mm)
Height H1:	2.26" (57 mm)
Height H2:	7.46" (189 mm)
Weight:	23 lbs (10.4 kg)



design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/design-select. *See ordering tree for details

Design Select options indicated by this color background.

Ordering Information **EXAMPLE:** DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX0 LED	Forward optics: P1 P5, P2 P6, P3 P7, P4 Rotated optics: P10, P12, P11, P13	(this section 70CRI only): 30K 3000K, 40K 4000K, 50K 5000K (this section 80CRI only, extended lead times apply): 27K 2700K, 30K 3000K, 35K 3500K, 40K 4000K, 50K 5000K	70CRI, 70CRI, 70CRI 80CRI, 80CRI, 80CRI, 80CRI	AFR Automotive Front row; T1S Type I short; T2M Type II medium; T3LG Type III low glare; T3M Type III medium; T4LG Type IV low glare; T4M Forward throw medium; T5M Type V medium; T5W Type V wide; BLC5 Type III backlight control; BLC4 Type IV backlight control; LCCO Left corner cutoff; RCCO Right corner cutoff	MVOLT (120V-277V); HVOLT (347V-480V); 3VOLT (277V-480V); 120; 208; 240; 277; 347; 480	Shipped included: SPA Square pole mounting (4ft drilling, 3.5" min. SQ pole); RPA Round pole mounting (4ft drilling, 3" min. RND pole); SPA5 Square pole mounting (5ft drilling, 3" min. SQ pole); RPA5 Round pole mounting (5ft drilling, 3" min. RND pole); SPA8N Square corner pole mounting (8ft drilling, 7" min. SQ pole); WBA Wall bracket; MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options	Other options	Finish (required)
Shipped installed: NLTAIR2 PIRHN (NLTAIR2 sensor 7 enabled with bi-level motion & ambient sensor, 8-40' mounting height, ambient sensor enabled at 25 fc); PIR (High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 25 fc); PER (NEMA twist-lock receptacle only (no shorting cap included)); PER5 (Five-pin receptacle only (controls ordered separately))	PER7 Seven-pin receptacle only (controls ordered separately); FAO Field adjustable output; BL30 Bi-level switched dimming, 30%; DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	**Shipped installed**: HS House-side shield (black/field standard); L90 Left rotated optics; R90 Right rotated optics; CCE Coastal Construction; HA 50°C ambient operation; BAA Buy American Act Compliant; SF Single fuse (120, 277, 347V); DF Double fuse (208, 240, 480V) **Shipped separately**: BSSR External Glare Shield (universal, field install required, matches housing finish); BSDB Bird Spikes (field install required)	DDBXD Dark Bronze; DBLXD Black; DNAXD Natural Aluminum; DWHXD White; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white

LIGHT FIXTURE

S1-1

SCALE: NONE

WAC LIGHTING

Caliber

Outdoor Wall Sconce 3000K

Fixture Type:
Catalog Number:
Project:
Location:

Model & Size	Color Temp & CRI	Watt	Lumens	Finish
WS-W36610 10" - 1 Light	3000K 90	11W	560	AL Brushed Aluminum, BK Black, BZ Bronze

Example: **WS-W36610-BZ**

For custom requests please contact customs@waclighting.com

DESCRIPTION

Light projection tuned with precision.

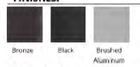
FEATURES

- Discrete cylinder with minimal mounting hardware
- Weather-resistant powder coated finish
- WS-W36614 is Up & down light, WS-W36610 is one direction
- Light engine is factory sealed for maximum protection from the elements
- Driver concealed within the fixture
- 5 year warranty

SPECIFICATIONS

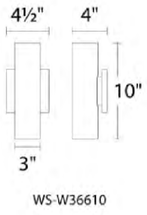
Color Temp:	3000K
Input:	120-277V,50/60Hz
CRI:	90
Dimming:	ELV: 100-10%
Rated Life:	72000 Hours
Mounting:	Can be mounted on wall vertically or horizontally
Standards:	ETL, cETL,IP65
Construction:	Wet Location Listed Aluminum hardware with lens diffuser

FINISHES:



Bronze Black Brushed Aluminum

LINE DRAWING:



WS-W36610

LIGHT FIXTURE

S3-1

SCALE: NONE

ARC1 LED
Architectural Wall Luminaire

Catalog Number
Notes
Type

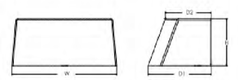
Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC1 delivers up to 3,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of ARC1, with its integrated emergency battery backup option, is ideal for over-the-door applications.

Specifications

Depth (D1):	6.5"
Depth (D2):	4.75"
Height:	5"
Width:	11"
Weight: (without options)	7 lbs



ARC LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	--	1,500	2,000	3,000	--	--
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

Ordering Information **EXAMPLE:** ARC1 LED P2 40K MVOLT PE DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
ARC1 LED	P1 1,500 Lumens; P2 2,000 Lumens; P3 3,000 Lumens	30K 3000K; 40K 4000K; 50K 5000K	MVOLT; 347[1]	E4WH Emergency battery backup, CEC compliant (4W, 0°C min.); PE Button type photocell for dusk to dawn operation; DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)[2]; SPD34KV 34kV surge protection; FAO Field adjustable light output device. Allows for easy adjustment to three desired light levels, from 20% to 100%.[2]	DDBXD Dark bronze; DBLXD Black; DNAXD Natural aluminum; DWHXD White; DSSTXD Sandstone; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white; DSSTXD Textured sandstone

Accessories

Ordered and shipped separately.

WGBW DDBXD U — Surface mounted back box (specify finish)

NOTES
1 347V not available with E4WH.
2 FAO not available with DMG.

LIGHT FIXTURE

S5

SCALE: NONE

THE PACIFIC COMPANIES

2120-2160 EUCLID AVE

EAST PALO ALTO, CA

JOB NO. 2025-1061
DATE 06-10-2026

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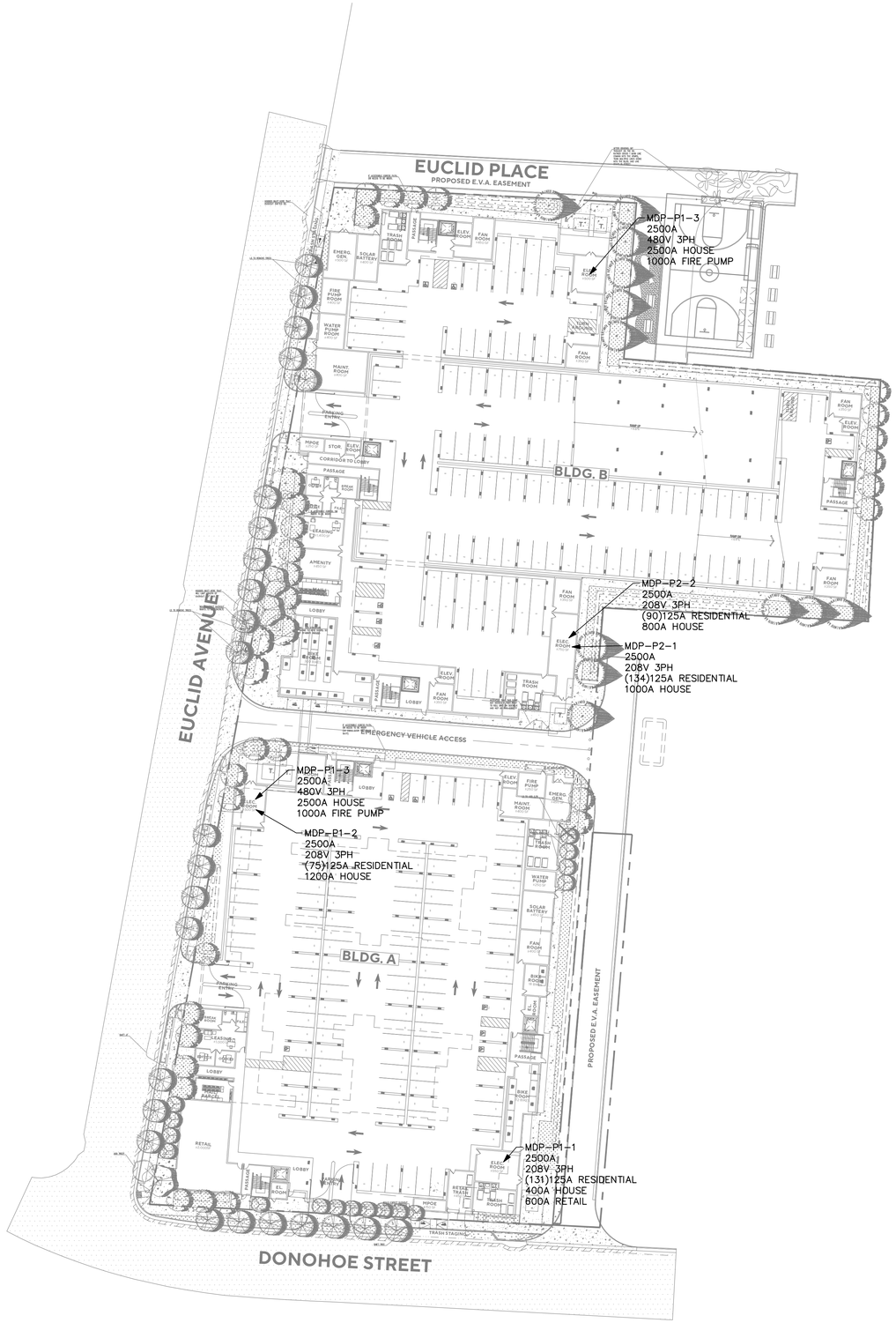

SITE POWER PLAN

SCALE: 1" = 40'

THE PACIFIC COMPANIES

2120-2160 EUCLID AVE

EAST PALO ALTO, CA

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JOB NO. 2025-1061
DATE 06-10-2026

HEXAGON TRANSPORTATION CONSULTANTS, INC.

2120 - 2160 Euclid Avenue Mixed-Use Development

Transportation Demand Management Plan

Prepared for:

The City of East Palo Alto on Behalf of USA Properties Fund

October 15, 2024

Hexagon Transportation Consultants, Inc.
Hexagon Office: 100 Century Center Court, Suite 501
San Jose, CA 95112
Hexagon Job Number: 24MH09
Phone: 408.971.6100
Client Name: Mike Allen

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1. Introduction

This Transportation Demand Management (TDM) plan has been prepared for the proposed mixed-use affordable housing development at 2120 - 2160 Euclid Avenue in East Palo Alto, California. The site is currently occupied by the Ravenswood City School District with a total of 15 permanent and portable structures, which account for approximately 49,088 s.f. of building space in total. The maintenance and bus yards for the school district also utilize the site. The project would demolish the existing structures on site and construct two five-story wrap buildings with 430 multifamily dwelling units and 2,840 square feet of retail space on a 4.086-acre lot. The proposed project would have vehicular access via Euclid Avenue with three full-access driveways, one leading to the parking garage in each building, and an emergency vehicle access driveway between the two buildings. The project would be built in phases i.e. the southern building would be built as Phase 1 (206 units and 2,840 square feet retail space) and the northern building would be built as Phase 2 (224 units). The project site location is shown in Figure 1. The project site plan is shown in Figure 2

Per the East Palo Alto Municipal Code Section 10.32.040(A), a TDM plan is required for all projects that generate more than 110 average daily vehicles trips and would have 10 or more residential units. This project would generate more than 110 daily trips and would provide more than 10 residential units, so a TDM plan is required.

TDM is a combination of services, incentives, facilities, and actions that reduce single-occupant vehicle (SOV) trips to help relieve traffic congestion, parking demand, greenhouse gas emissions, and air pollution problems. The purpose of a TDM plan is to promote more efficient utilization of existing transportation facilities and to ensure that new developments are designed to maximize the potential for sustainable transportation usage.

TDM Goal

Based on Section 10.32.090 (F) of the Municipal Code, residential developments are required to achieve a 40 percent reduction from baseline conditions in average daily trips. Based on the City of East Palo Alto TDM Program Guidelines for Multi-Family Residential Development, projects can demonstrate compliance with the 40 percent reduction by providing a TDM plan that will incorporate strategies per Section XI, Multiple Family TDM Points, of the Guidelines. Residential projects with 100 or more residential units must incorporate selected TDM strategies to meet a minimum of 10 points by providing a combination of the TDM Program Strategies included in the Guidelines.

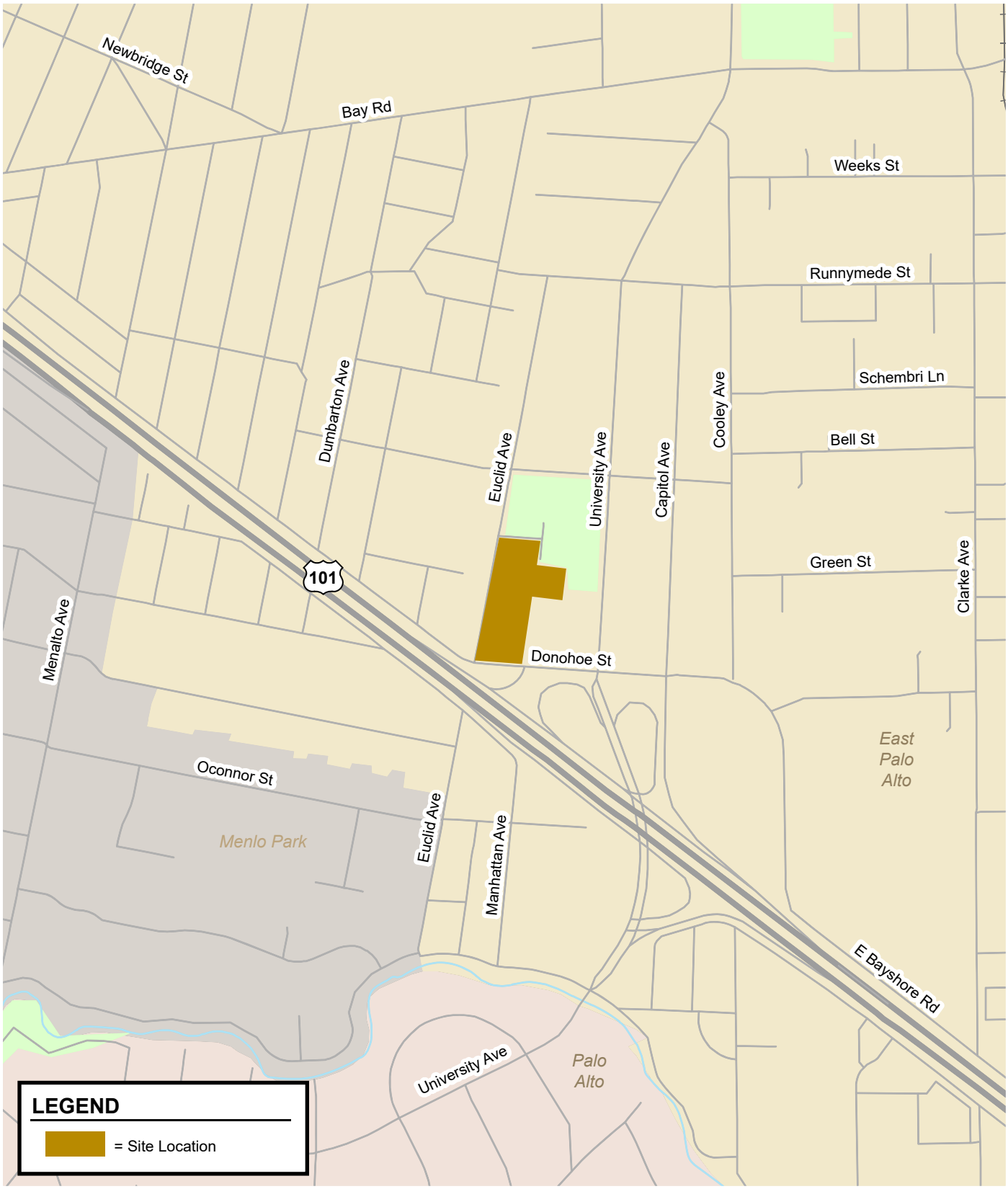


Figure 1
Site Location

Figure 2
Site Plan

2. Transportation Facilities and Services

Transportation facilities and services that support sustainable modes of transportation include buses, shuttles, and bicycle and pedestrian facilities. This chapter describes existing facilities and services near the project site that would support the TDM measures described in this plan.

Bus Routes

Existing bus service to the study area is provided by the San Mateo County Transit District (SamTrans). SamTrans provides bus service within East Palo Alto and throughout San Mateo County. The closest bus stops to the project site are located at University Avenue and Donohoe Street and serve SamTrans Routes 81, 281, 397, 280, and 2960. Access between these bus stops and the project site is provided via sidewalks located along the north side of Donohoe Street between Euclid Avenue and University Avenue, along both sides of University Avenue, and along both sides of Donohoe Street east of University Avenue. Portions of the sidewalk along the north side of Donohoe Street between Euclid Avenue and University Avenue are unpaved. The sidewalk along the project frontage would be re-built with the development of the project. The sidewalk segment immediately east of the project site is to be rebuilt as part of the approved University Plaza Phase II development, however the timeframe of this adjacent development is unknown. There is no sidewalk on the southside of Donohoe Street between Euclid Avenue and University Avenue. The existing SamTrans service in the project vicinity is described below and shown on Figure 3. The closest bus stops within a quarter mile walking distance of the project site are also shown on Figure 3.

SamTrans Route 81. Route 81 is a school-oriented route that provides service between various neighborhoods in East Palo Alto, Menlo Park, and Atherton. There is one westbound run at the University Avenue/Donhoe Street stop in the morning and one eastbound run in the afternoon.

SamTrans Route 281. Route 281 is a school-oriented route that provides service between the Belle Haven Community Campus and Stanford with 20-minute headways during the weekday hours between 5:55 AM and 10:53 PM. Within the project's vicinity, Route 281 operates along University Avenue.

SamTrans Route 280. Route 280 operates between the Palo Alto Transit Center and the University Village neighborhood with 60 to 90-minute headways during the weekday hours of 5:29 AM to 10:49 PM. Within the project's vicinity, Route 280 operates along Donohoe Street.

SamTrans Route 296. Route 296 operates between Redwood City Transit Center and the University Village neighborhood with 15-minute headways during the weekday hours of 5:15 AM to 10:44 PM. Within the project's vicinity, Route 296 operates along Donohoe Street.

SamTrans Route 296 OWL. Route 296 OWL provides overnight service between the Redwood City Transit Center and the Palo Alto Transit Center. On weekdays, there are four northbound trips between 10:50 PM and 5:18 AM and six southbound trips between 10:00 PM and 2:11 AM Within the project vicinity, Route 296 OWL operates along University Avenue.

SamTrans Route 397. Route 397 provides overnight service between San Francisco and the Palo Alto Transit Center with three northbound runs between 1:04 AM and 5:04 AM and four southbound runs between 3:22 AM and 4:45 AM. Within the project vicinity, Route 397 operates along University Avenue.

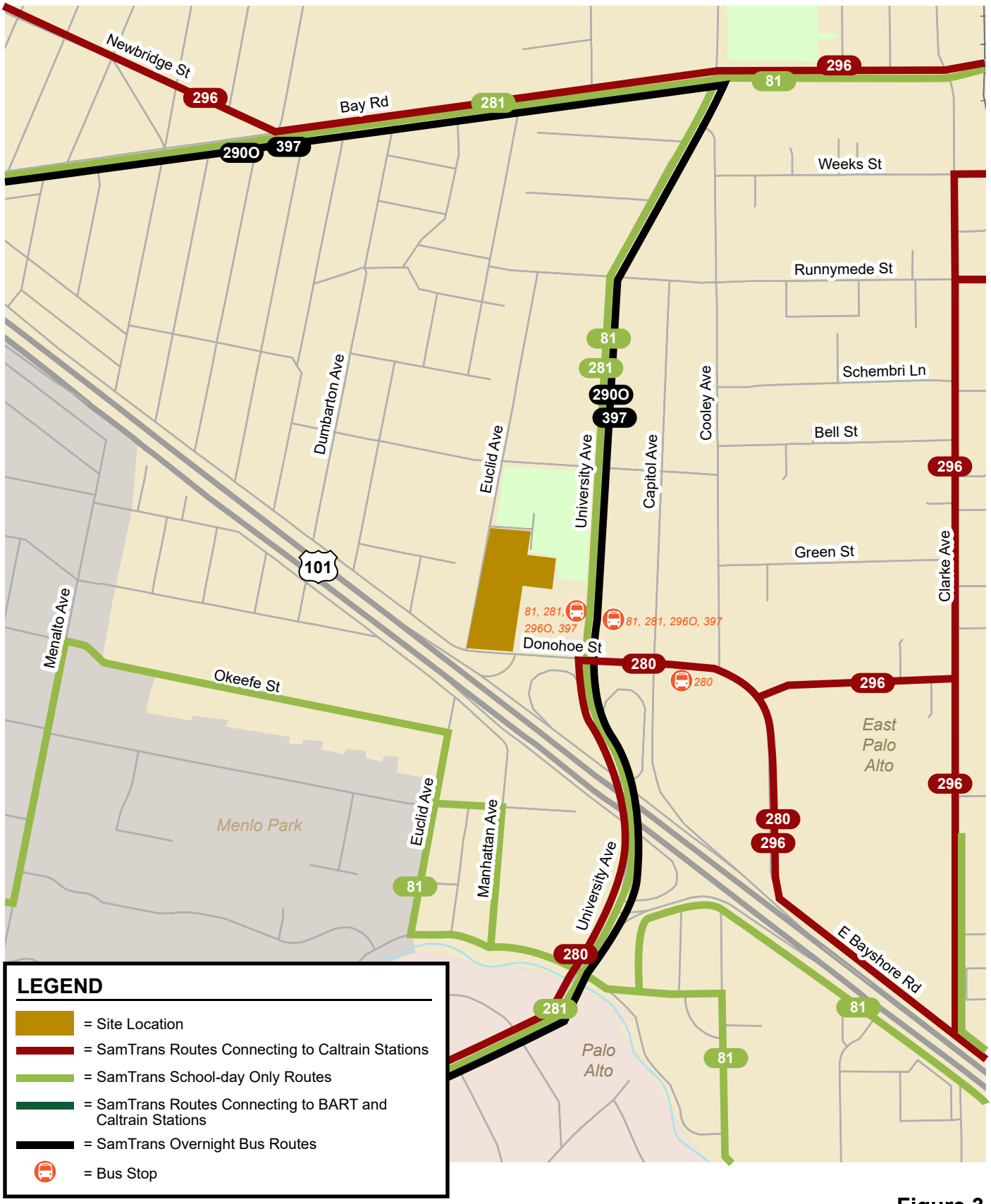


Figure 3
Existing Transit Services

Bicycle Facilities

The existing and planned bicycle facilities within one-half mile of the project site (see Figure 4) include striped bike lanes (Class II bikeway) and shared bike routes/boulevards (Class III bikeway). Bike lanes are lanes on roadways designated for use by bicycles with special lane markings, pavement legends, and signage. Bike routes are signed bike routes where bicyclists share a travel lane with motorists.

Within the immediate project vicinity, striped bike lanes are present on University Avenue, north of Donohoe Street and south of Woodland Avenue. Oakwood Drive between E. Bayshore Road and Garden Street, Dumbarton Avenue between E. Bayshore Road and Bell Street, and Runnymede Street between University Avenue and Pulgas Avenue are marked as bike routes within one half-mile of the project site. Although bicycle facilities in the project area are limited, there are many local residential streets that carry low traffic volumes and are conducive to bicyclists.

Planned Facilities

Based on the East Palo Alto Bicycle Transportation Plan, adopted in 2017, an off-street bike path (Class I) is planned along University Avenue at the US 101 interchange and along Woodland Avenue between University Avenue and Bay Trail. Bike routes are planned on E. Bayshore Road between Euclid Avenue and the Willow Road/US 101 interchange, on Euclid Avenue between E. Bayshore Road and Runnymede Street, on Runnymede Street between Euclid Avenue and University Avenue, on Cooley Avenue between E. Bayshore Road and University Avenue, along Donohoe Street between Cooley Avenue and Clarke Avenue, on Addison Avenue between E. Bayshore Road and Bay Road, Woodland Avenue between University Avenue and Manhattan Avenue, on Manhattan Avenue between Woodland Avenue and Poplar Avenue, and Capitol Avenue/W. Bayshore Road between Scofield Avenue and Clarke Crossing.

Pedestrian Facilities

The pedestrian facilities within the study area include sidewalks and striped crosswalks at major intersections. In the immediate project vicinity, sidewalks are present on both sides of Euclid Avenue, University Avenue, Bell Street, and Donohoe Street east of University Avenue. An unpaved sidewalk is present on the north side of Donohoe Street between Euclid Avenue and University Avenue. The sidewalk is missing on the south side of Donohoe Street between Euclid Avenue and University Avenue, both sides of E. Bayshore Road and on many local streets near the project. The project proposes a 6-foot-wide detached sidewalk with a landscaped buffer along the project frontage on Euclid Avenue and Donohoe Street.

The intersection of University Avenue and Donohoe Street has marked crosswalks on all but the south leg and the intersection of University Avenue and Bell Street has marked crosswalks with curb extensions on all four legs. Crosswalks are missing at unsignalized intersections near the project site like Donohoe Street and Euclid Avenue and Bell Street and Euclid Avenue. Bell Street and Euclid Avenue has curb extensions at three corners of the intersection.

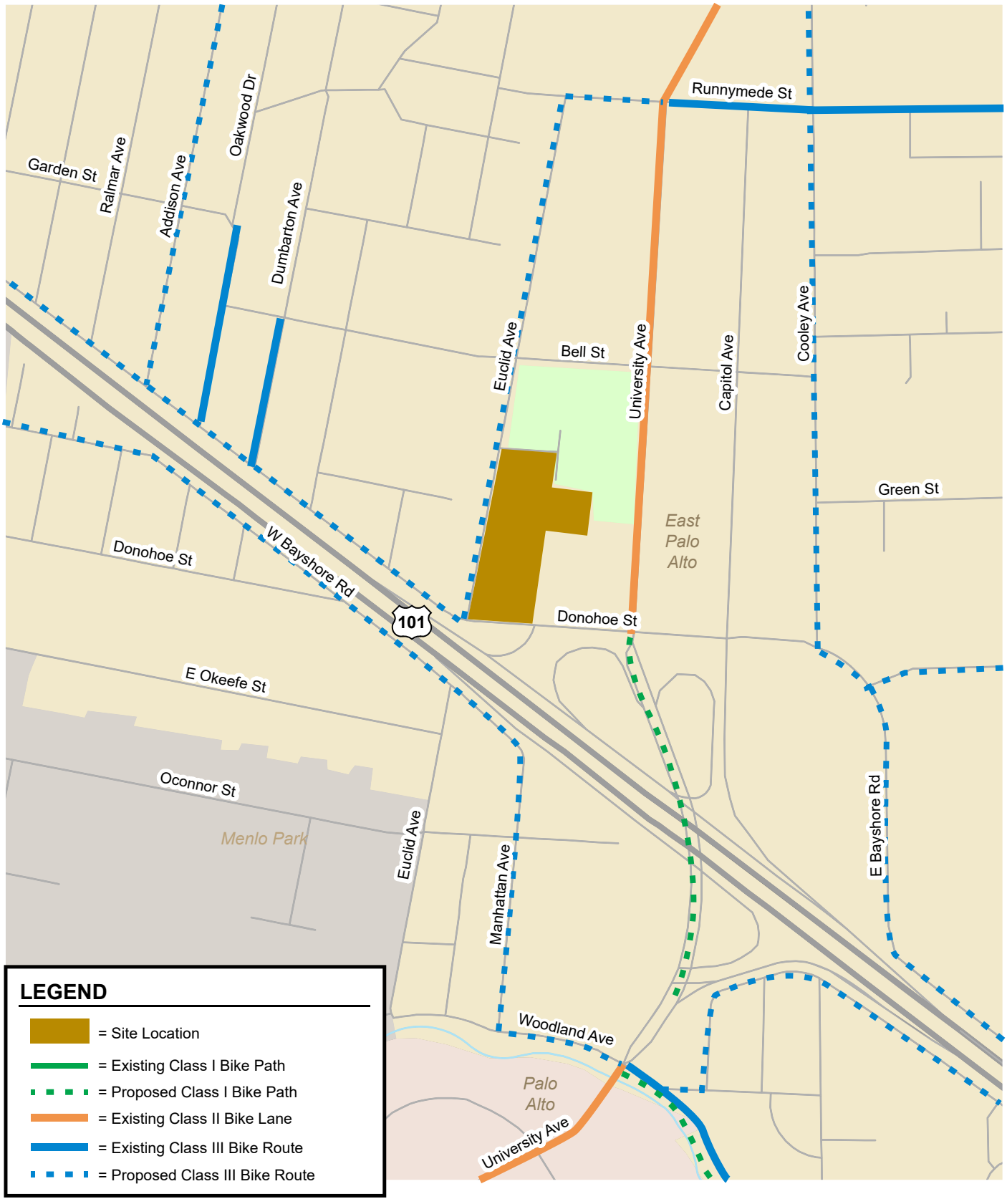


Figure 4
Existing and Planned Bicycle Facilities

3. Proposed TDM Measures

This chapter describes Transportation Demand Management (TDM) measures that will be implemented by the proposed residential project to obtain 10 TDM points from the City's TDM Program Guidelines. The TDM measures include planning and design measures that encourage walking, biking, and the use of transit. Table 1 provides a summary of TDM measures proposed and an indication of who will have primary responsibility for implementing each measure.

In accordance with the TDM Ordinance, each phase of the project is subject to TDM requirements on a pro-rata basis. The project is planned in two phases; Phase 1 involves the completion of the southern building, which includes 206 residential units and 2,840 square feet of retail and Phase 2 completes the northern building, adding 224 units, for a total of 430 residential units and 2,840 square feet of retail.

At the end of Phase 1, the project will be required to implement TDM measures to achieve a proportion of the total required TDM points, based on the percentage of units developed. Specifically, 48 percent of the total project will be completed, which corresponds to 4.8 TDM points. Upon completion of Phase 2, the project must implement the remaining TDM measures to achieve the full requirement of 10 TDM points. The measures in each phase will apply to the entire project, ensuring compliance with the TDM Ordinance.

Table 1 presents a summary of the measures proposed in this plan at the completion of each phase. As shown in the table, the measures implemented with the development of the southern building as part of Phase 1 would obtain 10.5 points. At the completion of Phase 2 i.e. the buildout of the project, the project would obtain 10.75 points and would meet the TDM Ordinance requirements. Each TDM measure is described in detail below.

Table 1
TDM Measures Summary

TDM Measure	Required or Recommended	Implementation Responsibility	Project TDM Points[1]	
			Completion of Phase 1	Completion of Phase 2
Affordable Housing				
100% Affordable Housing Project	Required	Building Developer	5	5
Program Administration				
Designate TDM Coordinator	Required	Property Owner	0.25	0.25
TDM Communication				
Orientation, education or materials distribution of transit, wayfinding and other TDM information and programs to new residents as they move in and annually to all residents	Required	Property Owner	0.25	0.25
Proximity to Transit				
Less than 0.5 miles to a transit route (20-min headway)	Required	Building Developer	0.5	0.5
Proximity to Commercial Uses				
Less than .25 miles from a shopping center consisting of at least three tenant spaces	Required	Building Developer	1	1
Include active, pedestrian-oriented commercial uses on the ground floor to create more walkable and inviting areas. Provide on-site amenities, such as cafés, gym, retail stores, or banks.	Required	Building Developer	1	1
Participation in Commute.org or Transportation Management Association (TMA)				
Certified participation in Commute.org	Required	Property Owner	1	1
Commute assistance and ride-matching	Recommended	Property Owner	0.25	0.25
Bicycle Facilities				
Bicycle Parking	Required	Building Developer	0.25	0.25
Bike Repair Station	Required	Building Developer	--	0.25
Access Improvements				
Visual/Electrical Improvements (i.e., Lighting, Signage)	Required	Building Developer	0.25	0.25
Micromobility Parking Zone, TNC Loading Zone)	Required	Building Developer	0.25	0.25
Delivery Amenities				
Parcel Room	Required	Building Developer	0.5	0.5
		Total	**10.5**	**10.75**

Notes:

[1] The project proposes two 5-story buildings. The southern building would be built in Phase 1 and the northern building would be built in Phase 2.

Affordable Housing

The proposed project is a 100 percent affordable housing development. Affordable housing has been shown to generate fewer vehicle trips and vehicle miles traveled than market rate housing. Per the TDM program guidelines, a project providing 100 percent affordable housing can obtain 5 points.

Program Administration

Experience with other TDM programs indicates that having a TDM Coordinator who focuses on transportation issues and is responsible for implementing the TDM program is key to the plan's success. The project owner will appoint an individual as the TDM Coordinator to serve all 430 units. They will be responsible for implementation of the TDM program throughout the project and will be available to answer questions from residents. That person's name and contact information will be provided to the City. The project owner will be responsible for notifying the City if the TDM Coordinator changes. Per the TDM program guidelines, appointing a TDM coordinator would get the project 0.25 points.

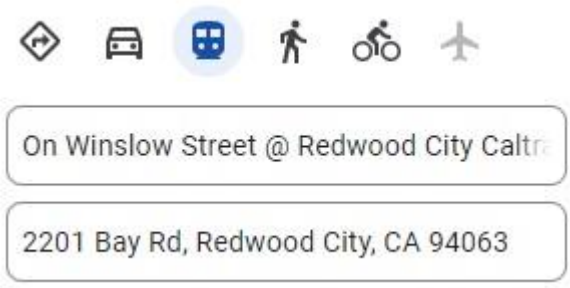
TDM Communication

The TDM Coordinator will proactively present alternative transportation programs to residents and will be responsible for ensuring that residents are aware of all transportation options and how to fully utilize the TDM plan. The TDM Coordinator will provide the following services and functions to ensure the TDM plan runs smoothly:

- Provide transportation information to new residents, including items listed later in this chapter.
- Provide trip planning assistance to residents who are considering an alternative mode.
- Distribute transportation news and commuter alerts.

Trip Planning Resources & Incentives

Residents may not be aware of several free trip-planning resources. The TDM Coordinator may share these resources with residents.



Google Maps

Google has collaborated with select regional transit agencies to provide a public transit planner for SamTrans and Caltrain riders. Residents can find free services online at www.google.com/maps/dir/.

SamTrans Mobile

The SamTrans mobile app is a valuable resource for commuters planning to ride on the SamTrans system. Residents can use this app to pay bus fares, buy and activate tickets, and see SamTrans departures, timetables, and routes.

Free Try Transit

The TDM Coordinator can promote Commute.org's Try Transit Passes for residents considering switching to transit use. Drive-alone commuters can apply for free tickets on a practical transit mode for their commute. Helping incentivize commuters to start a different commute mode is critical to shifting

behavior from driving alone. Commuters can learn more about the Try Transit program at https://commute.org/rewards/#try-transit.

Bicycle Resources

Resources useful to cyclists may be provided by the TDM Coordinator. For example, the local bikeways map can be posted for easy reference. The following resources are available to bicycle commuters through 511.org:

- Free Bike Buddy matching
- Bicycle maps
- Bicycle safety tips
- Information about taking bikes on public transit
- Location and use of bike parking at transit stations
- Information on Bike to Work Day
- Tips on selecting a bike, commuter gear, and clothing
- Links to bicycle organizations

Carpool/Vanpool Resources & Incentives

Ride Matching Resources

Merge

Merge is 511.org's free ridematching service and provides an interactive, on-demand system that helps commuters find carpool and vanpool partners. The TDM Coordinator can promote the online 511 services to residents. This free carpool and vanpool matching tool helps commuters find others with similar routes and travel patterns with whom they may share a ride. Registered users provide their commute information and get matched with other users. Participants can then contact a match to discuss schedules and see if the match is a good fit. The service also lists existing carpools and vanpools in their residential area that may have vacancies.

Carpool/Vanpool Incentives

STAR

Commute.org has established a STAR program (Support, Track, and Reward). Residents and commuters who log their alternative to driving alone trips to or from San Mateo County earn points that can be redeemed for fun items or a donation in their name to a non-profit organization of their choice. In addition, residents who log their sustainable commutes are automatically entered to win quarterly e-gift cards.

STAR also hosts a rewards program where users can earn up to $100 when they carpool to or from work. Users can log their carpool trip and are verified when other members of the carpool log the same trip. Users are then eligible for a $25 e-gift card reward after ten days of carpooling, up to four times per year. A similar rewards program exists for participants commuting via vanpool.

Vanpool Programs

The TDM Coordinator can inform the residents about the $400 monthly vanpool subsidy from the Bay Area Vanpool Program. Enterprise partnered with the Metropolitan Transportation Commission (MTC) to provide an all-inclusive option to make vanpooling easy. A Commute with Enterprise vanpool comes with a recent-model, low-mileage van or SUV, including roadside assistance and maintenance.

Commuters who start or end their commute in one of the nine eligible Bay Area counties can participate in the vanpool incentive program.

Commute.org will reward vanpool commuters with up $100 when they log their vanpool trips on the commute.org STAR portal as an incentive for vanpooling. The TDM Coordinator can promote this subsidy to residents.

Per the TDM program guidelines, providing TDM resources would get the project 0.25 points.

Proximity to Transit

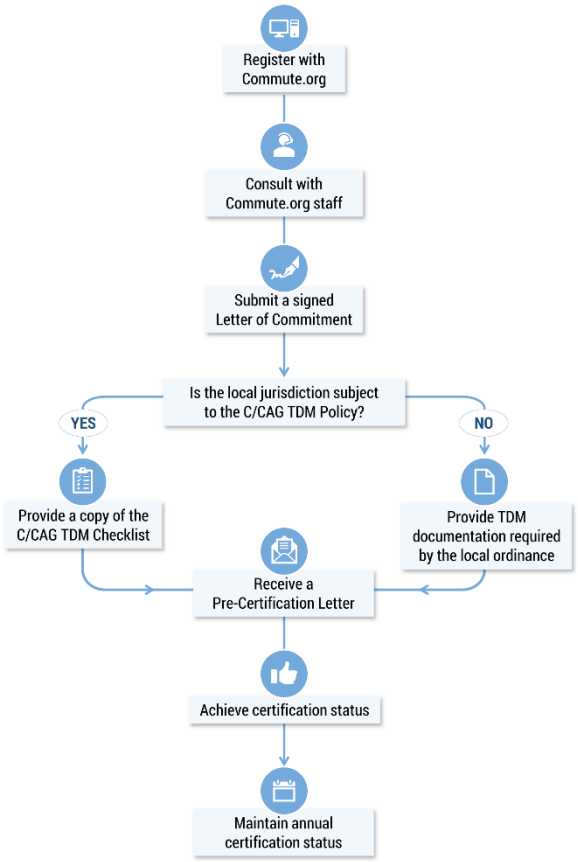
The project is located approximately 0.2 miles from bus stops located at the intersection of University Avenue and Donohoe Street. SamTrans Routes 81, 281, 397, 280, and 2960 serve these bus stops. SamTrans Route 281 provides service with headways of 20 minutes. Per the TDM program guidelines, the project can obtain 0.5 points if it located less than 0.5 miles to a transit route with 20-minutes headway.

Proximity to Commercial Uses

The project site is proposed opposite a small shopping center located at the north-west corner Euclid Avenue and Donohoe Street. These commercial uses include a salon, a local market, a restaurant, and a clothing store. Per the TDM program guidelines, the project can obtain 1 point if it is located less than 0.25 miles from a shopping center consisting of at least three tenants.

Furthermore, the project proposes 2,840 square feet of pedestrian-oriented ground floor retail space for a café. The project also proposes two fitness centers, one in each of the buildings. Per the TDM program guidelines, the project can obtain 1 point for providing on-site amenities such as a café, gym, retail store, or bank.

Participation in Commute.Org Certified Development Program



The project will participate in the Commute.org Certified Development Program. The program is intended to provide developers access to a set of TDM programs and services to reduce VMT and trip counts to new commercial, residential, or mixed-use developments in San Mateo County.

The project developer will complete the pre-certification process during the pre-construction phase. Within six months of receiving a Certificate of Occupancy, the project will complete the following steps to achieve full Certification:

- Transportation Coordinator will complete Commute.org program training.
- Transportation Coordinator will submit initial TDM Survey to confirm the programs and services offered at the development.

The project can obtain 1 point for certified participation with Commute.org.

Commute Assistance and Ride-Matching

The Transportation Coordinator can provide trip planning and on-site ride matching services. On-site ride matching is more effective than ride-matching programs open to the general public since residents may be more willing to share a ride with a neighbor who lives in the same development. The project can obtain 0.25 points for providing commute assistance and ride-matching resources to the residents.

Bicycle Facilities

Per the TDM program guidelines, the project should provide bicycle facilities in conformance with CALGreen minimum bicycle parking requirements. CALGreen bicycle parking requirements are:

- Multifamily residential projects: One long-term bicycle parking space for every dwelling unit and one short-term bicycle parking space for every 10 dwelling units
- Non-residential projects: long-term bicycle parking for 5% of the total number of tenant-occupant vehicle parking spaces and short-term bicycle parking for a minimum of 5% of the total number of vehicle parking spaces

The project proposes to provide the following ratio of bicycle parking:

- Residential use: 0.5 per unit long-term, 1 per 20 units short-term
- Commercial use: 1 per 20 employees long-term and 1 per 2,000 square feet short-term

Based on the above bicycle parking ratios, the project would provide the follow bicycle parking spaces per Phase:

- Phase 1: 103 long-term bicycle parking spaces and 11 short-term bicycle parking spaces for the residential use and 4 long-term bicycle parking spaces and 4 short-term bicycle parking spaces for the commercial use
- Phase 2: 112 long-term bicycle parking spaces and 12 short-term bicycle parking spaces

The bicycle parking provided by the project is lower than the CALgreen minimum bicycle parking requirements, however, the project is applying for a waiver under the State Density Bonus Law. The project would obtain 0.25 points for providing bicycle parking on site.

The project would also provide a bicycle repair station in the northern building. Per the TDM program guidelines, the project can obtain 0.25 points for providing a bicycle repair station.

Access Improvements

Pedestrian Lighting

The project will include lighted pedestrian paths connecting to sidewalks and throughout the site. This measure will encourage residents to walk to nearby destinations. Per the TDM program guidelines, the project can obtain 0.25 points for providing visual/electrical improvements like lighting.

Loading Zone

The project proposes three temporary loading spaces/move in spaces in front of each building. Per the TDM program guidelines, the project can obtain 0.25 points for providing a loading zone.

Delivery Amenities

The project proposes a mail and parcel room in each building. Per the TDM program guidelines, the project can obtain 0.5 points for providing a parcel room.

4. TDM Implementation and Monitoring

The purpose of this TDM plan is to reduce the daily trips generated by the proposed residential building to comply with the East Palo Alto Municipal Code Chapter 10.32 and TDM Program Guidelines for Multi-Family Residential Development.

Implementation

The project applicant will ensure that the TDM trip reduction measures are implemented. After the residential units are rented following the development of Phase 1, the project owner will identify a TDM Coordinator. The TDM Coordinator for the project will be responsible for implementing the ongoing TDM measures and making residents aware of the transportation options and how to fully utilize the TDM plan.

Monitoring and Reporting

The purpose of TDM monitoring and reporting is to ensure that a TDM plan is successfully reducing the daily trip generation of the residents. The Citywide TDM Ordinance does not require monitoring for multifamily residential uses.

RAVENSWOOD SCHOOL DISTRICT SITE

EAST PALO ALTO, CA

DRAFT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

SUBMITTED TO
Mr. Mike Allen
USA Multifamily Development
3200 Douglas Blvd., Suite 200
Roseville, 95661 95661

PREPARED BY
ENGEO Incorporated

October 5, 2023

PROJECT NO.
23926.000.001

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ENGEO
Expect Excellence

Project No.
23926.000.001

October 5, 2023

Mr. Mike Allen
USA Multifamily Development
3200 Douglas Blvd., Suite 200
Roseville, CA 95661

Subject: Ravenswood School District Site
2110-2160 Euclid Avenue
East Palo Alto, CA

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Dear Mr. Allen:

ENGEO is pleased to present our phase I environmental site assessment of the subject property (Property), located in East Palo Alto, CA. The attached report includes a description of the site assessment activities, along with ENGEO's findings, opinions, and conclusions regarding the Property.

ENGEO has the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the Property, and has developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312 and the American Society for Testing and Materials (ASTM) Practice E1527-21. We declare that, to the best of our professional knowledge and belief, the responsible charge for this study meets the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312 and ASTM E1527-21.

DRAFT

We are pleased to be of service to you on this project. If you have any questions concerning the contents of our report, please contact us.

Sincerely,

ENGEO Incorporated

Rian Montagh

Shawn Munger, CHG

Jenna Keith

rm/jk/sm/cjn

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EXECUTIVE SUMMARY

ENGEO conducted a phase I environmental site assessment for the subject property located at 2110-2160 Euclid Avenue in East Palo Alto, CA (Property). The Property is approximately 4.1 acres in area and is identified by Assessor's Parcel Number (APN) 063-292-380.

The Property is occupied by the Ravenswood School District offices. On-site structures include office and warehouse buildings and storage units containing electronic waste and school supplies. Other Property improvements include landscaping, paved parking areas for cars and school buses, a maintenance yard, two fuel underground storage tanks (USTs) used to store diesel and regular unleaded fuel, fuel dispensers, and a compressed natural gas aboveground storage tank (AST) and fuel pump. Review of historical records indicates one or more structures were developed on the Property by 1939 and occupied by Ravenswood School District beginning in the 1940s. The remainder of the structures on the Property were constructed between the 1940s to 1990s, and the site use has remained similar since. We understand that a multi-family apartment home community is proposed for the Property. The proposed development plan consists of approximately 430 one- and two-bedroom units constructed in two phases.

This assessment included a review of local, state, tribal, and federal environmental record sources, standard historical sources, aerial photographs, fire insurance maps, and physical setting sources. A reconnaissance of the Property was completed to review site use and current conditions to check for the storage, use, production, or disposal of hazardous or potentially hazardous materials and to conduct written/oral interviews with persons knowledgeable about current and past site use.

The site reconnaissance did not find documentation or physical evidence of soil, soil gas, or groundwater impairments associated with the use or past use of the Property. However, review of regulatory databases maintained by county, State, tribal, and Federal agencies found documentation of hazardous materials violations on the Property that pose a potential environmental concern, and identified contaminated facilities within the appropriate ASTM search distances that would reasonably be expected to impact the Property (refer to Section 3.3.1).

The facility produces the following hazardous wastes: medical waste, latex wastes, aged or surplus organics, inorganic waste, hydrocarbons solvents (benzene, hexane, Stoddard solvent, etc.), and oil-containing waste. In addition, two 2,000-gallon underground storage tanks (USTs) used to store regular unleaded gasoline and diesel fuel are located in the southern area of the Property. The tanks, which were installed in 1998, are constructed of double-walled fiberglass with double-walled steel and fiberglass piping. The tanks are equipped with aboveground dispensers and are used to fuel Ravenswood School District vehicles. San Mateo County Environmental Health Services (SMCEHS) conducts annual inspections of the tanks each October. SMCEHS has issued several violations pertaining to improper storage and disposal of hazardous waste (primarily waste oil) within the hazardous waste storage shed and failure to meet tank monitoring/testing requirements (refer to Section 3.3.1.1). Based on these violations, it is conceivable that minor soil and/or groundwater impacts are present at the facility.

Based on the findings of this assessment, no Recognized Environmental Conditions (RECs), no historical RECs, and no controlled RECs were identified for the Property. However, based on the review of regulatory databases and observations made during the site reconnaissance, we have identified the following features of potential environmental concern or de minimis conditions. These features were not considered to be RECs. We briefly discuss each feature below.

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- Two 2,000-gallon USTs used to store gasoline and diesel, which were installed in 1998, are located in the southern area of the Property. Records obtained from SMCEHS also suggest that the facility may have once operated four USTs – there are identical records of two USTs installed in both 1998 and 1999, and a facility information document from 2002 lists four on-site USTs. However, only two USTs are known to exist presently, and there are no records of removal of the other two tanks. In addition, hazardous waste, including waste oil, is stored in the hazardous waste storage shed on-site. The Ravenswood School District has received several violations pertaining to improper storage and disposal of hazardous waste and failure to meet tank monitoring/testing requirements. We recommend that a soil and groundwater management plan (SGMP) is prepared, to provide procedures and protocols for managing soil during construction, as well as if unforeseen environmental impacts are encountered during site redevelopment.

- In addition to the USTs, several 55-gallon drums containing waste filters and new and used oil were observed within a hazardous waste storage shed in the eastern area of the Property. Some of the drums were not placed within secondary containment, and black staining was observed on the pavement outside of the shed. We recommend that these storage conditions are corrected and that the facility continues to comply with the hazardous waste inspection requirements established by SMCEHS.

- Given the age of the existing structures, it is conceivable that asbestos, lead, and PCB-containing materials may exist within the structures. We recommend that a hazardous materials building survey is conducted prior to demolition to evaluate the presence of asbestos, lead, and PCB-containing materials.

We have performed a phase I environmental site assessment in general conformance with the scope and limitations of ASTM E1527-21 and the standards and practices of the All Appropriate Inquiry – Final Rule (40 Code of Federal Regulations Part 312). Any exception to, or deletions from this practice are described in Section 8.1 of the report.

It is our opinion that the findings of this study are based on a sufficient level of information obtained during our contracted scope of services to render a conclusion as to whether additional appropriate investigation is required to identify the presence or likely presence of a REC. The following data gaps were identified during this process.

This assessment has revealed no evidence of RECs in connection with the Property. We recommend no further environmental studies at this time; however, we recommend that the above-mentioned SMP is prepared.

Please note, the findings from this report are valid until August 21, 2024, and updates of portions of the assessment may be necessary after February 21, 2023.

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1.0 INTRODUCTION

1.1 PURPOSE OF PHASE I ENVIRONMENTAL SITE ASSESSMENT

This assessment was performed at the request of USA Multifamily Development for the purpose of environmental due diligence during property acquisition. The objective of this phase I environmental site assessment is to identify Recognized Environmental Conditions (RECs) associated with the Property. As defined in the ASTM Standard Practice E1527-21, an REC is "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."

1.2 DETAILED SCOPE OF SERVICES

The scope of services performed included the following.

- A review of previous environmental reports prepared for the Property.
- A review of publicly available and practicably reviewable standard local, state, tribal, and federal environmental record sources.
- A review of publicly available and practicably reviewable standard historical sources, aerial photographs, fire insurance maps, and physical setting sources.
- A reconnaissance of the Property to review site use and current conditions. The reconnaissance was conducted to check for the storage, use, production or disposal of hazardous or potentially hazardous materials.
- Written/oral interviews with owners/occupants and public sector officials.
- Preparation of this report with our findings, opinions, and conclusions.

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1.3 SITE LOCATION AND DESCRIPTION

The Property is located at 2160 Euclid Ave, East Palo Alto. (Figures 1 and 2). The approximately 4.1-acre Property is identified as APN 063-292-380 (Figure 3) and is currently occupied by the Ravenswood School District site. On-site structures include office and warehouse buildings and storage units containing electronic waste and school supplies. Other Property improvements include landscaping, paved parking areas for cars and school buses, a maintenance yard diesel and regular unleaded fuel underground storage tanks (USTs) and dispensers, and a compressed natural gas aboveground storage tank (AST) and fuel pump.

1.4 CURRENT USE OF PROPERTY AND ADJOINING PROPERTIES

The Property is currently zoned as Mixed Use – High (MUH) under the City of East Palo Alto general plan. We understand that a multifamily apartment home community is proposed for the Property. The proposed development plan consists of approximately 430 one- and two-bedroom units constructed in two phases.

Based on a review of current records and our site reconnaissance, the adjoining site uses are summarized below.

TABLE 1.4-1: Adjoining Site Uses

DIRECTION	SITE USE
North	Community pool
South	Donohoe Street and US-101 freeway
East	Playground and vacant lot
West	Residential developments

1.5 SITE AND VICINITY CHARACTERISTICS

According to published topographic maps, the Property is relatively level and situated at an elevation of approximately 20 feet above mean sea level (msl). Review of the Geologic Map of the Palo Alto and Mountain View Quadrangles, Alameda, San Mateo, and Santa Clara Counties, California Geologic Map (Dibblee, 2007) found that the Property is underlain by Quaternary-aged alluvial sand, fine-grained, silt, and gravel from alluvial fan deposits at the base of slopes and upper fan areas.

Geocheck – Physical Setting Source Summary of the Environmental Data Resources, Inc. (EDR) report (Appendix A) indicated 10 Federal United States Geological Survey (USGS) and 98 State wells located within 1 mile of the Property. Groundwater level measurements in the vicinity of Property was observed between 10.16 feet and 13.37 feet below the ground surface.

We reviewed the Department of Water Resources On-line Water Data Library for depth to water in the vicinity of the Property. The website identified four wells within 1 mile of the Property.

We reviewed EnviroStor, a website maintained by the State of California Department of Toxic Substances Control, and GeoTracker, a website maintained by the State of California Water Resources Control Board, for nearby facilities with records that include depth-to-groundwater measurements. The following information was obtained regarding local groundwater conditions.

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TABLE 1.5-1: Local Groundwater Conditions

PROXIMITY TO PROPERTY	REPORTED DEPTH TO GROUNDWATER	REPORTED GROUNDWATER FLOW DIRECTION
400 feet southeast	9.12-10.74 feet	Southeast
430 feet southwest	14 feet	Not reported
900 feet	10 feet	Not reported

The site-specific depth to groundwater and direction of groundwater flow were not determined as part of this assessment. Fluctuations in groundwater levels may occur seasonally and over a period of years due to variations in precipitation, temperature, irrigation, and other factors.

We reviewed the Department of Conservation, Geologic Energy Management (CalGEM), website and map database to determine if any historic oil or gas wells were located within the Property. No oil or gas wells were mapped within 1 mile of the Property.

We reviewed the National Pipeline Mapping System (NPMS) public viewer website for information about petroleum, natural gas, or hazardous liquid storage, processing, or transmission facilities in the vicinity of the Property. No facilities and one pipeline were mapped within ¼ mile of the Property. The pipeline is operated by Pacific Gas and Electric and actively transmits natural gas.

1.6 INDOOR AIR QUALITY

An evaluation of indoor air quality, mold, or radon was not included as part of the contracted scope of services. The California Department of Public Health has conducted studies of radon risks throughout the state, sorted by zip code. Results of the studies indicate that 30 tests were conducted within the Property zip code, with no tests exceeding the current EPA action level of 4 picocuries per liter (pCi/L)[1].

In accordance with ASTM E2600-15 (Tier 1) (*Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*); there are at least seven potential petroleum hydrocarbon sources for vapor intrusion within 1/10 mile of the Property and at least two volatile organic compound (VOCs) sources within 1/3 mile of the Property.

2.0 PREVIOUS ENVIRONMENTAL REPORTS

Partner Engineering and Science, Inc., 2021. Phase I Environmental Site Assessment Report, East Palo Alto, California, October 26, 2021.

Partner Engineering and Science, Inc. (Partner) published a phase I ESA for the Property in 2021. The Property was undeveloped from at least 1903 until it was occupied by Ravenswood City School District by at least 1943. Improvements to the Property included offices, warehouses, sheds, and fueling stations for city vehicles.

No RECs, CRECs, or HRECs were identified in relation to the Property. However, environmental issues were identified on the Property. Two underground storage tanks (USTs) for storage of regular unleaded gasoline and diesel fuels were installed on September 1, 1998. According to the most recent documentation of the USTs, the tanks passed all certifications. In the past, violations were recorded against the USTs, but at the time of the ESA the USTs were following applicable regulations. In addition to the USTs, several 55-gallon drums containing waste filters and new and used oil were noted on the Property near the maintenance shop. These drums were reported to be collected by Safety-Kleen regularly but were not labeled nor secondarily contained. Finally, the ESA identified the potential for asbestos to be present in the Property's buildings and noted that sampling would be necessary if the building materials were to be disturbed.

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[1] California Department of Public Health – Radon Program– (https://www.cdph.ca.gov/Programs/CEH/DRSEM/CDPH%20Document%20Library/EMB/Radon/Radon%20Test%20Results.pdf).

3.0 RECORDS REVIEW

3.1 PROPERTY RECORDS

3.1.1 Title Report/Ownership

The Title Report lists recorded land title detail, ownership fees, leases, land contracts, easements, liens, deficiencies, and other encumbrances attached to or recorded against a subject property. Laws and regulations pertaining to land trusts vary from state to state and the detail of information presented in a Title Report can vary greatly by jurisdiction. As a result, ENGEO utilizes a Title Report, when provided to us, as a supplement to other historical record sources. ENGEO assumes that any environmental lien, activity use limitations (AUL), and/or institutional controls for the Property are noted in the Preliminary Title Report.

A Commitment for Title Insurance for the Property, prepared by First American Title Insurance Company and dated August 1, 2023, was provided for our review. The Property title is vested in *Ravenswood City School District.*

No references to environmental liens, deed restrictions or other potential environmental issues were noted. This report is included in Appendix B.

3.1.2 Environmental Liens and Activity Use Limitations

The Commitment for Title Insurance did not reference environmental liens, deed restrictions or other potential environmental issues. This report is included in Appendix B. In addition, a questionnaire completed by the Client or authorized representative indicated that they are not aware of any environmental cleanup liens recorded against the Property.

We reviewed two engineering control (EC) and institutional control (IC) registries: EnviroStor, a website maintained by the State of California Department of Toxic Substances Control, and GeoTracker, a website maintained by the State of California Water Resources Control Board, for environmental liens or AULs associated with the Property. No records of environmental liens or AULs were noted.

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3.2 HISTORICAL RECORD SOURCES

The purpose of the historical record review is to develop a history of the previous uses or occupancies of the Property and surrounding areas to identify those uses or occupancies that are likely to have led to recognized environmental conditions on the Property.

3.2.1 Historical Topographic Maps/Aerial Photographs/Sanborn Maps

Historical USGS topographic maps, aerial photographs, and Sanborn fire insurance maps were reviewed to determine if discernible changes pertaining to the Property had been recorded. EDR provided the following maps and photographs, presented in Appendices C, D, and E.

TABLE 3.2.1-1: Historical Review Summary

HISTORIC MAP/PHOTOGRAPH	YEARS
Topographic Maps	1897, 1899, 1902, 1943, 1947, 2012, 2015, 2018
Aerial Photographs	1939, 1943, 1948, 1950, 1958, 1963, 1968, 1974, 1982, 1991, 1998, 2005, 2009, 2012, 2020
Sanborn Maps	1954, 1965

The area around the Property has been developed with roads and scattered buildings since 1897. Aerial photographs from 1939 show that the Property was vacant in its northern half and developed with a structure in the southern half. By 1943, another structure had been built on the southern half of the Property. On the 1954 Sanborn Map, these buildings are labeled Ravenswood Public School. By 1958, a building appears on the northern half of the Property, labeled Ravenswood School District. A bus staging area is visible in a 1963 aerial photograph in the northern section of the Property, and a second bus area appears in the southern portion of the Property in a 1998 aerial photograph. By this time, the Property is in its approximate present-day condition.

3.2.2 City Directory

City Directories, published since the 18th century for major towns and cities, list the name of the resident or business associated with each address. A city directory search conducted by EDR is located in Appendix F.

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TABLE 3.2.2-1: City Directory

YEAR	ADDRESS	LISTINGS
2020	2160 Euclid Avenue	Foundation for a College Education
	2120 Euclid Avenue	Ravenswood City School District
2017	2160 Euclid Avenue	Foundation for a College Education Ravenswood City School District
	2120 Euclid Avenue	Woods, Ruth
2014	2160 Euclid Avenue	Foundation for a College Education Ravenswood City School District
2010	2160 Euclid Avenue	Foundation for a College Education Ravenswood City Esd Ravenswood City School Dist
2005	2160 Euclid Avenue	Poston, Paul R San Mateo County Supt Schools
2000	2160 Euclid Avenue	Ravenswood City School District Office
1995	2160 Euclid Avenue	Ravenswood City School District
1992	2160 Euclid Avenue	Ravenswood Sc Attnd
1986	2160 Euclid Avenue	E S A A Prj Sc K 8 Ravenswood Sc Admin
	2120 Euclid Avenue	East Pa Senior Ctr
1981	2160 Euclid Avenue	E S A A Project Sch Sc Ravenswood Supt Ofc
	2120 Euclid Avenue	E Palo Alot Sr Center Sc Ravenswood Curriculum Sc Ravenswood Director Sc Ravenswood Nurse Sc Ravenswood Pac Sc Ravenswood Prnt Lsn

YEAR	ADDRESS	LISTINGS
1975	2160 Euclid Avenue	Ravenswood City School District (Administration Ofc) 323-9411
	2120 Euclid Avenue	Ravenswood School District (Admin Annex) 323-9411
1970	2160 Euclid Avenue	Ravenswood City School District (Administration Ofc) 323-9411
	2120 Euclid Avenue	Ravenswood Annex
1965	2160 Euclid Avenue	Ravenswood School District (Administration Office) 324-1621
	2120 Euclid Avenue	Ravenswood School 325-4428
1959	2160 Euclid Avenue	Ravenswood City Elementary School (District Office) Da$-1621

3.3 ENVIRONMENTAL RECORD SOURCES

EDR performed a search of federal, tribal, state, and local databases regarding the Property and nearby properties. Details regarding the databases searched by EDR are provided in Appendix A. A list of the facilities documented by EDR within the approximate minimum search distance of the Property is provided below.

3.3.1 Environmental Records

3.3.1.1 Property

The Property is listed on Environmental Record source databases.

TABLE 3.3.1.1-1: Environmental Database Listings for the Property

FACILITY	STREET	DATABASES
Ravenswood City School District	2110 Euclid Avenue	SAN MATEO CO. BI
	2120 Euclid Avenue	RCRA NONGEN / NLR, FINDS, ECHO
	2160 Euclid Avenue	UST, SWEEPS UST, FINDS, EMI, HAZNET, CERS, CERS TANKS, CERS HAZ WASTE, HWTS, SAN MATEO CO. BI

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The Property is listed in several databases searched by EDR. The listings pertain to the two on-site USTs and are related to hazardous waste generation and disposal. The facility produces the following hazardous wastes: medical waste, latex wastes, aged or surplus organics, inorganic waste, hydrocarbons solvents (benzene, hexane, Stoddard solvent, etc.), and oil-containing waste. The UST database lists two USTs: one, 2,000-gallon fiberglass tank used to store regular unleaded fuel and one, 2,000-gallon fiberglass tank used to store diesel. San Mateo County Environmental Health provides annual inspections of the facility, and several violations are reported. The violations are generally administrative in nature; however, there are several violations pertaining to tank leak testing and hazardous waste labeling, storage, including the following.

- A violation from October 2016 notes that the facility failed to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion. In addition, the diesel spill bucket drain valve failed. The violation ordered that the drain valve be replaced within 14 days.

- A violation from October 2017 stated that the following were observed in the hazardous waste storage shed: one open rolling container with used oil, one drum of used oil filters, and one drum of contaminated solids that need accumulation start dates.

- A violation from October 2018 stated that the facility failed to comply with one or more overfill prevention equipment requirements.

- A violation from October 2021 noted failure to operate the UST system to prevent unauthorized releases. The violation noted that during overfill prevention testing, it was observed that the diesel overfill tube was damaged and the flapper was in-operable. The flapper needed to be replaced. The facility returned to compliance in August 2022.

- One violation from October 2021 reported that one or more of the following tank monitoring requirements were not met: (1) the monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected, and (2) The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC).

- A violation from October 2022 reported that the facility had an old used oil tank, approximately 110 gallons, which was not labeled with a hazardous waste label. The violation noted that the tank was not supposed to be in service. It was outside and was also open at the time of inspection with an oil drip pan in the opening of the lid.

Based on these violations, it is conceivable that minor soil and/or groundwater impacts are present at the facility.

3.3.1.2 Other Properties

The following databases include facilities listed within the appropriate ASTM search distances of the Property on Environmental Records sources.

TABLE 3.3.1.2-1: Environmental Database Listings for Nearby Properties

DATABASE	NUMBER OF LISTED FACILITIES
SAN MATEO CO. BI	34
LUST	15
RCRA NONGEN / NLR	14
ENVIROSTOR	10
CORTESE	9
HIST CORTESE	7
US BROWNFIELDS	6
CERS HAZ WASTE	4
SWEEPS UST	4
CPS-SLIC	3
HIST UST	3
RCRA-SQG	3
UST	3
CERS TANKS	2

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DATABASE	NUMBER OF LISTED FACILITIES
EDR HIST AUTO	2
CA BOND EXP. PLAN	1
CA FID UST	1
CORRACTS	1
DRYCLEANERS	1
ECHO	1
EDR HIST CLEANER	1
FINDS	1
HWP	1
NOTIFY 65	1
RCRA-LQG	1
ROD	1
VCP	1

Several nearby properties of potential environmental concern are discussed below.

Goodwill Property – 1475 East Bayshore Road

The Goodwill Property, located approximately 250 feet west of the Property, is listed in the LUST, CORTESE, and CERS databases and is listed as a closed LUST case on GeoTracker under case ID T0608156921. According to the case closure summary/no further action letter, a 10,000-gallon gasoline UST and 10,000-gallon diesel UST were removed from the site in August 2003. The facility was granted case closure by the SMCEHS on February 26, 2004; however, an unknown amount of hydrocarbon-impacted soil, as well as impacted groundwater, remains in the subsurface. The letter notes that if excavation or redevelopment of the site occurs, SMCEHS should be notified.

East Palo Alto Shell Station – 2194 University Avenue

East Palo Alto Shell Station, located approximately 485 feet northeast of the Property, is listed in the RCRA NONGEN / NLR, EDR HIST AUTO, UST, LUST, CORTESE, CERS, HIST UST, CERS HAZ WASTE, and CERS TANKS databases searched by EDR and is listed as a closed LUST case on GeoTracker under case ID T0608182543. According to the case closure summary/no further action letter, three underground storage tanks were located on-site. Five monitoring wells were installed as part of a groundwater assessment program, a voluntary nationwide program initiative by Shell to install groundwater monitoring wells at retail service stations that are not active release cases. After several quarters of groundwater monitoring, the facility was issued case closure from the SMCEHS on December 10, 2004. An additional phase II ESA was conducted for the site dated October 1, 2008. One soil sample and two groundwater samples contained constituents above residential screening levels. SMCEHS was notified and an Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report was submitted. It does not appear that any cleanup has been conducted to date.

Chevron Service Station 9-1081

Chevron Station 9-1081, located approximately 250 feet east of the Property, is listed in the RCRA-LQG, UST, LUST, SWEEPS UST, CORTESE, HIST CORTESE, SAN MATEO CO. BI,

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EDR HIST AUTO, CERS HAZ WASTE, CERS TANKS, and HIST UST databases searched by EDR and is listed as a closed LUST case on GeoTracker under case ID T0608100926. According to the case closure summary/no further action letter, in February 1997, four dispenser islands and the associated piping were removed, and soil samples were collected beneath the former dispenser islands and product lines. Eight groundwater monitoring wells (MW-1 through MW-8) were installed at the site between September 1997 and August 2004. In March 2006, an additional three monitoring wells (MW-9 through MW-11) were installed offsite to further delineate the lateral and vertical extent of the dissolved methyl tert-butyl ether (MTBE) plume. The wells were destroyed, and the facility was issued case closure from SMCEHS on July 17, 2012.

The Property is located in an area with several documented releases, as well as historical automotive repair shops with no documented releases. Based on the distances to the identified database sites, regional topographic gradient, and the EDR findings, it is possible that the above-stated database sites pose an environmental risk to the Property.

Two properties that are on the “Orphan Summary” list appear to be located within the ASTM recommended radius search criteria. Calmac Chemical is listed on the Superfund Enterprise Management System (SEMS) database and is located about ½ miles from the Property. No information on the nature of the site is available. Former Rail Spur East Palo Alto Ria is listed on the Cleanup Program Sites - Spills, Leaks, Investigations, and Cleanups (CPS-SLIC) database and is not expected to impact the Property.

3.4 REGULATORY AGENCY FILES AND RECORDS

The following agencies were contacted pertaining to possible past development and/or activity at the Property.

TABLE 3.4-1: Regulatory Agency Records

NAME OF AGENCY	RECORDS REVIEWED
City of East Palo Alto City Clerk	We contacted the East Palo Alto City Clerk on August 21, 2023, regarding environmental records for the Property. The City Clerk returned permit records for the Property dating back to the 1950s. These include permits for the addition of new buildings (childcare center, bus garage, storage, school, office) and for a new gas tank. More recent permits document the addition of a domestic water line connection, gas and electric work, installation and removal of USTs (1998-1999), compaction testing for a gas line, and permitting for a natural gas fueling station.
Menlo Park Fire Protection District	We contacted the Menlo Park Fire Protection District on August 22, 2023, regarding environmental records for the Property. The Fire Protection District provided many files pertaining to the Property. These consisted of fire inspections records, applications for additional portables on the Property, and a UST repair permit. Two documents are dated August 29, 2023. One states that the plans for installation of the underground storage tank and accompanying fuel dispenser have been denied. The other states that plans for the installation of a fuel dispensing island and underground fuel storage tanks have been approved.

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NAME OF AGENCY	RECORDS REVIEWED
San Mateo County Health Environmental Services	We contacted San Mateo County Health Environmental Services on August 21, 2023, regarding environmental records for the Property. San Mateo County Health Environmental Services provided many files pertaining to the Property at the 2160 Euclid Avenue address. • UST permits • A 2017 notice of violation for a UST. A complete and accurate plot map was required. • A 2019 notice of violation for a UST. The overfill prevention equipment was a year out of compliance for testing and certification. • A 2019 notice of violation for hazardous waste. Manifests and proper labelling were required. UST inspections needed to be timely and flapper valve repaired. • A 2022 notice of violation for an overdue business plan for hazardous materials and damaged overfill tube and flapper on a UST. • Permit to remove two tanks in 1998. These were a 1,000-gallon diesel tank and a 2,000-gallon unleaded gasoline tank, both single-walled. The installation date of the tanks is unknown. • Documentation of two double wall steel and fiberglass USTs with 2,000-gallon capacities with suction systems and double wall fiberglass piping. Both were installed in 1998 and used to store diesel and regular unleaded fuel. • Documentation of two double wall steel and fiberglass USTs with 2,000-gallon capacities with suction systems and double wall fiberglass piping. Both were installed in 1999 and used to store diesel and regular unleaded fuel. Presently, records indicate that there are only two USTs on-site. However, previous documents suggest that there were four USTs on-site. A facility information document from February 2002 lists four USTs. It is possible that the 1999 UST permit applications were erroneous, as they appear to contain the same information as the 1998 permit applications. Other documents include hazardous materials business plans and inspection reports. Other records were provided for the 2110 Euclid Avenue address. These include inspection reports related to medical waste generated and handled on-site.

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NAME OF AGENCY	RECORDS REVIEWED
Cal Fire	We contacted Cal Fire on August 21, 2023, regarding environmental records for the Property. Cal Fire returned two incident reports pertaining to the Property. The first incident was recorded in 2004 at 2160 Euclid Avenue. Cal Fire responded to a reported explosion and found gas leaking in a building in the bus depot on the Property. The methane cylinder compressor was stuck in the "on" position which had triggered a venting system to engage due to the exceeded system pressure. The gas feed was shut off and the area secured. The scene was left in a safe condition. The second incident occurred in 2008 when at 2120 Euclid Avenue when Cal Fire received an alarm for a car leaking fuel. A van had sustained a pencil-sized hole in its gas tank. The hole was patched, and the vehicle was released to the tow company. It is not clear from the report where the leak occurred on the Property or how much material was released.
San Mateo County Assessor's Office	We reviewed online parcel maps provided by the San Mateo Assessor's Office. The property boundary and APNs provided in the EDR radius map report are consistent with the online parcel maps.
California State Water Resources Control Board	We reviewed GeoTracker, the website maintained by the State Water Resources Control Board, for files pertaining to the Property. No cleanup listings were found for the Property, but a permitted UST listing was found for the Property.
Department of Toxic Substances Control (DTSC)	We reviewed EnviroStor, the website maintained by DTSC, for files pertaining to the Property. No listings were found for the Property.

4.0 SITE RECONNAISSANCE

4.1 METHODOLOGY

We conducted a reconnaissance of the Property on September 19, 2023. The reconnaissance was performed by Kobe Wang, a Staff Geologist of ENGEO. The Property was viewed for hazardous materials storage, superficial staining or discoloration, debris, stressed vegetation, or other conditions that may be indicative of potential sources of soil or groundwater contamination. The Property was also checked for evidence of fill/ventilation pipes, ground subsidence, or other evidence of existing or preexisting underground storage tanks. Photographs taken during the site reconnaissance are presented in Figure 4.

A few storage units in the maintenance yard were inaccessible due to locked gates.

4.2 GENERAL SITE SETTING

The Property consists of the Ravenswood School District office buildings, paved parking area for cars and school buses, a maintenance yard, school supply and electronic waste storage units, and a fueling station.

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4.3 EXTERIOR OBSERVATIONS

The following table summarizes our observations during the reconnaissance.

TABLE 4.3-1: Exterior Site Observations

FEATURE TYPE	OBSERVATIONS
Structures	Several structures were observed during the site reconnaissance. The administrative offices are single-story buildings on concrete poured floors or trailers on raised foundations. The buildings were observed to be in good condition. Storage structures were also located in the eastern area of the maintenance yard and used to store school supplies and electronic waste.
Hazardous Substances and Petroleum Products in Connection with Identified Uses	Hazardous substances and petroleum products were observed within the Property during the site reconnaissance. Waste oil drums were observed in the hazardous waste storage shed in the eastern area of the Property (see below). Evidence of USTs was observed in the southern area of the Property (see below).
Storage Tanks (underground and above-ground)	The 2,000-gallon gasoline and diesel USTs were not observed; however, the pump islands and dispensers connected to the USTs were observed in the southern side of the school bus parking lot (Figure 2). An above-ground natural gas tank was observed at the southeastern corner of the school bus parking lot.
Roads	The offices are accessed from Euclid Avenue. The school bus parking lot is accessed from Donohoe Street or Euclid Avenue.
Strong, Pungent, or Noxious Odors and Their Sources	No odors indicative of hazardous materials or petroleum material impacts were noted at the time of the reconnaissance.
Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products	No pools of potentially hazardous liquid were observed within the Property at the time of our reconnaissance.
Drums, Totes, and Intermediate Bulk Containers	Several drums containing waste filters and new and used oil were observed within the hazardous waste storage shed in the eastern area of the Property. Three 55-gallon drums were located on wooden pallets (not proper secondary containment). Four smaller blue drums were located within a metal container for secondary containment. The floor of the shed was concrete.
Polychlorinated Biphenyls (PCBs) Containing Equipment	Four pole-mounted transformers, which are potential PCB-containing equipment, were observed along Euclid Avenue and Donohoe Street. The transformers were observed to be in good condition, with no corrosion or staining.
Stains or Corrosion on Floors, Walls, or Ceilings (Except Water Staining)	No stains or corrosion on floors, walls, or ceilings were observed within the Property at the time of our reconnaissance.
Drains and Sumps	No drains or sumps were observed within the Property at the time of our reconnaissance.
Pits, Ponds, and Lagoons	No pits, ponds, or lagoons were observed within the Property at the time of our reconnaissance.
Stained Soil/Pavement	Black (oil-related) staining was observed on the pavement outside the hazardous waste storage shed in the eastern portion of the Property (Figures 2 and 4). Other, more minor staining was observed on the paved concrete and asphalt throughout the facility.

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FEATURE TYPE	OBSERVATIONS
	No stained soil was observed within the Property at the time of our reconnaissance.
Stressed Vegetation	No signs of stressed vegetation were observed on the Property at the time of our reconnaissance.
Solid Waste/Debris	Disposal of electronic waste, school and office furniture, paint gallons, and other municipal waste was observed around the maintenance yard.
Stockpiles/Fill Material	No stockpiles or fill material were observed on the Property during the reconnaissance.
Wastewater	The Property is serviced by municipal wastewater connections.
Wells	No wells were found within the Property during our site reconnaissance.
Septic Systems	No septic systems were found within the Property during our site reconnaissance. The Property is serviced by municipal wastewater connections.

4.4 INTERIOR OBSERVATIONS

Interior of office buildings and storage units were observed. The office buildings have tile floors, and storage units had concrete poured floors. The interior of all buildings were in good condition.

4.5 ASBESTOS, LEAD, AND PCB-CONTAINING MATERIALS

An asbestos, lead, and PCB-containing building material survey was not conducted as part of this assessment. Given the age of the existing structures, it is conceivable that asbestos, lead, and PCB-containing materials may exist within the structures.

5.0 INTERVIEWS

Mr. Mike Allen completed a Client-based environmental site questionnaire pertaining to applicable environmental information regarding the Property on August 25, 2023. In the questionnaire, Mr. Allen did not identify potentially environmentally related issues with the Property. Mr. Allen is unaware of commonly known, reasonably ascertainable, or specialized knowledge indicative of releases or threatened releases that is material to the potential presence of RECs. Mr. Mike Allen has indicated that the purchase price of the Property is reflective of fair market value of the Property. The questionnaire is presented in its entirety in Appendix G.

Mr. William Eger of Ravenswood School District completed a Key Site Manager-related environmental site questionnaire pertaining to applicable environmental information regarding the Property, on August 25, 2023. In the questionnaire, Mr. Eger identified underground storage tanks on the Property and stated that the Property had been used for agriculture in the past.

Mr. Eger is unaware of commonly known, reasonably ascertainable, or specialized knowledge indicative of releases or threatened releases that is material to the potential presence of Recognized Environmental Conditions. The questionnaire is presented in its entirety in Appendix G.

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6.0 FINDINGS AND OPINIONS

This assessment included a review of local, state, tribal, and federal environmental record sources, standard historical sources, aerial photographs, fire insurance maps and physical setting sources. A reconnaissance of the Property was completed to review site use and current conditions to check for the storage, use, production, or disposal of hazardous or potentially hazardous materials and to conduct written/oral interviews with persons knowledgeable about current and past site use.

The site reconnaissance did not find documentation or physical evidence of soil, soil gas, or groundwater impairments associated with the use or past use of the Property. However, review of regulatory databases maintained by county, State, tribal, and Federal agencies found documentation of hazardous materials violations on the Property that pose a potential environmental concern, and identified contaminated facilities within the appropriate ASTM search distances that would reasonably be expected to impact the Property (refer to Section 3.3.1).

The facility produces the following hazardous wastes: medical waste, latex wastes, aged or surplus organics, inorganic waste, hydrocarbons solvents (benzene, hexane, Stoddard solvent, etc.), and oil-containing waste. In addition, two 2,000-gallon USTs used to store regular unleaded gasoline and diesel fuel are located in the southern area of the Property. The tanks, which were installed in 1998, are constructed of double-walled fiberglass with double-walled steel and fiberglass piping. The tanks are equipped with aboveground dispensers and are used to fuel Ravenswood School District vehicles. SMCEHS conducts annual inspections of the tanks each October. SMCEHS has issued several violations pertaining to improper storage and disposal of hazardous waste (primarily waste oil) within the hazardous waste storage shed and failure to meet tank monitoring/testing requirements (refer to Section 3.3.1.1). Based on these violations, it is conceivable that minor soil and/or groundwater impacts are present at the facility.

Based on the findings of this assessment, no Recognized Environmental Conditions (RECs), no historical RECs, and no controlled RECs were identified for the Property. However, based on the review of regulatory databases and observations made during the site reconnaissance, we have identified the following features of potential environmental concern or de minimis conditions. These features were not considered to be RECs. We briefly discuss each feature below.

- Two 2,000-gallon USTs used to store gasoline and diesel, which were installed in 1998, are located in the southern area of the Property. Records obtained from SMCEHS also suggest that the facility may have once operated four USTs – there are identical records of two USTs installed in both 1998 and 1999, and a facility information document from 2002 lists four on-site USTs. However, only two USTs are known to exist presently, and there are no records of removal of the other two tanks. In addition, hazardous waste, including waste oil, is stored in the hazardous waste storage shed on-site. The Ravenswood School District has received several violations pertaining to improper storage and disposal of hazardous waste and failure to meet tank monitoring/testing requirements. We recommend that an SGMP is prepared, to provide procedures and protocols for managing soil during construction, as well as if unforeseen environmental impacts are encountered during site redevelopment.

- In addition to the USTs, several 55-gallon drums containing waste filters and new and used oil were observed within a hazardous waste storage shed in the eastern area of the Property. Some of the drums were not placed within secondary containment, and black staining was observed on the pavement outside of the shed. We recommend that these storage conditions

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are corrected, and that the facility continues to comply with the hazardous waste inspection requirements established by SMCEHS.

- Given the age of the existing structures, it is conceivable that asbestos, lead, and PCB-containing materials may exist within the structures. We recommend that a hazardous materials building survey is conducted prior to demolition to evaluate the presence of asbestos, lead, and PCB-containing materials.

6.1 SIGNIFICANT DATA GAPS

It is our opinion that the findings of this study are based on a sufficient level of information obtained during our contracted scope of services to render a conclusion as to whether additional appropriate investigation is required to identify the presence or likely presence of a REC. Data gaps were not identified during this process.

6.2 SIGNIFICANT ASSUMPTIONS OR DEVIATIONS FROM ASTM STANDARD PRACTICE

There were no significant deviations from ASTM Standard Practice E1527-21 in the preparation of this report.

7.0 CONCLUSIONS

It is our opinion that the findings of this study are based on a sufficient level of information obtained during our contracted scope of services to render a conclusion as to whether additional appropriate investigation is required to identify the presence or likely presence of a REC.

We have performed a phase I environmental site assessment in general conformance with the scope and limitations of ASTM E1527-21 and the standards and practices of the All Appropriate Inquiry – Final Rule (40 Code of Federal Regulations Part 312) of the Property. Any exception to, or deletions from this practice are described in Section 8.1 of the report.

This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the Property. We recommend no further environmental studies at this time; however, we recommend that the above-mentioned SMP is implemented.

8.0 LIMITATIONS

8.1 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

The professional staff at ENGEO strives to perform its services in a proper and professional manner with reasonable care and competence but is not infallible. The recommendations and conclusions presented in this report were based on the findings of our study, which were developed solely from the contracted services. The findings of the report are based in part on contracted database research, out-of-house reports, and personal communications. The opinions formed by ENGEO are based on the assumed accuracy of the relied upon data in conjunction with our relevant professional experience related to such data interpretation. We assume no liability for the validity of the materials relied upon in the preparation of this report.

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This document must not be subject to unauthorized reuse; that is, reuse without written authorization of ENGEO. Such authorization is essential because it requires ENGEO to evaluate the document's applicability given new circumstances, not the least of which is passage of time. The findings from a phase I environmental site assessment are valid for 1 year after from the earliest date of the following components: records review, site reconnaissance, interviews, declaration by environmental professional. Updates of portions of the assessment may be necessary after a period of 180 days of the earliest date of the four components.

A more extensive assessment that would include a subsurface exploration with laboratory testing of soil, soil gas, and groundwater samples could provide more definitive information concerning site-specific conditions. If additional assessment activities are considered for the Property and if other entities are retained to provide such services, ENGEO cannot be held responsible for any and all claims arising from or resulting from the performance of such services by other persons or entities. ENGEO can also not be held responsible from any and all claims arising or resulting from clarifications, adjustments, modifications, discrepancies or other changes necessary to reflect changed field or other conditions.

8.2 SPECIAL TERMS AND CONDITIONS

We have prepared this report for the exclusive use of our client, USA Multifamily Development. It is recognized and agreed that ENGEO has assumed responsibility only for undertaking the study for the Client. The responsibility for disclosures or reports to a third party and for remedial or mitigative action shall be solely that of the Client.

This phase I environmental site assessment is not intended to represent a complete soil, soil gas, or groundwater characterization, nor define the depth or extent of soil, soil gas, or groundwater contamination. It is intended to provide an evaluation of potential environmental concerns associated with the use of the Property. Laboratory testing of soil, soil gas, or groundwater samples was not within the scope of the contracted services. The assessment did not include an asbestos survey, an evaluation of lead-based paint, an inspection of light ballasts for polychlorinated biphenyls (PCBs), or a mold survey. A radon evaluation was not performed.

This report is based upon field and other conditions discovered at the time of preparation of ENGEO's assessment. Visual observations referenced in this report are intended only to represent conditions at the time of the reconnaissance. We would not be aware of site contamination, such as dumping and/or accidental spillage, which occurred subsequent to the reconnaissance conducted by ENGEO personnel.

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SELECTED REFERENCES

CalGEM Well Finder
(https://maps.conservation.ca.gov/doggr/wellfinder/#openModal/-118.94276/37.12009/6)

California Department of Public Health – Radon Program–
(https://www.cdph.ca.gov/Programs/CEH/DRSEM/CDPH%20Document%20Library/EMB/Radon/Radon%20Test%20Results.pdf).

California Department of Water Resources (http://www.water.ca.gov/waterdatalibrary/)

California Geologic Energy Management Division (CalGEM)
(https://www.conservation.ca.gov/calgem)

Dibblee, T.W. and Minch, J.A., 2007. Geologic map of the Palo Alto and Mountain View Quadrangles, Alameda, San Mateo, and Santa Clara Counties, California. Map Scale 1:24,000.

Google Maps (http://maps.google.com)

Partner Engineering and Science, Inc., 2021. Phase I Environmental Site Assessment Report, East Palo Alto, California, October 26, 2021.

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FIGURES

FIGURE 1: Vicinity Map
FIGURE 2: Site Plan
FIGURE 3: Assessor's Parcel Map
FIGURE 4: Site Photographs

BASEMAP SOURCE: ESRI MAPPING SERVICE

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VICINITY MAP

RAVENSWOOD SCHOOL DISTRICT SITE

EAST PALO ALTO, CALIFORNIA

PROJECT NO. :	23926.000.001
SCALE:	AS SHOWN
DRAWN BY: LMJ	CHECKED BY: SPM

FIGURE NO. 1

PATH: G:\DRAFTING\PROJECTS_22000 TO 23999\23926\ESA\23926000001002RAVENSWOODSCHOOLDISTRICTSITE_ESA_0923.APRX
LAYOUT: VICINITY USER: LJOHNSON

ORIGINAL FIGURE PRINTED IN C

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2022

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SITE PLAN

RAVENSWOOD SCHOOL DISTRICT SITE

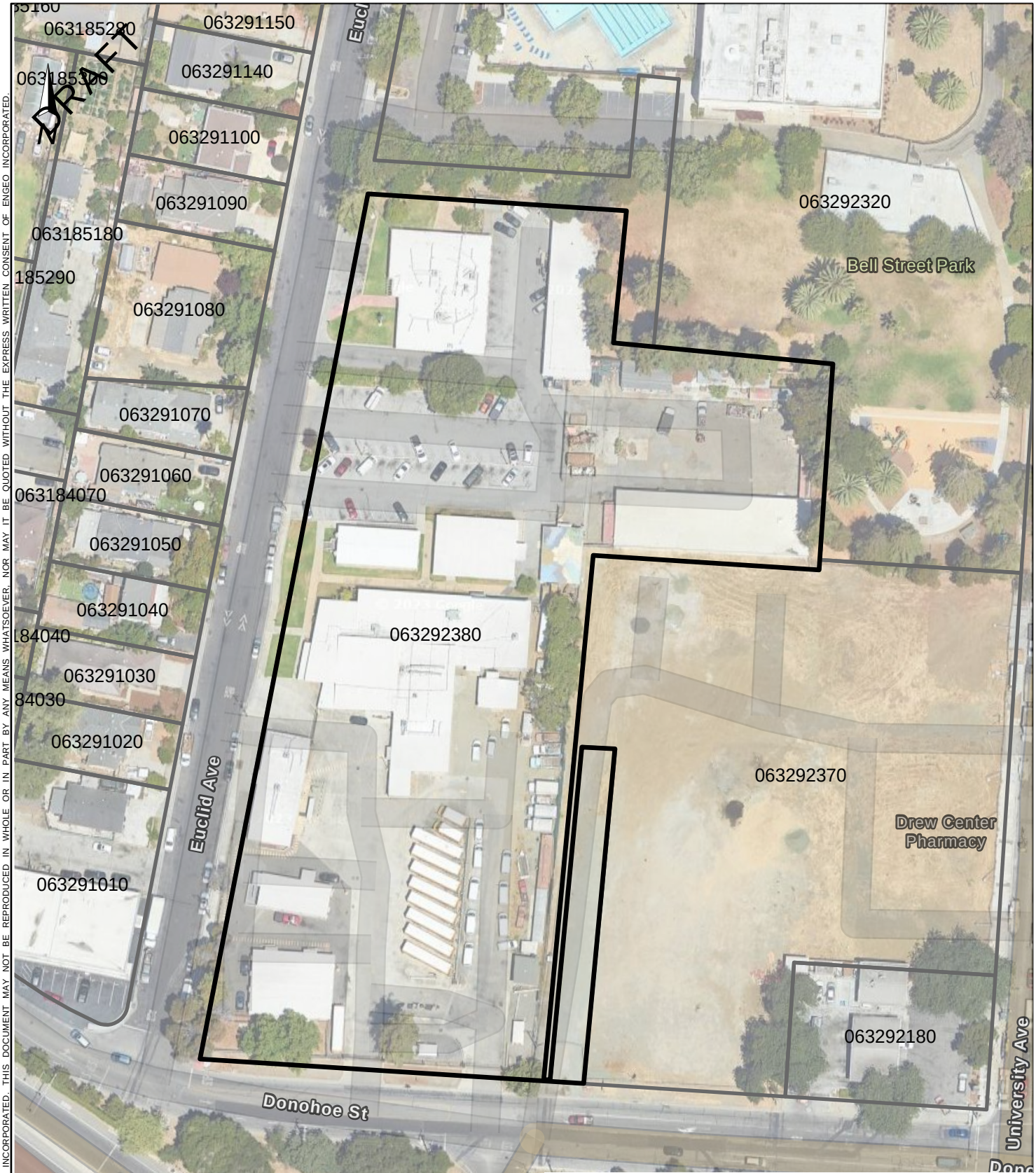
EAST PALO ALTO, CALIFORNIA

PROJECT NO. :	23926.000.001
SCALE:	AS SHOWN
DRAWN BY: LMJ	CHECKED BY: SPM

FIGURE NO. 2

PATH: G:\DRAFTING\PROJECTS_22000 TO 23999\23926\ESA\23926000001002RAVENSWOODSCHOOLDISTRICTSITE_ESA_0923.APRX
LAYOUT: SITE PLAN PORTRAIT LETTER 8.5 X 11 USER: LJOHNSON

ORIGINAL FIGURE PRINTED IN C



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

Project Site

Parcel Boundary

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2021 AND CONTRA COSTA COUNTY ASSESSOR'S OFFICE

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ASSESSOR'S PARCEL MAP

RAVENSWOOD SCHOOL DISTRICT SITE

EAST PALO ALTO, CALIFORNIA

PROJECT NO. :	23926.000.001
SCALE:	AS SHOWN
DRAWN BY: LMJ	CHECKED BY: SPM

FIGURE NO. 3

PATH: G:\DRAFTING\PROJECTS_22000 TO 23999\23926\ESA\23926000001002RAVENSWOODSCHOOLDISTRICTSITE_ESA_0923.APRX
LAYOUT: PARCEL_NEW USER: NLAMOTTEKERR

ORIGINAL FIGURE PRINTED IN C

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VIEW OF OFFICE SUPPLY DEBRIS IN THE MAINTENANCE YARD

OIL AND WASTE OIL STORAGE IN THE MAINTENANCE YARD

HAZARDOUS WASTE STORAGE SHED

PUMP STATION AND APPROXIMATE LOCATION OF USTS IN SOUTHERN AREA OF PROPERTY

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SITE PHOTOGRAPHS
RAVENSWOOD SCHOOL DISTRICT SITE
EAST PALO ALTO, CALIFORNIA

PROJECT NUMBER:	**23926.000.001**		FIGURE NO. 4A
SCALE:	**NO SCALE**		
DRAWN BY: **NLK**		CHECKED BY: **SPM**	

Path :\\usazurefiles.file.core.windows.net\usfiles\Active Projects_22000 to 23999\23926\23926000001 - Euclid\002 - ESA\DRAFTING\Fig 4 site photographs

ORIGINAL FIGURE PRINTED IN (

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COMPRESSED NATURAL GAS STORAGE IN SCHOOL BUS PARKING LOT

SCHOOL BUS PARKING AREA

OFFICE BUILDINGS

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SITE PHOTOGRAPHS
RAVENSWOOD SCHOOL DISTRICT SITE
EAST PALO ALTO, CALIFORNIA

PROJECT NUMBER: **23926.000.001**	FIGURE NO. 4B
SCALE: **NO SCALE**	
DRAWN BY: **NLK** CHECKED BY: **SPM**	

Path :\\usazurefiles.file.core.windows.net\usfiles\Active Projects_22000 to 23999\23926\23926000001 - Euclid\002 - ESA\DRAFTING\Fig 4 site photographs

ORIGINAL FIGURE PRINTED IN C

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APPENDIX A

ENVIRONMENTAL DATA RESOURCES, INC.

Radius Map Report

2160 Euclid Avenue
2160 Euclid Avenue
Palo Alto, CA 94303

Inquiry Number: 07423178.2r
August 22, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	366
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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-11
Physical Setting Source Map Findings	A-13
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2160 EUCLID AVENUE
PALO ALTO, CA 94303

COORDINATES

Latitude (North):	37.4637370 - 37° 27' 49.45''
Longitude (West):	122.1432570 - 122° 8' 35.72''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	575766.8
UTM Y (Meters):	4146458.5
Elevation:	22 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12016467 PALO ALTO, CA
Version Date:	2018
East Map:	12016461 MOUNTAIN VIEW, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200526, 20200525
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2160 EUCLID AVENUE
PALO ALTO, CA 94303

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	RAVENSWOOD CITY SCHO	2160 EUCLID AVE	FINDS		TP
A2	RAVENSWOOD CITY SCHO	2160 EUCLID AVE	UST		TP
A3	RAVENSWOOD CITY SCHO	2160 EUCLID AVE	CERS HAZ WASTE, CERS TANKS, EMI, HAZNET, CERS,...		TP
A4	RAVENSWOOD CITY SCHO	2160 EUCLID AVE	SWEEPS UST		TP
A5	RAVENSWOOD CITY SCHO	2160 EUCLID	San Mateo Co. BI		TP
A6	RAVENSWOOD SCHOOL DI	2160 EUCLID AVE	HWTS		TP
A7	RAVENSWOOD CITY SCHO	2110 EUCLID	San Mateo Co. BI	Higher	1 ft.
A8	RAVENSWOOD CITY SCHO	2120 EUCLID AVE	RCRA NonGen / NLR	Higher	1 ft.
A9	RAVENSWOOD CITY SCHO	2120 EUCLID AVE	FINDS, ECHO	Higher	1 ft.
B10	DREW HEALTH FOUNDATI	2111 UNIVERSITY	San Mateo Co. BI	Higher	146, 0.028, ESE
B11	SOBRATO INTERESTS 3	2111 UNIVERSITY AVE	RCRA NonGen / NLR	Higher	146, 0.028, ESE
B12	SOBRATO INTERESTS 3	2111 UNIVERSITY AVE	RCRA NonGen / NLR	Higher	146, 0.028, ESE
C13	MARIAS TAQUERIA	2150 UNIVERSITY	San Mateo Co. BI	Lower	231, 0.044, ENE
C14	MI PUEBLITO	2150 UNIVERSITY	San Mateo Co. BI	Lower	231, 0.044, ENE
C15	EPA FISH CHICKEN	2150 UNIVERSITY	San Mateo Co. BI	Lower	231, 0.044, ENE
D16	GOODWILL PROPERTY	1475 EAST BAYSHORE R	LUST, Cortese, CERS	Higher	247, 0.047, WSW
D17	GOODWILL PROPERTY	1475 E BAYSHORE RD	LUST	Higher	247, 0.047, WSW
B18	CHEVRON 91081	2101 UNIVERSITY AVE	RCRA-LQG	Higher	252, 0.048, SE
B19	CHEVRON SERVICE STAT	2101 UNIVERSITY AVE	UST	Higher	252, 0.048, SE
B20	CHEVRON SERVICE STAT	2101 UNIVERSITY AVE	LUST, SWEEPS UST, Cortese, HIST CORTESE, CERS	Higher	252, 0.048, SE
B21	CHEVRON 9-1081	2101 UNIVERSITY	LUST, San Mateo Co. BI	Higher	252, 0.048, SE
B22	ELBERT KIMBROUGH CHE	2101 UNIVERSITY AVE	EDR Hist Auto	Higher	252, 0.048, SE
B23	CHEVRON SERVICE STAT	2101 UNIVERSITY AVE	CERS HAZ WASTE, CERS TANKS, CERS	Higher	252, 0.048, SE
B24	91061	2101 UNIVERSITY AV	HIST UST	Higher	252, 0.048, SE
C25	RANCHO GRANDE SUPERM	2148 UNIVERSITY	San Mateo Co. BI	Lower	322, 0.061, ENE
C26	AUTOZONE #3302	2160 UNIVERSITY AVE	CERS HAZ WASTE, CERS	Lower	324, 0.061, ENE
C27	AUTOZONE #3302	2160 UNIVERSITY AVE	RCRA NonGen / NLR	Lower	324, 0.061, ENE
C28	TADLOCKS AUTO SUPPLY	2160 UNIVERSITY	San Mateo Co. BI	Lower	324, 0.061, ENE
E29	EAST PALO ALTO FAMIL	550 BELL	San Mateo Co. BI	Lower	369, 0.070, NNE
F30	THE SOBRATO ORGANIZA	2100 UNIVERSITY	San Mateo Co. BI	Higher	382, 0.072, SE
F31	RAVENSWOOD COMMUNITY	2100 UNIVERSITY	San Mateo Co. BI	Higher	382, 0.072, SE
F32	SJC18	2100 UNIVERSITY AVE	RCRA-SQG	Higher	382, 0.072, SE
E33	EPISCOPAL HOMES FOUN	560 BELL	San Mateo Co. BI	Lower	387, 0.073, NNE
E34	CITY OF EAST PALO AL	560 BELL ST	RCRA NonGen / NLR	Lower	387, 0.073, NNE
E35	EAST PALO ALTO SENIO	560 BELL	San Mateo Co. BI	Lower	387, 0.073, NNE
D36	LUCAS M A	1435 E BAYSHORE RD	EDR Hist Cleaner	Higher	466, 0.088, West
F37	B & M	2118 UNIVERSITY	San Mateo Co. BI	Lower	475, 0.090, ESE
G38	PALO ALTO SHELL	2194 UNIVERSITY AVE	RCRA NonGen / NLR	Lower	486, 0.092, NE
G39	BANSAL INC	2194 UNIVERSITY AVE	EDR Hist Auto	Lower	486, 0.092, NE

MAPPED SITES SUMMARY

Target Property Address:
2160 EUCLID AVENUE
PALO ALTO, CA 94303

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	E PALO ALTO SHELL	2194 UNIVERSITY AVE	UST	Lower	486, 0.092, NE
G41	SHELL STATION	2194 UNIVERSITY	LUST, Cortese, CERS	Lower	486, 0.092, NE
G42	JOHN S GEORGIOU INC	2194 UNIVERSITY AVE	HIST UST	Lower	486, 0.092, NE
G43	E PALO ALTO SHELL	2194 UNIVERSITY AVE	CERS HAZ WASTE, CERS TANKS, CERS	Lower	486, 0.092, NE
G44	S & V PLATO SHELL	2194 UNIVERSITY	San Mateo Co. BI	Lower	486, 0.092, NE
G45	E PALO ALTO SHELL	2194 UNIVERSITY	San Mateo Co. BI	Lower	486, 0.092, NE
G46	SHELL SERVICE STATIO	2194 UNIVERSITY AVE	RCRA-SQG, FINDS	Lower	486, 0.092, NE
G47	SHELL SERVICE STATIO	2194 UNIVERSITY AVE	UST	Lower	486, 0.092, NE
F48	COUNTRY TIME MARKET	635 DONOHOE	San Mateo Co. BI	Higher	620, 0.117, ESE
H49	A1 AUTOMOTIVE REPAIR	648 DONOHOE	San Mateo Co. BI	Higher	653, 0.124, SE
H50	EL GALOPE TAQUERIA	641 DONOHOE	San Mateo Co. BI	Lower	675, 0.128, ESE
I51	RAVENSWOOD SCHOOL	2021 EUCLID AVENUE	RCRA NonGen / NLR	Higher	755, 0.143, SSW
J52	IZZY BROOKLYN BAGELS	2220 UNIVERSITY	San Mateo Co. BI	Lower	802, 0.152, NNE
J53	THREE BROTHERS TACOS	2220 UNIVERSITY	San Mateo Co. BI	Lower	802, 0.152, NNE
54	ROMANOVSKY, SERGEY	2157 COOLEY AVENUE	RCRA NonGen / NLR	Lower	839, 0.159, ENE
K55	875 O'CONNER STREET	875 O'CONNER STREET	US BROWNFIELDS, FINDS	Higher	861, 0.163, South
K56	THE FRIENDLY PLACE R	583 OCONNOR	San Mateo Co. BI	Higher	863, 0.163, South
I57	RESIDENCE	495 OCONNOR	San Mateo Co. BI	Higher	865, 0.164, SSW
H58	JONES MORTUARY INC	660 DONOHOE	San Mateo Co. BI	Higher	884, 0.167, ESE
H59	JONES MORTUARY	660 DONOHOE	LUST, Cortese, CERS	Higher	884, 0.167, ESE
J60	METRO PCS	2240 UNIVERSITY	San Mateo Co. BI	Lower	888, 0.168, NNE
L61	FOUR SEASONS HOTEL S	2050 UNIVERSITY AVE	RCRA-SQG	Higher	909, 0.172, SSE
L62	DTRS PALO ALTO LLC D	2050 UNIVERSITY AVE	RCRA NonGen / NLR	Higher	909, 0.172, SSE
L63	FOUR SEASONS SILICON	2050 UNIVERSITY AVEN	DRYCLEANERS, EMI	Higher	909, 0.172, SSE
L64	FOUR SEASONS HOTEL S	2050 UNIVERSITY AVE	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	909, 0.172, SSE
I65	LA TIENDITA MARKET	510 OCONNOR	San Mateo Co. BI	Higher	909, 0.172, SSW
I66	LA TIENDITA MARKET	510 OCONNOR	San Mateo Co. BI	Higher	909, 0.172, SSW
67	ARDMORE APARTMENTS-	315 E OKEEFE STREET	RCRA NonGen / NLR	Higher	1105, 0.209, WSW
68	COOLEY AVENUE MARKET	2235 COOLEY	San Mateo Co. BI	Lower	1137, 0.215, NE
M69	OAKWOOD MARKET INC	2106 OAKWOOD	San Mateo Co. BI	Higher	1138, 0.216, WNW
L70	FOUR SEASONS HOTEL S	2050 UNIVERSITY	San Mateo Co. BI	Higher	1152, 0.218, South
M71	TREE OF LIFE HEALTH	2140 OAKWOOD	San Mateo Co. BI	Higher	1161, 0.220, WNW
N72	COMMUNITY DAY SCHOOL	763 GREEN ST	RCRA NonGen / NLR	Lower	1219, 0.231, East
N73	GRANT BLACKBURN	752 CAMPHOR WAY	RCRA NonGen / NLR	Lower	1231, 0.233, East
O74	UNIVERSITY CIRCLE IN	2000 UNIVERSITY	San Mateo Co. BI	Higher	1240, 0.235, South
O75	UNIVERSITY ARCO #749	1998 UNIVERSITY AVE	SWEEPS UST	Higher	1255, 0.238, South
O76	ARCO	1998 UNIVERSITY	LUST, Cortese, HIST CORTESE, CERS	Higher	1255, 0.238, South
O77	ARCO #749	1998 UNIVERSITY	LUST, San Mateo Co. BI	Higher	1255, 0.238, South
O78	NASSER DIN ROOHI	1998 UNIVERSITY AVE	HIST UST	Higher	1255, 0.238, South

MAPPED SITES SUMMARY

Target Property Address:
2160 EUCLID AVENUE
PALO ALTO, CA 94303

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
O79	NASSER DIN ROOHI	1998 UNIVERSITY AVE	SWEEPS UST, CA FID UST	Higher	1255, 0.238, South
P80	MANUEL PUEBLA	2081 OAKWOOD DR.	RCRA NonGen / NLR	Higher	1287, 0.244, West
P81	CHEW, JEREMY	2081 OAKWOOD DRIVE	RCRA NonGen / NLR	Higher	1287, 0.244, West
82	PROPERTY AT	284 DONOHOE	SWEEPS UST, San Mateo Co. BI	Higher	1296, 0.245, WSW
N83	EAST PALO ALTO - GRE	794 GREEN ST.	US BROWNFIELDS, FINDS	Lower	1357, 0.257, East
84	755 SCHEMBRI LANE	755 SCHEMBRI LANE	ENVIROSTOR, VCP	Lower	1560, 0.295, NE
Q85	UNOCAL #2862	1901 UNIVERSITY	LUST, SWEEPS UST, HIST UST, San Mateo Co. BI,...	Higher	1658, 0.314, South
Q86	UNOCAL	1901 UNIVERSITY	HIST CORTESE	Higher	1658, 0.314, South
87	O'CONNOR SCHOOL SITE	275 ELLIOTT DRIVE	ENVIROSTOR, SCH, HAZNET, NPDES, CIWQS, HWTS	Higher	1920, 0.364, SW
R88	MIZUFUNE NURSERY	756 RUNNYMEDE	LUST, SWEEPS UST, Cortese, HIST CORTESE, CERS	Lower	2014, 0.381, NE
R89	MIZUFUNE NURSERY	756 RUNNYMEDE	LUST, San Mateo Co. BI	Lower	2014, 0.381, NE
R90	NARITA PROPERTY	806 RUNNYMEDE	LUST, Cortese, CERS	Lower	2181, 0.413, NE
R91	PRIVATE RESIDENCE	PRIVATE RESIDENCE	CPS-SLIC	Lower	2186, 0.414, NE
R92	791-805 RUNNYMEDE ST	791 AND 805 RUNNYMED	US BROWNFIELDS, FINDS	Lower	2205, 0.418, NE
93	1508 BAY RD., EAST P	1508 BAY RD.	US BROWNFIELDS	Higher	2371, 0.449, North
S94	872 RUNNYMEDE	872 RUNNYMEDE STREET	US BROWNFIELDS, FINDS	Lower	2411, 0.457, NE
S95	MILES PROPERTY	872 RUNNYMEDE	LUST, CPS-SLIC, CERS	Lower	2411, 0.457, NE
96	SIRI BROS PARTNERSHI	2012 CLARK	CPS-SLIC, HIST CORTESE, CERS	Lower	2427, 0.460, ESE
S97	855 RUNNYMEDE STREET	855 RUNNYMEDE STREET	US BROWNFIELDS, FINDS	Lower	2433, 0.461, NE
T98	IBRAHIM PROPERTY	2395 UNIVERSITY	LUST, Cortese, HIST CORTESE, CERS	Higher	2630, 0.498, NNE
T99	UST SITE	2395 UNIVERSITY	LUST, San Mateo Co. BI	Higher	2630, 0.498, NNE
U100	MYRTLE STREET HIGH S	980 AND 992 MYRTLE S	ENVIROSTOR, VCP, DEED	Lower	2832, 0.536, East
U101	MYRTLE STREET HIGH S	1010, 1020, 1040, 10	ENVIROSTOR, SCH	Lower	3024, 0.573, East
102	1010 RUNNYMEDE	1010 RUNNYMEDE	ENVIROSTOR, CPS-SLIC, CERS	Lower	3347, 0.634, ENE
103	ELECTRITE PLATING CO	1805 BAY ROAD	ENVIROSTOR, LUST, FINDS, ECHO, Cortese, HIST...	Lower	3641, 0.690, NE
104	KNOWN	600 WILLOW ROAD	Notify 65	Higher	4320, 0.818, West
105	SANFORD METAL PROCES	990 O BRIEN DR	RCRA-LQG, ENVIROSTOR	Lower	4390, 0.831, NNW
V106	STARLINK LOGISTICS I	1990 BAY ROAD	SEMS, CORRACTS, RCRA-TSDF, RCRA-SQG, 2020 COR...	Lower	4896, 0.927, NE
V107	RHONE-POULENC - 1990	1990 BAY ROAD	CPS-SLIC, HWP, CERS	Lower	4896, 0.927, NE
V108	STARLINK LOGISTICS I	1990 BAY RD	ENVIROSTOR	Lower	4896, 0.927, NE
V109	ZOECON/RHONE-POULENC	1990 BAY ROAD	ENVIROSTOR	Lower	4896, 0.927, NE
V110	ZOECON/RHONE - POULE	1990 BAY ROAD	CA BOND EXP. PLAN	Lower	4896, 0.927, NE
111	WILLOW OFFICE PARK	1350-1390 WILLOW RD.	ENVIROSTOR, VCP, AQUEOUS FOAM	Lower	5155, 0.976, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
RAVENSWOOD CITY SCHO 2160 EUCLID AVE E PALO ALTO, CA 94303	FINDS Registry ID:: 110011465869	N/A
RAVENSWOOD CITY SCHO 2160 EUCLID AVE EAST PALO ALTO, CA 94303	UST Database: UST, Date of Government Version: 03/06/2023 Facility Id: 220614_009839	N/A
RAVENSWOOD CITY SCHO 2160 EUCLID AVE EAST PALO ALTO, CA 94303	CERS HAZ WASTE CERS TANKS EMI Facility Id: 100157 HAZNET GEPAID: CAL912605650 CERS HWTS	N/A
RAVENSWOOD CITY SCHO 2160 EUCLID AVE EAST PALO ALTO, CA 94303	SWEEPS UST Comp Number: 890021	N/A
RAVENSWOOD CITY SCHO 2160 EUCLID EAST PALO ALTO, CA 94303	San Mateo Co. BI Facility Id: FA0009839	N/A
RAVENSWOOD SCHOOL DI 2160 EUCLID AVE EAST PALO ALTO, CA 90000	HWTS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List

Proposed NPL ---- Proposed National Priority List Sites
NPL LIENS ---- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---- Federal Facility Site Information listing
SEMS ---- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---- Superfund Enterprise Management System Archive

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
AST ---- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---------- Waste Management Unit Database
SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information
DEED ---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing
MCS ---------- Military Cleanup Sites Listing
SPILLS 90 ---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
RMP ---------- Risk Management Plans
RAATS ---------- RCRA Administrative Action Tracking System
PRP ---------- Potentially Responsible Parties

PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CUPA Listings	CUPA Resources List
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	Inspection, Compliance and Enforcement
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System

NON-CASE INFO ---------- NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS ---------- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ---------- PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT ---------- SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ ---------- Well Stimulation Project (GEOTRACKER)
PFAS TRIS ---------- List of PFAS Added to the TRI
MINES MRDS ---------- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
STARLINK LOGISTICS I EPA ID:: CAT000611350	***1990 BAY ROAD***	***NE 1/2 - 1 (0.927 mi.)***	***V106***	***322***

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON 91081 EPA ID:: CAR000148007	2101 UNIVERSITY AVE	SE 0 - 1/8 (0.048 mi.)	B18	62

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 07/24/2023 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SJC18 EPA ID:: CAR000353110	2100 UNIVERSITY AVE	SE 0 - 1/8 (0.072 mi.)	F32	116
FOUR SEASONS HOTEL S EPA ID:: CAR000280834	2050 UNIVERSITY AVE	SSE 1/8 - 1/4 (0.172 mi.)	L61	174

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL SERVICE STATIO EPA ID:: CAD980676142	***2194 UNIVERSITY AVE***	***NE 0 - 1/8 (0.092 mi.)***	***G46***	***154***

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/24/2023 has revealed that there are

10 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
O'CONNOR SCHOOL SITE Facility Id: 60001979 Status: Active	***275 ELLIOTT DRIVE***	***SW 1/4 - 1/2 (0.364 mi.)***	***87***	***252***

Lower Elevation	Address	Direction / Distance	Map ID	Page
755 SCHEMBRI LANE Facility Id: 60002708 Status: No Further Action	***755 SCHEMBRI LANE***	***NE 1/4 - 1/2 (0.295 mi.)***	***84***	***241***
MYRTLE STREET HIGH S Facility Id: 60001925 Status: Certified O&M - Land Use Restrictions Only	***980 AND 992 MYRTLE S***	***E 1/2 - 1 (0.536 mi.)***	***U100***	***294***
MYRTLE STREET HIGH S Facility Id: 60001223 Status: Certified	***1010, 1020, 1040, 10***	***E 1/2 - 1 (0.573 mi.)***	***U101***	***301***
1010 RUNNYMEDE Facility Id: 60001548 Status: Inactive - Needs Evaluation	***1010 RUNNYMEDE***	***ENE 1/2 - 1 (0.634 mi.)***	***102***	***307***
ELECTRITE PLATING CO Facility Id: 41340028 Status: Refer: RWQCB	***1805 BAY ROAD***	***NE 1/2 - 1 (0.690 mi.)***	***103***	***310***
SANFORD METAL PROCES Facility Id: 71002837 Status: Refer: Other Agency	***990 O BRIEN DR***	***NNW 1/2 - 1 (0.831 mi.)***	***105***	***315***
STARLINK LOGISTICS I Facility Id: 80001775 Status: Refer: RWQCB	1990 BAY RD	NE 1/2 - 1 (0.927 mi.)	V108	351
ZOECON/RHONE-POULENC Facility Id: 41280121 Status: Refer: RWQCB	1990 BAY ROAD	NE 1/2 - 1 (0.927 mi.)	V109	357
WILLOW OFFICE PARK Facility Id: 60002595 Status: Active	***1350-1390 WILLOW RD.***	***NNW 1/2 - 1 (0.976 mi.)***	***111***	***360***

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 15 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOODWILL PROPERTY Database: LUST, Date of Government Version: 03/06/2023	***1475 EAST BAYSHORE R***	***WSW 0 - 1/8 (0.047 mi.)***	***D16***	***57***

Status: Completed - Case Closed
Global Id: T0608156921

GOODWILL PROPERTY 1475 E BAYSHORE RD WSW 0 - 1/8 (0.047 mi.) D17 61
Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Facility Id: 890023
Facility Status: 9- Case Closed
Global ID: T0608156921

CHEVRON SERVICE STAT ***2101 UNIVERSITY AVE*** ***SE 0 - 1/8 (0.048 mi.)*** ***B20*** ***67***
Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 890013
Facility Status: 9- Case Closed
Global Id: T0608100926
Global ID: T0608100926

CHEVRON 9-1081 ***2101 UNIVERSITY*** ***SE 0 - 1/8 (0.048 mi.)*** ***B21*** ***79***
Database: LUST REG 2, Date of Government Version: 09/30/2004
Facility Status: Pollution Characterization

JONES MORTUARY ***660 DONOHOE*** ***ESE 1/8 - 1/4 (0.167 mi.)*** ***H59*** ***170***
Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 890020
Facility Status: 9- Case Closed
Global Id: T0608152821
Global ID: T0608152821
date9: 9/13/2003

ARCO ***1998 UNIVERSITY*** ***S 1/8 - 1/4 (0.238 mi.)*** ***O76*** ***218***
Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 890003
Facility Status: 9- Case Closed
Global Id: T0608100031
Global ID: T0608100031

ARCO #749 ***1998 UNIVERSITY*** ***S 1/8 - 1/4 (0.238 mi.)*** ***O77*** ***222***
Database: LUST REG 2, Date of Government Version: 09/30/2004
Facility Status: Case Closed
date9: 9/25/2000

UNOCAL #2862 ***1901 UNIVERSITY*** ***S 1/4 - 1/2 (0.314 mi.)*** ***Q85*** ***245***
Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 890005
Facility Status: 9- Case Closed
Global Id: T0608100576
Global ID: T0608100576
date9: 8/31/1993

IBRAHIM PROPERTY ***2395 UNIVERSITY*** ***NNE 1/4 - 1/2 (0.498 mi.)*** ***T98*** ***290***
Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Database: LUST, Date of Government Version: 03/06/2023

Status: Completed - Case Closed
Facility Id: 890009
Facility Status: 9- Case Closed
Global Id: T0608100633
Global ID: T0608100633

UST SITE	***2395 UNIVERSITY***	***NNE 1/4 - 1/2 (0.498 mi.)***	***T99***	***293***

Database: LUST REG 2, Date of Government Version: 09/30/2004
Facility Status: Case Closed
date9: 6/27/2001

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL STATION	***2194 UNIVERSITY***	***NE 0 - 1/8 (0.092 mi.)***	***G41***	***127***

Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 890022
Facility Status: 9- Case Closed
Global Id: T0608182543
Global ID: T0608182543

MIZUFUNE NURSERY	***756 RUNNYMEDE***	***NE 1/4 - 1/2 (0.381 mi.)***	***R88***	***264***

Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 890011
Facility Status: 9- Case Closed
Global Id: T0608100679
Global ID: T0608100679

MIZUFUNE NURSERY	***756 RUNNYMEDE***	***NE 1/4 - 1/2 (0.381 mi.)***	***R89***	***268***

Database: LUST REG 2, Date of Government Version: 09/30/2004
Facility Status: Case Closed
date9: 12/11/1995

NARITA PROPERTY	***806 RUNNYMEDE***	***NE 1/4 - 1/2 (0.413 mi.)***	***R90***	***268***

Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 899018
Facility Status: 9- Case Closed
Global Id: T0608161049
Global ID: T0608161049

MILES PROPERTY	***872 RUNNYMEDE***	***NE 1/4 - 1/2 (0.457 mi.)***	***S95***	***283***

Database: SAN MATEO CO. LUST, Date of Government Version: 03/29/2019
Facility Id: 899021
Facility Status: 9- Case Closed
Global ID: T0608157762

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 3 CPS-SLIC sites

within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRIVATE RESIDENCE	PRIVATE RESIDENCE	NE 1/4 - 1/2 (0.414 mi.)	R91	272
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Completed - Case Closed Global Id: SL0608188488				
MILES PROPERTY	***872 RUNNYMEDE***	***NE 1/4 - 1/2 (0.457 mi.)***	***S95***	***283***
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Completed - Case Closed Global Id: T0608157762				
SIRI BROS PARTNERSHI	***2012 CLARK***	***ESE 1/4 - 1/2 (0.460 mi.)***	***96***	***285***
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Completed - Case Closed Global Id: T0608101657				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT	2101 UNIVERSITY AVE	SE 0 - 1/8 (0.048 mi.)	B19	64
Database: UST, Date of Government Version: 03/06/2023 Facility Id: 41-000-018329				

Lower Elevation	Address	Direction / Distance	Map ID	Page
E PALO ALTO SHELL	2194 UNIVERSITY AVE	NE 0 - 1/8 (0.092 mi.)	G40	125
Database: UST, Date of Government Version: 03/06/2023 Facility Id: 41-000-018322				
SHELL SERVICE STATIO	2194 UNIVERSITY AVE	NE 0 - 1/8 (0.092 mi.)	G47	156
Database: UST, Date of Government Version: 03/06/2023 Facility Id: 41-000-018322				

Lists of state and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 04/24/2023 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
755 SCHEMBRI LANE	***755 SCHEMBRI LANE***	***NE 1/4 - 1/2 (0.295 mi.)***	***84***	***241***

Status: No Further Action
Facility Id: 60002708

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 04/06/2023 has revealed that there are 6 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
875 O'CONNER STREET ACRES property ID: 15635	***875 O'CONNER STREET***	***S 1/8 - 1/4 (0.163 mi.)***	***K55***	***164***
1508 BAY RD., EAST P ACRES property ID: 212722	1508 BAY RD.	N 1/4 - 1/2 (0.449 mi.)	93	274

Lower Elevation	Address	Direction / Distance	Map ID	Page
EAST PALO ALTO - GRE ACRES property ID: 225141	***794 GREEN ST.***	***E 1/4 - 1/2 (0.257 mi.)***	***N83***	***232***
791-805 RUNNYMEDE ST ACRES property ID: 15632	***791 AND 805 RUNNYMED***	***NE 1/4 - 1/2 (0.418 mi.)***	***R92***	***273***
872 RUNNYMEDE ACRES property ID: 15637	***872 RUNNYMEDE STREET***	***NE 1/4 - 1/2 (0.457 mi.)***	***S94***	***277***
855 RUNNYMEDE STREET ACRES property ID: 15631	***855 RUNNYMEDE STREET***	***NE 1/4 - 1/2 (0.461 mi.)***	***S97***	***286***

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/17/2023 has revealed that there are 4 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT	***2101 UNIVERSITY AVE***	***SE 0 - 1/8 (0.048 mi.)***	***B23***	***81***
FOUR SEASONS HOTEL S	***2050 UNIVERSITY AVE***	***SSE 1/8 - 1/4 (0.172 mi.)***	***L64***	***181***

Lower Elevation	Address	Direction / Distance	Map ID	Page
AUTOZONE #3302	***2160 UNIVERSITY AVE***	***ENE 0 - 1/8 (0.061 mi.)***	***C26***	***98***
E PALO ALTO SHELL	***2194 UNIVERSITY AVE***	***NE 0 - 1/8 (0.092 mi.)***	***G43***	***133***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT Status: A Tank Status: A Comp Number: 890013	***2101 UNIVERSITY AVE***	***SE 0 - 1/8 (0.048 mi.)***	***B20***	***67***
UNIVERSITY ARCO #749 Status: A Tank Status: A Comp Number: 890009	1998 UNIVERSITY AVE	S 1/8 - 1/4 (0.238 mi.)	O75	215
NASSER DIN ROOHI Status: A Tank Status: A Comp Number: 26961	***1998 UNIVERSITY AVE***	***S 1/8 - 1/4 (0.238 mi.)***	***O79***	***225***
PROPERTY AT Comp Number: 890031	***284 DONOHOE***	***WSW 1/8 - 1/4 (0.245 mi.)***	***82***	***231***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
91061 Facility Id: 00000061983	2101 UNIVERSITY AV	SE 0 - 1/8 (0.048 mi.)	B24	96
NASSER DIN ROOHI Facility Id: 00000026961	1998 UNIVERSITY AVE	S 1/8 - 1/4 (0.238 mi.)	O78	223

Lower Elevation	Address	Direction / Distance	Map ID	Page
JOHN S GEORGIOU INC Facility Id: 00000051126	2194 UNIVERSITY AVE	NE 0 - 1/8 (0.092 mi.)	G42	132

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NASSER DIN ROOHI	***1998 UNIVERSITY AVE***	***S 1/8 - 1/4 (0.238 mi.)***	***O79***	***225***

Facility Id: 43008436
Status: A

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 04/17/2023 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT	***2101 UNIVERSITY AVE***	***SE 0 - 1/8 (0.048 mi.)***	***B23***	***81***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
E PALO ALTO SHELL	***2194 UNIVERSITY AVE***	***NE 0 - 1/8 (0.092 mi.)***	***G43***	***133***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/24/2023 has revealed that there are 14 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAVENSWOOD CITY SCHO EPA ID:: CAL912605650	2120 EUCLID AVE	0 - 1/8 (0.000 mi.)	A8	49
SOBRATO INTERESTS 3 EPA ID:: CAC003069162	2111 UNIVERSITY AVE	ESE 0 - 1/8 (0.028 mi.)	B11	52
SOBRATO INTERESTS 3 EPA ID:: CAC003069158	2111 UNIVERSITY AVE	ESE 0 - 1/8 (0.028 mi.)	B12	54
RAVENSWOOD SCHOOL EPA ID:: CAC002964777	2021 EUCLID AVENUE	SSW 1/8 - 1/4 (0.143 mi.)	I51	159
DTRS PALO ALTO LLC D EPA ID:: CAL000371626	2050 UNIVERSITY AVE	SSE 1/8 - 1/4 (0.172 mi.)	L62	176
ARDMORE APARTMENTS- EPA ID:: CAC002963848	315 E OKEEFE STREET	WSW 1/8 - 1/4 (0.209 mi.)	67	205
MANUEL PUEBLA EPA ID:: CAC003108056	2081 OAKWOOD DR.	W 1/8 - 1/4 (0.244 mi.)	P80	227
CHEW, JEREMY EPA ID:: CAC003187847	2081 OAKWOOD DRIVE	W 1/8 - 1/4 (0.244 mi.)	P81	229
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
AUTOZONE #3302	2160 UNIVERSITY AVE	ENE 0 - 1/8 (0.061 mi.)	C27	111

EPA ID:: CAL000291406				
CITY OF EAST PALO AL EPA ID:: CAC003115218	560 BELL ST	NNE 0 - 1/8 (0.073 mi.)	E34	119
PALO ALTO SHELL EPA ID:: CAL000307245	2194 UNIVERSITY AVE	NE 0 - 1/8 (0.092 mi.)	G38	122
ROMANOVSKY, SERGEY EPA ID:: CAC003134308	2157 COOLEY AVENUE	ENE 1/8 - 1/4 (0.159 mi.)	54	162
COMMUNITY DAY SCHOOL EPA ID:: CAL000355997	763 GREEN ST	E 1/8 - 1/4 (0.231 mi.)	N72	210
GRANT BLACKBURN EPA ID:: CAC003105750	752 CAMPHOR WAY	E 1/8 - 1/4 (0.233 mi.)	N73	212

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 06/22/2023 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
STARLINK LOGISTICS I EPA ID:: CAT000611350	***1990 BAY ROAD***	***NE 1/2 - 1 (0.927 mi.)***	***V106***	***322***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 05/04/2023 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAVENSWOOD CITY SCHO Registry ID:: 110070488803	***2120 EUCLID AVE***	***0 - 1/8 (0.000 mi.)***	***A9***	***51***

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 03/25/2023 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAVENSWOOD CITY SCHO Registry ID: 110070488803	***2120 EUCLID AVE***	***0 - 1/8 (0.000 mi.)***	***A9***	***51***

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ZOECON/RHONE - POULE	1990 BAY ROAD	NE 1/2 - 1 (0.927 mi.)	V110	359

Hazardous Materials Business Plan, Hazardous Waste Generator, Underground Storage tanks

A review of the San Mateo Co. BI list, as provided by EDR, and dated 02/20/2020 has revealed that there are 34 San Mateo Co. BI sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAVENSWOOD CITY SCHO Facility Id: FA0065902	2110 EUCLID	0 - 1/8 (0.000 mi.)	A7	48
DREW HEALTH FOUNDATI Facility Id: FA0022306	2111 UNIVERSITY	ESE 0 - 1/8 (0.028 mi.)	B10	52
CHEVRON 9-1081 Facility Id: FA0018329	***2101 UNIVERSITY***	***SE 0 - 1/8 (0.048 mi.)***	***B21***	***79***
THE SOBRATO ORGANIZA Facility Id: FA0066310	2100 UNIVERSITY	SE 0 - 1/8 (0.072 mi.)	F30	115
RAVENSWOOD COMMUNITY Facility Id: FA0014587	2100 UNIVERSITY	SE 0 - 1/8 (0.072 mi.)	F31	115
COUNTRY TIME MARKET Facility Id: FA0004195	635 DONOHOE	ESE 0 - 1/8 (0.117 mi.)	F48	157
A1 AUTOMOTIVE REPAIR Facility Id: FA0014217	648 DONOHOE	SE 0 - 1/8 (0.124 mi.)	H49	157
THE FRIENDLY PLACE R Facility Id: FA0022540	583 OCONNOR	S 1/8 - 1/4 (0.163 mi.)	K56	169
RESIDENCE Facility Id: FA0023894	495 OCONNOR	SSW 1/8 - 1/4 (0.164 mi.)	I57	169
JONES MORTUARY INC Facility Id: FA0044936	660 DONOHOE	ESE 1/8 - 1/4 (0.167 mi.)	H58	169
LA TIENDITA MARKET Facility Id: FA0028724	510 OCONNOR	SSW 1/8 - 1/4 (0.172 mi.)	I65	205
LA TIENDITA MARKET Facility Id: FA0049775	510 OCONNOR	SSW 1/8 - 1/4 (0.172 mi.)	I66	205
OAKWOOD MARKET INC Facility Id: FA0000711	2106 OAKWOOD	WNW 1/8 - 1/4 (0.216 mi.)	M69	208
FOUR SEASONS HOTEL S Facility Id: FA0035723 Facility Id: FA0027499	2050 UNIVERSITY	S 1/8 - 1/4 (0.218 mi.)	L70	208
TREE OF LIFE HEALTH Facility Id: FA0013757	2140 OAKWOOD	WNW 1/8 - 1/4 (0.220 mi.)	M71	209
UNIVERSITY CIRCLE IN Facility Id: FA0026993	2000 UNIVERSITY	S 1/8 - 1/4 (0.235 mi.)	O74	214
ARCO #749	***1998 UNIVERSITY***	***S 1/8 - 1/4 (0.238 mi.)***	***O77***	***222***

Facility Id: FA0018342
Facility Id: FA0026843

PROPERTY AT Facility Id: FA0016065	***284 DONOHOE***	***WSW 1/8 - 1/4 (0.245 mi.)***	***82***	***231***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MARIAS TAQUERIA Facility Id: FA0000736	2150 UNIVERSITY	ENE 0 - 1/8 (0.044 mi.)	C13	56
MI PUEBLITO Facility Id: FA0054822	2150 UNIVERSITY	ENE 0 - 1/8 (0.044 mi.)	C14	57
EPA FISH CHICKEN Facility Id: FA0046997	2150 UNIVERSITY	ENE 0 - 1/8 (0.044 mi.)	C15	57
RANCHO GRANDE SUPERM Facility Id: FA0022335	2148 UNIVERSITY	ENE 0 - 1/8 (0.061 mi.)	C25	98
TADLOCKS AUTO SUPPLY Facility Id: FA0022459 Facility Id: FA0003207 Facility Id: FA0036049	2160 UNIVERSITY	ENE 0 - 1/8 (0.061 mi.)	C28	113
EAST PALO ALTO FAMIL Facility Id: FA0024810	550 BELL	NNE 0 - 1/8 (0.070 mi.)	E29	114
EPISCOPAL HOMES FOUN Facility Id: FA0027669	560 BELL	NNE 0 - 1/8 (0.073 mi.)	E33	118
EAST PALO ALTO SENIO Facility Id: FA0007804	560 BELL	NNE 0 - 1/8 (0.073 mi.)	E35	121
B & M Facility Id: FA0027404	2118 UNIVERSITY	ESE 0 - 1/8 (0.090 mi.)	F37	122
S & V PLATO SHELL Facility Id: FA0015176	2194 UNIVERSITY	NE 0 - 1/8 (0.092 mi.)	G44	152
E PALO ALTO SHELL Facility Id: FA0018322 Facility Id: FA0049423	2194 UNIVERSITY	NE 0 - 1/8 (0.092 mi.)	G45	152
EL GALOPE TAQUERIA Facility Id: FA0004459	641 DONOHOE	ESE 1/8 - 1/4 (0.128 mi.)	H50	158
IZZY BROOKLYN BAGELS Facility Id: FA0050528	2220 UNIVERSITY	NNE 1/8 - 1/4 (0.152 mi.)	J52	161
THREE BROTHERS TACOS Facility Id: FA0026488	2220 UNIVERSITY	NNE 1/8 - 1/4 (0.152 mi.)	J53	161
METRO PCS Facility Id: FA0010639	2240 UNIVERSITY	NNE 1/8 - 1/4 (0.168 mi.)	J60	174
COOLEY AVENUE MARKET Facility Id: FA0000703	2235 COOLEY	NE 1/8 - 1/4 (0.215 mi.)	68	208

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/20/2023 has revealed that there are 9 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOODWILL PROPERTY	***1475 EAST BAYSHORE R***	***WSW 0 - 1/8 (0.047 mi.)***	***D16***	***57***
Cleanup Status: COMPLETED - CASE CLOSED				
CHEVRON SERVICE STAT	***2101 UNIVERSITY AVE***	***SE 0 - 1/8 (0.048 mi.)***	***B20***	***67***
Cleanup Status: COMPLETED - CASE CLOSED				
JONES MORTUARY	***660 DONOHOE***	***ESE 1/8 - 1/4 (0.167 mi.)***	***H59***	***170***
Cleanup Status: COMPLETED - CASE CLOSED				
ARCO	***1998 UNIVERSITY***	***S 1/8 - 1/4 (0.238 mi.)***	***O76***	***218***
Cleanup Status: COMPLETED - CASE CLOSED				
UNOCAL #2862	***1901 UNIVERSITY***	***S 1/4 - 1/2 (0.314 mi.)***	***Q85***	***245***
Cleanup Status: COMPLETED - CASE CLOSED				
IBRAHIM PROPERTY	***2395 UNIVERSITY***	***NNE 1/4 - 1/2 (0.498 mi.)***	***T98***	***290***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL STATION	***2194 UNIVERSITY***	***NE 0 - 1/8 (0.092 mi.)***	***G41***	***127***
Cleanup Status: COMPLETED - CASE CLOSED				
MIZUFUNE NURSERY	***756 RUNNYMEDE***	***NE 1/4 - 1/2 (0.381 mi.)***	***R88***	***264***
Cleanup Status: COMPLETED - CASE CLOSED				
NARITA PROPERTY	***806 RUNNYMEDE***	***NE 1/4 - 1/2 (0.413 mi.)***	***R90***	***268***
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FOUR SEASONS SILICON	***2050 UNIVERSITY AVEN***	***SSE 1/8 - 1/4 (0.172 mi.)***	***L63***	***179***
Database: DRYCLEAN BAY AREA DIST, Date of Government Version: 02/20/2019				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON SERVICE STAT	***2101 UNIVERSITY AVE***	***SE 0 - 1/8 (0.048 mi.)***	***B20***	***67***

Reg Id: 41-1012				
ARCO	***1998 UNIVERSITY***	***S 1/8 - 1/4 (0.238 mi.)***	***O76***	***218***
Reg Id: 41-0032				
UNOCAL #2862	***1901 UNIVERSITY***	***S 1/4 - 1/2 (0.314 mi.)***	***Q85***	***245***
Reg Id: 41-0604				
UNOCAL	1901 UNIVERSITY	S 1/4 - 1/2 (0.314 mi.)	Q86	252
Reg Id: 43-1578				
IBRAHIM PROPERTY	***2395 UNIVERSITY***	***NNE 1/4 - 1/2 (0.498 mi.)***	***T98***	***290***
Reg Id: 41-0666				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MIZUFUNE NURSERY	***756 RUNNYMEDE***	***NE 1/4 - 1/2 (0.381 mi.)***	***R88***	***264***
Reg Id: 41-0715				
SIRI BROS PARTNERSHI	***2012 CLARK***	***ESE 1/4 - 1/2 (0.460 mi.)***	***96***	***285***
Reg Id: 41-1047				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/15/2023 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RHONE-POULENC - 1990	***1990 BAY ROAD***	***NE 1/2 - 1 (0.927 mi.)***	***V107***	***345***
EPA ID: CAT000611350				
Cleanup Status: CLOSED				

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 03/09/2023 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KNOWN	600 WILLOW ROAD	W 1/2 - 1 (0.818 mi.)	104	315

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include

gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELBERT KIMBROUGH CHE	2101 UNIVERSITY AVE	SE 0 - 1/8 (0.048 mi.)	B22	80
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
BANSAL INC	2194 UNIVERSITY AVE	NE 0 - 1/8 (0.092 mi.)	G39	124

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

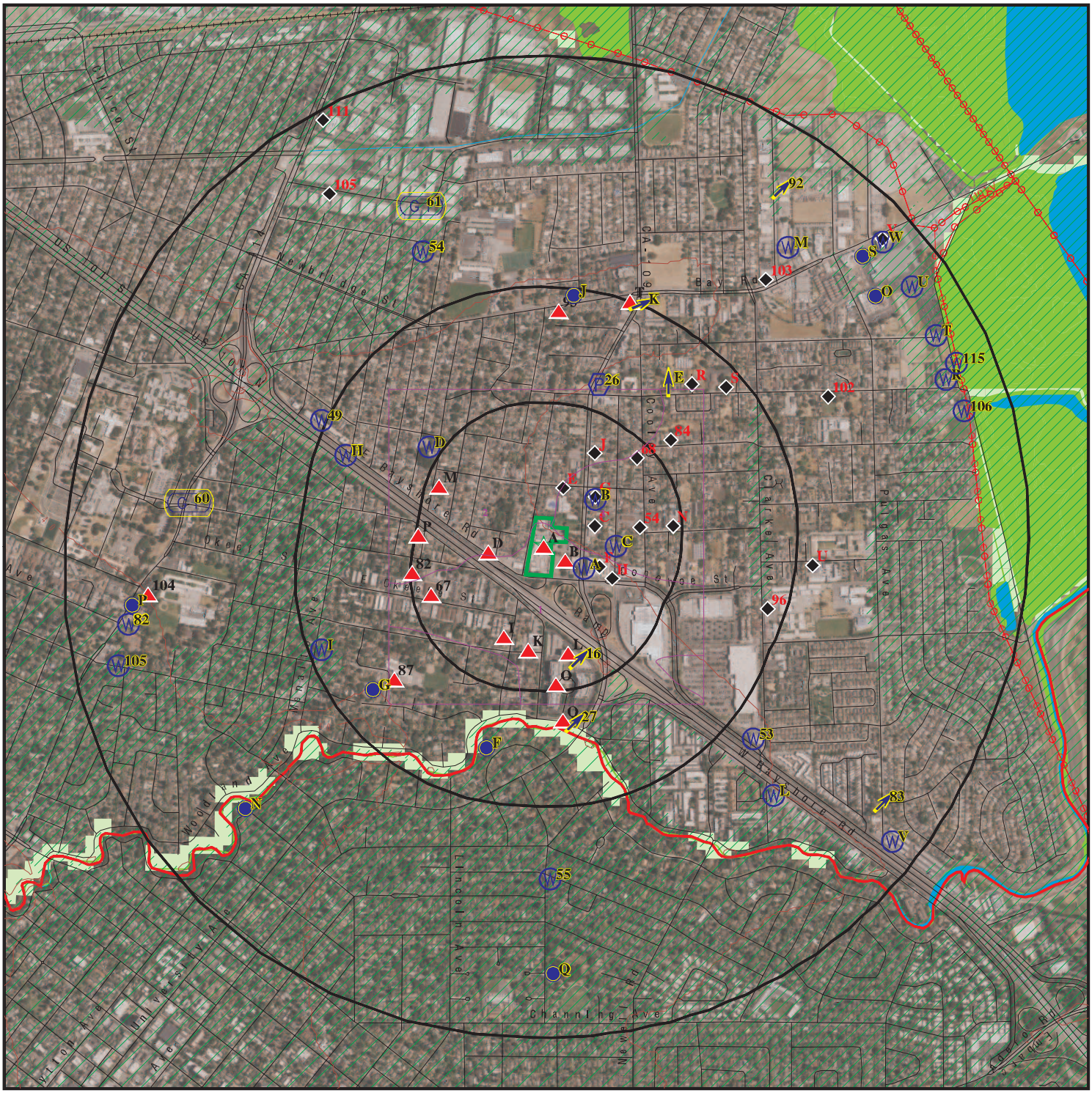
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LUCAS M A	1435 E BAYSHORE RD	W 0 - 1/8 (0.088 mi.)	D36	121

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
CALMAC CHEMICAL	SEMS-ARCHIVE
PENINSULA SPORTSMENS CLUB	CPS-SLIC
FORMER RAIL SPUR EAST PALO ALTO RI	CPS-SLIC

OVERVIEW MAP - 07423178.2R



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2160 Euclid Avenue	CLIENT: Engeo Inc.
ADDRESS: 2160 Euclid Avenue Palo Alto CA 94303	CONTACT: Rian Montagh
LAT/LONG: 37.463737 / 122.143257	INQUIRY #: 07423178.2r DATE: August 22, 2023 8:27 am

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DETAIL MAP - 07423178.2R

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	2160 Euclid Avenue	CLIENT:	Engeo Inc.
ADDRESS:	2160 Euclid Avenue Palo Alto CA 94303	CONTACT:	Rian Montagh
		INQUIRY #:	07423178.2r
LAT/LONG:	37.463737 / 122.143257	DATE:	August 22, 2023 8:27 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	1	NR	1
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		2	1	NR	NR	NR	3
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	2	8	NR	10
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		5	3	7	NR	NR	15
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	3	NR	NR	3
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	3	0	NR	NR	NR	4
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	1	NR	NR	1
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	1	5	NR	NR	6
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250	1	3	1	NR	NR	NR	5
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	1	3	NR	NR	NR	5
HIST UST	0.250		2	1	NR	NR	NR	3
CA FID UST	0.250		0	1	NR	NR	NR	1
CERS TANKS	0.250	1	2	0	NR	NR	NR	3
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		6	8	NR	NR	NR	14
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	1	NR	1
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	1	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		1	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
San Mateo Co. BI	0.250	1	18	16	NR	NR	NR	35
Cortese	0.500		3	2	4	NR	NR	9
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
EMI	0.001	1	0	NR	NR	NR	NR	1
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	1	5	NR	NR	7
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001	1	0	NR	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001	1	0	NR	NR	NR	NR	1
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
HWTS	TP	2	NR	NR	NR	NR	NR	2
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		11	52	39	27	13	0	142

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **RAVENSWOOD CITY SCHOOL DISTRICT** **FINDS** **1004442191**
Target **2160 EUCLID AVE** **N/A**
Property **E PALO ALTO, CA 94303**

Site 1 of 9 in cluster A

Actual: **22 ft.**

FINDS:
Registry ID: 110011465869

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
AIR EMISSIONS CLASSIFICATION UNKNOWN
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2 **RAVENSWOOD CITY SCHOOL DIST** **UST** **U004266210**
Target **2160 EUCLID AVE** **N/A**
Property **EAST PALO ALTO, CA 94303**

Site 2 of 9 in cluster A

Actual: **22 ft.**

UST:

Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	220614_009839
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10064314
Latitude:	37.4637870
Longitude:	-122.143280
Owner type:	Local Agency/District
Facility type:	Other
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	RAVENSWOOD CITY SCHOOL DISTRICT
Tank owner mailing address:	2160 EUCLID AVE
Tank owner mailing city:	EAST PALO ALTO
Tank owner mailing zip:	94303-
Tank owner mailing state:	CA
Tank operator name:	Carl Taft
Tank operator mailing address:	785 yuba drive
Tank operator mailing city:	mountain view
Tank operator mailing zip:	94041
Tank operator mailing state:	CA
Tankidnumber:	1
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	9/1/1998 12:00:00 AM
Tank num of compartments:	1

RAVENSWOOD CITY SCHOOL DIST (Continued) **U004266210**

Tank contents:	Regular Unleaded
Tank capacity gallons:	2000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Conventional Suction
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	Yes
Tank ball float:	No
Tank spill bucket:	Yes

Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	Not reported
Permitting Agency:	San Mateo County Environmental Health
CERSID:	Not reported
Latitude:	37.463787
Longitude:	-122.14328
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported

RAVENSWOOD CITY SCHOOL DIST (Continued) **U004266210**

Tank spill bucket:	Not reported
Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	220614_009839
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10064314
Latitude:	37.4637870
Longitude:	-122.143280
Owner type:	Local Agency/District
Facility type:	Other
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	RAVENSWOOD CITY SCHOOL DISTRICT
Tank owner mailing address:	2160 EUCLID AVE
Tank owner mailing city:	EAST PALO ALTO
Tank owner mailing zip:	94303-
Tank owner mailing state:	CA
Tank operator name:	Carl Taft
Tank operator mailing address:	785 yuba drive
Tank operator mailing city:	mountain view
Tank operator mailing zip:	94041
Tank operator mailing state:	CA
Tankidnumber:	2
Tank status:	Confirmed/Updated Information
Tank configuration:	One in a Compartmented Unit
Tank closure date:	Not reported
Tank installation date:	9/1/1998 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Diesel
Tank capacity gallons:	2000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Conventional Suction
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	Yes
Tank ball float:	No
Tank spill bucket:	Yes

A3 **RAVENSWOOD CITY SCHOOL DISTRICT** **CERS HAZ WASTE** **S113163622**
Target **2160 EUCLID AVE** **CERS TANKS** **N/A**
Property **EAST PALO ALTO, CA 94303** **EMI**
HAZNET
Site 3 of 9 in cluster A **CERS**
HWTS

Actual:
22 ft.

CERS HAZ WASTE:

Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID AVE
City,State,Zip:	EAST PALO ALTO, CA 94303

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Site ID: 400418
CERS ID: 10064314
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: RAVENSWOOD CITY SCHOOL DIST
Address: 2160 EUCLID AVE
City,State,Zip: EAST PALO ALTO, CA 94303
Site ID: 400418
CERS ID: 10064314
CERS Description: Underground Storage Tank

EMI:
Name: RAVENSWOOD CITY SCHOOL DISTRICT
Address: 2160 EUCLID AVE
City,State,Zip: EAST PALO ALTO, CA 94303
Year: 2017
County Code: 41
Air Basin: SF
Facility ID: 100157
Air District Name: BA
SIC Code: 5411
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.00154746
Reactive Organic Gases Tons/Yr: 0.00154746
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: RAVENSWOOD CITY SCHOOL DISTRICT
Address: 2160 EUCLID AVE
City,State,Zip: EAST PALO ALTO, CA 94303
Year: 2018
County Code: 41
Air Basin: SF
Facility ID: 100157
Air District Name: BA
SIC Code: 8299
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.00154746
Reactive Organic Gases Tons/Yr: 0.00154746
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: RAVENSWOOD CITY SCHOOL DISTRICT
Address: 2160 EUCLID AVE
City,State,Zip: EAST PALO ALTO, CA 94303

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Year:	2019
County Code:	41
Air Basin:	SF
Facility ID:	100157
Air District Name:	BA
SIC Code:	8299
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00154746
Reactive Organic Gases Tons/Yr:	0.00154746
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	RAVENSWOOD CITY SCHOOL DISTRICT
Address:	2160 EUCLID AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Year:	2020
County Code:	41
Air Basin:	SF
Facility ID:	100157
Air District Name:	BA
SIC Code:	8299
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00154746
Reactive Organic Gases Tons/Yr:	0.00154746
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HAZNET:

Name:	RAVENSWOOD CITY SCHOOL DISTRICT
Address:	2120 EUCLID AVE
Address 2:	Not reported
City,State,Zip:	EAST PALO ALTO, CA 943031703
Contact:	DELMA CAMACHO
Telephone:	6508383569
Mailing Name:	Not reported
Mailing Address:	2120 EUCLID AVE

Year:	2019
Gepaid:	CAL912605650
TSD EPA ID:	UTD991301748
CA Waste Code:	291 - Latex waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.45000

Year:	2015
Gepaid:	CAL912605650

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

TSD EPA ID: CAD059494310
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.1

Year: 2013
Gepaid: CAL912605650
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.19245

Year: 2012
Gepaid: CAL912605650
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.18255

Year: 2011
Gepaid: CAL912605650
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2009
Gepaid: CAL912605650
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2007
Gepaid: CAL912605650
TSD EPA ID: CAD980887418
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Year: 2007
Gepaid: CAL912605650
TSD EPA ID: NVD980895338
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.79

Year: 2006
Gepaid: CAL912605650
TSD EPA ID: NVD980895338

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.175
Year:	2004
Gepaid:	CAL912605650
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.099

Click this hyperlink while viewing on your computer to access
16 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year:	2019
EM Manifest ID:	873955
Shipment Date:	11/20/2019
Receipt Date:	12/9/2019
Manifest Number:	007232459SKS
Generator EPA ID:	CAL912605650
Name:	RAVENSWOOD CITY SCHOOL DISTRICT
Address:	2160 EUCLID AVE
Address 2:	Not reported
City:	PALO ALTO
Zip:	94303
Telephone:	800-483-3718
Contact:	Delma Camacho
Contact Telephone:	650-838-3569
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	Clean Harbors Grassy Mountain LLC
TSDF Address 1:	PO Box 22750
TSDF Address 2:	Not reported
TSDF City:	Salt Lake City
TSDF Zip:	84122
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	873955
Generator EPA ID:	CAL912605650
Shipment Date:	2019-11-20
Manifest Number:	007232459SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	291

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Year:	2019
EM Manifest ID:	640d0346-e7ed-442b-a752-cce98d3572d8
Shipment Date:	1/30/2019
Receipt Date:	2/20/2019
Manifest Number:	012878673FLE
Generator EPA ID:	CAL912605650
Name:	RAVENSWOOD CITY SCHOOL DISTRICT
Address:	2160 EUCLID AVE
Address 2:	Not reported
City:	PALO ALTO
Zip:	94303
Telephone:	800-483-3718
Contact:	Delma Camacho
Contact Telephone:	650-838-3569
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	Clean Harbors Grassy Mountain LLC
TSDF Address 1:	PO Box 22750
TSDF Address 2:	Not reported
TSDF City:	Salt Lake City
TSDF Zip:	84122
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	640d0346-e7ed-442b-a752-cce98d3572d8
Generator EPA ID:	CAL912605650
Shipment Date:	2019-01-30
Manifest Number:	012878673FLE
Line Number:	1
Method Code:	H132
Quantity Tons:	0.70000
Quantity Waste:	1400.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	291

Additional Info:

Year:	2015
Gen EPA ID:	CAL912605650
Shipment Date:	20151209
Creation Date:	3/2/2016 22:15:29
Receipt Date:	20151216
Manifest ID:	005132380SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.1
Waste Quantity:	4200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL912605650
Shipment Date:	20130924
Creation Date:	11/8/2013 22:15:06
Receipt Date:	20130924
Manifest ID:	010835024JJK
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY - KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.93985
Waste Quantity:	705
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130916
Creation Date:	11/8/2013 22:15:06
Receipt Date:	20130916
Manifest ID:	010835003JJK
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.2526
Waste Quantity:	780
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL912605650
Shipment Date:	20120920
Creation Date:	11/22/2012 22:15:09
Receipt Date:	20120924
Manifest ID:	009443767JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120118
Creation Date:	3/19/2012 20:30:14
Receipt Date:	20120118
Manifest ID:	009444855JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Quantity Tons:	2.14755
Waste Quantity:	515
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL912605650
Shipment Date:	20111115
Creation Date:	1/20/2012 20:31:14
Receipt Date:	20111116
Manifest ID:	003781277JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL912605650
Shipment Date:	20090930
Creation Date:	11/25/2009 18:30:17
Receipt Date:	20091005
Manifest ID:	004911275JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL912605650
Shipment Date:	20071108
Creation Date:	1/25/2008 18:30:59
Receipt Date:	20071109
Manifest ID:	003308880JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070215
Creation Date:	1/22/2008 10:35:24
Receipt Date:	20070226
Manifest ID:	001953656JJK
Trans EPA ID:	CAR000164012
Trans Name:	21ST CENTURY EMI
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESS WAY INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMI
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.79

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Waste Quantity:	3580
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL912605650
Shipment Date:	20060410
Creation Date:	8/4/2006 18:30:48
Receipt Date:	20060419
Manifest ID:	25049608
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORTATION REMEDIATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTRURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL912605650
Shipment Date:	20040903
Creation Date:	1/11/2005 18:31:27
Receipt Date:	20040930
Manifest ID:	23491394
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORATION & REMEDIATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTRURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	NONE
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.099

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040903
Creation Date:	1/11/2005 18:31:27
Receipt Date:	20040930
Manifest ID:	23491394
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORATION & REMEDIATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTRURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NONE
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL912605650
Shipment Date:	20031121
Creation Date:	8/11/2004 14:31:23
Receipt Date:	20031212
Manifest ID:	22599503
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	PHILIP TRANSPORATION & REMEDIATION INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTRURY EMI
TSDF Alt EPA ID:	NVD980895338
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030110
Creation Date:	5/6/2003 18:31:20
Receipt Date:	20030115
Manifest ID:	22185323
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	400418
CERS ID:	10064314
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2014
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Returned to compliance on 12/07/2015.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	11-01-2019
Citation:	49 CFR 1 172 - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172
Violation Description:	Failure of the universal waste handler to transfer universal waste to another universal waste handler, or appropriate destination facility. Failure to package, label, mark and placard shipments and prepare shipping papers for any universal waste that meets the hazardous

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

materials definition in accordance with DOT 49 CFR parts 171-180.
Violation Notes: Returned to compliance on 05/28/2021. Manifests/receipts for ewaste recycling unavailable at time of inspection. Please provide copies of these documents within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-28-2021
Citation: 23 CCR 16 2636(f)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(4)
Violation Description: Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested every 12 months: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC).
Violation Notes: Returned to compliance on 10/28/2021. During testing of the bravo boxes it was observed that both of these failed the test. After cleaning out the basin, the floats and chains were re-tested and passed. It is recommended to clean these out periodically throughout the year to ensure they are functioning properly.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 11-01-2019
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies) . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment . 3) Lamps shall be marked with Universal Waste-Lamp(s) . 4)Each electronic devices or the container or the designated area shall be marked with Universal Waste-Electronic Device(s) . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s) . 6) CRT glass or the designated area shall be marked with Universal Waste-CRT glass .
Violation Notes: Returned to compliance on 03/12/2021. Observed 2 pallets of ewaste and a table with ewaste in a different area. These areas need to be labeled with the words "electronic waste." Please label and send verification within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-28-2014
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 01/14/2015.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-28-2014
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 01/14/2015.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 09-09-2021
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/29/2022.
Violation Division: San Mateo County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-31-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 10/31/2017. Facility EPAID# deactivated due to staff changes. Please re-activate the number and sign up for electronic verification questionnaire. Copy your inspector on this request. Contact your inspector with any questions.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-24-2019
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

approved by the UPA.
Violation Notes: Returned to compliance on 10/24/2019. Previous training not conducted by DO. Facility is changing DOs and training, including today's wa,s and will be conducted by the new DO.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-28-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure of service technician, installer, designated operator, and/or employee to obtain and maintain proper manufacturer certification.
Violation Notes: Returned to compliance on 12/07/2015. Your Financial Certification has expired. You must have a current certification and submit this to the County. Submit a new Financial Certification to the County electronically within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 11-02-2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 01/11/2016. UDC #1 failed SB989. Client notified 11/2/15
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-30-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 10/30/2018. Needed updated FR form. Corrected during inspection.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-27-2022
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

	characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Facility had an old used oil tank 110 gal approx, that was not labeled with a hazardous waste label. Please update this. Delma also stated this tank was not supposed to be in service. It is outside and was also open at the time of inspection with an oil drip pan in the opening of the lid. Also, universal waste was not properly labeled> label the drum of waste ballasts as universal waste. Ensure all hazardous waste containers are properly labeled.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-26-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 11/09/2016. Diesel spill bucket drain valve failed. Please replace drain valve within 14 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-30-2018
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 12/13/2018. Diesel overfill device could not be tested due to corrosion of fill tube to riser. Please address within 30 days. No permit required. However, provide inspector with schedule for replacement and testing.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-24-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 12/04/2019. DO inspections were more than 30 days apart twice during the last year. Please ensure DI inspections occur every 30 days going forward and send inspector the next 3 DO reports.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-28-2021
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/29/2022. Plan is overdue and must be submitted ASAP. dcamacho@ravenswoodschools.org is the contact for the site.
Violation Division: San Mateo County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-26-2016
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h),

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

	2711(a)(8)
Violation Description:	Failure to submit or update a plot plan.
Violation Notes:	Returned to compliance on 01/24/2018. Plot plan is missing information and mislabeled. Please revise and resubmit within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-24-2019
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes:	Returned to compliance on 10/30/2019. Overfill inspection showed nonfunctional flapper valve. Please repair or replace and verify with inspector within 14 days. Ensure mechanic observes filling of tanks to avoid overfill.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-31-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 11/09/2017. Observed in hazardous waste storage shed, one open rolling container with used oil, and 1 drum of used oil filters and 1 drum of contaminated solids that need accumulation start dates. Please empty the open rolling container into a drum and label properly. Label the used oil filter drum with a label provided by the inspector for used oil filters. Label the other drum with the standard hazardous waste label. Please provide photo verification to inspector within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2015
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

	Waste-Lamp(s)". 4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".
Violation Notes:	Returned to compliance on 12/07/2015. Your waste lamp boxes are not labeled properly or at all. You must label all waste fluorescent lamp boxes. Do so immediately and provide verification to the County within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-31-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 02/05/2018. Observed batteries on ground near other debris from a district building. This debris should be sorted before it is dumped at the Ravenswood facility to avoid

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

	crushing any hazardous materials that may be present in the load. Please implement a process to ensure this occurs and send a copy of the procedure to the inspector within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2014
Citation:	22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2015
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Returned to compliance on 12/07/2015. There are no records of your employees being trained. All employees handling hazardous waste must be trained. You must train your waste handlers within 30 days and provide verification to the County. Second year in a row for this violation.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2021
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes:	Returned to compliance on 08/05/2022. During overfill prevention testing it was observed that the diesel overfill tube was dmaged and the flapper was in-operable. During this time any fuel deliveries will eed to be monitored for overfill in an alternate way. This will need to be replaced. Facility states they may be able to get parts for this for tomorrow.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2014
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

	plot plan.
Violation Notes:	Returned to compliance on 01/14/2015.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2014
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 10/28/2015.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/28/2015. In Portal
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2014
Citation:	HSC 6.7 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25286
Violation Description:	Failure to obtain and maintain a valid Board of Equalization account number.
Violation Notes:	Returned to compliance on 01/14/2015.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Violation Date:	10-28-2015
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 12/07/2015. Your EPA number is inactive. You must have an active EPA number. Reactivate your number immediately and provide verification to the County within 30 days. (DTSC form 1358 provided)
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-28-2015
Citation: 22 CCR 23 66273.36 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.36
Violation Description: Failure of the universal waste handler to initially train and provide annually, thereafter, all personnel who manage or who supervise those who manage universal wastes and to maintain a written record by date indicating the names of personnel who received the information. The universal waste handler shall maintain these records for at least three years from the date the person last managed any universal waste at the facility. This training shall include: 1) The types and hazards associated with the universal waste that personnel may manage at the facility; 2) The proper disposition of universal wastes managed at the facility; 3) The proper procedures for responding to releases of universal wastes including the position titles and the means of contacting those personnel at the facility who are designated to respond to reports of releases and/or to respond to questions received from other personnel at the facility; and 4) The applicable requirements of universal waste regarding labeling, collecting, handling, consolidating, and shipping universal wastes at the facility, including, but not limited to, the prohibition on the disposal of universal wastes, and for personnel involved in shipping universal wastes who are hazmat employees .
Violation Notes: Returned to compliance on 12/07/2015. There are no records of your employees being trained. All employees handling universal waste must be trained. You must train your universal waste handlers within 30 days and provide verification to the County.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Violation Date: 10-28-2014
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes: Returned to compliance on 01/14/2015.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 03-18-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-10-2019
Violations Found: No

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Eval Type: Other, not routine, done by local agency
Eval Notes: prep for ST inspection
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-12-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: site status and AMC scheduling etc.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-15-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow up on GOT Inspection
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-19-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: inspection coordination and site status for overfill and AMC etc. Set up inspection gfor 10/26
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site for annual monitoring certification, and Armas, Inc UST contractor in conjunction with annual UST inspection.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Eval Notes: Facility generates used oil (roughly 16 gal/month), coolant (very little), and universal waste (flo tubes and ewaste observed).
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-02-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: SB989 and AMC report review and documentation
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-15-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: AMC results follow up
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-16-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-21-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: tank paperwork followup
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-10-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: GOT Inspection
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-21-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-24-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: arrived earlier than planned - Armour was there to try (again) to remove drop tube - success today. Also "glitch" in VR produced self-test alarm (H8) that required a cold start, also discd St reqments. Armour will be DO, Jacob said he could create a UDC insert St requested. I asked that we disc again after I talk to DC.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-27-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: site review and inspection prep
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility does not generate a significant amount of hazardous waste. Only a minimal amount of used oil, some paints, and other misc items including universal waste are generated routinely. Facility is an SQG.
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2015
Violations Found: Yes

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Installation date 9-1-1998.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-14-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST forms in portal
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-09-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-25-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Last SB989 testing 10-27-15. Installation date 9-1-98. Single 2 x 2000-gallon compartment DW tank. Floats & chains in UDCs required roughly 12 ounces to trigger. Test water flowed away from cup. Conventional suction and whether DW not confirmed for diesel. Inspector will review situation with specialist and report back in 14 days.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2014
Violations Found: Yes
Eval Type: Routine done by local agency

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-01-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-08-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: amc results
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-18-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST AMC coordination etc.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-24-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-26-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site with contractor to conduct the AMC annual monitoring cert. This test also included an SB989 test that was witnessed by the inspector as well as the Overfill Prevention test that was witnessed by the inspector.
Eval Division: San Mateo County Environmental Health
Eval Program: UST

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-19-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Site Address: 2160 EUCLID AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 10-28-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Enf Action Division:	San Mateo County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Site Address:	2160 EUCLID AVE
Site City:	EAST PALO ALTO
Site Zip:	94303
Enf Action Date:	11-18-2019
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Certified NOV letter delivered to business on 11/20/2019. 2/23/22: Violations from this NOV has been resolved.
Enf Action Division:	San Mateo County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Site Address:	2160 EUCLID AVE
Site City:	EAST PALO ALTO
Site Zip:	94303
Enf Action Date:	10-28-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Mateo County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Site Address:	2160 EUCLID AVE
Site City:	EAST PALO ALTO
Site Zip:	94303
Enf Action Date:	08-23-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	1/29/18: facility violations have yet to be resolved 4/23/18:Facility violations closed in dispatch center.
Enf Action Division:	San Mateo County Environmental Health
Enf Action Program:	UST
Enf Action Source:	CERS,
Site ID:	400418
Site Name:	RAVENSWOOD CITY SCHOOL DIST
Site Address:	2160 EUCLID AVE
Site City:	EAST PALO ALTO
Site Zip:	94303
Enf Action Date:	11-18-2019
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Certified NOV letter delivered to business on 11/20/2019. 2/23/22: Violations from this NOV has been resolved.
Enf Action Division:	San Mateo County Environmental Health
Enf Action Program:	HW

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Enf Action Source: CERS,

Site ID: 400418
Site Name: RAVENSWOOD CITY SCHOOL DIST
Site Address: 2160 EUCLID AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 10-28-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 400418
Facility Name: RAVENSWOOD CITY SCHOOL DIST
Env Int Type Code: HMBP
Program ID: 10064314
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 37.463776
Longitude: -122.143272

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Mateo County Environmental Health
Entity Title: Not reported
Affiliation Address: 2000 Alameda de las Pulgas, Suite 100
Affiliation City: San Mateo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94403
Affiliation Phone: (650) 372-6200,

Affiliation Type Desc: Document Preparer
Entity Name: Delma Maciel
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2120 EUCLID
Affiliation City: EAST PALO ALTO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94303
Affiliation Phone: ,

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Affiliation Type Desc:	Identification Signer
Entity Name:	Delma Maciel
Entity Title:	Director of Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	RAVENSWOOD CITY SCHOOL DIST
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(650) 329-2800,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	RAVENSWOOD CITY SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	2160 EUCLID AVE
Affiliation City:	EAST PALO ALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94303-
Affiliation Phone:	(650) 329-2800,

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RAVENSWOOD CITY SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	2160 EUCLID AVE
Affiliation City:	EAST PALO ALTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94303-
Affiliation Phone:	(650) 329-2800,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Carl Taft
Entity Title:	Not reported
Affiliation Address:	785 yuba drive
Affiliation City:	mountain view
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94041
Affiliation Phone:	(650) 987-2253,

Affiliation Type Desc:	Parent Corporation
Entity Name:	RAVENSWOOD CITY SCHOOL DIST
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Delma Camacho
Entity Title: Transportation Supervisor
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (650) 838-3569,

Affiliation Type Desc: Environmental Contact
Entity Name: Delma Maciel
Entity Title: Not reported
Affiliation Address: 2120 EUCLID
Affiliation City: EAST PALO ALTO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94303
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: RAVENSWOOD CITY SCHOOL DIST
Entity Title: Not reported
Affiliation Address: 2120 EUCLID
Affiliation City: EAST PALO ALTO
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94303
Affiliation Phone: (650) 838-3569,

HWTS:
Name: RAVENSWOOD CITY SCHOOL DISTRICT
Address: 2120 EUCLID AVE
Address 2: Not reported
City,State,Zip: EAST PALO ALTO, CA 94303
EPA ID: CAL912605650
Inactive Date: Not reported
Create Date: 09/17/1991
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 2120 EUCLID AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: EAST PALO ALTO, CA 943031703
Owner Name: RAVENSWOOD CITY SCHOOL DISTRICT
Owner Address: 2120 EUCLID AVE
Owner Address 2: Not reported
Owner City,State,Zip: EAST PALO ALTO, CA 943031703
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: DELMA CAMACHO
Contact Address: 2120 EUCLID AVE
Contact Address 2: Not reported
City,State,Zip: EAST PALO ALTO, CA 94303

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S113163622**

Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	37.464611
Longitude:	-122.143702

NAICS:

EPA ID:	CAL912605650
Create Date:	2010-08-12 10:09:29.170
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	1991-09-17 00:00:00
Inactive Date:	Not reported
Facility Name:	RAVENSWOOD CITY SCHOOL DISTRICT
Facility Address:	2120 EUCLID AVE
Facility Address 2:	Not reported
Facility City:	EAST PALO ALTO
Facility County:	Not reported
Facility State:	CA
Facility Zip:	943031703

A4 **RAVENSWOOD CITY SCHOOL DIST.** **SWEEPS UST** **S103642168**
Target **2160 EUCLID AVE** **N/A**
Property **EAST PALO ALTO, CA 94303**

Site 4 of 9 in cluster A

Actual:
22 ft.

SWEEPS UST:

Name:	RAVENSWOOD CITY SCHOOL DIST.
Address:	2160 EUCLID AVE
City:	EAST PALO ALTO
Status:	Not reported
Comp Number:	890021
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	41-000-890021-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	2

Name:	RAVENSWOOD CITY SCHOOL DIST.
Address:	2160 EUCLID AVE
City:	EAST PALO ALTO
Status:	Not reported
Comp Number:	890021
Number:	Not reported
Board Of Equalization:	Not reported

RAVENSWOOD CITY SCHOOL DIST. (Continued) **S103642168**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	41-000-890021-000002
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

A5 **RAVENSWOOD CITY SCHOOL DIST** **San Mateo Co. BI** **S113755505**
Target **2160 EUCLID** **N/A**
Property **EAST PALO ALTO, CA 94303**

Site 5 of 9 in cluster A

Actual: **22 ft.**

San Mateo Co. BI:

Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0009839
Prog Element Code:	STORES MV FUELS OR WASTE ONLY
Record Id:	PR0028245
Description:	STORES MV FUELS OR WASTE ONLY
Facility Status:	Active, billable
Program Category:	BUSINESS PLAN PROGRAM

Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0009839
Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT
Record Id:	PR0028246
Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT
Facility Status:	Active, billable
Program Category:	HAZARDOUS WASTE PROGRAM

Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0009839
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0022986
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Active, billable
Program Category:	UNDERGROUND TANK PROGRAM

Name:	RAVENSWOOD CITY SCHOOL DIST
Address:	2160 EUCLID
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0009839

RAVENSWOOD CITY SCHOOL DIST (Continued) **S113755505**

Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0040368
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

A6 **RAVENSWOOD SCHOOL DISTRICT** **HWTS** **S124796439**
Target **2160 EUCLID AVE** **N/A**
Property **EAST PALO ALTO, CA 90000**

Site 6 of 9 in cluster A

Actual: **22 ft.**

HWTS:

Name:	RAVENSWOOD SCHOOL DISTRICT
Address:	2160 EUCLID AVE
Address 2:	Not reported
City,State,Zip:	EAST PALO ALTO, CA 90000
EPA ID:	CAL000095466
Inactive Date:	06/30/1998
Create Date:	07/14/1993
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2160 EUCLID AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PALO ALTO, CA 943031703
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	Not reported
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	37.464287
Longitude:	-122.1437

A7 **RAVENSWOOD CITY SCHOOL DISTRICT** **San Mateo Co. BI** **S124430647**
2110 EUCLID **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
1 ft.

Site 7 of 9 in cluster A

Relative: **Higher**
Actual: **23 ft.**

San Mateo Co. BI:

Name:	RAVENSWOOD CITY SCHOOL DISTRICT
Address:	2110 EUCLID
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0065902
Prog Element Code:	SML QUANTITY GENERATOR(1-199lbs/Mo) OFF-SITE

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **S124430647**

Record Id:	PR0088930
Description:	SQG OFF-SITE TREATMENT (1-199 LB/MO)
Facility Status:	Active, billable
Program Category:	MEDICAL WASTE

A8 **RAVENSWOOD CITY SCHOOL DISTRICT** **RCRA NonGen / NLR** **1024875448**
2120 EUCLID AVE **CAL912605650**
< 1/8 **EAST PALO ALTO, CA 94303**
1 ft.

Site 8 of 9 in cluster A

Relative: **Higher**
Actual: **23 ft.**

RCRA Listings:

Date Form Received by Agency:	19910917
Handler Name:	Ravenswood City School District
Handler Address:	2120 EUCLID AVE
Handler City,State,Zip:	EAST PALO ALTO, CA 94303-1703
EPA ID:	CAL912605650
Contact Name:	DELMA CAMACHO
Contact Address:	2120 EUCLID AVE
Contact City,State,Zip:	EAST PALO ALTO, CA 94303-1703
Contact Telephone:	650-838-3569
Contact Fax:	Not reported
Contact Email:	DCAMACHO@RAVENSWOODSCHOOLS.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2120 EUCLID AVE
Mailing City,State,Zip:	EAST PALO ALTO, CA 94303-1703
Owner Name:	Ravenswood City School District
Owner Type:	Other
Operator Name:	Delma Camacho
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **1024875448**

202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RAVENSWOOD CITY SCHOOL DISTRICT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2120 EUCLID AVE
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303-1703
Owner/Operator Telephone:	650-329-2800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: DELMA CAMACHO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2120 EUCLID AVE
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303-1703
Owner/Operator Telephone:	650-838-3569
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19910917
Handler Name: RAVENSWOOD CITY SCHOOL DISTRICT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

RAVENSWOOD CITY SCHOOL DISTRICT (Continued) **1024875448**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A9 **RAVENSWOOD CITY SCHOOL DISTRICT** **FINDS** **1024700409**
2120 EUCLID AVE **ECHO** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
1 ft.

Site 9 of 9 in cluster A

Relative: **Higher**
Actual: **23 ft.**

FINDS:
Registry ID: 110070488803

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1024700409
Registry ID: 110070488803
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070488803
Name: RAVENSWOOD CITY SCHOOL DISTRICT
Address: 2120 EUCLID AVE
City,State,Zip: EAST PALO ALTO, CA 94303

B10
ESE
< 1/8
0.028 mi.
146 ft.

DREW HEALTH FOUNDATION
2111 UNIVERSITY
EAST PALO ALTO, CA 94303

San Mateo Co. BI | **S123180568** / **N/A**

Site 1 of 10 in cluster B

Relative:
Higher

Actual:
22 ft.

San Mateo Co. BI:

Name:	DREW HEALTH FOUNDATION
Address:	2111 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0022306
Prog Element Code:	SQG (1-199 LBS/MO) HEALTH FACILITY/SNF
Record Id:	PR0023887
Description:	SQG HEALTH FACILITY/SNF (1-199 LB/MO)
Facility Status:	Inactive, non-billable
Program Category:	MEDICAL WASTE

B11
ESE
< 1/8
0.028 mi.
146 ft.

SOBRATO INTERESTS 3
2111 UNIVERSITY AVE
EAST PALO ALTO, CA 94303

RCRA NonGen / NLR | **1026169114** / **CAC003069162**

Site 2 of 10 in cluster B

Relative:
Higher

Actual:
22 ft.

RCRA Listings:

Date Form Received by Agency:	20200602
Handler Name:	Sobrato Interests 3
Handler Address:	2111 UNIVERSITY AVE
Handler City,State,Zip:	EAST PALO ALTO, CA 94303
EPA ID:	CAC003069162
Contact Name:	KEVIN MORRIS
Contact Address:	599 CASTRO ST.
Contact City,State,Zip:	MOUNTAIN VIEW, CA 94041
Contact Telephone:	408-396-4044
Contact Fax:	Not reported
Contact Email:	KMORRIS@SOBRATO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	599 CASTRO ST.
Mailing City,State,Zip:	MOUNTAIN VIEW, CA 94041
Owner Name:	The Sobrato Organization
Owner Type:	Other
Operator Name:	Kevin Morris
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

SOBRATO INTERESTS 3 (Continued) **1026169114**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: THE SOBRATO ORGANIZATION	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	599 CASTRO ST.
Owner/Operator City,State,Zip:	MOUNTAIN VIEW, CA 94041
Owner/Operator Telephone:	650-876-7010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: KEVIN MORRIS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	599 CASTRO ST.
Owner/Operator City,State,Zip:	MOUNTAIN VIEW, CA 94041
Owner/Operator Telephone:	408-396-4044
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

SOBRATO INTERESTS 3 (Continued) **1026169114**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200602
Handler Name: SOBRATO INTERESTS 3
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B12 **SOBRATO INTERESTS 3** **RCRA NonGen / NLR** **1026169110**
ESE **2111 UNIVERSITY AVE** **CAC003069158**
< 1/8 **EAST PALO ALTO, CA 94303**
0.028 mi.
146 ft. **Site 3 of 10 in cluster B**

Relative: **Higher**
Actual: **22 ft.**

RCRA Listings:
Date Form Received by Agency: 20200602
Handler Name: Sobrato Interests 3
Handler Address: 2111 UNIVERSITY AVE
Handler City,State,Zip: EAST PALO ALTO, CA 94303
EPA ID: CAC003069158
Contact Name: KEVIN MORRIS
Contact Address: 599 CASTRO ST
Contact City,State,Zip: MOUNTAIN VIEW, CA 94041
Contact Telephone: 408-396-4044
Contact Fax: Not reported
Contact Email: KMORRIS@SOBRATO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 599 CASTRO ST

SOBRATO INTERESTS 3 (Continued) **1026169110**

Mailing City,State,Zip:	MOUNTAIN VIEW, CA 94041
Owner Name:	The Sobrato Organization
Owner Type:	Other
Operator Name:	Kevin Morris
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: KEVIN MORRIS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	599 CASTRO ST
Owner/Operator City,State,Zip:	MOUNTAIN VIEW, CA 94041
Owner/Operator Telephone:	408-396-4044
Owner/Operator Telephone Ext:	Not reported

SOBRATO INTERESTS 3 (Continued) **1026169110**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THE SOBRATO ORGANIZATION
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 599 CASTRO ST
Owner/Operator City,State,Zip: MOUNTAIN VIEW, CA 94041
Owner/Operator Telephone: 650-876-7010
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200602
Handler Name: SOBRATO INTERESTS 3
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 237210
NAICS Description: LAND SUBDIVISION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C13 **MARIAS TAQUERIA** **San Mateo Co. BI** **S123179256**
ENE **2150 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.044 mi.
231 ft. **Site 1 of 7 in cluster C**

Relative: **Lower**
Actual: **20 ft.**

San Mateo Co. BI:
Name: MARIAS TAQUERIA
Address: 2150 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0000736
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0041633
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable

MARIAS TAQUERIA (Continued) **S123179256**

Program Category: STORMWATER

C14 **MI PUEBLITO** **San Mateo Co. BI** **S123183584**
ENE **2150 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.044 mi.
231 ft. **Site 2 of 7 in cluster C**

Relative: **Lower**
Actual: **20 ft.**

San Mateo Co. BI:
Name: MI PUEBLITO
Address: 2150 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0054822
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0075604
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

C15 **EPA FISH CHICKEN** **San Mateo Co. BI** **S123182730**
ENE **2150 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94043**
0.044 mi.
231 ft. **Site 3 of 7 in cluster C**

Relative: **Lower**
Actual: **20 ft.**

San Mateo Co. BI:
Name: EPA FISH CHICKEN
Address: 2150 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94043
Region: SAN MATEO
Facility ID: FA0046997
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0064076
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

D16 **GOODWILL PROPERTY** **LUST** **S109285798**
WSW **1475 EAST BAYSHORE ROAD** **Cortese** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303** **CERS**
0.047 mi.
247 ft. **Site 1 of 3 in cluster D**

Relative: **Higher**
Actual: **23 ft.**

LUST:
Name: GOODWILL PROPERTY
Address: 1475 EAST BAYSHORE ROAD
City,State,Zip: EAST PALO ALTO, CA 94303
Lead Agency: SAN MATEO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608156921
Global Id: T0608156921
Latitude: 37.4633794917219
Longitude: -122.144901752472
Status: Completed - Case Closed

GOODWILL PROPERTY (Continued) **S109285798**

Status Date:	02/26/2004
Case Worker:	Not reported
RB Case Number:	Not reported
Local Agency:	Not reported
File Location:	Local Agency Warehouse
Local Case Number:	890023
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	0
Begin Date:	10/01/1998
Leak Reported Date:	10/01/1998
How Discovered:	Not reported
How Discovered Description:	2 grab groundwater samples from borings
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	02/26/2004
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	81-85%
CA Enviroscreen 4 Score:	75-80%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

LUST:

Global Id:	T0608156921
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608156921
Contact Type:	Regional Board Caseworker
Contact Name:	UUU
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0608156921
Action Type:	REMEDIATION
Date:	08/24/2003
Action:	Excavation

Global Id:	T0608156921

GOODWILL PROPERTY (Continued) **S109285798**

Action Type: ENFORCEMENT
Date: 02/26/2004
Action: Closure/No Further Action Letter - #20040226

Global Id: T0608156921
Action Type: ENFORCEMENT
Date: 05/19/2003
Action: Staff Letter - #20030519A

Global Id: T0608156921
Action Type: ENFORCEMENT
Date: 03/20/2003
Action: Notice of Responsibility - #20030320

Global Id: T0608156921
Action Type: ENFORCEMENT
Date: 04/11/2003
Action: Staff Letter - #20030411

Global Id: T0608156921
Action Type: ENFORCEMENT
Date: 05/19/2003
Action: Staff Letter - #20030519B

Global Id: T0608156921
Action Type: RESPONSE
Date: 11/04/2003
Action: Other Report / Document

Global Id: T0608156921
Action Type: RESPONSE
Date: 05/22/2003
Action: Preliminary Site Assessment Workplan

Global Id: T0608156921
Action Type: RESPONSE
Date: 07/11/2003
Action: Soil and Water Investigation Report

Global Id: T0608156921
Action Type: RESPONSE
Date: 12/01/2003
Action: Electronic Reporting Submittal Due

Global Id: T0608156921
Action Type: RESPONSE
Date: 11/19/2003
Action: Tank Removal Report / UST Sampling Report

Global Id: T0608156921
Action Type: Other
Date: 10/01/1998
Action: Leak Reported

Global Id: T0608156921
Action Type: ENFORCEMENT
Date: 12/31/2000

GOODWILL PROPERTY (Continued) **S109285798**

Action: Technical Correspondence / Assistance / Other

Global Id: T0608156921
Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0608156921
Action Type: Other
Date: 10/01/1998
Action: Leak Discovery

LUST:
Global Id: T0608156921
Status: Open - Case Begin Date
Status Date: 10/01/1998

Global Id: T0608156921
Status: Open - Site Assessment
Status Date: 03/20/2003

Global Id: T0608156921
Status: Open - Remediation
Status Date: 05/19/2003

Global Id: T0608156921
Status: Open - Verification Monitoring
Status Date: 09/29/2003

Global Id: T0608156921
Status: Completed - Case Closed
Status Date: 02/26/2004

CORTESE:
Name: GOODWILL PROPERTY
Address: 1475 EAST BAYSHORE ROAD
City,State,Zip: EAST PALO ALTO, CA 94303
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608156921
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported

GOODWILL PROPERTY (Continued) **S109285798**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: GOODWILL PROPERTY
Address: 1475 EAST BAYSHORE ROAD
City,State,Zip: EAST PALO ALTO, CA 94303
Site ID: 658134
CERS ID: T0608156921
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

D17 **GOODWILL PROPERTY** **LUST** **S106034992**
WSW **1475 E BAYSHORE RD** **N/A**
< 1/8 **EAST PALO ALTO, CA**
0.047 mi.
247 ft. **Site 2 of 3 in cluster D**

Relative:
Higher

Actual:
23 ft.

SAN MATEO CO. LUST:
Name: GOODWILL PROPERTY
Address: 1475 E BAYSHORE RD
City,State,Zip: EAST PALO ALTO, CA
Region: SAN MATEO
Facility ID: 890023
Facility Status: 9- Case Closed
Global ID: T0608156921
APN Number: 063184010
Case Type: EAST PALO ALTO, CA
EDR Link ID: EAST PALO ALTO, CA

B18
SE
< 1/8
0.048 mi.
252 ft.

CHEVRON 91081
2101 UNIVERSITY AVE
EAST PALO ALTO, CA 94303

Site 4 of 10 in cluster B

RCRA-LQG **1025882661**
CAR000148007

Relative:
Higher

Actual:
23 ft.

RCRA Listings:

Date Form Received by Agency:	20030911
Handler Name:	Chevron 91081
Handler Address:	2101 UNIVERSITY AVE
Handler City,State,Zip:	EAST PALO ALTO, CA 94303
EPA ID:	CAR000148007
Contact Name:	KATHY L NORRIS
Contact Address:	PO BOX 6004
Contact City,State,Zip:	SAN RAMON, CA 94583
Contact Telephone:	925-842-5931
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,State,Zip:	SAN RAMON, CA 94583
Owner Name:	Chevron Products Co
Owner Type:	Private
Operator Name:	Chevron Products Co
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

CHEVRON 91081 (Continued) **1025882661**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20030916
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D018
Waste Description:	Benzene

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHEVRON PRODUCTS CO	
Legal Status:	Private
Date Became Current:	19970203
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: CHEVRON PRODUCTS CO	
Legal Status:	Private
Date Became Current:	19970203
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20030911
Handler Name: CHEVRON 91081	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

CHEVRON 91081 (Continued) **1025882661**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44711
NAICS Description:	GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B19 **CHEVRON SERVICE STATION #1081** **UST** **U004262432**
SE **2101 UNIVERSITY AVE** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.048 mi.
252 ft. **Site 5 of 10 in cluster B**

Relative:
Higher

Actual:
23 ft.

UST:

Name:	CHEVRON SERVICE STATION #1081
Address:	2101 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41-000-018329
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10066609
Latitude:	37.4629630
Longitude:	-122.142189
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Tank owner mailing address:	P.O. BOX 6004, ATTN: PERMIT DESK
Tank owner mailing city:	SAN RAMON
Tank owner mailing zip:	94583
Tank owner mailing state:	CA
Tank operator name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Tank operator mailing address:	P.O. BOX 6004, ATTN: PERMIT DESK
Tank operator mailing city:	SAN RAMON
Tank operator mailing zip:	94583
Tank operator mailing state:	CA
Tankidnumber:	2
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	1/1/1986 12:00:00 AM
Tank num of compartments:	1

CHEVRON SERVICE STATION #1081 (Continued) **U004262432**

Tank contents:	Regular Unleaded
Tank capacity gallons:	10000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	CHEVRON SERVICE STATION #1081
Address:	2101 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41-000-018329
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10066609
Latitude:	37.4629630
Longitude:	-122.142189
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Tank owner mailing address:	P.O. BOX 6004, ATTN: PERMIT DESK
Tank owner mailing city:	SAN RAMON
Tank owner mailing zip:	94583
Tank owner mailing state:	CA
Tank operator name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Tank operator mailing address:	P.O. BOX 6004, ATTN: PERMIT DESK
Tank operator mailing city:	SAN RAMON
Tank operator mailing zip:	94583
Tank operator mailing state:	CA
Tankidnumber:	4
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	1/21/2014 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Diesel
Tank capacity gallons:	10000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No

CHEVRON SERVICE STATION #1081 (Continued) **U004262432**

Tank spill bucket:	Yes
Name:	CHEVRON SERVICE STATION #1081
Address:	2101 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41-000-018329
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10066609
Latitude:	37.4629630
Longitude:	-122.142189
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Tank owner mailing address:	P.O. BOX 6004, ATTN: PERMIT DESK
Tank owner mailing city:	SAN RAMON
Tank owner mailing zip:	94583
Tank owner mailing state:	CA
Tank operator name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Tank operator mailing address:	P.O. BOX 6004, ATTN: PERMIT DESK
Tank operator mailing city:	SAN RAMON
Tank operator mailing zip:	94583
Tank operator mailing state:	CA
Tankidnumber:	3
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	1/1/1986 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Regular Unleaded
Tank capacity gallons:	10000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes
Name:	CHEVRON SERVICE STATION #1081
Address:	2101 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41-000-018329
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10066609
Latitude:	37.4629630
Longitude:	-122.142189
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling

CHEVRON SERVICE STATION #1081 (Continued) **U004262432**

Num of inuse ust:	Not reported
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Tank owner mailing address:	P.O. BOX 6004, ATTN: PERMIT DESK
Tank owner mailing city:	SAN RAMON
Tank owner mailing zip:	94583
Tank owner mailing state:	CA
Tank operator name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Tank operator mailing address:	P.O. BOX 6004, ATTN: PERMIT DESK
Tank operator mailing city:	SAN RAMON
Tank operator mailing zip:	94583
Tank operator mailing state:	CA
Tankidnumber:	1
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	1/1/1986 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Premium Unleaded
Tank capacity gallons:	10000
Tank type:	Double Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

B20 **CHEVRON SERVICE STATION 91081** **LUST** **S103641369**
SE **2101 UNIVERSITY AVE** **SWEEPS UST** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303** **Cortese**
0.048 mi. **HIST CORTESE**
252 ft. **Site 6 of 10 in cluster B** **CERS**

Relative:
Higher

Actual:
23 ft.

SAN MATEO CO. LUST:

Name:	CHEVRON 9-1081
Address:	2101 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA
Region:	SAN MATEO
Facility ID:	890013
Facility Status:	9- Case Closed
Global ID:	T0608100926
APN Number:	063292180
Case Type:	EAST PALO ALTO, CA
EDR Link ID:	EAST PALO ALTO, CA

LUST:

Name:	CHEVRON 9-1081
Address:	2101 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Lead Agency:	SAN MATEO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608100926
Global Id:	T0608100926
Latitude:	37.462912312
Longitude:	-122.14197901
Status:	Completed - Case Closed
Status Date:	07/17/2012
Case Worker:	Not reported
RB Case Number:	41-1012
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	890013
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	03/16/1997
Leak Reported Date:	05/01/1997
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	07/17/2012
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Disadvantaged Community
CA Enviroscreen 3 Score:	81-85%
CA Enviroscreen 4 Score:	75-80%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Extracted from CRA's DECEMBER 19, 2008 DISPENSER ISLAND AND PRODUCT LINE SOIL SAMPLING REPORT, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. The site is an active Chevron service station located on the northwest corner of the intersection of University Avenue and Donahoe Street in East Palo Alto, California in a mixed residential and commercial area. Site structures include a station building, three gasoline underground gasoline storage tanks (USTs), eight dispensers, and associated underground piping. 1997 Dispenser Islands and Product Piping Removal: In February 1997, Touchstone Developments (Touchstone) of Santa Rosa, California oversaw the removal of four dispenser islands and the associated piping, and collected soil samples beneath the former dispenser islands and product lines at approximately 3 fbg. No groundwater was encountered in the pits. Eight of the eleven samples contained total petroleum hydrocarbons as gasoline (TPHg) at concentrations ranging from 0.084 milligrams per kilogram (mg/kg) to 260 mg/kg. Lead was detected in seven soil samples with concentrations ranging between 10 mg/kg and 24 mg/kg (consistent with naturally occurring lead concentrations). Approximately 120 cubic yards (yd3) of soil were excavated from the

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

product line trenches; 100 yd3 were removed from the site and 20 yd3 of were reused as backfill. 1997 Monitoring Well Installation: In September 1997, G-R of Dublin, California installed groundwater monitoring wells MW-1 through MW-3. Soil samples collected within the capillary fringe from well borings MW-1 and MW-2 contained up to 18 mg/kg TPHg, 0.3 mg/kg benzene, and 1.5 mg/kg methyl tertiary-butyl ether (MTBE). No TPHg, benzene, or MTBE were detected in soil from the capillary fringe from MW-3. 1998 Monitoring Well Installation: In June 1998, G-R installed groundwater monitoring wells MW-4 through MW-6. A soil sample collected from MW-4 at 10.5 fbg contained 970 mg/kg TPHg and 2.2 mg/kg benzene. No TPHg or benzene was detected in soil samples collected from offsite wells MW-5 and MW-6. MTBE was detected in the initial groundwater sample from MW-5 and MW-6 at 200 micrograms per liter (g/L) and 360 g/L, respectively. 2004 Well Receptor Survey Report: Cambria Environmental Technology Inc. (Cambria) conducted a well receptor survey of all properties within 300 feet upgradient and crossgradient, and 1,000 feet downgradient of the site. Of the 75 questionnaires mailed, 21 questionnaires were returned and identified one active and one inactive well within the survey area. An active domestic irrigation well is located at 2126 University Avenue approximately 350 feet north-northeast (downgradient) of the site, and the inactive well is located at 2137 Cooley Avenue, approximately 860 feet northeast (downgradient) of the site. The active irrigation well has a shallow completion depth (18 feet) and small casing diameter (4-inches). Groundwater extraction rates from this well are expected to be very low and are not likely to significantly affect local groundwater flow or induce petroleum hydrocarbon migration from the site. No sumps were identified in the returned questionnaires. Cambria also contacted the SMCHD and American Water Services (AWS V the local water purveyor) to identify other potential water supply wells within a 2,000-foot radius of the site. SMCHD s records identified eight irrigation wells, eleven monitoring wells, six properly destroyed wells, and one improperly destroyed well within a 2,000-foot radius of the site. No municipal drinking-water wells were identified by the SMCHD or AWS within 1,500 feet downgradient of the site. No drinking-water wells were identified within 800 feet upgradient or crossgradient from the site. AWS stated that they do not have any water supply wells within 2,000 feet of the site and that they currently receive their water from the HetchHetchy reservoir. 2004 Monitoring Wells Installation: In August 2004, Cambria installed groundwater monitoring wells MW-7 and MW-8. No TPHg or BTEX were detected in any soil samples collected from the well borings. The initial groundwater samples collected from MW-7 and MW-8 contained MTBE concentrations of 1,000 g/L and 2,900 g/L, respectively. 2005 OffSite Subsurface Investigation: In August 2005, Cambria advanced direct push borings B-1 through B-6. The results of the investigation indicated that dissolved MTBE in groundwater had migrated northeast (downgradient) of the site. 2006 OffSite Monitoring Well Installation: In March 2006, Cambria installed monitoring wells MW-9, MW-10 and MW-11 to further define the lateral and vertical extent of the dissolved MTBE plume. No TPHg or BTEX were detected in any groundwater samples collected from wells MW-9, MW-10 and MW-11. MTBE was only detected in the groundwater sample from well MW-11, at 11 g/L. 2007 Well Destruction: In August and September 2007, CRA destroyed offsite wells MW-7, MW-8, and MW-9, located on the properties at 2100-2118 University Avenue, at the request of the property owner. Wells MW-5, MW-6, MW-10, and MW-11, located in high

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

traffic areas of University and Capitol Avenues, were also destroyed due to the health and safety risks associated with the monitoring and maintenance of these wells. Well MW-7 was destroyed by drilling out the sand pack and casing. The rest of the wells were destroyed by pressure grouting. On November 10, 2008, CRA collected nine compliance soil samples beneath the dispensers and in the product piping trench between the southern dispenser islands.

LUST:

Global Id:	T0608100926
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608100926
Contact Type:	Regional Board Caseworker
Contact Name:	UUU
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0608100926
Action Type:	RESPONSE
Date:	05/02/2005
Action:	Other Report / Document

Global Id:	T0608100926
Action Type:	ENFORCEMENT
Date:	04/20/2010
Action:	Staff Letter - #20100420

Global Id:	T0608100926
Action Type:	ENFORCEMENT
Date:	07/17/2012
Action:	Closure/No Further Action Letter - #20120717

Global Id:	T0608100926
Action Type:	RESPONSE
Date:	05/15/2011
Action:	Monitoring Report - Semi-Annually

Global Id:	T0608100926
Action Type:	RESPONSE
Date:	11/15/2010
Action:	Monitoring Report - Semi-Annually

Global Id:	T0608100926
Action Type:	RESPONSE
Date:	12/03/2010
Action:	Soil and Water Investigation Report

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 05/09/1997
Action: Notice of Responsibility - #1

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 07/28/2004
Action: Staff Letter - #20040728

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 03/21/2006
Action: Staff Letter - #20060321

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 06/30/2004
Action: Staff Letter - #20040630

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 10/26/2005
Action: * Historical Enforcement - #20051026

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 04/27/2000
Action: Staff Letter - #20000427

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 07/30/2007
Action: * Historical Enforcement - #20070730

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 03/09/2005
Action: * Verbal Communication - #20050309

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 08/02/2006
Action: Staff Letter - #20060802

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 12/05/2006
Action: Technical Correspondence / Assistance / Other - #20061205

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 03/15/2006
Action: * Historical Enforcement - #20060315

Global Id: T0608100926
Action Type: ENFORCEMENT

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Date: 12/04/2002
Action: Staff Letter - #20021204

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 06/06/2005
Action: Staff Letter - #20050606

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 01/11/2006
Action: Staff Letter - #20060111

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2006
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2005
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2007
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2006
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2003
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2000
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2004
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2001
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2002
Action: Monitoring Report - Semi-Annually

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Global Id: T0608100926
Action Type: RESPONSE
Date: 12/04/2003
Action: Soil and Water Investigation Report

Global Id: T0608100926
Action Type: RESPONSE
Date: 07/19/2004
Action: Other Report / Document

Global Id: T0608100926
Action Type: RESPONSE
Date: 07/20/2004
Action: Unknown

Global Id: T0608100926
Action Type: RESPONSE
Date: 09/30/2004
Action: Unknown

Global Id: T0608100926
Action Type: RESPONSE
Date: 10/03/2005
Action: Other Report / Document

Global Id: T0608100926
Action Type: RESPONSE
Date: 06/08/2006
Action: Soil and Water Investigation Report

Global Id: T0608100926
Action Type: RESPONSE
Date: 08/02/2007
Action: Other Report / Document

Global Id: T0608100926
Action Type: RESPONSE
Date: 03/30/2007
Action: Other Report / Document

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/30/2005
Action: Other Workplan

Global Id: T0608100926
Action Type: RESPONSE
Date: 03/22/2006
Action: Soil and Water Investigation Workplan

Global Id: T0608100926
Action Type: RESPONSE
Date: 10/30/2007
Action: Unknown

Global Id: T0608100926
Action Type: RESPONSE

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Date: 05/15/2008
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2007
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2002
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2001
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2004
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2003
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2005
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 12/04/2003
Action: Sensitive Receptor Survey Report

Global Id: T0608100926
Action Type: RESPONSE
Date: 02/14/2006
Action: Soil and Water Investigation Workplan

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 07/22/2009
Action: Staff Letter - #20090722

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 02/18/2011
Action: Staff Letter - #20110218

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 12/14/2010
Action: Staff Letter - #20101214

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 10/18/2011
Action: Staff Letter - #20111018

Global Id: T0608100926
Action Type: Other
Date: 05/01/1997
Action: Leak Reported

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 11/15/2008
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 07/20/2010
Action: Soil and Water Investigation Workplan

Global Id: T0608100926
Action Type: RESPONSE
Date: 05/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608100926
Action Type: RESPONSE
Date: 10/18/2012
Action: Well Destruction Report

Global Id: T0608100926
Action Type: RESPONSE
Date: 02/14/2011
Action: Other Report / Document - Regulator Responded

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 08/04/2010
Action: Staff Letter - #20100804

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 07/31/2007
Action: Email Correspondence

Global Id: T0608100926
Action Type: ENFORCEMENT

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Date: 12/05/2006
Action: Staff Letter

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 05/08/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 05/01/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 05/01/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 11/20/2007
Action: Staff Letter

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 12/09/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 12/14/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 07/30/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100926
Action Type: ENFORCEMENT
Date: 08/01/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100926
Action Type: Other
Date: 04/08/1997
Action: Leak Discovery

LUST:
Global Id: T0608100926
Status: Open - Case Begin Date
Status Date: 03/16/1997

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Global Id: T0608100926
Status: Open - Site Assessment
Status Date: 03/16/1997

Global Id: T0608100926
Status: Open - Site Assessment
Status Date: 12/04/2002

Global Id: T0608100926
Status: Open - Verification Monitoring
Status Date: 03/01/2006

Global Id: T0608100926
Status: Completed - Case Closed
Status Date: 07/17/2012

SWEEPS UST:
Name: CHEVRON SERVICE STATION 91081
Address: 2101 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890013
Number: 2
Board Of Equalization: Not reported
Referral Date: 03-30-94
Action Date: 03-30-94
Created Date: 10-13-88
Owner Tank Id: 1
SWRCB Tank Id: 41-000-890013-000001
Tank Status: A
Capacity: 10000
Active Date: 03-30-94
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: CHEVRON SERVICE STATION 91081
Address: 2101 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890013
Number: 2
Board Of Equalization: Not reported
Referral Date: 03-30-94
Action Date: 03-30-94
Created Date: 10-13-88
Owner Tank Id: 2
SWRCB Tank Id: 41-000-890013-000002
Tank Status: A
Capacity: 10000
Active Date: 03-30-94
Tank Use: M.V. FUEL
STG: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

Name:	CHEVRON SERVICE STATION 91081
Address:	2101 UNIVERSITY AVE
City:	EAST PALO ALTO
Status:	Active
Comp Number:	890013
Number:	2
Board Of Equalization:	Not reported
Referral Date:	03-30-94
Action Date:	03-30-94
Created Date:	10-13-88
Owner Tank Id:	3
SWRCB Tank Id:	41-000-890013-000003
Tank Status:	A
Capacity:	10000
Active Date:	03-30-94
Tank Use:	M.V. FUEL
STG:	P
Content:	PLUS UNLEADED
Number Of Tanks:	Not reported

CORTESE:

Name:	CHEVRON 9-1081
Address:	2101 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608100926
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	CHEVRON
edr_fadd1:	2101 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Facility County Code:	41
Reg By:	LTNKA
Reg Id:	41-1012

CHEVRON SERVICE STATION 91081 (Continued) **S103641369**

CERS:
- Name: CHEVRON 9-1081
- Address: 2101 UNIVERSITY
- City,State,Zip: EAST PALO ALTO, CA 94303
- Site ID: 644534
- CERS ID: T0608100926
- CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
- Entity Title: Not reported
- Affiliation Address: 1515 CLAY ST SUITE 1400
- Affiliation City: OAKLAND
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
- Entity Title: Not reported
- Affiliation Address: 1515 CLAY ST SUITE 1400
- Affiliation City: OAKLAND
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

B21 **CHEVRON 9-1081** **LUST** **S105030392**
SE **2101 UNIVERSITY** **San Mateo Co. BI** **N/A**
< 1/8 **E PALO ALTO, CA 94303**
0.048 mi.
252 ft. **Site 7 of 10 in cluster B**

Relative: Higher

Actual: 23 ft.

LUST REG 2:
- Region: 2
- Facility Id: Not reported
- Facility Status: Pollution Characterization
- Case Number: 890013
- How Discovered: OM
- Leak Cause: Unknown
- Leak Source: Unknown
- Date Leak Confirmed: Not reported
- Oversight Program: LUST
- Prelim. Site Assesment Wokplan Submitted: Not reported
- Preliminary Site Assesment Began: Not reported
- Pollution Characterization Began: 1/1/1965
- Pollution Remediation Plan Submitted: Not reported
- Date Remediation Action Underway: Not reported
- Date Post Remedial Action Monitoring Began: Not reported

San Mateo Co. BI:
- Name: CHEVRON SERVICE STATION #1081
- Address: 2101 UNIVERSITY
- City,State,Zip: EAST PALO ALTO, CA 94303

CHEVRON 9-1081 (Continued) **S105030392**

Region: SAN MATEO
Facility ID: FA0018329
Prog Element Code: STORES MV FUELS OR WASTE ONLY
Record Id: PR0025552
Description: STORES MV FUELS OR WASTE ONLY
Facility Status: Active, billable
Program Category: BUSINESS PLAN PROGRAM

Name: CHEVRON SERVICE STATION #1081
Address: 2101 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0018329
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0040386
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

Name: CHEVRON SERVICE STATION #1081
Address: 2101 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0018329
Prog Element Code: UNDERGROUND TANK - GENERAL
Record Id: PR0022981
Description: UNDERGROUND TANK - GENERAL
Facility Status: Active, billable
Program Category: UNDERGROUND TANK PROGRAM

Name: CHEVRON SERVICE STATION #1081
Address: 2101 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0018329
Prog Element Code: GENERATES <27 GAL/YEAR
Record Id: PR0038463
Description: GENERATES <27 GAL/YEAR
Facility Status: Active, billable
Program Category: HAZARDOUS WASTE PROGRAM

B22 **ELBERT KIMBROUGH CHEVRON STN** **EDR Hist Auto** **1020913667**
SE **2101 UNIVERSITY AVE** **N/A**
< 1/8 **PALO ALTO, CA 94303**
0.048 mi.
252 ft. **Site 8 of 10 in cluster B**

Relative: EDR Hist Auto
Higher

Actual: **23 ft.**

Year:	Name:	Type:
1979	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1980	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1982	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1983	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1985	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1986	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1987	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1988	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations

ELBERT KIMBROUGH CHEVRON STN (Continued) **1020913667**

1989	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1990	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1991	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1992	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1993	ELBERT KIMBROUGH CHEVRON STN	Gasoline Service Stations
1996	UNIVERSITY CHEVRON	Gasoline Service Stations
1997	UNIVERSITY CHEVRON	Gasoline Service Stations
1998	UNIVERSITY CHEVRON	Gasoline Service Stations
2008	UNIVERSITY CHEVRON	Gasoline Service Stations
2009	UNIVERSITY CHEVRON	Gasoline Service Stations
2010	UNIVERSITY CHEVRON	Gasoline Service Stations, NEC
2011	UNIVERSITY CHEVRON	Gasoline Service Stations, NEC
2012	UNIVERSITY CHEVRON	Gasoline Service Stations, NEC
2013	UNIVERSITY CHEVRON	Gasoline Service Stations, NEC
2014	UNIVERSITY CHEVRON	Gasoline Service Stations, NEC

B23 **CHEVRON SERVICE STATION #1081** **CERS HAZ WASTE** **S121737760**
SE **2101 UNIVERSITY AVE** **CERS TANKS** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303** **CERS**
0.048 mi.
252 ft. **Site 9 of 10 in cluster B**

Relative: Higher
Actual: 23 ft.

CERS HAZ WASTE:

Name:	CHEVRON SERVICE STATION #1081
Address:	2101 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	104877
CERS ID:	10066609
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	CHEVRON SERVICE STATION #1081
Address:	2101 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	104877
CERS ID:	10066609
CERS Description:	Underground Storage Tank

CERS:

Name:	CHEVRON SERVICE STATION #1081
Address:	2101 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	104877
CERS ID:	10066609
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	104877
Site Name:	CHEVRON SERVICE STATION #1081
Violation Date:	12-06-2018
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 01/10/2019. Sensor S-1 (Diesel piping and UDCs 1-4) failed to trigger alarm. Please repair/replace sensor and test with inspector present within 30 days.

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	104877
Site Name:	CHEVRON SERVICE STATION #1081
Violation Date:	12-15-2020
Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 12/15/2020. Annular sensor for tank 87-2 failed due to broken wire. Replaced, retested, passed during inspection. Consider reconfiguring the condensation pump-out tube to avoid potentially damaging the sensor.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	104877
Site Name:	CHEVRON SERVICE STATION #1081
Violation Date:	12-21-2015
Citation:	HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)
Violation Description:	Failure to maintain the interstitial space under constant vacuum, pressure, or hydrostatic such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment. (Product Tight)
Violation Notes:	Returned to compliance on 12/21/2015. Tank 4, Diesel only VPH, 2014 install VPH for Tank 4 only: S2 vac float failed initially. New float installed, tested and passed while onsite
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	104877
Site Name:	CHEVRON SERVICE STATION #1081
Violation Date:	12-07-2022
Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 12/30/2022. OBSERVED: Tank 87-2 (regular unleaded slave tank) has a plastic tube in the annular space. The plastic tube couldn't be removed and the annular sensor could not be removed to verify it operates in a liquid. The sensor could be moved far enough to go into alarm, but could not be physically removed and is possibly obstructed by the plastic tube that was observed. REQUIRED ACTION: Remove the plastic tube or justify why it belongs in the interstitial space/riser. Reschedule an inspection to verify that the annular sensor can be removed and tested in liquid.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	104877

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Site Name: CHEVRON SERVICE STATION #1081
Violation Date: 12-15-2020
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 05/12/2021. Non-direct bury spill buckets hold under 5 gallons. Please submit application to replace buckets and any associated equipment (drop tubes) within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-13-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-15-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: rvw sb989 results
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-04-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review UST forms in CERs
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-18-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-18-2015
Violations Found: No

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval Type: Other, not routine, done by local agency
Eval Notes: includes HMBP review
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-30-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-17-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: present for OF re-inspection - waited 45 min - did some other stuff, and left
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PERMITDESK@CHEVRON.COM Regular Unleaded Gasoline (87 Octane) - Petroleum Hydrocarbons, 20000 Gallons Supreme Unleaded Gasoline (91 Octane) - Petroleum Hydrocarbons, 10000 Gallons Diesel Fuel - Middle Distillates, 10000 Gallons Propane, 105 Gallons Spill Bucket/Sump Water - Waste Gasoline/Water, 30 Gallons Absorbent Spill Pads - Waste Polypropylene Absorbent Spill Pads, 300 Pounds Used Filters, Hoses and Nozzles - Waste Metal Solids, 300 Pounds Carbon Dioxide (CO2), 48 Gallons HMBP submitted to CERS on 4/22/21 and received 8/16/21
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PERMITDESK@CHEVRON.COM Waste flammable liquids (gasoline and diesel) Solids containing flammable liquids (dispenser fuel filters and hoses) Hazardous waste (benzene)
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-16-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: VPH plan check system for new Diesel tanks.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-04-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST forms in CERS
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval General Type: Other/Unknown
Eval Date: 05-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ELD TEST RESULTS efiled
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-12-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: AMC scanning and contacting chevron reps
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-02-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB989 review and efiled
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-15-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB989 report
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Documentation follow up
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-21-2021
Violations Found: No

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-27-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-06-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection conducted during Covid-19 pandemic. No Chevron attendant available when I arrived; the custodian said regular attendant would return in 30 minutes. Tanknology technicians had a key and were able to access the VR panel. Attendant returned but did not do authorizations required to test shut down; Tanknology technicians did authorizations. Paperwork not reviewed during inspection.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval Date: 12-19-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-20-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Diesel STP not re-setting after 208 alarm triggered. Replaced 208 in diesel, retested, passed. Diesel piping, UDCs, and vent sump under vacuum. Each tested for communication and alarm. To facilitate testing and reduce the time required for the certification and inspection your technician recommends placing gauge or ball valve on end of test line. Problems testing the PLLD for diesel were resolved after the diesel turbine re-established vacuum.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-20-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-09-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-20-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-26-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-27-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval Date: 12-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: PERMITDESK@CHEVRON.COM UST ANNUAL MONITORING CERTIFICATION ANNIVERSARY MONTH IS DECEMBER SB 989 TESTING ANNIVERSARY MONTH IS APRIL (2023) (for Tanks 1-3) OVERFILL TESTING ANNIVERSARY MONTH IS MAY (2024) TWO UST SYSTEMS ON- SITE 1986 INSTALLATION 3 X 10,000- GALLON DOUBLE- WALL FIBERGLASS XERXES TANKS - Tank 1 is supreme unleaded, Tank 2 is regular unleaded (slave), Tank 3 is regular unleaded (master) Double- wall fiberglass piping Single- wall fiberglass sumps and UDCs Brine Annular space ELLD and mechanical flapper valves Fail safe / positive shutdown 2014 INSTALLATION (VPH) 1 X 10,000- GALLON DOUBLE- WALL FIBERGLASS XERXES TANK (DIESEL) - Tank 4 Double- wall fiberglass piping Double- wall fiberglass sumps - UDCs 1/2 and 3/4 are double- walled and are associated with the VPH diesel USTs. Dry annular space ELLD and mechanical flapper valves Fail safe / positive shutdown L1 91 STP L2 87-2 STP L3 87-1 STP L4 91 Fill L5 97-2 Fill L6 87-1 [Truncated]
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PERMITDESK@CHEVRON.COM UST ANNUAL MONITORING CERTIFICATION ANNIVERSARY MONTH IS DECEMBER SB 989 TESTING ANNIVERSARY MONTH IS APRIL (2023) (for Tanks 1-3) OVERFILL TESTING ANNIVERSARY MONTH IS MAY (2024) TWO UST SYSTEMS ON- SITE 1986 INSTALLATION 3 X 10,000- GALLON DOUBLE- WALL FIBERGLASS XERXES TANKS - Tank 1 is supreme unleaded, Tank 2 is regular unleaded (slave), Tank 3 is regular unleaded (master) Double- wall fiberglass piping Single- wall fiberglass sumps and UDCs ELLD and mechanical flapper valves Fail safe / positive shutdown 2014 INSTALLATION (VPH) 1 X 10,000- GALLON DOUBLE- WALL FIBERGLASS XERXES TANK (DIESEL) - Tank 4 Double- wall fiberglass piping Double- wall fiberglass sumps - UDCs 5/6 and 7/8 are double- walled, but monitored as single- wall. ELLD and mechanical flapper valves Fail safe / positive shutdown
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-17-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-08-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: rqst e copy of permit
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-11-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: rvw permit app and rqst wayne perry ins update
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-20-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: secondary containment test results efiled.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-20-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval General Type: Other/Unknown
Eval Date: 03-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-27-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: hMBP AND UST TANK FORMS REVIEWED
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-07-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-16-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-05-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review and approvals
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-30-2017
Violations Found: No

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-21-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 104877
Facility Name: CHEVRON SERVICE STATION #1081
Env Int Type Code: HWG
Program ID: 10066609
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 37.462952
Longitude: -122.142174

Affiliation:
Affiliation Type Desc: Operator
Entity Name: CHEVRON PRODUCTS COMPANY(A DIVISION OF CHEVRON U.S.A.)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (650) 326-3194,

Affiliation Type Desc: Parent Corporation
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: CHEVRON PRODUCTS COMPANY(A DIVISION OF CHEVRON U.S.A.)
Entity Title: Not reported
Affiliation Address: PO BOX 6004, ATTN: PERMIT DESK
Affiliation City: SAN RAMON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (925) 842-9002,

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002,

Affiliation Type Desc:	Document Preparer
Entity Name:	CHARLES BITTLE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	CHEVRON PRODUCTS COMPANY(A DIVISION OF CHEVRON U.S.A.)
Entity Title:	Not reported
Affiliation Address:	PO BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	CHEVRON PRODUCTS COMPANY(A DIVISION OF CHEVRON U.S.A.)
Entity Title:	Not reported
Affiliation Address:	PO BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002,

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CHARLES BITTLE
Entity Title:	RETAIL HES
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CHEVRON SERVICE STATION #1081 (Continued) **S121737760**

Affiliation Zip:	Not reported
Affiliation Phone:	(925) 842-9002,
Affiliation Type Desc:	Identification Signer
Entity Name:	Charles Bittle
Entity Title:	Retail HSE Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002,
Affiliation Type Desc:	CUPA District
Entity Name:	San Mateo County Environmental Health
Entity Title:	Not reported
Affiliation Address:	2000 Alameda de las Pulgas, Suite 100
Affiliation City:	San Mateo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94403
Affiliation Phone:	(650) 372-6200,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002,

B24 **91061** **HIST UST** **U001595857**
SE **2101 UNIVERSITY AV** **N/A**
< 1/8 **PALO ALTO, CA 94303**
0.048 mi.
252 ft. **Site 10 of 10 in cluster B**

Relative: **Higher**
Actual: **23 ft.**

HIST UST:

Name:	91061
Address:	2101 UNIVERSITY AV
City,State,Zip:	PALO ALTO, CA 94303
File Number:	0002cfed
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002cfed.pdf
Region:	STATE
Facility ID:	00000061983

91061 (Continued) **U001595857**

Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	STORUM, WILLIAM A.
Telephone:	4153263194
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1970
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	001
Container Num:	1
Year Installed:	1970
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1970
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1970
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1970
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1970

91061 (Continued) **U001595857**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1970
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000100
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1970
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000100
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

C25 **RANCHO GRANDE SUPERMARKET** **San Mateo Co. BI** **S123180578**
ENE **2148 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.061 mi.
322 ft. **Site 4 of 7 in cluster C**

Relative: **Lower**
Actual: **19 ft.**

San Mateo Co. BI:

Name:	RANCHO GRANDE SUPERMARKET
Address:	2148 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0022335
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0041657
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

C26 **AUTOZONE #3302** **CERS HAZ WASTE** **S121771293**
ENE **2160 UNIVERSITY AVE** **CERS** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.061 mi.
324 ft. **Site 5 of 7 in cluster C**

Relative: **Lower**
Actual: **19 ft.**

CERS HAZ WASTE:

Name:	AUTOZONE #3302
Address:	2160 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	386885
CERS ID:	10070122

AUTOZONE #3302 (Continued) **S121771293**

CERS Description: Hazardous Waste Generator

CERS:
Name: AUTOZONE #3302
Address: 2160 UNIVERSITY AVE
City,State,Zip: EAST PALO ALTO, CA 94303
Site ID: 386885
CERS ID: 10070122
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-26-2018
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 03/26/2018. Oil observed in the bottom of the metal used oil filter drum. Ensure oil filters are complete drained before placing in the drum. Develop a procedure for draining them and provide a copy to the inspector within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-08-2019
Citation: 22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description: Failure to prepare a Uniform Hazardous Waste Manifest and, if necessary, a Continuation Sheet, before the transport of a hazardous waste off-site for transfer, treatment, storage, or disposal.
Violation Notes: Returned to compliance on 03/19/2019. Not all hazardous waste manifests available at time of inspection. Please provide copies of all final hazardous waste manifests signed by the designated facility within 30 days. All consolidated waste manifests and battery receipts in good order.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 07-22-2022
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 08/05/2022. Training records last updated in 2020. Please send current training records from 2021-22.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

AUTOZONE #3302 (Continued) **S121771293**

Site ID:	386885
Site Name:	AUTOZONE #3302
Violation Date:	01-14-2014
Citation:	40 CFR 1 265.177 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.177
Violation Description:	Failure to ensure incompatible waste and/or materials are not placed or stored in the same container or nearby or into an unwashed container, which previously contained incompatible waste and/or materials, so that it does not potentially result in the following: 1) Generate extreme heat or pressure, fire or explosion, or violent reaction; 2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; 3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; 4) Damage the structural integrity of the device or facility containing the waste; or 5) Through other like means threaten human health or the environment.
Violation Notes:	Returned to compliance on 03/11/2014. Facility observed to be storing acids and bases together in hazardous waste storage area. They were asked to segregate these storage areas to prevent spills, release, reactions.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	386885
Site Name:	AUTOZONE #3302
Violation Date:	01-08-2019
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes:	Returned to compliance on 01/08/2019. Current HMBP not available in store during inspection. Printed during inspection and placed in appropriate binder.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	386885
Site Name:	AUTOZONE #3302
Violation Date:	01-26-2018
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 02/25/2018. PE-certified tank assessments for 2 waste oil tanks were not available at the time of the inspection. Please provide the assessments within 30 days if the tanks have been assessed. If they have not, within 30 days have the tanks

AUTOZONE #3302 (Continued) **S121771293**

certified or complete the exemption forms, have forms signed by the CUPA and by the local fire department, and keep copies on site. Provide either the exemption forms or the tank assessments to the inspector within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-08-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 05/07/2019. Observed containers of oil in dumpster not empty of oil. Disposal of these containers in the regular waste could be considered illegal disposal of a hazardous waste. Immediately cease disposal of any containers that still have oil or other hazardous materials inside. A container is empty when nothing but a drip comes out when turned in any direction. Retrain all employees on this practice and provide verification within 30 days. Remove non-empty containers from dumpster immediately. Observed during inspection. Please empty thoroughly before disposal and send photo-verification.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-26-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 03/26/2018. Provide records for training all current staff in emergency response and spill cleanup (initial and refresher) within 30 days
Violation Division: San Mateo County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-08-2019
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 03/22/2019. Observed containers of oil in dumpster not empty of oil. Disposal of these containers in the regular waste could be considered illegal disposal of a hazardous waste. Immediately cease disposal of any containers that still have oil or other hazardous materials inside. A container is empty when nothing

AUTOZONE #3302 (Continued) **S121771293**

but a drip comes out when turned in any direction. Retrain all employees on this practice and provide verification within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-26-2018
Citation: 22 CCR 15 66265.35 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.35
Violation Description: Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Department that aisle space is not needed for any of these purposes.
Violation Notes: Returned to compliance on 03/20/2018. Area in front of hazardous waste drums occupied by large pallets of stock. Unable to access drums. Clear this area and maintain unblocked by stock or waste. Send photo verification to inspector within 15 days.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-08-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/08/2019. Drums of solid waste and filters incompletely labeled. Accumulation start date added during inspection. Orphan containers of contaminated used oil in parking lot near dumpsters and next to used oil tanks. These containers should be labeled or placed in larger container that is labeled appropriately. Corrected during inspection.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-08-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/09/2019. Training records unavailable at time of inspection. Please provide records for training all current employees in emergency response and spill cleanup within 30 days.
Violation Division: San Mateo County Environmental Health

AUTOZONE #3302 (Continued) **S121771293**

Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	386885
Site Name:	AUTOZONE #3302
Violation Date:	01-26-2018
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 03/26/2018. Facility is victim of regular overnight drop-offs of multi-gallon containers of used oil. They were observed near the tanks and in other areas of the store. Designate an area for storage of these containers so they are not missed at the end of the day when you will be emptying them into the tanks. Provide photo verification of the use of a designated public used oil storage area within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	386885
Site Name:	AUTOZONE #3302
Violation Date:	07-22-2022
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Release/Leaks/Spills - General
Violation Notes:	Returned to compliance on 08/05/2022. It was noted there are some spills around the trash dumpster area from illegal disposal. Please use some absorbent material to clean this up.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	386885
Site Name:	AUTOZONE #3302
Violation Date:	01-08-2019
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 05/07/2019. Orphan containers of contaminated waste oil observed at 8am near dumpsters at beginning of inspection. Before closure, the parking lot must be checked for these orphan containers and they must be brought in and appropriately stored and labeled. Provide photo verification within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	386885
Site Name:	AUTOZONE #3302
Violation Date:	07-22-2022
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

AUTOZONE #3302 (Continued) **S121771293**

Violation Notes: Returned to compliance on 08/05/2022. Please complete emergency response training with all employees within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Violation Date: 01-14-2014
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 03/11/2014.
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility disposes of some damaged retail products including an occasional quart of oil. The VAST majority of used oil here comes from the public. The facility has already disposed of 440 gallons of used oil this month.
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-07-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reinspect for abandoned HW in parking lot, non-MT containers in dumpster and in facility trash ready to go to dumpster
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP

AUTOZONE #3302 (Continued) **S121771293**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection conducted during Covid-19 pandemic.
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection conducted during Covid-19 pandemic. Facility is a LQG DIY oil changer and an SQG retail shop.
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-04-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

AUTOZONE #3302 (Continued) **S121771293**

Eval General Type: Other/Unknown
Eval Date: 09-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-04-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-15-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: photos sent to corporate
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-19-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-20-2022
Violations Found: No

AUTOZONE #3302 (Continued) **S121771293**

Eval Type: Other, not routine, done by local agency
Eval Notes: approved via cers
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site for hazardous waste routine inspection. It was observed there are significant illegal dumping issues at the site. Customers and members of the public are dumping hazardous waste including used oil, filters, and other automotive related products on the site. Some happen after hours and some during business hours. It would be practical to invest in video surveillance at the back of the store, to catch illegal dumping suspects and refer them to SMCEH or the DA office for prosecution. ALso, more signage regaridng legal disposal options is recommended. It would also help to have a fence that could be closed during off-business hours to keep people from working on cars back there in the lot.
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-21-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-17-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed. Observed significant improvement. Facility is a LQG do-it-yourself for the public, generating from 750 gallons (Nov 2019) to 300 gallons (July 2019) per month of waste oil and less than a drum of oily solids per month. Very few metal filters are generated. Misc auto chemicals in very small quantities. HW generated by the facility is less than 27 gallons per month.
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

AUTOZONE #3302 (Continued) **S121771293**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-20-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-25-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-21-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 386885
Site Name: AUTOZONE #3302
Site Address: 2160 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 01-14-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 386885
Site Name: AUTOZONE #3302
Site Address: 2160 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 03-18-2019
Enf Action Type: Notice of Violation (Unified Program)

AUTOZONE #3302 (Continued) **S121771293**

Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	NOV certified letter received by Facility on 3/22/2019. 4/22/19: 2 violations open.
Enf Action Division:	San Mateo County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS,

Coordinates:

Site ID:	386885
Facility Name:	AUTOZONE #3302
Env Int Type Code:	HMBP
Program ID:	10070122
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	37.464382
Longitude:	-122.141235

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Mateo County Environmental Health
Entity Title:	Not reported
Affiliation Address:	2000 Alameda de las Pulgas, Suite 100
Affiliation City:	San Mateo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94403
Affiliation Phone:	(650) 372-6200,

Affiliation Type Desc:	Document Preparer
Entity Name:	Deborah Williams
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Autozone
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(916) 631-0383,

Affiliation Type Desc:	Property Owner
Entity Name:	GDB, LLC Attn: David Tadlock
Entity Title:	Not reported
Affiliation Address:	35550 Palomares Road
Affiliation City:	Castro Valley
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94552

AUTOZONE #3302 (Continued) **S121771293**

Affiliation Phone:	(510) 886-2143,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	123 S FRONT ST - DEPT 8190
Affiliation City:	MEMPHIS
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	38103
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Deborah Williams
Entity Title:	Environmental Coordinator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Andrew Beaven
Entity Title:	Not reported
Affiliation Address:	Dept 8190, 123 South Front Street
Affiliation City:	Memphis
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	38103
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	AutoZone Inc
Entity Title:	Not reported
Affiliation Address:	123 South Front Street
Affiliation City:	MEMPHIS
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	38103
Affiliation Phone:	(901) 495-6500,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Auto Zone
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

C27 **AUTOZONE #3302** **RCRA NonGen / NLR** **1024810742**
ENE **2160 UNIVERSITY AVE** **CAL000291406**
< 1/8 **PALO ALTO, CA 94303**
0.061 mi.
324 ft. **Site 6 of 7 in cluster C**

Relative: **Lower**

Actual: **19 ft.**

RCRA Listings:

Date Form Received by Agency:	20050222
Handler Name:	Autozone #3302
Handler Address:	2160 UNIVERSITY AVE
Handler City,State,Zip:	PALO ALTO, CA 94303-1714
EPA ID:	CAL000291406
Contact Name:	BRYAN BLAIR
Contact Address:	DEPT 8190, 123 SOUTH FRONT STREET
Contact City,State,Zip:	MEMPHIS, TN 38103
Contact Telephone:	901-495-7217
Contact Fax:	901-495-8399
Contact Email:	BRYAN.BLAIR@AUTOZONE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	DEPT 8190, 123 S FRONT ST
Mailing City,State,Zip:	MEMPHIS, TN 38103-3607
Owner Name:	Auto Zone Corportation
Owner Type:	Other
Operator Name:	Bryan Blair
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

AUTOZONE #3302 (Continued) **1024810742**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: BRYAN BLAIR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	DEPT 8190, 123 SOUTH FRONT STREET
Owner/Operator City,State,Zip:	MEMPHIS, TN 38103
Owner/Operator Telephone:	901-495-7217
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: AUTO ZONE CORPORTATION	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	123 S FRONT ST
Owner/Operator City,State,Zip:	MEMPHIS, TN 38103-3607
Owner/Operator Telephone:	901-495-6500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20050222
Handler Name: AUTOZONE #3302	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

AUTOZONE #3302 (Continued) **1024810742**

List of NAICS Codes and Descriptions:
NAICS Code: 45299
NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C28 **TADLOCKS AUTO SUPPLY INC** **San Mateo Co. BI** **S113755254**
ENE **2160 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.061 mi.
324 ft. **Site 7 of 7 in cluster C**

Relative: **Lower**
Actual: **19 ft.**

San Mateo Co. BI:
Name: KELLYS AUTOMOTIVE REPAIR
Address: 2160 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0022459
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT
Record Id: PR0024542
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT
Facility Status: Inactive, non-billable
Program Category: HAZARDOUS WASTE PROGRAM

Name: TADLOCKS AUTO SUPPLY INC
Address: 2160 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0003207
Prog Element Code: GENERATES and RECYCLES WASTE OIL/SOLVENT
Record Id: PR0024510
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT
Facility Status: Inactive, non-billable
Program Category: HAZARDOUS WASTE PROGRAM

Name: TADLOCKS AUTO SUPPLY INC
Address: 2160 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0003207
Prog Element Code: STORES MV FUELS OR WASTE ONLY
Record Id: PR0028762
Description: STORES MV FUELS OR WASTE ONLY
Facility Status: Inactive, non-billable
Program Category: BUSINESS PLAN PROGRAM

Name: TADLOCKS AUTO SUPPLY INC
Address: 2160 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0003207

TADLOCKS AUTO SUPPLY INC (Continued) **S113755254**

Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0040361
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

Name: AUTOZONE #3302
Address: 2160 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0036049
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0053414
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

Name: AUTOZONE #3302
Address: 2160 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0036049
Prog Element Code: STORES MV FUELS OR WASTE ONLY
Record Id: PR0053412
Description: STORES MV FUELS OR WASTE ONLY
Facility Status: Active, billable
Program Category: BUSINESS PLAN PROGRAM

Name: AUTOZONE #3302
Address: 2160 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0036049
Prog Element Code: 2221
Record Id: PR0053413
Description: GENERATES & RECYCLES WASTE OIL/SOLVENT - LQG
Facility Status: Active, billable
Program Category: HAZARDOUS WASTE PROGRAM

E29 **EAST PALO ALTO FAMILY YMCA** **San Mateo Co. BI** **S113757235**
NNE **550 BELL** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.070 mi.
369 ft. **Site 1 of 4 in cluster E**

Relative: San Mateo Co. BI:
Lower
Actual: Name: EAST PALO ALTO FAMILY YMCA
18 ft. Address: 550 BELL
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0024810
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0040397
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

Name: EAST PALO ALTO FAMILY YMCA

EAST PALO ALTO FAMILY YMCA (Continued) **S113757235**

Address:	550 BELL
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0024810
Prog Element Code:	STORES HAZ MAT <219GAL,1,999LB, 879FT3
Record Id:	PR0028447
Description:	STORES HAZ MAT <219GAL,1,999LB, 879CF
Facility Status:	Active, billable
Program Category:	BUSINESS PLAN PROGRAM

F30 **THE SOBRATO ORGANIZATION** **San Mateo Co. BI** **S124430740**
SE **2100 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.072 mi.
382 ft. **Site 1 of 5 in cluster F**

Relative:
Higher

Actual:
23 ft.

San Mateo Co. BI:

Name:	THE SOBRATO ORGANIZATION
Address:	2100 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0066310
Prog Element Code:	STORES MV FUELS OR WASTE ONLY
Record Id:	PR0089435
Description:	STORES MV FUELS OR WASTE ONLY
Facility Status:	Active, billable
Program Category:	BUSINESS PLAN PROGRAM

F31 **RAVENSWOOD COMMUNITY** **San Mateo Co. BI** **S123180386**
SE **2100 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.072 mi.
382 ft. **Site 2 of 5 in cluster F**

Relative:
Higher

Actual:
23 ft.

San Mateo Co. BI:

Name:	RAVENSWOOD COMMUNITY
Address:	2100 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0014587
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0041654
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

F32 **SJC18** **RCRA-SQG** **1027702991**
SE **2100 UNIVERSITY AVE** **CAR000353110**
< 1/8 **EAST PALO ALTO, CA 94303**
0.072 mi.
382 ft. **Site 3 of 5 in cluster F**

Relative: **Higher**
Actual: **23 ft.**

RCRA Listings:

Date Form Received by Agency:	20230406
Handler Name:	Sjc18
Handler Address:	UNIVERSITY AVE
Handler City,State,Zip:	EAST PALO ALTO, CA 94303
EPA ID:	CAR000353110
Contact Name:	NIKKI FUJII
Contact Address:	AGUSTINE DRIVE
Contact City,State,Zip:	SANTA CLARA, CA 95054
Contact Telephone:	415-509-3397
Contact Fax:	Not reported
Contact Email:	NIKKFUJI@AMAZON.COM
Contact Title:	FACILITIES MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	AGUSTINE DRIVE
Mailing City,State,Zip:	SANTA CLARA, CA 95054
Owner Name:	University Plaza Epa, Llc
Owner Type:	Private
Operator Name:	A2z
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

SJC18 (Continued) **1027702991**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230410
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D003
Waste Description:	Reactive Waste
Waste Code:	F003
Waste Description:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: A2Z	
Legal Status:	Private
Date Became Current:	20211101
Date Ended Current:	Not reported
Owner/Operator Address:	410 TERRY AVE. N
Owner/Operator City,State,Zip:	SEATTLE, WA 98109
Owner/Operator Telephone:	415-509-3397
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	NIKKFUJI@AMAZON.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: UNIVERSITY PLAZA EPA, LLC	
Legal Status:	Private
Date Became Current:	20210101

SJC18 (Continued) **1027702991**

Date Ended Current: Not reported
Owner/Operator Address: 2100 UNIVERSITY AVE
Owner/Operator City,State,Zip: PALO ALTO, CA 94303
Owner/Operator Telephone: 650-695-1092
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JCHAN@SOBRATO.COM

Historic Generators:
Receive Date: 20230406
Handler Name: SJC18
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 541715
NAICS Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT NANOTECHNOLOGY AND BIOTECHNOLOGY

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E33 **EPISCOPAL HOMES FOUNDATION** **San Mateo Co. BI** **S123181615**
NNE **560 BELL** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.073 mi.
387 ft. **Site 2 of 4 in cluster E**

Relative: **Lower**
Actual: **18 ft.**

San Mateo Co. BI:
Name: EPISCOPAL HOMES FOUNDATION
Address: 560 BELL
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0027669
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0049952
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

E34 **CITY OF EAST PALO ALTO** **RCRA NonGen / NLR** **1026803170**
NNE **560 BELL ST** **CAC003115218**
< 1/8 **EAST PALO ALTO, CA 94303**
0.073 mi.
387 ft. **Site 3 of 4 in cluster E**

Relative: **Lower**

Actual: **18 ft.**

RCRA Listings:

Date Form Received by Agency:	20210415
Handler Name:	City Of East Palo Alto
Handler Address:	560 BELL ST
Handler City,State,Zip:	EAST PALO ALTO, CA 94303
EPA ID:	CAC003115218
Contact Name:	JAY FARR
Contact Address:	150 TARA ST
Contact City,State,Zip:	EAST PALO ALTO, CA 94303
Contact Telephone:	650-853-3105
Contact Fax:	Not reported
Contact Email:	CORTES_MARIBEL@HOTMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	150 TARA ST
Mailing City,State,Zip:	EAST PALO ALTO, CA 94303
Owner Name:	City Of East Palo Alto
Owner Type:	Other
Operator Name:	Jay Farr
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

CITY OF EAST PALO ALTO (Continued) **1026803170**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210422
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CITY OF EAST PALO ALTO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	150 TARA ST
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303
Owner/Operator Telephone:	650-853-3105
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JAY FARR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	150 TARA ST
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303
Owner/Operator Telephone:	650-853-3105
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210415
Handler Name: CITY OF EAST PALO ALTO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

CITY OF EAST PALO ALTO (Continued) **1026803170**

List of NAICS Codes and Descriptions:
NAICS Code: 92119
NAICS Description: OTHER GENERAL GOVERNMENT SUPPORT

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E35 **EAST PALO ALTO SENIOR CENTER** **San Mateo Co. BI** **S123180100**
NNE **560 BELL** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.073 mi.
387 ft. **Site 4 of 4 in cluster E**

Relative: **Lower**
Actual: **18 ft.**

San Mateo Co. BI:
Name: EAST PALO ALTO SENIOR CENTER
Address: 560 BELL
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0007804
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0042940
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

D36 **LUCAS M A** **EDR Hist Cleaner** **1020030504**
West **1435 E BAYSHORE RD** **N/A**
< 1/8 **PALO ALTO, CA 94303**
0.088 mi.
466 ft. **Site 3 of 3 in cluster D**

Relative: **Higher**
Actual: **23 ft.**

EDR Hist Cleaner

Year:	Name:	Type:
1976	LUCAS M A	Drycleaning Plants, Except Rugs
1977	LUCAS M A	Drycleaning Plants, Except Rugs
1978	LUCAS M A	Drycleaning Plants, Except Rugs
1979	LUCAS M A	Drycleaning Plants, Except Rugs
1980	LUCAS M A	Drycleaning Plants, Except Rugs
1982	LUCAS M A	Drycleaning Plants, Except Rugs
1985	LUCAS M A	Drycleaning Plants, Except Rugs
1986	LUCAS M A	Drycleaning Plants, Except Rugs
1987	LUCAS M A	Drycleaning Plants, Except Rugs
1988	LUCAS M A	Drycleaning Plants, Except Rugs
1989	LUCAS M A	Drycleaning Plants, Except Rugs
1990	LUCAS M A	Drycleaning Plants, Except Rugs
1991	LUCAS M A	Drycleaning Plants, Except Rugs

F37 **B & M** **San Mateo Co. BI** **S123181563**
ESE **2118 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.090 mi.
475 ft. **Site 4 of 5 in cluster F**

Relative: San Mateo Co. BI:
Lower
Actual: Name: B & M
21 ft. Address: 2118 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0027404
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0049954
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

G38 **PALO ALTO SHELL** **RCRA NonGen / NLR** **1024814033**
NE **2194 UNIVERSITY AVE** **CAL000307245**
< 1/8 **EAST PALO ALTO, CA 94303**
0.092 mi.
486 ft. **Site 1 of 10 in cluster G**

Relative: RCRA Listings:
Lower
Actual: Date Form Received by Agency: 20060524
18 ft. Handler Name: Palo Alto Shell
Handler Address: 2194 UNIVERSITY AVE
Handler City,State,Zip: EAST PALO ALTO, CA 94303
EPA ID: CAL000307245
Contact Name: BHUSHAN BANSAL
Contact Address: 2120 MONTANA ST
Contact City,State,Zip: OAKLAND, CA 94602
Contact Telephone: 510-387-5636
Contact Fax: 510-276-5513
Contact Email: ROSEBUSH312@HOTMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2120 MONTANA ST
Mailing City,State,Zip: OAKLAND, CA 94602
Owner Name: Bhushan Bansal
Owner Type: Other
Operator Name: Bhushan Bansal
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No

PALO ALTO SHELL (Continued) **1024814033**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BHUSHAN BANSAL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2120 MONTANA ST
Owner/Operator City,State,Zip:	OAKLAND, CA 94602
Owner/Operator Telephone:	510-387-5636
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BHUSHAN BANSAL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2120 MONTANA ST
Owner/Operator City,State,Zip:	OAKLAND, CA 94602
Owner/Operator Telephone:	510-387-5636
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

PALO ALTO SHELL (Continued) **1024814033**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060524
Handler Name: PALO ALTO SHELL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G39 **BANSAL INC** **EDR Hist Auto** **1021196393**
NE **2194 UNIVERSITY AVE** **N/A**
< 1/8 **PALO ALTO, CA 94303**
0.092 mi.
486 ft. **Site 2 of 10 in cluster G**

Relative: EDR Hist Auto
Lower

Actual:
18 ft.

Year:	Name:	Type:
1971	KENS SUPER SHELL	Gasoline Service Stations
1987	EAST PALO ALTO SHELL	Gasoline Service Stations
1988	EAST PALO ALTO SHELL	Gasoline Service Stations
1989	EAST PALO ALTO SHELL	Gasoline Service Stations
1990	EAST PALO ALTO SHELL	Gasoline Service Stations
1991	EAST PALO ALTO SHELL	Gasoline Service Stations
1992	EAST PALO ALTO SHELL	Gasoline Service Stations
1993	EAST PALO ALTO SHELL	Gasoline Service Stations
1994	BANSAL INC	Gasoline Service Stations, NEC
1995	BANSAL INC	Gasoline Service Stations, NEC
1996	BANSAL INC	Gasoline Service Stations, NEC
1997	BANSAL INC	Gasoline Service Stations, NEC
1998	BANSAL INC	Gasoline Service Stations, NEC
1999	BANSAL INC	Gasoline Service Stations, NEC

G40 **E PALO ALTO SHELL** **UST** **U004348053**
NE **2194 UNIVERSITY AVE** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.092 mi.
486 ft. **Site 3 of 10 in cluster G**

Relative: UST:
Lower

Actual:
18 ft.

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41-000-018322
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10066600
Latitude:	37.4653170
Longitude:	-122.141235
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	3
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	BANSAL INC
Tank owner mailing address:	1784 150TH Avenue
Tank owner mailing city:	San Leandro
Tank owner mailing zip:	94578
Tank owner mailing state:	CA
Tank operator name:	BANSAL INC
Tank operator mailing address:	1784 150TH Avenue
Tank operator mailing city:	E PALO ALTO
Tank operator mailing zip:	94578
Tank operator mailing state:	CA
Tankidnumber:	3 PREMIUM
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	1/1/1983 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Premium Unleaded
Tank capacity gallons:	10000
Tank type:	Single Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41-000-018322
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10066600
Latitude:	37.4653170

E PALO ALTO SHELL (Continued) **U004348053**

Longitude:	-122.141235
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	3
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	BANSAL INC
Tank owner mailing address:	1784 150TH Avenue
Tank owner mailing city:	San Leandro
Tank owner mailing zip:	94578
Tank owner mailing state:	CA
Tank operator name:	BANSAL INC
Tank operator mailing address:	1784 150TH Avenue
Tank operator mailing city:	E PALO ALTO
Tank operator mailing zip:	94578
Tank operator mailing state:	CA
Tankidnumber:	1 REGULAR
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	1/1/1983 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Regular Unleaded
Tank capacity gallons:	10000
Tank type:	Single Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41-000-018322
Permitting Agency:	San Mateo County Environmental Health
CERSID:	10066600
Latitude:	37.4653170
Longitude:	-122.141235
Owner type:	Non-Government
Facility type:	Motor Vehicle Fueling
Num of inuse ust:	3
Num of closed ust:	0
Num of oos ust:	0
Epa region:	9
Tribal lands:	No
Tank owner name:	BANSAL INC
Tank owner mailing address:	1784 150TH Avenue
Tank owner mailing city:	San Leandro
Tank owner mailing zip:	94578

E PALO ALTO SHELL (Continued) **U004348053**

Tank owner mailing state:	CA
Tank operator name:	BANSAL INC
Tank operator mailing address:	1784 150TH Avenue
Tank operator mailing city:	E PALO ALTO
Tank operator mailing zip:	94578
Tank operator mailing state:	CA
Tankidnumber:	2 REGULAR AUX
Tank status:	Confirmed/Updated Information
Tank configuration:	Stand Alone Tank
Tank closure date:	Not reported
Tank installation date:	1/1/1983 12:00:00 AM
Tank num of compartments:	1
Tank contents:	Regular Unleaded
Tank capacity gallons:	10000
Tank type:	Single Wall
Tank pc construction:	Fiberglass
Tank pwpiping construction:	Fiberglass
Tank piping type:	Pressure
Tank piping construction:	Double Walled
Tank sacrificial anode:	No
Tank cp impressed current:	No
Tank cp shutoff:	Yes
Tank alarms:	No
Tank ball float:	No
Tank spill bucket:	Yes

G41 **SHELL STATION** **LUST** **S109285813**
NE **2194 UNIVERSITY** **Cortese** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303** **CERS**
0.092 mi.
486 ft. **Site 4 of 10 in cluster G**

Relative: **Lower**
Actual: **18 ft.**

SAN MATEO CO. LUST:

Name:	SHELL STATION
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA
Region:	SAN MATEO
Facility ID:	890022
Facility Status:	9- Case Closed
Global ID:	T0608182543
APN Number:	063321400
Case Type:	EAST PALO ALTO, CA
EDR Link ID:	EAST PALO ALTO, CA

LUST:

Name:	SHELL STATION
Address:	2194 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Lead Agency:	SAN MATEO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608182543
Global Id:	T0608182543
Latitude:	37.465311
Longitude:	-122.141234
Status:	Completed - Case Closed
Status Date:	12/10/2004
Case Worker:	Not reported

SHELL STATION (Continued) **S109285813**

RB Case Number:	Not reported
Local Agency:	Not reported
File Location:	Local Agency Warehouse
Local Case Number:	890022
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	12/03/2002
Leak Reported Date:	12/03/2002
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	12/10/2004
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	81-85%
CA Enviroscreen 4 Score:	75-80%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

LUST:

Global Id:	T0608182543
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608182543
Contact Type:	Regional Board Caseworker
Contact Name:	UUU
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0608182543
Action Type:	RESPONSE
Date:	11/19/2004
Action:	Other Report / Document

Global Id:	T0608182543
Action Type:	ENFORCEMENT
Date:	02/10/2004

SHELL STATION (Continued) **S109285813**

Action: Staff Letter - #20040210

Global Id: T0608182543
Action Type: RESPONSE
Date: 10/01/2008
Action: Phase II Environmental Site Investigation Report

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 12/30/2002
Action: Notice of Responsibility - #1

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 12/10/2004
Action: Closure/No Further Action Letter - #20041210

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 04/01/2003
Action: Staff Letter - #20030401

Global Id: T0608182543
Action Type: RESPONSE
Date: 08/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0608182543
Action Type: RESPONSE
Date: 02/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0608182543
Action Type: RESPONSE
Date: 05/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0608182543
Action Type: RESPONSE
Date: 08/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0608182543
Action Type: RESPONSE
Date: 11/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0608182543
Action Type: RESPONSE
Date: 04/13/2004
Action: Request for Closure

Global Id: T0608182543
Action Type: RESPONSE
Date: 09/24/2008
Action: Other Report / Document

SHELL STATION (Continued) **S109285813**

Global Id: T0608182543
Action Type: Other
Date: 12/03/2002
Action: Leak Reported

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 09/23/2008
Action: Email Correspondence

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Email Correspondence

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 10/27/2004
Action: Technical Correspondence / Assistance / Other

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 07/31/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 09/14/2012
Action: Clean Up Fund - Letter to RP

Global Id: T0608182543
Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0608182543
Action Type: Other
Date: 12/03/2002
Action: Leak Discovery

LUST:
Global Id: T0608182543
Status: Open - Case Begin Date
Status Date: 12/03/2002

Global Id: T0608182543
Status: Open - Verification Monitoring
Status Date: 02/10/2004

Global Id: T0608182543
Status: Completed - Case Closed
Status Date: 12/10/2004

CORTESE:
Name: SHELL STATION

SHELL STATION (Continued) **S109285813**

Address:	2194 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608182543
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	SHELL STATION
Address:	2194 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	685585
CERS ID:	T0608182543
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

G42 **JOHN S GEORGIOU INC** **HIST UST** **U001595878**
NE **2194 UNIVERSITY AVE** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.092 mi.
486 ft. **Site 5 of 10 in cluster G**

Relative: **Lower**

Actual: **18 ft.**

HIST UST:

Name:	JOHN S GEORGIOU INC
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
File Number:	0002c2d6
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002c2d6.pdf
Region:	STATE
Facility ID:	00000051126
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SAME
Telephone:	4159999999
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10
Tank Num:	001
Container Num:	1
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10
Tank Num:	002
Container Num:	2
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10
Tank Num:	002
Container Num:	2
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

JOHN S GEORGIOU INC (Continued) **U001595878**

Tank Num:	003
Container Num:	3
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Tank Num:	003
Container Num:	3
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Click here for Geo Tracker PDF:

G43 **E PALO ALTO SHELL** **CERS HAZ WASTE** **S121757794**
NE **2194 UNIVERSITY AVE** **CERS TANKS** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303** **CERS**
0.092 mi.
486 ft. **Site 6 of 10 in cluster G**

Relative: **Lower**
Actual: **18 ft.**

CERS HAZ WASTE:

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	26965
CERS ID:	10066600
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	26965
CERS ID:	10066600
CERS Description:	Underground Storage Tank

CERS:

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	26965
CERS ID:	10066600
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-13-2022
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double-walled pressurized piping to be continuously

E PALO ALTO SHELL (Continued) **S121757794**

monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes: Returned to compliance on 05/11/2022. Stand alone sensor in dispenser UDC 1/2 failed during testing. Please replace the sensor within 30 days. Apparently this part is on back order, so keep us posted as the progress.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Violation Date: 01-15-2014
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 02/11/2015. UDC 5/6 failure of sensor to shut down
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Violation Date: 01-31-2018
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 02/28/2018. Records of testing, repairing, and maintenance were not available during the inspection. Within 30 days, please provide the reports of repairs and maintenance for the last 12 months. Maintain these documents onsite for inspector review.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Violation Date: 01-21-2015
Citation: HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)
Violation Description: Failure to maintain the interstitial space under constant vacuum, pressure, or hydrostatic such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment. (Product Tight)
Violation Notes: Returned to compliance on 02/11/2015.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 26965

E PALO ALTO SHELL (Continued) **S121757794**

Site Name:	E PALO ALTO SHELL
Violation Date:	01-19-2021
Citation:	23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description:	Failure to submit the Underground Storage Tank Statement of Understanding and Compliance Form.
Violation Notes:	Returned to compliance on 05/11/2022. This document was not found onsite or online. Please upload to CERS and place a copy in the UST paperwork stored onsite and confirm with inspector within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-30-2017
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 03/28/2017. Outdated monitoring plan onsite - dated 2014. Please update the monitoring plan (no esite for pipe monitoring, etc.), print out and maintain at the station within 15 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-29-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 03/08/2017. In CERS #10066600; Last submitted 6/6/14: Your HMBP has not been certified. You must certify your HMBP annually. Certify your HMBP within 30 days
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-18-2023
Citation:	23 CCR 16 2636(f)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(4)
Violation Description:	Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested every 12 months: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC).
Violation Notes:	UDC Stand-alone sensor is not shutting down the dispenser. It was tested multiple times and did not function. Tech states it will need to be replaced. Replace ASAP and monitor for any liquid in the UDC daily until this can be replaced.
Violation Division:	San Mateo County Environmental Health

E PALO ALTO SHELL (Continued) **S121757794**

Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-04-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 11/13/2019. Current CERS paperwork not available onsite. After replacing Statement of Understanding and DO Identification forms (within 30 days), have these documents place in the binder for this purpose at the station. This is an ongoing problem. Try to implement a permanent solution.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-29-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/29/2016. A waste drum with gas and water was found without the label completed (blank). All waste containers must be labeled compliantly. Label was completed while inspector was on site. Violation corrected
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-18-2023
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	87-2 fill sump 208 sensor is not functioning properly. It will go into alarm and not come out, it was replaced and the new sensor did not function properly either. They will need to troubleshoot the electrical connection to the panel, as it may not be the sensor but the electrical.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-15-2014
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to

E PALO ALTO SHELL (Continued) **S121757794**

	be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 02/11/2015. 87-1 and 87-02 turbine sensors fail to detect fuel, as well as 9 fill sump, and UDC 5/6
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-31-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 02/17/2018. Certificate of financial responsibility is outdated. Within 30 days, please provide a copy of the current certificate to the inspector and maintain onsite.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-04-2019
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 01/04/2019. Sensors in 87-2 fill and turbine sumps failed. Replaced, retested, and passed during inspection.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-15-2014
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 03/24/2015. Facility must submit HMBP in CERS or Portal by 2/28/14.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-30-2017
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)

E PALO ALTO SHELL (Continued) **S121757794**

Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 03/27/2017. Spill bucket for Premium failed. Please replace the spill bucket within 30 days. Spill bucket is located in fill sump not buried directly.
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-31-2018
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	Returned to compliance on 09/24/2018. Oily/contaminated water must be disposed of as hazardous waste. No hazardous waste manifests were available on site despite the need to pump water from the sumps on multiple occasions. Nor was a determination that this material was not hazardous foundd in paperwork at the site. Within 30 days, provide evidence of the determination of whether the material pumped from the sumps was hazardous. This is required when any liquid is removed from any of the sumps for disposal.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-04-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/14/2019. Alarms identified in DO reports must be responded to and the response documented in a manner adequate to document appropriate response to the alarm from a call to the DO and the response from the DO. If a contractor needs to come to the station, this must be written on the DO report and a corresponding work order should be available. Failure to document proper resolution of alarms will result in a violation. Please resubmit the DO identification form within 30 days using new form promulgated during 2018 regulatory revisions to document ICC certification of current DO.

E PALO ALTO SHELL (Continued) **S121757794**

Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-19-2021
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/18/2021. The owner/owner representative has not signed the DO reports since September 2020. The follow-up section is often not filled in or filled in with ditto marks. Ensure the owner/owner's representative signs the DO report within 72 hours of receipt. Also, provide meaningful followup comments in response to compliance issues raised by the DO. CSLD test print-outs for October (fail), November (warn), December (warn) noted no pass for Tank 2. However, the CSLD testing for the last 12 months printed out during the UST inspection indicated a passing test for each tank each month. This raises two issues: 1) the DO report includes the CSLD print-out for the day rather than the month with the October 29 DO inspection report indicating a failure for Tank 2 although it passed a CSLD test on October 9; 2) the DO report does not note the failure of a passing CSLD test with only 2 days remaining in the month as a potential compliance issue. Please ensure that the DO prints the CSLD [Truncated]
Violation Division:	San Mateo County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL
Violation Date:	01-21-2015
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 10/01/2015. 9/14/15 NOV sent
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	26965
Site Name:	E PALO ALTO SHELL

E PALO ALTO SHELL (Continued) **S121757794**

Violation Date: 01-19-2021
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes: Returned to compliance on 01/19/2021. The standalone sensor for UDC 1-2 failed to shut down the dispenser. Sensor was replaced, tested, and passed during the inspection.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Violation Date: 01-29-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/28/2016. Your financial responsibility certification has expired. You must have a current certification each year. Submit an updated certification to the County within 30 days
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Violation Date: 01-04-2019
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 01/04/2019. Water in fills 91 and 87-2 fill sumps insufficient to trigger alarm. Maintain sumps free of liquid. Investigate cause and resolve as necessary to prevent water intrusion within 30 days.
Violation Division: San Mateo County Environmental Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

E PALO ALTO SHELL (Continued) **S121757794**

Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Unable to review the DO inspection reports at time of inspection. Will circle back with facility to check on this.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-30-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST paperwork onsite now
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-23-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-24-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP

E PALO ALTO SHELL (Continued) **S121757794**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-13-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed. Facility only generates small amount of waste if there is a spill or release, or broken hoses, fuel filters, etc.
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-17-2023
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-18-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: report writing and forwarded to operator.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection conducted during Covid-19 pandemic.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

E PALO ALTO SHELL (Continued) **S121757794**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-28-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: AMC rvw; errors
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-26-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST cert report
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-12-2014
Violations Found: No

E PALO ALTO SHELL (Continued) **S121757794**

Eval Type: Other, not routine, done by local agency
Eval Notes: lead user added
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-14-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health

E PALO ALTO SHELL (Continued) **S121757794**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Faciltiy has implemented new management since the last inspection. New manager is Ruchi Bansal 520-304-2444, bansalshell@hotmail.com This information is from Nik Zagarov, the DO who indicated that the inspection reports should be sent to the new manager. To reconfigure ISD, a cold start was performed before the AMC. Nik Zagarov noted that it was incorrect "for some reason."
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-02-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: follow up on AMC, test results and follow up on open violations.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-02-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: cers, email sugst upload StateUnderstanding
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-24-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: sb989 testing results reviewed and efiled
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-14-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency

E PALO ALTO SHELL (Continued) **S121757794**

Eval Notes: follow up on inspection report and broken standalone sensor. Report written and sent to operator. Records reviewed in CERS.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health

E PALO ALTO SHELL (Continued) **S121757794**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Onsite to observe removal of esite and testing of new sensors
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-01-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: follow up to AMC report and SB 989 repairs needed for this site, and new 989 on failed components to be required.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-21-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-26-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-26-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

E PALO ALTO SHELL (Continued) **S121757794**

Eval General Type: Other/Unknown
Eval Date: 12-21-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST pages and HMBP uipdates Approved VIA cers.
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-24-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 26965
Site Name: E PALO ALTO SHELL
Site Address: 2194 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 01-21-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Site Address: 2194 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 01-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Site Address: 2194 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 09-11-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

E PALO ALTO SHELL (Continued) **S121757794**

Site ID: 26965
Site Name: E PALO ALTO SHELL
Site Address: 2194 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 01-21-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Site Address: 2194 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 09-14-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 26965
Site Name: E PALO ALTO SHELL
Site Address: 2194 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 01-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 26965
Facility Name: E PALO ALTO SHELL
Env Int Type Code: HWG
Program ID: 10066600
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 37.465298
Longitude: -122.141228

Affiliation:
Affiliation Type Desc: Operator
Entity Name: BANSAL INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

E PALO ALTO SHELL (Continued) **S121757794**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (510) 387-5636,

Affiliation Type Desc: Parent Corporation
Entity Name: E PALO ALTO SHELL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Bhushan Bansal
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (510) 387-5636,

Affiliation Type Desc: UST Property Owner Name
Entity Name: BANSAL INC
Entity Title: Not reported
Affiliation Address: 1784 150TH Avenue
Affiliation City: San Leandro
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94578
Affiliation Phone: (510) 387-5636,

Affiliation Type Desc: Document Preparer
Entity Name: Nik Zagorov
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Bhushan Bansal
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Tank Owner
Entity Name: BANSAL INC
Entity Title: Not reported

E PALO ALTO SHELL (Continued) **S121757794**

Affiliation Address:	1784 150TH Avenue
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94578
Affiliation Phone:	(510) 387-5636,
Affiliation Type Desc:	CUPA District
Entity Name:	San Mateo County Environmental Health
Entity Title:	Not reported
Affiliation Address:	2000 Alameda de las Pulgas, Suite 100
Affiliation City:	San Mateo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94403
Affiliation Phone:	(650) 372-6200,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Bhushan Bansal
Entity Title:	Not reported
Affiliation Address:	1784 150TH Avenue
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94578
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1784 150TH Avenue
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94578
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Bhushan Bansal
Entity Title:	Not reported
Affiliation Address:	1784 150TH Avenue
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94578
Affiliation Phone:	(510) 387-5636,
Affiliation Type Desc:	Property Owner
Entity Name:	Bhushan Bansal
Entity Title:	Not reported
Affiliation Address:	1784 150TH Avenue
Affiliation City:	San Leandro
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94578
Affiliation Phone:	(510) 387-5636,

E PALO ALTO SHELL (Continued) **S121757794**

Affiliation Type Desc:	UST Tank Operator
Entity Name:	BANSAL INC
Entity Title:	Not reported
Affiliation Address:	1784 150TH Avenue
Affiliation City:	E PALO ALTO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94578
Affiliation Phone:	(510) 387-5636,

G44 **S & V PLATO SHELL** **San Mateo Co. BI** **S123180420**
NE **2194 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.092 mi.
486 ft. **Site 7 of 10 in cluster G**

Relative: San Mateo Co. BI:
Lower

Name:	S & V PLATO SHELL
Address:	2194 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0015176
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0049951
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

Actual:
18 ft.

G45 **E PALO ALTO SHELL** **San Mateo Co. BI** **S113756651**
NE **2194 UNIVERSITY** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.092 mi.
486 ft. **Site 8 of 10 in cluster G**

Relative: San Mateo Co. BI:
Lower

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0018322
Prog Element Code:	STORES MV FUELS OR WASTE ONLY
Record Id:	PR0023767
Description:	STORES MV FUELS OR WASTE ONLY
Facility Status:	Inactive, non-billable
Program Category:	BUSINESS PLAN PROGRAM

Actual:
18 ft.

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0018322
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0040383
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable

E PALO ALTO SHELL (Continued) **S113756651**

Program Category: STORMWATER

Name: E PALO ALTO SHELL
Address: 2194 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0018322
Prog Element Code: UNDERGROUND TANK - GENERAL
Record Id: PR0022978
Description: UNDERGROUND TANK - GENERAL
Facility Status: Inactive, non-billable
Program Category: UNDERGROUND TANK PROGRAM

Name: E PALO ALTO SHELL
Address: 2194 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0018322
Prog Element Code: GENERATES <27 GAL/YEAR
Record Id: PR0044312
Description: GENERATES <27 GAL/YEAR
Facility Status: Inactive, non-billable
Program Category: HAZARDOUS WASTE PROGRAM

Name: E PALO ALTO SHELL
Address: 2194 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0049423
Prog Element Code: STORES MV FUELS OR WASTE ONLY
Record Id: PR0067527
Description: STORES MV FUELS OR WASTE ONLY
Facility Status: Active, billable
Program Category: BUSINESS PLAN PROGRAM

Name: E PALO ALTO SHELL
Address: 2194 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0049423
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0067533
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

Name: E PALO ALTO SHELL
Address: 2194 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0049423
Prog Element Code: GENERATES <27 GAL/YEAR
Record Id: PR0067528
Description: GENERATES <27 GAL/YEAR
Facility Status: Active, billable
Program Category: HAZARDOUS WASTE PROGRAM

E PALO ALTO SHELL (Continued) **S113756651**

Name:	E PALO ALTO SHELL
Address:	2194 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0049423
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0067529
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Active, billable
Program Category:	UNDERGROUND TANK PROGRAM

G46 **SHELL SERVICE STATION** **RCRA-SQG 1000288540**
NE **2194 UNIVERSITY AVE** **FINDS CAD980676142**
< 1/8 **EAST PALO ALTO, CA 94303**
0.092 mi.
486 ft. **Site 9 of 10 in cluster G**

Relative: **Lower**
Actual: **18 ft.**

RCRA Listings:

Date Form Received by Agency:	20020604
Handler Name:	Shell Service Station
Handler Address:	2194 UNIVERSITY AVE
Handler City,State,Zip:	EAST PALO ALTO, CA 94303
EPA ID:	CAD980676142
Contact Name:	SONDRA BIENVENU
Contact Address:	P O BOX 2648
Contact City,State,Zip:	HOUSTON, TX 77252-2648
Contact Telephone:	713-241-5036
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P O BOX 2648
Mailing City,State,Zip:	HOUSTON, TX 77252-2648
Owner Name:	Equilon Ent Llc Dba S O P Us
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

SHELL SERVICE STATION (Continued) **1000288540**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EQUILON ENT LLC DBA S O P US
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 2648
Owner/Operator City,State,Zip:	HOUSTON, TX 77252-2648
Owner/Operator Telephone:	713-241-5036
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020604
Handler Name:	SHELL SERVICE STATION
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

SHELL SERVICE STATION (Continued) **1000288540**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002670574

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G47 **SHELL SERVICE STATION** **UST** **U004348054**
NE **2194 UNIVERSITY AVE** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.092 mi.
486 ft. **Site 10 of 10 in cluster G**

Relative: UST:
Lower
Actual:
18 ft.

Name:	SHELL SERVICE STATION
Address:	2194 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41-000-018322
Permitting Agency:	SAN MATEO COUNTY
CERSID:	Not reported
Latitude:	37.466647
Longitude:	-122.139876
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported

SHELL SERVICE STATION (Continued) **U004348054**

Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

F48 **COUNTRY TIME MARKET** **San Mateo Co. BI** **S123179944**
ESE **635 DONOHOE** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.117 mi.
620 ft. **Site 5 of 5 in cluster F**

Relative: **Higher**
Actual: **22 ft.**

San Mateo Co. BI:

Name:	COUNTRY TIME MARKET
Address:	635 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0004195
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0041635
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

H49 **A1 AUTOMOTIVE REPAIR SHOP** **San Mateo Co. BI** **S113755992**
SE **648 DONOHOE** **N/A**
< 1/8 **EAST PALO ALTO, CA 94303**
0.124 mi.
653 ft. **Site 1 of 4 in cluster H**

Relative: **Higher**
Actual: **23 ft.**

San Mateo Co. BI:

Name:	A1 AUTOMOTIVE REPAIR SHOP
Address:	648 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0014217
Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT

A1 AUTOMOTIVE REPAIR SHOP (Continued) **S113755992**

Record Id:	PR0024591
Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT
Facility Status:	Inactive, non-billable
Program Category:	HAZARDOUS WASTE PROGRAM
Name:	A1 AUTOMOTIVE REPAIR SHOP
Address:	648 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0014217
Prog Element Code:	STORES MV FUELS OR WASTE ONLY
Record Id:	PR0024592
Description:	STORES MV FUELS OR WASTE ONLY
Facility Status:	Inactive, non-billable
Program Category:	BUSINESS PLAN PROGRAM
Name:	A1 AUTOMOTIVE REPAIR SHOP
Address:	648 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0014217
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0028274
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Inactive, non-billable
Program Category:	UNDERGROUND TANK PROGRAM
Name:	A1 AUTOMOTIVE REPAIR SHOP
Address:	648 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0014217
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0040378
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

H50 **EL GALOPE TAQUERIA** **San Mateo Co. BI** **S123179979**
ESE **641 DONOHOE** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.128 mi.
675 ft. **Site 2 of 4 in cluster H**

Relative: San Mateo Co. BI:
Lower

Name:	EL GALOPE TAQUERIA
Address:	641 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0004459
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0049956
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

Actual:
21 ft.

I51 **RAVENSWOOD SCHOOL** **RCRA NonGen / NLR** **1024745011**
SSW **2021 EUCLID AVENUE** **CAC002964777**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.143 mi.
755 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
28 ft.

RCRA Listings:

Date Form Received by Agency:	20180604
Handler Name:	Ravenswood School
Handler Address:	2021 EUCLID AVENUE
Handler City,State,Zip:	EAST PALO ALTO, CA 94303
EPA ID:	CAC002964777
Contact Name:	STEVE EICHMAN, CBO
Contact Address:	2021 EUCLID AVENUE
Contact City,State,Zip:	EAST PALO ALTO, CA 94303
Contact Telephone:	650-329-2800
Contact Fax:	Not reported
Contact Email:	ANNIELIZ.BRIDGES@US.BELFOR.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2021 EUCLID AVENUE
Mailing City,State,Zip:	EAST PALO ALTO, CA 94303
Owner Name:	Steve Eichman, Cbo
Owner Type:	Other
Operator Name:	Steve Eichman, Cbo
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

RAVENSWOOD SCHOOL (Continued) **1024745011**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180830
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: STEVE EICHMAN, CBO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2021 EUCLID AVENUE
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303
Owner/Operator Telephone:	650-329-2800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: STEVE EICHMAN, CBO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2021 EUCLID AVENUE
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303
Owner/Operator Telephone:	650-329-2800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180604
Handler Name: RAVENSWOOD SCHOOL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

RAVENSWOOD SCHOOL (Continued) **1024745011**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J52 **IZZY BROOKLYN BAGELS** **San Mateo Co. BI** **S123183041**
NNE **2220 UNIVERSITY** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.152 mi.
802 ft. **Site 1 of 3 in cluster J**

Relative: **Lower**
Actual: **17 ft.**

San Mateo Co. BI:
Name: IZZY BROOKLYN BAGELS
Address: 2220 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0050528
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0073432
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

J53 **THREE BROTHERS TACOS** **San Mateo Co. BI** **S123181332**
NNE **2220 UNIVERSITY** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.152 mi.
802 ft. **Site 2 of 3 in cluster J**

Relative: **Lower**
Actual: **17 ft.**

San Mateo Co. BI:
Name: THREE BROTHERS TACOS
Address: 2220 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0026488
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0049948
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

54
ENE
1/8-1/4
0.159 mi.
839 ft.

ROMANOVSKY, SERGEY
2157 COOLEY AVENUE
E PALO ALTO, CA 94304

RCRA NonGen / NLR **1026821393** **CAC003134308**

Relative:
Lower

Actual:
18 ft.

RCRA Listings:

Date Form Received by Agency:	20210813
Handler Name:	Romanovsky, Sergey
Handler Address:	2157 COOLEY AVENUE
Handler City,State,Zip:	E PALO ALTO, CA 94304
EPA ID:	CAC003134308
Contact Name:	ROMANOVSKY, SERGEY
Contact Address:	2157 COOLEY AVENUE
Contact City,State,Zip:	E PALO ALTO, CA 94304
Contact Telephone:	408-203-9606
Contact Fax:	510-651-7702
Contact Email:	MICKIEL@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2157 COOLEY AVENUE
Mailing City,State,Zip:	E PALO ALTO, CA 94304
Owner Name:	Romanovsky, Sergey
Owner Type:	Other
Operator Name:	Romanovsky, Sergey
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

ROMANOVSKY, SERGEY (Continued) **1026821393**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210816
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ROMANOVSKY, SERGEY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2157 COOLEY AVENUE
Owner/Operator City,State,Zip:	E PALO ALTO, CA 94304
Owner/Operator Telephone:	408-203-9606
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROMANOVSKY, SERGEY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2157 COOLEY AVENUE
Owner/Operator City,State,Zip:	E PALO ALTO, CA 94304
Owner/Operator Telephone:	408-203-9606
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210813
Handler Name: ROMANOVSKY, SERGEY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

ROMANOVSKY, SERGEY (Continued) **1026821393**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K55 **875 O'CONNER STREET** **US BROWNFIELDS** **1016345736**
South **875 O'CONNER STREET** **FINDS** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.163 mi.
861 ft. **Site 1 of 2 in cluster K**

Relative:
Higher

Actual:
28 ft.

US BROWNFIELDS:

Name:	875 O'CONNER STREET
Address:	875 O'CONNER STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-511-480
Parcel size:	0.91
Latitude:	37.460712
Longitude:	-122.134383
HCM Label:	Interpolation-Map
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	A "No Further Action" Letter was processed regarding the Cummings Lofts property. Will be redeveloped into a mixed use development with 20,000 square feet of retail space on the ground floor and 30 lofts/townhomes above. Received final land use approval from City Council. Redevelopment start expected in two-three months. (PPF - Cummings Lofts, 12/16/04) Former Use: Mostly vacant with single family home, nursery
Datum:	World Geodetic System of 1984
Acres Property ID:	15635
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	12/31/2003
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Not reported

875 O'CONNER STREET (Continued) **1016345736**

Accomplishment Count:	Not reported
Cooperative Agreement Number:	97931801
Start Date:	Not reported
Ownership Entity:	Not reported
Completion Date:	Not reported
Current Owner:	John Hunter
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	N
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Mostly vacant with single family home, nursery
Below Poverty Number:	1420
Below Poverty Percent:	16.08
Meidan Income:	11862
Meidan Income Number:	4224
Meidan Income Percent:	47.84
Vacant Housing Number:	313
Vacant Housing Percent:	10.46
Unemployed Number:	495
Unemployed Percent:	5.61

Name:	875 O'CONNER STREET
Address:	875 O'CONNER STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-511-480
Parcel size:	0.91
Latitude:	37.460712
Longitude:	-122.134383
HCM Label:	Interpolation-Map

875 O'CONNER STREET (Continued) **1016345736**

Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	A "No Further Action" Letter was processed regarding the Cummings Lofts property. Will be redeveloped into a mixed use development with 20,000 square feet of retail space on the ground floor and 30 lofts/townhomes above. Received final land use approval from City Council. Redevelopment start expected in two-three months. (PPF - Cummings Lofts, 12/16/04) Former Use: Mostly vacant with single family home, nursery
Datum:	World Geodetic System of 1984
Acres Property ID:	15635
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	1
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Other Federal Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	97931801
Start Date:	5/20/2003
Ownership Entity:	Not reported
Completion Date:	5/20/2003
Current Owner:	John Hunter
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported

875 O'CONNER STREET (Continued) **1016345736**

Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	N
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Mostly vacant with single family home, nursery
Below Poverty Number:	1420
Below Poverty Percent:	16.08
Meidan Income:	11862
Meidan Income Number:	4224
Meidan Income Percent:	47.84
Vacant Housing Number:	313
Vacant Housing Percent:	10.46
Unemployed Number:	495
Unemployed Percent:	5.61

Name:	875 O'CONNER STREET
Address:	875 O'CONNER STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-511-480
Parcel size:	0.91
Latitude:	37.460712
Longitude:	-122.134383
HCM Label:	Interpolation-Map
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	A "No Further Action" Letter was processed regarding the Cummings Lofts property. Will be redeveloped into a mixed use development with 20,000 square feet of retail space on the ground floor and 30 lofts/townhomes above. Received final land use approval from City Council. Redevelopment start expected in two-three months. (PPF - Cummings Lofts, 12/16/04) Former Use: Mostly vacant with single family home, nursery
Datum:	World Geodetic System of 1984
Acres Property ID:	15635
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6262
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y

875 O'CONNER STREET (Continued) **1016345736**

Cooperative Agreement Number:	97931801
Start Date:	11/17/2003
Ownership Entity:	Not reported
Completion Date:	11/17/2003
Current Owner:	John Hunter
Did Owner Change:	Y
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	N
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Mostly vacant with single family home, nursery
Below Poverty Number:	1420
Below Poverty Percent:	16.08
Meidan Income:	11862
Meidan Income Number:	4224
Meidan Income Percent:	47.84
Vacant Housing Number:	313
Vacant Housing Percent:	10.46
Unemployed Number:	495
Unemployed Percent:	5.61

FINDS:
Registry ID: 110038698745

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

875 O'CONNER STREET (Continued) **1016345736**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K56 **THE FRIENDLY PLACE RESTAURANT** **San Mateo Co. BI** **S123180611**
South **583 OCONNOR** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.163 mi.
863 ft. **Site 2 of 2 in cluster K**

Relative: **Higher**
Actual: **28 ft.**

San Mateo Co. BI:

Name:	THE FRIENDLY PLACE RESTAURANT
Address:	583 OCONNOR
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0022540
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0049958
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

I57 **RESIDENCE** **San Mateo Co. BI** **S106981806**
SSW **495 OCONNOR** **N/A**
1/8-1/4 **MENLO PARK, CA 94025**
0.164 mi.
865 ft. **Site 2 of 4 in cluster I**

Relative: **Higher**
Actual: **29 ft.**

San Mateo Co. BI:

Name:	RESIDENCE
Address:	495 OCONNOR
City,State,Zip:	MENLO PARK, CA 94025
Region:	SAN MATEO
Facility ID:	FA0023894
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0028006
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Inactive, non-billable
Program Category:	UNDERGROUND TANK PROGRAM

H58 **JONES MORTUARY INC** **San Mateo Co. BI** **S123182466**
ESE **660 DONOHOE** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.167 mi.
884 ft. **Site 3 of 4 in cluster H**

Relative: **Higher**
Actual: **22 ft.**

San Mateo Co. BI:

Name:	JONES MORTUARY INC
Address:	660 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0044936
Prog Element Code:	SML QUANTITY GENERATOR(1-199lbs/Mo) OFF-SITE
Record Id:	PR0057174
Description:	SQG OFF-SITE TREATMENT (1-199 LB/MO)
Facility Status:	Active, billable

JONES MORTUARY INC (Continued) **S123182466**

Program Category: MEDICAL WASTE

H59 **JONES MORTUARY** **LUST** **S105427667**
ESE **660 DONOHOE** **Cortese** **N/A**
1/8-1/4 **E PALO ALTO, CA 94303** **CERS**
0.167 mi.
884 ft. **Site 4 of 4 in cluster H**

Relative:
Higher

Actual:
22 ft.

SAN MATEO CO. LUST:

Name:	JONES MORTUARY
Address:	660 DONOHOE ST
City,State,Zip:	EAST PALO ALTO, CA
Region:	SAN MATEO
Facility ID:	890020
Facility Status:	9- Case Closed
Global ID:	T0608152821
APN Number:	063312440
Case Type:	EAST PALO ALTO, CA
EDR Link ID:	EAST PALO ALTO, CA

LUST:

Name:	JONES MORTUARY
Address:	660 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Lead Agency:	SAN MATEO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608152821
Global Id:	T0608152821
Latitude:	37.4623209067686
Longitude:	-122.140022575394
Status:	Completed - Case Closed
Status Date:	09/13/2003
Case Worker:	Not reported
RB Case Number:	Not reported
Local Agency:	Not reported
File Location:	Local Agency Warehouse
Local Case Number:	890020
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	0
Begin Date:	01/30/2002
Leak Reported Date:	01/30/2002
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	09/13/2003
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Disadvantaged Community
CA Enviroscreen 3 Score:	81-85%
CA Enviroscreen 4 Score:	75-80%

JONES MORTUARY (Continued) **S105427667**

Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Site History: Not reported

LUST:
Global Id: T0608152821
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0608152821
Contact Type: Regional Board Caseworker
Contact Name: UUU
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0608152821
Action Type: RESPONSE
Date: 08/23/2002
Action: Other Report / Document

Global Id: T0608152821
Action Type: ENFORCEMENT
Date: 04/01/2002
Action: Notice of Responsibility - #1

Global Id: T0608152821
Action Type: ENFORCEMENT
Date: 09/13/2003
Action: Closure/No Further Action Letter - #2

Global Id: T0608152821
Action Type: ENFORCEMENT
Date: 08/11/2003
Action: Staff Letter - #20030811

Global Id: T0608152821
Action Type: ENFORCEMENT
Date: 08/29/2002
Action: Staff Letter - #20020829

Global Id: T0608152821
Action Type: RESPONSE
Date: 06/29/2003
Action: Electronic Reporting Submittal Due

Global Id: T0608152821
Action Type: RESPONSE

JONES MORTUARY (Continued) **S105427667**

Date: 11/11/2003
Action: Request for Closure

Global Id: T0608152821
Action Type: Other
Date: 01/30/2002
Action: Leak Reported

Global Id: T0608152821
Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0608152821
Action Type: Other
Date: 01/30/2002
Action: Leak Discovery

LUST:
Global Id: T0608152821
Status: Open - Case Begin Date
Status Date: 01/30/2002

Global Id: T0608152821
Status: Open - Site Assessment
Status Date: 01/30/2002

Global Id: T0608152821
Status: Open - Verification Monitoring
Status Date: 08/29/2002

Global Id: T0608152821
Status: Completed - Case Closed
Status Date: 09/13/2003

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 890020
How Discovered: OM
Leak Cause: Unknown
Leak Source: Unknown
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 1/1/1965
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 8/29/2002

CORTESE:
Name: JONES MORTUARY
Address: 660 DONOHOE

JONES MORTUARY (Continued) **S105427667**

City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608152821
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	JONES MORTUARY
Address:	660 DONOHOE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	662678
CERS ID:	T0608152821
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

J60 **METRO PCS** **San Mateo Co. BI** **S123180213**
NNE **2240 UNIVERSITY** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.168 mi.
888 ft. **Site 3 of 3 in cluster J**

Relative: **Lower**
Actual: **17 ft.**

San Mateo Co. BI:

Name:	METRO PCS
Address:	2240 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0010639
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0041647
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

L61 **FOUR SEASONS HOTEL SILICON VALLEY** **RCRA-SQG** **1024876664**
SSE **2050 UNIVERSITY AVE** **CAR000280834**
1/8-1/4 **PALO ALTO, CA 94303**
0.172 mi.
909 ft. **Site 1 of 5 in cluster L**

Relative: **Higher**
Actual: **29 ft.**

RCRA Listings:

Date Form Received by Agency:	20180226
Handler Name:	Four Seasons Hotel Silicon Valley
Handler Address:	UNIVERSITY AVE
Handler City,State,Zip:	PALO ALTO, CA 94303
EPA ID:	CAR000280834
Contact Name:	NILESH LAL
Contact Address:	UNIVERSITY AVE
Contact City,State,Zip:	PALO ALTO, CA 94303
Contact Telephone:	650-470-2831
Contact Fax:	Not reported
Contact Email:	NILESH.LAL@FOURSEASONS.COM
Contact Title:	CHIEF ENGINEER
EPA Region:	09
Land Type:	County
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	UNIVERSITY AVE
Mailing City,State,Zip:	PALO ALTO, CA 94303
Owner Name:	Dtrs Palo Alto
Owner Type:	Private
Operator Name:	Dtrs Palo Alto
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **1024876664**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180302
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	F039
Waste Description:	Leachate Resulting From The Treatment, Storage, Or Disposal Of Wastes Classified By More Than One Waste Code Under Subpart D, Or From A Mixture Of Wastes Classified Under Subparts C And D Of This Part. (Leachate Resulting From The Management Of One Or More Of The Following Epa Hazardous Wastes And No Other Hazardous Wastes Retains Its Hazardous Waste Code(S): F020, F021, F022, F023, F026, F027, And/Or F028.)

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DTRS PALO ALTO	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2050 UNIVERSITY AVENUE
Owner/Operator City,State,Zip:	PALO ALTO, CA 94303
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **1024876664**

Owner/Operator Indicator: Owner
Owner/Operator Name: DTRS PALO ALTO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2050 UNIVERSITY AVENUE
Owner/Operator City,State,Zip: PALO ALTO, CA 94303
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180226
Handler Name: FOUR SEASONS HOTEL SILICON VALLEY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 721110
NAICS Description: HOTELS (EXCEPT CASINO HOTELS) AND MOTELS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L62 **DTRS PALO ALTO LLC DBA FOUR SEASONS HOTEL SILICON** **RCRA NonGen / NLR** **1026054550**
SSE **2050 UNIVERSITY AVE** **CAL000371626**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.172 mi.
909 ft. **Site 2 of 5 in cluster L**

Relative:
Higher

Actual:
29 ft.

RCRA Listings:
Date Form Received by Agency: 20220518
Handler Name: Dtrs Palo Alto Llc Dba Four Seasons Hotel Silicon Valley
Handler Address: 2050 UNIVERSITY AVE
Handler City,State,Zip: EAST PALO ALTO, CA 94303
EPA ID: CAL000371626
Contact Name: ISABEL ARTEAGA
Contact Address: 2050 UNIVERSITY AVE
Contact City,State,Zip: EAST PALO ALTO, CA 94303
Contact Telephone: 650-470-2898
Contact Fax: Not reported
Contact Email: ISABEL.ARTEAGA@FOURSEASONS.COM
Contact Title: Not reported

DTRS PALO ALTO LLC DBA FOUR SEASONS HOTEL SILICON VALLEY (Continued) **1026054550**

EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2050 UNIVERSITY AVE
Mailing City,State,Zip:	EAST PALO ALTO, CA 94303-0000
Owner Name:	Dtrs Palo Alto Llc
Owner Type:	Private
Operator Name:	Isabel Arteaga
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220617
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

DTRS PALO ALTO LLC DBA FOUR SEASONS HOTEL SILICON VALLEY (Continued) **1026054550**

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: DTRS PALO ALTO LLC
Legal Status: Private
Date Became Current: 20220518
Date Ended Current: Not reported
Owner/Operator Address: 2050 UNIVERSITY AVE
Owner/Operator City,State,Zip: EAST PALO ALTO, CA 94303-0000
Owner/Operator Telephone: 650-470-2898
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ISABEL.ARTEAGA@FOURSEASONS.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ISABEL ARTEAGA
Legal Status: Private
Date Became Current: 20220518
Date Ended Current: Not reported
Owner/Operator Address: 2050 UNIVERSITY AVE
Owner/Operator City,State,Zip: EAST PALO ALTO, CA 94303
Owner/Operator Telephone: 650-470-2898
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ISABEL.ARTEAGA@FOURSEASONS.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: DTRS PALO ALTO LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2050 UNIVERSITY AVE
Owner/Operator City,State,Zip: EAST PALO ALTO, CA 94303-0000
Owner/Operator Telephone: 650-470-2898
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ISABEL ARTEAGA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2050 UNIVERSITY AVE
Owner/Operator City,State,Zip: EAST PALO ALTO, CA 94303

DTRS PALO ALTO LLC DBA FOUR SEASONS HOTEL SILICON VALLEY (Continued) **1026054550**

Owner/Operator Telephone: 650-470-2898
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220518
Handler Name: DTRS PALO ALTO LLC DBA FOUR SEASONS HOTEL SILICON VALLEY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20120209
Handler Name: DTRS PALO ALTO LLC DBA FOUR SEASONS HOTEL SILICON VALLEY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 721199
NAICS Description: ALL OTHER TRAVELER ACCOMMODATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L63 **FOUR SEASONS SILICON VALLEY** **DRYCLEANERS** **S124453514**
SSE **2050 UNIVERSITY AVENUE** **EMI** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.172 mi.
909 ft. **Site 3 of 5 in cluster L**

Relative:
Higher

Actual:
29 ft.

DRYCLEAN BAY AREA DIST:
Facility ID: 16212
Name: FOUR SEASONS SILICON VALLEY
Address: 2050 UNIVERSITY AVENUE
City,State,Zip: EAST PALO ALTO, CA 94303
NAICS Code: 721110

FOUR SEASONS SILICON VALLEY (Continued) **S124453514**

Facility Status:	Permitted
Device Name:	Multimatic 40lb Petroleum Closed Loop Machine [MUL40P]
Drum Capacity:	40
Device Status:	Registered
Facility Permit Expiration Date:	2019-12-01 00:00:00
Name:	Petroleum or Hydrocarbon Solvent, High Flash Point
Annual Usage:	50

EMI:

Name:	FOUR SEASONS SILICON VALLEY
Address:	2050 UNIVERSITY AVENUE
City,State,Zip:	EAST PALO ALTO, CA 94303
Year:	2017
County Code:	41
Air Basin:	SF
Facility ID:	16212
Air District Name:	BA
SIC Code:	7011
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.061645939
Reactive Organic Gases Tons/Yr:	0.42662717002
Carbon Monoxide Emissions Tons/Yr:	0.059852521
NOX - Oxides of Nitrogen Tons/Yr:	0.351292511
SOX - Oxides of Sulphur Tons/Yr:	0.00195201
Particulate Matter Tons/Yr:	0.03443088
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.034421883

Name:	FOUR SEASONS SILICON VALLEY
Address:	2050 UNIVERSITY AVENUE
City,State,Zip:	EAST PALO ALTO, CA 94303
Year:	2018
County Code:	41
Air Basin:	SF
Facility ID:	16212
Air District Name:	BA
SIC Code:	7011
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.062350403
Reactive Organic Gases Tons/Yr:	0.42691026218
Carbon Monoxide Emissions Tons/Yr:	0.059892236
NOX - Oxides of Nitrogen Tons/Yr:	0.351525615
SOX - Oxides of Sulphur Tons/Yr:	0.001953305
Particulate Matter Tons/Yr:	0.034453727
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.034444724

Name:	FOUR SEASONS SILICON VALLEY
Address:	2050 UNIVERSITY AVENUE
City,State,Zip:	EAST PALO ALTO, CA 94303
Year:	2019
County Code:	41
Air Basin:	SF
Facility ID:	16212
Air District Name:	BA

FOUR SEASONS SILICON VALLEY (Continued) **S124453514**

SIC Code:	7011
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.062350403
Reactive Organic Gases Tons/Yr:	0.42691026218
Carbon Monoxide Emissions Tons/Yr:	0.059892236
NOX - Oxides of Nitrogen Tons/Yr:	0.351525615
SOX - Oxides of Sulphur Tons/Yr:	0.001953305
Particulate Matter Tons/Yr:	0.034453727
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.034444724

Name:	FOUR SEASONS SILICON VALLEY
Address:	2050 UNIVERSITY AVENUE
City,State,Zip:	EAST PALO ALTO, CA 94303
Year:	2020
County Code:	41
Air Basin:	SF
Facility ID:	16212
Air District Name:	BA
SIC Code:	7011
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.07048624
Reactive Organic Gases Tons/Yr:	0.43136447664
Carbon Monoxide Emissions Tons/Yr:	0.073082975
NOX - Oxides of Nitrogen Tons/Yr:	0.426820079
SOX - Oxides of Sulphur Tons/Yr:	0.002318652
Particulate Matter Tons/Yr:	0.041006587
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.040983605

L64 **FOUR SEASONS HOTEL SILICON VALLEY** **CERS HAZ WASTE** **S113801236**
SSE **2050 UNIVERSITY AVE** **HAZNET** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303** **CERS**
0.172 mi. **HWTS**
909 ft. **Site 4 of 5 in cluster L**

Relative: **Higher**
Actual: **29 ft.**

CERS HAZ WASTE:

Name:	FOUR SEASONS HOTEL SILICON VALLEY
Address:	2050 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	31369
CERS ID:	10070101
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	DTRS PALO ALTO LLC DBA FOUR SEASONS HOTEL SILICON VALLEY
Address:	2050 UNIVERSITY AVE
Address 2:	Not reported
City,State,Zip:	EAST PALO ALTO, CA 94303
Contact:	BRENT RICHARDSON
Telephone:	6504702832
Mailing Name:	Not reported
Mailing Address:	2050 UNIVERSITY AVE

Year: 2016

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Gepaid:	CAL000371626
TSD EPA ID:	CAD059494310
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.4
Year:	2016
Gepaid:	CAL000371626
TSD EPA ID:	CAD982444481
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.89
Year:	2014
Gepaid:	CAL000371626
TSD EPA ID:	CAD982444481
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.226
Year:	2014
Gepaid:	CAL000371626
TSD EPA ID:	CAD059494310
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.45
Year:	2013
Gepaid:	CAL000371626
TSD EPA ID:	CAD059494310
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3
Year:	2013
Gepaid:	CAL000371626
TSD EPA ID:	CAD982444481
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.352
Year:	2012
Gepaid:	CAL000371626
TSD EPA ID:	CAD982444481
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.63

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Additional Info:

Year:	2014
Gen EPA ID:	CAL000371626
Shipment Date:	20140808
Creation Date:	10/22/2014 22:15:04
Receipt Date:	20140827
Manifest ID:	007911553FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217513
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.302
Waste Quantity:	310
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140808
Creation Date:	10/31/2014 22:14:51
Receipt Date:	20140825
Manifest ID:	007911554FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140808
Creation Date:	10/22/2014 22:15:04
Receipt Date:	20140827

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Manifest ID:	007911553FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217513
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000371626
Shipment Date:	20131230
Creation Date:	3/18/2014 22:15:05
Receipt Date:	20140108
Manifest ID:	006694612FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131230
Creation Date:	3/7/2014 22:15:07
Receipt Date:	20140118
Manifest ID:	006694613FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Trans 2 EPA ID:	CAR000217513
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131230
Creation Date:	3/7/2014 22:15:07
Receipt Date:	20140118
Manifest ID:	006694613FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217513
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.882
Waste Quantity:	210
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130204
Creation Date:	4/12/2013 22:15:31
Receipt Date:	20130215
Manifest ID:	006019958FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217513
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.147
Waste Quantity: 35
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130204
Creation Date: 4/12/2013 22:15:31
Receipt Date: 20130215
Manifest ID: 006019958FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000217513
Trans 2 Name: ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.63
Waste Quantity: 150
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130204
Creation Date: 4/30/2013 22:15:27
Receipt Date: 20130214
Manifest ID: 006019980FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID: CAD059494310
Trans Name: CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000371626
Shipment Date:	20120207
Creation Date:	4/16/2012 20:30:25
Receipt Date:	20120222
Manifest ID:	005091237FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217513
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	FOUR SEASONS HOTEL SILICON VALLEY
Address:	2050 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	31369
CERS ID:	10070101
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2020
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/22/2021. Training records unavailable. Please conduct emergency response and spill cleanup training and forward copies of records to inspector within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2020
Citation:	40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description:	Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes:	Returned to compliance on 03/04/2020. Not currently available in common area. Please make available and verify within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2018
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes:	Returned to compliance on 10/18/2018. The owner of the property must be given written notification of the storage of hazardous materials onsite and the availability of the HMBP. If Four Seasons leases the property, please use the template provided by the inspector (with revisions, as needed) to notify the property owner within 30 days and copy the inspector. Otherwise, within 30 days please provide a statement that Four Seasons is the property owner.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)". 4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

	waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".
Violation Notes:	Returned to compliance on 03/02/2016. Your universal waste containers(batteries & lamps) are not labeled properly. All universal waste containers must be labeled compliantly. label all containers immediately and provide verification to the County within 30 days
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 03/02/2016. Your EPA number is inactive. You must have an active EPA number. Reactivate and provide verification to the County within 30 days. DTSC Form 1358 provided
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Release/Leaks/Spills - General
Violation Notes:	Returned to compliance on 03/02/2016. Your facility has spills that I observed that have not been cleaned up. You must clean up all spills immediately upon discovery. Two areas where spills were observed: 1. Elevator mechanical room; spilled oil 2. Laundry chemical room; spills all over floor, walls and drums Additionally your dock storage closet for the pool chemicals contains chemicals incompatibly stored. This type of storage could lead to a leak or release. Clean up closet immediately Clean up these areas immediately and provide verification to the County within 30 days
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	10-29-2013
Citation:	40 CFR 1 265.177 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.177
Violation Description:	Failure to ensure incompatible waste and/or materials are not placed or stored in the same container or nearby or into an unwashed container, which previously contained incompatible waste and/or materials, so that it does not potentially result in the following: 1) Generate extreme heat or pressure, fire or explosion, or violent reaction; 2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment;

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

	3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; 4) Damage the structural integrity of the device or facility containing the waste; or 5) Through other like means threaten human health or the environment.
Violation Notes:	Returned to compliance on 01/08/2014. Pool chemicals observed store together in a closet, muriatic acid and hypochlorite solution should be segregated to prevent chlorine gas.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	10-29-2013
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 01/08/2014. Diesel fuel for backup generator not reported on HMBP
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/26/2018. HMBP must be certified annually. Last submission was September 2015. Please review and revise HMBP as needed within 30 days of receipt of new userID and password for the portal.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	09-10-2021
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/22/2021.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Citation:	22 CCR 23 66273.5 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.5
Violation Description:	Failure to properly manage mercury containing lamp bulbs which are destined for reclamation or recycling from the date the bulbs were first discarded or broken.
Violation Notes:	Returned to compliance on 03/02/2016. Your universal waste must be stored in closed containers when not actively filling them. Your batteries drums are overflowing and your lamps are stored in a box without a lid. Place all universal waste in a closed container. Provide verification to the County within 30 days
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes:	Returned to compliance on 03/02/2016. Based upon my observations of noncompliance with waste containers I believe you do not have an inspection program. You must inspect your waste areas weekly to ensure compliance. Develop a procedure for weekly inspections, maintain this program and provide verification of such a program to the County within 30 days
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2018
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 03/30/2018. Observed hazardous dry cleaner waste in a drum with start date of November 2016 and universal fluorescent tubes with a start date of February 2016. All hazardous waste must be disposed within 6 months of accumulation start date and all universal waste must be disposed within a year of accumulation start date. Please dispose of these two waste streams within the next 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Violation Date:	02-03-2016
Citation:	22 CCR 23 66273.36 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.36
Violation Description:	Failure of the universal waste handler to initially train and provide annually, thereafter, all personnel who manage or who supervise those who manage universal wastes and to maintain a written record by date indicating the names of personnel who received the information. The universal waste handler shall maintain these records for at least three years from the date the person last managed any universal waste at the facility. This training shall include: 1) The types and hazards associated with the universal waste that personnel may manage at the facility; 2) The proper disposition of universal wastes managed at the facility; 3) The proper procedures for responding to releases of universal wastes including the position titles and the means of contacting those personnel at the facility who are designated to respond to reports of releases and/or to respond to questions received from other personnel at the facility; and 4) The applicable requirements of universal waste regarding labeling, collecting, handling, consolidating, and shipping universal wastes at the facility, including, but not limited to, the prohibition on the disposal of universal wastes, and for personnel involved in shipping universal wastes who are hazmat employees .
Violation Notes:	Returned to compliance on 04/04/2016. There is no records for employees handling universal waste that they have been trained on universal waste. All employees handling universal waste must be trained to do so. Train employees and provide verification to the County within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 11/22/2021. Multiple maps submitted in CERS cover the entire area including other buildings. The map should include only the buildings included in the facility and should comply with standard requirements including showing local roads, locations of hazardous materials, north arrow, fire risers, water, gas, and other relevant shut-offs. Please submit one map with all relevant information within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

	records for a minimum of three years.
Violation Notes:	Returned to compliance on 10/16/2018. Training records not available during the inspection. Within 30 days, please provide verification of the training of all staff in emergency response and spill cleanup within the last 12 months.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2020
Citation:	22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description:	Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes:	Returned to compliance on 06/10/2022. Observed battery container with accumulation start date in 2016. Please dispose appropriately within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2018
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 03/22/2018. EPAID# has become deactivated. Please re-activate the number within 30 days. Use the materials provided by the inspector to re-activate the number and ensure electronic verification, which should enable better maintenance of the EPAID#.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2018
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Release/Leaks/Spills - General
Violation Notes:	Returned to compliance on 03/22/2018. Spills observed in the dry cleaning chemicals storage area. Please clean up these spills immediately and maintain the area spill free. Provide verification of cleanup to inspector within 7 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Violation Date:	01-31-2020
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/04/2020. Observed unlabeled 55-gal drum of drycleaner waste. Please label and provide verificatio to inspector within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	10-29-2013
Citation:	22 CCR 15 66265.33 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.33
Violation Description:	Failure of the facility to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment.
Violation Notes:	Returned to compliance on 01/08/2014. Facility had blocked eyewash station, blocked fire extinguishers throughout the kitchen and a blocked emergency gas shutoff valve.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-19-2022
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 05/02/2022. EPA ID NUMBER INACTIVE-CAL000371626 - FOUR SEASONS HOTEL SILICON VALLEY DBA DTRS PALO ALTO LLC Status:INACTIVE Facility has not completed the EVQ questionaire for 2021-22. This must be completed to reactivate the EPA ID #. No waste can be disposed of under and inactive number. ID Number: CAL000371626 Facility Name: FOUR SEASONS HOTEL SILICON VALLEY DBA DTRS PALO ALTO LLC Status: INACTIVE (expired: 6/30/2021) ID Type: PERMANENT ID Category: STATE Entity Types: GENERATOR Issued Date: 2/9/2012 Last Updated: 11/1/2021 Facility Address 2050 UNIVERSITY AVE EAST PALO ALTO, CA 94303 SAN MATEO County (37.459662, -122.142436) Mailing Address 2050 UNIVERSITY AVE EAST PALO ALTO, CA 94303 Owner DTRS PALO ALTO LLC 2050 UNIVERSITY AVE EAST PALO ALTO, CA 94303 (650) 470-2898 Contact RICHARD MCGUIRE 2050 UNIVERSITY AVE EAST PALO ALTO, CA 94303 (510) 579-9026 CalEnviroScreen 3.0 Results Census Tract: 6081612100 Hazardous Waste: 32 CES [Truncated]
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 11/22/2021. The most recent submission was February 26, 2018. Regulations require that this document be reviewed and either certified or re-submitted with revisions annually. Please address the issues identified in this inspection report and re-submit to comply with the annual certification requirement within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2020
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 02/18/2020. EPAID# is inactive. Re-activate EPAID# and verify with inspector within 14 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	10-29-2013
Citation:	22 CCR 23 66273.5 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.5
Violation Description:	Failure to properly manage mercury containing lamp bulbs which are destined for reclamation or recycling from the date the bulbs were first discarded or broken.
Violation Notes:	Returned to compliance on 01/08/2014.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes:	Returned to compliance on 04/04/2016. There is no records for employees handling hazardous waste that they have been trained on hazardous waste. All employees handling waste must be trained to do so. Train employees and provide verification to the County within 30 days.
Violation Division:	San Mateo County Environmental Health

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes:	Returned to compliance on 03/02/2016. Your facility has spills that I observed that have not been cleaned up. You must clean up all spills immediately upon discovery. Two areas where spills were observed: 1. Elevator mechanical room; spilled oil 2. Laundry chemical room; spills all over floor, walls and drums Additionally your dock storage closet for the pool chemicals contains chemicals incompatibly stored. This type of storage could lead to a leak or release. Clean up closet immediately Clean up these areas immediately and provide verification to the County within 30 days
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	10-29-2013
Citation:	19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Description:	Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 01/08/2014. 24 hour emergency response phone numbers not accurate on plan. One employee is no longer with the company.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 03/02/2016. There is no evidence of your hazardous waste being shipped off-site since August 2014. I also observed numerous waste containers (Dry cleaning waste). in the Garage storage cage unlabeled and old (based on generation rates). You must dispose of waste every 180 days. Dispose of all waste on-site immediately and provide verification to the County within 30 days
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2018
Citation:	22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description:	Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes:	Returned to compliance on 03/22/2018. See narrative for violation for hazardous waste above.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	10-29-2013
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 01/08/2014.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	01-31-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/22/2021. Federal categories not assigned to inventoried chemicals. Observed more muriatic /hydrochloric acid than listed in HMBP. Observed CO2 in kitchen and loading dock and Argon in loading dock that exceed threshold. Observed in emergency generator enclosure an unlabeled 55-gal drum of material. Please assign federal hazard categories to each inventoried chemical, revise the muriatic/hydrochloric acid volume, identify and list in the inventory the chemicals in the drum in the emergency generator enclosure as necessary, add CO2 and Argon to the inventory, and re-submit within 30 days.
Violation Division:	San Mateo County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Violation Date:	02-03-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 03/02/2016. Every waste container that I observed was incorrectly labeled or not labeled at all. All waste containers must be labeled compliantly. label all waste containers immediately and provide verification to the County within 30 days
Violation Division: San Mateo County Environmental Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-14-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Eval General Type: Other/Unknown
Eval Date: 12-15-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: approved and violations closed.
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-22-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-18-2022
Violations Found: No

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-18-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility previously utilized an on-site dry-cleaning facility however this is no longer in operation and may be permanently decommissioned. Facility primary waste stream was dry cleaning waste, and since the operations have been suspended, the facility can potentially come out of the hazardous waste program if they decide to permanently decommission this machine.
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-11-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: and followup
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-10-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Eval Date: 09-20-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: revised HMBP reviewed per violation corrections in CERS.
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: portal approvals
Eval Division: San Mateo County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 31369
Site Name: FOUR SEASONS HOTEL SILICON VALLEY
Site Address: 2050 UNIVERSITY AVE
Site City: EAST PALO ALTO
Site Zip: 94303
Enf Action Date: 10-29-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Mateo County Environmental Health
Enf Action Program: HW
Enf Action Source: CERS,

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Site ID:	31369
Site Name:	FOUR SEASONS HOTEL SILICON VALLEY
Site Address:	2050 UNIVERSITY AVE
Site City:	EAST PALO ALTO
Site Zip:	94303
Enf Action Date:	10-29-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Mateo County Environmental Health
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	31369
Facility Name:	FOUR SEASONS HOTEL SILICON VALLEY
Env Int Type Code:	HWG
Program ID:	10070101
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	37.458677
Longitude:	-122.141319

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Mateo County Environmental Health
Entity Title:	Not reported
Affiliation Address:	2000 Alameda de las Pulgas, Suite 100
Affiliation City:	San Mateo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94403
Affiliation Phone:	(650) 372-6200,

Affiliation Type Desc:	Document Preparer
Entity Name:	Richard McGuire
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Richard McGuire
Entity Title:	Not reported
Affiliation Address:	2050 University Ave
Affiliation City:	East Palo Alto
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94303
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Entity Title:	Not reported
Affiliation Address:	2050 University Ave
Affiliation City:	East Palo Alto
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94303
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	FOUR SEASONS HOTEL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(650) 470-2898,
Affiliation Type Desc:	Parent Corporation
Entity Name:	FOUR SEASONS HOTEL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	DTRS Palo Alto LLC
Entity Title:	Not reported
Affiliation Address:	2050 University Ave
Affiliation City:	East Palo Alto
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94303
Affiliation Phone:	(650) 566-1200,
Affiliation Type Desc:	Identification Signer
Entity Name:	Richard McGuire
Entity Title:	Chief Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	DTRS PALO ALTO LLC DBA FOUR SEASONS HOTEL SILICON VALLEY
Entity Title:	Not reported
Affiliation Address:	2050 University Ave
Affiliation City:	East Palo Alto
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94303
Affiliation Phone:	(650) 566-1200,

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113801236**

Name: FOUR SEASONS HOTEL SILICON VALLEY
Address: 2050 UNIVERSITY AVE
City,State,Zip: PALO ALTO, CA 94303
Site ID: 468730
CERS ID: 110054253419
CERS Description: US EPA Air Emission Inventory System (EIS)

HWTS:
Name: FOUR SEASONS HOTEL SILICON VALLEY
Address: 2050 UNIVERSITY AVE
Address 2: Not reported
City,State,Zip: PALO ALTO, CA 94303
EPA ID: CAR000280834
Inactive Date: 06/30/2020
Create Date: 03/02/2018
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 2050 UNIVERSITY AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: PALO ALTO, CA 94303
Owner Name: DTRS PALO ALTO
Owner Address: 2050 UNIVERSITY AVE
Owner Address 2: Not reported
Owner City,State,Zip: PALO ALTO, CA 94303
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: NILESH LAL
Contact Address: 2050 UNIVERSITY AVE
Contact Address 2: Not reported
City,State,Zip: PALO ALTO, CA 94303
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Inactive
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 37.460385
Longitude: -122.142186

NAICS:
EPA ID: CAR000280834
Create Date: 2018-03-02 14:46:06.620
NAICS Code: 721110
NAICS Description: Hotels (except Casino Hotels) and Motels
Issued EPA ID Date: 2018-03-02 14:46:06.60300
Inactive Date: 2020-06-30 00:00:00
Facility Name: FOUR SEASONS HOTEL SILICON VALLEY
Facility Address: 2050 UNIVERSITY AVE
Facility Address 2: Not reported
Facility City: PALO ALTO
Facility County: Not reported
Facility State: CA
Facility Zip: 94303

I65 **LA TIENDITA MARKET** **San Mateo Co. BI** **S123181867**
SSW **510 OCONNOR** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.172 mi.
909 ft. **Site 3 of 4 in cluster I**

Relative:
Higher

Actual:
29 ft.

San Mateo Co. BI:

Name:	LA TIENDITA MARKET
Address:	510 OCONNOR
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0028724
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0049949
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

I66 **LA TIENDITA MARKET** **San Mateo Co. BI** **S123182953**
SSW **510 OCONNOR** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.172 mi.
909 ft. **Site 4 of 4 in cluster I**

Relative:
Higher

Actual:
29 ft.

San Mateo Co. BI:

Name:	LA TIENDITA MARKET
Address:	510 OCONNOR
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0049775
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0068167
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

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67 **ARDMORE APARTMENTS- UNIT #36** **RCRA NonGen / NLR** **1024744471**
WSW **315 E OKEEFE STREET #36** **CAC002963848**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.209 mi.
1105 ft.

Relative:
Higher

Actual:
31 ft.

RCRA Listings:

Date Form Received by Agency:	20180529
Handler Name:	Ardmore Apartments- Unit #36
Handler Address:	315 E OKEEFE STREET #36
Handler City,State,Zip:	EAST PALO ALTO, CA 94303
EPA ID:	CAC002963848
Contact Name:	DOMINIC PASSANISI
Contact Address:	3028 THOMPSON AVENUE
Contact City,State,Zip:	ALAMEDA, CA 94501
Contact Telephone:	510-865-0462
Contact Fax:	Not reported
Contact Email:	DANELLBAGBY@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

ARDMORE APARTMENTS- UNIT #36 (Continued) **1024744471**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3028 THOMPSON AVENUE
Mailing City,State,Zip:	ALAMEDA, CA 94501
Owner Name:	Dominic Passanisi
Owner Type:	Other
Operator Name:	Dominic Passanisi
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180830
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: DOMINIC PASSANISI

ARDMORE APARTMENTS- UNIT #36 (Continued) **1024744471**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3028 THOMPSON AVENUE
Owner/Operator City,State,Zip:	ALAMEDA, CA 94501
Owner/Operator Telephone:	510-865-0462
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: DOMINIC PASSANISI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3028 THOMPSON AVENUE
Owner/Operator City,State,Zip:	ALAMEDA, CA 94501
Owner/Operator Telephone:	510-865-0462
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180529
Handler Name:	ARDMORE APARTMENTS- UNIT #36
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

68
NE
1/8-1/4
0.215 mi.
1137 ft.

COOLEY AVENUE MARKET — **San Mateo Co. BI** — **S123179247**
2235 COOLEY — **N/A**
EAST PALO ALTO, CA 94303

Relative:
Lower

Actual:
16 ft.

San Mateo Co. BI:

Name:	COOLEY AVENUE MARKET
Address:	2235 COOLEY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0000703
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0041629
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

M69
WNW
1/8-1/4
0.216 mi.
1138 ft.

OAKWOOD MARKET INC — **San Mateo Co. BI** — **S123179251**
2106 OAKWOOD — **N/A**
EAST PALO ALTO, CA 94303

Site 1 of 2 in cluster M

Relative:
Higher

Actual:
31 ft.

San Mateo Co. BI:

Name:	OAKWOOD MARKET INC
Address:	2106 OAKWOOD
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0000711
Prog Element Code:	STORMWATER ANNUAL INSPECTION FEE
Record Id:	PR0041631
Description:	STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status:	Inactive, non-billable
Program Category:	STORMWATER

L70
South
1/8-1/4
0.218 mi.
1152 ft.

FOUR SEASONS HOTEL SILICON VALLEY — **San Mateo Co. BI** — **S113758339**
2050 UNIVERSITY — **N/A**
EAST PALO ALTO, CA 94303

Site 5 of 5 in cluster L

Relative:
Higher

Actual:
29 ft.

San Mateo Co. BI:

Name:	FOUR SEASONS HOTEL SILICON VALLEY
Address:	2050 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0035723
Prog Element Code:	GENERATES and RECYCLES WASTE OIL/SOLVENT
Record Id:	PR0053260
Description:	GENERATES & RECYCLES WASTE OIL/SOLVENT
Facility Status:	Active, billable
Program Category:	HAZARDOUS WASTE PROGRAM

Name:	FOUR SEASONS HOTEL SILICON VALLEY
Address:	2050 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO

FOUR SEASONS HOTEL SILICON VALLEY (Continued) **S113758339**

Facility ID: FA0035723
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0053261
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

Name: FOUR SEASONS HOTEL SILICON VALLEY
Address: 2050 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0035723
Prog Element Code: STORES HAZ MAT <1,199GAL,9,999LB,4,799FT3
Record Id: PR0053259
Description: STORES HAZ MAT <1,199GAL,9,999LB,4,799CF
Facility Status: Active, billable
Program Category: BUSINESS PLAN PROGRAM

Name: FOUR SEASONS HOTEL SILICON VALLEY
Address: 2050 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0027499
Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
Record Id: PR0050181
Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
Facility Status: Inactive, non-billable
Program Category: STORMWATER

M71 **TREE OF LIFE HEALTH INSTITUTE** **San Mateo Co. BI** **S123180334**
WNW **2140 OAKWOOD** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.220 mi.
1161 ft. **Site 2 of 2 in cluster M**

Relative: San Mateo Co. BI:
Higher
Name: TREE OF LIFE HEALTH INSTITUTE
Actual: Address: 2140 OAKWOOD
30 ft. City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0013757
Prog Element Code: LIMITED MEDICAL WASTE HAULER EXEMPTION
Record Id: PR0010506
Description: SQG WITH TRANSPORT
Facility Status: Inactive, non-billable
Program Category: MEDICAL WASTE

N72 **COMMUNITY DAY SCHOOL** **RCRA NonGen / NLR** **1024827083**
East **763 GREEN ST** **CAL000355997**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.231 mi.
1219 ft. **Site 1 of 3 in cluster N**

Relative: **Lower**

Actual: **17 ft.**

RCRA Listings:

Date Form Received by Agency:	20100823
Handler Name:	Community Day School
Handler Address:	763 GREEN ST
Handler City,State,Zip:	EAST PALO ALTO, CA 94303-1945
EPA ID:	CAL000355997
Contact Name:	ANNETTE RICCI
Contact Address:	1090 MILLS WAY
Contact City,State,Zip:	REDWOOD CITY, CA 94063
Contact Telephone:	650-369-1411
Contact Fax:	650-306-1764
Contact Email:	ARICCI@SEQ.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1090 MILLS WAY
Mailing City,State,Zip:	REDWOOD CITY, CA 94063-0000
Owner Name:	Sequoia Union High School Dist
Owner Type:	Other
Operator Name:	Annette Ricci
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

COMMUNITY DAY SCHOOL (Continued) **1024827083**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SEQUOIA UNION HIGH SCHOOL DIST
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	480 JAMES AVE
Owner/Operator City,State,Zip:	REDWOOD CITY, CA 94062-1041
Owner/Operator Telephone:	650-369-1411
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANNETTE RICCI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1090 MILLS WAY
Owner/Operator City,State,Zip:	REDWOOD CITY, CA 94063
Owner/Operator Telephone:	650-369-1411
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100823
Handler Name:	COMMUNITY DAY SCHOOL
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

COMMUNITY DAY SCHOOL (Continued) **1024827083**

List of NAICS Codes and Descriptions:
NAICS Code: 61111
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

N73 **GRANT BLACKBURN** **RCRA NonGen / NLR** **1026717231**
East **752 CAMPHOR WAY** **CAC003105750**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.233 mi.
1231 ft. **Site 2 of 3 in cluster N**

Relative: **Lower**
Actual: **17 ft.**

RCRA Listings:

Date Form Received by Agency:	20210216
Handler Name:	Grant Blackburn
Handler Address:	752 CAMPHOR WAY
Handler City,State,Zip:	EAST PALO ALTO, CA 94303
EPA ID:	CAC003105750
Contact Name:	GRANT BLACKBURN
Contact Address:	752 CAMPHOR WAY
Contact City,State,Zip:	EAST PALO ALTO, CA 94303
Contact Telephone:	408-691-4195
Contact Fax:	Not reported
Contact Email:	GISELLE.ESPIRITU@SYNERGYCOMPANIES.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	752 CAMPHOR WAY
Mailing City,State,Zip:	EAST PALO ALTO, CA 94303
Owner Name:	Grant Blackburn
Owner Type:	Other
Operator Name:	Grant Blackburn
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

GRANT BLACKBURN (Continued) **1026717231**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GRANT BLACKBURN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	752 CAMPHOR WAY
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303
Owner/Operator Telephone:	408-691-4195
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: GRANT BLACKBURN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	752 CAMPHOR WAY
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303
Owner/Operator Telephone:	408-691-4195
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

GRANT BLACKBURN (Continued) **1026717231**

Historic Generators:
- Receive Date: 20210216
- Handler Name: GRANT BLACKBURN
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

O74 **UNIVERSITY CIRCLE INVESTORS** **San Mateo Co. BI** **S113757610**
South **2000 UNIVERSITY** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.235 mi.
1240 ft. **Site 1 of 6 in cluster O**

Relative: Higher

Actual: 31 ft.

San Mateo Co. BI:
- Name: UNIVERSITY CIRCLE INVESTORS
- Address: 2000 UNIVERSITY
- City,State,Zip: EAST PALO ALTO, CA 94303
- Region: SAN MATEO
- Facility ID: FA0026993
- Prog Element Code: STORMWATER ANNUAL INSPECTION FEE
- Record Id: PR0041189
- Description: STORMWATER ANNUAL FEE - INSP FREQ EVERY 2 YRS
- Facility Status: Inactive, non-billable
- Program Category: STORMWATER

- Name: UNIVERSITY CIRCLE INVESTORS
- Address: 2000 UNIVERSITY
- City,State,Zip: EAST PALO ALTO, CA 94303
- Region: SAN MATEO
- Facility ID: FA0026993
- Prog Element Code: STORES MV FUELS OR WASTE ONLY
- Record Id: PR0041187
- Description: STORES MV FUELS OR WASTE ONLY
- Facility Status: Inactive, non-billable
- Program Category: BUSINESS PLAN PROGRAM

O75
South
1/8-1/4
0.238 mi.
1255 ft.

UNIVERSITY ARCO #749
1998 UNIVERSITY AVE
EAST PALO ALTO, CA 94303

Site 2 of 6 in cluster O

SWEEPS UST **S106826161**
N/A

Relative:
Higher

Actual:
31 ft.

SWEEPS UST:

Name:	UNIVERSITY ARCO #749
Address:	1998 UNIVERSITY AVE
City:	EAST PALO ALTO
Status:	Not reported
Comp Number:	890009
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	41-000-890009-000006
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REGULAR UNLE
Number Of Tanks:	5

Name:	UNIVERSITY ARCO #749
Address:	1998 UNIVERSITY AVE
City:	EAST PALO ALTO
Status:	Not reported
Comp Number:	890009
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	41-000-890009-000007
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REGULAR UNLE
Number Of Tanks:	Not reported

Name:	UNIVERSITY ARCO #749
Address:	1998 UNIVERSITY AVE
City:	EAST PALO ALTO
Status:	Not reported
Comp Number:	890009
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	41-000-890009-000008

UNIVERSITY ARCO #749 (Continued) **S106826161**

Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REGULAR UNLE
Number Of Tanks: Not reported

Name: UNIVERSITY ARCO #749
Address: 1998 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Not reported
Comp Number: 890009
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 41-000-890009-000009
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REGULAR UNLE
Number Of Tanks: Not reported

Name: UNIVERSITY ARCO #749
Address: 1998 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Not reported
Comp Number: 890009
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 41-000-890009-000010
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Name: UNIVERSITY ARCO #749
Address: 1998 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890009
Number: 2
Board Of Equalization: Not reported
Referral Date: 11-08-93
Action Date: 11-08-93

UNIVERSITY ARCO #749 (Continued) **S106826161**

Created Date: 10-13-88
Owner Tank Id: 1
SWRCB Tank Id: 41-000-890009-000001
Tank Status: A
Capacity: 6000
Active Date: 05-21-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 5

Name: UNIVERSITY ARCO #749
Address: 1998 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890009
Number: 2
Board Of Equalization: Not reported
Referral Date: 11-08-93
Action Date: 11-08-93
Created Date: 10-13-88
Owner Tank Id: 2
SWRCB Tank Id: 41-000-890009-000002
Tank Status: A
Capacity: 6000
Active Date: 05-21-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNIVERSITY ARCO #749
Address: 1998 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890009
Number: 2
Board Of Equalization: Not reported
Referral Date: 11-08-93
Action Date: 11-08-93
Created Date: 10-13-88
Owner Tank Id: 3
SWRCB Tank Id: 41-000-890009-000003
Tank Status: A
Capacity: 6000
Active Date: 05-21-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNIVERSITY ARCO #749
Address: 1998 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890009
Number: 2

UNIVERSITY ARCO #749 (Continued) **S106826161**

Board Of Equalization:	Not reported
Referral Date:	11-08-93
Action Date:	11-08-93
Created Date:	10-13-88
Owner Tank Id:	4
SWRCB Tank Id:	41-000-890009-000004
Tank Status:	A
Capacity:	6000
Active Date:	05-21-91
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Name:	UNIVERSITY ARCO #749
Address:	1998 UNIVERSITY AVE
City:	EAST PALO ALTO
Status:	Active
Comp Number:	890009
Number:	2
Board Of Equalization:	Not reported
Referral Date:	11-08-93
Action Date:	11-08-93
Created Date:	10-13-88
Owner Tank Id:	5
SWRCB Tank Id:	41-000-890009-000005
Tank Status:	A
Capacity:	500
Active Date:	05-21-91
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

O76 **ARCO** **LUST** **S101303086**
South **1998 UNIVERSITY** **Cortese** **N/A**
1/8-1/4 **EAST PALO ALTO, CA 94303** **HIST CORTESE**
0.238 mi. **CERS**
1255 ft. **Site 3 of 6 in cluster O**

Relative: **Higher**

Actual: **31 ft.**

SAN MATEO CO. LUST:

Name:	ARCO #749
Address:	1998 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA
Region:	SAN MATEO
Facility ID:	890003
Facility Status:	9- Case Closed
Global ID:	T0608100031
APN Number:	Not reported
Case Type:	EAST PALO ALTO, CA
EDR Link ID:	EAST PALO ALTO, CA

LUST:

Name:	ARCO #0749
Address:	1998 UNIVERSITY AVENUE
City,State,Zip:	EAST PALO ALTO, CA 94303
Lead Agency:	SAN MATEO COUNTY LOP

ARCO (Continued) **S101303086**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608100031
Global Id:	T0608100031
Latitude:	37.4597833825904
Longitude:	-122.140545367459
Status:	Completed - Case Closed
Status Date:	09/25/2000
Case Worker:	Not reported
RB Case Number:	41-0032
Local Agency:	Not reported
File Location:	Local Agency Warehouse
Local Case Number:	890003
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	04/01/1988
Leak Reported Date:	02/16/1989
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	09/25/2000
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	71-75%
CA Enviroscreen 4 Score:	60-65%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

LUST:

Global Id:	T0608100031
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608100031
Contact Type:	Regional Board Caseworker
Contact Name:	UUU
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

ARCO (Continued) **S101303086**

Global Id: T0608100031
Action Type: RESPONSE
Date: 11/01/2006
Action: Other Report / Document

Global Id: T0608100031
Action Type: ENFORCEMENT
Date: 02/16/1989
Action: Notice of Responsibility - #1

Global Id: T0608100031
Action Type: Other
Date: 02/16/1989
Action: Leak Reported

Global Id: T0608100031
Action Type: REMEDIATION
Date: 09/13/1994
Action: Excavation

Global Id: T0608100031
Action Type: REMEDIATION
Date: 09/13/1994
Action: Excavation

Global Id: T0608100031
Action Type: REMEDIATION
Date: 09/13/1994
Action: Pump & Treat (P&T) Groundwater

Global Id: T0608100031
Action Type: REMEDIATION
Date: 09/13/1994
Action: Other (Use Description Field)

Global Id: T0608100031
Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100031
Action Type: Other
Date: 04/01/1988
Action: Leak Discovery

LUST:
Global Id: T0608100031
Status: Open - Case Begin Date
Status Date: 04/01/1988

Global Id: T0608100031
Status: Completed - Case Closed
Status Date: 09/25/2000

CORTESE:

ARCO (Continued) **S101303086**

Name:	ARCO #0749
Address:	1998 UNIVERSITY AVENUE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608100031
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ARCO
edr_fadd1:	1998 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Facility County Code:	41
Reg By:	LTNKA
Reg Id:	41-0032

CERS:

Name:	ARCO #0749
Address:	1998 UNIVERSITY AVENUE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	634689
CERS ID:	T0608100031
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400

ARCO (Continued) **S101303086**

Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

O77 **ARCO #749** **LUST** **S104493667**
South **1998 UNIVERSITY** **San Mateo Co. BI** **N/A**
1/8-1/4 **E PALO ALTO, CA 94303**
0.238 mi.
1255 ft. **Site 4 of 6 in cluster O**

Relative:
Higher

Actual:
31 ft.

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 890003
How Discovered: OM
Leak Cause: Unknown
Leak Source: Unknown
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

San Mateo Co. BI:
Name: UNIVERSITY ARCO
Address: 1998 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0018342
Prog Element Code: UNDERGROUND TANK - GENERAL
Record Id: PR0025693
Description: UNDERGROUND TANK - GENERAL
Facility Status: Inactive, non-billable
Program Category: UNDERGROUND TANK PROGRAM

Name: UNIVERSITY CIRCLE INVESTORS
Address: 1998 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: SAN MATEO
Facility ID: FA0026843
Prog Element Code: UNDERGROUND TANK - GENERAL
Record Id: PR0039813
Description: UNDERGROUND TANK - GENERAL
Facility Status: Inactive, non-billable
Program Category: UNDERGROUND TANK PROGRAM

O78 **NASSER DIN ROOHI** **HIST UST** **U001595883**
South **1998 UNIVERSITY AVE** **N/A**
1/8-1/4 **PALO ALTO, CA 94303**
0.238 mi.
1255 ft. **Site 5 of 6 in cluster O**

Relative: **Higher**

Actual: **31 ft.**

HIST UST:

Name:	NASSER DIN ROOHI
Address:	1998 UNIVERSITY AVE
City,State,Zip:	PALO ALTO, CA 94303
File Number:	0002cdf8
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002cdf8.pdf
Region:	STATE
Facility ID:	00000026961
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	0000000000
Owner Name:	ARCO PETROLEUM PRODUCTS CO.
Owner Address:	515 SOUTH FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90071
Total Tanks:	0005
Tank Num:	001
Container Num:	0000000001
Year Installed:	1969
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10
Tank Num:	001
Container Num:	0000000001
Year Installed:	1969
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	0000000002
Year Installed:	1969
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	0000000002
Year Installed:	1969
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10

NASSER DIN ROOHI (Continued) **U001595883**

Tank Num:	003
Container Num:	0000000003
Year Installed:	1969
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10

Tank Num:	003
Container Num:	0000000003
Year Installed:	1969
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10

Tank Num:	004
Container Num:	0000000004
Year Installed:	1969
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10

Tank Num:	004
Container Num:	0000000004
Year Installed:	1969
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10

Tank Num:	005
Container Num:	0000000005
Year Installed:	1969
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	0000093
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	0000000005
Year Installed:	1969
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	0000093
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

O79 **NASSER DIN ROOHI** **SWEEPS UST** **S101623402**
South **1998 UNIVERSITY AVE** **CA FID UST** **N/A**
1/8-1/4 **PALO ALTO, CA 94303**
0.238 mi.
1255 ft. **Site 6 of 6 in cluster O**

Relative:
Higher

Actual:
31 ft.

SWEEPS UST:

Name:	NASSER DIN ROOHI
Address:	1998 UNIVERSITY AVE
City:	PALO ALTO
Status:	Active
Comp Number:	26961
Number:	9
Board Of Equalization:	44-000506
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	43-006-026961-000001
Tank Status:	A
Capacity:	6000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	5

Name:	NASSER DIN ROOHI
Address:	1998 UNIVERSITY AVE
City:	PALO ALTO
Status:	Active
Comp Number:	26961
Number:	9
Board Of Equalization:	44-000506
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	2
SWRCB Tank Id:	43-006-026961-000002
Tank Status:	A
Capacity:	6000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	NASSER DIN ROOHI
Address:	1998 UNIVERSITY AVE
City:	PALO ALTO
Status:	Active
Comp Number:	26961
Number:	9
Board Of Equalization:	44-000506
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	3
SWRCB Tank Id:	43-006-026961-000003

NASSER DIN ROOHI (Continued) **S101623402**

Tank Status: A
Capacity: 6000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: NASSER DIN ROOHI
Address: 1998 UNIVERSITY AVE
City: PALO ALTO
Status: Active
Comp Number: 26961
Number: 9
Board Of Equalization: 44-000506
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 43-006-026961-000004
Tank Status: A
Capacity: 6000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: NASSER DIN ROOHI
Address: 1998 UNIVERSITY AVE
City: PALO ALTO
Status: Active
Comp Number: 26961
Number: 9
Board Of Equalization: 44-000506
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 43-006-026961-000005
Tank Status: A
Capacity: 500
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 43008436
Regulated By: UTNKA
Regulated ID: 00026961
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 1998 UNIVERSITY AVE

NASSER DIN ROOHI (Continued) **S101623402**

Mailing Address 2: Not reported
Mailing City,St,Zip: PALO ALTO 94303
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

P80 **MANUEL PUEBLA** **RCRA NonGen / NLR** **1026719413**
West **2081 OAKWOOD DR.** **CAC003108056**
1/8-1/4 **EAST PALO ALTO, CA 94303**
0.244 mi.
1287 ft. **Site 1 of 2 in cluster P**

Relative: **Higher**

Actual: **33 ft.**

RCRA Listings:

Date Form Received by Agency:	20210302
Handler Name:	Manuel Puebla
Handler Address:	2081 OAKWOOD DR.
Handler City,State,Zip:	EAST PALO ALTO, CA 94303-1826
EPA ID:	CAC003108056
Contact Name:	DEBBIE PUEBLA
Contact Address:	2081 OAKWOOD DR.
Contact City,State,Zip:	EAST PALO ALTO, CA 94303-1826
Contact Telephone:	818-406-4086
Contact Fax:	Not reported
Contact Email:	ROBERT@8884ABATEMENT.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2081 OAKWOOD DR.
Mailing City,State,Zip:	EAST PALO ALTO, CA 94303-1826
Owner Name:	Manuel Puebla
Owner Type:	Other
Operator Name:	Debbie Puebla
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---

MANUEL PUEBLA (Continued) **1026719413**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210312
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DEBBIE PUEBLA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2081 OAKWOOD DR.
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303-1826
Owner/Operator Telephone:	818-406-4086
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: MANUEL PUEBLA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2081 OAKWOOD DR.
Owner/Operator City,State,Zip:	EAST PALO ALTO, CA 94303-1826
Owner/Operator Telephone:	818-406-4086
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210302
Handler Name: MANUEL PUEBLA	

MANUEL PUEBLA (Continued) **1026719413**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

P81 **CHEW, JEREMY** **RCRA NonGen / NLR** **1027450023**
West **2081 OAKWOOD DRIVE** **CAC003187847**
1/8-1/4 **E PALO ALTO, CA 94303**
0.244 mi.
1287 ft. **Site 2 of 2 in cluster P**

Relative:
Higher

Actual:
33 ft.

RCRA Listings:

Date Form Received by Agency:	20220801
Handler Name:	Chew, Jeremy
Handler Address:	2081 OAKWOOD DRIVE
Handler City,State,Zip:	E PALO ALTO, CA 94303
EPA ID:	CAC003187847
Contact Name:	CHEW, JEREMY
Contact Address:	2081 OAKWOOD DRIVE
Contact City,State,Zip:	E PALO ALTO, CA 94303
Contact Telephone:	646-831-1077
Contact Fax:	510-651-7702
Contact Email:	MICKIEL@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2081 OAKWOOD DRIVE
Mailing City,State,Zip:	E PALO ALTO, CA 94303
Owner Name:	Chew, Jeremy
Owner Type:	Other
Operator Name:	Chew, Jeremy
Operator Type:	Other

CHEW, JEREMY (Continued) **1027450023**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220803
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHEW, JEREMY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2081 OAKWOOD DRIVE
Owner/Operator City,State,Zip:	E PALO ALTO, CA 94303
Owner/Operator Telephone:	646-831-1077
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHEW, JEREMY	

CHEW, JEREMY (Continued) **1027450023**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2081 OAKWOOD DRIVE
Owner/Operator City,State,Zip:	E PALO ALTO, CA 94303
Owner/Operator Telephone:	646-831-1077
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220801
Handler Name: CHEW, JEREMY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

82
WSW
1/8-1/4
0.245 mi.
1296 ft.

PROPERTY AT
284 DONOHOE
EAST PALO ALTO, CA 94306

SWEEPS UST **S106929072**
San Mateo Co. BI **N/A**

Relative:
Higher

Actual:
33 ft.

SWEEPS UST:

Name:	MARIE BRUGATO/EXECUTRIX - OLGA HAARALA
Address:	284 DONOHOE
City:	EAST PALO ALTO
Status:	Not reported
Comp Number:	890031
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	41-000-890031-000001
Tank Status:	Not reported
Capacity:	550

PROPERTY AT (Continued) **S106929072**

Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: LEADED GASOL
Number Of Tanks: 1

San Mateo Co. BI:
Name: PROPERTY AT
Address: 284 DONOHOE
City,State,Zip: EAST PALO ALTO, CA 94306
Region: SAN MATEO
Facility ID: FA0016065
Prog Element Code: UNDERGROUND TANK - GENERAL
Record Id: PR0022990
Description: UNDERGROUND TANK - GENERAL
Facility Status: Inactive, non-billable
Program Category: UNDERGROUND TANK PROGRAM

N83 **EAST PALO ALTO - GREEN STREET 794** **US BROWNFIELDS** **1024008518**
East **794 GREEN ST.** **FINDS** **N/A**
1/4-1/2 **PALO ALTO, CA 94303**
0.257 mi.
1357 ft. **Site 3 of 3 in cluster N**

Relative: **Lower**
Actual: **17 ft.**

US BROWNFIELDS:
Name: EAST PALO ALTO - GREEN STREET 794
Address: 794 GREEN ST.
Recipient name: R9 TBA - California (STAG Funded)
Grant type: TBA
Region: 9
Property Number: Not reported
Parcel size: 0.25
Latitude: 37.4640676
Longitude: -122.1375431
HCM Label: Not reported
Map Scale: Not reported
Point of Reference: Not reported
Highlights: The Site is a lot covering one acre in a residential neighborhood with two structures, a residential building and a shed. Single family homes, a church and a greenhouse surround the Site. The Phase I site assessment found no listing of the Site on any of the federal or state regulatory databases. Several offsite properties located in the vicinity were listed on the federal and/or state regulatory databases but were not considered to be recognized environmental conditions (RECs). The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. Former Use: There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.
Datum: Not reported
Acres Property ID: 225141
IC Data Access: Not reported

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	65123
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	n/a
Start Date:	10/20/2014
Ownership Entity:	Private
Completion Date:	9/30/2016
Current Owner:	Apostolic Assembly of Faith
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Lead Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Soil
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	0.25
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

implications for the resident caretaker and two children who currently reside on the Site.

Below Poverty Number:	1919
Below Poverty Percent:	22.09
Meidan Income:	16461
Meidan Income Number:	4241
Meidan Income Percent:	48.81
Vacant Housing Number:	177
Vacant Housing Percent:	7.81
Unemployed Number:	480
Unemployed Percent:	5.52

Name:	EAST PALO ALTO - GREEN STREET 794
Address:	794 GREEN ST.
Recipient name:	R9 TBA - California (STAG Funded)
Grant type:	TBA
Region:	9
Property Number:	Not reported
Parcel size:	0.25
Latitude:	37.4640676
Longitude:	-122.1375431
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	The Site is a lot covering one acre in a residential neighborhood with two structures, a residential building and a shed. Single family homes, a church and a greenhouse surround the Site. The Phase I site assessment found no listing of the Site on any of the federal or state regulatory databases. Several offsite properties located in the vicinity were listed on the federal and/or state regulatory databases but were not considered to be recognized environmental conditions (RECs). The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. Former Use: There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.
Datum:	Not reported
Acres Property ID:	225141
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	n/a
Start Date:	Not reported
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	Apostolic Assembly of Faith
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Lead Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Soil
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	0.25
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.
Below Poverty Number:	1919
Below Poverty Percent:	22.09
Meidan Income:	16461
Meidan Income Number:	4241
Meidan Income Percent:	48.81
Vacant Housing Number:	177
Vacant Housing Percent:	7.81
Unemployed Number:	480
Unemployed Percent:	5.52

Name: EAST PALO ALTO - GREEN STREET 794

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

Address:	794 GREEN ST.
Recipient name:	R9 TBA - California (STAG Funded)
Grant type:	TBA
Region:	9
Property Number:	Not reported
Parcel size:	0.25
Latitude:	37.4640676
Longitude:	-122.1375431
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	The Site is a lot covering one acre in a residential neighborhood with two structures, a residential building and a shed. Single family homes, a church and a greenhouse surround the Site. The Phase I site assessment found no listing of the Site on any of the federal or state regulatory databases. Several offsite properties located in the vicinity were listed on the federal and/or state regulatory databases but were not considered to be recognized environmental conditions (RECs). The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. Former Use: There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.
Datum:	Not reported
Acres Property ID:	225141
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	10000
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	10/20/2014
Ownership Entity:	Private
Completion Date:	9/30/2016
Current Owner:	Apostolic Assembly of Faith
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Lead Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Soil
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	0.25
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.
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Meidan Income:	16461
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Name:	EAST PALO ALTO - GREEN STREET 794
Address:	794 GREEN ST.
Recipient name:	R9 TBA - California (STAG Funded)
Grant type:	TBA
Region:	9
Property Number:	Not reported
Parcel size:	0.25
Latitude:	37.4640676
Longitude:	-122.1375431
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	The Site is a lot covering one acre in a residential neighborhood with two structures, a residential building and a shed. Single family

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

homes, a church and a greenhouse surround the Site. The Phase I site assessment found no listing of the Site on any of the federal or state regulatory databases. Several offsite properties located in the vicinity were listed on the federal and/or state regulatory databases but were not considered to be recognized environmental conditions (RECs). The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. Former Use: There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.

Datum:	Not reported
Acres Property ID:	225141
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	10000
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	10/20/2014
Ownership Entity:	Private
Completion Date:	9/30/2016
Current Owner:	Apostolic Assembly of Faith
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Lead Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Soil

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	0.25
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.
Below Poverty Number:	1919
Below Poverty Percent:	22.09
Meidan Income:	16461
Meidan Income Number:	4241
Meidan Income Percent:	48.81
Vacant Housing Number:	177
Vacant Housing Percent:	7.81
Unemployed Number:	480
Unemployed Percent:	5.52

Name:	EAST PALO ALTO - GREEN STREET 794
Address:	794 GREEN ST.
Recipient name:	R9 TBA - California (STAG Funded)
Grant type:	TBA
Region:	9
Property Number:	Not reported
Parcel size:	0.25
Latitude:	37.4640676
Longitude:	-122.1375431
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	The Site is a lot covering one acre in a residential neighborhood with two structures, a residential building and a shed. Single family homes, a church and a greenhouse surround the Site. The Phase I site assessment found no listing of the Site on any of the federal or state regulatory databases. Several offsite properties located in the vicinity were listed on the federal and/or state regulatory databases but were not considered to be recognized environmental conditions (RECs). The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. Former Use: There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin.

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

	The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.
Datum:	Not reported
Acres Property ID:	225141
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	65123
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	n/a
Start Date:	10/20/2014
Ownership Entity:	Private
Completion Date:	9/30/2016
Current Owner:	Apostolic Assembly of Faith
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Lead Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Soil
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	0.25
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported

EAST PALO ALTO - GREEN STREET 794 (Continued) **1024008518**

Property Description: There is a site history of agricultural land use and more recently use of Site for vehicle storage. The proposed reuse of this Site is as a day care facility or early childhood education program. Cleanup of the Site will be required to a residential standard before planned reuse/redevelopment can begin. The findings of this TBA may also have implications for the resident caretaker and two children who currently reside on the Site.
Below Poverty Number: 1919
Below Poverty Percent: 22.09
Meidan Income: 16461
Meidan Income Number: 4241
Meidan Income Percent: 48.81
Vacant Housing Number: 177
Vacant Housing Percent: 7.81
Unemployed Number: 480
Unemployed Percent: 5.52

FINDS:
Registry ID: 110070106108

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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84 **755 SCHEMBRI LANE** **ENVIROSTOR S123133187**
NE **755 SCHEMBRI LANE** **VCP N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303**
0.295 mi.
1560 ft.

Relative: **Lower**
Actual: **16 ft.**

ENVIROSTOR:
Name: 755 SCHEMBRI LANE
Address: 755 SCHEMBRI LANE
City,State,Zip: EAST PALO ALTO, CA 94303
Facility ID: 60002708
Status: No Further Action
Status Date: 10/23/2018
Site Code: 202197
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 1.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Nicole Yuen
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 21
Senate: 13
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party

755 SCHEMBRI LANE (Continued) **S123133187**

Latitude: 37.46751
Longitude: -122.1376
APN: 063-361-260, 063-361-400, 063361260, 063361400
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS
Potential COC: Chlordane DDE DDT Dieldrin
Confirmed COC: 30 004 300 073 000 800 000
Potential Description: SOIL
Alias Name: 063-361-260
Alias Type: APN
Alias Name: 063-361-400
Alias Type: APN
Alias Name: 063361260
Alias Type: APN
Alias Name: 063361400
Alias Type: APN
Alias Name: 202197
Alias Type: Project Code (Site Code)
Alias Name: 60002708
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/23/2018
Comments: Organochlorine pesticides from past agricultural use were detected in shallow soil samples collected at the Site. Arsenic, dieldrin, DDE/DDT, chlordane, and beta-BHC were the only contaminants detected at concentrations above the applicable residential DTSC screening levels and the USEPA Regional Screening Levels. Arsenic concentrations were consistent with naturally-occurring background concentrations in Santa Clara County. Soil with contaminant concentrations above residential screening levels were excavated from the Site. This work was conducted without DTSC oversight and summarized in the report reviewed by DTSC. DTSC concludes that no further action is required at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 08/17/2018
Comments: Request for Agency Oversight Application submitted by the Site owner to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/17/2018
Comments: This letter provides notification to the project proponent that DTSC was determined to be the appropriate lead agency for oversight of this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 10/03/2018
Comments: Voluntary Oversight Agreement between DTSC and the Richard and Susan Jacobsen Family Trust. DTSC will review the submitted data to

755 SCHEMBRI LANE (Continued) **S123133187**

determine if remediation conducted without DTSC oversight fully addressed hazardous substances on the Site that may pose a significant risk to human health and the environment.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: 755 SCHEMBRI LANE
Address: 755 SCHEMBRI LANE
City,State,Zip: EAST PALO ALTO, CA 94303
Facility ID: 60002708
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Nicole Yuen
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Site Code: 202197
Assembly: 21
Senate: 13
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: No Further Action
Status Date: 10/23/2018
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.46751 / -122.1376
APN: 063-361-260, 063-361-400, 063361260, 063361400
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS
Potential COC: 30004, 30007, 30008, 30207
Confirmed COC: 30,004,300,073,000,800,000
Potential Description: SOIL
Alias Name: 063-361-260
Alias Type: APN
Alias Name: 063-361-400
Alias Type: APN
Alias Name: 063361260
Alias Type: APN
Alias Name: 063361400
Alias Type: APN
Alias Name: 202197
Alias Type: Project Code (Site Code)
Alias Name: 60002708
Alias Type: Envirostor ID Number

755 SCHEMBRI LANE (Continued) **S123133187**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/23/2018
Comments:	Organochlorine pesticides from past agricultural use were detected in shallow soil samples collected at the Site. Arsenic, dieldrin, DDE/DDT, chlordane, and beta-BHC were the only contaminants detected at concentrations above the applicable residential DTSC screening levels and the USEPA Regional Screening Levels. Arsenic concentrations were consistent with naturally-occurring background concentrations in Santa Clara County. Soil with contaminant concentrations above residential screening levels were excavated from the Site. This work was conducted without DTSC oversight and summarized in the report reviewed by DTSC. DTSC concludes that no further action is required at the Site.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	08/17/2018
Comments:	Request for Agency Oversight Application submitted by the Site owner to DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/17/2018
Comments:	This letter provides notification to the project proponent that DTSC was determined to be the appropriate lead agency for oversight of this project.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	10/03/2018
Comments:	Voluntary Oversight Agreement between DTSC and the Richard and Susan Jacobsen Family Trust. DTSC will review the submitted data to determine if remediation conducted without DTSC oversight fully addressed hazardous substances on the Site that may pose a significant risk to human health and the environment.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Q85
South
1/4-1/2
0.314 mi.
1658 ft.

Relative:
Higher

Actual:
26 ft.

UNOCAL #2862
1901 UNIVERSITY
EAST PALO ALTO, CA 94303

Site 1 of 2 in cluster Q

LUST **1000167099**
SWEEPS UST **N/A**
HIST UST
San Mateo Co. BI
Cortese
HIST CORTESE
CERS

SAN MATEO CO. LUST:

Name:	UNOCAL #2862
Address:	1901 MANHATTAN AVE
City,State,Zip:	EAST PALO ALTO, CA
Region:	SAN MATEO
Facility ID:	890005
Facility Status:	9- Case Closed
Global ID:	T0608100576
APN Number:	063473200
Case Type:	EAST PALO ALTO, CA
EDR Link ID:	EAST PALO ALTO, CA

LUST:

Name:	UNOCAL #2862
Address:	1901 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Lead Agency:	SAN MATEO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608100576
Global Id:	T0608100576
Latitude:	37.4582361258089
Longitude:	-122.141865226389
Status:	Completed - Case Closed
Status Date:	08/31/1993
Case Worker:	Not reported
RB Case Number:	41-0604
Local Agency:	Not reported
File Location:	Local Agency Warehouse
Local Case Number:	890005
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	02/02/1990
Leak Reported Date:	02/02/1990
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	08/31/1993
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	71-75%
CA Enviroscreen 4 Score:	60-65%
Military DOD Site:	No
Facility Project Subtype:	Not reported

UNOCAL #2862 (Continued) **1000167099**

RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Site History: Not reported

LUST:
Global Id: T0608100576
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0608100576
Contact Type: Regional Board Caseworker
Contact Name: UUU
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0608100576
Action Type: RESPONSE
Date: 09/09/1997
Action: Correspondence

Global Id: T0608100576
Action Type: RESPONSE
Date: 06/19/1993
Action: Soil and Water Investigation Report

Global Id: T0608100576
Action Type: ENFORCEMENT
Date: 02/05/1990
Action: Notice of Responsibility - #1

Global Id: T0608100576
Action Type: Other
Date: 02/02/1990
Action: Leak Reported

Global Id: T0608100576
Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

LUST:
Global Id: T0608100576
Status: Open - Case Begin Date
Status Date: 02/02/1990

Global Id: T0608100576
Status: Completed - Case Closed
Status Date: 08/31/1993

UNOCAL #2862 (Continued) **1000167099**

LUST REG 2:
Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 890005
How Discovered: OM
Leak Cause: Unknown
Leak Source: Unknown
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:
Name: UNION OIL SERVICE STATION 2862
Address: 1901 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Not reported
Comp Number: 890010
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 41-000-890010-000004
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 3

Name: UNION OIL SERVICE STATION 2862
Address: 1901 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Not reported
Comp Number: 890010
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 41-000-890010-000005
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED

UNOCAL #2862 (Continued) **1000167099**

Number Of Tanks: Not reported

Name: UNION OIL SERVICE STATION 2862
Address: 1901 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Not reported
Comp Number: 890010
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 41-000-890010-000006
Tank Status: Not reported
Capacity: 280
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Name: UNION OIL SERVICE STATION 2862
Address: 1901 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890010
Number: 9
Board Of Equalization: Not reported
Referral Date: 11-08-93
Action Date: 11-08-93
Created Date: 10-13-88
Owner Tank Id: 2862-RU-1
SWRCB Tank Id: 41-000-890010-000001
Tank Status: A
Capacity: 10000
Active Date: 07-06-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: UNION OIL SERVICE STATION 2862
Address: 1901 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890010
Number: 9
Board Of Equalization: Not reported
Referral Date: 11-08-93
Action Date: 11-08-93
Created Date: 10-13-88
Owner Tank Id: 2862-RU-1
SWRCB Tank Id: 41-000-890010-000002
Tank Status: A
Capacity: 10000
Active Date: 07-06-92

UNOCAL #2862 (Continued) **1000167099**

Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNION OIL SERVICE STATION 2862
Address: 1901 UNIVERSITY AVE
City: EAST PALO ALTO
Status: Active
Comp Number: 890010
Number: 9
Board Of Equalization: Not reported
Referral Date: 11-08-93
Action Date: 11-08-93
Created Date: 10-13-88
Owner Tank Id: 2862-WO-1
SWRCB Tank Id: 41-000-890010-000003
Tank Status: A
Capacity: 280
Active Date: 07-06-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:
Name: UNION OIL SS 2862
Address: 1901 UNIVERSITY AVE
City,State,Zip: EAST PALO ALTO, CA 94303
File Number: 0002c3f4
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002c3f4.pdf
Region: STATE
Facility ID: 00000031714
Facility Type: Gas Station
Other Type: Not reported
Contact Name: A.O.T. INC.
Telephone: 4153221659
Owner Name: UNION OIL CO.
Owner Address: 1 CALIFORNIA ST. SUITE 2700
Owner City,St,Zip: SAN FRANCISCO, CA 94111
Total Tanks: 0003

Tank Num: 001
Container Num: 2862-1-1
Year Installed: 1965
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 001
Container Num: 2862-1-1
Year Installed: 1965
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

UNOCAL #2862 (Continued) **1000167099**

Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 2862-2-1
Year Installed: 1965
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 2862-2-1
Year Installed: 1965
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 2862-4-1
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 2862-4-1
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 1
Year Installed: 1965
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 004
Container Num: 1
Year Installed: 1965
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

UNOCAL #2862 (Continued) **1000167099**

Click here for Geo Tracker PDF:

San Mateo Co. BI:

Name:	UNOCAL SERVICE STATION 2862
Address:	1901 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0018326
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0025694
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Inactive, non-billable
Program Category:	UNDERGROUND TANK PROGRAM

CORTESE:

Name:	UNOCAL #2862
Address:	1901 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608100576
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	UNOCAL
edr_fadd1:	1901 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA
Region:	CORTESE
Facility County Code:	41
Reg By:	LTNKA
Reg Id:	41-0604

CERS:

Name:	UNOCAL #2862
Address:	1901 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	693578
CERS ID:	T0608100576

UNOCAL #2862 (Continued) **1000167099**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Q86 **UNOCAL** **HIST CORTESE** **S104660370**
South **1901 UNIVERSITY** **N/A**
1/4-1/2 **PALO ALTO, CA**
0.314 mi.
1658 ft. **Site 2 of 2 in cluster Q**

Relative:
Higher

Actual:
26 ft.

HIST CORTESE:
edr_fname: UNOCAL
edr_fadd1: 1901 UNIVERSITY
City,State,Zip: PALO ALTO, CA
Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 43-1578

---

87 **O'CONNOR SCHOOL SITE** **ENVIROSTOR** **S115779977**
SW **275 ELLIOTT DRIVE** **SCH** **N/A**
1/4-1/2 **MENLO PARK, CA 94025** **HAZNET**
0.364 mi. **NPDES**
1920 ft. **CIWQS**
HWTS

Relative:
Higher

Actual:
39 ft.

ENVIROSTOR:
Name: O'CONNOR SCHOOL SITE
Address: 275 ELLIOTT DRIVE
City,State,Zip: MENLO PARK, CA 94025
Facility ID: 60001979
Status: Active
Status Date: 02/21/2014
Site Code: 204261
Site Type: School Cleanup
Site Type Detailed: School
Acres: 6

O'CONNOR SCHOOL SITE (Continued) **S115779977**

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Jose Salcedo
Division Branch: Cleanup Legacy Landfills
Assembly: 23
Senate: 13
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 37.45961
Longitude: -122.1484
APN: 063-430-310-1, 063430310
Past Use: AGRICULTURAL - ROW CROPS, SCHOOL - ELEMENTARY
Potential COC: Under Investigation Arsenic Chlordane DDD DDE DDT Lead Polychlorinated biphenyls (PCBs Toxaphene Dieldrin
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: Laurel School Upper Campus
Alias Type: Alternate Name
Alias Name: 063-430-310-1
Alias Type: APN
Alias Name: 063430310
Alias Type: APN
Alias Name: 204261
Alias Type: Project Code (Site Code)
Alias Name: 60001979
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/24/2014
Comments: Geotechnical Report for Background, O'Connor School Site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/24/2014
Comments: Phase I Report for Background, O'Connor School Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/21/2015
Comments: On May 21, 2015, DTSC approved the PEA Report and the SFPD 4.15 with a further action determination. The District entered into an O&M Agreement with DTSC on 5/21/2015 for the NOA in the AB material underneath the parking area/building.

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/25/2014
Comments: EOA execution letter completed and sent to District with fully executed EOA on 3/25/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 06/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 05/21/2015
Comments: On May 21, 2015, the District and DTSC entered into an O&M Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/04/2018
Comments: On April 4, 2018, DTSC approved the revised Radon Sampling Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/06/2014
Comments: Scoping meeting at Terraphase Office in Oakland at noon, then site visit with Terraphase and District at 2:00 pm.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/17/2015
Comments: On July 16, 2015, DTSC conducted a site visit during the District's construction project where there's NOA intrusive work. During the site visit, DTSC observed the dust monitoring, dust mitigation and posting of the site that NOA intrusive work activities will be happening at the site per the O&M Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/29/2014
Comments: On May 29, 2014, DTSC received the PEA Workplan Addendum and approved it for implementation on the same day.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/28/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	12/18/2018
Comments:	On December 18, 2018, DTSC participated during the site inspection of the capped area. The cap appears to be in good condition and no issues were found.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Five-Year Review Reports
Schedule Due Date:	03/16/2023
Schedule Revised Date:	Not reported

SCH:

Name:	O'CONNOR SCHOOL SITE
Address:	275 ELLIOTT DRIVE
City,State,Zip:	MENLO PARK, CA 94025
Facility ID:	60001979
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Jose Salcedo
Division Branch:	Cleanup Legacy Landfills
Site Code:	204261
Assembly:	23
Senate:	13
Special Program Status:	Not reported
Status:	Active
Status Date:	02/21/2014
Restricted Use:	NO
Funding:	School District
Latitude:	37.45961
Longitude:	-122.1484
APN:	063-430-310-1, 063430310
Past Use:	AGRICULTURAL - ROW CROPS, SCHOOL - ELEMENTARY
Potential COC:	Under Investigation, Arsenic, Chlordane, DDD, DDE, DDT, Lead, Polychlorinated biphenyls (PCBs, Toxaphene, Dieldrin
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	Laurel School Upper Campus
Alias Type:	Alternate Name
Alias Name:	063-430-310-1
Alias Type:	APN
Alias Name:	063430310
Alias Type:	APN
Alias Name:	204261

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Alias Type: Project Code (Site Code)
Alias Name: 60001979
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/24/2014
Comments: Geotechnical Report for Background, O'Connor School Site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/24/2014
Comments: Phase I Report for Background, O'Connor School Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/21/2015
Comments: On May 21, 2015, DTSC approved the PEA Report and the SFPD 4.15 with a further action determination. The District entered into an O&M Agreement with DTSC on 5/21/2015 for the NOA in the AB material underneath the parking area/building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/25/2014
Comments: EOA execution letter completed and sent to District with fully executed EOA on 3/25/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 06/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 05/21/2015
Comments: On May 21, 2015, the District and DTSC entered into an O&M Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/04/2018
Comments: On April 4, 2018, DTSC approved the revised Radon Sampling Workplan for implementation.

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/06/2014
Comments: Scoping meeting at Terraphase Office in Oakland at noon, then site visit with Terraphase and District at 2:00 pm.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/17/2015
Comments: On July 16, 2015, DTSC conducted a site visit during the District's construction project where there's NOA intrusive work. During the site visit, DTSC observed the dust monitoring, dust mitigation and posting of the site that NOA intrusive work activities will be happening at the site per the O&M Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/29/2014
Comments: On May 29, 2014, DTSC received the PEA Workplan Addendum and approved it for implementation on the same day.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/28/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/18/2018
Comments: On December 18, 2018, DTSC participated during the site inspection of the capped area. The cap appears to be in good condition and no issues were found.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Five-Year Review Reports
Schedule Due Date: 03/16/2023
Schedule Revised Date: Not reported

HAZNET:
Name: LAUREL SCHOOL UPPER CAMPUS
Address: 275 ELLIOTT DR
Address 2: Not reported
City,State,Zip: MENLO PARK, CA 940252624
Contact: AHMAD SHEIKHOLESLAMI
Telephone: 6503217140
Mailing Name: Not reported
Mailing Address: 181 ENCINAL AVE

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Year: 2015
Gepaid: CAC002814277
TSD EPA ID: AZD983476680
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: -
Tons: 0.20497

Year: 2015
Gepaid: CAC002814277
TSD EPA ID: CAD980675276
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 21.15

Year: 2015
Gepaid: CAC002814277
TSD EPA ID: CAD982042475
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 6.9

Additional Info:
Year: 2015
Gen EPA ID: CAC002814277

Shipment Date: 20150721
Creation Date: 10/5/2015 22:15:07
Receipt Date: 20150722
Manifest ID: 012796318JJK
Trans EPA ID: CAR000037283
Trans Name: WORLD ENVIRONMENTAL & ENERGY INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 611 - Contaminated soil from site clean-ups
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 21.15
Waste Quantity: 15
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150605
Creation Date: 5/24/2016 16:37:46
Receipt Date: Not reported
Manifest ID: 013048579JJK

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Trans EPA ID:	CAD982411993
Trans Name:	AERC RECYCLING SOLUTIONS INC
Trans 2 EPA ID:	CAR000206086
Trans 2 Name:	NORTH STATE ENVIRONMENTAL
TSDF EPA ID:	AZD983476680
Trans Name:	LIGHTING RESOURCES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.20497
Waste Quantity:	186
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150603
Creation Date:	7/16/2015 22:15:18
Receipt Date:	20150603
Manifest ID:	012796037JJK
Trans EPA ID:	CAR000037283
Trans Name:	WORLD ENVIRONMENTAL & ENERGY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	6.9
Waste Quantity:	30
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	LAUREL UPPER SCHOOL CAMPUS
Address:	275 ELLIOT DRIVE
City,State,Zip:	MENLO PARK, CA 94027
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 41C372558

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	04/12/2017
Operator Name:	Menlo Park City School District
Operator Address:	181 Encinal Ave
Operator City:	Atherton
Operator State:	California
Operator Zip:	94027

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	2
Regulatory Measure ID:	453401
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 41C372558
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/02/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/12/2017
Discharge Name:	Menlo Park City School District
Discharge Address:	181 Encinal Ave
Discharge City:	Atherton
Discharge State:	California
Discharge Zip:	94027
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	453401
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	2 41C372558
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/12/2017
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Received Date:	03/27/2015
Processed Date:	04/02/2015
Status:	Terminated
Status Date:	04/12/2017
Place Size:	6
Place Size Unit:	Acres
Contact:	Ahmad Sheikholeslami
Contact Title:	Not reported
Contact Phone:	650-321-7140
Contact Phone Ext:	5614
Contact Email:	ahmad@mpcsd.org
Operator Name:	Menlo Park City School District
Operator Address:	181 Encinal Ave
Operator City:	Atherton
Operator State:	California
Operator Zip:	94027
Operator Contact:	Ahmad Sheikholeslami
Operator Contact Title:	Not reported
Operator Contact Phone:	650-321-7140
Operator Contact Phone Ext:	5614
Operator Contact Email:	ahmad@mpcsd.org
Operator Type:	Other
Developer:	Menlo Park City School District
Developer Address:	181 Encinal Ave
Developer City:	Atherton
Developer State:	California
Developer Zip:	94027
Developer Contact:	Ahmad Sheikholeslami
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Francisquito
Certifier:	Ahmad Sheikholeslami
Certifier Title:	Chief Business and Operations Officer
Certification Date:	27-MAR-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

O'CONNOR SCHOOL SITE (Continued) **S115779977**

CIWQS:

Name:	LAUREL UPPER SCHOOL CAMPUS
Address:	275 ELLIOT DRIVE
City,State,Zip:	MENLO PARK, CA 94027
Agency:	Menlo Park City School District
Agency Address:	181 Encinal Ave, Atherton, CA 94027
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	2
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	2 41C372558
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/02/2015
Termination Date:	04/12/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	37.45943
Longitude:	-122.14667

HWTS:

Name:	LAUREL SCHOOL UPPER CAMPUS
Address:	275 ELLIOTT DR
Address 2:	Not reported
City,State,Zip:	MENLO PARK, CA 94025
EPA ID:	CAC002814277
Inactive Date:	08/11/2015
Create Date:	05/12/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	181 ENCINAL AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ATHERTON, CA 940273102
Owner Name:	MENLO PARK CITY SCHOOL DISTRICT
Owner Address:	181 ENCINAL AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ATHERTON, CA 940273102
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	AHMAD SHEIKHOLESLAMI
Contact Address:	181 ENCINAL AVE
Contact Address 2:	Not reported
City,State,Zip:	ATHERTON, CA 940273102
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE

O'CONNOR SCHOOL SITE (Continued) **S115779977**

Latitude: 37.459804
Longitude: -122.149383

NAICS:
EPA ID: CAC002814277
Create Date: 2015-05-12 14:01:26.610
NAICS Code: 61111
NAICS Description: Elementary and Secondary Schools
Issued EPA ID Date: 2015-05-12 14:01:26.61000
Inactive Date: 2015-08-11 14:01:26.61000
Facility Name: LAUREL SCHOOL UPPER CAMPUS
Facility Address: 275 ELLIOTT DR
Facility Address 2: Not reported
Facility City: MENLO PARK
Facility County: Not reported
Facility State: CA
Facility Zip: 940252624

R88 **MIZUFUNE NURSERY** **LUST** **S101303085**
NE **756 RUNNYMEDE** **SWEEPS UST** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303** **Cortese**
0.381 mi. **HIST CORTESE**
2014 ft. **Site 1 of 5 in cluster R** **CERS**

Relative:
Lower

Actual:
18 ft.

SAN MATEO CO. LUST:
Name: MIZUFUNE NURSERY
Address: 756 RUNNYMEDE
City,State,Zip: EAST PALO ALTO, CA
Region: SAN MATEO
Facility ID: 890011
Facility Status: 9- Case Closed
Global ID: T0608100679
APN Number: Not reported
Case Type: EAST PALO ALTO, CA
EDR Link ID: EAST PALO ALTO, CA

LUST:
Name: MIZUFUNE NURSERY
Address: 756 RUNNYMEDE
City,State,Zip: EAST PALO ALTO, CA 94303
Lead Agency: SAN MATEO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608100679
Global Id: T0608100679
Latitude: 37.4684891
Longitude: -122.1380806
Status: Completed - Case Closed
Status Date: 12/11/1995
Case Worker: Not reported
RB Case Number: 41-0715
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 890011
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
EPA Region: 9
Coordinate Source: Google Map Move

MIZUFUNE NURSERY (Continued) **S101303085**

Cuf Case:	NO
Quantity Released Gallons:	0
Begin Date:	02/08/1993
Leak Reported Date:	02/08/1993
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	12/11/1995
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

LUST:

Global Id:	T0608100679
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608100679
Contact Type:	Regional Board Caseworker
Contact Name:	UUU
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0608100679
Action Type:	ENFORCEMENT
Date:	02/10/1993
Action:	Notice of Responsibility - #1

Global Id:	T0608100679
Action Type:	RESPONSE
Date:	10/12/1995
Action:	Other Report / Document

Global Id:	T0608100679
Action Type:	Other
Date:	02/08/1993
Action:	Leak Reported

Global Id:	T0608100679

MIZUFUNE NURSERY (Continued) **S101303085**

Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0608100679
Action Type: ENFORCEMENT
Date: 09/13/2016
Action: Email Correspondence

Global Id: T0608100679
Action Type: Other
Date: 02/08/1993
Action: Leak Discovery

LUST:
Global Id: T0608100679
Status: Open - Case Begin Date
Status Date: 02/08/1993

Global Id: T0608100679
Status: Completed - Case Closed
Status Date: 12/11/1995

SWEEPS UST:
Name: MIZUFUNE NURSERY
Address: 756 RUNNYMEDE
City: EAST PALO ALTO
Status: Not reported
Comp Number: 890027
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 41-000-890027-000001
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 1

CORTESE:
Name: MIZUFUNE NURSERY
Address: 756 RUNNYMEDE
City,State,Zip: EAST PALO ALTO, CA 94303
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608100679
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported

MIZUFUNE NURSERY (Continued) **S101303085**

Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	MIZUFUNE NURSERY
edr_fadd1:	756 RUNNYMEDE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Facility County Code:	41
Reg By:	LTNKA
Reg Id:	41-0715

CERS:

Name:	MIZUFUNE NURSERY
Address:	756 RUNNYMEDE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	669488
CERS ID:	T0608100679
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

R89 **MIZUFUNE NURSERY** **LUST** **S103817235**
NE **756 RUNNYMEDE** **San Mateo Co. BI** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303**
0.381 mi.
2014 ft. **Site 2 of 5 in cluster R**

Relative: **Lower**

Actual: **18 ft.**

LUST REG 2:

Region:	2
Facility Id:	Not reported
Facility Status:	Case Closed
Case Number:	890011
How Discovered:	OM
Leak Cause:	Unknown
Leak Source:	Unknown
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

San Mateo Co. BI:

Name:	MIZUFUNE NURSERY
Address:	756 RUNNYMEDE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0014330
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0022989
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Inactive, non-billable
Program Category:	UNDERGROUND TANK PROGRAM

R90 **NARITA PROPERTY** **LUST** **S109285814**
NE **806 RUNNYMEDE** **Cortese** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303** **CERS**
0.413 mi.
2181 ft. **Site 3 of 5 in cluster R**

Relative: **Lower**

Actual: **18 ft.**

SAN MATEO CO. LUST:

Name:	NARITA PROPERTY
Address:	806 RUNNYMEDE ST
City,State,Zip:	EAST PALO ALTO, CA
Region:	SAN MATEO
Facility ID:	899018
Facility Status:	9- Case Closed
Global ID:	T0608161049
APN Number:	Not reported
Case Type:	EAST PALO ALTO, CA
EDR Link ID:	EAST PALO ALTO, CA

LUST:

Name:	NARITA PROPERTY
Address:	806 RUNNYMEDE
City,State,Zip:	EAST PALO ALTO, CA 94303
Lead Agency:	SAN MATEO COUNTY LOP
Case Type:	LUST Cleanup Site

NARITA PROPERTY (Continued) **S109285814**

Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608161049
Global Id:	T0608161049
Latitude:	37.468548
Longitude:	-122.136868
Status:	Completed - Case Closed
Status Date:	08/10/2004
Case Worker:	Not reported
RB Case Number:	Not reported
Local Agency:	Not reported
File Location:	Local Agency Warehouse
Local Case Number:	899018
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs)
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	10/23/2000
Leak Reported Date:	10/23/2000
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	08/10/2004
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

LUST:

Global Id:	T0608161049
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608161049
Contact Type:	Regional Board Caseworker
Contact Name:	UUU
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0608161049

NARITA PROPERTY (Continued) **S109285814**

Action Type: ENFORCEMENT
Date: 06/07/2001
Action: * Historical Enforcement - #1

Global Id: T0608161049
Action Type: ENFORCEMENT
Date: 08/10/2004
Action: Closure/No Further Action Letter - #20040810

Global Id: T0608161049
Action Type: ENFORCEMENT
Date: 03/22/2004
Action: Staff Letter - #20040322

Global Id: T0608161049
Action Type: RESPONSE
Date: 05/03/2004
Action: Other Report / Document

Global Id: T0608161049
Action Type: RESPONSE
Date: 05/03/2004
Action: Other Report / Document

Global Id: T0608161049
Action Type: Other
Date: 10/23/2000
Action: Leak Reported

Global Id: T0608161049
Action Type: ENFORCEMENT
Date: 08/09/2002
Action: Technical Correspondence / Assistance / Other

Global Id: T0608161049
Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

LUST:
Global Id: T0608161049
Status: Open - Case Begin Date
Status Date: 10/23/2000

Global Id: T0608161049
Status: Open - Remediation
Status Date: 10/23/2000

Global Id: T0608161049
Status: Completed - Case Closed
Status Date: 08/10/2004

CORTESE:
Name: NARITA PROPERTY
Address: 806 RUNNYMEDE

NARITA PROPERTY (Continued) **S109285814**

City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608161049
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	NARITA PROPERTY
Address:	806 RUNNYMEDE
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	671422
CERS ID:	T0608161049
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

R91 **PRIVATE RESIDENCE** **CPS-SLIC** **S109349198**
NE **PRIVATE RESIDENCE** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303**
0.414 mi.
2186 ft. **Site 4 of 5 in cluster R**

Relative:
Lower

Actual:
19 ft.

CPS-SLIC:

Name:	PRIVATE RESIDENCE
Address:	PRIVATE RESIDENCE
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/11/2013
Global Id:	SL0608188488
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.4689657335285
Longitude:	-122.138271331787
Case Type:	Cleanup Program Site
Case Worker:	MEJ
Local Agency:	Not reported
RB Case Number:	41S0187
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Chlordane, DDD / DDE / DDT, Other Insecticides / Pesticide / Fumigants / Herbicides, Toxaphene
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	0
Begin Date:	04/02/2004
Leak Reported Date:	05/05/2004
How Discovered:	* SA
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	12/11/2013
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	86-90%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

R92 NE 1/4-1/2 0.418 mi. 2205 ft. — **791-805 RUNNYMEDE STREET**
791 AND 805 RUNNYMEDE STREET
EAST PALO ALTO, CA 94303
Site 5 of 5 in cluster R

US BROWNFIELDS FINDS — **1016345733 N/A**

Relative: Lower
Actual: 19 ft.

US BROWNFIELDS:

Name:	791-805 RUNNYMEDE STREET
Address:	791 AND 805 RUNNYMEDE STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-253-600
Parcel size:	0.91
Latitude:	37.46852
Longitude:	-122.13742
HCM Label:	Interpolation-Map
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Gertrude Wilkes, the leader of Mothers for Equal Education, would like to develop a below market-rate assisted living facility. This would allow local residents who need assistance to stay in the area while receiving the necessary care. Mothers for Equal Education continues to raise funds for this use. (PPF - Shule Mandela School, 2/7/05) Former Use: School (Shule Mandela School for Knowledge and Wisdom) and nursery, vacant
Datum:	North American Datum of 1927
Acres Property ID:	15632
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6402
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97931801
Start Date:	11/18/2003
Ownership Entity:	Not reported
Completion Date:	11/18/2003
Current Owner:	Mothers for Equal Education
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported

791-805 RUNNYMEDE STREET (Continued) **1016345733**

IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	School (Shule Mandela School for Knowledge and Wisdom) and nursery, vacant
Below Poverty Number:	1845
Below Poverty Percent:	19.23
Meidan Income:	27304
Meidan Income Number:	4474
Meidan Income Percent:	46.63
Vacant Housing Number:	97
Vacant Housing Percent:	4.77
Unemployed Number:	513
Unemployed Percent:	5.35

FINDS:
Registry ID: 110038698718

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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93 **1508 BAY RD., EAST PALO ALTO** **US BROWNFIELDS** **1018272971**
North **1508 BAY RD.** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303**
0.449 mi.
2371 ft.

Relative:
Higher

Actual:
24 ft.

US BROWNFIELDS:

Name:	1508 BAY RD., EAST PALO ALTO
Address:	1508 BAY RD.
Recipient name:	R9 TBA - California (STAG Funded)
Grant type:	TBA
Region:	9

1508 BAY RD., EAST PALO ALTO (Continued) **1018272971**

Property Number:	063-203-370
Parcel size:	0.25
Latitude:	37.470991
Longitude:	-122.142682
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	212722
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	n/a
Start Date:	Not reported
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	Josh and Sara To
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	0.25
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported

1508 BAY RD., EAST PALO ALTO (Continued) **1018272971**

Future use residential acreage:	Not reported
Future use commercial acreage:	0.25
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1920
Below Poverty Percent:	18.6
Meidan Income:	23313
Meidan Income Number:	4947
Meidan Income Percent:	47.92
Vacant Housing Number:	127
Vacant Housing Percent:	5.9
Unemployed Number:	642
Unemployed Percent:	6.22

Name:	1508 BAY RD., EAST PALO ALTO
Address:	1508 BAY RD.
Recipient name:	R9 TBA - California (STAG Funded)
Grant type:	TBA
Region:	9
Property Number:	063-203-370
Parcel size:	0.25
Latitude:	37.470991
Longitude:	-122.142682
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	212722
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	11596
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	11/4/2015
Ownership Entity:	Private
Completion Date:	12/30/2016
Current Owner:	Josh and Sara To
Did Owner Change:	N
Cleanup Required:	N

1508 BAY RD., EAST PALO ALTO (Continued) **1018272971**

Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	0.25
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	0.25
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1920
Below Poverty Percent:	18.6
Meidan Income:	23313
Meidan Income Number:	4947
Meidan Income Percent:	47.92
Vacant Housing Number:	127
Vacant Housing Percent:	5.9
Unemployed Number:	642
Unemployed Percent:	6.22

S94 **872 RUNNYMEDE** **US BROWNFIELDS** **1016345738**
NE **872 RUNNYMEDE STREET** **FINDS** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303**
0.457 mi.
2411 ft. **Site 1 of 3 in cluster S**

Relative: **Lower**
Actual: **17 ft.**

US BROWNFIELDS:

Name:	872 RUNNYMEDE
Address:	872 RUNNYMEDE STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-252-230
Parcel size:	0.84
Latitude:	37.46856
Longitude:	-122.1355
HCM Label:	Interpolation-Map
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station

872 RUNNYMEDE (Continued) **1016345738**

Highlights:	Former Use: Flower nursery, vacant
Datum:	Not reported
Acres Property ID:	15637
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	10000
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Private/Other Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97931801
Start Date:	2/1/2004
Ownership Entity:	Not reported
Completion Date:	2/1/2004
Current Owner:	Trennie Miles
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Flower nursery, vacant

872 RUNNYMEDE (Continued) **1016345738**

Below Poverty Number:	1399
Below Poverty Percent:	19.09
Meidan Income:	14241
Meidan Income Number:	3314
Meidan Income Percent:	45.22
Vacant Housing Number:	85
Vacant Housing Percent:	5.3
Unemployed Number:	380
Unemployed Percent:	5.19

Name:	872 RUNNYMEDE
Address:	872 RUNNYMEDE STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-252-230
Parcel size:	0.84
Latitude:	37.46856
Longitude:	-122.1355
HCM Label:	Interpolation-Map
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: Flower nursery, vacant
Datum:	Not reported
Acres Property ID:	15637
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	10309
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97931801
Start Date:	2/1/2004
Ownership Entity:	Not reported
Completion Date:	2/1/2004
Current Owner:	Trennie Miles
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported

872 RUNNYMEDE (Continued) **1016345738**

IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Flower nursery, vacant
Below Poverty Number:	1399
Below Poverty Percent:	19.09
Meidan Income:	14241
Meidan Income Number:	3314
Meidan Income Percent:	45.22
Vacant Housing Number:	85
Vacant Housing Percent:	5.3
Unemployed Number:	380
Unemployed Percent:	5.19

Name:	872 RUNNYMEDE
Address:	872 RUNNYMEDE STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-252-230
Parcel size:	0.84
Latitude:	37.46856
Longitude:	-122.1355
HCM Label:	Interpolation-Map
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: Flower nursery, vacant
Datum:	Not reported
Acres Property ID:	15637
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported

872 RUNNYMEDE (Continued) **1016345738**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	6/21/2005
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	97931801
Start Date:	Not reported
Ownership Entity:	Not reported
Completion Date:	Not reported
Current Owner:	Trennie Miles
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Flower nursery, vacant
Below Poverty Number:	1399
Below Poverty Percent:	19.09
Meidan Income:	14241
Meidan Income Number:	3314
Meidan Income Percent:	45.22
Vacant Housing Number:	85
Vacant Housing Percent:	5.3
Unemployed Number:	380
Unemployed Percent:	5.19
Name:	872 RUNNYMEDE
Address:	872 RUNNYMEDE STREET
Recipient name:	East Palo Alto, City of

872 RUNNYMEDE (Continued) **1016345738**

Grant type:	Showcase Community
Region:	9
Property Number:	063-252-230
Parcel size:	0.84
Latitude:	37.46856
Longitude:	-122.1355
HCM Label:	Interpolation-Map
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: Flower nursery, vacant
Datum:	Not reported
Acres Property ID:	15637
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3000
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Other Federal Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97931801
Start Date:	2/1/2004
Ownership Entity:	Not reported
Completion Date:	2/1/2004
Current Owner:	Trennie Miles
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported

872 RUNNYMEDE (Continued) **1016345738**

Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Flower nursery, vacant
Below Poverty Number:	1399
Below Poverty Percent:	19.09
Meidan Income:	14241
Meidan Income Number:	3314
Meidan Income Percent:	45.22
Vacant Housing Number:	85
Vacant Housing Percent:	5.3
Unemployed Number:	380
Unemployed Percent:	5.19

FINDS:
Registry ID: 110038698763

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

S95 **MILES PROPERTY** **LUST** **S106483328**
NE **872 RUNNYMEDE** **CPS-SLIC** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94025** **CERS**
0.457 mi.
2411 ft. **Site 2 of 3 in cluster S**

Relative:
Lower

Actual:
17 ft.

SAN MATEO CO. LUST:

Name:	MILES PROPERTY
Address:	872 RUNNYMEDE ST
City,State,Zip:	EAST PALO ALTO, CA
Region:	SAN MATEO
Facility ID:	899021
Facility Status:	9- Case Closed
Global ID:	T0608157762
APN Number:	Not reported
Case Type:	EAST PALO ALTO, CA
EDR Link ID:	EAST PALO ALTO, CA

CPS-SLIC:

Name:	MILES PROPERTY
Address:	872 RUNNYMEDE
City,State,Zip:	EAST PALO ALTO, CA 94025
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/11/2004
Global Id:	T0608157762

MILES PROPERTY (Continued) **S106483328**

Lead Agency:	SAN MATEO COUNTY LOP
Lead Agency Case Number:	899021
Latitude:	37.468128
Longitude:	-122.135662
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency Warehouse
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs)
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	0
Begin Date:	06/05/2002
Leak Reported Date:	06/05/2002
How Discovered:	* SA
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	05/11/2004
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	MILES PROPERTY
Address:	872 RUNNYMEDE
City,State,Zip:	EAST PALO ALTO, CA 94025
Site ID:	669144
CERS ID:	T0608157762
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	UUU - SAN FRANCISCO BAY RWQCB (REGION 2)

MILES PROPERTY (Continued) **S106483328**

Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

96
ESE
1/4-1/2
0.460 mi.
2427 ft.

SIRI BROS PARTNERSHIP **CPS-SLIC S102859799**
2012 CLARK **HIST CORTESE N/A**
EAST PALO ALTO, CA 94303 **CERS**

Relative:
Lower

Actual:
15 ft.

CPS-SLIC:

Name:	SIRI BROS PARTNERSHIP
Address:	2012 CLARK
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/19/1999
Global Id:	T0608101657
Lead Agency:	SAN MATEO COUNTY LOP
Lead Agency Case Number:	899014
Latitude:	37.4617874429523
Longitude:	-122.134434989075
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	0
Begin Date:	10/27/1997
Leak Reported Date:	10/27/1997
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	10/19/1999
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

SIRI BROS PARTNERSHIP (Continued) **S102859799**

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

edr_fname:	SIRI BROS PARTNERSHIP
edr_fadd1:	2012 CLARK
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Facility County Code:	41
Reg By:	LTNKA
Reg Id:	41-1047

CERS:

Name:	SIRI BROS PARTNERSHIP
Address:	2012 CLARK
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	686329
CERS ID:	T0608101657
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

S97 **855 RUNNYMEDE STREET** **US BROWNFIELDS** **1016345732**
NE **855 RUNNYMEDE STREET** **FINDS** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303**
0.461 mi.
2433 ft. **Site 3 of 3 in cluster S**

Relative:
Lower

Actual:
18 ft.

US BROWNFIELDS:

Name:	855 RUNNYMEDE STREET
Address:	855 RUNNYMEDE STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-492-080
Parcel size:	0.5
Latitude:	37.46856

855 RUNNYMEDE STREET (Continued) **1016345732**

Longitude:	-122.13639
HCM Label:	Interpolation-Map
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	The intended future use of the EPA CAN DO property includes transitional affordable housing that will be completed by Faith Missionary Baptist Church and the East Palo Alto Community Allicance Neighborhood Development Organization, both non-profit developers. (QR 1, 8/1/03-12/31/03) The property will include transitional affordable housing for formerly incarcerated and/or former substance-abusing local residents. The Faith Missionary Baptist Church and the East Palo Alto Community Allicance Neighborhood Development Organization continue to seek funding for this project. (PPF - EPA CAN DO office, 2/7/05) Former Use: Flower nursery
Datum:	North American Datum of 1927
Acres Property ID:	15631
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6102
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97931801
Start Date:	11/18/2003
Ownership Entity:	Not reported
Completion Date:	11/18/2003
Current Owner:	Faith Missionary Baptist Church
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported

855 RUNNYMEDE STREET (Continued) **1016345732**

Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Flower nursery
Below Poverty Number:	1454
Below Poverty Percent:	19.07
Meidan Income:	17358
Meidan Income Number:	3459
Meidan Income Percent:	45.37
Vacant Housing Number:	85
Vacant Housing Percent:	5.12
Unemployed Number:	395
Unemployed Percent:	5.18

Name:	855 RUNNYMEDE STREET
Address:	855 RUNNYMEDE STREET
Recipient name:	East Palo Alto, City of
Grant type:	Showcase Community
Region:	9
Property Number:	063-492-080
Parcel size:	0.5
Latitude:	37.46856
Longitude:	-122.13639
HCM Label:	Interpolation-Map
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	The intended future use of the EPA CAN DO property includes transitional affordable housing that will be completed by Faith Missionary Baptist Church and the East Palo Alto Community Allicance Neighborhood Development Organization, both non-profit developers. (QR 1, 8/1/03-12/31/03) The property will include transitional affordable housing for formerly incarcerated and/or former substance-abusing local residents. The Faith Missionary Baptist Church and the East Palo Alto Community Allicance Neighborhood Development Organization continue to seek funding for this project. (PPF - EPA CAN DO office, 2/7/05) Former Use: Flower nursery
Datum:	North American Datum of 1927
Acres Property ID:	15631
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	1
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported

855 RUNNYMEDE STREET (Continued) **1016345732**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Other Federal Funding
Cleanup Funding Entity:	Not reported
Grant Type:	Not reported
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	97931801
Start Date:	5/20/2003
Ownership Entity:	Not reported
Completion Date:	5/20/2003
Current Owner:	Faith Missionary Baptist Church
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Flower nursery
Below Poverty Number:	1454
Below Poverty Percent:	19.07
Meidan Income:	17358
Meidan Income Number:	3459
Meidan Income Percent:	45.37
Vacant Housing Number:	85
Vacant Housing Percent:	5.12
Unemployed Number:	395
Unemployed Percent:	5.18

FINDS:
Registry ID: 110038698709

855 RUNNYMEDE STREET (Continued) **1016345732**

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

T98 **IBRAHIM PROPERTY** **LUST** **S110060685**
NNE **2395 UNIVERSITY** **Cortese** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303** **HIST CORTESE**
0.498 mi. **CERS**
2630 ft. **Site 1 of 2 in cluster T**

Relative: Higher
Actual: 23 ft.

SAN MATEO CO. LUST:

Name:	IBRAHIM PROPERTY
Address:	2395 UNIVERSITY AVE
City,State,Zip:	EAST PALO ALTO, CA
Region:	SAN MATEO
Facility ID:	890009
Facility Status:	9- Case Closed
Global ID:	T0608100633
APN Number:	063203300
Case Type:	EAST PALO ALTO, CA
EDR Link ID:	EAST PALO ALTO, CA

LUST:

Name:	IBRAHIM PROPERTY
Address:	2395 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Lead Agency:	SAN MATEO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608100633
Global Id:	T0608100633
Latitude:	37.471512
Longitude:	-122.138355
Status:	Completed - Case Closed
Status Date:	06/27/2001
Case Worker:	Not reported
RB Case Number:	41-0666
Local Agency:	Not reported
File Location:	Local Agency Warehouse
Local Case Number:	890009
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	YES
Quantity Released Gallons:	0
Begin Date:	10/03/1991
Leak Reported Date:	10/03/1991
How Discovered:	Other Means
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means

IBRAHIM PROPERTY (Continued) **S110060685**

Stop Description:	Not reported
No Further Action Date:	06/27/2001
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

LUST:

Global Id:	T0608100633
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0608100633
Contact Type:	Regional Board Caseworker
Contact Name:	UUU
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0608100633
Action Type:	RESPONSE
Date:	06/18/2001
Action:	Other Report / Document

Global Id:	T0608100633
Action Type:	ENFORCEMENT
Date:	10/04/1991
Action:	Notice of Responsibility - #1

Global Id:	T0608100633
Action Type:	Other
Date:	10/03/1991
Action:	Leak Reported

Global Id:	T0608100633
Action Type:	ENFORCEMENT
Date:	11/01/2006
Action:	Technical Correspondence / Assistance / Other

Global Id:	T0608100633
Action Type:	Other
Date:	08/13/1992
Action:	Leak Discovery

IBRAHIM PROPERTY (Continued) **S110060685**

LUST:
Global Id: T0608100633
Status: Open - Case Begin Date
Status Date: 10/03/1991

Global Id: T0608100633
Status: Completed - Case Closed
Status Date: 06/27/2001

CORTESE:
Name: IBRAHIM PROPERTY
Address: 2395 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0608100633
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: IBRAHIM PROPERTY
edr_fadd1: 2395 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA
Region: CORTESE
Facility County Code: 41
Reg By: LTNKA
Reg Id: 41-0666

CERS:
Name: IBRAHIM PROPERTY
Address: 2395 UNIVERSITY
City,State,Zip: EAST PALO ALTO, CA 94303
Site ID: 661097
CERS ID: T0608100633
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)

IBRAHIM PROPERTY (Continued) **S110060685**

Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	UUU - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

T99 **UST SITE** **LUST** **S103177260**
NNE **2395 UNIVERSITY** **San Mateo Co. BI** **N/A**
1/4-1/2 **EAST PALO ALTO, CA 94303**
0.498 mi.
2630 ft. **Site 2 of 2 in cluster T**

Relative:
Higher

Actual:
23 ft.

LUST REG 2:

Region:	2
Facility Id:	Not reported
Facility Status:	Case Closed
Case Number:	890009
How Discovered:	OM
Leak Cause:	Unknown
Leak Source:	Unknown
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

San Mateo Co. BI:

Name:	UST SITE
Address:	2395 UNIVERSITY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	SAN MATEO
Facility ID:	FA0026611
Prog Element Code:	UNDERGROUND TANK - GENERAL
Record Id:	PR0038602
Description:	UNDERGROUND TANK - GENERAL
Facility Status:	Inactive, non-billable
Program Category:	UNDERGROUND TANK PROGRAM

U100 **MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2** **ENVIROSTOR** **S114002217**
East **980 AND 992 MYRTLE STREET** **VCP** **N/A**
1/2-1 **EAST PALO ALTO, CA 94303** **DEED**
0.536 mi.
2832 ft. **Site 1 of 2 in cluster U**

Relative:
Lower

Actual:
12 ft.

ENVIROSTOR:

Name:	MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2
Address:	980 AND 992 MYRTLE STREET
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	60001925
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	06/30/2015
Site Code:	201984
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	0.9
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Karina Navarro
Division Branch:	Cleanup Berkeley
Assembly:	21
Senate:	13
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.46288
Longitude:	-122.1326
APN:	63352170
Past Use:	AGRICULTURAL - ORCHARD
Potential COC:	Arsenic DDD DDE DDT Lead Dieldrin
Confirmed COC:	300 013 000 630 007 000 000 000 000 000
Potential Description:	SOIL
Alias Name:	063352170
Alias Type:	APN
Alias Name:	201984
Alias Type:	Project Code (Site Code)
Alias Name:	60001925
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	11/12/2013
Comments:	Fact Sheet for RAW comment period of 11/18 to 12/24/2013.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	09/19/2013
Comments:	Workplan for soil and groundwater sampling to supplemen the Phase 1 ESA data. Previous data and results of this sampling will be used in the human health risk evaluation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2 (Continued) **S114002217**

Completed Document Type: Operation and Maintenance Plan
Completed Date: 01/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/24/2013
Comments: Public comment period on the Draft RAW ran from November 18 through December 24, 2013. The comment period was extended for an additional seven days because of the holidays.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: LUR - Notification Response
Completed Date: 06/30/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 10/09/2013
Comments: The Community Profile for the phase 1 school site was updated for demographics and elected officials for use at this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/10/2013
Comments: The document presents the results of soil sampling and risk evaluation. Contaminants of concern includes pesticides and lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/27/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE

MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2 (Continued) **S114002217**

Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/23/2013
Comments: Agreement signed for cleanup of lead and pesticide contamination in soil at the proposed school expansion.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/26/2013
Comments: Finalized NOE. No comments were received during the 37-day comment period that ran from November 18 through December 24, 2013. The comment period was extended for an additional seven days because of the holidays.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/27/2013
Comments: Final RAW approved for removal of contaminated soil from the Site. Contaminants include arsenic, lead, chlordane, dieldrin and DDT.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/23/2017
Comments: Report for gymnasium construction and annual cap inspection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/27/2014
Comments: Not reported

MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2 (Continued) **S114002217**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/14/2014
Comments: Soil remediation by capping and school construction completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/02/2020
Comments: Emailed letter on 10/2/2020. EC, 10/2/2020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2021
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Five-Year Review Reports
Schedule Due Date: 04/25/2022
Schedule Revised Date: 03/27/2023

VCP:
Name: MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2
Address: 980 AND 992 MYRTLE STREET
City,State,Zip: EAST PALO ALTO, CA 94303
Facility ID: 60001925
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.9
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Karina Navarro
Division Branch: Cleanup Berkeley
Site Code: 201984

MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2 (Continued) **S114002217**

Assembly:	21
Senate:	13
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	06/30/2015
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	37.46288 / -122.1326
APN:	63352170
Past Use:	AGRICULTURAL - ORCHARD
Potential COC:	30001, 30006, 30007, 30008, 30013, 30207
Confirmed COC:	300,013,000,630,007,000,000,000,000,000
Potential Description:	SOIL
Alias Name:	063352170
Alias Type:	APN
Alias Name:	201984
Alias Type:	Project Code (Site Code)
Alias Name:	60001925
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	11/12/2013
Comments:	Fact Sheet for RAW comment period of 11/18 to 12/24/2013.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	09/19/2013
Comments:	Workplan for soil and groundwater sampling to supplemen the Phase 1 ESA data. Previous data and results of this sampling will be used in the human health risk evaluation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Plan
Completed Date:	01/30/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	12/24/2013
Comments:	Public comment period on the Draft RAW ran from November 18 through December 24, 2013. The comment period was extended for an additional seven days because of the holidays.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	08/27/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	LUR - Notification Response

MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2 (Continued) **S114002217**

Completed Date: 06/30/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 10/09/2013
Comments: The Community Profile for the phase 1 school site was updated for demographics and elected officials for use at this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/10/2013
Comments: The document presents the results of soil sampling and risk evaluation. Contaminants of concern includes pesticides and lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/27/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/23/2013
Comments: Agreement signed for cleanup of lead and pesticide contamination in soil at the proposed school expansion.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/26/2013
Comments: Finalized NOE. No comments were received during the 37-day comment period that ran from November 18 through December 24, 2013. The comment period was extended for an additional seven days because of the holidays.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/29/2015
Comments: Not reported

MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2 (Continued) **S114002217**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/27/2013
Comments: Final RAW approved for removal of contaminated soil from the Site. Contaminants include arsenic, lead, chlordane, dieldrin and DDT.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/23/2017
Comments: Report for gymnasium construction and annual cap inspection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/14/2014
Comments: Soil remediation by capping and school construction completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2 (Continued) **S114002217**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/02/2020
Comments: Emailed letter on 10/2/2020. EC, 10/2/2020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2021
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Five-Year Review Reports
Schedule Due Date: 04/25/2022
Schedule Revised Date: 03/27/2023

DEED:
Name: MYRTLE STREET HIGH SCHOOL CAMPUS PHASE 2
Address: 980 AND 992 MYRTLE STREET
City,State,Zip: EAST PALO ALTO, CA 94303
Envirostor ID: 60001925
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

U101 **MYRTLE STREET HIGH SCHOOL CAMPUS** **ENVIROSTOR** **S110121734**
East **1010, 1020, 1040, 1054 & 1056 MYRTLE STREET** **SCH** **N/A**
1/2-1 **EAST PALO ALTO, CA 94303**
0.573 mi.
3024 ft. **Site 2 of 2 in cluster U**

Relative:
Lower

Actual:
12 ft.

ENVIROSTOR:
Name: MYRTLE STREET HIGH SCHOOL CAMPUS
Address: 1010, 1020, 1040, 1054 & 1056 MYRTLE STREET
City,State,Zip: EAST PALO ALTO, CA 94303
Facility ID: 60001223
Status: Certified
Status Date: 02/08/2011
Site Code: 204238
Site Type: School Cleanup
Site Type Detailed: School
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Mellan Songco
Supervisor: Juan Koponen
Division Branch: Northern California Schools & Santa Susana

MYRTLE STREET HIGH SCHOOL CAMPUS (Continued) **S110121734**

Assembly: 21
Senate: 13
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 37.4631
Longitude: -122.132
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ORCHARD, NURSERY, RESIDENTIAL AREA
Potential COC: Chlordane DDD DDE DDT Lead Dieldrin
Confirmed COC: 30004-NO 30013-NO 30006-NO 30007-NO 30008-NO 31000-NO 30207-NO
Potential Description: CSS, SOIL
Alias Name: Myrtle Street Campus
Alias Type: Alternate Name
Alias Name: 204238
Alias Type: Project Code (Site Code)
Alias Name: 60001223
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/10/2010
Comments: Received the electronic copy of the PEA workplan on 2/10/2010. This PEA workplan presents the sampling activities discussed during prior meetings and have already implemented. The PEA report will present this data.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/21/2010
Comments: DTSC approved the final RAW for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/21/2010
Comments: DTSC sent responses to public comments received during the draft RAW public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/21/2011
Comments: Received signed Removal Action Site Certification

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement

MYRTLE STREET HIGH SCHOOL CAMPUS (Continued) **S110121734**

Completed Date: 03/15/2010
Comments: received fully executed agreement

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 12/23/2009
Comments: mailed fully executed EOA agreement to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/21/2010
Comments: Finalized the Sequoia Union High School District's NOE for the Myrtle St Campus. Forwarded the original copy of the NOE to the Office of Planning and Environmental Analysis on June 21, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/27/2010
Comments: DTSC (B. Duke) observed the implementation of the approved RAW on July 27, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/15/2010
Comments: DTSC approved the PEA with a further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/22/2009
Comments: An electronic copy of the Phase I Environmental Site Assessment for the Myrtle Street Campus was received on December 12, 2009 to be used as background information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/25/2010
Comments: DTSC approved the Sandis confirmation land survey

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/23/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/04/2010
Comments: DTSC approved the SSI with a further action determination

Completed Area Name: PROJECT WIDE

MYRTLE STREET HIGH SCHOOL CAMPUS (Continued) **S110121734**

Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 03/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/13/2010
Comments: Final Factsheet was provided to the District to be filed in the information repository for the 30-day public comment period. The public comment period is from May 17 through June 15, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 05/17/2010
Comments: DTSC finalized the Community Profile Report for the Myrtle Street High School Campus.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: MYRTLE STREET HIGH SCHOOL CAMPUS
Address: 1010, 1020, 1040, 1054 & 1056 MYRTLE STREET
City,State,Zip: EAST PALO ALTO, CA 94303
Facility ID: 60001223
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Mellan Songco
Supervisor: Juan Koponen
Division Branch: Northern California Schools & Santa Susana
Site Code: 204238
Assembly: 21
Senate: 13
Special Program Status: Not reported
Status: Certified
Status Date: 02/08/2011
Restricted Use: NO
Funding: School District
Latitude: 37.4631
Longitude: -122.132

MYRTLE STREET HIGH SCHOOL CAMPUS (Continued) **S110121734**

APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ORCHARD, NURSERY, RESIDENTIAL AREA
Potential COC: Chlordane, Chlordane, DDD, DDE, DDT, Lead, Dieldrin
Confirmed COC: 30004-NO, 30013-NO, 30006-NO, 30007-NO, 30008-NO, 31000-NO, 30207-NO
Potential Description: CSS, SOIL
Alias Name: Myrtle Street Campus
Alias Type: Alternate Name
Alias Name: 204238
Alias Type: Project Code (Site Code)
Alias Name: 60001223
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/10/2010
Comments: Received the electronic copy of the PEA workplan on 2/10/2010. This PEA workplan presents the sampling activities discussed during prior meetings and have already implemented. The PEA report will present this data.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/21/2010
Comments: DTSC approved the final RAW for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/21/2010
Comments: DTSC sent responses to public comments received during the draft RAW public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/21/2011
Comments: Received signed Removal Action Site Certification

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 03/15/2010
Comments: received fully executed agreement

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 12/23/2009
Comments: mailed fully executed EOA agreement to district

MYRTLE STREET HIGH SCHOOL CAMPUS (Continued) **S110121734**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	06/21/2010
Comments:	Finalized the Sequoia Union High School District's NOE for the Myrtle St Campus. Forwarded the original copy of the NOE to the Office of Planning and Environmental Analysis on June 21, 2010.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	07/27/2010
Comments:	DTSC (B. Duke) observed the implementation of the approved RAW on July 27, 2010.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/15/2010
Comments:	DTSC approved the PEA with a further action determination

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	12/22/2009
Comments:	An electronic copy of the Phase I Environmental Site Assessment for the Myrtle Street Campus was received on December 12, 2009 to be used as background information.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	08/25/2010
Comments:	DTSC approved the Sandis confirmation land survey

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	12/23/2010
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	05/04/2010
Comments:	DTSC approved the SSI with a further action determination

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Workplan
Completed Date:	03/29/2010
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	05/13/2010

MYRTLE STREET HIGH SCHOOL CAMPUS (Continued) **S110121734**

Comments:	Final Factsheet was provided to the District to be filed in the information repository for the 30-day public comment period. The public comment period is from May 17 through June 15, 2010.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Community Profile
Completed Date:	05/17/2010
Comments:	DTSC finalized the Community Profile Report for the Myrtle Street High School Campus.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

---

102 **1010 RUNNYMEDE** **ENVIROSTOR** **S110121975**
ENE **1010 RUNNYMEDE** **CPS-SLIC** **N/A**
1/2-1 **EAST PALO ALTO, CA 94303** **CERS**
0.634 mi.
3347 ft.

Relative:
Lower

Actual:
13 ft.

ENVIROSTOR:

Name:	1010 RUNNYMEDE
Address:	1010 RUNNYMEDE
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	60001548
Status:	Inactive - Needs Evaluation
Status Date:	10/01/2018
Site Code:	201908
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Julie Pettijohn
Division Branch:	Cleanup Berkeley
Assembly:	21
Senate:	13
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.46830
Longitude:	-122.1320
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ORCHARD, NURSERY, RESIDENTIAL AREA, AGRICULTURAL - ORCHARD, NURSERY, RESIDENTIAL AREA
Potential COC:	Lead Under Investigation
Confirmed COC:	Under Investigation 30013-NO
Potential Description:	SOIL

1010 RUNNYMEDE (Continued) **S110121975**

Alias Name: T0608106461
Alias Type: GeoTracker Global ID
Alias Name: 201908
Alias Type: Project Code (Site Code)
Alias Name: 60001548
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/05/2012
Comments: Site Assessment completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/02/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2011
Comments: letter to property owner requesting information and meeting

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: KUNG PROPERTY
Address: 1010 RUNNYMEDE STREET
City,State,Zip: EAST PALO ALTO, CA 94303
Region: STATE
Facility Status: **Open - Remediation**
Status Date: 04/13/2004
Global Id: T0608106461
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 899019
Latitude: 37.468469955
Longitude: -122.133450781
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Chlordane, DDD / DDE / DDT, Other Insecticides / Pesticide / Fumigants / Herbicides
EPA Region: 9

1010 RUNNYMEDE (Continued) **S110121975**

Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	10/15/2001
Leak Reported Date:	09/11/2001
How Discovered:	Site Assessment/Site Investigation
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Other Means
Stop Description:	No longer using land for agriculture
No Further Action Date:	Not reported
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	86-90%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Extracted from Purcell, Rhodes, and Associates' August 9, 2007 Soi lremediation Work Plan, San Mateo County does not take responsibility for the accuracy of the statements made or any professional interpretations made in the referenced report. Harza. March 27, 2001 This study consisted ol four sample locations, with one location in each quadrant of the property. One or more chlorinated pesticides were detected in each of the four samplings. Chlordane concentrations ranged from 88 to 120 parts per billion (ppb), DDE ranged from 74 to 1,300 ppb, DDT ranged from 72 to 1,000 ppb, dieldrin was detected in two of the sample locations at concentrations of 21 and 130 ppb, and heptachlor epoxide was detected in two sample locations at concentrations of 90 and 760 ppb. ICES. Julv 8, 2002 A site assessment was conducted by Innovative & Creative Environmental Solutions (ICES) in 2002. Twentyfour soil samples were collected. The results of this assessment was that only two organochlorine pesticides, DDE and DDT were detected with total cumulative DD compound concentrations ranging to 1.895 parts per million (ppm) in the upper 9 inches of the giound surface. Below this depth, concentrations ranged from nondetect to 0.0089 ppm. None of these samples detected chlordane, dieldrin or heptachlor epoxide. Based upon the concentrations detected by Harza, ICES prepared a Work Plan for soil remediation by removal and disposal of the upper 6 to 9 inches of the entire site. This Work Plan was approved by the San Mateo County Health Department. Assessco. Inc.. September 21, 2006 Al conducted additional sampling and analysis at this site, and concluded that organochlorine pesticides Dieldrin, Heptachlor Epoxide, and DDD-DDE-DDT compounds, and the heavy metal arsenic were detected above regulatory criteria. Al prepared a Work Plan recommending that the upper 12 inches of soil in three designated excavation areas be removed for disposal at a license disposal facility. San Mateo Countv Health Department, October 26, 2006 The County Health Department (CHD) reviewed the proposed Work Plan prepared by Al, and provided comment. The CHD noted that the proposed depth and extent of proposed remediation are estimates and may be much greater than anticipated. The CHD commented that site specific clean up goals were not proposed, and that default regulatory criteria was proposed as clean up goals. The CHD was concerned over

1010 RUNNYMEDE (Continued) **S110121975**

the potential impact of the amount of excavation performed versus what could be considered acceptable for protection of human health and the environment, particularly with respect to arsenic. The CHD also noted the Work Plan did not present a methodology or frequency for confirmation sampling to assess clean up activities.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	KUNG PROPERTY
Address:	1010 RUNNYMEDE STREET
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	663755
CERS ID:	T0608106461
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

---

103 **ELECTRITE PLATING COMPANY INC** **ENVIROSTOR** **1000181332**
NE **1805 BAY ROAD** **LUST** **N/A**
1/2-1 **PALO ALTO, CA 94303** **FINDS**
0.690 mi. **ECHO**
3641 ft. **Cortese**
HIST CORTESE
Relative: Lower **CERS**

Actual: 18 ft.

ENVIROSTOR:

Name:	ELECTRITE COMPANY, INC
Address:	1805 BAY ROAD
City,State,Zip:	EAST PALO ALTO, CA 94303
Facility ID:	41340028
Status:	Refer: RWQCB
Status Date:	07/29/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Berkeley
Assembly:	21
Senate:	13
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

ELECTRITE PLATING COMPANY INC (Continued) **1000181332**

Funding: Not reported
Latitude: 37.47238
Longitude: -122.1345
APN: 63133130
Past Use: NONE SPECIFIED
Potential COC: * LIQUIDS WITH PH <= 2 * Metals - Sludge * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * ALKALINE SOLUTION 2<PH<12.5, WITH METALS Lead Cadmium and compounds Chromium VI Cyanide (free Nickel
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 063133130
Alias Type: APN
Alias Name: CAD009119959
Alias Type: EPA Identification Number
Alias Name: 41340028
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/20/1987
Comments: SITE SCREENING DONE FROM 1963 SITE USED FOR PLATING OPERATIONS. SURVEY FORM COMPLETED BY CO IN 1980 INDICATES WASTES DISPOSED OF TO THE SEWER. NO WASTES WERE DISPOSED OF OFF SITE PRIOR TO 1972

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/20/2007
Comments: Further Action required SFBRWQCB is the lead. Plating shop with illegal discharges to the sewer.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/03/1987
Comments: PRELIM ASSESS DONE SI MEDIUM TO ENCOMPASS EXTENT OF GRG WTR AND SOIL CONTMN.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/01/1980
Comments: FACILITY IDENTIFIED ACTIVE SITE I.D.'D IND. OF DRIVE BY * EQ

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:

ELECTRITE PLATING COMPANY INC (Continued) **1000181332**

Name:	ELECTRITE COMPANY INC
Address:	1805 BAY RD
City,State,Zip:	EAST PALO ALTO, CA 94303
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608101036
Global Id:	T0608101036
Latitude:	37.472383
Longitude:	-122.134547
Status:	Completed - Case Closed
Status Date:	04/13/2009
Case Worker:	Not reported
RB Case Number:	41-1127
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	899002
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	02/15/1994
Leak Reported Date:	02/15/1994
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	04/13/2009
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	66-70%
CA Enviroscreen 4 Score:	60-65%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Not reported

LUST:

Global Id:	T0608101036
Action Type:	RESPONSE
Date:	03/20/2001
Action:	Other Report / Document
Global Id:	T0608101036
Action Type:	ENFORCEMENT
Date:	04/13/2009
Action:	Closure/No Further Action Letter
Global Id:	T0608101036
Action Type:	Other
Date:	02/15/1994
Action:	Leak Reported
Global Id:	T0608101036

ELECTRITE PLATING COMPANY INC (Continued) **1000181332**

Action Type: ENFORCEMENT
Date: 11/01/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T0608101036
Action Type: Other
Date: 02/15/1994
Action: Leak Discovery

Global Id: T0608101036
Action Type: Other
Date: 02/15/1994
Action: Leak Stopped

LUST:
Global Id: T0608101036
Status: Open - Case Begin Date
Status Date: 02/15/1994

Global Id: T0608101036
Status: Open - Site Assessment
Status Date: 07/14/1998

Global Id: T0608101036
Status: Completed - Case Closed
Status Date: 04/13/2009

LUST REG 2:
Region: 2
Facility Id: 41-1127
Facility Status: Pollution Characterization
Case Number: 899002
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 7/14/1998
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

FINDS:
Registry ID: 110006466751

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

ELECTRITE PLATING COMPANY INC (Continued) **1000181332**

corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000181332
Registry ID:	110006466751
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006466751
Name:	ELECTRITE PLATING COMPANY INC
Address:	1805 BAY ROAD
City,State,Zip:	PALO ALTO, CA 94303

CORTESE:

Name:	ELECTRITE COMPANY INC
Address:	1805 BAY RD
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608101036
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ELECTRITE COMPANY INC
edr_fadd1:	1805 BAY
City,State,Zip:	EAST PALO ALTO, CA 94303
Region:	CORTESE
Facility County Code:	41
Reg By:	LTNKA
Reg Id:	41-1127

CERS:

Name:	ELECTRITE COMPANY INC
Address:	1805 BAY RD
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	652140
CERS ID:	T0608101036
CERS Description:	Leaking Underground Storage Tank Cleanup Site

104
West
1/2-1
0.818 mi.
4320 ft.

KNOWN
600 WILLOW ROAD
MENLO PARK, CA 92231

Notify 65 **S100178925**
N/A

Relative:
Higher

Actual:
40 ft.

NOTIFY 65:

Name:	KNOWN
Address:	600 WILLOW ROAD
City,State,Zip:	MENLO PARK, CA 92231
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

105
NNW
1/2-1
0.831 mi.
4390 ft.

SANFORD METAL PROCESSING INC
990 O BRIEN DR
MENLO PARK, CA 94025

RCRA-LQG **1001486823**
ENVIROSTOR **CAD981425580**

Relative:
Lower

Actual:
13 ft.

RCRA Listings:

Date Form Received by Agency:	20220411
Handler Name:	Sanford Metal Processing Inc
Handler Address:	O BRIEN DR
Handler City,State,Zip:	MENLO PARK, CA 94025
EPA ID:	CAD981425580
Contact Name:	JOSE SANDOVAL
Contact Address:	O BRIEN DR
Contact City,State,Zip:	MENLO PARK, CA 94025
Contact Telephone:	650-327-5172
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	O BRIEN DR
Mailing City,State,Zip:	MENLO PARK, CA 94025
Owner Name:	Martha Gonzalez
Owner Type:	Private
Operator Name:	Martha Gonzalez
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

SANFORD METAL PROCESSING INC (Continued) **1001486823**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220630
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D003
Waste Description:	Reactive Waste
Waste Code:	D006
Waste Description:	Cadmium

SANFORD METAL PROCESSING INC (Continued) **1001486823**

Waste Code: D007
Waste Description: Chromium

Waste Code: D035
Waste Description: Methyl Ethyl Ketone

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F006
Waste Description: Wastewater Treatment Sludges From Electroplating Operations, Except From The Following Processes: (1) Sulfuric Acid Anodizing Of Aluminum; (2) Tin Plating On Carbon Steel; (3) Zinc Plating (Segregated Basis) On Carbon Steel; (4) Aluminum Or Zinc-Aluminum Plating On Carbon Steel; (5) Cleaning/Stripping Associated With Tin, Zinc, And Aluminum Plating On Carbon Steel; And (6) Chemical Etching And Milling Of Aluminum.

Waste Code: F007
Waste Description: Spent Cyanide Plating Bath Solutions From Electroplating Operations.

Waste Code: F008
Waste Description: Plating Bath Residues From The Bottom Of Plating Baths From Electroplating Operations In Which Cyanides Are Used In The Process.

Waste Code: F009
Waste Description: Spent Stripping And Cleaning Bath Solutions From Electroplating Operations In Which Cyanides Are Used In The Process.

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: MARTHA GONZALEZ
Legal Status: Private
Date Became Current: 20170501
Date Ended Current: Not reported
Owner/Operator Address: 990 O'BRIEN DRIVE
Owner/Operator City,State,Zip: MENLO PARK, CA 94025
Owner/Operator Telephone: 650-327-5172
Owner/Operator Telephone Ext: Not reported

SANFORD METAL PROCESSING INC (Continued) **1001486823**

Owner/Operator Fax: Not reported
Owner/Operator Email: MARTHA@SANFORDMETAL.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: MARTHA GONZALEZ
Legal Status: Private
Date Became Current: 20170501
Date Ended Current: Not reported
Owner/Operator Address: 990 O BRIEN DR
Owner/Operator City,State,Zip: MENLO PARK, CA 94025
Owner/Operator Telephone: 650-327-5172
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MARTHA@SANFORDMETAL.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: JOSE SANDOVAL
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 990 O BRIEN DR
Owner/Operator City,State,Zip: MENLO PARK, CA 94025
Owner/Operator Telephone: 650-327-5172
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220411
Handler Name: SANFORD METAL PROCESSING INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19990512
Handler Name: SANFORD METAL PROCESSING INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900430
Handler Name: SANFORD METAL PROCESSING INC.
Federal Waste Generator Description: Large Quantity Generator

SANFORD METAL PROCESSING INC (Continued) **1001486823**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920303
Handler Name: SANFORD METAL PROCESSING CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960221
Handler Name: SANFORD METAL PROCESSING, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 331492
NAICS Description: SECONDARY SMELTING, REFINING, AND ALLOYING OF NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM)

NAICS Code: 332813
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

SANFORD METAL PROCESSING INC (Continued) **1001486823**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050211
Actual Return to Compliance Date: 20050311
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 501
Date of Enforcement Action: 20050211
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

SANFORD METAL PROCESSING INC (Continued) **1001486823**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19990331
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	KMORI
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20050211
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20050311
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	SANFORD METAL PROCESSING CO.
Address:	990 O'BRIEN DRIVE
City,State,Zip:	MENLO PARK, CA 94025
Facility ID:	71002837
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Berkeley
Assembly:	21
Senate:	13
Special Program:	Not reported

SANFORD METAL PROCESSING INC (Continued) **1001486823**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.47493
Longitude: -122.1516
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981425580
Alias Type: EPA Identification Number
Alias Name: 110021329463
Alias Type: EPA (FRS #)
Alias Name: 71002837
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 08/31/1998
Comments: Inspection report sent on 8/31/1998

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

V106 **STARLINK LOGISTICS INC** **SEMS** **1009966366**
NE **1990 BAY ROAD** **CORRACTS** **CAT000611350**
1/2-1 **EAST PALO ALTO, CA 94303** **RCRA-TSDF**
0.927 mi. **RCRA-SQG**
4896 ft. **Site 1 of 5 in cluster V** **2020 COR ACTION**
ROD
Relative: Lower **PRP**
Actual: 12 ft.

SEMS:
Site ID: 0902629
EPA ID: CAT000611350
Name: RHONE-POULENC, INC./ZOECON CORP.
Address: 1990 BAY ROAD
Address 2: Not reported
City,State,Zip: EAST PALO ALTO, CA 94303
Cong District: 14
FIPS Code: 06081
Latitude: 37.472778
Longitude: -122.129167
FF: N
NPL: Removed from Proposed NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 09

STARLINK LOGISTICS INC (Continued) **1009966366**

Site ID:	0902629
EPA ID:	CAT000611350
Site Name:	RHONE-POULENC, INC./ZOECON CORP.
NPL:	R
FF:	N
OU:	01
Action Code:	MA
Action Name:	ST COOP
SEQ:	1
Start Date:	1989-04-30 04:00:00
Finish Date:	2016-09-28 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902629
EPA ID:	CAT000611350
Site Name:	RHONE-POULENC, INC./ZOECON CORP.
NPL:	R
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-07-01 05:00:00
Finish Date:	1984-07-01 05:00:00
Qual:	H
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902629
EPA ID:	CAT000611350
Site Name:	RHONE-POULENC, INC./ZOECON CORP.
NPL:	R
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1990-09-19 04:00:00
Finish Date:	1990-09-19 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902629
EPA ID:	CAT000611350
Site Name:	RHONE-POULENC, INC./ZOECON CORP.
NPL:	R
FF:	N
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1992-03-04 05:00:00
Finish Date:	1992-03-04 05:00:00
Qual:	R

STARLINK LOGISTICS INC (Continued) **1009966366**

Current Action Lead: EPA Perf

Region: 09
Site ID: 0902629
EPA ID: CAT000611350
Site Name: RHONE-POULENC, INC./ZOECON CORP.
NPL: R
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-08-01 04:00:00
Finish Date: 1980-08-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902629
EPA ID: CAT000611350
Site Name: RHONE-POULENC, INC./ZOECON CORP.
NPL: R
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1991-10-11 04:00:00
Finish Date: 1991-10-11 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902629
EPA ID: CAT000611350
Site Name: RHONE-POULENC, INC./ZOECON CORP.
NPL: R
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 2
Start Date: 1982-03-01 05:00:00
Finish Date: 1984-08-01 05:00:00
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902629
EPA ID: CAT000611350
Site Name: RHONE-POULENC, INC./ZOECON CORP.
NPL: R
FF: N
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 1

STARLINK LOGISTICS INC (Continued) **1009966366**

Start Date: 1984-10-15 05:00:00
Finish Date: 1984-10-15 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902629
EPA ID: CAT000611350
Site Name: RHONE-POULENC, INC./ZOECON CORP.
NPL: R
FF: N
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1984-08-01 05:00:00
Finish Date: 1984-08-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902629
EPA ID: CAT000611350
Site Name: RHONE-POULENC, INC./ZOECON CORP.
NPL: R
FF: N
OU: 01
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 2000-08-10 04:00:00
Finish Date: Not reported
Qual: E
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902629
EPA ID: CAT000611350
Site Name: RHONE-POULENC, INC./ZOECON CORP.
NPL: R
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 3
Start Date: 1982-03-01 05:00:00
Finish Date: 1984-08-01 05:00:00
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902629
EPA ID: CAT000611350
Site Name: RHONE-POULENC, INC./ZOECON CORP.
NPL: R
FF: N
OU: 00

STARLINK LOGISTICS INC (Continued) **1009966366**

Action Code:	NR
Action Name:	REM PROP
SEQ:	1
Start Date:	1989-10-04 04:00:00
Finish Date:	1989-10-04 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902629
EPA ID:	CAT000611350
Site Name:	RHONE-POULENC, INC./ZOECON CORP.
NPL:	R
FF:	N
OU:	01
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	1
Start Date:	1987-08-27 04:00:00
Finish Date:	1992-03-04 05:00:00
Qual:	Not reported
Current Action Lead:	St Ovrsght
Region:	09
Site ID:	0902629
EPA ID:	CAT000611350
Site Name:	RHONE-POULENC, INC./ZOECON CORP.
NPL:	R
FF:	N
OU:	01
Action Code:	BE
Action Name:	PRP RD
SEQ:	1
Start Date:	1992-03-31 05:00:00
Finish Date:	1992-04-30 04:00:00
Qual:	Not reported
Current Action Lead:	St Ovrsght
Region:	09
Site ID:	0902629
EPA ID:	CAT000611350
Site Name:	RHONE-POULENC, INC./ZOECON CORP.
NPL:	R
FF:	N
OU:	01
Action Code:	MA
Action Name:	ST COOP
SEQ:	2
Start Date:	1989-09-15 04:00:00
Finish Date:	2016-09-29 05:00:00
Qual:	Not reported
Current Action Lead:	St Ovrsght

CORRACTS:

Name:	STARLINK LOGISTICS INC
Address:	1990 BAY ROAD

STARLINK LOGISTICS INC (Continued) **1009966366**

Address 2: Not reported
EPA ID: CAT000611350
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19890919
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19890919
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19890919
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: ENTIRE FACILITY
Corrective Action: CMS WORKPLAN APPROVED
Actual Date: 19880613
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Actual Date: 19940411
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: UPLAND OU ANNEX
Corrective Action: CMS COMPLETE
Actual Date: 19911130
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: UPLAND OU ANNEX
Corrective Action: CMI WORKPLAN APPROVED
Actual Date: 19940307
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: UPLAND OPERABLE UNIT
Corrective Action: CMI WORKPLAN APPROVED
Actual Date: 19920501
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS EXPOSURE CONTROL
Actual Date: 19870327
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL

STARLINK LOGISTICS INC (Continued) **1009966366**

and/OR TRT
Actual Date: 19910619
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: STARLINK LOGISTICS INC
Address: 1990 BAY ROAD
Address 2: Not reported
EPA ID: CAT000611350
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION CONSTRUCTION COMPLETED - OTHER
Actual Date: 19910930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
13 additional CORRACTS: record(s) in the EDR Site Report.

RCRA TSDF:
Treatment Storage and Disposal Type: Storage, Treatment
Full Enforcement Universe: Not reported
Corrective Action Workload Universe: Yes
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Storage, Treatment
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
Operating TSDF Universe: Not reported
Commercial TSD Indicator: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: Yes

Biennial: List of Years
Year: 2003

Click Here for Biennial Reporting System Data:

RCRA Listings:
Date Form Received by Agency: 20160719
Handler Name: Starlink Logistics Inc
Handler Address: BAY ROAD
Handler City,State,Zip: EAST PALO ALTO, CA 94303
EPA ID: CAT000611350
Contact Name: STUART S DEARDEN
Contact Address: MAIL CODE 55A-300A
Contact City,State,Zip: BRIDGEWATER, NJ 08807
Contact Telephone: 908-981-5277
Contact Fax: Not reported
Contact Email: STUART.DEARDEN@SANOFI.COM

STARLINK LOGISTICS INC (Continued) **1009966366**

Contact Title:	DIRECTOR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	MAIL CODE 55A-300A
Mailing City,State,Zip:	BRIDGEWATER, NJ 08807
Owner Name:	Starlink Logistics Inc
Owner Type:	Private
Operator Name:	Starlink Logistics Inc
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Corrective Action
Handler Date of Last Change:	20160908
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

STARLINK LOGISTICS INC (Continued) **1009966366**

Biennial: List of Years
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D004
Waste Description: Arsenic

Waste Code: D006
Waste Description: Cadmium

Waste Code: D008
Waste Description: Lead

Waste Code: D009
Waste Description: Mercury

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: STARLINK LOGISTICS INC
Legal Status: Private
Date Became Current: 20020204
Date Ended Current: Not reported
Owner/Operator Address: MAIL CODE 55A-520A
Owner/Operator City,State,Zip: BRIDGEWATER, NJ 08807
Owner/Operator Telephone: 908-981-5277
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: STARLINK LOGISTICS INC
Legal Status: Private
Date Became Current: 20020204
Date Ended Current: Not reported
Owner/Operator Address: MAIL CODE 55A-520A
Owner/Operator City,State,Zip: BRIDGEWATER, NJ 08807
Owner/Operator Telephone: 908-981-5277
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SLLI
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: ONE COPLEY PARKWAY, SUITE 309
Owner/Operator City,State,Zip: MORRISVILLE, NC 27560
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SLLI
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SLLI
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: ONE COPLEY PARKWAY, SUITE 309
Owner/Operator City,State,Zip: MORRISVILLE, NC 27560
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: STARLINK LOGISTICS INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: ONE COPLEY PKWY STE 309
Owner/Operator City,State,Zip: MORRISVILLE, NC 27560
Owner/Operator Telephone: 919-678-6065
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SIBBERT, E DENNIS SIBBERT REAL ESTATE
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1990 BAY RD
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 415-857-1130
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SLLI
Legal Status: Private
Date Became Current: 20020101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: STARLINK LOGISTICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20030224
Handler Name: 1990 BAY ROAD
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930326
Handler Name: STARLINK LOGISTICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020821
Handler Name: STARLINK LOGISTICS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Receive Date: 20160719
Handler Name: STARLINK LOGISTICS INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900411
Handler Name: SANDOZ CROP PROT/ZOECON CORP CHEM
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: SANDOZ AGRO, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940325
Handler Name: SANDOZ AGRO INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20030224
Handler Name: 1990 BAY ROAD
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

STARLINK LOGISTICS INC (Continued) **1009966366**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32532
NAICS Description:	PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING
NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES
NAICS Code:	562910
NAICS Description:	REMEDIATION SERVICES

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19880129
Actual Return to Compliance Date:	19890727
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880129
Actual Return to Compliance Date:	19890727
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19890502
Actual Return to Compliance Date:	19890727
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890721
Enforcement Identifier:	003
Date of Enforcement Action:	19890619
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19880129
Actual Return to Compliance Date: 19890727
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19880303
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920115
Actual Return to Compliance Date:	19920406
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19920305
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	3900
Final Monetary Amount:	3500
Paid Amount:	Not reported
Final Count:	1
Final Amount:	3500

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880129
Actual Return to Compliance Date:	19890727
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880303
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19920828
Actual Return to Compliance Date: 19970828
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19920115
Actual Return to Compliance Date:	19920406
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19920305
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 3900
Final Monetary Amount: 3500
Paid Amount: Not reported
Final Count: 1
Final Amount: 3500

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19920406
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19920305
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 3900
Final Monetary Amount: 3500
Paid Amount: Not reported
Final Count: 1
Final Amount: 3500

STARLINK LOGISTICS INC (Continued) **1009966366**

Evaluation Action Summary:

Evaluation Date:	19880129
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890727
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880129
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890727
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890502
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890727
Scheduled Compliance Date:	19890721
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880129
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890727
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910731
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE

STARLINK LOGISTICS INC (Continued) **1009966366**

Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920406
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880129
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890727
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920828
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970828
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880108
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910731
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920406
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910731
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920406
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

STARLINK LOGISTICS INC (Continued) **1009966366**

2020 COR ACTION:
EPA ID: CAT000611350
Region: 9
Action: Remedy Construction

ROD:
Name: RHONE-POULENC, INC./ZOECON CORP.
Address: 1990 BAY ROAD
City,State,Zip: EAST PALO ALTO, CA 94303
EPA ID: CAT000611350
RG: 9
Site ID: 902629
Action: GOVT ROD for PRP Remedy
Operable Unit Number: OVERALL SITE
SEQ ID: 1
Action Completion: 1992-03-04 00:00:00
NPL Status: Removed from Proposed NPL
Non NPL Status: Not reported

PRP:
PRP Name: STARLINK LOGISTICS, INC.

V107 **RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERAB** **CPS-SLIC** **S111865974**
NE **1990 BAY ROAD** **HWP** **N/A**
1/2-1 **EAST PALO ALTO, CA 94303** **CERS**
0.927 mi.
4896 ft. **Site 2 of 5 in cluster V**

Relative:
Lower

Actual:
12 ft.

CPS-SLIC:
Name: RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERABLE UNIT AND ANNEX
Address: 1990 BAY ROAD
City,State,Zip: EAST PALO ALTO, CA 94303
Region: STATE
Facility Status: **Open - Long Term Management**
Status Date: 06/09/2020
Global Id: T10000010289
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 37.47218
Longitude: -122.129
Case Type: Cleanup Program Site
Case Worker: STG
Local Agency: Not reported
RB Case Number: 41S0075
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Arsenic
EPA Region: 9
Coordinate Source: Not reported
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 04/05/2017
Leak Reported Date: Not reported
How Discovered: Not reported
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported

RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERABLE UNIT AN (Continued) **S111865974**

Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	Not reported
CA Water Watershed Name:	Santa Clara - Palo Alto (205.50)
Dwr Groundwater Subbasin Name:	Santa Clara Valley - San Mateo Plain (2-009.03)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	86-90%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Site History:	Site was used for industrial purposes for 60 years. Early 1929 until 1960's sodium arsenate was formulated at the site. From 1972 to present biorational insect controls have been manufactured at the facility.

Click here to access the California GeoTracker records for this facility:

HWP:

EPA ID:	CAT000611350
Name:	STARLINK LOGISTICS INC
Address:	1990 BAY RD
Cleanup Status:	CLOSED
Latitude:	37.47324
Longitude:	-122.1299
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	13
Assembly District:	21
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	Not reported
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	86-90%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAT000611350
Facility Type:	Historical - Non-Operating
Facility Name:	STARLINK LOGISTICS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1985-02-19 00:00:00
Type:	Not reported

RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERABLE UNIT AN (Continued) **S111865974**

Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 02/19/1985

EPA ID: CAT000611350
Facility Type: Historical - Non-Operating
Facility Name: STARLINK LOGISTICS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1985-02-19 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 02/19/1985

EPA ID: CAT000611350
Facility Type: Historical - Non-Operating
Facility Name: STARLINK LOGISTICS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1985-02-19 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1, TANKTRT1
Event Description: New Operating Permit - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 04/06/1981

EPA ID: CAT000611350
Facility Type: Historical - Non-Operating
Facility Name: STARLINK LOGISTICS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: Renewal - Historical
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: Not reported

RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERABLE UNIT AN (Continued) **S111865974**

Title Description:	Imported 12/2011:PERMIT2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Renewal - Historical - APPLICATION PART B RECEIVED
Actual Date:	03/02/1990
EPA ID:	CAT000611350
Facility Type:	Historical - Non-Operating
Facility Name:	STARLINK LOGISTICS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1985-02-19 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1, TANKTRT1
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	10/03/1984
EPA ID:	CAT000611350
Facility Type:	Historical - Non-Operating
Facility Name:	STARLINK LOGISTICS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1985-02-19 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1, TANKTRT1
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	02/19/1990
EPA ID:	CAT000611350
Facility Type:	Historical - Non-Operating
Facility Name:	STARLINK LOGISTICS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1985-02-19 00:00:00
Type:	Not reported

RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERABLE UNIT AN (Continued) **S111865974**

Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA ID: CAT000611350
Facility Type: Historical - Non-Operating
Facility Name: STARLINK LOGISTICS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1985-02-19 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1, TANKTRT1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 10/29/1982

EPA ID: CAT000611350
Facility Type: Historical - Non-Operating
Facility Name: STARLINK LOGISTICS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1985-02-19 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 06/20/1983

EPA ID: CAT000611350
Facility Type: Historical - Non-Operating
Facility Name: STARLINK LOGISTICS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1985-02-19 00:00:00
Type: Not reported

RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERABLE UNIT AN (Continued) **S111865974**

Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1, TANKTRT1
Event Description:	New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date:	03/08/1984

Closure:

EPA ID:	CAT000611350
Facility Type:	Historical - Non-Operating
Facility Name:	STARLINK LOGISTICS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	Not reported
Title Description:	Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1, TANKTRT1
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	07/06/1993

EPA ID:	CAT000611350
Facility Type:	Historical - Non-Operating
Facility Name:	STARLINK LOGISTICS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	Not reported
Title Description:	Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1, TANKTRT1
Event Description:	Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date:	06/17/1993

CERS:

Name:	CATALYTICA BAY VIEW, INC.
Address:	1990 BAY RD.
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	458274
CERS ID:	110000482665
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	CHARLES E PICKETT
Entity Title:	Not reported

RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERABLE UNIT AN (Continued) **S111865974**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	CHARLES PICKETT
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Name:	RHONE-POULENC - 1990 BAY ROAD SITE - UPLAND OPERABLE UNIT AND ANNEX
Address:	1990 BAY ROAD
City,State,Zip:	EAST PALO ALTO, CA 94303
Site ID:	680194
CERS ID:	T10000010289
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SHERRY GAMBOA - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:	Not reported
Affiliation Address:	1515 Clay Street
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

V108 **STARLINK LOGISTICS INC** **ENVIROSTOR** **S111842260**
NE **1990 BAY RD** **N/A**
1/2-1 **EAST PALO ALTO, CA 94303**
0.927 mi.
4896 ft. **Site 3 of 5 in cluster V**

Relative: **Lower**
Actual: **12 ft.**

ENVIROSTOR:

Name:	STARLINK LOGISTICS INC
Address:	1990 BAY RD
City,State,Zip:	EAST PALO ALTO, CA 943030000
Facility ID:	80001775
Status:	Refer: RWQCB
Status Date:	05/13/1994
Site Code:	200430
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0.5
NPL:	NO
Regulatory Agencies:	RWQCB 2 - San Francisco Bay
Lead Agency:	RWQCB 2 - San Francisco Bay
Program Manager:	Denise Tsuji

STARLINK LOGISTICS INC (Continued) **S111842260**

Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Assembly: 21
Senate: 13
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.47324
Longitude: -122.1299
APN: 63122020
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 063122020
Alias Type: APN
Alias Name: CAT000611350
Alias Type: EPA Identification Number
Alias Name: SL0608148082
Alias Type: GeoTracker Global ID
Alias Name: 200112
Alias Type: Site Code - Historical
Alias Name: 200112
Alias Type: Site Code - Historical
Alias Name: 200112
Alias Type: Site Code - Historical
Alias Name: 200112
Alias Type: Site Code - Historical
Alias Name: 200112
Alias Type: Project Code (Site Code)
Alias Name: 200430
Alias Type: Project Code (Site Code)
Alias Name: 41280121
Alias Type: Envirostor ID Number
Alias Name: 80001775
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/08/2012
Comments: RWQCB lead. For informational purpose only; DTSC did not review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/21/1996
Comments: Received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 07/21/1997
Comments: Received.

Completed Area Name: PROJECT WIDE

STARLINK LOGISTICS INC (Continued) **S111842260**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/21/1997
Comments: Send.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 08/04/2005
Comments: Received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 07/02/1997
Comments: Received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 09/22/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 10/17/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 06/30/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 07/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 07/16/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 07/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/1993

STARLINK LOGISTICS INC (Continued) **S111842260**

Comments: Received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/24/1998
Comments: Send.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2004
Comments: Received.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: UPLAND OU ANNEX
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 03/31/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/19/1989
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: UPLAND OPERABLE UNIT
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 02/24/1992
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOUTH OF WEEK STREET SUBAREA
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 07/16/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 04/30/1997
Comments: Received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Settlement - Administrative
Completed Date: 03/18/1998
Comments: Send.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 07/16/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE

STARLINK LOGISTICS INC (Continued) **S111842260**

Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/20/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/27/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 10/14/1997
Comments: Issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/01/1998
Comments: send.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/23/1999
Comments: Send.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/28/2003
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2000
Comments: Received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2001
Comments: Received.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 04/11/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/01/1984

STARLINK LOGISTICS INC (Continued) **S111842260**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/01/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 05/22/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 03/27/1987
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: UPLAND OPERABLE UNIT
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 06/30/1993
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: UPLAND OPERABLE UNIT
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/01/1992
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: UPLAND OU ANNEX
Completed Document Type: Corrective Measures Study Report
Completed Date: 11/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 06/13/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 09/19/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 06/13/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE

STARLINK LOGISTICS INC (Continued) **S111842260**

Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/30/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 06/19/1991
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: UPLAND OU ANNEX
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 03/07/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: UPLAND OU ANNEX
Completed Document Type: Design/Implementation Workplan
Completed Date: 03/07/1994
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: UPLAND OPERABLE UNIT
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 05/01/1992
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

V109 **ZOECON/RHONE-POULENC** **ENVIROSTOR** **S111842211**
NE **1990 BAY ROAD** **N/A**
1/2-1 **EAST PALO ALTO, CA 94303**
0.927 mi.
4896 ft. **Site 4 of 5 in cluster V**

Relative: **Lower**
Actual: **12 ft.**

ENVIROSTOR:
Name: ZOECON/RHONE-POULENC
Address: 1990 BAY ROAD
City,State,Zip: EAST PALO ALTO, CA 94303
Facility ID: 41280121
Status: Refer: RWQCB
Status Date: 01/01/1991
Site Code: 200286
Site Type: Federal Superfund
Site Type Detailed: State Response or NPL
Acres: 0.5
NPL: YES
Regulatory Agencies: RWQCB 2 - San Francisco Bay

ZOECON/RHONE-POULENC (Continued) **S111842211**

Lead Agency:	RWQCB 2 - San Francisco Bay
Program Manager:	Not reported
Supervisor:	Barbara Cook
Division Branch:	Cleanup Berkeley
Assembly:	21
Senate:	13
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	37.4729
Longitude:	-122.1294
APN:	63122020
Past Use:	MANUFACTURING - PESTICIDES
Potential COC:	* HALOGENATED ORGANIC COMPOUNDS * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * ORGANIC MONOMER WASTE, INCLUDING UNREACTED RESINS * OXYGENATED SOLVENTS * Pesticides - Wastes From Production * CONTAMINATED SOIL * WASTE OIL & MIXED OIL * ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS Arsenic Lead Cadmium and compounds Mercury and compounds Selenium
Confirmed COC:	NONE SPECIFIED
Potential Description:	SED, SOIL
Alias Name:	CALL MAC TRANSPORTATION
Alias Type:	Alternate Name
Alias Name:	CHIPMAN CHEMICAL
Alias Type:	Alternate Name
Alias Name:	SAMDOZ
Alias Type:	Alternate Name
Alias Name:	063122020
Alias Type:	APN
Alias Name:	CAD982358731
Alias Type:	EPA Identification Number
Alias Name:	110000749049
Alias Type:	EPA (FRS #)
Alias Name:	110033621043
Alias Type:	EPA (FRS #)
Alias Name:	P21069
Alias Type:	PCode
Alias Name:	200286
Alias Type:	Project Code (Site Code)
Alias Name:	41280121
Alias Type:	Envirostor ID Number
Alias Name:	80001775
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/27/1989
Comments:	Preliminary Assessment Done: Site is in the middle of Zoecon/Rhone - Poulenc, an NPL site. A former pesticide manufacturing palnt, groundwater and soil are contaminated with arsenic.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Participation Plan / Community Relations Plan
Completed Date:	05/30/1988

ZOECON/RHONE-POULENC (Continued) **S111842211**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/19/1987
Comments: SITE SCREENING DONE SHELL DEVELOPMENT CO DISP SURFACE WSTS FROM LEAKING DRUMS AND BURIED DRUMS. BURIED DRUMS REMOVED. CONTM W/ AS FROM CHIPMAN CHEM AND ORGANIC AMINES FROM LEAKING DRUMS (CALMAC). CONTM SOIL MAY STILL BE ON SITE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/30/1987
Comments: RA 1: FENCED AND POST

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/27/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 08/27/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/10/1981
Comments: FACILITY IDENTIFIED INACTIVE SITE ID'D IN INITIAL RESEARCH

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

V110 **ZOECON/RHONE - POULENC** **CA BOND EXP. PLAN** **S105960438**
NE **1990 BAY ROAD** **N/A**
1/2-1 **EAST PALTO ALTO, CA 94303**
0.927 mi.
4896 ft. **Site 5 of 5 in cluster V**

Relative:
Lower

Actual:
12 ft.

CA BOND EXP. PLAN:
Reponsible Party: NPL SITE CLEANUP WORKPLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: The responsible party has entered into an enforceable agreement with DHS for oversight/monitoring of their cleanup effort. Rhone-Poulenc has funded all

ZOECON/RHONE - POULENC (Continued) **S105960438**

remedial activities. Under the terms of the consent order, Rhone-Poulenc has reimbursed DHS for past costs and has agreed to fund all future DHS oversight costs. DHS has budgeted $50,000 for oversight costs.

Site Description: This site consists of the Zoecon/Sandoz Corporation property located at 1990 Bay Road, East Palo Alto and contiguous lands of J.G. Torres, Incorporated (formerly the Weeks property), Pacific Gas and Electric, and a nontidal marsh. The immediate areais zoned for industrial use. Since 1972, the Zoecon/Sandoz property (5.19 acres) has been used to formulate and manufacture insect control products. Prior to this time, the site was used by Rhone-Poulenc and related companies to formulate, manufacture, store and distribute sodium arsenite herbicide and pesticide products.

Hazardous Waste Desc: Soil and ground water at and immediately adjacent to the site are extensively contaminated with arsenic as a result of past arsenic pesticide production at the site by Rhone-Poulenc and related companies.

Threat To Public Health & Env: The site is fenced and posted. Contaminants may continue to migrate offsite via surface water runoff, wind dispersion and ground waer transport. This could result in human and animal exposure from direct contact with contaminated soil and water or consumption of contaminated surface water. In addition, the contamination threatens to degrade the environmental quality of the marsh.

Site Activity Status: Rhone-Poulenc has conducted an investigation to characterize the nature and extent of soil and ground water contamination at the site. A work plan is being developed to supplement this work and complete the remedial investigation and feasibility study. Remedial activities are being conducted under a consent order signed by Rhone-Poulenc, the Department, and the Regional Water Quality Control Board in September, 1987. Rhone-Poulenc has also installed approximately 30 ground water monitoring wells which are being regularly monitored to comply with waste discharge requirements issued by the RWQCB.

111
NNW
1/2-1
0.976 mi.
5155 ft.

WILLOW OFFICE PARK **ENVIROSTOR** **S121475158**
1350-1390 WILLOW RD., 925-1098 HAMILTON AVE. & 1005-1275 HAM **VCP** **N/A**
MENLO PARK, CA 94025 **AQUEOUS FOAM**

Relative:
Lower

Actual:
10 ft.

ENVIROSTOR:

Name:	WILLOW OFFICE PARK
Address:	1350-1390 WILLOW RD., 925-1098 HAMILTON AVE. & 1005-1275 HAMILTON CT.
City,State,Zip:	MENLO PARK, CA 94025
Facility ID:	60002595
Status:	Active
Status Date:	01/04/2018
Site Code:	202169
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	56
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Stuart St Clair
Supervisor:	Joseph Tapia
Division Branch:	Engineering & Special Projects
Assembly:	21
Senate:	13
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	37.47841

WILLOW OFFICE PARK (Continued) **S121475158**

Longitude: -122.1488
APN: NONE SPECIFIED
Past Use: AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride 1,2-Dichloroethylene (cis
Confirmed COC: 30 022 300 273 002 800 000
Potential Description: OTH, SV
Alias Name: 202169
Alias Type: Project Code (Site Code)
Alias Name: 60002595
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/11/2021
Comments: Work plan with recommendations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/16/2021
Comments: Community Survey sent out 6/16/2021.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 12/22/2020
Comments: Supplemental Investigation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/28/2020
Comments: Final approved via email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 02/03/2021
Comments: Data report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/22/2019
Comments: No response needed - RP will follow up with work plan for further characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/16/2019
Comments: approved via email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

WILLOW OFFICE PARK (Continued) **S121475158**

Completed Document Type: Technical Report
Completed Date: 03/27/2019
Comments: DTSC letter will be followed by scoping meeting with RP to determine next steps

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/30/2019
Comments: DTSC reviewed Notice of Preparation and has no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 03/01/2021
Comments: Had a discussion with Bob Boggs on 3/1/2021 regarding Tribal engagement; DTSC is not the lead on this much larger development project. The developers are conducting an archeological investigation for the proposed work. Bob will re-connect with OEE Tribal Affairs upon the completion of this investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2021
Comments: Annual Schedule and Cost Estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation
Completed Date: 04/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 04/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

WILLOW OFFICE PARK (Continued) **S121475158**

Schedule Document Type: Supplemental Site Investigation Report
Schedule Due Date: 05/06/2023
Schedule Revised Date: Not reported

VCP:
Name: WILLOW OFFICE PARK
Address: 1350-1390 WILLOW RD., 925-1098 HAMILTON AVE. & 1005-1275 HAMILTON CT.
City,State,Zip: MENLO PARK, CA 94025
Facility ID: 60002595
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 56
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Stuart St Clair
Supervisor: Joseph Tapia
Division Branch: Engineering & Special Projects
Site Code: 202169
Assembly: 21
Senate: 13
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: Active
Status Date: 01/04/2018
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.47841 / -122.1488
APN: NONE SPECIFIED
Past Use: AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS
Potential COC: 30022, 30027, 30028, 30195
Confirmed COC: 30,022,300,273,002,800,000
Potential Description: OTH, SV
Alias Name: 202169
Alias Type: Project Code (Site Code)
Alias Name: 60002595
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/11/2021
Comments: Work plan with recommendations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/16/2021
Comments: Community Survey sent out 6/16/2021.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 12/22/2020
Comments: Supplemental Investigation

WILLOW OFFICE PARK (Continued) **S121475158**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/28/2020
Comments: Final approved via email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 02/03/2021
Comments: Data report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/22/2019
Comments: No response needed - RP will follow up with work plan for further characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/16/2019
Comments: approved via email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/27/2019
Comments: DTSC letter will be followed by scoping meeting with RP to determine next steps

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/30/2019
Comments: DTSC reviewed Notice of Preparation and has no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 03/01/2021
Comments: Had a discussion with Bob Boggs on 3/1/2021 regarding Tribal engagement; DTSC is not the lead on this much larger development project. The developers are conducting an archeological investigation for the proposed work. Bob will re-connect with OEE Tribal Affairs upon the completion of this investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2021
Comments: Annual Schedule and Cost Estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation

WILLOW OFFICE PARK (Continued) **S121475158**

Completed Date: 04/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Consultation
Completed Date: 04/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Supplemental Site Investigation Report
Schedule Due Date: 05/06/2023
Schedule Revised Date: Not reported

AQUEOUS FOAM:
Object ID: Not reported
Name: WILLOW OFFICE PARK
Address: 1350-1390 WILLOW RD., 925-1098 HAMILTON AVE. & 1005-1275 HAMILTON CT.
City,State,Zip: MENLO PARK, CA
Airport ID: Not reported
Airport Class: Not reported
Lead Agency: Not reported
Lead Agency Name: Not reported
Contact URL: Not reported
Global ID: Not reported
Geotracker: Not reported
Latitude: 37.478411
Longitude: -122.148807
Envirostor ID: 60002595
Program Type: VOLUNTARY CLEANUP
Status: ACTIVE
Status Date: 1/4/2018
Calenviroscreen Score: 60-65%
Site Code: 202169

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EAST PALO ALTO	1003879293	CALMAC CHEMICAL	END OF WEEKS ST	94303	SEMS-ARCHIVE
EAST PALO ALTO	S106234944	PENINSULA SPORTSMENS CLUB	UNIVERSITY AVENUE		CPS-SLIC
EAST PALO ALTO	S106235145	FORMER RAIL SPUR EAST PALO ALTO RI	VICINITY OF BAY RD		CPS-SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2023
Date Data Arrived at EDR: 03/28/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/31/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 54

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/12/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/26/2023
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/27/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/18/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 27
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/19/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/15/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 55
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/01/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/16/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/18/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 06/12/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/15/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/12/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2023
Date Data Arrived at EDR: 05/24/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/24/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/13/2023
Date Data Arrived at EDR: 06/14/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 61

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/25/2023
Date Data Arrived at EDR: 03/31/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 54

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 59

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/23/2023
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/24/2023
Date Data Arrived at EDR: 05/30/2023
Date Made Active in Reports: 08/21/2023
Number of Days to Update: 83

Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/17/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/24/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 82

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/19/2023
Number of Days to Update: 82

Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/03/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 83

Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 04/23/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77
Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88
Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Annually

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89

Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432

Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1469

Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 07/13/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412

Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77
Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 816
Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 07/24/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79
Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78
Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455

Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1461

Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/09/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 06/28/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 85

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/14/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/14/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/23/2023
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/09/2023
Date Data Arrived at EDR: 03/10/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 75
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing
Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20
Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region’s active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI
Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 03/29/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 75

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/10/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 82

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 75

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 13

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/03/2023
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/31/2023
Number of Days to Update: 34

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/06/2023
Date Made Active in Reports: 06/26/2023
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/11/2023
Date Made Active in Reports: 06/26/2023
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/13/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/20/2023
Date Data Arrived at EDR: 06/22/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 48

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/02/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/07/2023
Number of Days to Update: 80
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/05/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 81

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/01/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/12/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/12/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 62

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/09/2023
Date Data Arrived at EDR: 05/10/2023
Date Made Active in Reports: 08/01/2023
Number of Days to Update: 83

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 04/11/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 89
Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/11/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/27/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 80

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/27/2023
Date Data Arrived at EDR: 04/21/2023
Date Made Active in Reports: 07/07/2023
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 12

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 56

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/27/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2160 EUCLID AVENUE
2160 EUCLID AVENUE
PALO ALTO, CA 94303

TARGET PROPERTY COORDINATES

Latitude (North):	37.463737 - 37° 27' 49.45''
Longitude (West):	122.143257 - 122° 8' 35.73''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	575766.8
UTM Y (Meters):	4146458.5
Elevation:	22 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12016467 PALO ALTO, CA
Version Date:	2018
East Map:	12016461 MOUNTAIN VIEW, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

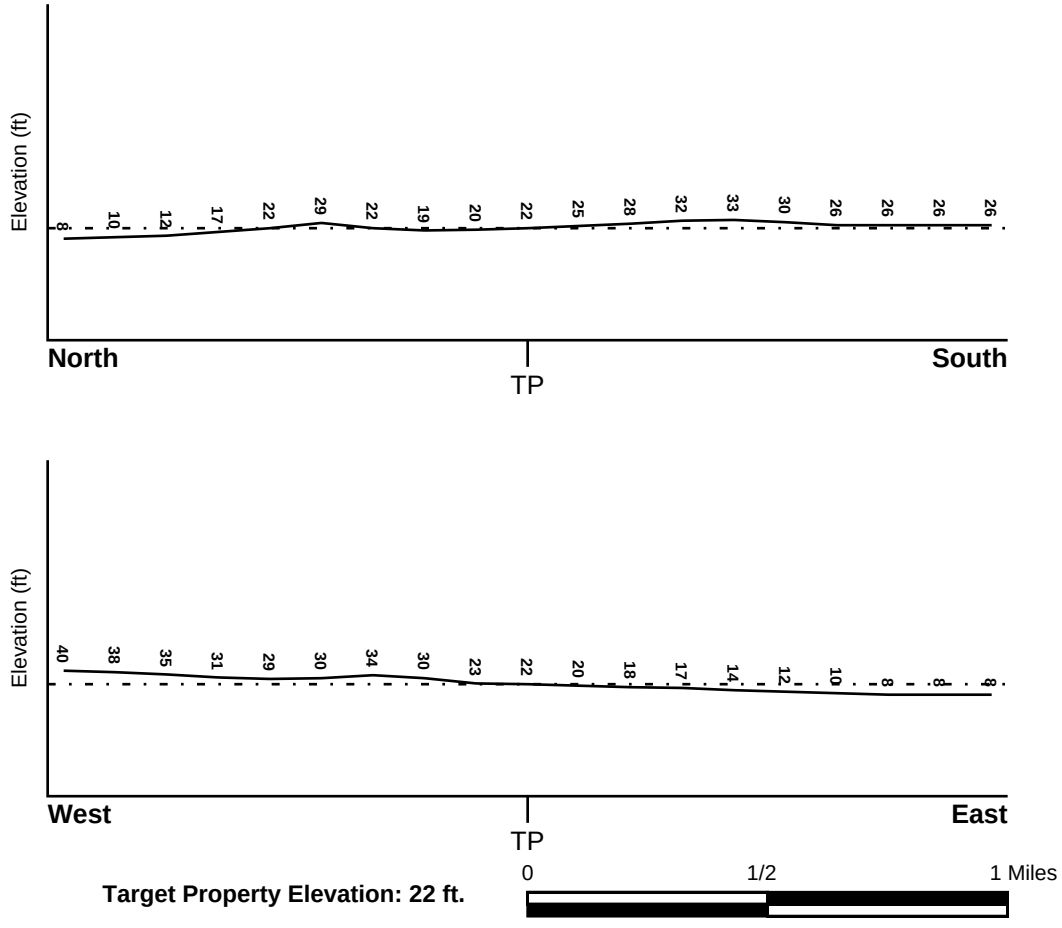
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 22 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06081C0309E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06081C0306E	FEMA FIRM Flood data
06081C0307E	FEMA FIRM Flood data
06081C0308E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PALO ALTO	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
16	1/4 - 1/2 Mile SSE	NE
27	1/4 - 1/2 Mile South	NE
E28	1/4 - 1/2 Mile NE	N
K51	1/2 - 1 Mile NNE	ENE
K52	1/2 - 1 Mile NNE	ENE
60	1/2 - 1 Mile West	Not Reported

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
61	1/2 - 1 Mile NNW	Not Reported
O69	1/2 - 1 Mile NE	NE
O70	1/2 - 1 Mile NE	SE
P71	1/2 - 1 Mile West	NE
P72	1/2 - 1 Mile West	Not Reported
83	1/2 - 1 Mile SE	NE
S84	1/2 - 1 Mile NE	Not Reported
92	1/2 - 1 Mile NNE	NE
1G	1/2 - 1 Mile NNE	NE
2G	1/2 - 1 Mile NNW	Not Reported
3G	1/2 - 1 Mile NE	Not Reported
4G	1/2 - 1 Mile NE	SE
5G	1/2 - 1 Mile NNE	ENE
6G	1/2 - 1 Mile NNE	ENE
7G	1/2 - 1 Mile NE	NE
8G	1/4 - 1/2 Mile NE	N
9G	1/2 - 1 Mile West	Not Reported
10G	1/2 - 1 Mile West	NE
11G	1/2 - 1 Mile West	Not Reported
12G	1/4 - 1/2 Mile SSE	NE
13G	1/4 - 1/2 Mile South	NE
14G	1/2 - 1 Mile SE	NE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

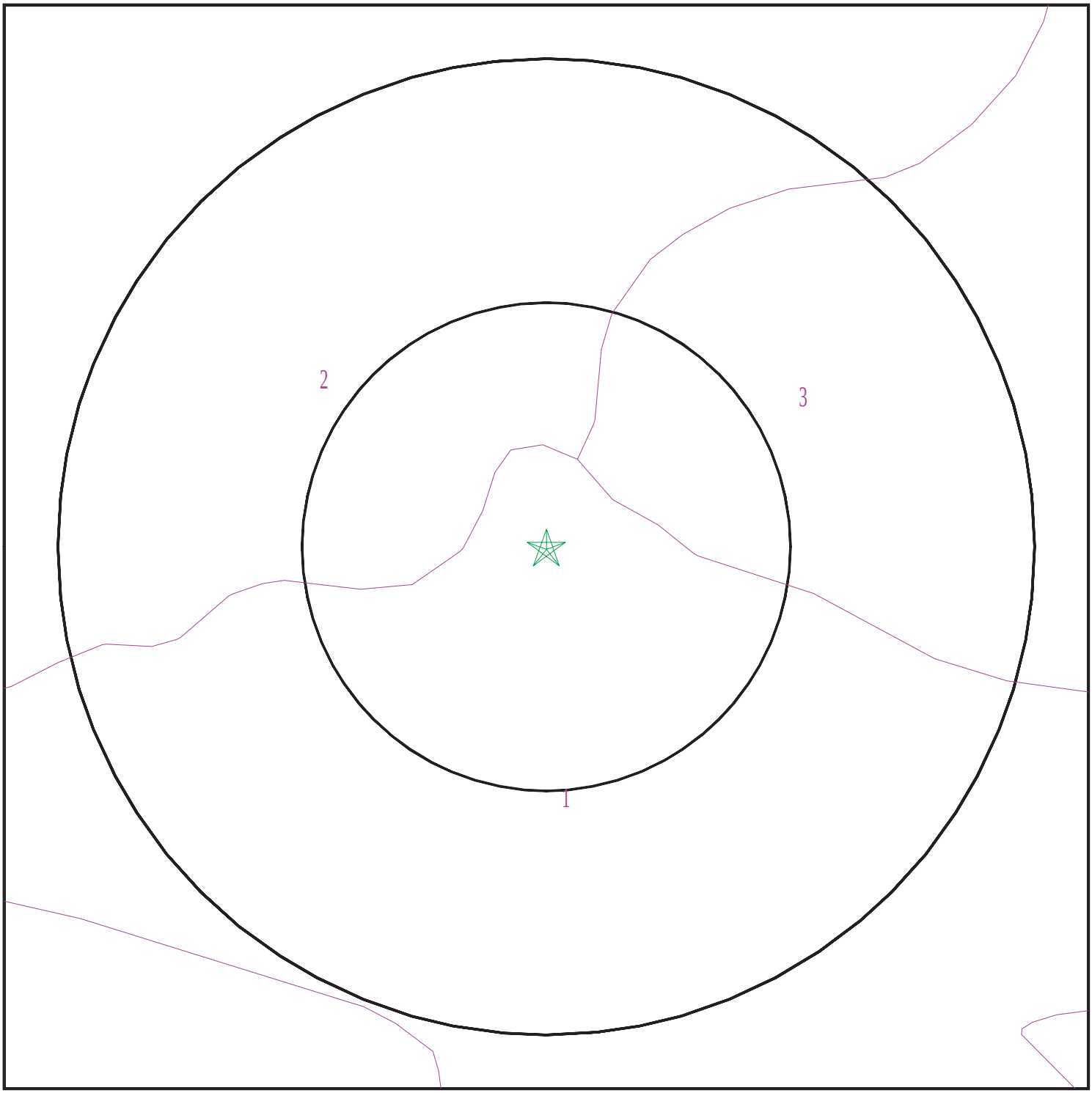
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 07423178.2r



Target Property
SSURGO Soil
Water

SITE NAME:	2160 Euclid Avenue	CLIENT:	Engeo Inc.
ADDRESS:	2160 Euclid Avenue Palo Alto CA 94303	CONTACT:	Rian Montagh
		INQUIRY #:	07423178.2r
LAT/LONG:	37.463737 / 122.143257	DATE:	August 22, 2023 8:28 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: Botella

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	16 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E29	USGS40000183365	1/4 - 1/2 Mile NE
F30	USGS40000183299	1/4 - 1/2 Mile SSW
G42	USGS40000183311	1/4 - 1/2 Mile SW
J46	USGS40000183384	1/2 - 1 Mile North
N65	USGS40000183284	1/2 - 1 Mile SW
Q74	USGS40000183250	1/2 - 1 Mile South
Q86	USGS40000183245	1/2 - 1 Mile South
Q87	USGS40000183244	1/2 - 1 Mile South
Q88	USGS40000183247	1/2 - 1 Mile South
Q89	USGS40000183246	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
26	CA4310009	1/4 - 1/2 Mile NNE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000074154	0 - 1/8 Mile SE
A2	CAEDF0000022319	0 - 1/8 Mile SE
A3	CAEDF0000081003	0 - 1/8 Mile ESE
A4	CAEDF0000116333	0 - 1/8 Mile SE
A5	CAEDF0000111838	0 - 1/8 Mile ESE
A6	CAEDF0000055362	0 - 1/8 Mile ESE
A7	CAEDF0000000939	0 - 1/8 Mile ESE
A8	CAEDF0000072590	1/8 - 1/4 Mile ESE
B9	CAEDF0000096109	1/8 - 1/4 Mile NE
B10	CAEDF0000001489	1/8 - 1/4 Mile NE
B11	CAEDF0000123553	1/8 - 1/4 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

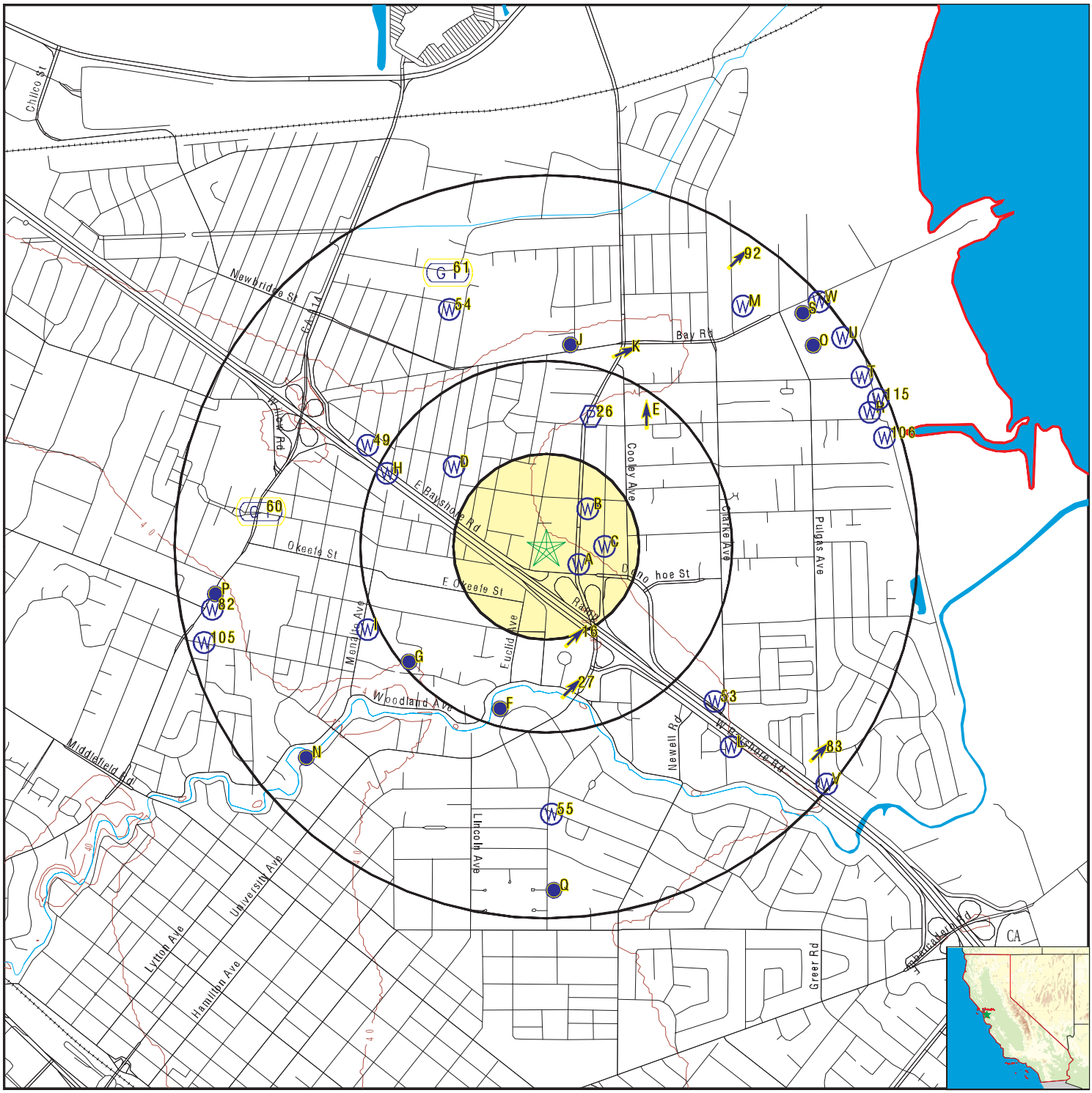
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B12	CAEDF0000040160	1/8 - 1/4 Mile NE
C13	CAEDF0000085137	1/8 - 1/4 Mile East
C14	CAEDF0000037935	1/8 - 1/4 Mile East
B15	CAEDF0000036521	1/8 - 1/4 Mile NE
D17	CADDW0000013853	1/4 - 1/2 Mile NW
D18	CADDW0000011182	1/4 - 1/2 Mile NW
D19	CADWR9000035902	1/4 - 1/2 Mile NW
D20	CADDW0000000809	1/4 - 1/2 Mile NW
D21	CADDW0000021614	1/4 - 1/2 Mile NW
D22	CADDW0000010644	1/4 - 1/2 Mile NW
D23	CALLNL000000673	1/4 - 1/2 Mile NW
D24	CALLNL000001378	1/4 - 1/2 Mile NW
D25	CALLNL000000278	1/4 - 1/2 Mile NW
E31	CAUSGSN00001547	1/4 - 1/2 Mile NE
F32	CAUSGSN00002162	1/4 - 1/2 Mile SSW
G33	CALLNL000000094	1/4 - 1/2 Mile SW
G34	CALLNL000000323	1/4 - 1/2 Mile SW
H35	CALLNL000001053	1/4 - 1/2 Mile WNW
H36	CALLNL000000728	1/4 - 1/2 Mile WNW
H37	5875	1/4 - 1/2 Mile WNW
H38	5876	1/4 - 1/2 Mile WNW
H39	5877	1/4 - 1/2 Mile WNW
G40	CADDW0000004406	1/4 - 1/2 Mile SW
G41	CAUSGSN00019431	1/4 - 1/2 Mile SW
G43	CADDW0000019841	1/2 - 1 Mile SW
I44	CADWR0000029238	1/2 - 1 Mile WSW
I45	CADWR0000016412	1/2 - 1 Mile WSW
J47	CAUSGSN00005158	1/2 - 1 Mile North
J48	CADDW0000004027	1/2 - 1 Mile North
49	CADWR0000017541	1/2 - 1 Mile WNW
J50	CADWR9000035914	1/2 - 1 Mile North
53	CADWR9000035856	1/2 - 1 Mile SE
54	CAEDF0000036644	1/2 - 1 Mile NNW
55	CADWR0000035817	1/2 - 1 Mile South
L56	CAEDF0000056289	1/2 - 1 Mile SE
L57	CAEDF0000114572	1/2 - 1 Mile SE
L58	CAEDF0000013315	1/2 - 1 Mile SE
L59	CAEDF0000047581	1/2 - 1 Mile SE
M62	CAEDF0000133053	1/2 - 1 Mile NE
M63	CAEDF0000069296	1/2 - 1 Mile NE
M64	CAEDF0000084920	1/2 - 1 Mile NE
N66	CADDW0000020046	1/2 - 1 Mile SW
N67	CALLNL000000433	1/2 - 1 Mile SW
N68	CAUSGSN00001657	1/2 - 1 Mile SW
Q73	CADDW0000015934	1/2 - 1 Mile South
Q75	CAUSGSN00002919	1/2 - 1 Mile South
P76	CAEDF0000140268	1/2 - 1 Mile West
R77	CAEDF0000046933	1/2 - 1 Mile ENE
S78	CAEDF0000055665	1/2 - 1 Mile NE
P79	CAEDF0000126773	1/2 - 1 Mile West
P80	CAEDF0000141358	1/2 - 1 Mile West
S81	CAEDF0000120179	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
82	CAEDF0000031996	1/2 - 1 Mile West
O85	CAEDF0000062887	1/2 - 1 Mile NE
O90	CAEDF0000045688	1/2 - 1 Mile NE
R91	CAEDF0000036377	1/2 - 1 Mile ENE
Q93	CADWR9000035834	1/2 - 1 Mile South
Q94	CADWR9000035835	1/2 - 1 Mile South
Q95	CADWR9000035832	1/2 - 1 Mile South
Q96	CADWR9000035833	1/2 - 1 Mile South
Q97	CAUSGSN00014405	1/2 - 1 Mile South
Q98	CAUSGSN00018859	1/2 - 1 Mile South
Q99	CAUSGSN00001848	1/2 - 1 Mile South
Q100	CAUSGSN00000621	1/2 - 1 Mile South
T101	CAEDF0000095195	1/2 - 1 Mile ENE
R102	CAEDF0000110902	1/2 - 1 Mile ENE
S103	CAEDF0000083401	1/2 - 1 Mile NE
S104	CAEDF0000023114	1/2 - 1 Mile NE
105	CADDW0000003940	1/2 - 1 Mile WSW
106	CAEDF0000074912	1/2 - 1 Mile ENE
R107	CAEDF0000039561	1/2 - 1 Mile ENE
R108	CAEDF0000130925	1/2 - 1 Mile ENE
U109	CAEDF0000085542	1/2 - 1 Mile ENE
R110	CAEDF0000000649	1/2 - 1 Mile ENE
S111	CAEDF0000010979	1/2 - 1 Mile NE
U112	CAEDF0000116183	1/2 - 1 Mile NE
U113	CAEDF0000143969	1/2 - 1 Mile NE
T114	CAEDF0000091428	1/2 - 1 Mile ENE
115	CAEDF0000014336	1/2 - 1 Mile ENE
T116	CAEDF0000067044	1/2 - 1 Mile ENE
V117	CAEDF0000010201	1/2 - 1 Mile SE
W118	CAEDF0000142707	1/2 - 1 Mile NE
V119	CAEDF0000090915	1/2 - 1 Mile SE
V120	CAEDF0000142521	1/2 - 1 Mile SE
W121	CAEDF0000102473	1/2 - 1 Mile NE
U122	CAEDF0000037613	1/2 - 1 Mile NE
V123	CAEDF0000053590	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 07423178.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	2160 Euclid Avenue
ADDRESS:	2160 Euclid Avenue Palo Alto CA 94303
LAT/LONG:	37.463737 / 122.143257
CLIENT:	Engeo Inc.
CONTACT:	Rian Montagh
INQUIRY #:	07423178.2r
DATE:	August 22, 2023 8:28 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SE
0 - 1/8 Mile
Higher

CA WELLS **CAEDF0000074154**

Well ID:	T0608100926-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-4		

A2
SE
0 - 1/8 Mile
Higher

CA WELLS **CAEDF0000022319**

Well ID:	T0608100926-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-1		

A3
ESE
0 - 1/8 Mile
Higher

CA WELLS **CAEDF0000081003**

Well ID:	T0608100926-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-5		

A4
SE
0 - 1/8 Mile
Higher

CA WELLS **CAEDF0000116333**

Well ID:	T0608100926-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
ESE
0 - 1/8 Mile
Higher

CA WELLS **CAEDF0000111838**

Well ID:	T0608100926-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-7		

A6
ESE
0 - 1/8 Mile
Higher

CA WELLS **CAEDF0000055362**

Well ID:	T0608100926-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-6		

A7
ESE
0 - 1/8 Mile
Higher

CA WELLS **CAEDF0000000939**

Well ID:	T0608100926-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-8		

A8
ESE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000072590**

Well ID:	T0608100926-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-9		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B9
NE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000096109**

Well ID:	T0608182543-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608182543&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608182543&assigned_name=MW-2		

B10
NE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000001489**

Well ID:	T0608182543-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608182543&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608182543&assigned_name=MW-5		

B11
NE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000123553**

Well ID:	T0608182543-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608182543&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608182543&assigned_name=MW-4		

B12
NE
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000040160**

Well ID:	T0608182543-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608182543&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608182543&assigned_name=MW-3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
C13 **East** **1/8 - 1/4 Mile** **Lower**	**CA WELLS**	**CAEDF0000085137**

Well ID:	T0608100926-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-10		

C14 **East** **1/8 - 1/4 Mile** **Lower**	**CA WELLS**	**CAEDF0000037935**

Well ID:	T0608100926-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608100926&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608100926&assigned_name=MW-11		

B15 **NE** **1/8 - 1/4 Mile** **Lower**	**CA WELLS**	**CAEDF0000036521**

Well ID:	T0608182543-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608182543&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608182543&assigned_name=MW-1		

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16 **SSE** **1/4 - 1/2 Mile** **Higher**	Site ID:	890003	**AQUIFLOW**	**50010**
	Groundwater Flow:	NE		
	Shallow Water Depth:	8.45		
	Deep Water Depth:	11.01		
	Average Water Depth:	Not Reported		
	Date:	06/08/1998		

D17 **NW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CADDW0000013853**

Well ID:	4110020-006	Well Type:	MUNICIPAL
Source:	Department of Health Services		

Other Name:	WELL 07	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4110020-006&store_num=		
GeoTracker Data:	Not Reported		

D18
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000011182**

Well ID:	4110020-005	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 06	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4110020-005&store_num=		
GeoTracker Data:	Not Reported		

D19
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR9000035902**

State Well #:	Not Reported	Station ID:	55138
Well Name:	61 PAPMWC #7	Basin Name:	San Mateo Plain
Well Use:	Other	Well Type:	Single Well
Well Depth:	490	Well Completion Rpt #:	428850

D20
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000000809**

Well ID:	4110020-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 02	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4110020-002&store_num=		
GeoTracker Data:	Not Reported		

D21
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000021614**

Well ID:	4110020-003	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 03	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4110020-003&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D22
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000010644**

Well ID:	4110020-004	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 05	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4110020-004&store_num=		
GeoTracker Data:	Not Reported		

D23
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CALLNL000000673**

Well ID:	100924	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/03W-25M02 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000489941
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Xenon	Results:	.0000000115941
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Helium-3/Helium-4	Results:	.00000122711
Units:	atom ratio	Date:	11/19/2001
Chemical:	Helium-4	Results:	.000000568862
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Krypton	Results:	.000000106273
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Neon	Results:	.000000413429
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Tritium (Hydrogen 3)	Results:	1.22
Units:	pCi/L	Date:	04/22/2002

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D24
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CALLNL000001378**

Well ID:	100926	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/03W-25M05 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000490637
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Helium-4	Results:	.000000417673
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Krypton	Results:	.000000111796
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Xenon	Results:	.00000000585696
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Helium-3/Helium-4	Results:	.00000136596
Units:	atom ratio	Date:	11/19/2001
Chemical:	Neon	Results:	.000000528948
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Tritium (Hydrogen 3)	Results:	3.56
Units:	pCi/L	Date:	04/22/2002

D25
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CALLNL000000278**

Well ID:	100923	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/03W-25M01 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000494971
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Helium-3/Helium-4	Results:	.0000014766
Units:	atom ratio	Date:	11/19/2001

Chemical:	Neon	Results:	.000000459409
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Xenon	Results:	.0000000029669
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Helium-4	Results:	.000000121375
Units:	cm3STP/g	Date:	11/19/2001
Chemical:	Tritium (Hydrogen 3)	Results:	15.2
Units:	pCi/L	Date:	04/22/2002
Chemical:	Krypton	Results:	.000000110997
Units:	cm3STP/g	Date:	11/19/2001

26
NNE
1/4 - 1/2 Mile
Lower

FRDS PWS **CA4310009**

Epa region:	09	State:	CA
Pwsid:	CA4310009	Pwsname:	CITY OF PALO ALTO
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06085
Status:	Active	Retpopsrvd:	62000
Pwssvcconn:	19344	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	GHAFFARI, JAVAD	Contactorgname:	GHAFFARI, JAVAD
Contactphone:	650-496-6932	Contactaddress1:	P.O. BOX 10250
Contactaddress2:	250 HAMILTON AVE.	Contactcity:	PALO ALTO
Contactstate:	CA	Contactzip:	94303
Pwsactivitycode:	A		
Pwsid:	CA4310009	Facid:	7249
Facname:	HALE - TREATED CL2	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	CA4310009	Facid:	7250
Facname:	PEERS - TREATED CL2	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	CA4310009	Facid:	7252
Facname:	RINCONADA - TREATED CL2	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	CA4310009	Facid:	800
Facname:	HALE - TREATED - INACTIVE	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	CA4310009	Facid:	801
Facname:	PEERS - TREATED - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A

Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA4310009	Facid:	802
Facname:	RINCONADA - TREATED - INACTIVE		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		

Pwsid:	CA4310009	Facid:	803
Facname:	SAND HILL ROAD STATION - TREATED		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	other	Trtprocess:	fluoridation
Factypecode:	TP		

PWS ID:	CA4310009	PWS name:	CITY OF PALO ALTO
Address:	Not Reported	Care of:	Not Reported
City:	PALO ALTO	State:	CA
Zip:	94303	Owner:	CITY OF PALO ALTO
Source code:	Purchases surface water	Population:	57000

PWS ID:	CA4310009	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	County:	SANTA CLARA
Source:	Purchases surface water	Treatment Objective:	Z
Process:	FLUORIDATION	Population:	58000

PWS ID:	CA4310009	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00056000	System name:	CITY OF PALO ALTO
System address:	Not Reported	System address:	250 HAMILTON AVE
System city:	PALO ALTO	System state:	CA
System zip:	94303		

County FIPS:	Not Reported	City served:	PALO ALTO

County FIPS:	085	City served:	PALO ALTO

Population served:	50,001 - 75,000 Persons	Treatment:	Mixed (treated and untreated)

Latitude:	372808	Longitude:	1220824

Violation id:	1017003	Orig code:	S
State:	CA	Violation Year:	2010
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2010
Cmp edt:	07/31/2010		

Violation id:	1217004	Orig code:	S
State:	CA	Violation Year:	2012
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	05/01/2012
Cmp edt:	05/31/2012		

Violation ID:	1017003	Orig Code:	S

Enforcemnt FY:	2010	Enforcement Action:	09/07/2010
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		
Violation ID:	1217004	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	06/22/2012
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	92V0001	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Resolving

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27
South
1/4 - 1/2 Mile
Higher

AQUIFLOW **50006**

Site ID:	890005
Groundwater Flow:	NE
Shallow Water Depth:	26.36
Deep Water Depth:	27.41
Average Water Depth:	Not Reported
Date:	11/05/1992

E28
NE
1/4 - 1/2 Mile
Lower

AQUIFLOW **64278**

Site ID:	890011
Groundwater Flow:	N
Shallow Water Depth:	8.5
Deep Water Depth:	9
Average Water Depth:	Not Reported
Date:	12/11/1995

E29
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000183365**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W25G001M	Type:	Well
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19580424	Well Depth:	54
Well Depth Units:	ft	Well Hole Depth:	54
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1997-05-01
Feet below surface:	9.15	Feet to sea level:	Not Reported
Note:	Not Reported		

F30
SSW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000183299**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W36F002M	Type:	Well
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19921111	Well Depth:	260
Well Depth Units:	ft	Well Hole Depth:	260
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1992-11-11
Feet below surface:	60	Feet to sea level:	Not Reported
Note:	Not Reported		

E31
NE
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00001547**

Well ID:	USGS-372809122081501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372809122081501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372809122081501&store_num=		
GeoTracker Data:	Not Reported		

F32
SSW
1/4 - 1/2 Mile
Higher

CA WELLS **CAUSGSN00002162**

Well ID:	USGS-372727122084001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372727122084001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372727122084001&store_num=		
GeoTracker Data:	Not Reported		

G33
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CALLNL000000094**

Well ID:	100904	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/03W-36D02 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000502543
Units:	cm3STP/g	Date:	11/15/2001

Chemical:	Helium-3/Helium-4	Results:	.00000140715
Units:	atom ratio	Date:	11/15/2001

Chemical:	Xenon	Results:	.00000000201196

Units:	cm3STP/g	Date:	11/15/2001
Chemical:	Krypton	Results:	.000000099844
Units:	cm3STP/g	Date:	11/15/2001
Chemical:	Tritium (Hydrogen 3)	Results:	6.53
Units:	pCi/L	Date:	11/29/2001
Chemical:	Helium-4	Results:	.000000203302
Units:	cm3STP/g	Date:	11/15/2001
Chemical:	Neon	Results:	.000000444076
Units:	cm3STP/g	Date:	11/15/2001

G34
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CALLNL000000323**

Well ID:	100903	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/03W-36D01 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		
Chemical:	Argon	Results:	.00053599
Units:	cm3STP/g	Date:	11/15/2001
Chemical:	Krypton	Results:	.000000247992
Units:	cm3STP/g	Date:	11/15/2001
Chemical:	Helium-4	Results:	.000000953301
Units:	cm3STP/g	Date:	11/15/2001
Chemical:	Helium-3/Helium-4	Results:	.00000121889
Units:	atom ratio	Date:	11/15/2001
Chemical:	Tritium (Hydrogen 3)	Results:	6.08
Units:	pCi/L	Date:	12/17/2001
Chemical:	Neon	Results:	.000000923853
Units:	cm3STP/g	Date:	11/15/2001

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H35
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CALLNL000001053**

Well ID:	100927	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/03W-25M04 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Neon	Results:	.000000501511
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Helium-3/Helium-4	Results:	.00000122232
Units:	atom ratio	Date:	11/20/2001
Chemical:	Argon	Results:	.000501182
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Helium-4	Results:	.000000632384
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Krypton	Results:	.000000112169
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Xenon	Results:	.00000000211133
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Tritium (Hydrogen 3)	Results:	1.6
Units:	pCi/L	Date:	04/22/2002

H36
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CALLNL000000728**

Well ID:	100925	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/03W-25M06 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Helium-4	Results:	.000000960003
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Xenon	Results:	.00000000372732
Units:	cm3STP/g	Date:	11/20/2001

Chemical:	Argon	Results:	.000492865
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Helium-3/Helium-4	Results:	.00000125297
Units:	atom ratio	Date:	11/20/2001
Chemical:	Neon	Results:	.000000402274
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Krypton	Results:	.000000107846
Units:	cm3STP/g	Date:	11/20/2001
Chemical:	Tritium (Hydrogen 3)	Results:	.12
Units:	pCi/L	Date:	04/22/2002

H37
WNW
1/4 - 1/2 Mile
Higher

CA WELLS 5875

Seq:	5875	Prim sta c:	05S/03W-25M03 M
Frds no:	4110020001	County:	41
District:	04	User id:	ENG
System no:	4110020	Water type:	G
Source nam:	WELL 01 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	372800.0	Longitude:	1220900.0
Precision:	8	Status:	IU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4110020	System nam:	Palo Alto Park Mut Wtr Co
Hqname:	Not Reported	Address:	2190 Addison Ave
City:	East Palo Alto	State:	CA
Zip:	94303	Zip ext:	Not Reported
Pop serv:	3000	Connection:	665
Area serve:	PALO ALTO EAST		

H38
WNW
1/4 - 1/2 Mile
Higher

CA WELLS 5876

Seq:	5876	Prim sta c:	05S/03W-25M04 M
Frds no:	4110020004	County:	41
District:	04	User id:	ENG
System no:	4110020	Water type:	G
Source nam:	WELL 05	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	372800.0	Longitude:	1220900.0
Precision:	4	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System no:	4110020	System nam:	Palo Alto Park Mut Wtr Co
Hqname:	Not Reported	Address:	2190 Addison Ave
City:	East Palo Alto	State:	CA
Zip:	94303	Zip ext:	Not Reported
Pop serv:	3000	Connection:	665
Area serve:	PALO ALTO EAST		

Sample date:	22-AUG-17	Finding:	226.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		

Sample date:	22-AUG-17	Finding:	444.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	22-AUG-17	Finding:	21.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		

Sample date:	22-AUG-17	Finding:	47.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		

Sample date:	22-AUG-17	Finding:	75.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		

Sample date:	22-AUG-17	Finding:	93.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	22-AUG-17	Finding:	16.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	22-AUG-17	Finding:	51.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	22-AUG-17	Finding:	7.71
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		

Sample date:	22-AUG-17	Finding:	226.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	22-AUG-17	Finding:	0.486
Chemical:	TURBIDITY, FIELD	Report units:	NTU
Dlr:	0.1		

Sample date:	22-AUG-17	Finding:	0.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	11-OCT-16	Finding:	745.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	11-OCT-16	Finding:	0.77
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	11-OCT-16	Finding:	183.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	0.24
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	11-OCT-16	Finding:	73.
Chemical:	ALUMINUM	Report units:	UG/L
Dlr:	50.		
Sample date:	08-SEP-15	Finding:	1.27
Chemical:	GROSS BETA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	7.57
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	230.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	230.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	1.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-SEP-15	Finding:	52.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	17.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	97.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	1.8
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	95.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	50.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	08-SEP-15	Finding:	424.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	0.557
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU

Dlr:	0.1		
Sample date:	08-SEP-15	Finding:	1.2
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-SEP-15	Finding:	1.59
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	1.26
Chemical:	GROSS BETA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	0.664
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	1.11
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	0.25
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	801.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	7.76
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	0.2
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	0.8
Chemical:	GROSS BETA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	1.5
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	1.76
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	03-SEP-14	Finding:	4.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	03-SEP-14	Finding:	463.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	0.22
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		

Sample date:	03-SEP-14	Finding:	47.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	03-SEP-14	Finding:	100.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	85.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	15.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	49.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	183.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	230.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	678.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	1.38
Chemical:	GROSS BETA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	230.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	0.45
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	19-MAY-14	Finding:	5.1
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	508.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	2.
Chemical:	CYANIDE	Report units:	UG/L
Dlr:	100.		
Sample date:	19-MAY-14	Finding:	0.21
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	19-MAY-14	Finding:	48.
Chemical:	SULFATE	Report units:	MG/L

Dlr:	0.5		
Sample date:	19-MAY-14	Finding:	100.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	92.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	16.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	49.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	186.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	228.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	228.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	7.62
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	820.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	4.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-JUL-13	Finding:	6.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-JUL-13	Finding:	0.56
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	23-JUL-13	Finding:	0.44
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	23-JUL-13	Finding:	0.3
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	23-JUL-13	Finding:	2.e-002
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		

Sample date:	23-JUL-13	Finding:	1.29
Chemical:	RADIUM 228	Report units:	PCI/L
Dlr:	1.		
Sample date:	05-JUN-12	Finding:	6.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	05-JUN-12	Finding:	0.194
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	05-JUN-12	Finding:	0.91
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	0.3
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	1.9
Chemical:	RADIUM 228	Report units:	PCI/L
Dlr:	1.		

H39
WNW
1/4 - 1/2 Mile
Higher

CA WELLS 5877

Seq:	5877	Prim sta c:	05S/03W-25M05 M
Frds no:	4110020005	County:	41
District:	04	User id:	ENG
System no:	4110020	Water type:	G
Source nam:	WELL 06	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	372800.0	Longitude:	1220900.0
Precision:	4	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	4110020	System nam:	Palo Alto Park Mut Wtr Co
Hqname:	Not Reported	Address:	2190 Addison Ave
City:	East Palo Alto	State:	CA
Zip:	94303	Zip ext:	Not Reported
Pop serv:	3000	Connection:	665
Area serve:	PALO ALTO EAST		
Sample date:	22-AUG-17	Finding:	0.92
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-AUG-17	Finding:	520.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	22-AUG-17	Finding:	0.229
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	22-AUG-17	Finding:	0.92

Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-OCT-16	Finding:	236.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	0.99
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-OCT-16	Finding:	207.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	54.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	18.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	100.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	91.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	52.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	11-OCT-16	Finding:	0.25
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	11-OCT-16	Finding:	236.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	801.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	7.67
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	1.27
Chemical:	GROSS BETA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	442.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	0.543
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		

Sample date:	08-SEP-15	Finding:	1.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-SEP-15	Finding:	3.22
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	08-SEP-15	Finding:	1.59
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	1.09
Chemical:	GROSS BETA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	0.742
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	1.03
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	0.316
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-SEP-15	Finding:	1.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-SEP-14	Finding:	0.21
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	03-SEP-14	Finding:	181.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	5.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-MAY-14	Finding:	231.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	206.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	53.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	18.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	96.
Chemical:	SODIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	19-MAY-14	Finding:	91.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	53.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	19-MAY-14	Finding:	0.19
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	19-MAY-14	Finding:	4.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-MAY-14	Finding:	0.347
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	19-MAY-14	Finding:	231.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	4.3
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	19-MAY-14	Finding:	804.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	23-JUL-13	Finding:	4.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-JUL-13	Finding:	0.85
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	23-JUL-13	Finding:	0.44
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	23-JUL-13	Finding:	0.26
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	23-JUL-13	Finding:	2.e-002
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	23-JUL-13	Finding:	1.94
Chemical:	RADIUM 228	Report units:	PCI/L
Dlr:	1.		

Sample date:	05-JUN-12	Finding:	7.71
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	234.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	234.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	60.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	17.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	79.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	52.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	05-JUN-12	Finding:	439.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	4.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	05-JUN-12	Finding:	0.124
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	05-JUN-12	Finding:	511.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	99.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		

G40
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000004406**

Well ID:	4110019-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 02	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4110019-002&store_num=		

GeoTracker Data: Not Reported

G41
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAUSGSN00019431**

Well ID:	USGS-372733122085701	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372733122085701	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372733122085701&store_num=		
GeoTracker Data:	Not Reported		

G42
SW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000183311**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W36D001M	Type:	Well
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19660706	Well Depth:	550
Well Depth Units:	ft	Well Hole Depth:	608
Well Hole Depth Units:	ft		

G43
SW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000019841**

Well ID:	4110019-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4110019-001&store_num=		
GeoTracker Data:	Not Reported		

I44
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000029238**

Well ID:	05S03W36D002M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W36D002M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W36D002M&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I45
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000016412**

Well ID:	05S03W36D001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W36D001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W36D001M&store_num=		
GeoTracker Data:	Not Reported		

J46
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000183384**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W25F001M	Type:	Well
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19791229	Well Depth:	334
Well Depth Units:	ft	Well Hole Depth:	351
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1997-05-02
Feet below surface:	9.89	Feet to sea level:	Not Reported
Note:	Not Reported		

J47
North
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00005158**

Well ID:	USGS-372818122082801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372818122082801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372818122082801&store_num=		
GeoTracker Data:	Not Reported		

J48
North
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000004027**

Well ID:	4110024-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	GLORIA WAY WELL	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4110024-001&store_num=		

GeoTracker Data: Not Reported

49
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000017541**

Well ID:	05S03W25M005M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W25M005M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W25M005M&store_num=		
GeoTracker Data:	Not Reported		

J50
North
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000035914**

State Well #:	Not Reported	Station ID:	55140
Well Name:	106 Gloria	Basin Name:	San Mateo Plain
Well Use:	Other	Well Type:	Single Well
Well Depth:	334	Well Completion Rpt #:	134143

K51
NNE
1/2 - 1 Mile
Higher

AQUIFLOW **64292**

Site ID:	890009
Groundwater Flow:	ENE
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	10
Date:	07/17/1997

K52
NNE
1/2 - 1 Mile
Higher

AQUIFLOW **64293**

Site ID:	41-0666
Groundwater Flow:	ENE
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	10
Date:	07/17/1997

53
SE
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000035856**

State Well #:	Not Reported	Station ID:	55141
Well Name:	107 Pad D	Basin Name:	San Mateo Plain
Well Use:	Observation	Well Type:	Single Well
Well Depth:	550	Well Completion Rpt #:	e0231330

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

54
NNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036644**

Well ID:	T0600101808-S-2	Well Type:	MONITORING
Source:	EDF	Other Name:	S-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0600101808&assigned_name=S-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0600101808&assigned_name=S-2		

55
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000035817**

Well ID:	05S03W36K011M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S03W36K011M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S03W36K011M&store_num=		
GeoTracker Data:	Not Reported		

L56
SE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056289**

Well ID:	T0608111865-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608111865&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608111865&assigned_name=MW-1		

L57
SE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000114572**

Well ID:	T0608111865-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608111865&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608111865&assigned_name=MW-3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

		Database	EDR ID Number
L58 **SE** **1/2 - 1 Mile** **Lower**		**CA WELLS**	**CAEDF0000013315**

Well ID:	T0608111865-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608111865&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608111865&assigned_name=MW-2		

		Database	EDR ID Number
L59 **SE** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000047581**

Well ID:	T0608111865-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608111865&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608111865&assigned_name=MW-4		

			Database	EDR ID Number
60 **West** **1/2 - 1 Mile** **Higher**	Site ID:	440016	**AQUIFLOW**	**51116**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	24.63		
	Deep Water Depth:	25.3		
	Average Water Depth:	Not Reported		
	Date:	02/16/1989		

			Database	EDR ID Number
61 **NNW** **1/2 - 1 Mile** **Lower**	Site ID:	440044	**AQUIFLOW**	**64490**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	12		
	Date:	10/26/1994		

		Database	EDR ID Number
M62 **NE** **1/2 - 1 Mile** **Lower**		**CA WELLS**	**CAEDF0000133053**

Well ID:	T0608192693-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608192693&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608192693&assigned_name=MW-1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M63
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000069296**

Well ID:	T0608192693-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608192693&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608192693&assigned_name=MW-2		

M64
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000084920**

Well ID:	T0608192693-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608192693&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608192693&assigned_name=MW-3		

N65
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000183284**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W35G010M	Type:	Well
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported		
Aquifer Type:	Mixed (confined and unconfined multiple aquifers)		
Construction Date:	19551212	Well Depth:	840
Well Depth Units:	ft	Well Hole Depth:	935
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1994-05-11
Feet below surface:	34.27	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N66
SW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000020046**

Well ID:	4310009-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	HALE - STANDBY	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4310009-002&store_num=		
GeoTracker Data:	Not Reported		

N67
SW
1/2 - 1 Mile
Higher

CA WELLS **CALLNL000000433**

Well ID:	101067	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/03W-25G10 M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Tritium (Hydrogen 3)	Results:	3.78
Units:	pCi/L	Date:	01/11/2002
Chemical:	Neon	Results:	.00000056802
Units:	cm3STP/g	Date:	03/15/2002
Chemical:	Helium-3/Helium-4	Results:	.00000118511
Units:	atom ratio	Date:	03/15/2002
Chemical:	Krypton	Results:	.000000113799
Units:	cm3STP/g	Date:	03/15/2002
Chemical:	Argon	Results:	.000602248
Units:	cm3STP/g	Date:	03/15/2002
Chemical:	Helium-4	Results:	.00000351011
Units:	cm3STP/g	Date:	03/15/2002
Chemical:	Xenon	Results:	.0000000144204
Units:	cm3STP/g	Date:	03/15/2002

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
N68 **SW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAUSGSN00001657**

Well ID:	USGS-372720122091501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372720122091501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372720122091501&store_num=		
GeoTracker Data:	Not Reported		

O69 **NE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890006 NE 6.02 6.35 Not Reported 05/27/1994	**AQUIFLOW**	**64287**

O70 **NE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890008 SE 10 10.5 Not Reported 02/07/1992	**AQUIFLOW**	**64284**

P71 **West** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	440021 NE 28 29 Not Reported 01/15/1992	**AQUIFLOW**	**51136**

P72 **West** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	440026 Not Reported 18.35 28.22 Not Reported 12/21/1993	**AQUIFLOW**	**51142**

	Database	EDR ID Number
Q73 **South** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADDW0000015934**

Well ID:	4310009-014	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	ELEANOR PARDEE WELL	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4310009-014&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q74
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000183250**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W36L010M	Type:	Well
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	195408	Well Depth:	65
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels,Number of Measurements:	1	Level reading date:	1997-04-28
Feet below surface:	9.45	Feet to sea level:	Not Reported
Note:	Not Reported		

Q75
South
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002919**

Well ID:	USGS-372703122083201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372703122083201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372703122083201&store_num=		
GeoTracker Data:	Not Reported		

P76
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000140268**

Well ID:	T0608117998-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608117998&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608117998&assigned_name=MW-3		

R77
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000046933**

Well ID:	SL0608148082-W-143	Well Type:	MONITORING
Source:	EDF	Other Name:	W-143
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-143&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-143

S78
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000055665**

Well ID: SL0608148082-W-125 Well Type: MONITORING
Source: EDF Other Name: W-125
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-125&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-125

P79
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000126773**

Well ID: T0608117998-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608117998&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608117998&assigned_name=MW-4

P80
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141358**

Well ID: T0608117998-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608117998&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608117998&assigned_name=MW-1

S81
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000120179**

Well ID: SL0608148082-W-126 Well Type: MONITORING
Source: EDF Other Name: W-126
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-126&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-126

82
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000031996**

Well ID:	T0608117998-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608117998&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608117998&assigned_name=MW-2		

83
SE
1/2 - 1 Mile
Lower

AQUIFLOW **50008**

Site ID:	890015
Groundwater Flow:	NE
Shallow Water Depth:	8
Deep Water Depth:	12
Average Water Depth:	Not Reported
Date:	11/1998

S84
NE
1/2 - 1 Mile
Lower

AQUIFLOW **64272**

Site ID:	890010
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	9
Date:	02/02/1994

O85
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000062887**

Well ID:	SL0608148082-W-107	Well Type:	MONITORING
Source:	EDF	Other Name:	W-107
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-107&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-107		

Q86
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000183245**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W36P003M	Type:	Well: Multiple wells
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Confined multiple aquifer
Construction Date:	20030204	Well Depth:	740
Well Depth Units:	ft	Well Hole Depth:	932
Well Hole Depth Units:	ft		

Q87
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000183244**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W36P002M	Type:	Well: Multiple wells
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Confined multiple aquifer
Construction Date:	20030204	Well Depth:	930
Well Depth Units:	ft	Well Hole Depth:	932
Well Hole Depth Units:	ft		

Q88
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000183247**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W36POO5M	Type:	Well: Multiple wells
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Confined multiple aquifer
Construction Date:	20030204	Well Depth:	200
Well Depth Units:	ft	Well Hole Depth:	932
Well Hole Depth Units:	ft		

Q89
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000183246**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S003W36P004M	Type:	Well: Multiple wells
Description:	Not Reported	HUC:	18050003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Confined multiple aquifer
Construction Date:	20030204	Well Depth:	560
Well Depth Units:	ft	Well Hole Depth:	932
Well Hole Depth Units:	ft		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O90
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000045688**

Well ID:	SL0608148082-WCC-11	Well Type:	MONITORING
Source:	EDF	Other Name:	WCC-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=WCC-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=WCC-11		

R91
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036377**

Well ID:	SL0608148082-W-136	Well Type:	MONITORING
Source:	EDF	Other Name:	W-136
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-136&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-136		

92
NNE
1/2 - 1 Mile
Lower

AQUIFLOW **50003**

Site ID:	890001
Groundwater Flow:	NE
Shallow Water Depth:	8.96
Deep Water Depth:	9.75
Average Water Depth:	Not Reported
Date:	05/27/1994

Q93
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000035834**

State Well #:	05S03W36P004M	Station ID:	47593
Well Name:	05S03W36P004	Basin Name:	Santa Clara
Well Use:	Observation		
Well Type:	Part of a nested/multi-completion well		
Well Depth:	560	Well Completion Rpt #:	795748

Q94
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000035835**

State Well #:	05S03W36P005M	Station ID:	47594
Well Name:	05S03W36P005	Basin Name:	Santa Clara
Well Use:	Observation		
Well Type:	Part of a nested/multi-completion well		

Well Depth:	200	Well Completion Rpt #:	795749

Q95
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000035832**

State Well #:	05S03W36P002M	Station ID:	47591
Well Name:	05S03W36P002	Basin Name:	Santa Clara
Well Use:	Observation		
Well Type:	Part of a nested/multi-completion well		
Well Depth:	930	Well Completion Rpt #:	795746

Q96
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000035833**

State Well #:	05S03W36P003M	Station ID:	47592
Well Name:	05S03W36P003	Basin Name:	Santa Clara
Well Use:	Observation		
Well Type:	Part of a nested/multi-completion well		
Well Depth:	740	Well Completion Rpt #:	795747

Q97
South
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00014405**

Well ID:	USGS-372701122083404	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372701122083404	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372701122083404&store_num=		
GeoTracker Data:	Not Reported		

Q98
South
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00018859**

Well ID:	USGS-372701122083403	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372701122083403	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372701122083403&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q99
South
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00001848**

Well ID:	USGS-372701122083401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372701122083401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372701122083401&store_num=		
GeoTracker Data:	Not Reported		

Q100
South
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00000621**

Well ID:	USGS-372701122083402	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-372701122083402	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-372701122083402&store_num=		
GeoTracker Data:	Not Reported		

T101
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000095195**

Well ID:	SL0608148082-W-133	Well Type:	MONITORING
Source:	EDF	Other Name:	W-133
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-133&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-133		

R102
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000110902**

Well ID:	SL0608148082-W-128	Well Type:	MONITORING
Source:	EDF	Other Name:	W-128
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-128&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-128		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S103
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083401**

Well ID:	SL0608148082-W-130	Well Type:	MONITORING
Source:	EDF	Other Name:	W-130
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-130&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-130		

S104
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000023114**

Well ID:	SL0608148082-W-101	Well Type:	MONITORING
Source:	EDF	Other Name:	W-101
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-101&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-101		

105
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000003940**

Well ID:	4100562-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=4100562-001&store_num=		
GeoTracker Data:	Not Reported		

106
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000074912**

Well ID:	SL0608148082-W-137	Well Type:	MONITORING
Source:	EDF	Other Name:	W-137
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-137&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-137		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R107
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000039561**

Well ID:	SL0608148082-W-135	Well Type:	MONITORING
Source:	EDF	Other Name:	W-135
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-135&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-135		

R108
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000130925**

Well ID:	SL0608148082-W-135A	Well Type:	MONITORING
Source:	EDF	Other Name:	W-135A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-135A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-135A		

U109
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000085542**

Well ID:	SL0608148082-W-105	Well Type:	MONITORING
Source:	EDF	Other Name:	W-105
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-105&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-105		

R110
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000000649**

Well ID:	SL0608148082-W-134	Well Type:	MONITORING
Source:	EDF	Other Name:	W-134
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-134&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-134		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S111
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000010979**

Well ID:	SL0608148082-W-131	Well Type:	MONITORING
Source:	EDF	Other Name:	W-131
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-131&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-131		

U112
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000116183**

Well ID:	SL0608148082-WCC-09	Well Type:	MONITORING
Source:	EDF	Other Name:	WCC-09
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=WCC-09&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=WCC-09		

U113
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000143969**

Well ID:	SL0608148082-WCC-10	Well Type:	MONITORING
Source:	EDF	Other Name:	WCC-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=WCC-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=WCC-10		

T114
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000091428**

Well ID:	SL0608148082-W-138	Well Type:	MONITORING
Source:	EDF	Other Name:	W-138
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-138&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-138		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

115
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000014336**

Well ID:	SL0608148082-W-129	Well Type:	MONITORING
Source:	EDF	Other Name:	W-129
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-129&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-129		

T116
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000067044**

Well ID:	SL0608148082-W-102	Well Type:	MONITORING
Source:	EDF	Other Name:	W-102
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-102&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-102		

V117
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000010201**

Well ID:	T0608140462-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608140462&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608140462&assigned_name=MW-1		

W118
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000142707**

Well ID:	SL0608148082-W-110	Well Type:	MONITORING
Source:	EDF	Other Name:	W-110
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=W-110&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=W-110		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V119
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000090915**

Well ID:	T0608140462-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608140462&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608140462&assigned_name=MW-4		

V120
SE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000142521**

Well ID:	T0608140462-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608140462&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608140462&assigned_name=MW-2		

W121
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000102473**

Well ID:	SL0608148082-P-13L	Well Type:	MONITORING
Source:	EDF	Other Name:	P-13L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=P-13L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=P-13L		

U122
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000037613**

Well ID:	SL0608148082-P-11L	Well Type:	MONITORING
Source:	EDF	Other Name:	P-11L
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0608148082&assigned_name=P-11L&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0608148082&assigned_name=P-11L		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
V123 **SE** **1/2 - 1 Mile** **Lower**			**CA WELLS**	**CAEDF0000053590**
Well ID:	T0608140462-MW-3	Well Type:	MONITORING	
Source:	EDF	Other Name:	MW-3	
GAMA PFAS Testing:	Not Reported			
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608140462&assigned_name=MW-3&store_num=			
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608140462&assigned_name=MW-3			

1G **NNE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890001 NE 8.96 9.75 Not Reported 05/27/1994	**AQUIFLOW**	**50003**

2G **NNW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	440044 Not Reported Not Reported Not Reported 12 10/26/1994	**AQUIFLOW**	**64490**

3G **NE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890010 Not Reported Not Reported Not Reported 9 02/02/1994	**AQUIFLOW**	**64272**

4G **NE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890008 SE 10 10.5 Not Reported 02/07/1992	**AQUIFLOW**	**64284**

5G **NNE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890009 ENE Not Reported Not Reported 10 07/17/1997	**AQUIFLOW**	**64292**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
6G **NNE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	41-0666 ENE Not Reported Not Reported 10 07/17/1997	**AQUIFLOW**	**64293**
7G **NE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890006 NE 6.02 6.35 Not Reported 05/27/1994	**AQUIFLOW**	**64287**
8G **NE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890011 N 8.5 9 Not Reported 12/11/1995	**AQUIFLOW**	**64278**
9G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	440016 Not Reported 24.63 25.3 Not Reported 02/16/1989	**AQUIFLOW**	**51116**
10G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	440021 NE 28 29 Not Reported 01/15/1992	**AQUIFLOW**	**51136**
11G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	440026 Not Reported 18.35 28.22 Not Reported 12/21/1993	**AQUIFLOW**	**51142**
12G **SSE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890003 NE 8.45 11.01 Not Reported 06/08/1998	**AQUIFLOW**	**50010**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
13G **South** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890005 NE 26.36 27.41 Not Reported 11/05/1992	**AQUIFLOW**	**50006**
14G **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	890015 NE 8 12 Not Reported 11/1998	**AQUIFLOW**	**50008**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94303	22	0

Federal EPA Radon Zone for SAN MATEO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94303

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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DRAFT

APPENDIX B

FIRST AMERICAN TITLE INSURANCE COMPANY

Preliminary Title Report

Transaction Identification Data, for which the Company assumes no liability as set forth in Commitment Condition 5.e.:
Issuing Agent: First American Title Insurance Company National Commercial Services
Issuing Office: 9255 Towne Centre Drive, Suite 200, San Diego, CA 92121
Commitment No.: **NCS-1188997-SD**
Issuing Office File No.: NCS-1188997-SD
Property Address: 2160 Euclid Avenue, East Palo Alto, County of San Mateo, CA
Reference No.: 2160 Euclid Avenue
Revision No.:
Escrow Officer/Assistant: /
Phone: /
Email: /
Title Officer/Assistant: Linda Slavik/ RaeAnne Trimble
Phone: (858)410-3900/(858)410-2145
Email: lslavik@firstam.com/ rtrimble@firstam.com

SCHEDULE A

1. Commitment Date: August 01, 2023 at 7:30 AM

2. Policy to be issued:
   a. To Be Determined
   Proposed Insured: To Be Determined
   Proposed Amount of Insurance: $To Be Determined
   The estate or interest to be insured: See Item 3 below

3. The estate or interest in the Land at the Commitment Date is:

   Fee Simple

4. The Title is, at the Commitment Date, vested in:

   Ravenswood City School District

5. The Land is described as follows:

   See Exhibit A attached hereto and made a part hereof

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Commitment No. NCS-1188997-SD

SCHEDULE B, PART I—Requirements

All of the following Requirements must be met:

A. The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.

B. Pay the agreed amount for the estate or interest to be insured.

C. Pay the premiums, fees, and charges for the Policy to the Company.

D. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.

E. Releases(s) or Reconveyance(s) of Item(s): None

F. Other: None

G. You must give us the following information:
   a. Any off-record leases, surveys, etc.
   b. Statement(s) of Identity, all parties.
   c. Other: None

The following additional requirements, as indicated by "X", must be met:

☒ H. Provide information regarding any off-record matters, which may include, but are not limited to: leases, recent works of improvement, or commitment statements in effect under the Environmental Responsibility Acceptance Act, Civil Code Section 850, et seq.

☒ I. The Company's Owner's Affidavit form (attached hereto) must be completed and submitted prior to close in order to satisfy this requirement. This Commitment will then be subject to such further exceptions and/or requirements as may be deemed necessary.

☒ J. An ALTA/NSPS survey of recent date, which complies with the current minimum standard detail requirements for ALTA/NSPS land title surveys, must be submitted to the Company for review. This Commitment will then be subject to such further exceptions and/or requirements as may be deemed necessary.

This page is only a part of a 2021 ALTA Commitment for Title Insurance issued by First American Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I—Requirements; and Schedule B, Part II—Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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☐ K. The following LLC documentation is required from the seller:
a. a copy of the Articles of Organization.
b. a copy of the Operating Agreement, if applicable.
c. a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State.
d. express Company Consent to the current transaction.

☐ L. The following partnership documentation is required:
a. a copy of the partnership agreement, including all applicable amendments thereto.
b. a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State.
c. express Partnership Consent to the current transaction.

☒ M. The following corporation documentation is required:
a. a copy of the Articles of Incorporation.
b. a copy of the Bylaws, including all applicable Amendments thereto.
c. a Certificate of Good Standing and/or other evidence of current Authority to Conduct Business within the State.
d. express Corporate Resolution consenting to the current transaction.

☒ N. Based upon the Company's review of that certain partnership/operating agreement dated Not disclosed for the proposed insured herein, the following requirements must be met: Any further amendments to said agreement must be submitted to the Company, together with an affidavit from one of the general partners or members stating that it is a true copy, that said partnership or limited liability company is in full force and effect, and that there have been no further amendments to the agreement. This Commitment will then be subject to such further requirements as may be deemed necessary.

☐ O. A copy of the complete lease, as referenced in Schedule A, #3 herein, together with any amendments and/or assignments thereto, must be submitted to the Company for review, along with an affidavit executed by the present lessee stating that it is a true copy, that the lease is in full force and effect, and that there have been no further amendments to the lease. This Commitment will then be subject to such further requirements as may be deemed necessary.

☒ P. Approval from the Company's Underwriting Department must be obtained for issuance of the policy contemplated herein and any endorsements requested thereunder. This Commitment will then be subject to such further requirements as may be required to obtain such approval.

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☐ Q. Potential additional requirements, if ALTA Extended coverage is contemplated hereunder, and work on the land has commenced prior to close, some or all of the following requirements, and any other requirements which may be deemed necessary, may need to be met:
a. The Company's "Indemnity Agreement I" must be executed by the appropriate parties.
b. Financial statements from the appropriate parties must be submitted to the Company for review.
c. A copy of the construction contract must be submitted to the Company for review.
d. An inspection of the Land must be performed by the Company for verification of the phase of construction.
e. The Company's "Mechanic's Lien Risk Addendum" form must be completed by a Company employee, based upon information furnished by the appropriate parties involved.

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Commitment No. NCS-1188997-SD

SCHEDULE B, PART II—Exceptions

Some historical land records contain Discriminatory Covenants that are illegal and unenforceable by law. This Commitment and the Policy treat any Discriminatory Covenant in a document referenced in Schedule B as if each Discriminatory Covenant is redacted, repudiated, removed, and not republished or recirculated. Only the remaining provisions of the document will be excepted from coverage.

The Policy will not insure against loss or damage resulting from the terms and conditions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

1. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I—Requirements are met.

2. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.

3. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.

4. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.

5. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.

6. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.

7. Any claim to (a) ownership of or rights to minerals and similar substances, including but not limited to ores, metals, coal, lignite, oil, gas, geothermal resources, uranium, clay, rock, sand and gravel located in, on, or under the Land or produced from the Land, whether such ownership or rights arise by lease, grant, exception, conveyance, reservation, or otherwise; and (b) any rights, privileges, immunities, rights of way, and easements associated therewith or appurtenant thereto, whether or not the interests or rights excepted in (a) or (b) appear in the Public Records or are shown in Schedule B.

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8. General and special taxes and assessments for the fiscal year 2023-2024, a lien not yet due or payable.

9. The lien of supplemental taxes, if any, assessed pursuant to Chapter 3.5 commencing with Section 75 of the California Revenue and Taxation Code.

10. An easement for single line of poles and wires and incidental purposes in the document recorded September 20, 1918 in Book 274 of Deeds, Page 269.

    Affects the Easterly portion lying within Manhattan Avenue. The Exact Location is not disclosed.

11. Easement for road way and utility purposes over that portion of the described property lying within Manhattan Avenue.

12. An easement for ingress and egress and incidental purposes, recorded February 23, 1951 in Book 2026, Page 628 of Official Records.
    In Favor of: San Jose Abstract and Title Insurance Company, a corporation
    Affects: Parcel Two

13. An alley as shown on the map referred to in the Legal Description herein.

14. The fact that the land lies within the boundaries of the East Palo Alto Redevelopment Project Area, as disclosed by the document recorded February 08, 1982 as Instrument No. 82011018 of Official Records.

15. Any claim that the Title is subject to a trust or lien created under The Perishable Agricultural Commodities Act, 1930 (7 U.S.C. §§499a, et seq.) or the Packers and Stockyards Act (7 U.S.C. §§181 et seq.) or under similar state laws.

16. Any facts, rights, interests or claims which would be disclosed by a correct ALTA/NSPS survey.

17. Rights of parties in possession.

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INFORMATIONAL NOTES

ALERT - CA Senate Bill 2 imposes an additional fee of $75 up to $225 at the time of recording on certain transactions effective January 1, 2018. Please contact your First American Title representative for more information on how this may affect your closing.

1. Taxes for proration purposes only for the fiscal year 2022-2023.

First Installment:	$515.86, PAID
Second Installment:	$515.86, PAID
Tax Rate Area:	21-014
APN:	063-292-380

2. According to the latest available equalized assessment roll in the office of the county tax assessor, there is located on the land a(n) Educational Facility known as 2160 Euclid Avenue, East Palo Alto, County of San Mateo, California.

3. According to the public records, there has been no conveyance of the land within a period of twenty-four months prior to the date of this report, except as follows:

   None

4. This preliminary report/commitment was prepared based upon an application for a policy of title insurance that identified land by street address or assessor's parcel number only. It is the responsibility of the applicant to determine whether the land referred to herein is in fact the land that is to be described in the policy or policies to be issued.

The map attached, if any, may or may not be a survey of the land depicted thereon. First American Title Insurance Company expressly disclaims any liability for loss or damage which may result from reliance on this map except to the extent coverage for such loss or damage is expressly provided by the terms and provisions of this Commitment or the Policy, if any, to which the map is attached.

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Commitment No. NCS-1188997-SD

EXHIBIT A

The Land referred to herein below is situated in the City of East Palo Alto, County of San Mateo, State of California, and is described as follows:

THAT CERTAIN REAL PROPERTY SITUATE IN THE CITY OF EAST PALO ALTO, COUNTY OF SAN MATEO, STATE OF CALIFORNIA, BEING ALL OF THAT LAND DESCRIBED IN THAT DEED, FILED FOR RECORD ON JULY 12, 1927, IN BOOK 302, PAGE 146, OFFICIAL RECORDS OF SAID COUNTY AND ALSO BEING A PORTION OF THAT LAND DESCRIBED IN THAT DEED, FILED FOR RECORD ON DECEMBER 27, 1941, IN BOOK 876, PAGE 305, AND ALSO BEING A PORTION OF THAT GRANT DEED, FILED FOR RECORD ON SEPTEMBER 30, 2011, AS DOCUMENT NO. 2011-113909, OFFICIAL RECORDS OF SAID COUNTY AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF LOT 1 OF BLOCK 13 AS SHOWN ON THAT CERTAIN MAP ENTITLED "MAP OF WOODLAND PLACE SUBDIVISION NO. ONE OF RAVENSWOOD, SAN MATEO COUNTY, CALIFORNIA, PROPERTY OF RAVENSWOOD INVESTMENT CO., INC.," FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, STATE OF CALIFORNIA ON AUGUST 01, 1910 IN BOOK 7 OF MAPS, PAGE 24, SAID POINT ALSO BEING THE POINT OF INTERSECTION OF THE NORTHERLY LINE OF DONOHOE STREET AND THE EASTERLY LINE OF MANHATTAN AVENUE (NOW ABANDONED) AS SHOWN ON SAID MAP, SAID POINT BEING THE TRUE POINT OF BEGINNING OF THIS DESCRIPTION;

THENCE ALONG SAID NORTHERLY RIGHT OF WAY LINE OF DONOHOE STREET, NORTH 87° 01' 28" WEST, 286.16 FEET TO THE SOUTHWEST CORNER OF LOT 1 OF BLOCK 12 OF SAID MAP;

THENCE ALONG THE EASTERLY RIGHT OF WAY LINE OF EUCLID AVENUE AS SHOWN ON SAID MAP, NORTH 10° 19' 10" EAST, 655.65 FEET TO THE SOUTHERLY LINE OF EUCLID PLACE AS SHOWN ON SAID MAP;

THENCE ALONG SAID SOUTHERLY LINE AND ITS PROLONGATION, SOUTH 87° 01' 28" EAST, 192.32 FEET TO THE CENTERLINE OF SAID MANHATTAN AVENUE (NOW ABANDONED);

THENCE ALONG SAID CENTERLINE, SOUTH 04° 44' 08" WEST, 99.17 FEET TO A POINT ON THE WESTERLY PROLONGATION OF THE COMMON LINE OF LOT 10 AND LOT 11 OF SAID BLOCK 13;

THENCE ALONG LAST SAID LINE, SOUTH 85° 18' 24" EAST, 163.65 FEET TO THE COMMON CORNER OF SAID LOT 10 AND LOT 11, SAID POINT ALSO BEING ON THE WESTERLY LINE OF LOT 25 OF SAID BLOCK 13;

THENCE ALONG THE EASTERLY LINE OF LOT 7, LOT 8, LOT 9 AND SAID LOT 10, SOUTH 03° 00' 09" WEST, 153.62 FEET;

THENCE LEAVING SAID EASTERLY LINE, NORTH 87° 01' 28" WEST, 168.37 FEET TO THE CENTERLINE OF SAID MANHATTAN AVENUE (NOW ABANDONED) AS SHOWN ON SAID MAP;

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THENCE ALONG SAID CENTERLINE, SOUTH 04° 44' 08" WEST, 391.81 FEET TO A POINT BEING ONE FOOT, MEASURED AT RIGHT ANGLES, FROM THE NORTHERLY LINE OF SAID DONONHOE STREET;

THENCE ALONG A LINE PARALLEL WITH SAID NORTHERLY LINE, SOUTH 87° 01' 28" EAST, 5.00 FEET;

THENCE ALONG A LINE PARALLEL WITH SAID CENTERLINE, NORTH 04° 44' 08" EAST, 249.13 FEET;

THENCE SOUTH 87° 01' 28" EAST, 25.01 FEET TO SAID EASTERLY LINE OF MANHATTAN AVENUE (NOW ABANDONED);

THENCE ALONG SAID EASTERLY LINE, SOUTH 04° 44' 08" WEST, 250.13 FEET TO THE TRUE POINT OF BEGINNING.

SAID PARCEL IS SHOWN ON THAT CERTAIN LOT LINE ADJUSTMENT RECORDED JULY 9, 2018 AS INSTRUMENT NO. 2018-053051, SAN MATEO COUNTY OFFICIAL RECORDS.

For conveyancing purposes only: APN 063-292-380

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ALTA COMMITMENT FOR TITLE INSURANCE
issued by
FIRST AMERICAN TITLE INSURANCE COMPANY

NOTICE

IMPORTANT—READ CAREFULLY: THIS COMMITMENT IS AN OFFER TO ISSUE ONE OR MORE TITLE INSURANCE POLICIES. ALL CLAIMS OR REMEDIES SOUGHT AGAINST THE COMPANY INVOLVING THE CONTENT OF THIS COMMITMENT OR THE POLICY MUST BE BASED SOLELY IN CONTRACT.

THIS COMMITMENT IS NOT AN ABSTRACT OF TITLE, REPORT OF THE CONDITION OF TITLE, LEGAL OPINION, OPINION OF TITLE, OR OTHER REPRESENTATION OF THE STATUS OF TITLE. THE PROCEDURES USED BY THE COMPANY TO DETERMINE INSURABILITY OF THE TITLE, INCLUDING ANY SEARCH AND EXAMINATION, ARE PROPRIETARY TO THE COMPANY, WERE PERFORMED SOLELY FOR THE BENEFIT OF THE COMPANY, AND CREATE NO EXTRACONTRACTUAL LIABILITY TO ANY PERSON, INCLUDING A PROPOSED INSURED.

THE COMPANY'S OBLIGATION UNDER THIS COMMITMENT IS TO ISSUE A POLICY TO A PROPOSED INSURED IDENTIFIED IN SCHEDULE A IN ACCORDANCE WITH THE TERMS AND PROVISIONS OF THIS COMMITMENT. THE COMPANY HAS NO LIABILITY OR OBLIGATION INVOLVING THE CONTENT OF THIS COMMITMENT TO ANY OTHER PERSON.

COMMITMENT TO ISSUE POLICY

Subject to the Notice; Schedule B, Part I—Requirements; Schedule B, Part II—Exceptions; and the Commitment Conditions, First American Title Insurance Company, a Nebraska Corporation (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Amount of Insurance and the name of the Proposed Insured.

If all of the Schedule B, Part I—Requirements have not been met within six months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

FIRST AMERICAN TITLE INSURANCE COMPANY

By: _____
Kenneth D. DeGiorgio, President

By: _____
Lisa W. Cornehl, Secretary

This page is only a part of a 2021 ALTA Commitment for Title Insurance issued by First American Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I—Requirements; and Schedule B, Part II—Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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COMMITMENT CONDITIONS

1. DEFINITIONS

a. "Discriminatory Covenant": Any covenant, condition, restriction, or limitation that is unenforceable under applicable law because it illegally discriminates against a class of individuals based on personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or other legally protected class.

b. "Knowledge" or "Known": Actual knowledge or actual notice, but not constructive notice imparted by the Public Records.

c. "Land": The land described in Item 5 of Schedule A and improvements located on that land that by State law constitute real property. The term "Land" does not include any property beyond that described in Schedule A, nor any right, title, interest, estate, or easement in any abutting street, road, avenue, alley, lane, right-of-way, body of water, or waterway, but does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.

d. "Mortgage": A mortgage, deed of trust, trust deed, security deed, or other real property security instrument, including one evidenced by electronic means authorized by law.

e. "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.

f. "Proposed Amount of Insurance": Each dollar amount specified in Schedule A as the Proposed Amount of Insurance of each Policy to be issued pursuant to this Commitment.

g. "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.

h. "Public Records": The recording or filing system established under State statutes in effect at the Commitment Date under which a document must be recorded or filed to impart constructive notice of matters relating to the Title to a purchaser for value without Knowledge. The term "Public Records" does not include any other recording or filing system, including any pertaining to environmental remediation or protection, planning, permitting, zoning, licensing, building, health, public safety, or national security matters.

i. "State": The state or commonwealth of the United States within whose exterior boundaries the Land is located. The term "State" also includes the District of Columbia, the Commonwealth of Puerto Rico, the U.S. Virgin Islands, and Guam.

j. "Title": The estate or interest in the Land identified in Item 3 of Schedule A.

2. If all of the Schedule B, Part I—Requirements have not been met within the time period specified in the Commitment to Issue Policy, this Commitment terminates and the Company's liability and obligation end.

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3. The Company's liability and obligation is limited by and this Commitment is not valid without:
   a. the Notice;
   b. the Commitment to Issue Policy;
   c. the Commitment Conditions;
   d. Schedule A;
   e. Schedule B, Part I—Requirements; and
   f. Schedule B, Part II—Exceptions; and
   g. a counter-signature by the Company or its issuing agent that may be in electronic form.

4. COMPANY'S RIGHT TO AMEND
The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company is not liable for any other amendment to this Commitment.

5. LIMITATIONS OF LIABILITY
   a. The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:
      i. comply with the Schedule B, Part I—Requirements;
      ii. eliminate, with the Company's written consent, any Schedule B, Part II—Exceptions; or
      iii. acquire the Title or create the Mortgage covered by this Commitment.
   b. The Company is not liable under Commitment Condition 5.a. if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.
   c. The Company is only liable under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.
   d. The Company's liability does not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Condition 5.a. or the Proposed Amount of Insurance.
   e. The Company is not liable for the content of the Transaction Identification Data, if any.
   f. The Company is not obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I—Requirements have been met to the satisfaction of the Company.
   g. The Company's liability is further limited by the terms and provisions of the Policy to be issued to the Proposed Insured.

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6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT; CHOICE OF LAW AND CHOICE OF FORUM

a. Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.

b. Any claim must be based in contract under the State law of the State where the Land is located and is restricted to the terms and provisions of this Commitment. Any litigation or other proceeding brought by the Proposed Insured against the Company must be filed only in a State or federal court having jurisdiction.

c. This Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.

d. The deletion or modification of any Schedule B, Part II—Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.

e. Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company.

f. When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT IS ISSUED BY AN ISSUING AGENT

The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for closing, settlement, escrow, or any other purpose.

8. PRO-FORMA POLICY

The Company may provide, at the request of a Proposed Insured, a pro-forma policy illustrating the coverage that the Company may provide. A pro-forma policy neither reflects the status of Title at the time that the pro-forma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

9. CLAIMS PROCEDURES

This Commitment incorporates by reference all Conditions for making a claim in the Policy to be issued to the Proposed Insured. Commitment Condition 9 does not modify the limitations of liability in Commitment Conditions 5 and 6.

10. CLASS ACTION

ALL CLAIMS AND DISPUTES ARISING OUT OF OR RELATING TO THIS COMMITMENT, INCLUDING ANY SERVICE OR OTHER MATTER IN CONNECTION WITH ISSUING THIS COMMITMENT, ANY BREACH OF A COMMITMENT PROVISION, OR ANY OTHER CLAIM OR DISPUTE ARISING OUT OF OR RELATING TO THE TRANSACTION GIVING RISE TO THIS COMMITMENT, MUST BE BROUGHT IN AN INDIVIDUAL CAPACITY. NO PARTY MAY SERVE AS PLAINTIFF, CLASS MEMBER, OR PARTICIPANT IN ANY CLASS OR REPRESENTATIVE PROCEEDING. ANY POLICY ISSUED PURSUANT TO THIS COMMITMENT WILL CONTAIN A CLASS ACTION CONDITION.

This page is only a part of a 2021 ALTA Commitment for Title Insurance issued by First American Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I—Requirements; and Schedule B, Part II—Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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11. ARBITRATION

The Policy contains an arbitration clause. All arbitrable matters when the Proposed Amount of Insurance is $2,000,000 or less may be arbitrated at the election of either the Company or the Proposed Insured as the exclusive remedy of the parties. A Proposed Insured may review a copy of the arbitration rules at http://www.alta.org/arbitration.

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DRAFT

APPENDIX C

ENVIRONMENTAL DATA RESOURCES, INC.

Historical Topographic Map Report

2160 Euclid Avenue

2160 Euclid Avenue

Palo Alto, CA 94303

Inquiry Number: 7423178.4

August 21, 2023

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

08/21/23

Site Name:	Client Name:
2160 Euclid Avenue	Engeo Inc.
2160 Euclid Avenue	2010 Crow Canyon Place
Palo Alto, CA 94303	San Ramon, CA 94583
EDR Inquiry # 7423178.4	Contact: Rian Montagh

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Engeo Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	NA	**Latitude:**	37.463737 37° 27' 49" North
Project:	East Palo Alto Euclid	**Longitude:**	-122.143257 -122° 8' 36" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	575764.93
		UTM Y Meters:	4146662.81
		Elevation:	21.47' above sea level

Maps Provided:

2018	1953
2015	1948
2012	1947
1997, 1999	1943
1994, 1995	1902
1973	1899
1968	1897
1961	

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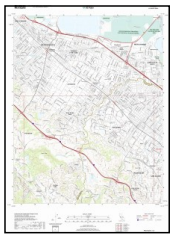
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

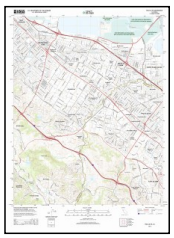
2018 Source Sheets



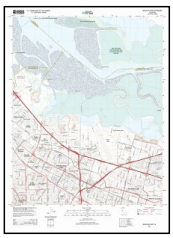
Palo Alto
2018
7.5-minute, 24000

Mountain View
2018
7.5-minute, 24000

2015 Source Sheets

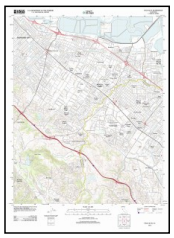


Palo Alto
2015
7.5-minute, 24000



Mountain View
2015
7.5-minute, 24000

2012 Source Sheets

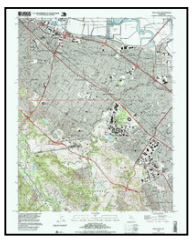


Palo Alto
2012
7.5-minute, 24000

Mountain View
2012
7.5-minute, 24000

1997, 1999 Source Sheets

Mountain View
1997
7.5-minute, 24000
Aerial Photo Revised 1997



Palo Alto
1999
7.5-minute, 24000
Aerial Photo Revised 1999

Topo Sheet Key

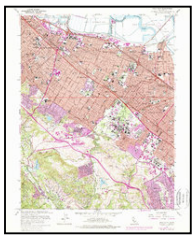
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1994, 1995 Source Sheets

Palo Alto
1994
7.5-minute, 24000
Aerial Photo Revised 1991

Mountain View
1995
7.5-minute, 24000
Aerial Photo Revised 1991

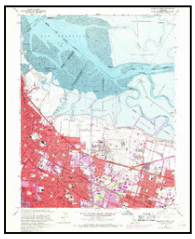
1973 Source Sheets



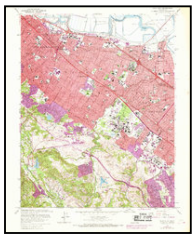
Palo Alto
1973
7.5-minute, 24000
Aerial Photo Revised 1973

Mountain View
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets

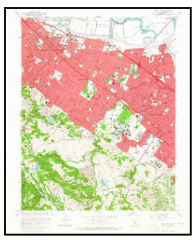


Mountain View
1968
7.5-minute, 24000
Aerial Photo Revised 1968

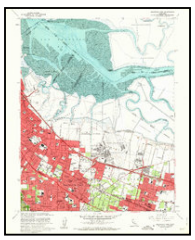


Palo Alto
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1961 Source Sheets



Palo Alto
1961
7.5-minute, 24000
Aerial Photo Revised 1960

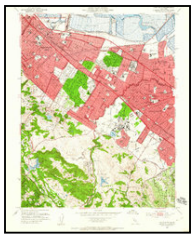


Mountain View
1961
7.5-minute, 24000
Aerial Photo Revised 1960

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1953 Source Sheets



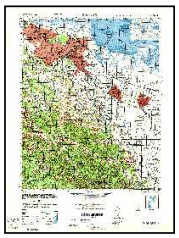
Palo Alto
1953
7.5-minute, 24000
Aerial Photo Revised 1948

Mountain View
1953
7.5-minute, 24000
Aerial Photo Revised 1948

1948 Source Sheets

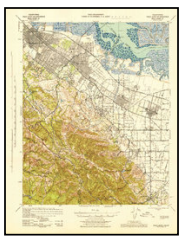
Palo Alto
1948
15-minute, 62500
Aerial Photo Revised 1948

1947 Source Sheets



PALO ALTO
1947
15-minute, 50000

1943 Source Sheets



Palo Alto
1943
15-minute, 62500
Aerial Photo Revised 1940

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1902 Source Sheets

Santa Cruz
1902
30-minute, 125000

1899 Source Sheets

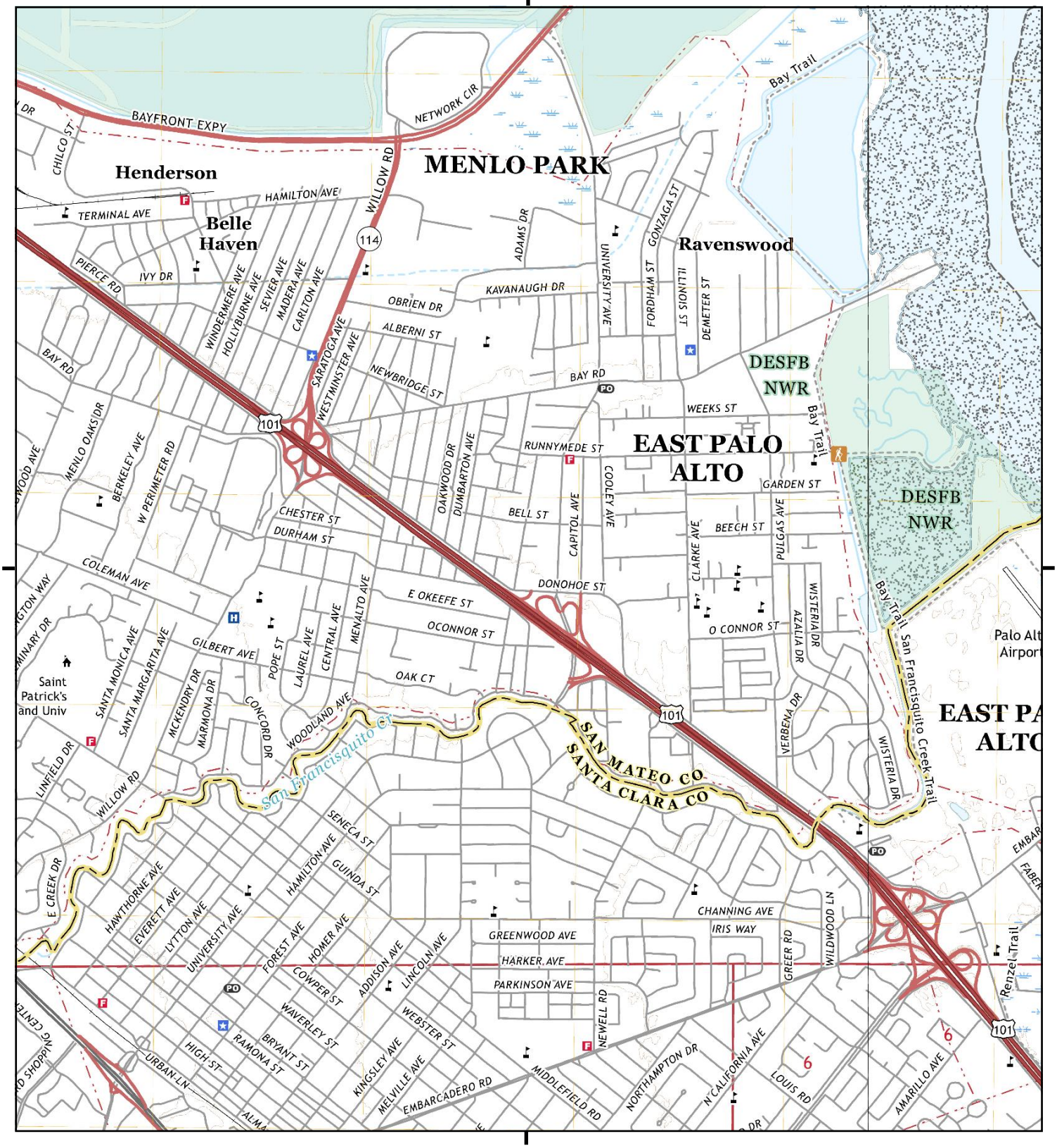
Palo Alto
1899
15-minute, 62500

1897 Source Sheets

Palo Alto
1897
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Palo Alto, 2018, 7.5-minute
E, Mountain View, 2018, 7.5-minute

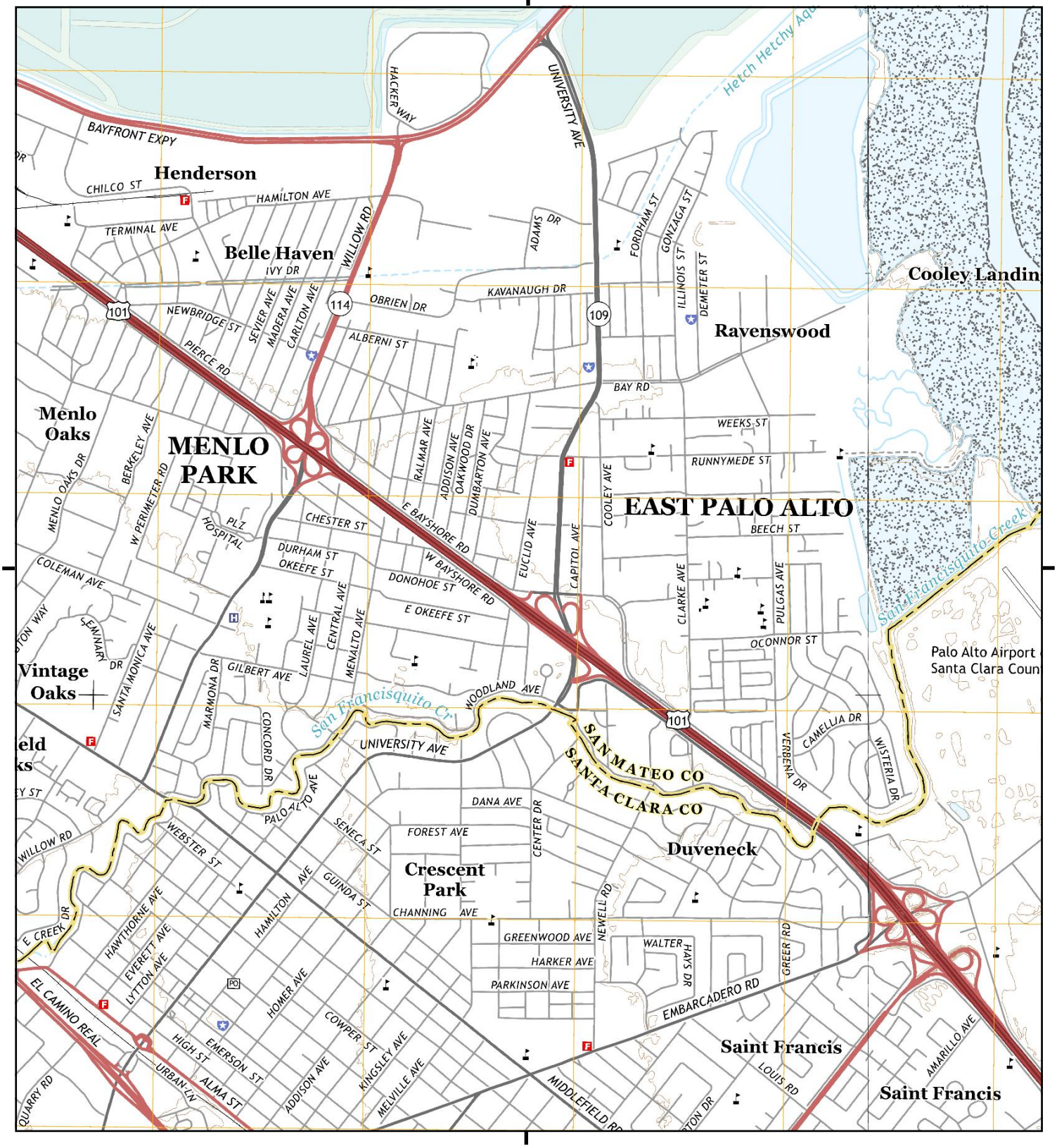
SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

1800

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

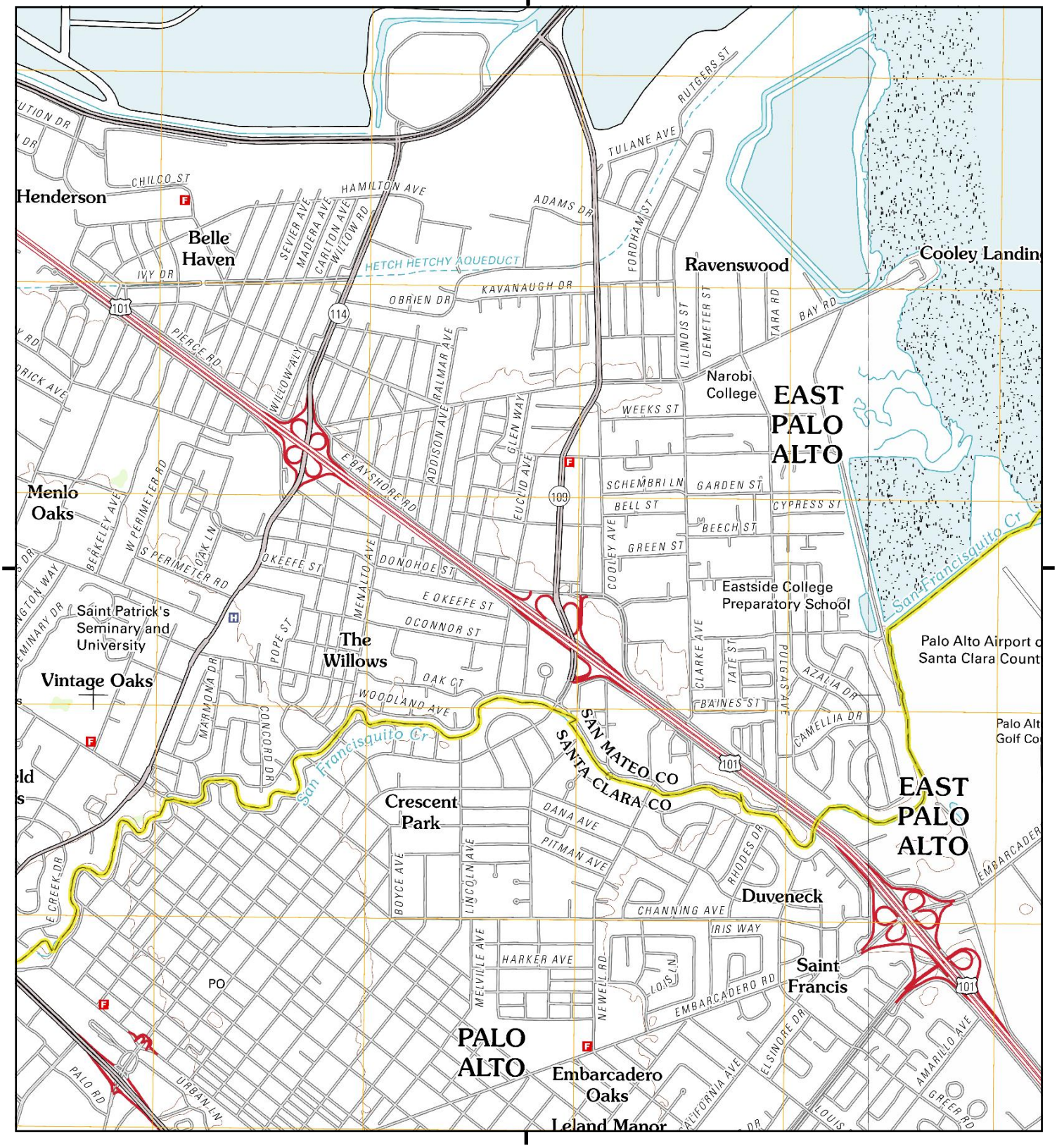
TP, Palo Alto, 2015, 7.5-minute
E, Mountain View, 2015, 7.5-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Palo Alto, 2012, 7.5-minute
E, Mountain View, 2012, 7.5-minute

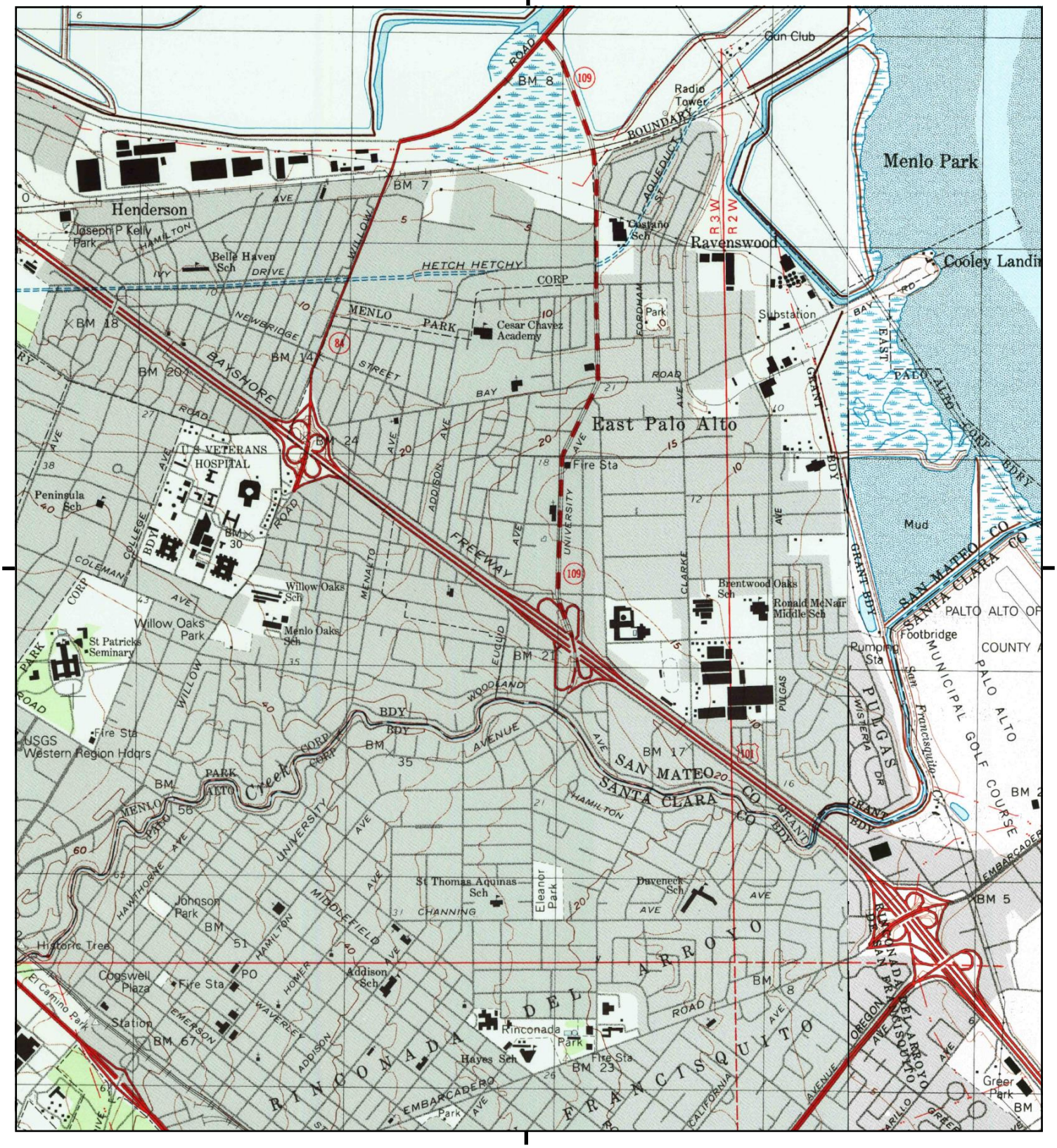
SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

1802

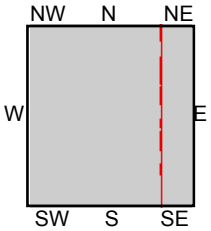
Historical Topo Map

1997, 1999



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



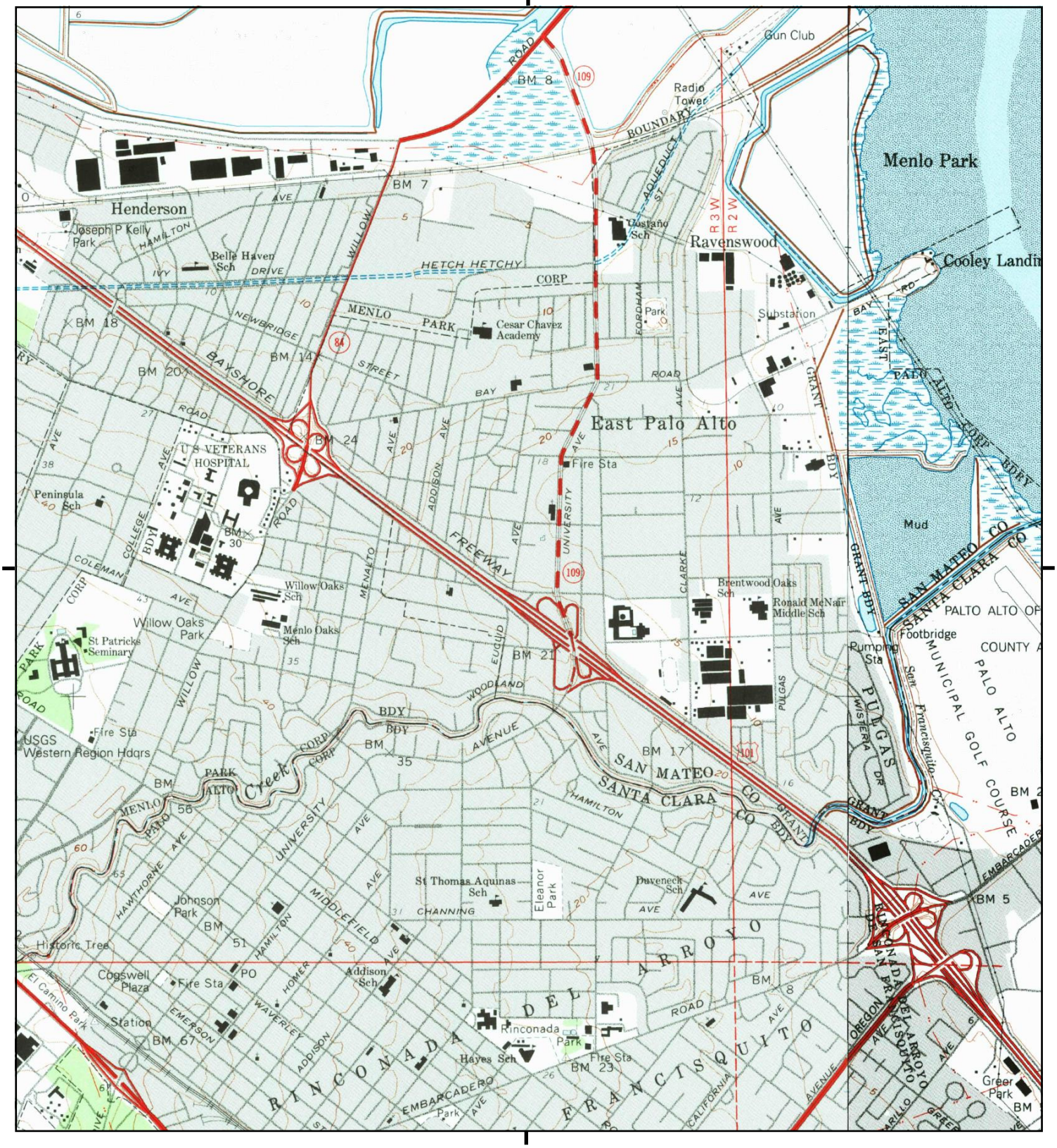
TP, Palo Alto, 1999, 7.5-minute
E, Mountain View, 1997, 7.5-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

Historical Topo Map

1994, 1995



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

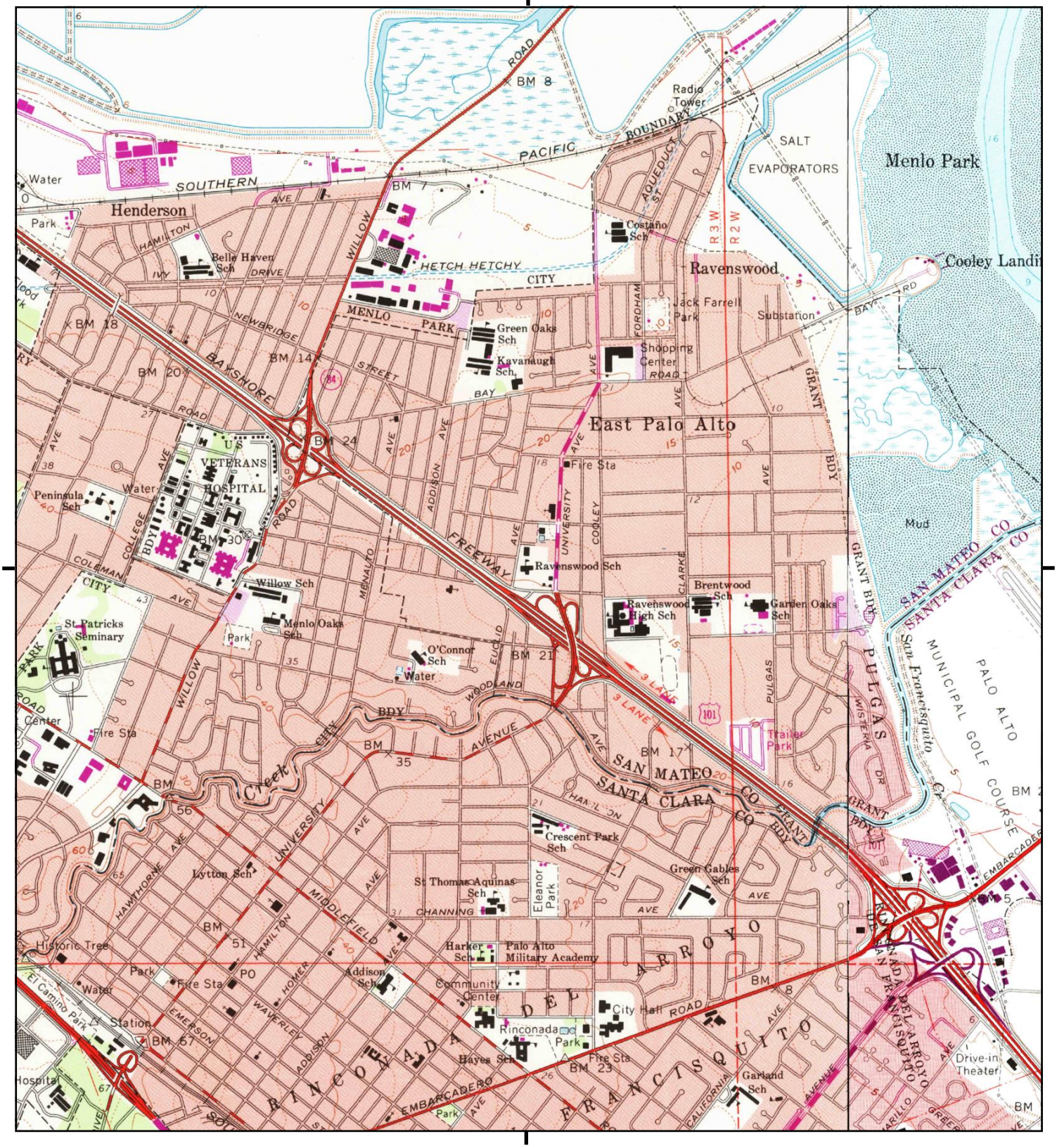
TP, Palo Alto, 1994, 7.5-minute
E, Mountain View, 1995, 7.5-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

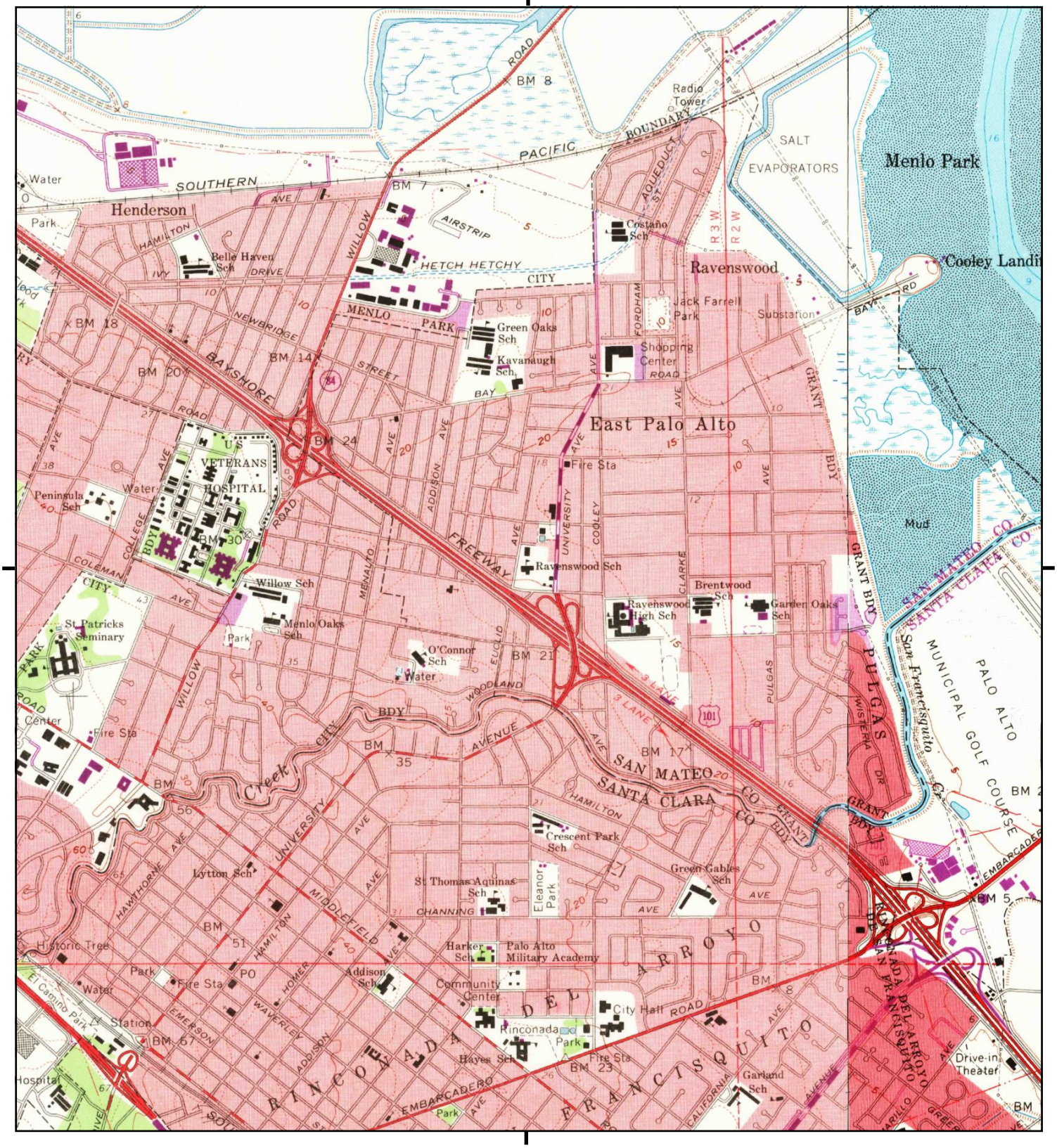
TP, Palo Alto, 1973, 7.5-minute
E, Mountain View, 1973, 7.5-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

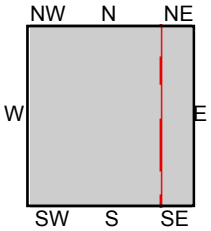
Historical Topo Map

1968



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



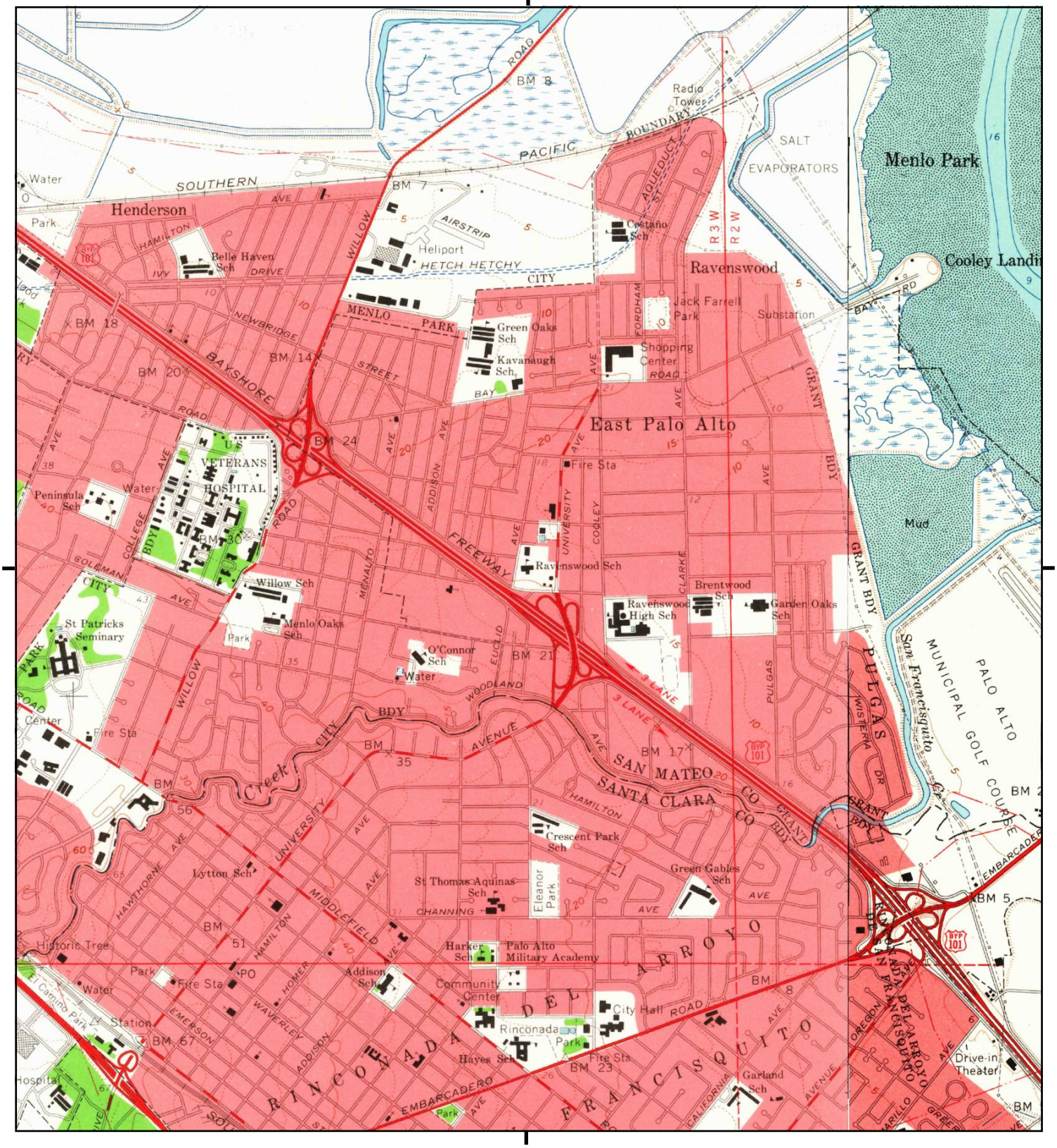
TP, Palo Alto, 1968, 7.5-minute
E, Mountain View, 1968, 7.5-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

Historical Topo Map

1961



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

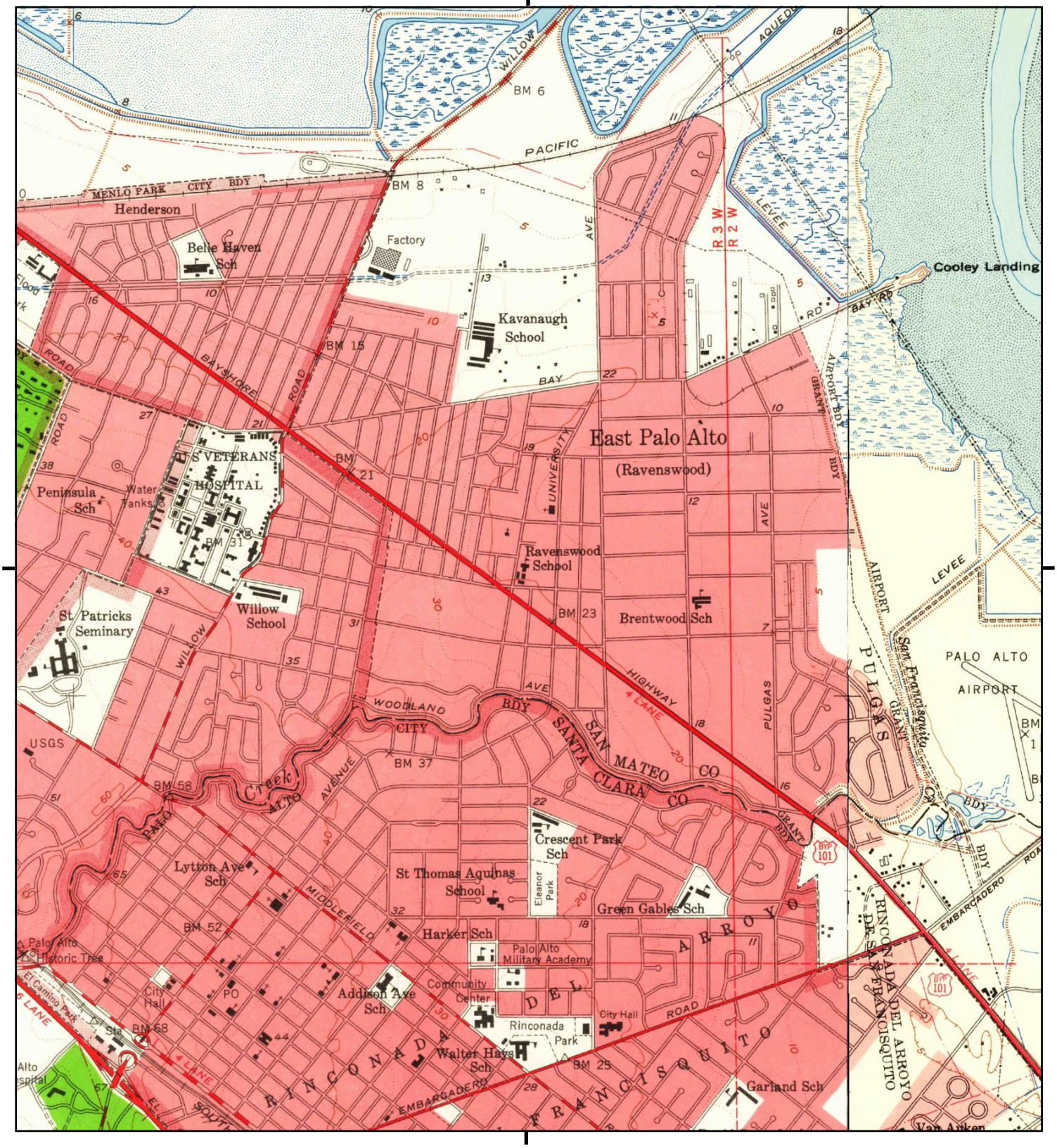
TP, Palo Alto, 1961, 7.5-minute
E, Mountain View, 1961, 7.5-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

Historical Topo Map

1953



This report includes information from the following map sheet(s).

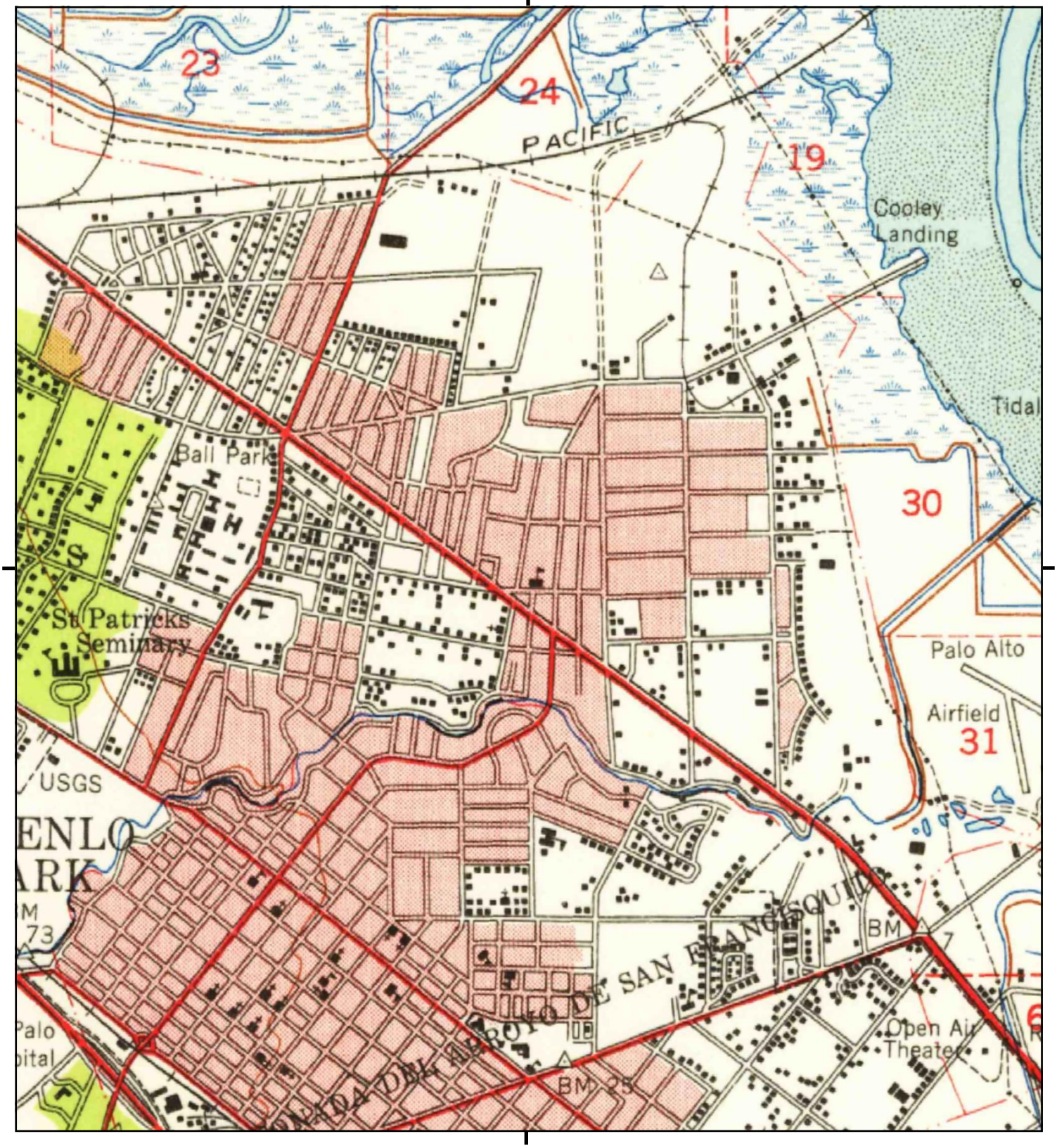
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Palo Alto, 1953, 7.5-minute
E, Mountain View, 1953, 7.5-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

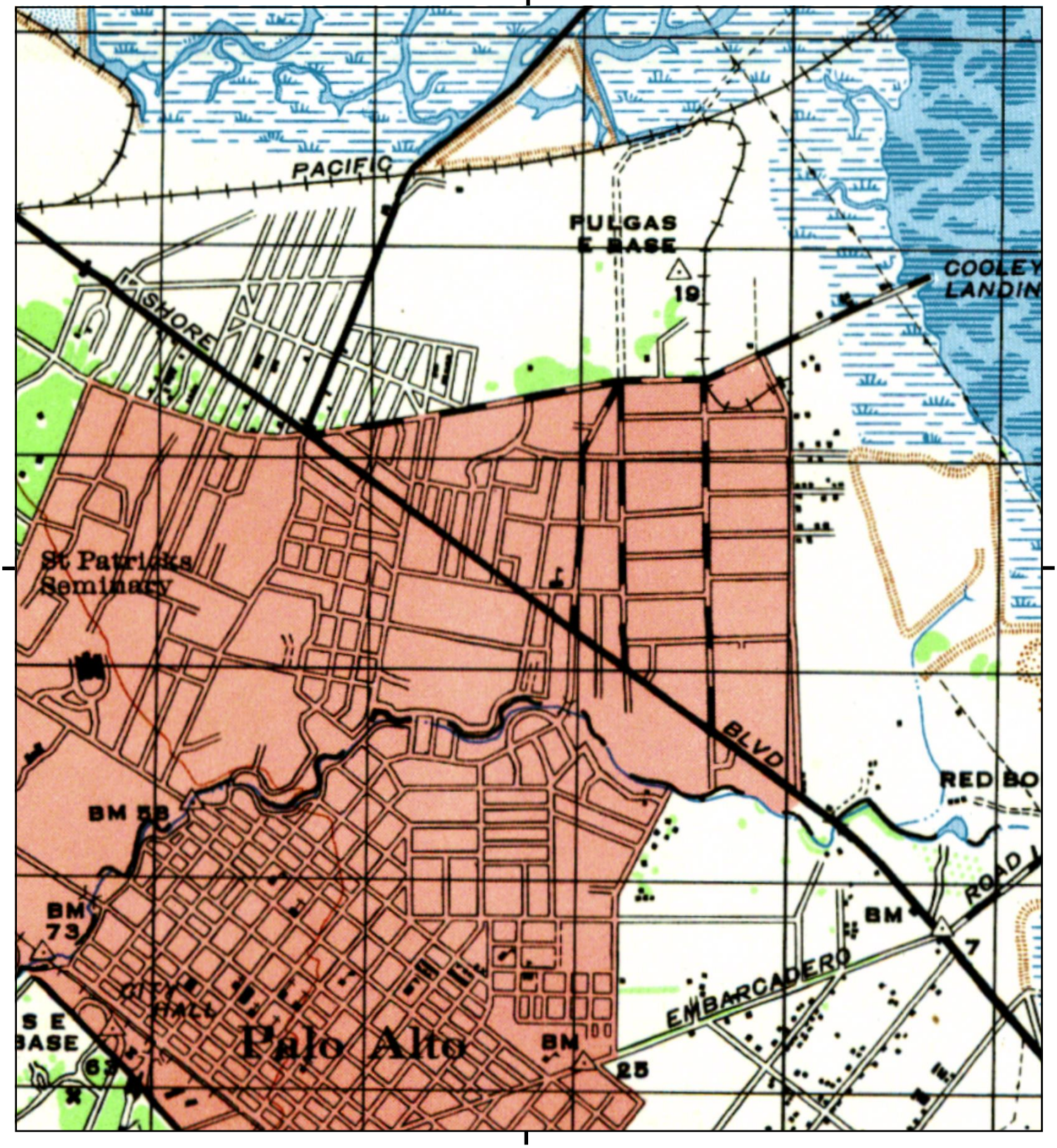
TP, Palo Alto, 1948, 15-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

Historical Topo Map

1947



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

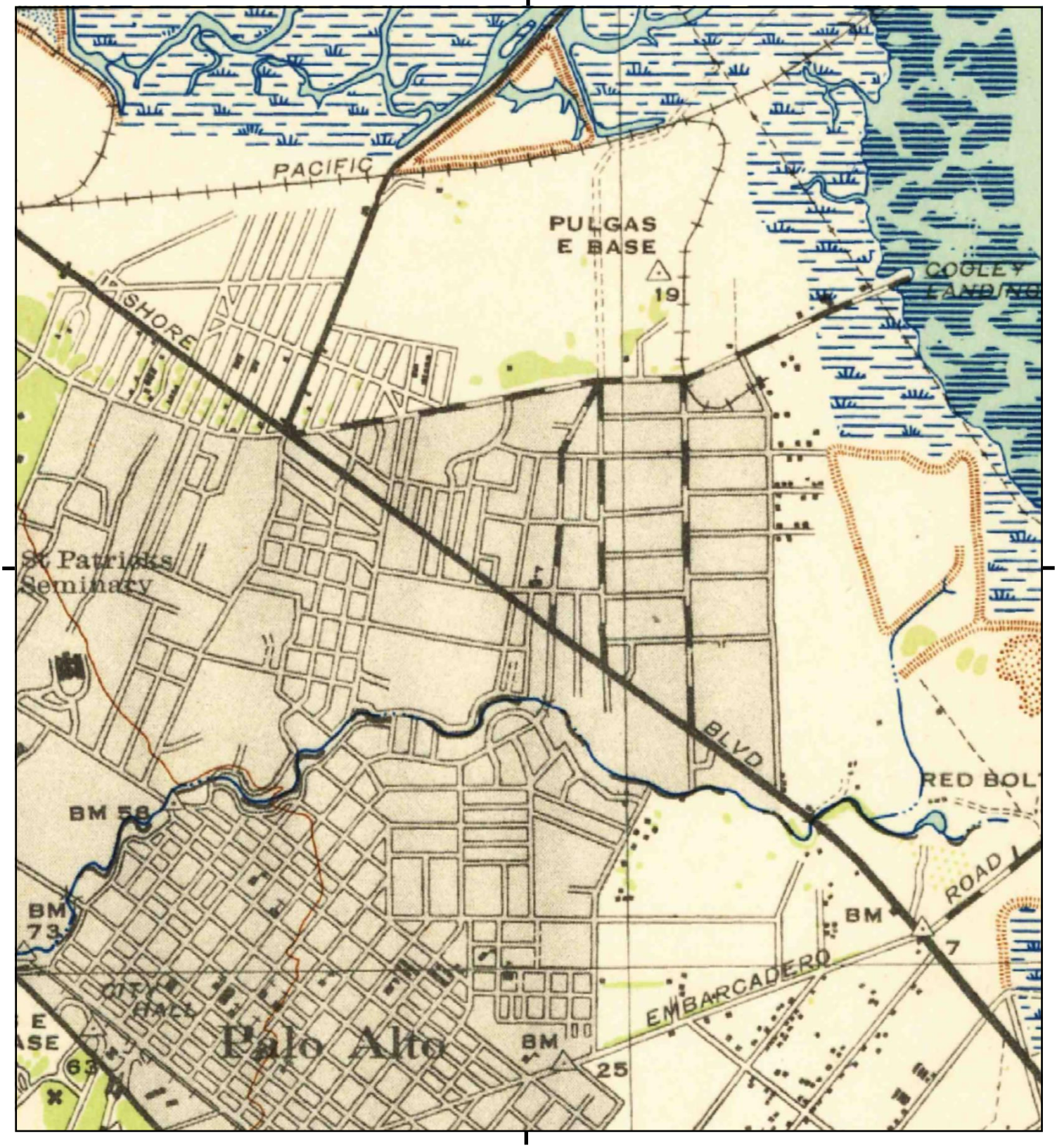
TP, PALO ALTO, 1947, 15-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

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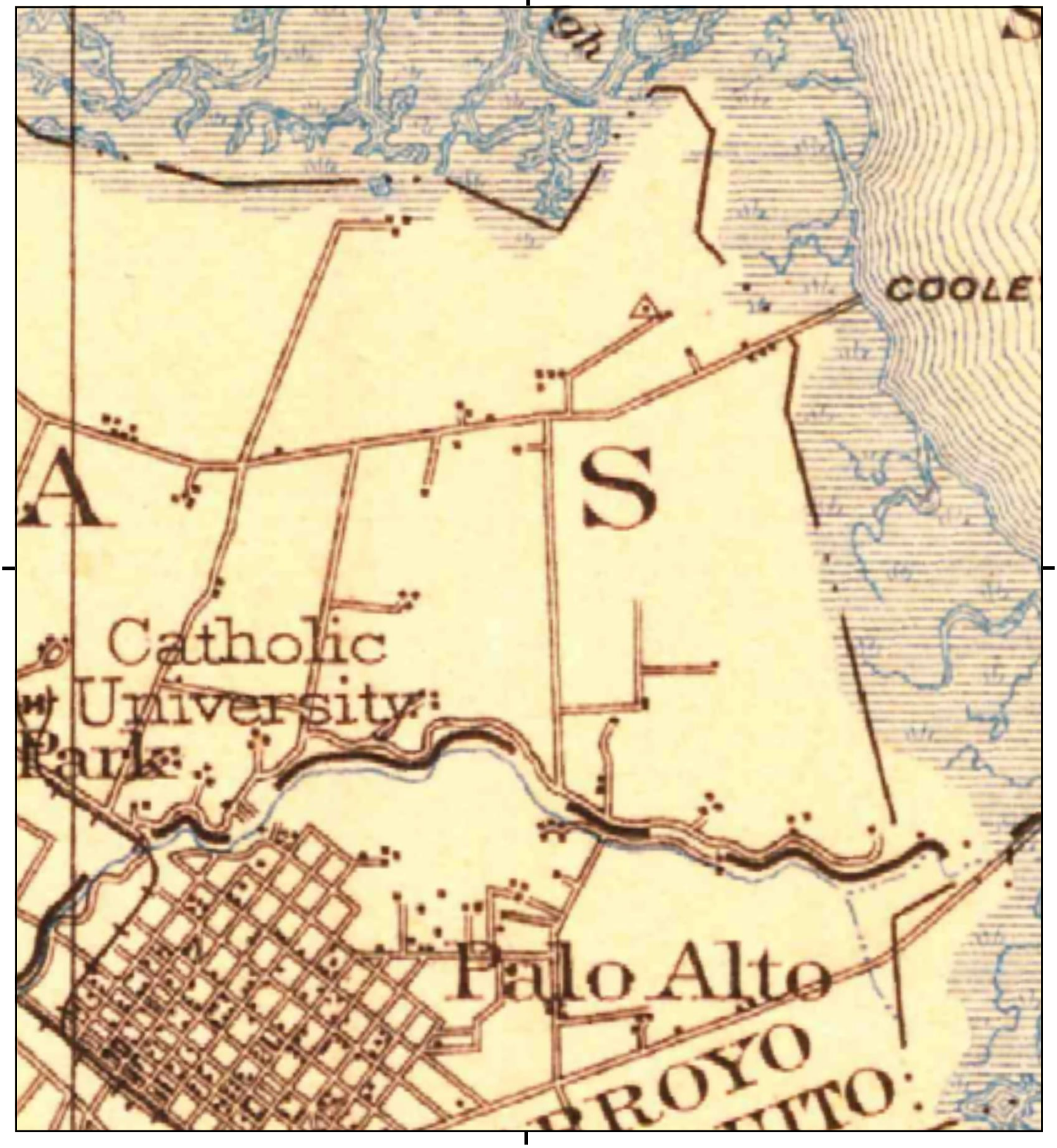
W E
SW S SE

TP, Palo Alto, 1943, 15-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N



This report includes information from the following map sheet(s).

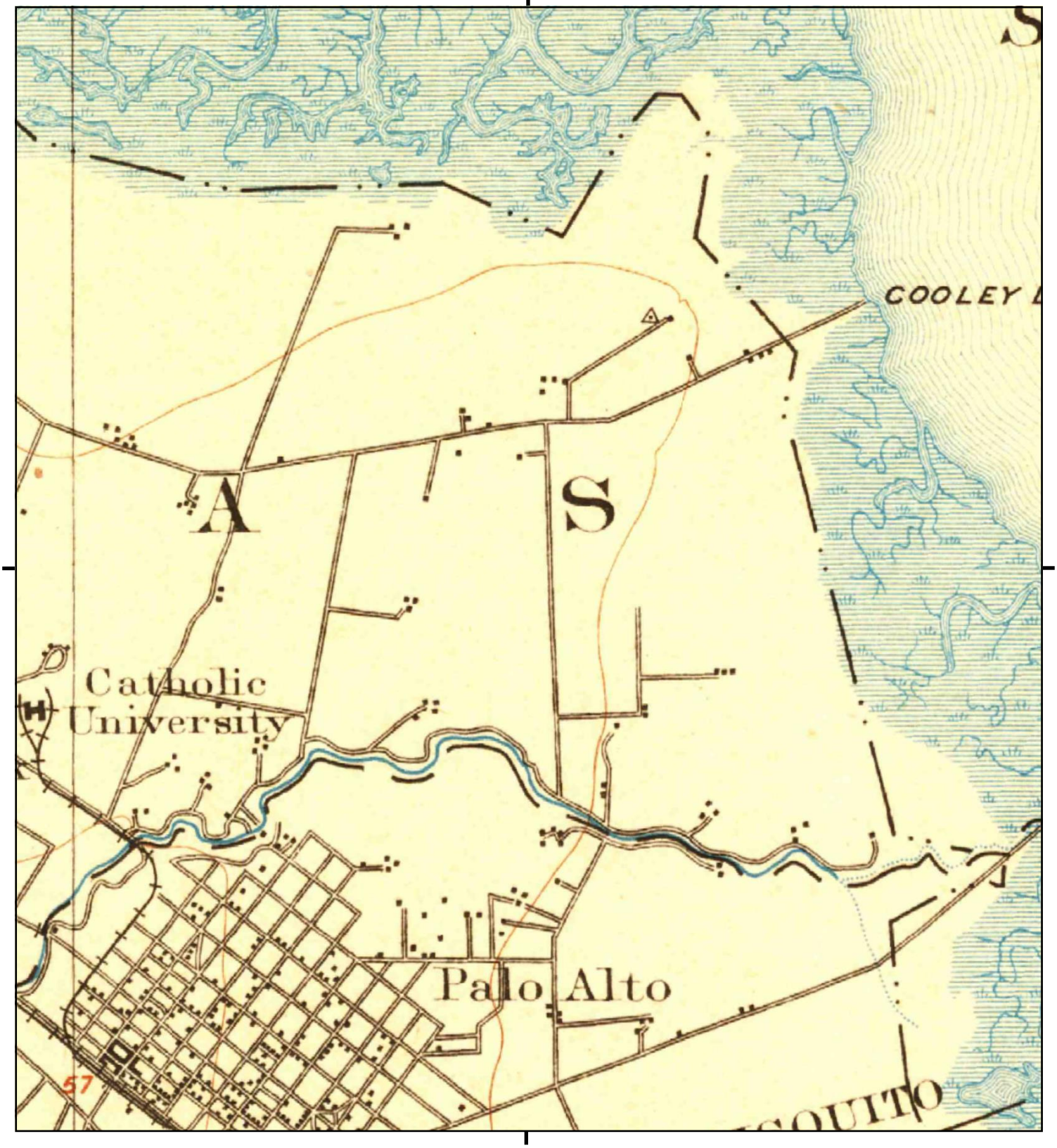
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Santa Cruz, 1902, 30-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N



This report includes information from the following map sheet(s).

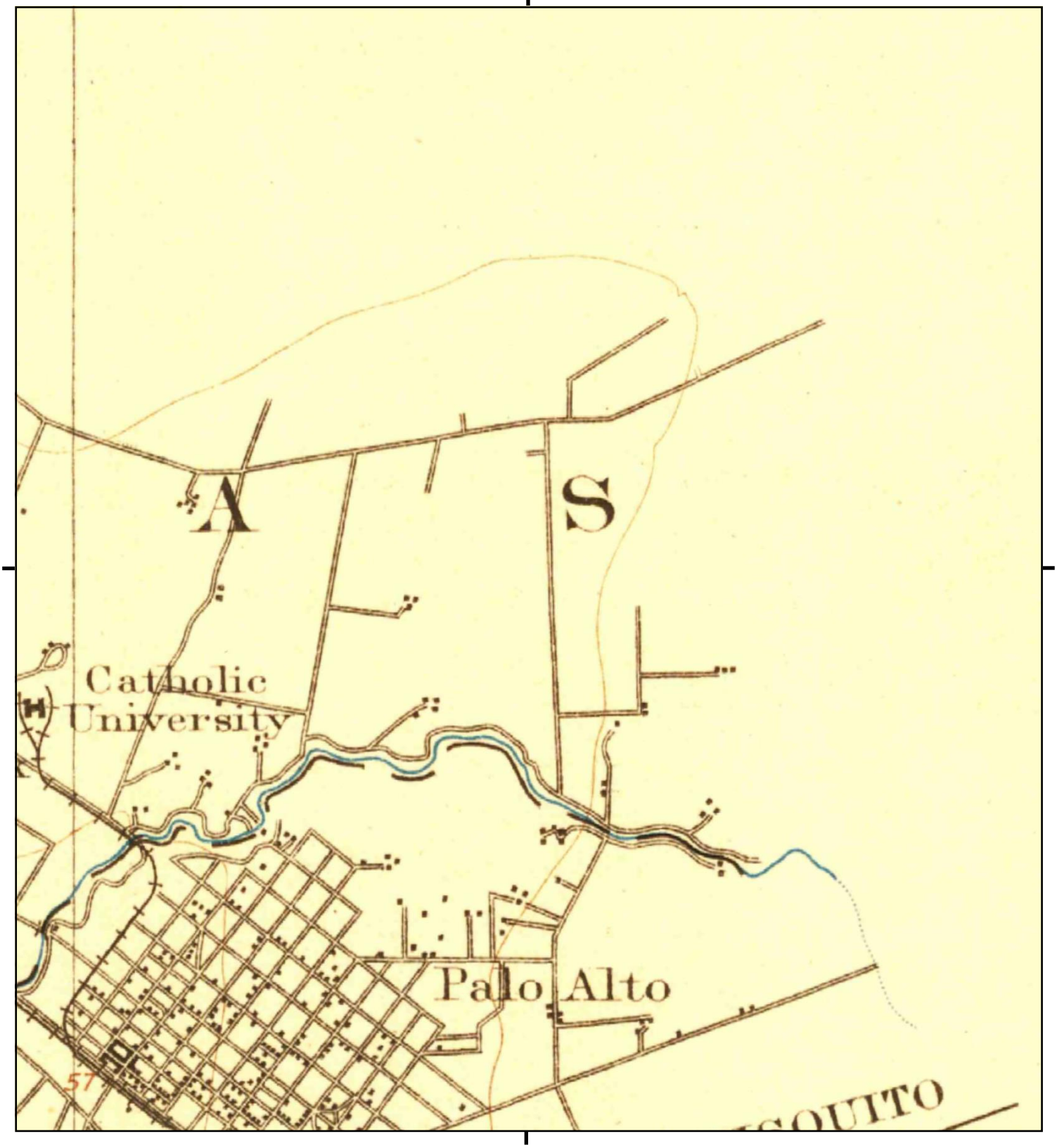
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Palo Alto, 1899, 15-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Palo Alto, 1897, 15-minute

SITE NAME: 2160 Euclid Avenue
ADDRESS: 2160 Euclid Avenue
Palo Alto, CA 94303
CLIENT: Engeo Inc.

N

DRAFT

APPENDIX D

ENVIRONMENTAL DATA RESOURCES, INC.

Aerial Photo Decade Package

2160 Euclid Avenue

2160 Euclid Avenue

Palo Alto, CA 94303

Inquiry Number: 7423178.8

August 21, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/21/23

Site Name:

2160 Euclid Avenue
2160 Euclid Avenue
Palo Alto, CA 94303
EDR Inquiry # 7423178.8

Client Name:

Engeo Inc.
2010 Crow Canyon Place
San Ramon, CA 94583
Contact: Rian Montagh

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Flight Date: August 27, 1998	USDA
1991	1"=500'	Acquisition Date: January 01, 1991	USGS/DOQQ
1982	1"=500'	Flight Date: July 05, 1982	USDA
1974	1"=500'	Flight Date: June 26, 1974	USGS
1968	1"=500'	Flight Date: June 14, 1968	USGS
1963	1"=500'	Flight Date: June 23, 1963	EDR Proprietary Aerial Viewpoint
1958	1"=500'	Flight Date: July 21, 1958	USGS
1950	1"=500'	Flight Date: April 03, 1950	USDA
1948	1"=500'	Acquisition Date: September 26, 1948	USGS/DOQQ
1943	1"=500'	Flight Date: October 05, 1943	USDA
1939	1"=500'	Flight Date: July 31, 1939	USDA

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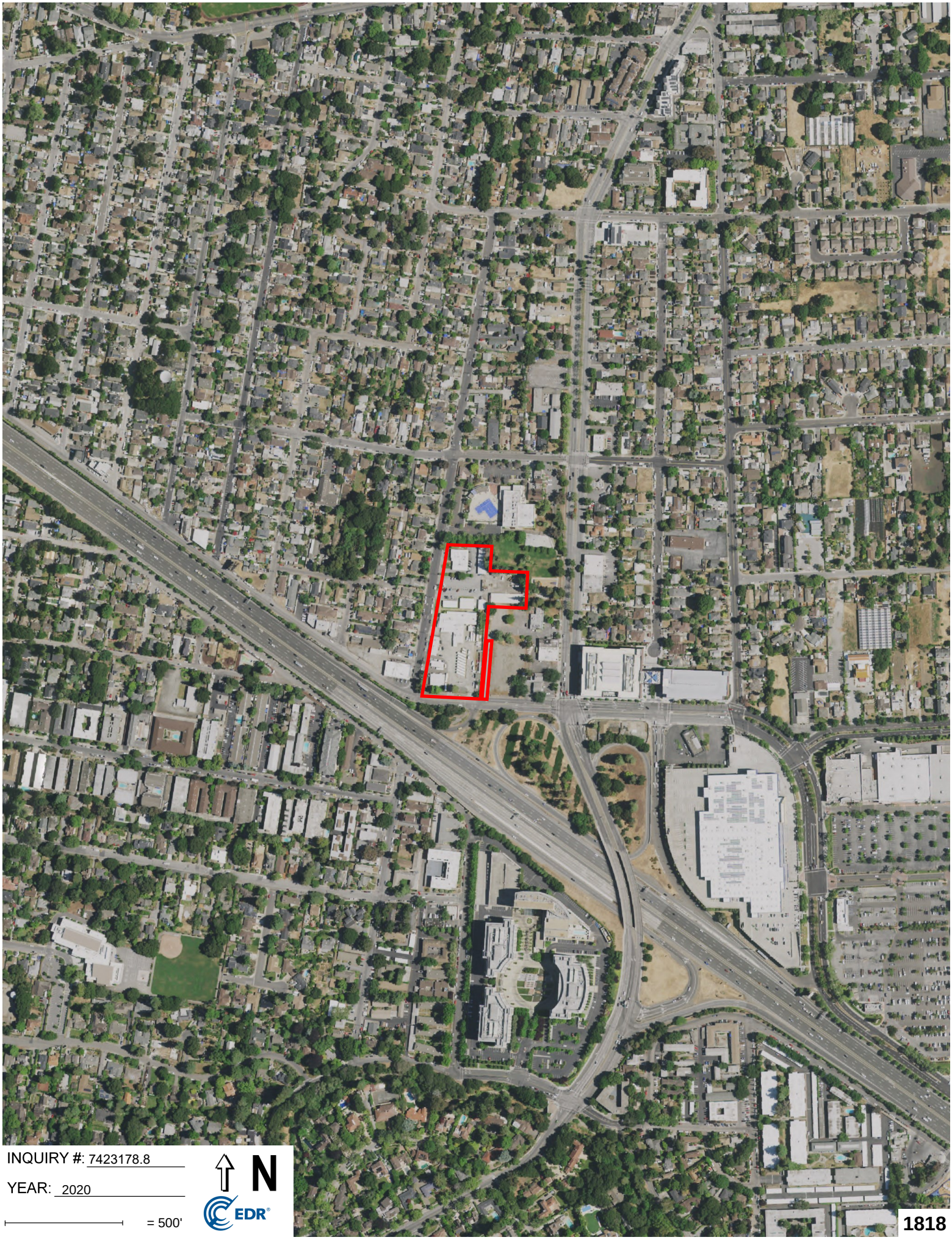
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YEAR: 2020
= 500'
N
EDR
1818

INQUIRY #: 7423178.8
YEAR: 2012
= 500'
N
EDR
1819

INQUIRY #: 7423178.8
YEAR: 2009
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EDR
1820

INQUIRY #: 7423178.8

YEAR: 2005

= 500'

N

EDR

1821

INQUIRY #: 7423178.8

YEAR: 1998

= 500'

N

EDR

1822

INQUIRY #: 7423178.8

YEAR: 1991

= 500'

N

EDR

1823

INQUIRY #: 7423178.8
YEAR: 1982
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N
EDR
1824

INQUIRY #: 7423178.8
YEAR: 1974
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EDR
1825

INQUIRY #: 7423178.8

YEAR: 1968

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EDR

1826

INQUIRY #: 7423178.8

YEAR: 1963

= 500'

N

EDR

1827

INQUIRY #: 7423178.8

YEAR: 1958

= 500'

N

EDR

1828

INQUIRY #: 7423178.8
YEAR: 1950
= 500'
N
EDR
1829

INQUIRY #: 7423178.8

YEAR: 1948

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 7423178.8

YEAR: 1943

= 500'

N

EDR

1831

INQUIRY #: 7423178.8
YEAR: 1939
= 500'
N
EDR
1832

DRAFT

APPENDIX E

ENVIRONMENTAL DATA RESOURCES, INC.

Sanborn Map Report

2160 Euclid Avenue

2160 Euclid Avenue

Palo Alto, CA 94303

Inquiry Number: 7423178.3

August 22, 2023

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/22/23

Site Name:

2160 Euclid Avenue
2160 Euclid Avenue
Palo Alto, CA 94303
EDR Inquiry # 7423178.3

Client Name:

Engeo Inc.
2010 Crow Canyon Place
San Ramon, CA 94583
Contact: Rian Montagh

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 21D6-4F21-87EC

PO # NA

Project East Palo Alto Euclid

Maps Provided:

1965
1954

Sanborn® Library search results

Certification #: 21D6-4F21-87EC

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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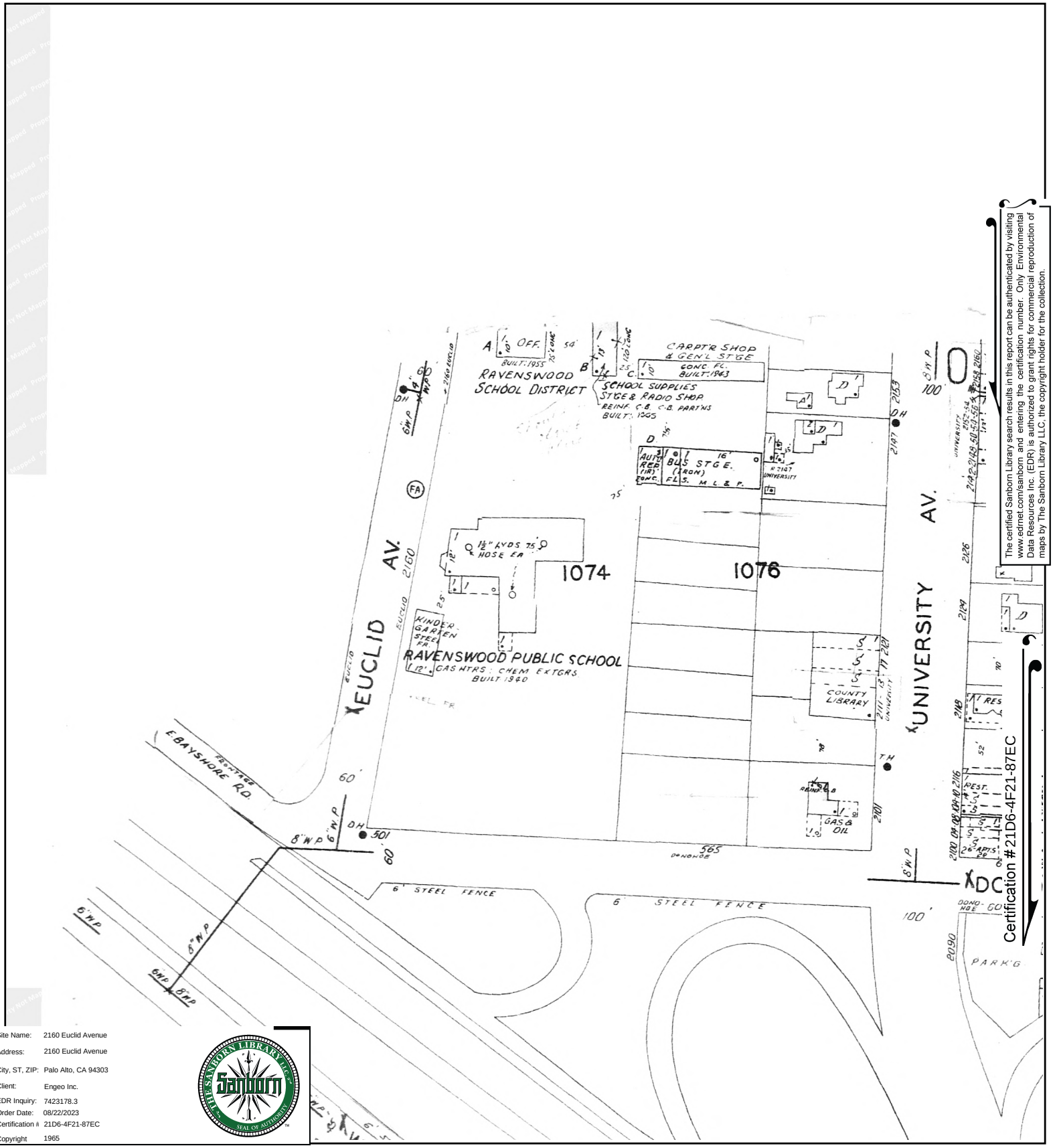
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1954 Source Sheets

Volume 1, Sheet 21
1954



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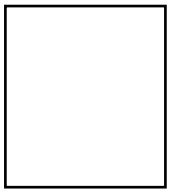
Certification #21D6-4F21-87EC

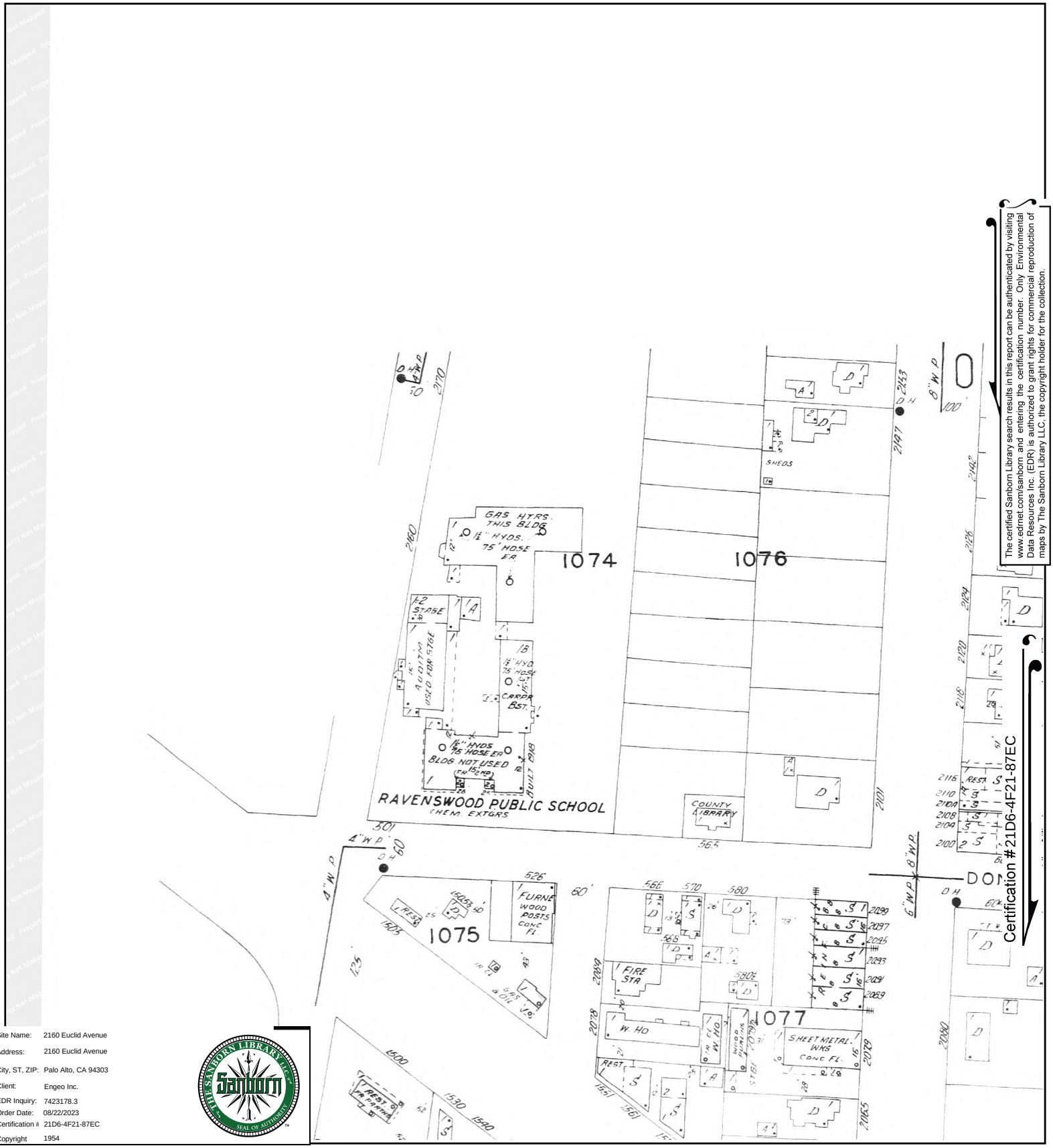
Site Name:	2160 Euclid Avenue
Address:	2160 Euclid Avenue
City, ST, ZIP:	Palo Alto, CA 94303
Client:	Engeo Inc.
EDR Inquiry:	7423178.3
Order Date:	08/22/2023
Certification #	21D6-4F21-87EC
Copyright	1965

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



N



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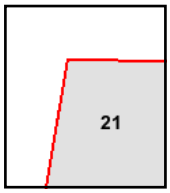
Site Name:	2160 Euclid Avenue
Address:	2160 Euclid Avenue
City, ST, ZIP:	Palo Alto, CA 94303
Client:	Engeo Inc.
EDR Inquiry:	7423178.3
Order Date:	08/22/2023
Certification #:	21D6-4F21-87EC
Copyright	1954

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 21



DRAFT

APPENDIX F

ENVIRONMENTAL DATA RESOURCES, INC.

City Directory

2160 Euclid Avenue
2160 Euclid Ave
Palo Alto, CA 94303

Inquiry Number: 7423178.5
August 24, 2023

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1992	☑	☑	Cole Information
1986	☑	☐	HAINES AND COMPANY
1981	☑	☐	HAINES AND COMPANY
1975	☑	☐	POLK DIRECTORY CO
1970	☑	☐	POLK DIRECTORY CO
1965	☑	☐	POLK DIRECTORY CO
1959	☑	☑	POLK DIRECTORY CO

FINDINGS

TARGET PROPERTY STREET

2160 Euclid Ave
Palo Alto, CA 94303

Year	*CD Image*	*Source*

EUCLID AVE

2020	pg A5	EDR Digital Archive
2017	pg A8	Cole Information
2014	pg A11	Cole Information
2010	pg A14	Cole Information
2005	pg A18	Cole Information
2000	pg A22	Cole Information
1995	pg A26	Cole Information
1992	pg A29	Cole Information
1986	pg A32	HAINES AND COMPANY
1981	pg A35	HAINES AND COMPANY
1975	pg A39	POLK DIRECTORY CO
1975	pg A40	POLK DIRECTORY CO
1970	pg A43	POLK DIRECTORY CO
1970	pg A44	POLK DIRECTORY CO
1965	pg A48	POLK DIRECTORY CO
1965	pg A49	POLK DIRECTORY CO
1959	pg A53	POLK DIRECTORY CO

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*

DONOHOE ST

2020	pg. A2	EDR Digital Archive
2017	pg. A6	Cole Information
2014	pg. A9	Cole Information
2010	pg. A12	Cole Information
2005	pg. A16	Cole Information
2000	pg. A20	Cole Information
1995	pg. A24	Cole Information
1992	pg. A27	Cole Information
1986	pg. A30	HAINES AND COMPANY
1986	pg. A31	HAINES AND COMPANY
1981	pg. A33	HAINES AND COMPANY
1981	pg. A34	HAINES AND COMPANY
1975	pg. A36	POLK DIRECTORY CO
1975	pg. A37	POLK DIRECTORY CO
1975	pg. A38	POLK DIRECTORY CO
1970	pg. A41	POLK DIRECTORY CO
1970	pg. A42	POLK DIRECTORY CO
1965	pg. A45	POLK DIRECTORY CO
1965	pg. A46	POLK DIRECTORY CO
1965	pg. A47	POLK DIRECTORY CO
1959	pg. A50	POLK DIRECTORY CO
1959	pg. A51	POLK DIRECTORY CO
1959	pg. A52	POLK DIRECTORY CO

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

DONOHOE ST 2020

119	EDWARD HOLLAND
120	LARA CARDAMONE
	RODERICK CARDAMONE
123	MICHAEL MINNIS
	MICHELLE MCDILL
127	HILLARY COYNE
134	BERNARDINO TORRES
	LURESE LEVOIR
	SUNSET TREE SVC & PEST CONTROL
135	JUAN GIRON
	MARIA GIRON
	SILVIA PLANCARTE
136	MARIA ARROYO
138	CAROL TAFUR
141	CHANDRA NICOLA
	CHANDRA PERMAUL
142	DORAL MILLER
	JAMES LIPARI
	WAMBOI LIPARI
201	JEFFREY BAKER
	SHAULA KUMAISHI
206	DEBORAH COX
	SHASHI KHATRI
	SONIA ANN KUILE
207	KUMAR CHAUDHARI
208	DEREK THURN
210	NATALIA VERKLER
222	DANA KATZ
	GIL KATZ
225	FRANCOISXAVIER BOURLET
226	OTELLO ASCANI
	TERI ASCANI
231	DICK WYCICH
	MAURA PALMER
242	HARVEY CAPLAN
250	BRANDON IKI
	GORDON IKI
	THERESA IKI
255	CHRISTOPHER WELLS
	ELIZABETH WELLS
	JAMES WELLS
	ROBERT WELLS
275	HEIDI SANEL
	NORA DANIE
278	ALISA BREWSTER
	ELENA BREWSTER
	KENT BREWSTER
	RYAN MANDEL
	VICTORIA BREWSTER
284	CHARLES FICHOU

DONOHOE ST 2020 (Cont'd)

308	STEPHANIE YUEN
310	BARRIE SKINNER
	COURT SKINNER
	LOREN SKINNER
312	BAHRAM BEYZAEI
	MOJDEH SHAMSAEI
314	ADAM PRICKETT
	JASON SHUM
	MAX EBER
319	LINDA HEADLEY
	LINDA HEDLEY
330	ST MARK'S MISSIONARY BAPT CHR
335	CATHERINE KAMBUGA
	FRANCIS MBUGUA
337	ANA PERALTA
	RAFAEL PERALTA
660	BAKARI SPENCER
	CHARLES JONES
	JONES MORTUARY INC
721	APOSTOLISTIC ASSEMBLY
	JOSE PRADO
	PATRICIA PRADO
755	ARCELA FIGUEROA
	THOMAS FIGUEROA
763	NANG NGUYEN
	VIETNAMESE BUDDHIST CHURCH
777	CARLINA DELEON
	CAROLINA BROWN
799	ALISI TUPA
	DUANE BAY
	PESA TUPA
801	DIONISIO TIPO
	EMELITA DE TIPO
	EMILY TIPO
	JOEL DELACRUZ
	JOHNNAR TIPO
	JOYLEEN CRUZ
829	SANDEEP GUPTA
	SUK LIM
	SUZANNE LIM
831	CYNTHIA KIM
	GREG KIM
833	ANDREW LIM
	JENN LIM
835	ARNULFO CARDONA
	ESTELA CARDONA
	FELICIA WOO
	MIMI WOO
837	BINH DIEP
	GEORGE KOLA

DONOHOE ST 2020 (Cont'd)

837	JUAN RONEBURG
839	MIGUEL PEREZ
841	ALVARO SANDOVAL
	EMELY SANDOVAL
	ROSANA SANDOVAL
845	THUVAN NGUYEN
860	ABHINI ZAINUDHEEN
	AL CLARK
	ARIF ABOOBACKER
	JEREMY CLARK
862	ELINA MORENO
	JOSE MORENO
864	JULIETA HALL
	NANCY HALL
	SRINIVAS DHANAM
	SUDHAMADHURI KUNTUR
866	JUERGEN WELTZ
	SELENA WELTZ
872	ALBERT BOAN
	ALBERT DOAN
	HIEU DOAN
	NGA PHAM
	THUAN DOAN
	TRUNG BOAN
877	BRIAN DOYLE
	DOYLE TEARSE-DOYLE
	RAUL FLORES
890	ESTEBAN BILLALOBOS
	FRANK GORDON
	MARIA OROZCO
	STEVEN OROSCO
893	ENYI CERVANTES
	GLORIA SALAS
	HENRY SALAS
895	JESUS GAMINO
	MARIADELAIUZ GAMINO
896	JOANNE WOO
	MIRNA GUEVARA
	R WOO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

EUCLID AVE 2020

2120	RAVENSWOOD CITY SCHOOL DIST
2121	CATHERINE KAMBUGA
	FRANCIS MBUGUA
2137	DAVID MATAELE
	ELIZABETH MATAELE
	SELU MATAELE
	SEMISI MATAELE
	TAVA MATAELE
	TAVA MATEELE
2139	JORGE PRADO
2145	SILVIA GUZMAN
2151	BRADFORD LIGHT
2160	FOUNDATION FOR A CLG EDUCATN
2161	ABRAHAM MILLS
	KIU MAAFU
	TAPESO MAAFU
2165	ELOISA VALENCIA
	LETICIA VELAZQUEZ
2173	ELISABETH MAGUNA
	FRANCISCO GARCIA
	FRANCISCO NAVA
	FRANCISCO SOTO
	FREDDY HERNANDEZ
	MARGARITA SOTO
2181	ANGEL REYES
	BRENDA REYES
	MARIA REYES
	RICARDO REYES
2190	ROSIE ELMORE

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2017

120	CARDAMONE, RODERICK J
123	MINNIS, MICHAEL G
127	COYNE, HILLARY R
134	SOCORRO, ROBLEDO
	TORRES, BERNARDINO G
135	GIRON, MARIA L
136	ARROYO, MARIA G
138	RANCHOD, MAHENDRA G
201	BAKER, JEFF P
206	SANCHEZ, ALEXANDER
207	CHAUDHARI, KUMAR K
220	POULSEN, ROBERT P
222	JOHNS, WILLIAM
224	GEIGER, MICHAEL
225	DORN TAX & BOOKKEEPING
	DORN, FREDERICK R
226	WARREN, JUSTIN
231	PALMER, WARREN G
242	HARRISON, NANCI W
250	IKI, GORDON
255	BOOTH, JAMES D
275	DANIE, KEVIN A
278	BREWSTER, KENT S
284	SANDVIG, CARY
310	SKINNER COURT
	SKINNER, LOREN C
314	ATHENS, NOAH
319	HEDLEY, ANDREA D
337	PERALTA, RAFAEL D
438	CHEN, YUE
	HERNANDEZ, JONATHAN
	MARTINEZ, JOSE C
	MARTINEZ, TERESA
	PAZ, MAYRA
625	VERA, HECTOR
660	JONES MORTUARY INC
721	APOSTOLISTIC ASSEMBLY
755	FIGUEROA, THOMAS E
763	VIETNAMESE BUDDHIST CHURCH
799	TUPA, PESA L
801	DELACRUZ, NOEL D
809	FLORES, GUSTAVO
829	HINTON, ANDREW M
833	LIM, ANDREW W
835	WOO, FELICIA V
837	SADANANDAM, SUSIL
839	KIMMKNS, MICHAEL
841	SANDOVAL, ALVARO
845	TRUONG, CHAU T
860	CLARK, ULYSEE

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2017 (Cont'd)

862	MORENO, JOSE P
864	HALL, JULIETA N
866	ALLEN, DONNIE B
872	PHAM, NGA T
877	ADEOFE, TOLULADE
	ASSAF, AMIT
	MORA, FLORENTINA
	TEARSE-DOYLE, BRIAN K
	VELASQUEZ, OTONIEL
893	SALAS, HENRY
895	GAMINO, MARIADELAIUZ
896	PENA, FLOR

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 2017

2016	GARCIA, ROSARIO
2020	MEAHAN, LEVI S
2025	CASTRO, JOHN R
	SREAD, JAMES
	TWEEDY, DARYL W
2028	RAMIREZ, LETICIA J
2030	GUTIERREZ, MONICA
2031	BECKUM, SANDRA
	HERNANDEZ, FELIX
	IRVIN, ROBERT B
	MATADAMAS, PERFECTO M
2032	LOPEZ, JORGE L
2036	MARTINEZ, MICHELLE
	PRATT, ANTHONY W
2040	GRIFFIN, DORA D
2042	FRANCO, ANA I
2044	RAMIREZ, ISRAEL
2054	AYALA, ROSA M
	GUEVARA, MARIA F
	JUDNICH, JOSHUA C
	TOLMAN, AMBERLE
2061	DUNCAN, LARRY
	GRINO, LUISA
	REGINO, GEORGE M
2120	WOODS, RUTH
2121	MORENO, BONIFACIO
2125	DIZENZO, FRANK R
2137	MATAELE, SEMISI V
2139	RUIZ, JOSE
2141	ZEPEDA, GENOVEVA
2145	GUZMAN, DAVID G
2160	FOUNDATION FOR A COLLEGE EDUCATION
	RAVENSWOOD CITY SCHOOL DISTRICT
2161	MAAFU, TAPESO P
2173	GARCIA, FRANCISCO S
2177	DELONG, ELIZABETH J
2181	REYES, RICARDO
2190	ELMORE, ROSIE M
2195	ALS, AARON
2201	ALS, VIVIANE J
2211	ENRIQUEZ, ELIDA
2215	CASTILLO, HERMINIA C
2216	ZHANG, YING
2221	BURCIAGA, EDELINA
2224	NAVA, JOSE V
2228	GRAHAM, WILLIE L
2231	MONTES, JOSE B
2235	CHAN, LINO M

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2014

119	HOLLAND, EDWARD W
120	CARDAMONE, RODERICK J
123	MINNIS, MICHAEL G
127	BYRNES, ANDREW G
134	BONILLA, MARTHA
	ROBLEDO, GERARDO M
	SANDOVAL, ANNA M
	SOCORRO, ROBLEDO
135	CASTRO, ARTURO
136	LEE, TARA
142	FAIRCLOUGH, A
	FRISBEE, RICHARD
	POINDEXTER, ROBERT
201	BAKER, JEFF P
206	MILLS, JANICE
210	COX, STEVEN E
220	KRAMER, MIRANDA J
222	SOLORZANO, MARIA D
224	MORGAN, LUCAS A
225	DORN TAX & BOOKKEEPING
	DORN, FREDERICK R
226	WARREN, JUSTIN
228	BENDER, JAMES S
231	WYCICH, DICK L
242	CAPLAN, SARAH
250	IKI, GORDON
255	WELLS, ROBERT E
275	DANIE, KEVIN A
278	BREWSTER, KENT S
284	SANDVIG, CARY
308	ETLER, TIM
310	SKINNER, COURT
312	BEYZAEI, BAHRAM
314	EIDSATH, JOEL M
319	HEADLEY, LINDA
337	PERALTA, RAFAEL D
438	FRANCO, WALTER
	ORTIZ, GABRIEL E
	PAUL, WILLIAM R
	PAZ, MAYRA
	WUTHRICH, PATRICIA
623	CASTILLO, VICTOR
625	VERA, HECTOR
630	BAYSHORE ANIMAL HOSPITAL
660	JONES MORTUARY INC
721	APOSTOLISTIC ASSEMBLY
755	BERRIOS, LUIS A
763	VIETNAMESE BUDDHIST CHURCH
799	TUPA, PESA L
801	TIPO, DIONISIO O

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2014 (Cont'd)

829	JENKINS, KENNETH N
831	AVILA, JOHN M
835	WOO, FELICIA V
837	DIEP, BINH A
841	SANDOVAL, ALVARO
845	TRUONG, CHAU T
860	CLARK, ULYSEE
862	MORENO, JOSE P
864	HALL, JULIETA N
872	PHAM, NGA T
877	AGUILAR, MARIA C
	FLORES, RAUL B
	MORA, FLORENTINA
	PENNER, KEVIN
	QUIRARTE, MIGUEL
	VELASQUEZ, OTONIEL
890	RUIZ, MARIA O
893	SALAS, HENRY
895	GAMINO, MARIADELAIUZ
896	PENA, EDGARDO

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 2014

2016	MARTINEZ, ALVARO
2025	CASTRO, JOHN R
	REBOLLAR, JESUS B
	ROSALES, M
2026	MENDOZA, MIGUEL
2028	RODRIGUEZ, VICTOR A
2030	REYES, VICTOR
2031	BECKUM, SANDRA
	HERNANDEZ, FELIX
	IRVIN, ROBERT B
	MATADAMAS, PERFECTO M
	PEREDA, KENIA
	SALAS, LAURA C
2032	LOPEZ, JORGE L
2036	PRATT, ANTHONY W
2040	CURRY, LAVETTE
2042	RITCHIE, JINX A
2044	GUTIEREZ, PATRICIA
	RAMIREZ, ISRAEL
2054	GUEVARA, MARIA F
	HERNANDEZ, TOMAS
2061	DUNCAN, LARRY
	ORTIZ, MARIA
	SAUNDERS, L
2101	FIFITA, TANIELA
2121	MORENO, ALICIA
2137	MATAELE, SELU N
2139	PRADO, JORGE
2141	ZEPEDA, GENOVEVA
2145	GUZMAN, DAVID G
2160	FOUNDATION FOR A COLLEGE EDUCATION
	RAVENSWOOD CITY SCHOOL DISTRICT
2161	MAAFU, TAPESO P
2165	VELAZQUEZ, CRISTINA
2173	PADILLA, GRACIELA
2181	REYES, RICARDO
2190	ELMORE, ROSIE M
2195	WHITE, MARVA A
2201	ALS, ELOYD A
2207	MATAMOROS, F E
2211	GUTIERREZ, ELISA G
2215	CASTILLO, HERMINIA C
2221	GUILLORY, JOSEPH B
2224	NAVA, JOSE V
2228	GRAHAM, WILLIE L
2231	MONTES, JOSE B
2232	ROBLES, JOAQUINA
2235	MOCK, HENRY

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2010

118	YU, JENNIFER N
119	HOLLAND, EDWARD W
120	CARDAMONE, RODERICK J
127	SHERWIN, BOBBY A
134	CASTILLO, ALEJANDRO O
	MILLAN, MARISELA
	SANDOVAL, ANNA
	SOCORRO, ROBLEDO
136	ARROYO, MARIA G
138	CATLETT, PAUL D
141	NICOLA, DARCY N
142	FAIRCLOUGH, A
	FRISBEE, RICHARD
	MBUGUE, LUCY
	NDEGWA, VERONICA N
	NJERI, MARGARET
201	BULKOWSKI, JULIA
206	MILLS, PATRICK R
218	WEGNER, DONNA M
220	LOPEZ, ALONZO M
222	LOPEZ, LISSET
224	DELANEY, RICHARD M
225	DORN TAX & BOOKKEEPING SVC
228	LAUGHTON, ALLYSON
231	WYCICH, DICK L
242	CAPLAN, SARAH
250	IKI, GORDON
255	WELLS, ROBERT E
275	DANIE, KEVIN A
278	BREWSTER, KENT S
284	SANDVIG, CARY
308	HERNANDEZ, TRINITAS
310	SKINNER, COURT
312	MORRIS, MARK W
314	MORRILL, MICHAEL E
319	HEDLEY, LINDA R
330	ST MARKS MISSIONARY BAPT
337	PERALTA, RAFAEL D
438	FRANCO, WALTER
	HERNANDEZ, PAULINA
	MANUATU, MAAMU
	MCCANTS, CAROLYN
	PARADA, JOSE
623	CASTILLO, VICTOR
625	VERA, HECTOR
630	BAYSHORE ANIMAL HOSPITAL
660	JONES MORTUARY INC
721	APOSTOLIC ASSEMBLYTHE FAITH
755	BERRIOS, LUIS A
763	VIETNAMESE BUDDHIST CHURCH

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2010 (Cont'd)

801	DELACRUZ, MARICEL D
809	MOCK, HENRY
829	NAH, CHANG M
831	AVILA, JOHN M
835	WOO, FELICIA V
837	DIEP, BINH A
839	PEREZ, MIGUEL G
841	SANDOVAL, ALVARO
845	TRUONG, CHAU T
860	CLARK, JEREMY R
862	MORENO, JOSE P
864	HALL, GRACE
872	DOAN, TRUNG M
877	AGUILAR, CARMEN M
	FLORES, RAUL B
	VELASQUEZ, OTONIEL
890	AQUINO, JAVIER
893	SALAS, HENRY

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 2010

2016	MARTINEZ, ALVARO
2024	ROYAL, STAN R
2025	CASTRO, JOHN R
2026	MENDOZA, MIGUEL
2028	RODRIGUEZ, VICTOR
2030	REYES, VICTOR
2031	GUTIERREZ, BESSY
	HERNANDEZ, FELIX
	IRVIN, ROBERT
	MORGAN, DENISE
	ROYAL, DEBORAH J
	SALAS, LAURA C
	SANDOVAL, ANA
2032	STEVENS, JENIFER
2036	PRATT, ANTHONY W
2040	NELSON, SARELLE
2044	FRANCO, HUGO M
	MAGANA, JUANA
2054	HERNANDEZ, TOMAS
	MELGAR, NOVI S
	PINTO, HECTOR A
	ROQUE, LUCAS
2061	ANAYA, RUBEN
	BACKWALL, CHRISTIAN
	DUNCAN, LARRY
	ISAIS, ANDREA
2101	MENDOZA, NOHEMI
2121	MORENO, BONIFACIO
2125	YAN, JOYCE C
2137	MATAELE, VUKI
2141	ADAMS, CAMBRIERA S
2145	GUZMAN, DAVID G
2151	POINDEXTER, JAMES W
2160	FOUNDATION FOR A COLLEGE EDCTN
	RAVENSWOOD CITY ESD
	RAVENSWOOD CITY SCHOOL DIST
2161	MAAFU, TAPESO P
2165	VELAZQUEZ, PEDRO V
2177	ALCAZAR, ARNOLDO V
2181	REYES, RICARDO
2195	ALS, EUSTAS A
2201	ALS, ELOYD A
2211	ROSAS, SABAS
2215	CASTILLO, HERMINIA C
2221	ALHISER, MARY
2224	NAVA, JOSE
2228	TEO, MERIENI
2230	RENDON, FERNANDO
2231	MONTES, JOSE B
2232	ROBLES, JOAQUINA

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 2010 (Cont'd)

2235 CHAN, LINO

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2005

118	YU, JENNIFER N
119	HOLLAND, EDWARD W
120	FERRARI, THOMAS
123	MCDILL, CHRISTOPHER
134	GERARDO, ROBLEDO
	GIRON, JUAN
	SUNSET TREE SERVICE
	VILLALON, MARIA A
135	MALAGA, ERICA
136	ARROYO, MARIA G
138	OCCUPANT UNKNOWN,
141	NICOLA, DARCY
142	CARTER, EVELYN
	KOINANGE, PETER M
	MBUGUE, LUCY
	NDEGWA, VERONICA
	NJERI, MARGARET
	PARKER, JULIE
201	CLAKSON, DANIEL W
206	MILLS, PATRICK R
207	WILLETT, BRIAN
218	WEGNER, DONNA M
222	LOPEZ, MANUEL A
224	OCCUPANT UNKNOWN,
225	DORN TAX AND BOOKKEEPING SERVICE
	DORN, FREDERICK R
228	HARPER, GEORGE F
231	PALMER GIRL GARDENING SERVICES
	WYCICH, DICK L
242	FONG, RUSSELL
244	OCCUPANT UNKNOWN,
250	IKI, GORDON
255	HAGEN, SHELLY
	LITTLE MUNCHKINS DAY CARE
275	DANIE, KEVIN A
278	KLAHR, JOSHUA A
	THE REAL MEE
284	SANDVIG, CARY
310	SKINNER, COURT
312	OCCUPANT UNKNOWN,
319	FERRIS, DONALD H
335	OCCUPANT UNKNOWN,
337	OCCUPANT UNKNOWN,
375	REECE, EULESLEY
438	MCCANTS, CAROLYN
623	CASTILLO, VICTOR
625	VERA, HECTOR
627	OCCUPANT UNKNOWN,
630	BAYSHORE ANIMAL HOSPITAL
633	VALENCIA, JOSE

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2005 (Cont'd)

635 COUNTRY TIME MEATS & FISH 2
SHOMAN MARKET
660 JONES MORTUARY INC
717 PARIVASH, JAMSHID
721 ESPINOSA, ARTHUR K
745 OCCUPANT UNKNOWN,
747 OCCUPANT UNKNOWN,
755 BERRIOS, LUIS A
763 GIAC MINH VIETNAMESE BUDDHIST CHURCH
NGUYEN, VAN N
777 DELEON, CARLINA S
799 TUPA, PESA L
801 TIPO, DIONISIO O
809 MOCK, HENRY
823 OCCUPANT UNKNOWN,
829 NAH, CHANG M
831 AVILA, MICHAEL
833 LIM, JOSEPH W
835 WOO, FELICIA V
839 PEREZ, MIGUEL G
841 SANDOVAL, ALVARO
SIRHED, BASSEM R
845 OCCUPANT UNKNOWN,
860 NUNES, PAUL J
862 BASTO, NICOLAS
864 OCCUPANT UNKNOWN,
872 DOAN, ALBERT N
877 CASTILLO, NAOMI
890 OCCUPANT UNKNOWN,
893 SALAS, HENRY
896 SHARPER, JOSEPH

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 2005

2016 DIAZ, JOSE
2018 REGALADO, JUANA
2020 OCCUPANT UNKNOWN,
2022 GALLARDO, CESAREO
2024 ROYAL, STAN
2025 CASTRO, JOHN R
ROGAN, MICHAEL O
2026 MALDONADO, AMADOR T
2028 JUAREZ, LETICIA R
2030 REYES, VICTOR
2031 BARQUIN, ROSSY
CHAVEZ, FIDENCIO
GARCIA, JESUS
HERNANDEZ, FELIX
LETICIA, MOJICA
2036 KIANI, FRED F
NOOSHABADI, MANIGEH A
2040 PEREZ, ERNESTO
2041 FIGEROUA, F
2042 REISINGER, ELIZABETH J
2044 OCCUPANT UNKNOWN,
2054 CANJURA, ANA G
MELGARS SPRAY FINISHING
RODRIGUEZ, JUAN F
2061 ARROYO, EDUARDO
BACKWALL, CHRISTIAN
CADE, BRANDIE
DUNCAN, LARRY
LIU, HSING J
PAHULA, UINITONI
PARADA, ROQUE
TAUFA, OLIVA
TAVAKE, PAUL
URIBE, ALFREDO
2101 AFUNGIA, UILIFELETI N
2121 MORENO, BONIFACIO
2137 MATAELE, VUKI
2139 BLANCAS, JESUS P
2141 VEA, TUPOU
2145 GUZMAN, DAVID G
2151 POINDEXTER, JAMES W
2160 POSTON, PAUL R
SAN MATEO COUNTY SUPTSCHOOLS
2161 OCCUPANT UNKNOWN,
2165 VALENCIA, ELOISA
2173 SOTO, FRANCISCO S
2177 ALCAZAR, ARNOLDO V
LUCINDAS HO LEANING
LUCINDAS HOUSE CLEANING
2181 REYES, RICARDO

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 2005 (Cont'd)

2185 GONZALEZ, RAIDEL O
2190 ELMORE, ROSIE M
2195 ALF, EDWARDO A
TRIPLE E CLEANING SERVICES
2201 ALS, ELOYD A
2207 RAMIREZ, YOLANDA
2211 ENRIQUEZ, ELIDA
2215 CARRANZA, BULMARO T
2216 OCCUPANT UNKNOWN,
2221 GUILLORY, JOSEPH B
2228 TAVUKI, JALE Q
2230 HOOPAI, DAVID
2231 MONTES, JOSE B
2232 CHATMAN, RUSSELL H
2235 CHAN, GARY M

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2000

118	YU, J
119	OCCUPANT UNKNOWN,
120	OCCUPANT UNKNOWN,
123	MINNIS, MICHAEL G
127	OCCUPANT UNKNOWN,
134	FAIA, S
135	BARTH, LORI
136	SANDOVAL, A
138	OCCUPANT UNKNOWN,
141	OCCUPANT UNKNOWN,
142	PARKER, JULIE
	SIMS, ALBERT
201	HICKS, BYRON A
206	MILLS, PATRICK R
210	COX, STEVEN E
218	WEGNER, DONNA
220	MACDONALD, JOHN
	POWERS, RICHARD P
222	ASCANI, AUGUST
224	OCCUPANT UNKNOWN,
225	DORN TAX & BOOKKEEPING SERVICE
	DORN, F R
228	MCDANIEL, JOAN A
231	PALMER, MAURA G
242	OCCUPANT UNKNOWN,
244	COUGHLIN, JOSEPH
250	IKI, GORDON
255	WALTER, JIM
275	DANIE, KEVIN
	SANEL, HEIDI
278	EISENHAUR, STEPHEN E
284	DEEDS, PAUL D
308	OCCUPANT UNKNOWN,
310	SKINNER, COURT
312	MORRIS, MARK
	STODDARD, ALAN C
330	SAINT MARKS MISSIONARY BAPTIST CHURCH
438	BERTRAND, WILLIAM D
	KNUIST, ROBERT B
	KRAMER, DAVID A
	SEIP, JOHANNA W
	THIER, ALEX
	VIZCARRA, LUIS
615	LAFAMILIA DISCOUNT
	OCCUPANT UNKNOWN,
623	OCCUPANT UNKNOWN,
625	VERA, HECTOR
627	OCCUPANT UNKNOWN,
630	BAYSHORE ANIMAL HOSPITAL
	KELLEY BILL DVM

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 2000 (Cont'd)

630 RIFFS BARBER SHOP
VO, T
631 OCCUPANT UNKNOWN,
633 VALENCIA, JOSE
635 COUNTRYTIME MEATS & FISH
SHOMAN MARKET
641 EL GALOPE TAQUERIA
645 ANGELAS BRIDAL
ANGELS BEAUTY SALON
JERNIGANS AUTO SALON
648 A 1 AUTO SERVICE
660 JONES MORTUARY INCORPORATED
686 THREE BROTHERS TACOS
721 APOSTOLIC ASSEMBLY OF THE FAITH IN CHRIST JESUS
ESPINOSA ARTHUR PSTR APSTLC ASMBLY OF THE FTH IN
747 ESPINOSA, PAUL
763 LEANH, HAI H
LEHAI, HOANG
NGUYEN, VAN
VIETNAMESE BUDDHIST CHURCH
777 DAYAN, JOAQUIN R
799 OCCUPANT UNKNOWN,
801 TALAGTAG, SONIA
TIPO, EMELITA
809 MOCK, HENRY
826 OCCUPANT UNKNOWN,
841 LERO, A
845 WRIGHT, DONALD
860 CLARK, J R
NUNES, PAUL
862 BACAB, LORENZO
BASTO, PEDRO P
FRIAS, EDWARDO
LEON, I C
MORENO, JOSE
PACHECO, ROGER
864 OCCUPANT UNKNOWN,
866 OCCUPANT UNKNOWN,
872 PHAM, NGA T
877 HERNANDEZ, JAIME C
890 OCCUPANT UNKNOWN,
893 CERVANTES, PABLO
SALAS, HENRY
TEJEDA, GLORIA
896 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 2000

2016 OCCUPANT UNKNOWN,
2018 OCCUPANT UNKNOWN,
2020 OCCUPANT UNKNOWN,
2024 OCCUPANT UNKNOWN,
2025 GARLEANU, NICOLAE B
SPACKMAN, MICHAEL
TALBOTT, JERON
2026 MALDONADO, AMADOR
2028 JUAREZ, LETICIA R
2030 OCCUPANT UNKNOWN,
2031 ALVARADO, JUAN
ORTEGA, G
PEREZ, SAUL
2032 OCCUPANT UNKNOWN,
2033 OCCUPANT UNKNOWN,
2036 KIANI, FRED
2040 MANRIQUEZ, ARACELI B
2041 FIGEROUA, F
2043 OCCUPANT UNKNOWN,
2044 OCCUPANT UNKNOWN,
2054 CANJURA, ANA G
2101 GARCIA, MICAELA
2125 OCCUPANT UNKNOWN,
2137 MARINICH, JOHN
2139 BARRIGA, MIGUEL
BLANCAS, JESUS
CRUZ, SARA
PRADO, A B
TRUJILLO, ROSALIO
2141 ADAMS, LILLIAN G
2145 MONTES, SILVIA
2151 POINDEXTER, JAMES W
2160 RAVENSWOOD CITY SCHOOL DISTRICT DISTRICT OFFICE
2161 ACCINELLIS CYCLE GOODIES
2173 SOTO, FRANCIS
2177 OCCUPANT UNKNOWN,
2181 REYES, RICARDO
2185 GONZALEZ, MIGUEL
TORRES, CELIA S
2190 WRIGHT, LILLIE D
2195 PATTERSON, CARLOS
2201 OCCUPANT UNKNOWN,
2207 MENDOZA, DOLORES
2211 AVALOS, R
2215 CARRANZA, BULMARO T
CASTILLO, H
CHAVEZ, CARLOS
2216 OCCUPANT UNKNOWN,
2221 GUILLORY, JOSEPH B
2224 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 2000 (Cont'd)

2228 TAVUKI, JALE Q
2230 EVANS, DAVID B
2231 MONTES, JOSE B
2232 CHAPMAN, ANNIE L
2235 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 1995

118	FERRARI, THOMAS
	RUBICAM, GEOFFRE D
	RUBIN, G D
	YU, J
120	OCCUPANT UNKNOWNN
123	MINNIS, MICHAEL G
127	GARCIA, MICHAEL
134	FAIA, S
135	WARREN, RICHARD H
136	OCCUPANT UNKNOWNN
138	OCCUPANT UNKNOWNN
141	OCCUPANT UNKNOWNN
142	CARTER, EVELYN
	EDWARDS, JAMES
	PARKER, JULIE
	VIRGILIO, ANGELO
201	OCCUPANT UNKNOWNN
206	MILLS, PATRICK R
207	TOWNSEND, SARAH
210	OCCUPANT UNKNOWNN
218	WEGNER, DONNA
220	FINE, KAREN
222	ASCANI, AUGUST
224	EASCANI, KATHY
225	DORN TAX & BOOKKEEPING SVC
	OCCUPANT UNKNOWNN
226	BENSON, LAURIE
	HENNISS, K
228	OCCUPANT UNKNOWNN
231	OCCUPANT UNKNOWNN
242	OCCUPANT UNKNOWNN
244	OCCUPANT UNKNOWNN
250	ELLENBY, GILLIAN S
255	OCCUPANT UNKNOWNN
275	DANIE, KEVIN
	SANEL, HEIDI
278	EISENHAUR, STEPHEN
284	OCCUPANT UNKNOWNN
308	FERRIS, LINDA P
310	OCCUPANT UNKNOWNN
312	AUSTIN, DUANE
	MACHUTA, THOMAS
319	WARREN, WILBUR H
330	MACK, MARIA M
	SAINT MARKS MISSIONARY BAPT
335	OCCUPANT UNKNOWNN
337	BONDI, ALLISON
375	HOLLAND, TOMMIE
	RITE WAY LAUNDERETTE
438	BLEIKER, CHARLES A

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 1995 (Cont'd)

438	HARTMAN, MATTHEW
	HOAG, J
	MECLOT, VIVANE J
	THOMAS, BRUCE D
623	GUZMAN, ANTONIO A
625	CAPISTRANO, SANTIAG
627	OCCUPANT UNKNOWNN
630	BAYSHORE ANIMAL HOSPITAL
	KELLEY, BILL
	PRETTY NAILS
633	VALENCIA, JOSE
635	COUNTRYTIME MEATS & FISH
	SHOMAN MARKET
645	ANGELAS BRIDAL
	JERNIGANS AUTO SALON
648	ECONO AUTO SHOP
660	JONES MORTUARY INC
686	THREE BROTHERS TACOS
721	APOSTOLIC ASSEMBLY OF FAITH
763	NGUYEN, VAN
	VIETNAMESE BUDDHIST CHURCH
777	DELEON, CARLINA
801	OCCUPANT UNKNOWNN
809	OCCUPANT UNKNOWNN
823	OCCUPANT UNKNOWNN
841	LERO, A
845	WRIGHT, DONALD
860	CLARK, J R
	NUNES, RICKY
862	BASTO, PEDRO P
	MORENO, CARLOS
864	MARRERO, RAUL R
866	WATTS, JAMES
872	OCCUPANT UNKNOWNN
890	GORDON, FRANK
893	TEJADA, GLORIA
895	OCCUPANT UNKNOWNN
896	ANSELL, MYRA

Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 1995

2016	OCCUPANT UNKNOWNN
2018	OCCUPANT UNKNOWNN
2022	OCCUPANT UNKNOWNN
2024	OCCUPANT UNKNOWNN
2025	NAVAR, A
2026	OCCUPANT UNKNOWNN
2028	OCCUPANT UNKNOWNN
2030	OCCUPANT UNKNOWNN
2031	BROOKS, DELORES V
2032	BURNETT, JULIA V
2036	BURCIAGA, ESTON
	KIANI, F
2040	OCCUPANT UNKNOWNN
2041	PALOMINO, ANGELIT
2043	ALLEN, DAVID M
2044	LOPEZ, RICHARD
2054	CANJURA, ANA G
	CHAVEZ, ERNESTO
	HURTADO, PAULA
	SALVADOR, M
2061	WONG, PEARL L
2125	FINEASI, SULIETI
2137	MARINICH, JOHN
2139	BLANCAS, PRADO A
	CRUZ, SARA
	PRADO, A B
2141	BANKS, LILLY
2145	GUZMAN, DAVID G
2151	POINDEXTER, JAMES W
2160	RAVENSWOOD CITY SCHOOL DIST
2161	ACCINELLIS CYCLE GOODIES
2165	OCCUPANT UNKNOWNN
2173	SOTO, FRANCIS
2177	PLANCARTE, MARIA
2181	REYES, RICARDO
2185	JIMENEZ, G
2190	WRIGHT, LILLIE D
2195	ALS, EUSTACE
2201	OCCUPANT UNKNOWNN
2207	OCCUPANT UNKNOWNN
2211	GUTIERREZ, ELISA G
2215	CHAVEZ, G
2216	OCCUPANT UNKNOWNN
2221	OCCUPANT UNKNOWNN
2228	OCCUPANT UNKNOWNN
2230	OCCUPANT UNKNOWNN
2231	MONTES, JOSE
2232	CHATMAN, RUSSELL H
2235	OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 1992

118	RUBIN, G D
	YU, J
127	DAY, DONALD
135	WARREN, RICHARD H
136	ORMENO, HAYDEE
142	PARKER, JULIE
201	ORTHEY, HELEN H
206	MILLS, PATRICK R
207	JAKUSOVSZKY, MARK
218	WEGNER, DONNA
220	DOYLE, CLAIRE F
222	ASCANI, AUGUST
225	DORN TAX&BKKPG SERV
	DORN, FRED
226	BENSON, LAURIE
	HENNISS, K
242	MERRITT, BEN
244	BRASS, KEN
250	LUNTZEL, DON
	MOORE, HERB
275	DANIE, KEVIN
	SANEL, HEIDI
310	SKINNER, BARRIE
312	AUSTIN, DUANE
	MACHUTA, THOMAS
330	REDEEMING TEMPLE
335	MAYLAN, MARY M
375	HOLLAND, TOMMIE
	RITE WAY LAUNDERTTE
438	GOODWYN, ROBERT D
623	GUZMAN, ANTONIO
625	AGUILAR, ANTONIO
	PEREZMARTINEZ, JORGE A
630	BAYSHORE ANML HOSP
	PRETTY NAILS
633	VALENCIA, JOSE
635	COUNTRYTIME MEATS
	SHOMAN MARKET
645	ANGELAS BRIDAL
	JERNIGANS AUTO SALN
660	JONES MORTUARY INC
686	THREE BROS TACOS
721	APOSTOLIC ASSEMBLY
	CASTILLO E B PASTR
745	CERVANTES, M
	COLIN, R
763	NGUYEN, VAN
	VIETNAMESE BDHST CH
801	ALVEREZ, VINCENT
809	MOCK, HENRY

Target Street	Cross Street	Source
-	✓	Cole Information

DONOHOE ST 1992 (Cont'd)

845	WRIGHT, DONALD
860	CLARK, J R
	NUNES, RICKY
862	MORENO, CARLOS
	WALKER, MYRTLE
866	WATTS, JAMES
872	DOAN, ALBERT N
890	GORDON, FRANK
893	SALAS, HENRY
895	DAIGLE, CLIFTON D
896	ANSELL, MYRA

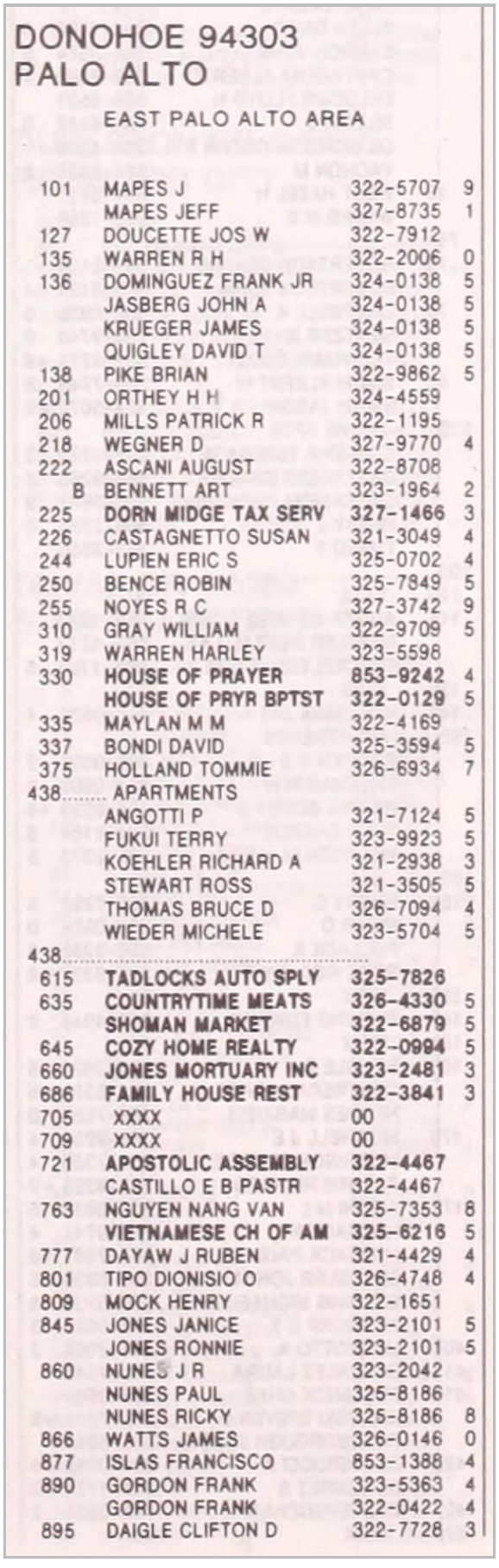
Target Street	Cross Street	Source
✓	-	Cole Information

EUCLID AVE 1992

2028	ARGANBRIGHT, WES
2036	ROMERO, JOSE M
2041	PALOMINO, A
2054	AGUILAR, RAMAS M
2061	WONG, PEARL L
2137	MARINICH, JOHN
2141	ADAMS, LILLIAN G
2151	POINDEXTER, JAMES W
2160	RAVENSWOOD SC ATTND
2161	ACCINELLIS CYCLE GD
2173	HAMILTON, C C
2181	REYES, RICARDO
2185	ABOYTES, ROGELIO
2190	OAKES, C
2195	ALS, EUSTACE

Target Street	Cross Street	Source
-	✓	HAINES AND COMPANY

DONOHOE ST 1986



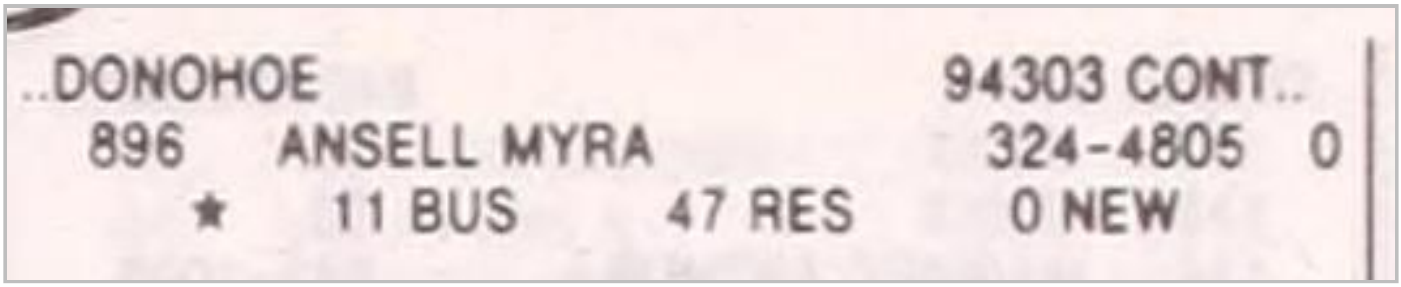
DONOHOE 94303
PALO ALTO

EAST PALO ALTO AREA

101	MAPES J	322-5707	9
	MAPES JEFF	327-8735	1
127	DOUCETTE JOS W	322-7912	
135	WARREN R H	322-2006	0
136	DOMINGUEZ FRANK JR	324-0138	5
	JASBERG JOHN A	324-0138	5
	KRUEGER JAMES	324-0138	5
	QUIGLEY DAVID T	324-0138	5
138	PIKE BRIAN	322-9862	5
201	ORTHEY H H	324-4559	
206	MILLS PATRICK R	322-1195	
218	WEGNER D	327-9770	4
222	ASCANI AUGUST	322-8708	
B	BENNETT ART	323-1964	2
225	**DORN MIDGE TAX SERV**	**327-1466**	3
226	CASTAGNETTO SUSAN	321-3049	4
244	LUPIEN ERIC S	325-0702	4
250	BENCE ROBIN	325-7849	5
255	NOYES R C	327-3742	9
310	GRAY WILLIAM	322-9709	5
319	WARREN HARLEY	323-5598	
330	**HOUSE OF PRAYER**	**853-9242**	4
	HOUSE OF PRYR BPTST	**322-0129**	5
335	MAYLAN M M	322-4169	
337	BONDI DAVID	325-3594	5
375	HOLLAND TOMMIE	326-6934	7
438	APARTMENTS		
	ANGOTTI P	321-7124	5
	FUKUI TERRY	323-9923	5
	KOEHLER RICHARD A	321-2938	3
	STEWART ROSS	321-3505	5
	THOMAS BRUCE D	326-7094	4
	WIEDER MICHELE	323-5704	5
438			
615	**TADLOCKS AUTO SPLY**	**325-7826**	
635	**COUNTRYTIME MEATS**	**326-4330**	5
	SHOMAN MARKET	**322-6879**	5
645	**COZY HOME REALTY**	**322-0994**	5
660	**JONES MORTUARY INC**	**323-2481**	3
686	**FAMILY HOUSE REST**	**322-3841**	3
705	XXXX	00	
709	XXXX	00	
721	**APOSTOLIC ASSEMBLY**	**322-4467**	
	CASTILLO E B PASTR	322-4467	
763	NGUYEN NANG VAN	325-7353	8
	VIETNAMESE CH OF AM	**325-6216**	5
777	DAYAW J RUBEN	321-4429	4
801	TIPO DIONISIO O	326-4748	4
809	MOCK HENRY	322-1651	
845	JONES JANICE	323-2101	5
	JONES RONNIE	323-2101	5
860	NUNES J R	323-2042	
	NUNES PAUL	325-8186	
	NUNES RICKY	325-8186	8
866	WATTS JAMES	326-0146	0
877	ISLAS FRANCISCO	853-1388	4
890	GORDON FRANK	323-5363	4
	GORDON FRANK	322-0422	4
895	DAIGLE CLIFTON D	322-7728	3

Target Street	Cross Street	Source
-	✓	HAINES AND COMPANY

DONOHOE ST 1986



Target Street	Cross Street	Source
✓	-	HAINES AND COMPANY

EUCLID AVE 1986

2026	FARJAS PATRICK	323-7604	2
2031	BROWN JOHN W	328-2098	3
	FERGUSON ALICE	321-2316	5
	HUDSON BEVERLY	322-6482	5
2032	GILBRAITH EVELYN B	325-6832	
2036	JONKER MICHAEL J	326-3225	3
	NORMAN AUSTIN	327-3956	1
2043	KUBIK KIM	328-9908	4
2044A	BRALEY MARK S	323-2590	4
2053	WARD REBECCA	322-9054	5
2054	SU VAN	326-8678	5
2061	WONG PEARL L	323-2561	5
2120	EAST PA SENIOR CTR	322-6809	1
2137	MARINICH JOHN	326-3654	
2141	ADAMS LILLIAN G	322-5433	
2160	E S A A PRJ SC K 8	323-9411	2
	RAVENSWOOD SC ADM	323-9411	1
2161	ACCINELLIS CYCLE GD	322-7916	
2173	HAMILTON CLARENCE	325-5489	
2190	OAKES CARMALEIT MRS	327-2220	3
2207	DUENAS ANICETO	324-0254	9
2215	SAFFELL DAVID	329-1782	5
	SAFFELL DAWN	329-1782	5
2216	FRAER W W	323-4725	
2228	ALLEN B L	322-5849	5
2231	MORRISON ODELL	323-5610	
2238	BATES LUCIOUS	324-9231	0
2241	DEDNER BOB	329-8260	9
2245	AUGMON GEO	325-1078	5
	LOPEZ CATALINA	326-3214	3

Target Street	Cross Street	Source
-	✓	HAINES AND COMPANY

DONOHOE ST 1981

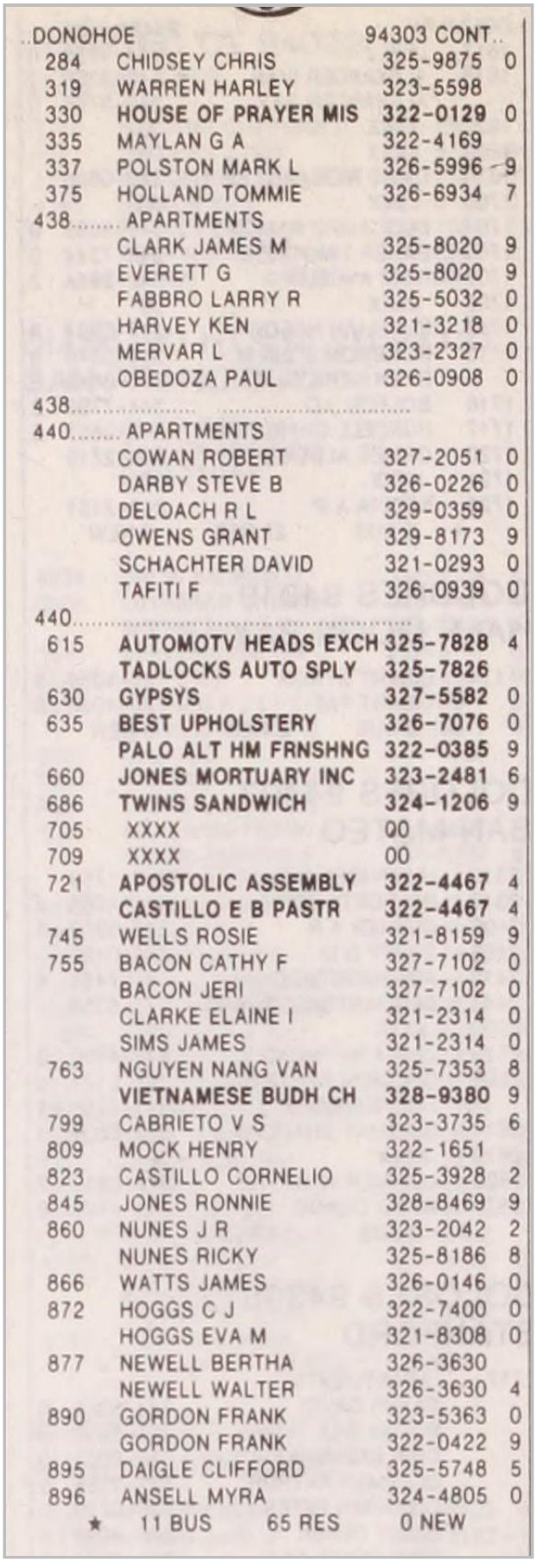
DONOHOE 94303
PALO ALTO

EAST PALO ALTO AREA

101	MAPES J	322-5707	9
	ROSEN L E	327-8735	0
118	HACKETT LENA MAE	321-8419	0
123	SIERRA ROLF	322-0770	5
127	DOUCETTE JOS W	322-7912	
134	DUNCAN MARIE	323-3609	2
	WISZTORT ANTHONY	323-3609	2
135	WARREN R H	322-2006	0
136	VUONG QUE	327-5227	0
138	WARREN ANTONIA C	323-3075	0
201	ORTHEY H H	324-4559	
206	MILLS PATRICK R	322-1195	4
207	MARSHALL DAVID	321-5462	0
218	CLARK AROL S	328-5495	0
	ROOKE JAMES D	328-5495	0
222	ASCANI AUGUST	322-8708	
	ETCHEMENDY JOHN	328-8819	0
224	FODDY MARJORIE E	321-3049	0
225	MCMAKEN HARRY	326-5478	0
242	JONES D H	324-2462	0
244	HESSELGRAVE M	328-3579	8
250	LUNTZEL DONALD W	323-0853	
	PETERSON BEN	321-0492	0
255	NOYES R C	327-3742	9
275	DIESTEL R	325-2794	0

Target Street	Cross Street	Source
-	✓	HAINES AND COMPANY

DONOHOE ST 1981



..DONOHOE 94303 CONT..

284	CHIDSEY CHRIS	325-9875	0
319	WARREN HARLEY	323-5598	
330	**HOUSE OF PRAYER MIS**	**322-0129**	0
335	MAYLAN G A	322-4169	
337	POLSTON MARK L	326-5996	9
375	HOLLAND TOMMIE	326-6934	7
438	APARTMENTS		
	CLARK JAMES M	325-8020	9
	EVERETT G	325-8020	9
	FABBRO LARRY R	325-5032	0
	HARVEY KEN	321-3218	0
	MERVAR L	323-2327	0
	OBEDOZA PAUL	326-0908	0
438			
440	APARTMENTS		
	COWAN ROBERT	327-2051	0
	DARBY STEVE B	326-0226	0
	DELOACH R L	329-0359	0
	OWENS GRANT	329-8173	9
	SCHACHTER DAVID	321-0293	0
	TAFITI F	326-0939	0
440			
615	**AUTOMOTV HEADS EXCH**	**325-7828**	4
	TADLOCKS AUTO SPLY	**325-7826**	
630	**GYPSYS**	**327-5582**	0
635	**BEST UPHOLSTERY**	**326-7076**	0
	PALO ALT HM FRNSHNG	**322-0385**	9
660	**JONES MORTUARY INC**	**323-2481**	6
686	**TWINS SANDWICH**	**324-1206**	9
705	XXXX	00	
709	XXXX	00	
721	**APOSTOLIC ASSEMBLY**	**322-4467**	4
	CASTILLO E B PASTR	**322-4467**	4
745	WELLS ROSIE	321-8159	9
755	BACON CATHY F	327-7102	0
	BACON JERI	327-7102	0
	CLARKE ELAINE I	321-2314	0
	SIMS JAMES	321-2314	0
763	NGUYEN NANG VAN	325-7353	8
	VIETNAMESE BUDH CH	**328-9380**	9
799	CABRIETO V S	323-3735	6
809	MOCK HENRY	322-1651	
823	CASTILLO CORNELIO	325-3928	2
845	JONES RONNIE	328-8469	9
860	NUNES J R	323-2042	2
	NUNES RICKY	325-8186	8
866	WATTS JAMES	326-0146	0
872	HOGGS C J	322-7400	0
	HOGGS EVA M	321-8308	0
877	NEWELL BERTHA	326-3630	
	NEWELL WALTER	326-3630	4
890	GORDON FRANK	323-5363	0
	GORDON FRANK	322-0422	9
895	DAIGLE CLIFFORD	325-5748	5
896	ANSELL MYRA	324-4805	0

★ 11 BUS 65 RES 0 NEW

Target Street	Cross Street	Source
✓	-	HAINES AND COMPANY

EUCLID AVE 1981

2026	WALLACE AMY	323-1629	9
2028	MOORE PATRICK	325-6810	9
2031	LAPLACE BOB K	321-8523	0
2032	GILBRAITH EVELYN B	325-6832	5
2036	LEHMANN TOM	321-8643	0
2043	EARLE JIM	321-4809	0
	JOHNSON STEWART	321-6631	0
	KIRK CATHY	321-4809	0
2044	HERRIFORD WAYNE	321-0365	9
	JANES Y	328-5745	0
	REICHENECHKER JIM	321-0952	0
2054	APARTMENTS		
	ABOULGASEM A	327-0240	0
7	AYALEW F	327-8613	9
	HELLMUTH JEFF	321-6735	0
6	MASSOUD HISHAM Z	327-0386	8
	MCBRIDE R E	321-1127	0
2054			
2061	APARTMENTS		
	BRANDT DAVID	323-3751	0
	BUTTERFIELD S	329-1614	0
	LOW DAVID	321-8758	0
	ROSSSO ADRIANO	325-7784	0
	WONG PEARL L	323-2561	
2061			
2101	JULIAN SHEILA	321-4715	0
2120	**E PALO ALOT SR CNTR**	**322-6809**	0
	SC RVNSWD CIRRICLM	**325-1668**	9
	SC RVNSWD DIRECTR	**324-0053**	9
	SC RVNSWD NURSE	**324-0055**	9
	SC RVNSWD PAC	**322-4252**	9
	SC RVNSWD PRNT LSN	**324-0054**	9
2137	MARINICH JOHN	326-3654	
2141	ADAMS LILLIAN G	322-5433	
2160	**E S A A PROJECT SCH**	**323-9411**	6
	SC RVNSWD SUPT OFC	**323-9411**	9
2161	ACCINELLI JOHN	322-7916	2
2173	HAMILTON CLARENCE C	325-5489	
	HAMILTON L A	327-0100	0
2207	DUENAS ANICETO	324-0254	9
2215	SAFFELL DAVID	329-1782	8
2216	FRAER W W	323-4725	
2231	MORRISON ODELL	323-5610	6
2238	BATES LUCIOUS	324-9231	0
2241	DEDNER BOB	329-8260	9
2242	HIDALGO OSCAR M	323-5242	2
2245	GARNER KEITH R	326-7189	0
	WATTS JAMES	327-9430	5
2246	WILLIAMS CARL E	326-8408	9
2248	**OPALS RANCHO MANOR**	**322-0418**	4
	TUPPER JOHN	327-8648	0

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1975

DONOHOE ST (EAST PALO ALTO)
FROM MENALTO AV EAST 4 NORTH
OF SAN FRANCISQUITO CREEK

ZIP CODE 94303
101 Vieira Deniz A 322-5605
118 Vacant
118b Tchelistcheff Victor bldg designer & contractor 326-4321
119★Piper V
123 Sierra Rolf ◎ 322-0770
127 Doucette Joseph W ◎ 322-7912
134 Duncan Marie Mrs 323-3609
Rear Faia Salvadore ◎
135★Alvarado Carlos A
136★Behr Thos P 328-5326
138★Winden Richd
141 Gruver Mildred Mrs 325-7734
142 Anderson Carl E ◎
RALMAR AV INTERSECTS
201 Orthey Helen H Mrs ◎ 324-4559
206★Mills Patk
207★Bratman Michl E
218 Girardin Mark 323-2880
220 Krisfalusy Steven 322-6316
222 Ascani Aug 322-8708
224a Creative Ear jewelry business 323-2631
Mc Andrew James E 323-2631
224b★Mac Donald John D 325-0628
225 Kephart Pauline B ◎ 322-0942
231★Brubaker K W 325-4988
242★Stapleton Geo
244★Cantwell Francis P
250 Luntzel Donald W ◎ 323-0853
255 Williams Megan C ◎ 322-4908
275 Giblin James L ◎ 326-7323
278 Haarala Hjalmer ◎ 323-6280
284 Turner David R 323-5038
OAKWOOD DR STARTS
310 Yessne Peter 325-2646
319 Warren Harley U ◎ 323-5598
330 House Of Prayer Missionary Baptist Church
335 Maylan Gordon A ◎ 322-4169
337★Grasswell Terry
375 Vacant
375a Vacant
DUMBARTON AV INTERSECTS
LINCOLN AV INTERSECTS
404 Dos Robles Apartments
(FOR RESIDENTS SEE 395 O'KEEFE ST (EPA)
438 Apartments

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1975

DONOHOE ST (EPA)—Contd
1 Vacant
2★Peck Patricia A 323-6713
3★Kincaid Viola
4 Poole Abigail A Mrs 323-3795
5★Valois Winston
6 Obedoza Paul
440 Mark Thomas Apartments
1★Nugent Gerald
2★Pearce C A
3★Rivers Carroll
4★Tashima M
5★Kulmarr N Kadaja
6 Livingston James D 326-7065
7★Ray Luis
8★Hages Robt
9★Hayashi K
10★Howland P
11 Takahashi Michl M 323-7885
12★Gilbertson C S
13 Vacant
14 Vacant
15 Serna Dolores A 325-7194
16★Adams T
17★Leslie Kathryn L 326-4047
18★Tobias Sylvia
19★Grosse Eric
20★White J
21★Mahan S
22★Deshay Odis
23★Joyce C
24★Kane S
25★Daniels W
26★West Deborah
27 Landrum Henrietta
28★Awana Mary A
29★Landrum Sharon
30 Wilson Clara
31★Lui Alan
BAYSHORE RD INTERSECTS
UNIVERSITY AV INTERSECTS
607 Donohoe Cleaners And Laundry 322-6943
615 Professional Window Cleaning
Tadlock Geo A
Tadlock's Auto Supply auto accessories & sups 325-7826
623 Vacant
625★Avilar Luis
627★Lopez Eleaterio
629★Miranda Jose 322-9412
630 Sam's Steak House restr 326-6954
631★Vargas Pascual 322-2573
633 Madigal David 325-8225
635 Nairobi College 323-8501
640 Vacant
645 Conley's Nairobi Paint Center 322-1107
648 Johnson's Texaco Service 328-9950
CAPITOL AV INTERSECTS
686 Big D's Drive In 328-9942

19

COOLEY AV INTERSECTS
717 Phillips Odessa ◎ 322-2031
721 Asamblea Apostolica De La Fe En Cristo Jesus church 322-4467
745 Marshall Mary Jean ◎ 325-5439
747 Castillo Elias B 324-1443
755 Esquillo Adriano L ◎ 324-1826
763 Vacant
777 Mc Allister Ruth A ◎ 322-0633
799★Cabrieto Bienvenido S 323-3735

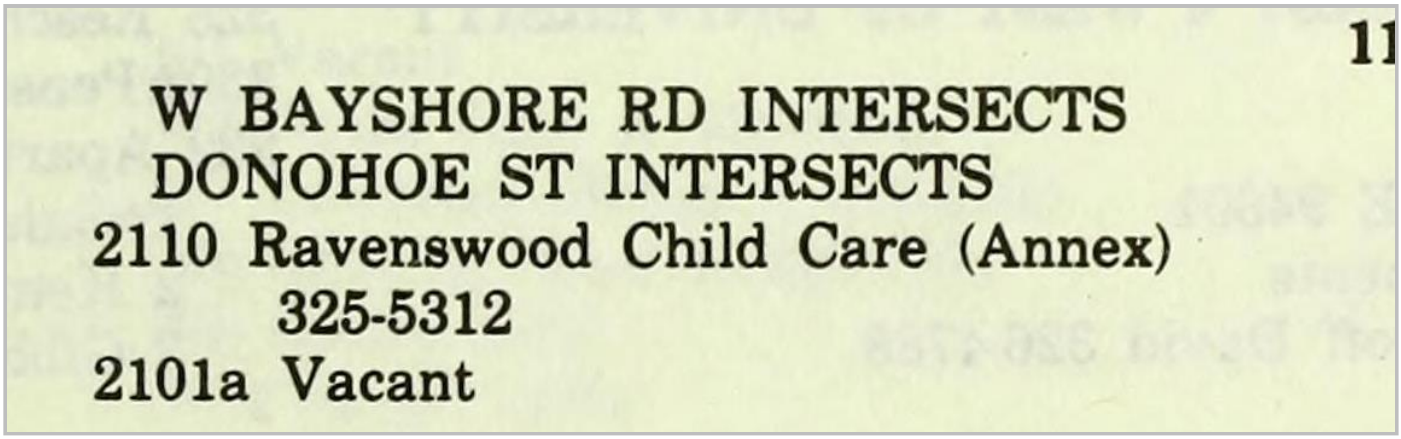
Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1975

801 Tipo Dionisio 323-2068
809 Mock Lin Mrs ◎ 322-1651
823 Castillo Cornelio B ◎ 325-3928
841 Maguad Silvestre C ◎ 323-1066
845 Brennan Edw
860 Lunes Joyce ◎ 323-2042
870 Vacant
877 Newell Walter ◎ 326-3630
890 Gordon Frank ◎ 322-0422
895 Daigle Clifton ◎ 325-5748
896 Ansell Myra 324-4805
CLARKE AV INTERSECTS

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

EUCLID AVE 1975



11

W BAYSHORE RD INTERSECTS
DONOHOE ST INTERSECTS
2110 Ravenswood Child Care (Annex)
325-5312
2101a Vacant

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

EUCLID AVE 1975

EUCLID AV (EPA)—Contd
2101b Vacant
2101c Vacant
2120 Ravenswood School Dist (Admn Annex) 323-9411
2121 Steffensen Rose Mrs
2137 Marinich John ◎ 326-3654
★Bowen John
2139 Small Susan ◎
2141 Adams James ◎ 322-5433
2145 Pavlik Shawnee ◎ 322-5895
2151 Poindexter James W ◎ 323-0860
2160 Ravenswood City School Dist (Administration Ofc) 323-9411
2161 Accinelli Michl ◎ 322-7916
2165 Accinelli Luigi
2173 Hamilton Clarence ◎ 325-5489
EUCLID PL INTERSECTS
2177 Buljan Igor ◎ 325-6312
2181 Call E ◎ 323-1525
2185★Fuller Ronald
2190 Wright Lillie ◎
2195 King Leotta Mrs

15

BELL ST INTERSECTS
2201 White Marva ◎
2207★Parker Marvin
2211 Alexander Johnson ◎ 324-0817
2215 Williams Sonya ◎ 328-6935
2216 Fraer Allen ◎ 323-4725
2221 Guillory Joe
2224 Self James H ◎
2231★Morrison Odell F ◎
2232 Kirk Charlotte R ◎
2234★Daniels James A Rev ◎ 322-4974
2235 Chan Lino

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1970

11

DONOHOE ST (EAST PALO ALTO)
FROM MENALTO AV EAST 4 NORTH
OF SAN FRANCISQUITO CREEK

ZIP CODE 94303
101 Vierra Deniz A ◎ 322-5605
118 Pisa Frank ◎ 325-4314
119 No Return
123 Cox Charles D ◎ 323-3739
127 Doucette Joseph W ◎ 322-7912
134 Faia Theodore 325-3031
Rear Faia Salvadore ◎
135 Lovern Joy
141 Gruver Norman H 325-7734
142 Anderson Carl E ◎
RALMAR AV INTERSECTS
201 Orthey Helen H Mrs 324-4559
206 Moraga Charles R 322-1195
207 Schiveickert Richd A 323-5457
218 Steck Ronald L 325-6964
220 Hogan Allen
222 Ascani Aug 322-8708
224 Rieve Harold 327-0595
224a Rieve Richd A 322-1538
225 No Return
231 Hilton Ray M
242 Jones Barry W 323-4513
244 Mc Knite Don 325-4048
250 Luntzel Donald W ◎ 323-0853
255 Bond Edw J ◎ 323-2049
275 Giblin James L ◎ 326-7323
278 Marcus Leonard C ◎ 322-0758
284 Wisztort Anthony S 322-3609
OAKWOOD DR STARTS
310 Lessard John E ◎ 322-1494
319 Warren Harley U ◎ 323-5598
330 Northern California Lutheran Bible Camp 322-2683
Our Savior's Lutheran Church 325-0325
335 Maylan Trucking 322-4169
Maylan Gordon A ◎ 322-4169
375a James Richd W ◎
375b No Return
DUMBARTON AV INTERSECTS
LINCOLN AV INTERSECTS
404 Dos Robles Apartments
1 Graham J S
2 Hacker Irma Mrs 323-3319
3 Williamson Margt G 325-5219
4 Sullivan Donald S 322-5147
5 Wyeth D
6 Crothers F
7 Colpitts Robt W 324-1409
8 Hansow Gilmore F
9 Shelby E IV
10 Frost Steph 322-9771
11 Smith Glen A 322-2616
12 Nephew J
14 Foster David
15 Crippen C
16 Meehan Thos P 322-7071
17 Winkler Bob 323-0910
18 Hepler Archie
19 Smith John B 325-2448
20 Benedict Reva
21 Vaughn Glenn
22 Hagler Sylvia 324 1115
23 Downing J
24 Mayne John
25 Walt C J
26 Omo F J
27 Gosselin Marcelle 325-3927
28 Short O R
29 Butler Cornelius F 325-2741
30 Lawrence Marie
31 Schulz S
32 Mc Namara Laura 322-3608
33 Gamboa Gilbert 324-0812
34 No Return
35 Sreloff C G
36 Hutchinson B
37 Bobb Marion M Mrs 324-0135
38 Sherlin Frank L 325-8190
39 Thoman W C
40 White Norm
41 Raida Bea 323-5064
42 Williamson Gordon
43 Harig P E 323-9810
44 Ko Ming K 323-6498
45 Popp L
46 Wilson Betty J 323-4435
47 No Return
48 Dowell L
49 Frerichs James R
50 Ziege Terry
51 Heintzelman M
52 No Return
53 Rockwood C R
54 Shorrock Richd 325-2943
55 No Return
56 Mancuso R
57 Honeychurlh N
58 Villalon J
59 Head Ollie 324-0486
60 Worth M J
61 Hartzell J
STREET CONTINUED
438 Apartments
1 Broughton Lillian 325-0910
2 Wooldridge A L
3 Salmon Hugh F
4 Poole Abigail A Mrs 323-3795
5 Kaufhold Hilda
6 Obedoza Paul
STREET CONTINUED
440 Mark Thomas Apartments 323-0805
1 Eichner Martin 322-6992
2 Buckley Howard T 323-4376
3 Prodfit Ted
4 Ritchie Dana 322-8704
5 Amezcua A
6 Smith Kathy 323-3973
7 Lesnieski Alexandria 323-5297
8 Adelman Lannie
9 Biggs Melissa 322-6979
10 Holmes Margot A 322-8620
11 Morrison Phillip III 322-5982
12 Winslow Margt C
13 Huber Ulrich 325-6539
14 Reis Fred S 324-3044
15 Leftwich Linda R 323-7384
16 Fauber Don E 322-6400
17 Boo E M Jr 322-1711
18 Mac Kenzie Jeanie 323-1528
19 Liput Sharon
20 Decker Cath 322-0834
21 Knight Margt A 322-7421
22 Herman James L
23 Brown Wm 322-6721
24 Hobson Sue A 325-7403
25 French James 322-8742
26 Evarts Russell C 323-0739
27 No Return
28 Checchi R
29 Reddick Warren
30 No Return
BAYSHORE RD INTERSECTS
UNIVERSITY AV INTERSECTS
607 Donohoe Cleaners And Laundry 322-6943
615 Professional Window Cleaning
Tadlock Geo A
Tadlock's Auto Supply auto accessories & sups 325-7826

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1970

DONOHOE ST (EPA)—Contd
623 Bane Anceo
625 No Return
627 No Return
629 Vargas Felix A
630 Sam's Steak House restr 326-6954
631 Morales Francis
633 No Return
635 Bi-Rite Market 322-2101
640 Vacant
645 U R S Data Sciences Co 322-6205
648 Gatewood S & Sons Texaco Service 325-0125

CAPITOL AV INTERSECTS

660 Jay's Richfield Service 325-8919
Jay's Towing Service
686 Dairy Belle Freeze 325-5111

13

COOLEY AV INTERSECTS

705 Calabrese Ronald 325-2656
709 Goldberg Robt H 323-4979
713 Keller Michl R 323-5786
717 Phillips Odessa ◎
721 Iglesia Apostolica De La Fe En Cristo Jesus church
745 Marshall Mary Jean ◎ 325-5439
747 Reyes Prisciliano
755 Esquillo Adriano L ◎ 324-1826
763 Robinson Elaine Mrs
777 Mc Allister Ruth A ◎ 322-0633
799 Soriano Alex M ◎ 323-5792
801 Klaustermeyer C F Mrs 322-2410
809 Mock Liny Mrs ◎ 322-1651
823 Galono Demetrio ◎ 325-3928
840 Ravenswood Parents Nursery Sch 323-1040
841 Maguad Silvestre C ◎ 323-1066
845 Branner Edw ◎ 322-4821
860 Hayden Eva M ◎ 322-8817
877 Newell Walter ◎ 326-3630
890 Gorden Frank D ◎ 322-0658
895 Daigle Clifton ◎ 325-8724
896 Ansell Myra 324-4805

CLARKE AV INTERSECTS

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

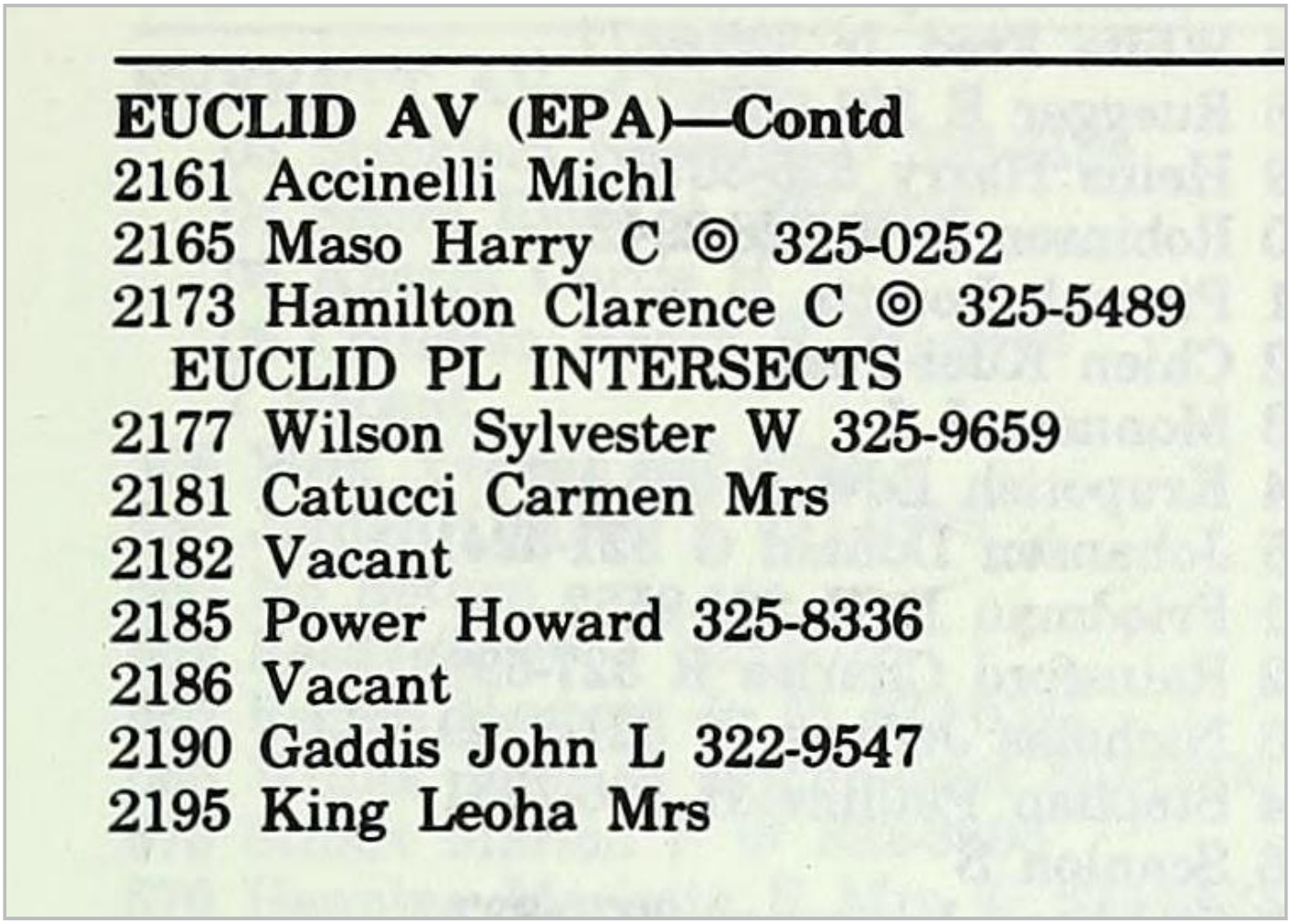
EUCLID AVE 1970

DONOHOE ST INTERSECTS

2110 Ravenswood Child Care 324-4307
2101a No Return
2101b No Return
2101c Vacant
2120 Ravenswood Annex
2121 Steffensen Rose Mrs
2135 No Return
2137 Marinich John ◎ 326-3654
Perich Louis J 323-0665
2139 Herndon Wm H ◎ 323-5968
2141 Adams James ◎ 322-5433
2145 Paulik Shawnee ◎ 322-5895
2151 Poindexter James W ◎ 323-0860
2160 Ravenswood City School Dist
(Administration Ofc) 323-9411

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

EUCLID AVE 1970



EUCLID AV (EPA)—Contd
2161 Accinelli Michl
2165 Maso Harry C ◎ 325-0252
2173 Hamilton Clarence C ◎ 325-5489
EUCLID PL INTERSECTS
2177 Wilson Sylvester W 325-9659
2181 Catucci Carmen Mrs
2182 Vacant
2185 Power Howard 325-8336
2186 Vacant
2190 Gaddis John L 322-9547
2195 King Leoha Mrs

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1965

DONOHOE ST (EPA)-FROM MENALTO AV
EAST 4 NORTH OF SAN
FRANCISQUITO CREEK

118 PISA FRANK • 325-4314
123 KUENSTLER E A 325-5206
127 DOUCETTE JOSEPH W • 322-7912
134 STANGL WILHELMINA MRS •
323-3481
REAR FATA SALVADORE •
135 MARIANCHENKO VIC 325-5540
141 VACANT
142 ANDERSON CARL E • 322-5261

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1965

DONOHOE ST (EPA)--CONTD
---RALMAR AV INTERSECTS
201 PEALSEE HARRY A
206 STELLMAN MARIE M MRS 322-9612
207 COTA HENRY P ●
220 ASCANI AUGUST ● 323-8708
222 HANCKE KURT 325-1733
224 MAGAGNINI TONY 325-8449
225 ARCURI JULIUS C ● 325-1219
231 VACANT
242 JONES BARRY W 323-4513
250 VACANT
255 LAWSON MERLIN T ● 322-4745
258 VACANT
---ADDISON AV INTERSECTS
275 GIBLIN JAMES L 326-7323
278 HAARALA HJALMER E ● 324-1054
284 WIRZTORT ANTHONY S 322-3609
---OAKWOOD DR INTERSECTS
310 LESSARD JOHN E ● 322-1494
319 WARREN HARLEY U ● 323-5598
330 OUR SAVIOR'S LUTHERAN CHURCH 325-0325
335 MAYLAN GORDON A TRUCKING ● 322-4169
337 DECKER PAUL A 326-0926
REAR MAYLAN GORDON G
375 JAMES RICHD W 322-2795
---DUMBARTON AV INTERSECTS
404 DOS ROBLES APARTMENTS 325-5114
1 VACANT
2 TAYLOR L ROBT
3 WILLIAMSON G MARGT
4 MICELI JOSEPH A
5 EASTBURN GLORIA 322-4336
6 NONES HARRY 321-0747
7 COLPITTS ROBT W 324-1409
8 HOUCK JOHN W
9 CAMPBELL SUSAN F 322-8797
10 UNGER ARTH E 322-6114
11 VACANT
12 DE LEON J C 321-8075
14 NO RETURN
15 GIANELLA FAITH
16 CRAWFORD M JEAN 324-0298
17 HAIMSON JAKE 322-7271
18 BUDZIKIEWICZ H 323-5904
19 LIRA SAM
20 TOWNSEND BOB
21 WEBSTER GEO K 322-8732
22 DENNIS ARNETT S 325-0873
23 SORENSEN JENNY
24 NORTH M JACK
25 MULLER PETER 324-7297
26 OBEDOZA PAUL
27 BRETT PATRICIA E
28 LEWIS WM S 325-6479
29 ZELHART ANN
30 BERRY GENE A 322-2216
31 SHEPPARD GORDON O DA5-7740
32 GAMBOA GILBERT 324-0812
33 CLINARD W FRANK JR 325-2456
34 ALBERS W JEROME
35 BLOOD R JOEL
36 ANDERSEN JAMES JR 325-5449
37 NO RETURN
38 NO RETURN
39 BERNTSEN THEO J 325-1259
40 NO RETURN
41 REDFORD DAVID Y 324-1830
42 CITEK VALERIE V 325-3125
43 VON GROSSE VICTOR 322-7341
44 PORTER GEO E
45 FULLERTON RICHD F 321-7549
46 WEIDIG FRITZ C 323-2814
47 HORNE THOS J 323-7860
48 RADOS DAVID L 323-6590
49 HUEGI ERIKA 325-6659
50 CHELINE EDW J
51 DEERING LOUISE
52 GRIFFIN JOAN
53 BEAN FRANK R 325-7956
54 JURADO JOSE
55 GRAHAM HUGH D 322-0253
56 ANDERSON ROBT F 323-0103
57 WAGENHALS S P 324-3560
58 WELLS A PHYLLIS
59 ALLEN DONALD
60 MUIR WM
61 HECHT CYNTHIA 325-4146
STREET CONTINUED
438 APARTMENTS
1 NO RETURN
2 NO RETURN
3 VACANT
4 VACANT
5 VACANT
STREET CONTINUED
440 MARK THOMAS APARTMENTS 323-0805
1 NO RETURN
2 HERSHBERG TED 323-1959
3 NO RETURN
4 LINBECK W
5-8 NO RETURN
9 WILLIAMS DAVID C 322-8355
10-12 NO RETURN
13 HUBER U 325-6539
14 NO RETURN
15 NO RETURN
16 VACANT
17-21 NO RETURN
22 HERMAN JAMES L
23 NO RETURN
24 NO RETURN
25 NO RETURN
26 LANING PETER H 325-0677
27 MORROW THOS B
28 NO RETURN
29 COCHRAN CAROL 324-4044
30 VACANT
---BAYSHORE RD INTERSECTS
---EUCLID AV INTERSECTS
---MANHATTAN AV INTERSECTS
---UNIVERSITY AV INTERSECTS
604 VACANT
607 VACANT
615 VACANT
623 ESPINOZA GEO
625 TRAVAGLIO CECILIA J 325-3350
627 NO RETURN
629 NO RETURN
630 SAM'S STEAK HOUSE RESTR 326-6954
631 NO RETURN

DON'T GUESS ... CALL US

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1965

DONOHOE ST (EPA)--CONTD

633 NO RETURN
635 ROYAL SUPER MARKET GRO
325-5345
640 BLUETT & CHRISTIANS GENL
CONTRS 324-2124
CHRISTIANS H CHARLES 324-2124
645 TADLOCK'S AUTO SUPPLY AUTO
ACCESSORIES & SUPS 321-5560
---CAPITOL AV INTERSECTS
648 FRANK'S TEXACO SERVICE GAS
STA 323-3533
660 MEL'S RICHFIELD SERVICE GAS
STA 322-8824
686 DAIRY BELLE FREEZE RESTR
325-5111

13

---COOLEY INTERSECTS
705 IVERSON LORETTA W 323-2293
709 VACANT
713 RADO THOS A 323-2620
717 ORR ROBT E REV 322-2027
721 IGLESIA APOSTOLICA DE LA FE
EN CRISTO JESUS CHURCH
745 ZIEGLER WM L • 325-0370
747 KELLER JAMES F • 326-6619
755 ESQUILLO ADRIANO • 324-1826
763 RUIZ TONY L • 326-8948
777 FARRELL RAYMOND C • 324-3778
799 BALDERAS ALFONSO • 321-5437
801 KLAUSTERMEYER AMELIA MRS •
809 MOCK LIN MRS • 322-1651
823 GALONO DEMETRIO • 325-3928
840 SEQUOIA UNION HIGH SCH DIST
(ADULT EDUC FACILITY)
841 MAGUAD SILVESTRE C • 323-1066
845 SILVERIA RAYMOND M • 323-7692
860 BRADY EDW T • 322-5523
873 VACANT
877 NEWELL WALTER • 326-3630
890 DE GUARA PAUL • 325-3135
895 SCOTT FRANK • 324-0817
896 VACANT
---CLARKE AV INTERSECTS

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

EUCLID AVE 1965

2054 APARTMENTS
1 PETERSON MELVYN L
2 TURNER GEO A
3 WISE SUZANNE MRS
4 HELLMAN PHILIP
5 MAITLAND RONALD 321-7718
6 KNIGHT N L
7 VACANT
8 BITTNER GEO D 325-5369
STREET CONTINUED
2061 APARTMENTS
1 WONG ALBERT K • 323-2561
2 MATHESON JACK
3 GORDON KAREN 325-1246
4 YOUNG R A
5 NO RETURN
6 NO RETURN
STREET CONTINUED
---W BAYSHORE RD INTERSECTS
---DONOHOE INTERSECTS
2101A NO RETURN
2101B SAUVAGEAU PHIL C DA4-3631

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

EUCLID AVE 1965

EUCLID AV (EPA)--CONTD
2101C VACANT
2120 RAVENSWOOD SCHOOL 325-4428
2121 STEFFENSEN ROSE MRS ●
323-6885
2135 VAUGHT MILBURN J 325-4859
2137 MARINICH JOHN ● 326-3654
2139 MANATT R J
2141 HENDERSON DOLORES MRS
322-3385
2145 FLYNN DENNIS ● 324-1925
---GREEN INTERSECTS
2151 SURBER CHARLES
2160 RAVENSWOOD SCHOOL DIST
(ADMINISTRATION OFFICE)
324-1621
2161 VACANT
2165 ACCINELLI LUIGI M ●
2173 PRINCE GAITHER O ● 324-0413
---EUCLID PL INTERSECTS
2177 VACANT
2181 APPLEBY ROBT T 322-2542
2182 KNUDSEN KNUD S 323-0869
2185 MORGAN DONALD L 325-6335
2186 PERITORE SAML ● 323-2384
2190 MADRIGAL ANSELMO ● 324-0174

15

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1959

DONOHOE (E Palo Alto)—From Menalto av east, 4 north of San Francisquito Creek

101 Lopez Tony M ◎
△DA2-9002
118 Pisa Frank ◎
△DA5-4314
119 Berg & Freeling genl contrs △DA2-5087
Berg Robt W ◎
△DA2-5087
123 Brewer Jas R ◎
127 Doucette Jos W ◎
△DA2-7912
134 Stangl Wilhelmina Mrs ◎
△DA3-3481
rear Faia Salvadore
135 Murga Armando
△DA6-1725
141 Hensley Luther C ◎
△DA3-0854
142 Oberacker Herman L ◎
△DA3-3473

Ralmar av intersects

201 Brockmer Paul O jr ◎
△DA6-7336
206 Seslar's Home rest home
△DA4-3151
Seslar Jas R △DA4-3151
207 Cota Henry P ◎
222 Donnini Fred △DA5-8219
224 Caeti Jas A △DA2-1433
225 Arcuri Julius C ◎
△DA2-9149

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1959

228 Lawrence Jeanne
ΔDA6-5822
Moran Abel ΔDA5-0726
231 Vanthuyne Mary L Mrs ◎
ΔDA2-2501
242 Fujimoto Katsuyki K ◎
ΔDA3-0546
250 Heiple Wm L ΔDA5-6515
255 Lawson Merlin T ◎
ΔDA2-5308
258 Stockett Wm B
Addison av intersects
275 Gablin Jas L
ΔDA6-7353
278 Haarala Hjalmer E ◎
ΔDA4-1054
Oakwood dr intersects
310 Lessard John E ◎
ΔDA2-1494
319 Warren Harley U ◎
ΔDA3-5598
330 Our Savior's Luth Ch
335 Maylan Gordon A trucking ◎ ΔDA2-4169
337 Welte Robt F
ΔDA2-9421
360 Wright Geo O ΔDA
ΔDA1-4930
375 James Richd W
ΔDA2-2795
Dumbarton av intersects
404 **Dos Robles Apartments**
ΔDA1-4144
1 Poole Herman
2 McCormick James E
3 Schmidt B W
4 Glauminger Walter
5 Dew Pew Russell
6 Nunez Gloria
7 Hoyt Harold
8 Fields Earl F ΔDA1-4144
9 Richardson Howard L
10 Jones Robt
11 Vacant
12 Mallinckrodt Ellen L
14 Spivack Lee G
15 Hendrickson Art
16 Porges Meyer
17 Haimson Jake
18 Abbott Frances
19 Peterson Robt A
20 Vacant
21 Hartfield Edw D
22 Feinstein Amiel
23 Hews Carman F
24 Dunningham John J
25 Vacant
26 Erickson Fred W
27 Howe Brian I
28 Lewis Wm
29 Schmidt Noel J
30 Vacant
31 Sheppard Gordon O
32 Hushower James
33 Vinson Ray W
34 Putini Al
35 Blum Burt W
36 Vacant
37 Baird H Kay
38 Smith James R

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

DONOHOE ST 1959

DONOHOE (E Palo Alto)— Contd
404 Dos Robles Apts—Contd
39 Cornelison Mary
40 Swallow Laura
41 Trumbull Elden Mrs
42 Blanchard Robt M
43 Vacant
44 Huffman Glen
45 Dixon Arno
46 Preiss Jack
47 French Rol
48 Haehl John
49 Provorse Rod
50 Sutherland Jo
51 Picard Geo A
53 Nelson Alyse
54 Wilkie Wm A
55 Heneg Evelyn R
56 Schroeder Robt E
57 Nelson Stephen D
58 Bell Dorothy M
59 Schroeder Karl M jr
60 Lawlor Frances Mrs
61 Adams Sharon

Street continued

Bayshore hwy intersects
Euclid av intersects
Manhattan av intersects

565 County Free Library

University av intersects

604 Carr Raymond C acct
ΔDA4-4317
Sloan Lloyd G real est
ΔDA2-6107
Winston Don Agcy ins
ΔDA6-3400
607 Custom Color Laby
ΔDA1-2172
611-19 Community Hdw
ΔDA2-6840
623 Vacant
625 Leetch Kenneth E
627 Vacant
629 Vacant
630 Meland's restr
ΔDA6-6954
631 Hahn Jacob L ΔDA5-2978
633 Doss Eug
635 Royal Super Mkt gro
ΔDA5-5345
Vern's Meats ΔDA5-5345
645 Tadlock Auto Sup
ΔDA1-5560

Capitol av intersects

648 Dick's Texaco Serv
ΔDA6-3017

13

Cooley intersects

705 Karolcik Michl ◎
ΔDA3-4618
709 Wright Kenneth B
ΔDA1-3936
713 Johsnon Gordon L
ΔDA6-5630
717 Altieri Robt ◎
721 Elkin Wm C
ΔDA1-1186
745 Ziegler Wm L ◎
ΔDA5-0370
747 Keller Jas F ΔDA6-6619
755 Esquillo Adriano ◎
ΔDA4-1826
763 Ruiz Tony L ◎
ΔDA6-8948
777 Farrell Raymond C ◎
ΔDA4-3778
799 Calaor Santiago E ◎
ΔDA3-0607
801 Klaustermeyer Amelia M Mrs ΔDA2-2410
803 Bailey Arnold G ◎
ΔDA3-2423
804 Patterson Chas E ◎
ΔDA2-1601
809 Mock Yee Wo ◎ ΔD
ΔDA2-1651
823 Correia Alf ◎
830 Cline Alvin F
ΔDA6-5739
832 Strong Edith A Mrs
ΔDA6-4693
840 Santos Fernando
ΔDA6-4847
841 Roval Cesar J ◎
845 Marchetti Secondo ◎
ΔDA5-1244
850 Vacant
860 Murphy Helen Mrs ◎
ΔDA2-6255
873 Willis Danl W ◎
ΔDA5-7078
877 McFadden Albert C ◎
ΔDA5-8089
890 Deguara Paul
ΔDA5-3135
895 Owensby Chas J ◎
ΔDA6-0754
896 Campau Barney A
ΔDA5-8785

Clarke av intersects

8

DOWNING LANE—From Forest av east, 1 northeast of Waverley

17

DREW COURT (E Palo Alto) From 2800 Illinois west

2871 Skatrud Elwood L ◎
ΔDA5-5933
2875 Lee Ralph L ◎
ΔDA5-7246
2879 Malone Hazel E Mrs ◎
ΔDA5-5821

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

EUCLID AVE 1959

2061 Ruggles Jacob R
△DA6-8823

Bay Shore rd intersects
Donohoe intersects

2101a McKee Kath B
2101b Sauvageau Phil C
2101c Vacant
2121 Jedlicka Otto R ◎
△DA3-6885
2135 Dietz Carl R
2137 Timaeus Eug C
△DA5-7162
2139 Raynal Emilie ◎
△DA3-2341
2141 Kreger Leona M
△DA2-8933
2145 Flynn Dennis ◎
△DA4-1925

Green intersects

2151 Chrisman Chester H ◎
2160 Ravenswood City
Elementary Sch (Dist
Ofc) △DA4-1621
2165 Accinelli Luigi M ◎

Euclid pl intersects

2181 Barker Ronald B
△DA5-6003
2182 Knudsen Knud S
△DA3-0869
2186 Peritore Saml ◎
2190 Madrigal Anselmo ◎
△DA4-0174

15

Bell intersects

2201 Lesh Lee J ◎
△DA3-5920
2207 Duran John H ◎
△DA4-3003
2211 Burns Robt E ◎
△DA2-8314
2215 Powden Chas A ◎
△DA3-9244

DRAFT

APPENDIX G

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRES (2)

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
FOR CLIENT

To evaluate the potential for possible environmentally related impacts and site contamination the following information is requested. This questionnaire is to be completed by the user of the phase one environmental site assessment, or their authorized representative.

PART I

1. Property address and Assessor's Parcel Number (APN):

   2120-2160 Euclid Avenue

2. Current property owner (name, address, voice/fax number):

   Ravenswood City School District
   2120-2160 Euclid Avenue
   650-329-2800

3. Date current property owner assumed title of property:

   around 1950

4. Current property development/improvements:

   The site is currently used as the headquarters/offices of the Ravenswood City School District. There is also a bus depot with two underground fuel tanks for the buses.

5. Past property use, development/improvements:

   Ravenswood School District Office

6. Neighboring property uses:

   single family homes to the east. Park and open land to the west. YMCA facility to the north. 101 freeway to the south.

PART II

		Yes	No	N/A
1.	Are you aware of any environmental cleanup liens against the *property* that are filed under federal, tribal, local or state law?	☐	☑	
2.	Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state or local law?	☐	☑	
3.	Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the *property* or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	☐	☑	
4.	If a property transaction is occurring in conjunction with this environmental assessment, does the purchase price of this *property* reasonably reflect the fair market value of the *property*?	☑	☐	☑
5.	If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property?*	☐	☐	☑
6.	Are you aware of any commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, (a) do you know of specific chemicals that are present or once were present at the *property*? (b) do you know of spills or other chemical releases that have taken place at the *property*? (c) do you know of any environmental cleanups that have taken place at the *property*?	☐	☑	
7.	Based on your knowledge and experience related to the *property* are there any obvious indicators that point to the presence or likely presence of contamination at the *property*?	☐	☑	

If a "Yes" response was provided to any of the above questions, please provide details below:

I certify that the information herein is true and correct to the best of my knowledge as of the date signed below.

Name (Printed/Typed): Mike Allen

Signature: Michael A Allen Date: 8/25/23

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
FOR KEY SITE MANAGER

To evaluate the potential for possible environmentally related impacts and site contamination the following information is requested. This questionnaire is to be preferably completed by the current property owner, or owner representative, leasing agent, or other person having good knowledge of the uses and physical characteristics of the property (Key Site Manager).

PART I

1. Property Address/Location and Assessor's Parcel Number (APN):

   2120-2160 Euclid Avenue

2. Current property owner (name, address, voice/fax number):

   Ravenswood City School District
   2120-2160 Euclid Avenue
   650-329-2800

3. Date current property owner assumed title of property:

   ~1950(?)

4. Current property development/improvements:

   NA

5. Past property use, development/improvements:

   Ravenswood School District Office

6. Neighboring property uses:

   Park / planned Sobrato Development

PART II - The following questions should be answered to the best of your knowledge.

1.	Is/has the *property* or any adjoining property used/been used for industrial purposes?	☐ Yes	☑ No
2.	Has the *property* or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	☐ Yes	☑ No
3.	Are there currently, or have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal in volume or 50 gal in the aggregate, stored on or used at the *property* or at the facility?	☐ Yes	☑ No
4.	Has undocumented soil been brought onto the property at any time? If yes, estimated quantity is _____ cubic yards.	☐ Yes	☑ No
5.	Has soil been brought onto the property that originated from a contaminated site or that is of an unknown origin?	☐ Yes	☑ No
6.	Are there currently, or have there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	☐ Yes	☑ No
7.	Is there currently, or has there been previously, any stained soil on the *property*?	☐ Yes	☑ No
8.	Are there currently, or have there been previously, any registered or unregistered storage tanks (above or underground) located on the *property*?	☑ Yes	☐ No
9.	Are there currently, or have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?	☐ Yes	☑ No
10.	Are there currently, or have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	☐ Yes	☑ No
11.	Are there any domestic, irrigation or monitoring wells on the property?	☐ Yes	☑ No
12.	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	☐ Yes	☑ No
13.	Have you been informed of the past or current existence of *hazardous substances* or *petroleum products* or environmental violations with respect to the *property* or any facility located on the *property*?	☐ Yes	☑ No
14.	Have there been any *environmental site assessments* of the *property* or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the *property*?	☐ Yes	☑ No
15.	Have there been any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any *hazardous substance* or *petroleum products* involving the *property*?	☐ Yes	☑ No
16.	Has there been any past agricultural use of the *property*, such as orchards or seed crop cultivation?	☑ Yes	☐ No
17.	Have any *hazardous substances* or *petroleum products*, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the *property*?	☐ Yes	☑ No
18.	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	☐ Yes	☑ No

If a "Yes" response was provided to any of the above questions, please provide details below:

We operate a refueling station for school buses and police cars and, as part of that, we operate a registered underground refueling tank.

Well before my time - and before the site was developed - I have heard rumors that the site was an orchard of some kind.

I certify that the information herein is true and correct to the best of my knowledge as of the date signed below.

Name (Printed/Typed): William Eger

Signature: _____ Date: 8/24/23

DRAFT

APPENDIX H

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

SHAWN MUNGER, CHG
Principal

EDUCATION
BS Geology University of California, Davis 1985

EXPERIENCE
Years with ENGEO: 36

REGISTRATIONS & CERTIFICATIONS
Certified Hydrogeologist, CA 413

Professional Geologist, CA 5810

HAZWOPER 40 Hour Training, CA 100830513934

HAZWOPER 8 Hour Training, CA 180720576014

SPECIALIZATIONS
- Environmental Assessments and Remediation
- Environmental Restoration
- Water Quality Studies
- Water Wells/Hydrogeology

Since 1985, Shawn has been managing groundwater supply evaluations, hydrogeologic studies, chemical assessments, Phase I and II Site Assessments, UST site investigations, risk-based corrective action (RBCA), VOC remediation, and agricultural impact evaluations. He serves as Principal-in-Charge or Project Manager with extensive expertise in environmental and hazardous materials projects involving groundwater, hydrology, contaminant fate and transport, and complex remediation programs. A renowned expert in his field, Shawn has successfully solved many difficult environmental challenges to achieve desired project outcomes.

SELECT PROJECT EXPERIENCE

Heritage Fields, Great Park Neighborhoods—Irvine, CA
Principal in Charge. Shawn provided principal oversight of the preparation of over 50 phase I and Phase II Environmental Site Assessments for the former El Toro Marine Corps Air Station (MCAS). The site is currently under development as a large-scale mixed-use development including several schools, residential subdivisions, recreational facilities and commercial development. Shawn also provided consultation regarding environmental site characterization and remediation at the site.

Hanover Cannery Park Project No. 14-473—San Jose, CA
Principal in Charge. Shawn provided principal oversight and review of the Phase I ESA, and soil, groundwater, and soil gas sampling. The historical use of the site resulted in chlorinated solvent impacts to groundwater and soil gas. Results were communicated to the client as well as the oversight regulatory agency to come with the proposed remediation. The project consists of redeveloping an approximately 9-acre commercial/industrial property listed on the California Regional Water Quality Control Board's GeoTracker database as an open site assessment cleanup program site. Elevated concentrations of VOCs (specifically PCE and TCE) have been previously detected in soil, groundwater, and soil gas at the property.

Mission Village—Valencia, CA
Principal in Charge. Shawn provided principal oversight of multiple phase I/II environmental site assessments and site remediation. The project site consists of a large scale, residential and mixed-use subdivision, which was a former oil/gas production field, with more than 40 abandoned oil/gas wells.

Vita Pakt—Covina, CA
Principal in Charge. Shawn provided principal oversight of phase I/II environmental site assessments and risk evaluations. The approximately 5.9-acre site formerly operated as fruit processing and dehydration business (ceased operation by 2016) and is planned to be redeveloped into residential housing. Subsurface soil gas impacts were identified in association with past operations.

Innovation at Warm Springs—Fremont, CA
Principal in Charge. Shawn provided oversight of the preparation of Phase I and II ESAs, along with a Preliminary Endangerment Assessment (PEA) for a new elementary school site. The approximately 109-acre site is currently occupied by a parking lot, warehouse buildings, agricultural fields, and UPRR railroad tracks. The southern portion of the Property was a part of the former auto manufacturing and distribution facility jointly owned by Toyota and General Motors. The northern portion of the Property has been used for agricultural purposes since at least the late 1930s. Additionally, railroad tracks are present along the eastern boundary of the Property.

Former gasoline ASTs existed on the Property, along with a pump station and fuel dispensers, which were removed in 2010. The former car wash area also had a wastewater recovery system, which included oil/water separators, clarifiers, and interceptor tanks. One UST was located in the southeast portion of the agricultural fields, which was removed in 2004. Four 10,000-gallon diesel and gasoline USTs were formerly located in the southwestern portion of the Property in the haul-away parking lot area. Mixed-use redevelopment is planned for the Property. A phase II ESA was recommended for the Site, including soil and groundwater sampling.

277 Fairchild 228/236 Evandale Ave—Mountain View, CA
Principal in Charge. Shawn provided oversight of soil, groundwater and soil gas characterizations, risk evaluations and Response Action Plan preparation under USEPA oversight. The site is within the Middlefield-Ellis-Whisman (MEW) Superfund site, contaminated with chlorinated solvents from legacy semiconductor plant operations. On-going remedial activities included soil vapor extraction, groundwater treatment using bioaugmentation, and groundwater/soil gas monitoring. The proposed site development consists of detached single-family homes and townhomes.

The Rivers—West Sacramento, CA
Principal in Charge. Shawn provided oversight of during the preparation of a Removal Action Workplan (RAW) in coordination with CAL-EPA DTSC. The property is a proposed charter school site. ENGEO performed environmental site characterization work to address residual pesticide contamination die to historic termiticide applications. A Removal Action Workplan was developed under the oversight of CAL-EPA to excavate and remove the pesticide impacted soils. Remedial activities were completed in 2018 and DTSC issued a “no further action” letter.

Sparklizing Cleaners and Laundry—Fremont, CA
Group Leader, Principal in Charge, Project Manager. Shawn provided principal review and data analysis for this former dry cleaning facility, which had released tetrachloroethylene (PCE) to site soil and groundwater.

The project site consists of a dry-cleaning facility located within a commercial/retail center. Dry-cleaning operations have been conducted at the facility since 1974 and have resulted in chlorinated solvent impacts to soil and groundwater beneath the site. As a result, the CRWQCB opened a Spills, Leaks, Investigations, and Cleanups (SLIC) case and the site was referred to the Alameda County Water District (ACWD) for lead agency oversight. A series of soil and

groundwater investigations identified a source area beneath the drycleaner suite and an adjoining retail suite. ENGEO prepared a Corrective Action Plan (CAP) and coordinated the in-situ chemical oxidation program, which consisted of injecting 35,000 gallons of potassium permanganate to the subsurface to oxidize chlorinated solvents. The project is currently in the post remediation monitoring phase.

Pleasant Hill BART Station—Walnut Creek, CA
Principal in Charge. Shawn provided oversight, data analysis and consultation during the preparation of a Phase II Environmental Site Assessment. The property is an existing BART station that encompasses 20 acres, including the platform/station area, electrical facilities, a parking garage and additional paved parking areas.

Westshore—Richmond, CA
Project Manager. Shawn conducted Phase I and II Site Assessments, risk evaluations and prepared a soil management plan. The property was a former automotive manufacturing plant proposed for a multi-unit condominium development, including a 6-story podium structure to include five residential floors with 269 units and one parking floor.

Rancho Miramonte—Chino, CA
Principal in Charge. Shawn performed Principal review of ENGEO's environmental documents for this large former dairy facility, proposed for a large-scale detached single-family residential subdivision. Issues with the site included former leaking USTs, nitrate impacts from manure disposal, and surface water impairments. The project was approved for development by the County Environmental Health Department.

Hercules Property—Hercules, CA
Project Manager. Shawn provided oversight of a Phase I Environmental Site Assessment, site asbestos survey, site characterization, and demolition observation/contaminant assessment. The project area consists of ±167 acres located near and along the southeastern shore of San Pablo Bay in Hercules. The property was once a portion of a 1300-acre manufacturing facility that was operated by DuPont from 1879 to 1913 and Hercules Incorporated from 1913 to 1979. The planned development includes single/multi-family residential development with some commercial components.

Highlands Ranch—Pittsburgh, CA
Principal in Charge. Shawn provided oversight, data analysis, and collaboration with RWQCB personnel. The project site consists of a 140-acre portion of the former Chevron Los Medanos Tank Farm located in Pittsburg, California. The site was historically occupied by 24 crude oil tanks and four wax ponds. Remediation of the crude oil tank and wax pond locations was conducted according to a remedial action plan (RAP) and oversight was provided by the CRWQCB. Remediation was performed over a period of four months and consisted of excavating approximately 110,000 cubic yards of impacted soil and placing the material in windrows for ex-situ bioremediation.

DRAFT

ENGEO
Expect Excellence

BUILDING 'A' - GROUND LEVEL PLAN

SCALE: 1" = 20'

0 20 40 80 feet

NORTH

2026-06-09 18:32

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
19	CONCRETE SCULPTURAL ELEMENTS
20	MURAL ON NEW FENCE OR ADD INTERPRETIVE SIGNAGE IN HOMAGE OF THE THE FORMER ART
22	FIRE LANE EDGE
24	EVENT SPACE FOR FOOD TRUCKS, FARMERS MARKET, EVENTS, POP-UP ART SHOW
25	EXISTING TURF AREA
26	ACCENT PAVING AT THE CORNER ENTRANCE
27	ACCENT PAVING AT THE EVA AISLE
28	STORM WATER TREATMENT PLANTER, SEE CIVIL PLANS
29	6' HIGH BLACK STEEL PICKET FENCE
30	NEW STREET TREES (SUBJECT TO VERIFICATION OF EXISTING UNDERGROUND UTILITIES)
31	SHORT TERM BIKE PARKING
32	TRASH STAGING AREA
33	GATE FOR FIRE EMERGENCY FIRE ACCESS ONLY
34	PER EAST PALO ALTO MUNICIPAL CODE EPAMC 18.22.040, GROUND MOUNTED AND ROOF MOUNTED MECHANICAL EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW. PLANT MATERIAL, AN ENCLOSURE, OR A DECORATIVE SCREEN WILL BE USED WHERE APPLICABLE.
35	REMOVABLE BOLLARDS FOR FIRE & EMERGENCY VEHICLE ACCESS ONLY

2026-06-09 18:29

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CANOPY	QTY	MATURE HEIGHT	MATURE WIDTH
TREES							
	ACER BUERGERIANUM	TRIDENT MAPLE	48" BOX	20'	1	15 - 25FT. HT.	15 - 25FT. W.
	CARPINUS BETULUS 'FRANS FONTAINE'	FRANS FONTAINE HORNBEAM	48" BOX	15'	4	25 - 40FT. HT.	10 - 15FT. W.
	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	20'	12	15 - 25FT. HT.	15 - 25FT. W.
	CORNUS X 'EDDIE'S WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	24" BOX	15'	14	25 - 40FT. HT.	15 - 25FT. W.
	GINKGO BILOBA 'PNI 2720'	PRINCETON SENTRY® MAIDENHAIR TREE	48" BOX	15'	14	40 - 65FT. HT.	15 - 25FT. W.
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24" BOX	15'	30	10 - 15FT. HT.	10 - 15FT. W.
	LEPTOSPERMUM LAEVIGATUM	AUSTRALIAN TEA TREE	24" BOX	15'	1	10 - 15FT. HT.	10 - 15FT. W.
	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	48" BOX	10'	13	40 - 65FT. HT.	3 - 6FT. W.
	PINUS CANARIENSIS	CANARY ISLAND PINE	48" BOX	20'	8	> 65FT. HT.	15 - 25FT. W.
	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	48" BOX	25'	4	25 - 40FT. HT.	25 - 40FT. W.

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	MATURE HEIGHT	MATURE WIDTH
SHRUB AREAS							
	COBBLE 4-6"	RIVER WASHED COBBLE	---		5,887 SF		
	FALL ZONE MATERIAL	FALL ZONE	---		6,348 SF		
	SHRUB & GROUND COVER	PLANTING AREA	---		15,491 SF		
	STORM WATER TREATMENT		---		6,823 SF		

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430-UNIT MIXED-USE PROJECT
THE PACIFIC COMPANIES
2120-2160 EUCLID AVENUE
EAST PALO ALTO CALIFORNIA

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Sheet Title
LANDSCAPE PLAN

Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS #122
06/30/28
Renewal Date
STATE OF CALIFORNIA

No.	Date	Revision
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△		
△		
△		
△		

Project Mgr.: THP
Drawn By: THP
Scale: 1"=20'
Date: 06/10/26
File Name:

Sheet No.: L1
of _____ sheets

SHEET ISSUANCE

1909

2026-06-03 18:34

BUILDING 'B' - GROUND LEVEL PLAN

SCALE: 1" = 20'

0 20 40 60 feet

NORTH

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CANOPY
TREES				
	ACER BUERGERIANUM	TRIDENT MAPLE	48" BOX	20'
	CARPINUS BETULUS 'FRANS FONTAINE'	FRANS FONTAINE HORNBEAM	48" BOX	15'
	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	20'
	CORNUS X 'EDDIE'S WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	24" BOX	15'
	GINKGO BILOBA 'PNI 2720'	PRINCETON SENTRY® MAIDENHAIR TREE	48" BOX	15'
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24" BOX	15'
	LEPTOSPERMUM LAEVIGATUM	AUSTRALIAN TEA TREE	24" BOX	15'
	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	48" BOX	10'
	PINUS CANARIENSIS	CANARY ISLAND PINE	48" BOX	20'
	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	48" BOX	25'

2026-06-08 10:28

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
SHRUB AREAS		
	SHRUB & GROUND COVER	PLANTING AREA
	STORM WATER TREATMENT	

2026-06-03 18:33

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
19	CONCRETE SCULPTURAL ELEMENTS
20	MURAL ON NEW FENCE OR ADD INTERPRETIVE SIGNAGE IN HOMAGE OF THE THE FORMER ART
22	FIRE LANE EDGE
24	EVENT SPACE FOR FOOD TRUCKS, FARMERS MARKET, EVENTS, POP-UP ART SHOW
25	EXISTING TURF AREA
26	ACCENT PAVING AT THE CORNER ENTRANCE
27	ACCENT PAVING AT THE EVA AISLE
28	STORM WATER TREATMENT PLANTER, SEE CIVIL PLANS
29	6' HIGH BLACK STEEL PICKET FENCE
30	NEW STREET TREES (SUBJECT TO VERIFICATION OF EXISTING UNDERGROUND UTILITIES)
31	SHORT TERM BIKE PARKING
32	TRASH STAGING AREA
33	**Gate for Fire Emergency Fire Access only**
34	PER EAST PALO ALTO MUNICIPAL CODE EPAMC 18.22.040, GROUND MOUNTED AND ROOF MOUNTED MECHANICAL EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW. PLANT MATERIAL, AN ENCLOSURE, OR A DECORATIVE SCREEN WILL BE USED WHERE APPLICABLE.
35	REMOVABLE BOLLARDS FOR FIRE & EMERGENCY VEHICLE ACCESS ONLY

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430-UNIT MIXED-USE PROJECT
THE PACIFIC COMPANIES
2120-2160 EUCLID AVENUE
EAST PALO ALTO CALIFORNIA

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Sheet Title
LANDSCAPE PLAN

Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS 4122
Expires 08/31/28
Renewal Date
STATE OF CALIFORNIA

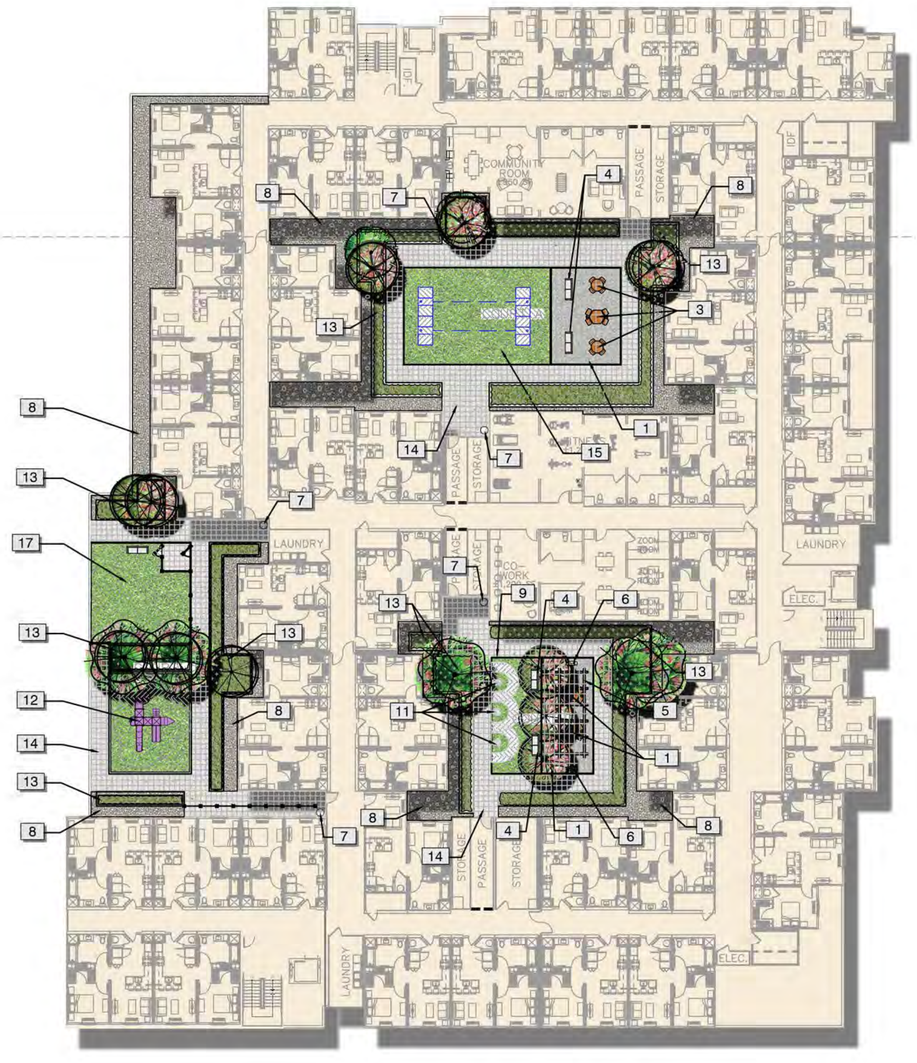
No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr.: THP
Drawn By: THP
Scale:
Date: 06/10/26
File Name:

Sheet No.: L2 of _____ sheets

SHEET ISSUANCE

1910



BUILDING 'A' - PODIUM LEVEL 2 PLAN

0 20 40 60 feet

SCALE: 1" = 20'

NORTH

2026-03-16 16:09

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
1	PEDESTAL PAVER SYSTEM. 12" X 24" 'TILE TECH COOL-ROOF CONCRETE SERIES 'FLAT ASH', COOL-ROOF™ PAVERS UTILIZE A HIGH REFLECTIVE VALUE AND LOW EMISSIVITY RATE RESULTING IN A HIGH SOLAR REFLECTANCE INDEX (SRI) VALUE; TILE TECH COOL-ROOF™ PAVERS HAVE A MINIMUM SRI VALUE OF 78.
3	PICNIC TABLE - 'ULINE 46" ADA ROUND #H-2672' BEIGE COLOR
4	BENCH - 6' WITH BACK 'ULINE #H-2294' BLACK COLOR
5	STEEL TRELLIS LOCATION.
6	ELECTRIC BARBEQUE. MANUFACTURER AND MODEL TBD
7	TRASH RECEPTACLE - 'ULINE TERRACE RECPATACLE #H-7234' BEIGE COLOR
8	PLACE 2-4" SIZE RIVER WASHED COBBLE BETWEEN THE FACE OF BUILIDING FOUNDATION AND CMU WALL
9	PERIMETER CONCRETE CURB AROUND THE OUTDOOR EXERCISE AREA.
11	OUTDOOR EXERCISE EQUIPMENT AREA
12	2-5 & 5-12 YR OLD USER PLAYGROUND EQUIPMENT. DEFERRED SUBMITTAL FOR OWNER APPROVAL
13	+/- 42" HIGH CMU PLANTER
14	PEDESTAL PAVER SYSTEM. 24" X 24" 'TILE TECH COOL-ROOF CONCRETE SERIES 'TERRAZZO COOL GRAY', COOL-ROOF™ PAVERS UTILIZE A HIGH REFLECTIVE VALUE AND LOW EMISSIVITY RATE RESULTING IN A HIGH SOLAR REFLECTANCE INDEX (SRI) VALUE; TILE TECH COOL-ROOF™ PAVERS HAVE A MINIMUM SRI VALUE OF 78. INSTALL OVER 'AWS PEDESTAL SYSTEM', REFER TO THE ARCH DWGS.
15	ARTIFICIAL TURF PLAY AREA
17	DOG PARK
18	4' HIGH PRIVACY FENCE

2026-03-16 16:59

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CANOPY
TREES				
	ACER BUERGERIANUM	TRIDENT MAPLE	24" BOX	20'
	CARPINUS BETULUS 'FRANS FONTAINE'	FRANS FONTAINE HORNBEAM	24" BOX	15'
	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	20'
	CORNUS X 'EDDIE'S WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	24" BOX	15'
	GINKGO BILOBA 'PNI 2720'	PRINCETON SENTRY® MAIDENHAIR TREE	24" BOX	15'
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24" BOX	15'
	LEPTOSPERMUM LAEVIGATUM	AUSTRALIAN TEA TREE	24" BOX	15'
	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	24" BOX	10'
	PINUS CANARIENSIS	CANARY ISLAND PINE	24" BOX	20'

2026-03-16 16:07

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
SHRUB AREAS		
	COBBLE 4-6``	RIVER WASHED COBBLE
	FALL ZONE MATERIAL	FALL ZONE
	SHRUB & GROUND COVER	PLANTING AREA
	STORM WATER TREATMENT	

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430-UNIT MIXED-USE PROJECT
THE PACIFIC COMPANIES
2120-2160 EUCLID AVENUE
EAST PALO ALTO CALIFORNIA

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Sheet Title
LANDSCAPE PLAN

Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS 4122
Signature
08/31/26
Renewal Date
STATE OF CALIFORNIA

No.	Date	Revision
1		
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3		
4		
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Project Mgr.: THP
Drawn By: THP
Scale: 1"=20'
Date: 6/10/26
File Name:

Sheet No.: L3
of ____ sheets

SHEET ISSUANCE

BUILDING 'B' - PODIUM LEVEL 2 PLAN

SCALE: 1" = 20'

0 20 40 60 feet

NORTH

2026-03-16 16:59

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CANOPY
TREES				
	ACER BUERGERIANUM	TRIDENT MAPLE	24" BOX	20'
	CARPINUS BETULUS 'FRANS FONTAINE'	FRANS FONTAINE HORNBEAM	24" BOX	15'
	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	20'
	CORNUS X 'EDDIE'S WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	24" BOX	15'
	GINKGO BILOBA 'PNI 2720'	PRINCETON SENTRY® MAIDENHAIR TREE	24" BOX	15'
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24" BOX	15'
	LEPTOSPERMUM LAEVIGATUM	AUSTRALIAN TEA TREE	24" BOX	15'
	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	24" BOX	10'
	PINUS CANARIENSIS	CANARY ISLAND PINE	24" BOX	20'

2026-06-09 18:36

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
1	PEDESTAL PAVER SYSTEM. 12" X 24" 'TILE TECH COOL-ROOF CONCRETE SERIES 'FLAT ASH', COOL-ROOF™ PAVERS UTILIZE A HIGH REFLECTIVE VALUE AND LOW EMISSIVITY RATE RESULTING IN A HIGH SOLAR REFLECTANCE INDEX (SRI) VALUE; TILE TECH COOL-ROOF™ PAVERS HAVE A MINIMUM SRI VALUE OF 78.
3	PICNIC TABLE - 'ULINE 46" ADA ROUND #H-2672' BEIGE COLOR
4	BENCH - 6' WITH BACK 'ULINE #H-2294' BLACK COLOR
5	STEEL TRELLIS LOCATION.
6	ELECTRIC BARBEQUE. MANUFACTURER AND MODEL TBD
7	TRASH RECEPTACLE - 'ULINE TERRACE RECPATACLE #H-1234' BEIGE COLOR
8	PLACE 2-4" SIZE RIVER WASHED COBBLE BETWEEN THE FACE OF BUILDING FOUNDATION AND CMU WALL
9	PERIMETER CONCRETE CURB AROUND THE OUTDOOR EXERCISE AREA.
11	OUTDOOR EXERCISE EQUIPMENT AREA
12	2-5 & 5-12 YR OLD USER PLAYGROUND EQUIPMENT. DEFERRED SUBMITTAL FOR OWNER APPROVAL
13	+/- 42" HIGH CMU PLANTER
14	PEDESTAL PAVER SYSTEM. 24" X 24" 'TILE TECH COOL-ROOF CONCRETE SERIES 'TERRAZZO COOL GRAY', COOL-ROOF™ PAVERS UTILIZE A HIGH REFLECTIVE VALUE AND LOW EMISSIVITY RATE RESULTING IN A HIGH SOLAR REFLECTANCE INDEX (SRI) VALUE; TILE TECH COOL-ROOF™ PAVERS HAVE A MINIMUM SRI VALUE OF 78. INSTALL OVER 'AWS PEDESTAL SYSTEM', REFER TO THE ARCH DWGS.
15	ARTIFICIAL TURF PLAY AREA
17	DOG PARK
18	4' HIGH PRIVACY FENCE

2026-03-16 16:07

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
SHRUB AREAS		
	COBBLE 4-6''	RIVER WASHED COBBLE
	FALL ZONE MATERIAL	FALL ZONE
	SHRUB & GROUND COVER	PLANTING AREA
	STORM WATER TREATMENT	

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430-UNIT MIXED-USE PROJECT
THE PACIFIC COMPANIES
2120-2160 EUCLID AVENUE
EAST PALO ALTO CALIFORNIA

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Sheet Title

LANDSCAPE PLAN

Seal

LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS 4122
Signature
08/31/26
Renewal Date
STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
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4		
5		

Project Mgr.: THP
Drawn By: THP
Scale: 1"=20'
Date: 6/10/26
File Name:

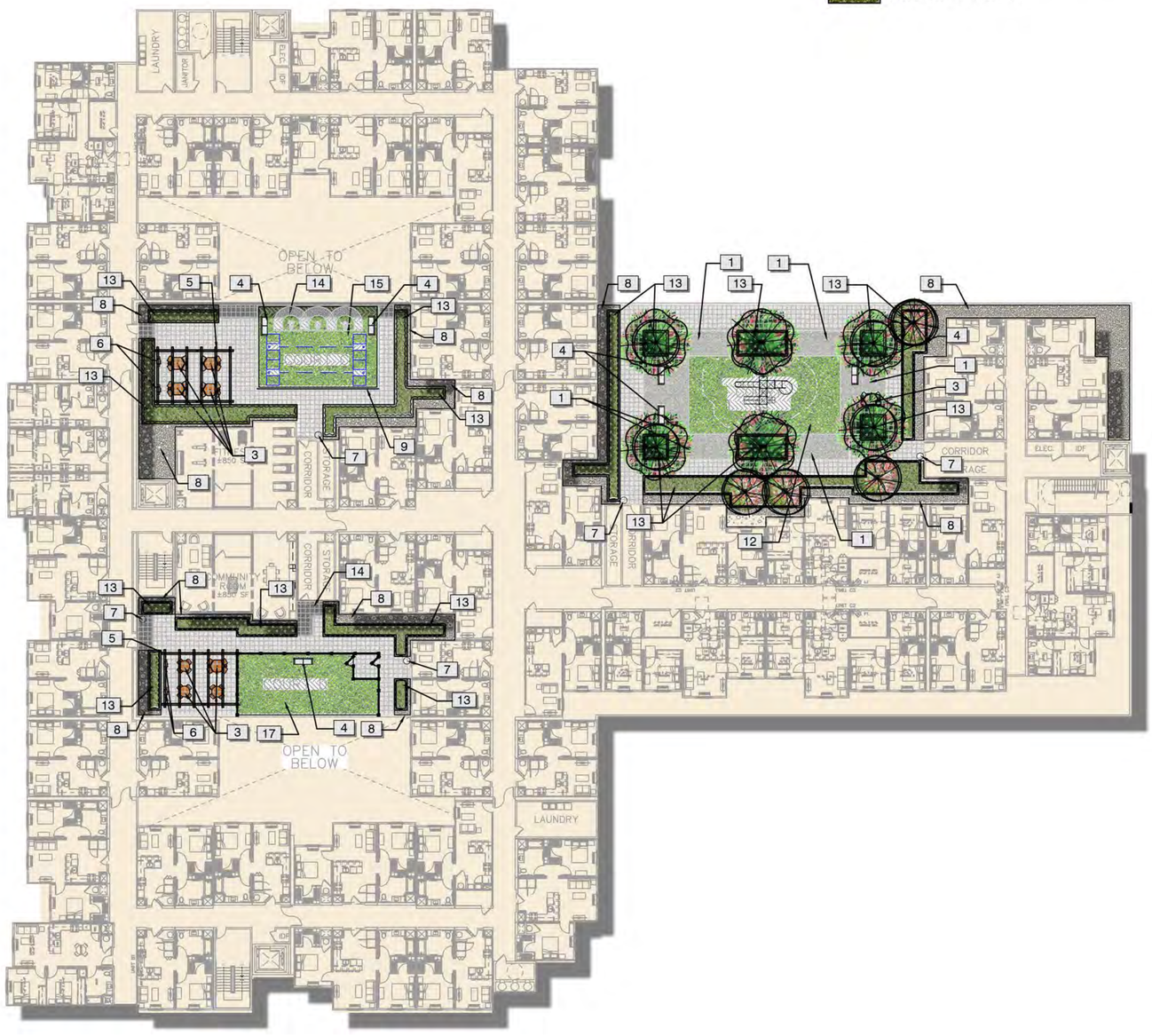
Sheet No.: L4 of _____ sheets

SHEET ISSUANCE

2026-03-16 16:01

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
SHRUB AREAS		
	COBBLE 4-6``	RIVER WASHED COBBLE
	FALL ZONE MATERIAL	FALL ZONE
	SHRUB & GROUND COVER	PLANTING AREA
	STORM WATER TREATMENT	



BUILDING 'B' - PODIUM LEVEL 4 PLAN

SCALE: 1" = 20'

0 20 40 60 feet

NORTH

2026-03-16 16:59

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CANOPY
TREES				
	ACER BUERGERIANUM	TRIDENT MAPLE	24" BOX	20'
	CARPINUS BETULUS 'FRANS FONTAINE'	FRANS FONTAINE HORNBEAM	24" BOX	15'
	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	20'
	CORNUS X 'EDDIE'S WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	24" BOX	15'
	GINKGO BILOBA 'PN 2720'	PRINCETON SENTRY® MAIDENHAIR TREE	24" BOX	15'
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24" BOX	15'
	LEPTOSPERMUM LAEVIGATUM	AUSTRALIAN TEA TREE	24" BOX	15'
	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	24" BOX	10'
	PINUS CANARIENSIS	CANARY ISLAND PINE	24" BOX	20'

2026-06-05 18:36

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
1	PEDESTAL PAVER SYSTEM. 12" X 24" 'TILE TECH COOL-ROOF CONCRETE SERIES 'FLAT ASH', COOL-ROOF™ PAVERS UTILIZE A HIGH REFLECTIVE VALUE AND LOW EMISSIVITY RATE RESULTING IN A HIGH SOLAR REFLECTANCE INDEX (SRI) VALUE; TILE TECH COOL-ROOF™ PAVERS HAVE A MINIMUM SRI VALUE OF 78.
3	PICNIC TABLE - 'ULINE 46" ADA ROUND #H-2672' BEIGE COLOR
4	BENCH - 6' WITH BACK 'ULINE #H-2294' BLACK COLOR
5	STEEL TRELLIS LOCATION.
6	ELECTRIC BARBEQUE. MANUFACTURER AND MODEL TBD
7	TRASH RECEPTACLE - 'ULINE TERRACE RECPATACLE #H-1234' BEIGE COLOR
8	PLACE 2-4" SIZE RIVER WASHED COBBLE BETWEEN THE FACE OF BUILDING FOUNDATION AND CMU WALL
9	PERIMETER CONCRETE CURB AROUND THE OUTDOOR EXERCISE AREA.
11	OUTDOOR EXERCISE EQUIPMENT AREA
12	2-5 & 5-12 YR OLD USER PLAYGROUND EQUIPMENT. DEFERRED SUBMITTAL FOR OWNER APPROVAL
13	+/- 42" HIGH CMU PLANTER
14	PEDESTAL PAVER SYSTEM. 24" X 24" 'TILE TECH COOL-ROOF CONCRETE SERIES 'TERRAZZO COOL GRAY', COOL-ROOF™ PAVERS UTILIZE A HIGH REFLECTIVE VALUE AND LOW EMISSIVITY RATE RESULTING IN A HIGH SOLAR REFLECTANCE INDEX (SRI) VALUE; TILE TECH COOL-ROOF™ PAVERS HAVE A MINIMUM SRI VALUE OF 78. INSTALL OVER 'AWS PEDESTAL SYSTEM', REFER TO THE ARCH DWGS.
15	ARTIFICIAL TURF PLAY AREA
17	DOG PARK
18	4' HIGH PRIVACY FENCE

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LANDSCAPE PLAN

Seal

LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS #4122
05/31/26
Renewal Date
STATE OF CALIFORNIA

No.	Date	Revision

Project Mgr.: THP
Drawn By: THP
Scale: 1"=20'
Date:
File Name:

Sheet No.: L5 of _____ sheets

SHEET ISSUANCE

PLANTING NOTES:

A. PLACE 2" DEPTH ¾" 'SONOMA GOLD' CRUSHED ROCK OVER LANDSCAPE FABRIC UNDER STAIRWAYS AND UTILITY ACCESS AREAS. INSTALL 'PERMALOC CLEAN LINE' ¾" X 4" ALUMINUM EDGING WITH MILL FINISH (MF), BETWEEN CRUSHED ROCK AND ADJACENT SHRUB BED.

B. PLACE 2-3" SIZE RIVER WASHED COBBLE OVER LANDSCAPE FABRIC WHERE INDICATED.

C. PLACE A 12" WIDE BAND OF 2-3" SIZE COBBLE OVER LANDSCAPE FABRIC AROUND THE PERIMETER OF BIO-RETENTION AREAS AND VEGETATED SWALES TO INTERCEPT DEBRIS PRIOR TO ENTERING INTO THE FILTRATION AREA.. NO EDGING REQUIRED. NOT SHOWN.

D. SOIL PREPARATION AND AMENDING:

1) AFTER ROUGH GRADING OPERATIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A SOILS REPORT THAT PROVIDES AN ANALYSIS OF THE EXISTING SOIL THAT STATES WHAT SOIL AMENDMENTS ARE REQUIRED FOR OPTIMUM PLANTING GROWTH. THE CONTRACTOR SHALL INCORPORATE THE RECOMMENDED QUANTITIES BY THOROUGHLY CULTIVATING ALL PLANTING AREAS TO A DEPTH OF EIGHT (8) INCHES. ROUGH FINISH GRADE ALL AREAS.

2) BROADCAST THE FOLLOWING SOIL AMENDMENTS. QUANTITIES GIVEN ARE PER 1,000 SQUARE FEET OF AREA.
- NITROGEN STABILIZED AND IRON FORTIFIED COMPOST:PER SOIL ANALYSIS RECOMMENDATIONS, OR 4 CY FOR BID PURPOSES
- PELLETIZED FERTILIZER (21-0-0): 10LBS., OR AS PER SOIL ANALYSIS RECOMMENDATIONS
- SOIL SULFUR: PER SOIL ANALYSIS RECOMMENDATIONS
- GYPSUM: 100 LBS

3) CULTIVATE AND THOROUGHLY INCORPORATE THE AMENDMENTS INTO THE TOP EIGHT (8) INCHES OF SOIL.

4) DE-ROCK AREA TO BE PLANTED BY USING A MECHANICAL ROCK PICKER. ALL ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER ARE TO BE REMOVED.

A. INSTALL WEED BARRIER FILTER FABRIC OVER DRIP IRRIGATION COMPONENTS, MANUFACTURED OF POLYPROPYLENE, 28 MIL THICKNESS, AND 2.6 OUNCES PER SQUARE YARD. DEWITT PRO-5, OR EQUAL. SECURE FABRIC SEGMENTS, TO SOIL, WITH 6"X1"X6" STEEL 'U' SHAPE PINS. OVERLAP ADJACENT FABRIC SEGMENTS A MINIMUM OF SIX (6) INCHES AND SECURE WITH PINS AT TWENTY FOUR (24) INCHES ON CENTER.

B. INSTALL 3" DEPTH FIR BARK MULCH OVER THE FILTER FABRIC ON ALL SHRUB AND GROUND COVER PLANTING AREAS. BARK MULCH SHALL BE WOOD RESIDUAL DERIVED AND MANUFACTURED FROM PINE, WHITE AND/OR RED FIR TREE BARK. THE MATERIAL SHALL BE EQUAL TO THAT REFERRED TO AS 'WALK ON BARK' IN THE TRADE.

GENERAL NOTES:

A. THE LANDSCAPE PLANS WILL COMPLY WITH THE REQUIREMENTS OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO)
B. ELEMENTS OF THE LANDSCAPE DOCUMENTATION PACKAGE:
(A) THE LANDSCAPE DOCUMENTATION PACKAGE SHALL INCLUDE THE FOLLOWING SEVEN (7) ELEMENTS:
(1) PROJECT INFORMATION TABLE:
(A) DATE
(B) PROJECT APPLICANT
(C) PROJECT ADDRESS (IF AVAILABLE, A.P.N., PARCEL AND/OR LOT NUMBER(S))
(D) TOTAL LANDSCAPE AREA (SQUARE FEET)
(E) PROJECT TYPE (E.G., NEW, REHABILITATED, PUBLIC, PRIVATE, CEMETERY, HOMEOWNER INSTALLED)
(F) WATER SUPPLY TYPE, RECYCLED, WELL) AND IDENTIFY THE LOCAL RETAIL WATER PURVEYOR
(G) CHECKLIST OF ALL DOCUMENTS IN LANDSCAPE DOCUMENTATION PACKAGE
(H) PROJECT CONTACTS TO INCLUDE CONTACT INFORMATION FOR THE PROJECT APPLICANT, PROPERTY OWNER, PREPARER OF PLANNING APPLICATION
(I) APPLICANT SIGNATURE AND DATE WITH STATEMENT, "I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE
(2) WATER EFFICIENT LANDSCAPE WORKSHEET:
(A) HYDRO ZONE INFORMATION TABLE
(B) WATER BUDGET CALCULATIONS
1. MAXIMUM APPLIED WATER ALLOWANCE (MAWA)
2. ESTIMATED TOTAL WATER USE (ETWU)
(3) SOIL MANAGEMENT REPORT:
(2) LANDSCAPE DESIGN PLAN
(3) IRRIGATION DESIGN PLAN:
(4) LANDSCAPE GRADING DESIGN PLAN: AND
(5) CERTIFICATES OF COMPLETION AND INSTALLATION.

"THIS PLAN WILL COMPLY WITH THE REQUIREMENTS OF THE CITY OF LEMOORE MUNICIPAL CODE AND STATE WATER CONSERVATION ORDINANCES."

SHADE CALCULATIONS

BOTANICAL NAME	COMMON NAME	SIZE	CANOPY	QTY	UNIT	SHADE PROVIDED	TOTAL SHADE	AREA
TREES								
Acer buergerianum	Trident Maple	24" BOX	20'	1	ea	315	315	SF
Carpinus betulus 'Frans Fontaine'	Frans Fontaine Hornbeam	24" BOX	15'	4	ea	177	708	SF
Cercis canadensis 'Forest Pansy'	Forest Pansy Eastern Redbud	24" BOX	20'	20	ea	315	6300	SF
Cornus x 'Eddie's White Wonder'	Eddie's White Wonder Dogwood	24" BOX	15'	14	ea	177	2478	SF
Ginkgo biloba 'PNI 2720'	Princeton Sentry®Maidenhair Tree	24" BOX	15'	14	ea	177	2478	SF
Lagerstroemia indica x fauriei 'Tuscarora'	Tuscarora Crape Myrtle	24" BOX	15'	41	ea	177	7257	SF
Leptospermum laevigatum	Australian Tea Tree	24" BOX	15'	1	ea	177	177	SF
Liquidambar styraciflua 'Slender Silhouette'	Slender Silhouette Sweet Gum	24" BOX	10'	13	ea	245	3185	SF
Pinus canariensis	Canary Island Pine	24" BOX	20'	8	ea	315	2520	SF
Ulmus parvifolia 'Drake'	Drake Lacebark Elm	24" BOX	25'	4	ea	490	1960	SF
							27,378.00	SF
TOTAL SITE AREA COMBINED BLDG A & B							177,979.00	SF
SHADE % COVERAGE							15%	

THE COMBINED LOT AREA IS 177,979 SF. THE TREE CANOPY COVERAGE EQUALS 27,378 SF, FOR 15% ANTICIPATED PERCENTAGE OF CANOPY OVER THE LOT AREA.

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY
SHRUB AREAS			
	SHRUB & GROUND COVER	PLANTING AREA	9,939 SF
	STORM WATER TREATMENT		6,823 SF

PLANT SCHEDULE

PHOTO	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CANOPY	QTY	WATER USE
TREES							
		ACER BUERGERIANUM	TRIDENT MAPLE	48" BOX	20'	1	MEDIUM
		CARPINUS BETULUS 'FRANS FONTAINE'	FRANS FONTAINE HORNBEAM	48" BOX	15'	4	MEDIUM
		CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	24" BOX	20'	12	MEDIUM
		CORNUS X 'EDDIE'S WHITE WONDER'	EDDIE'S WHITE WONDER DOGWOOD	24" BOX	15'	14	MEDIUM - HIGH
		GINKGO BILOBA 'PNI 2720'	PRINCETON SENTRY® MAIDENHAIR TREE	48" BOX	15'	14	MEDIUM
		LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24" BOX	15'	30	MEDIUM
		LEPTOSPERMUM LAEVIGATUM	AUSTRALIAN TEA TREE	24" BOX	15'	1	LOW
		LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	48" BOX	10'	13	MEDIUM - HIGH
		PINUS CANARIENSIS	CANARY ISLAND PINE	48" BOX	20'	8	LOW - MEDIUM
		ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	48" BOX	25'	4	MEDIUM

THOMAS H. PHELPS
LANDSCAPE ARCHITECTURE
IDLA, INC.
California Landscape Architect #4122
ID #LA-16771 * HI #LA-16112
AZ #76633

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430-UNIT MIXED-USE PROJECT
THE PACIFIC COMPANIES
2120-2160 EUCLID AVENUE
EAST PALO ALTO CALIFORNIA

These drawings are instruments of service and are the property of Thomas H. Phelps Landscape Architecture. All designs and other information on the drawings are for the use on the specified project and shall not be used otherwise without the express written permission of Thomas H. Phelps Landscape Architecture.

Sheet Title
PLANT SCHEDULE & NOTES

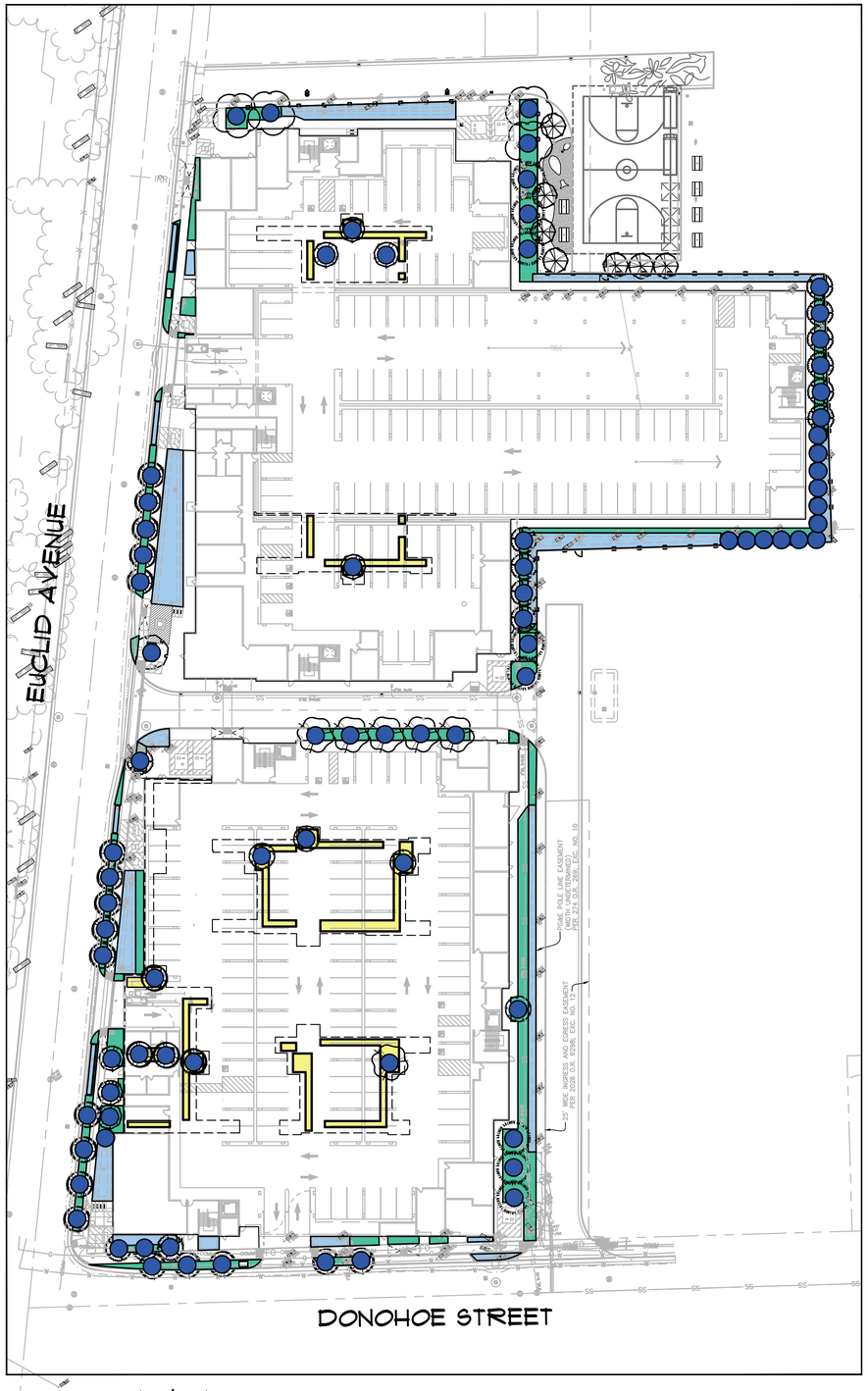
Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS 4122
Expires 08/31/28
STATE OF CALIFORNIA

No.	Date	Revision
△		
△		
△		
△		
△		

Project Mgr.: THP
Drawn By: THP
Scale:
Date: 6/10/26
File Name:

Sheet No.: L6 of _____ sheets

SHEET ISSUANCE

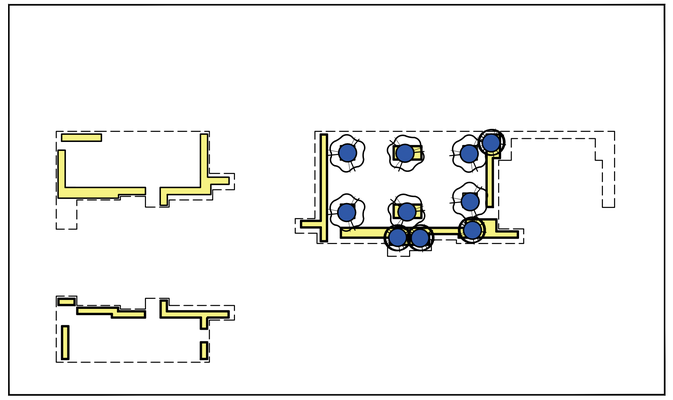


BUILDING 'A & B' - GROUND LEVEL IRRIGATION PLAN

SCALE: 1" = 40'

0 40 80 160 feet

NORTH



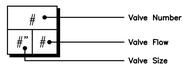
BUILDING 'B' - PODIUM LEVEL 4 PLAN

2026-06-09 08:30

IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	QTY	PRECIP	PSI	GPM
	LOW - SHRUB DRIPLINE 0.9 GPH @ 18" O.C. DRIPLINE WITH 0.90 GPH EMITTERS AT 18" O.C., ROW SPACING AT 18" O.C. LOW WATER USE PLANTINGS	9,721 SF	0.64 IN/H	25	65
	MED - SHRUB DRIPLINE 0.9 GPH @ 18" O.C. DRIPLINE WITH 0.90 GPH EMITTERS AT 18" O.C., ROW SPACING AT 18" O.C.	5,681 SF	0.64 IN/H	25	38
	STORM WATER TREATMENT AREA - DRIPLINE MEDIUM WATER USE	1,036 SF	0.15 IN/H	30	11
	TREE BUBBLERS TWO ROOT WATERING ZONES DEEP ROOT IRRIGATION BUBBLERS AT EACH TREE. MEDIUM & LOW WATER USE	1,009 SF	1 IN/H	30	73

Valve Callout



MWELO WATER USE CALCULATIONS

	California Water Efficient Landscape Worksheet							
	Reference Evapotranspiration (ET_o)		48.8	Project Type		RESIDENTIAL		0.55
	Hydrozone # / Planting Description[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Zone#	Regular Landscape Areas							
1	SHRUB - L	0.2	Drip	0.81	0.25	9721	2400	72622
2	SHRUB - M	0.4	Drip	0.81	0.49	5681	2805	84881
3	TREE - M	0.4	Drip	0.81	0.49	7009	3461	104723
4	STORMWATER - L	0.2	Drip	0.81	0.25	7036	1737	52563
					Totals	29447	10404	314789
							ETWU Total	314789
							Maximum Allowed Water Allowance (MAWA)[e]	490022

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	10404
Total Area	29447
Average ETAF	0.35

All Landscape Areas

Total ETAF x Area	10404
Total Area	29447
Average ETAF	0.35

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

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430-UNIT MIXED-USE PROJECT
THE PACIFIC COMPANIES
2120-2160 EUCLID AVENUE
EAST PALO ALTO CALIFORNIA

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Sheet Title

SCHEMATIC IRRIGATION PLAN

Seal

LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS #122
Expiration
06/31/26
Renewal Date
Date
STATE OF CALIFORNIA

No.	Date	Revision
1		
2		
3		
4		
5		

Project Mgr.: THP
Drawn By: THP
Scale: 1"=40'
Date: 06/10/26
File Name:

Sheet No.: L1
of _____ sheets

SHEET ISSUANCE

Some pruning of the crowns and roots of trees identified preservation and possible preservation is anticipated for construction clearance and during excavations for the bioswales and EVA. ***Specific and General Tree Preservation Recommendations*** are provided on pages 14-16.

Removed Trees
Based on the current design, 59 trees would be removed as part of the redevelopment of the site. All 59 of the trees identified for removal would be directly impacted by the proposed changes and 25 were considered inappropriate for retention. Fifty-six of the trees qualified as *Protected* (including street trees #329 and 357), and 15 were off-site (#354-357, 364, 377, 382, 383 and 386-392).

Table 3: Assessment of Impacts and Recommendations
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Disposition	Impacts
329	Blackwood acacia	17	Yes	Remove	Within sidewalk
330	Blackwood acacia	19,17	Yes	Remove	Within sidewalk
331	Blackwood acacia	16,15,14,8	Yes	Remove	Within sidewalk
332	Blackwood acacia	23	Yes	Remove	Within sidewalk
333	Hollywood juniper	11	Yes	Remove	Within bioretention
334	Hollywood juniper	22	Yes	Remove	Within bioretention
335	London plane	15	Yes	Remove	Impacted by building
336	London plane	17	Yes	Remove	Impacted by building
337	Coast redwood	32	Yes	Remove	Within building
338	Coast redwood	50	Yes	Remove	Within building
339	Western red cedar	29	Yes	Remove	Impacted by building
340	Western red cedar	20	Yes	Remove	Within EVA
341	Western red cedar	14	Yes	Remove	Within EVA
342	Western red cedar	17	Yes	Remove	Within EVA
343	Western red cedar	17	Yes	Remove	Within EVA
344	Western red cedar	22,20	Yes	Remove	Within transformer
345	Western red cedar	21	Yes	Remove	Within bioswale
346	Evergreen ash	32	Yes	Remove	Within garage entry
347	Avocado	7,7,3	No	Remove	Within garage entry
348	Sweetgum	14	Yes	Remove	Within garage entry
349	Coast redwood	36	Yes	Remove	Within trash encl.
350	Camphor	17	Yes	Remove	Within walkway
351	Southern live oak	6	No	Remove	Within building
352	Coast live oak	16	Yes	Remove	Within trash staging
353	Coast live oak	14,13,5	Yes	Remove	Within trash staging
354	Chinese elm	10	Yes	Remove	Within EVA
355	Chinese elm	11	Yes	Remove	Within EVA
356	Chinese elm	9	Yes	Remove	Within EVA
357	Purple-leaf plum	6,5	No	Remove	Within sidewalk
358	Red river gum	32	Yes	Remove	Within grading
359	Coast redwood	30	Yes	Remove	Within grading
360	Lemonwood	14	Yes	Remove	Within grading
361	Lemonwood	12	Yes	Remove	Within grading
362	Coast redwood	15	Yes	Remove	Within site grading

(Continued, following page)

Tree #	Species	Diameter	Protected	Disposition	Impacts
363	Coast redwood	28,21	Yes	Remove	Within site grading
364	Coast redwood	32	Yes	Remove	Within EVA
365	Coast redwood	14	Yes	Remove	Within walkway
366	Coast redwood	32	Yes	Remove	Within walkway
367	Coast redwood	36	Yes	Remove	Within walkway
368	Coast redwood	26	Yes	Remove	Within walkway
369	Coast redwood	35	Yes	Remove	Within walkway
370	Coast redwood	32	Yes	Remove	Within walkway
371	Coast redwood	42	Yes	Remove	Within walkway
372	Coast redwood	46	Yes	Remove	Within bioswale
373	Coast redwood	24	Yes	Remove	Within bioswale
374	Coast redwood	22	Yes	**Preserve**	~8' from ret. wall
375	Coast redwood	33	Yes	**Preserve**	~12' from ret. wall
376	Tree of heaven	17	Yes	Remove	Within grading
377	Tree of heaven	16	Yes	Remove	<2' from ret. wall
378	Coast redwood	25	Yes	**Preserve**	~10' from grading
379	Tree of heaven	7,6	Yes	Remove	Within grading
380	Coast live oak	31	Yes	**Preserve**	~15' from ret. wall & bioretention
381	Coast redwood	30	Yes	**Preserve**	~6' from ret. wall, 8' from bioswale
382	Coast redwood	25	Yes	Remove	<2' from ret. wall
383	Coast redwood	31	Yes	Remove	~2.5' from ret. wall & 3' from bioretention
384	Calif. black walnut	8	Yes	Remove	Within bioretention
385	Olive	6	No	Remove	Within bioretention
386	Coast redwood	34	Yes	Remove	Within BB court
387	Coast redwood	38	Yes	Remove	Within BB court
388	Blackwood acacia	21	Yes	Remove	Within EVA
389	Chinese elm	10	Yes	Remove	Within EVA
390	Chinese elm	8	Yes	Remove	Within EVA
391	Chinese elm	9	Yes	Remove	Within EVA
392	Chinese elm	8	Yes	Remove	Within EVA
393	London plane	16	Yes	**Preserve**	~5' from EVA
394	London plane	16	Yes	**Preserve**	~5' from EVA
395	London plane	9	Yes	**Preserve**	~5' from EVA
396	London plane	8	Yes	**Preserve**	~5' from EVA
397	London plane	12	Yes	**Preserve**	~5' from EVA
398	London plane	8	Yes	**Preserve**	~5' from EVA
399	London plane	7	No	**Preserve**	~5' from EVA
400	Evergreen ash	48	Yes	**Preserve**	~5' from EVA

Color coding:
Root loss within 1x DBH
Root loss within 2x DBH
Root loss within 3x DBH
Root loss 4-5x DBH

Estimated Value of Trees
As part of their development application requirements, the City of East Palo Alto requires the value of all the trees be established using the 'current edition of the *Guide for Plant Appraisal*'.

The 10th Edition of the *Guide for Plant Appraisal*, is the most current edition (published in 2018 by the International Society of Arboriculture). Together with its companion document, *Species Classification and Group Assignment* (published in 2004 by the Western Chapter of the International Society of Arboriculture), they describe the industry standard methods used in tree and plant appraisal.

The *Guide* describes several approaches to appraising the value of plants and trees. The most appropriate in the case of widely available landscape plants is the *Trunk Formula Technique*, a reproduction method based on the following factors:

- Tree size, as measured in terms of trunk diameter at 4.5' above the ground.
- Tree condition, as described in the ***Tree Data*** sheet.
- Functional limitations, which account for interactions between the tree and site that limit future plant development. In this case, primary functional limitations related to species adaptability to the site/regional climate and limited growing space for many of the trees.
- External limitations, which account for factors outside the control of the tree owner, such as ordinances that impact tree management. In this case, there were no external limitations noted.

The estimated value the 72 trees assessed in this report was **$595,650** (see the attached ***Appraisal worksheet***).

The estimated value of the 59 trees identified for removal was **$471,800** (Table 4).

The estimated value of the 13 trees identified for preservation was **$123,850** (Table 5).

Given the physical site constraints, the applicant would like to propose to work with City Parks and arborist to mitigate tree removals, or a portion of them, by planting mitigation trees within Bell Park, another public park in the City, or on a public school site in East Palo Alto.

Table 4: Estimated value of trees identified for removal
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Estimated Value ($)
329	Blackwood acacia	17	Yes	850
330	Blackwood acacia	19,17	Yes	5,600
331	Blackwood acacia	16,15	Yes	0
332	Blackwood acacia	23	Yes	1,500
333	Hollywood juniper	11	Yes	1,800
334	Hollywood juniper	22	Yes	6,950
335	London plane	15	Yes	9,100
336	London plane	17	Yes	11,600
337	Coast redwood	33	Yes	11,700
338	Coast redwood	51	Yes	28,500
339	Western red cedar	30	Yes	9,200
340	Western red cedar	21	Yes	7,300
341	Western red cedar	15	Yes	2,200
342	Western red cedar	18	Yes	3,200

(Continued, following page)

Table 4: Estimated value of trees identified for removal, continued
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Estimated Value ($)
343	Western red cedar	18	Yes	3,200
344	Western red cedar	22,21	Yes	9,650
345	Western red cedar	22	Yes	8,050
346	Evergreen ash	37	Yes	20,850
347	Avocado	8,7	No	2,800
348	Sweetgum	14	Yes	4,800
349	Coast redwood	49	Yes	14,800
350	Camphor	17	Yes	5,350
351	Southern live oak	6	No	1,200
352	Coast live oak	16	Yes	6,600
353	Coast live oak	15,14,6	Yes	10,000
354	Chinese elm	11	Yes	5,350
355	Chinese elm	11	Yes	6,450
356	Chinese elm	9	Yes	4,350
357	Purple-leaf plum	6,5	Yes	950
358	Red river gum	32	Yes	18,600
359	Coast redwood	30	Yes	6,200
360	Lemonwood	14	Yes	2,850
361	Lemonwood	12	Yes	3,550
362	Coast redwood	15	Yes	2,650
363	Coast redwood	28,21	Yes	14,000
364	Coast redwood	32	Yes	11,700
365	Coast redwood	14	Yes	2,300
366	Coast redwood	32	Yes	11,700
367	Coast redwood	36	Yes	20,700
368	Coast redwood	26	Yes	7,750
369	Coast redwood	35	Yes	8,400
370	Coast redwood	32	Yes	11,700
371	Coast redwood	42	Yes	20,150
372	Coast redwood	46	Yes	33,750
373	Coast redwood	24	Yes	6,600
376	Tree of heaven	17	Yes	2,300
377	Tree of heaven	16	Yes	2,050
379	Tree of heaven	7,6	Yes	700
382	Coast redwood	25	Yes	4,300
383	Coast redwood	31	Yes	15,400
384	Calif. black walnut	8	Yes	600
385	Olive	6	No	600
386	Coast redwood	34	Yes	13,200
387	Coast redwood	38	Yes	23,100
388	Blackwood acacia	21	Yes	6,350
389	Chinese elm	10	Yes	5,350
390	Chinese elm	8	Yes	3,500
391	Chinese elm	9	Yes	4,350
392	Chinese elm	8	Yes	3,500
Total				**$471,800**

Table 5: Estimated value of trees identified for retention
2120-2160 Euclid Ave., East Palo Alto CA

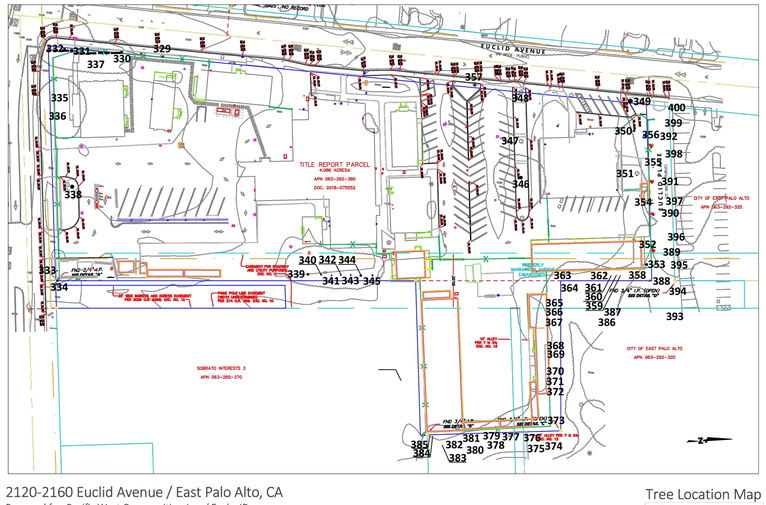
Tree #	Species	Diameter	Protected	Estimated Value ($)
374	Coast redwood	22	Yes	5,550
375	Coast redwood	33	Yes	17,250
378	Coast redwood	25	Yes	7,150
380	Coast live oak	31	Yes	13,250
381	Coast redwood	30	Yes	10,300
393	London plane	16	Yes	6,600
394	London plane	16	Yes	6,600
395	London plane	9	Yes	2,150
396	London plane	8	Yes	1,750
397	London plane	12	Yes	3,750
398	London plane	8	Yes	1,750
399	London plane	7	No	950
400	Evergreen ash	48	Yes	46,800
Total				**$123,850**

Tree Preservation Recommendations
Preservation of trees during construction requires a deliberate and concerted effort from the planning stage, through demolition and construction and installation of plants and irrigation. Every contractor on the project must be made aware of the following recommendations for the protection of trees identified for preservation if the trees are to remain an asset and continue to provide benefits to the site for years to come.

Damage to trees on construction sites is typically associated with root injury and loss and often occurs on the first day of demolition. Direct injury severs roots while indirect injury, such as soil compaction, creates an inhospitable environment for root growth.

Specific Tree Preservation Requirements
The primary recommendations for preservation on the 2120-2160 Euclid Ave. site include:

- The Consulting Arborist must review all plans to adequately assess impacts to trees. These include, but are not limited to, improvement plans, utility and drainage plans, grading plans, landscape and irrigation plans and demolition plans.
- Design the retaining wall and bioretention facility adjacent to tree #381 and 383 to minimize the depth of grading within 10' of the tree.
- Design the storm drain adjacent to off-site trees #393-397 to maintain a minimum of 5' between the trunk of the trees and trenching for the storm drain line.
- All grading for the retaining wall and bioretention within 10' of the trunk of tree #383 shall be performed by hand and under the supervision of the Consulting Arborist.
- Root pruning for trees identified for retention is anticipated, and especially for trees #383 and #400. All root pruning should be done in accordance with the pruning requirements provided below.
- If needed, have trees pruned to reduce canopies for construction clearance. Any pruning of off-site trees should be done with the permission of the adjacent property owner, and all pruning should be done in accordance with the pruning requirements provided below.


EUCLID AVENUE
TITLE REPORT PARCEL
4.096 ACRES±
APN: 063-282-380
DOC. 2018-075592
CITY OF EAST PALO ALTO
APN: 063-282-320
SOBRATO INTERESTS 3
APN: 063-282-370
PUBLIC PEDESTRIAN EASEMENT
PUBLIC ACCESS EASEMENT
PUBLIC UTILITY

WOODREEVE CONSULTING

June 8, 2026

Pacific West Communities, Inc.
430 E. State Street, Suite 100
Eagle, ID 83616

Subject: **Arborist Report Addendum**
Euclid Ave., East Palo Alto CA

Pacific West Communities, Inc. is proposing to redevelop the site located at 2120-2160 Euclid Ave., in East Palo Alto CA. Woodreeve Consulting prepared an **Arborist Report** for the project dated March 2026. The City of East Palo Alto requested I prepare a brief addendum to the **Arborist Report** identifying impacts to the City's trees. This letter responds to that request.

Off-site Trees
Trees were assessed on March 3 and 16, 2026. All trees measuring ≥6" in diameter were included in the survey.

A total of 72 trees were assessed, including 28 off-site trees (354-356, 364, 374, 375, 377, 378, 380-383 and 386-400) and street trees #329 and 357. However, only 19 of the off-site trees (and both street trees) were on City property, including #329, 354-357, 364, 374, 375, 377, 378, 380-383 and 386-392.

Data on individual trees is provided in the ***Tree Data*** sheet and approximate locations are represented on the ***Tree Location Maps*** (Exhibits).

The following provides a breakdown of the location of the City's trees:

- Trees #329 and 357 were located within the City right-of-way along Euclid Ave.
- Trees #354-356 and 389-392 were located on either side of the pedestrian path leading from Euclid Ave. to Bell Park.
- Trees #364, 374, 375, 377, 378, 380-383 and 386-388 were growing in Bell Park, adjacent to the proposed project site.

Based on my review of the latest grading plan, 16 of the City's trees would be directly impacted by the proposed changes, requiring their removal. This includes street trees #329 and 357, and 12 trees along the pedestrian path to Bell Park and within Bell Park (#354-357, 364, 377, 382, 383 and 386-392). These trees are identified on the ***Tree Location Maps*** with an '**X**' (Exhibits).

Please let me know if you have any questions regarding my observation and recommendations.

Woodreeve Consulting

John Leffingwell
Board Certified Master Arborist #WE-3966B
Registered Consulting Arborist #442

General Limitations

- My assessment of the trees is based on a visual evaluation of external conditions and defects observable from the ground. While defect-free trees do fail, especially under extreme wind loading or wind and rain, identifying trees with observable defects is a critical step in enhancing safety.
- Trees are dynamic, living entities that change over time. My assessment of the tree(s) is based on their condition at the time of my inspection. Trees should be inspected annually to monitor for changes in health and structure and following storms. Initiating these inspections is the tree owner/manager's responsibility.
- Trees require management to perform well in a giving setting. Periodic pruning, mulching, pest management and irrigation are typically required.
- Any legal description provided to the consultant is assumed to be correct.
- Care has been taken to obtain all information from reliable sources; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
- Sketches, drawings, and photographs in this report are intended for visual aids. They are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise.
- Information contained in this report covers only those items that were examined and reflects the conditions of those items at the time of inspection.
- The inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring.

Tree Data

City Trees
2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

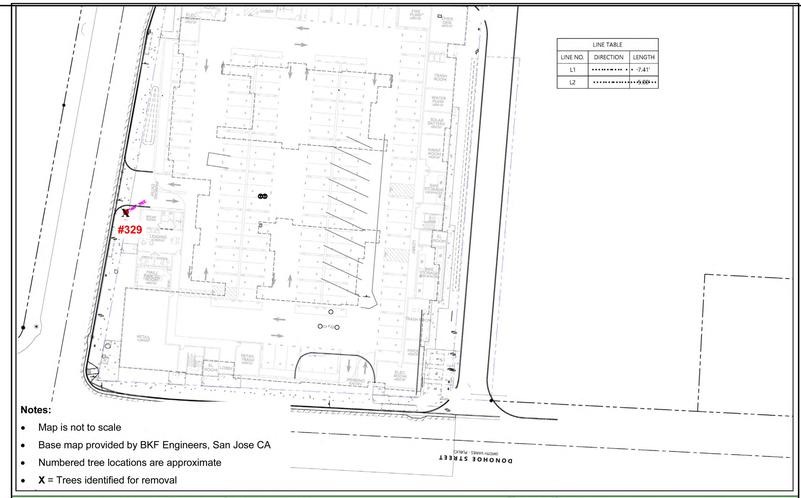
TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
329	Blackwood acacia	17	Yes	1	Low	Off-site; all but dead.	12	10	10	12
354	Chinese elm	11	Yes	4	Moderate	Off-site, no tag; multiple attachments at 7'; good form.	20	10	15	18
355	Chinese elm	11	Yes	4	Moderate	Off-site, no tag; multiple attachments at 10'; good form.	20	12	15	22
356	Chinese elm	9	Yes	4	Moderate	Off-site, no tag; codominant trunks at 7'; one sided S.	12	15	15	15
357	Purple-leaf plum	6,5	Yes	2	Low	Off-site, no tag; codominant trunks at 2'; topped; poor form and structure.	8	10	10	5
364	Coast redwood	32	Yes	3	Moderate	Off-site; corrected lean S.; sparse crown.	12	12	12	12
374	Coast redwood	22	Yes	3	Moderate	Off-site; crowded; one sided NE.; sparse crown.	10	8	10	10
375	Coast redwood	33	Yes	4	Moderate	Off-site; good form and structure; a little sparse in the upper crown.	15	15	15	15
377	Tree of heaven	16	Yes	3	Low	Off-site; codominant trunks at 12'; asymmetric form.	10	18	8	18
378	Coast redwood	25	Yes	3	Moderate	Off-site; upright form; sparse, high crown.	10	10	10	10
380	Coast live oak	31	Yes	4	Moderate	Off-site; codominant trunks at 10'; leaning & very one sided E.	20	18	35	15
381	Coast redwood	30	Yes	3	Moderate	Off-site; upright form; sparse crown. ce	12	12	12	12
382	Coast redwood	25	Yes	2	Low	Off-site; topped at ~20'; poor form and structure.	8	8	8	8

Tree Data

City Trees
2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
383	Coast redwood	31	Yes	4	Moderate	Off-site; upright form; a little sparse.	12	12	12	12
386	Coast redwood	34	Yes	3	Moderate	Off-site; crowded; one sided E.; a little sparse; trunk wound S.	12	18	15	10
387	Coast redwood	38	Yes	4	Moderate	Off-site; upright form; a little sparse.	15	15	15	15
388	Blackwood acacia	21	Yes	3	Low	Off-site; codominant trunks at18'; good form; base grew over stump of another tree.	18	15	15	12
389	Chinese elm	10	Yes	4	Moderate	Off-site; codominant trunks at 5'; good, upright form; trunk wounds at 10'.	12	10	12	10
390	Chinese elm	8	Yes	4	Moderate	Off-site; codominant trunks at 6'; good, upright form.	12	10	8	10
391	Chinese elm	9	Yes	4	Moderate	Off-site; multiple attachments at 6'; good, upright form.	10	10	10	12
392	Chinese elm	8	Yes	4	Moderate	Off-site; codominant trunks at 6'; upright, narrow form.	10	10	10	10



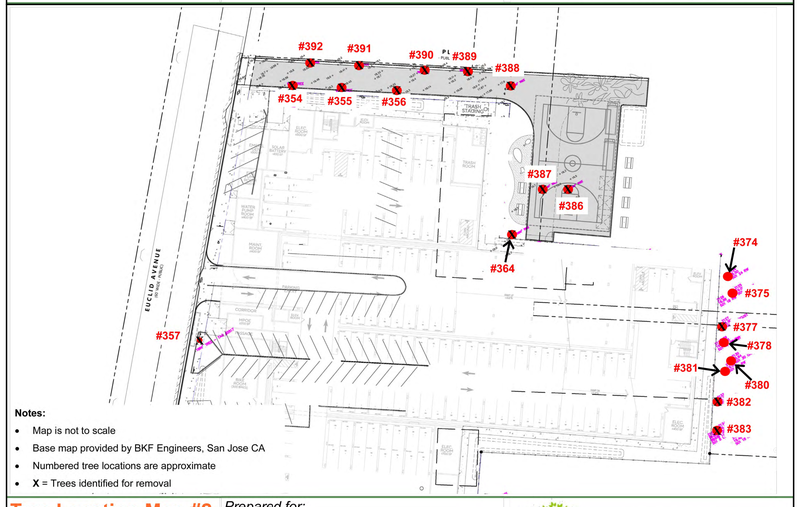
Notes:
- Map is not to scale
- Base map provided by BKF Engineers, San Jose CA
- Numbered tree locations are approximate
- **X** = Trees identified for removal

Tree Location Map #1

City Trees
2120-2160 Euclid Ave.
East Palo Alto, CA

Prepared for:
Pacific West Communities, Inc.
East Palo Alto, CA
March 2026

WOODREEVE CONSULTING
5627 Telegraph Ave., Suite #385
Oakland, CA 94609—(510) 387-5241



Notes:
- Map is not to scale
- Base map provided by BKF Engineers, San Jose CA
- Numbered tree locations are approximate
- **X** = Trees identified for removal

Tree Location Map #2

City Trees
2120-2160 Euclid Ave.
East Palo Alto, CA

Prepared for:
Pacific West Communities, Inc.
East Palo Alto, CA
March 2026

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TREE REMOVAL PLAN - OFF SITE

NORTH

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LANDSCAPE ARCHITECTURE
IDLA, INC.
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430-UNIT MIXED-USE PROJECT
THE PACIFIC COMPANIES
2120-2160 EUCLID AVENUE
EAST PALO ALTO CALIFORNIA

These drawings are instruments of service and are the property of Thomas H. Phelps Landscape Architecture. All designs and other information on the drawings are for the use on the specified project and shall not be used otherwise without the express written permission of Thomas H. Phelps Landscape Architecture.

Sheet Title
TREE DISPOSITION PLAN
OFF-SITE

Seal
LICENSED LANDSCAPE ARCHITECT
THOMAS H. PHELPS 4122
Expiration 08/31/26
Renewal Date
Date
STATE OF CALIFORNIA

No.	Date	Revision
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Project Mgr: HP
Drawn By: HP
Scale: NTS
Date:
File Name:

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of _____ sheets

SHEET ISSUANCE

1917

Updated Preliminary Arborist Report

2120-2160 Euclid Avenue
East Palo Alto, CA

Prepared for:
Pacific West Communities, Inc.
430 E. State Street, Suite 100
Eagle, ID 83616

Prepared by:
Woodreeve Consulting
5627 Telegraph Ave., #385
Oakland CA, 94609

June 2026

WOODREEVE CONSULTING

Updated Preliminary Arborist Report

2120-2160 Euclid Ave., East Palo Alto CA

Summary

Pacific West Communities, Inc. is proposing to redevelop the site located at 2120-2160 Euclid Ave., in East Palo Alto CA. Woodreeve Consulting was asked to prepare an **Arborist Report** for the project as part of the development submittals to the City of East Palo Alto.

I reviewed the following plans to estimate impacts to the trees. Although labeled 'Preliminary', the plans provided sufficient information about the location and nature of the proposed construction to make an accurate and thorough assessment of the impacts to the trees.

- Preliminary Site Plans, Preliminary Grading and Drainage Plan and Preliminary Utility Plan, all prepared by BKF Engineers (dated 3.17.2026).

A total of 72 trees were assessed from 18 species. This included 28 off-site trees (354-356, 364, 374, 375, 377, 378, 380-383 and 386-400) and street trees #329 and 357. Data on individual trees is provided in the ***Tree Data*** sheet and approximate locations are represented on the ***Tree Location Map*** (Exhibits).

In general, trees were concentrated around the periphery of the site, with groups of trees along the southern, eastern and northern boundaries. A row of mature coast redwoods, with a few other species interplanted, was growing on the project site, immediately adjacent to Bell Park. The majority of the off-site trees were growing along and adjacent to the pedestrian path to Bell Park and in Bell Park.

Based on the City of East Palo Alto Municipal Code 12.16 (Trees on Public Property and in the Public Right-of-Way), and Municipal Code 18.28 (Trees on Private Property), a total of 68 *Protected* trees were assessed, 66 of which had trunk diameters ≥8" and #329 and 357 were within the right-of-way. *Protected* trees are identified in the ***Tree Data*** sheet.

I reviewed the Preliminary Site, Grading and Drainage, and Utility Plans (BKF Engineers) to estimate impacts to the trees. The plans were preliminary but provided sufficient detail to make an accurate assessment of impacts to trees. Where needed, I spoke with BKF, the project engineer, for more information and details.

Thirteen trees have been identified for retention under the current design, 12 of which were *Protected* trees. Table 3 (Page 10) provides the disposition, protected status and recommended action for each tree, along with color-coding to help understand the severity of the impacts.

Successful retention of tree #381 will require design modifications to the retaining wall and bioretention to minimize grading within 10' of the tree trunk, as well as hand excavation within this zone to locate and prune roots.

Based on the current design, 59 trees would be removed as part of the redevelopment of the site. All 59 of the trees identified for removal would be directly impacted by the proposed changes and 25 were considered inappropriate for retention. Fifty-six of the trees qualified as *Protected* (including street trees #329 and 357), and 15 were off-site (#354-357, 364, 377, 382, 383 and 386-392).

I estimated the value of the 72 trees assessed in this report as **$595,650** (see the attached ***Appraisal worksheet***). The value of the 59 trees identified for removal was estimated at **$471,800** (Table 4). The estimated value of the 13 trees identified for preservation was **$123,850** (Table 5).

Given the physical site constraints, applicant would like to propose to work with City Parks and arborist to mitigate tree removals, or a portion of them, by planting mitigation trees within Bell Park, another public park in the City, or on a public school site in East Palo Alto.

Both specific and general ***Tree Preservation Requirements*** are provided at the end of the report (Pages 14-16).

Updated Preliminary Arborist Report
2120-2160 Euclid Ave., East Palo Alto CA

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Updated Preliminary Arborist Report
2120-2160 Euclid Ave., East Palo Alto CA

Introduction

Pacific West Communities, Inc. is proposing to redevelop the site located at 2120-2160 Euclid Ave., in East Palo Alto CA. Woodreeve Consulting was asked to prepare an **Arborist Report** for the project as part of the development submittals to the City of East Palo Alto.

Site and Project Description

The site is bordered by Euclid Ave. to the west, Donahoe St. to the south and Bell Street Park to the northeast. It currently houses Ravenswood City School District facilities, with several single-story buildings, a central parking lot and a bus maintenance and storage yard at the south end. Trees were concentrated around the periphery of the site, with a couple in the parking lot. A row of trees ran along the northeast corner of the site, adjacent to the park.

The proposed project would redevelop the lot into a mixed-use development, with 430 residential units in two 6-story buildings separated by a 20' EVA. The first floors would be the garages, with 5 floors of residential above. Residential would be the primary site use, with retail located in the southwest corner of the site. Euclid Place, leading to Bell Park on the northern boundary, would be converted into an Emergency Vehicle Access (EVA), with park improvements including a basketball court constructed as part of the project.

Regulatory Context

The City of East Palo Alto Municipal Code 12.16 (Trees on Public Property and in the Public Right-of-Way) governs the planting, pruning, removal, preservation, and protection of City-owned/maintained trees, and Municipal Code 18.28 (Trees on Private Property) governs the pruning, protection and removal of *Protected* trees on private property. A permit is required for the removal of any City owned tree or any *Protected* tree.

Per Chapters 12.16 and 18.28, *Protected* trees are defined as:

- Any tree within the public right-of-way or on public property, irrespective of size.
- Any tree on private property having a main stem or trunk of 8" or greater in diameter at a height of 54" above grade (DSH); any tree required to be preserved as a condition of a development approval; any tree required to be planted as a condition of a development approval.

Project Limitations

The following plans were reviewed relative to the proposed development. These plans, especially if labeled 'Schematic', 'Preliminary' or 'Draft', do not typically include all the information required to make a complete and thorough assessment of impacts to trees. If plans are preliminary, the Arborist Report is considered preliminary.

- Preliminary Site Plans, Preliminary Grading and Drainage Plan and Preliminary Utility Plan, all prepared by BKF Engineers (dated 3.17.2026).

Methods

Trees were assessed on March 3 and 16, 2026. All trees measuring ≥6" in diameter were included in the survey.

The assessment procedure consisted of the following:

1. Identifying each live tree as to species;
2. Tagging each tree with an identifying number (attached to the trunk);
3. Recording each tree's location on a map;
4. Measuring the trunk diameter at 54" above grade;
5. Measuring the dripline in four cardinal directions;

6. Evaluating the health and structure using a scale of 0 – 5, where 5 is excellent condition,1 is a tree in severe decline and 0 is a dead tree:
   5 = *Excellent* health and vitality. Good form and structure. No insect or disease problems of significance.
   4 = *Good* health and vitality. Minor dieback and/or decline in vigor. Insignificant structural defects or insects/disease issues that can be corrected.
   3 = *Moderate* health and vitality. Moderate twig and branch dieback or chlorotic foliage. Fair structure, limited decay and/or insects/disease issues that would require a concerted effort to correct.
   2 = *Poor* health and vitality. Declining tree with extensive dieback or very thin crown. Significant decay and/or structural defects that cannot be corrected.
   1 = Very poor health and vitality. Tree is mostly dead or has extensive structural defects that cannot be corrected.
   0 = Dead
7. Rating the suitability for retention as 'high', 'moderate' or 'low'. Suitability goes beyond tree health and structure to consider the interaction of the tree and its current environment, and its potential to be retained and continue to provide benefits.
   High: Trees with good health and structure that have been appropriately located and can continue to provide benefits well into the future.
   Moderate: Trees with fair health and/or structure that have minimal restrictions to their growth and development. The tree can continue to provide benefits but will require ongoing management to address health, structure and/or tree/site conflicts.
   Low: Trees with poor health and/or significant structural defects. The tree may be in conflict with overhead utilities, hardscape or other site features that require ongoing abatement. The species may be invasive or other characteristics that are undesirable or inappropriate for their location.

Tree Resource

A total of 72 trees were assessed from 18 species. This included 28 off-site trees (354-356, 364, 374, 375, 377, 378, 380-383 and 386-400) and street trees #329 and 357. Data on individual trees is provided in the ***Tree Data*** sheet and approximate locations are represented on the ***Tree Location Map*** (Exhibits).

In general, trees were concentrated around the periphery of the site, with groups of trees along the southern, eastern and northern boundaries. A row of mature coast redwoods, with a few other species interplanted, was growing on the project site, immediately adjacent to Bell Park. The majority of the off-site trees were growing along and adjacent to the pedestrian path to Bell Park and in Bell Park.

Tree Condition

Table 1 (following page) provides the number, condition and protected status for each species of tree assessed as part of the project. The photographs and descriptions on the following pages provide an overview of tree species and condition. Tree heights ranged from 14' (tree #357) to 105' (trees #349 and 367).

Photo 1 (L): Looking south at blackwood acacia #329, which was considered 'all but dead'. In general, all 4 blackwood acacias were in poor condition and were starting to fall apart. Tree #331 was dead and #332 had a crack in the stem attachments that was failing.

Table 1: Number, Condition and Protected Status of Trees
2120-2160 Euclid Ave., East Palo Alto CA

Common Name	Scientific Name	Condition Rating				Protected?	# of Trees
		Dead (0)	Poor (1-2)	Fair (3)	Good (4-5)		
Blackwood acacia	*Acacia melanoxylon*	1	4	1	-	5	5
Tree of heaven	*Ailanthus altissima*	-	-	3	-	3	3
Camphor	*Cinnamomum camphora*	-	1	-	-	1	1
Red river gum	*Eucalyptus camaldulensis*	-	-	1	-	1	1
Evergreen ash	*Fraxinus uhdei*	-	-	-	2	2	2
Calif. black walnut	*Juglands hindsii*	-	1	-	-	1	1
Hollywood juniper	*Juniperus chinensis* 'Kaizuka'	-	-	2	-	2	2
Sweetgum	*Liquidambar styraciflua*	-	-	1	-	1	1
Olive	*Olea europaea*	-	-	1	-	-	1
Avocado	*Persea americana*	-	-	-	1	-	1
Pittosporum sp.	*Pittosporum sp.*	-	-	2	-	2	2
London plane	*Platanus x hispanica*	-	-	1	8	8	9
Purple-leaf plum	*Prunus cerasifera* 'Atropurpurea'	-	1	-	-	1	1
Coast live oak	*Quercus agrifolia*	-	-	-	3	3	3
Southern live oak	*Quercus virginiana*	-	-	-	1	-	1
Coast redwood	*Sequoia sempervirens*	-	3	14	5	22	22
Western red cedar	*Thuja plicata*	-	5	2	-	7	7
Chinese elm	*Ulmus parvifolia*	-	-	-	7	7	7
Grand Total		**1**	**15**	**28**	**27**	**(68)**	**72**
		2%	21%	39%	38%	(94%)	100%

Photo 2 (L): Looking east at Hollywood junipers #333 and 334, both of which were in good condition but leaned to the south. **Photo 3** (R): Looking west at London planes #335 and 336 (L to R). Both the London planes were semi-mature (15" and 17" in diameter) and in excellent condition. They were growing just behind the fence along the southern boundary.

Photo 4 (Top L): Looking south at coast redwood #337. It was mature (33" in diameter) and in fair condition. It had been pruned for the utilities and had displaced the asphalt ~12".

Photo 5 (Top R): Looking southeast at coast redwood #338. This was the largest-diameter tree assessed at 51". Condition was fair, with moderate dieback in the canopy. It had been preserved in a medium-sized island surrounded by asphalt.

Photo 6 (L): Looking north at coast redwood #349. It measured 49" in diameter and had been preserved in a very small-sized cut-out and the base had grown over the curb.

Photo 7 (R): Looking northeast at western red cedars #339-345 (foreground to background). This row of trees had been planted along the eastern property line. The trees were semi-mature to mature and in fair (2 trees) to poor (5 trees) condition.

Photo 8 (L): Looking north at mature evergreen ash #346 (right) and young avocado #347 (left/arrow). Both trees were growing in a large island in the parking lot, and both were in good condition.

Photo 9 (Below R): Looking east at off-site Chinese elms #354-356 and 389-392 growing along the foot path to Bell Park. They were all in good condition.

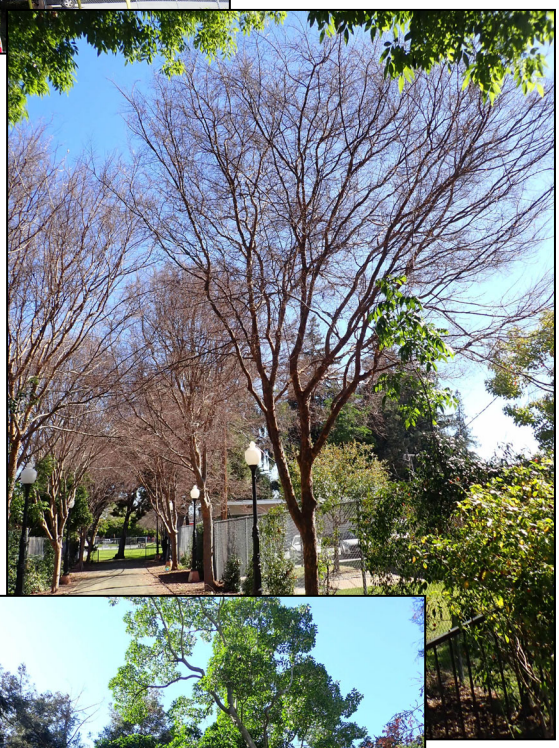


Photo 10 (Above L): Looking west at mature river red gum #358 (R) and coast redwood #359 (L). Both trees were growing adjacent to Bell Park. The river red gum was in fair condition and the coast redwood had been topped and was in poor condition.

Photo 11 (R): Shows lemonwoods #360 and 361 and coast redwoods #362 and 363 growing within ~2' to 5' of the existing building. All these trees were in fair condition

Photo 12 (Above L): Looking southwest at coast redwoods #363-371 (R to L) and **Photo 13 (Above R)**: Looking southeast at coast redwoods #370-373 (R to L). In general, this row of redwoods was growing within 2' to 5' of the existing buildings and the trees were in fair condition. Among this group, coast redwood #369 was the exception and was in poor condition.

Photo 14 (Below): Shows the row of trees along the eastern property boundary with Bell Park (#373-380, R to L). Condition varied from poor (#382) to good (#375, 380 and 383), with the majority of these trees in fair condition. They were growing within ~1' to 12' of the existing fence.

Photo 15 (L): Looking southwest at mature coast redwoods #386 and 387 (L to R). Both trees were growing off-site in Bell Park and #386 was in fair condition and #387 was in good.

Photo 16 (Below R): Shows blackwood acacia #388, growing off-site in Bell Park. It was in fair condition, but of Low suitability for retention.

Photo 17 (Bottom L): Looking east at evergreen ash #400, located just off-site, adjacent to the pedestrian path to Bell Park. The tree was large and had already displaced the sidewalk along Euclid Ave. (inset, bottom R).

Protected Status
City of East Palo Alto Municipal Code 12.16 (Trees on Public Property and in the Public Right-of-Way) governs the planting, pruning, removal, preservation, and protection of City-owned/maintained trees, and Municipal Code 18.28 (Trees on Private Property). A permit is required for the removal of any City owned tree or any *Protected* tree.

Based on the City's policies, a total of 68 *Protected* trees were assessed at the 2120-2160 Euclid Ave. site, 66 of which had trunk diameters ≥8" and #329 and 357 were within the right-of-way.

Suitability for Retention
Irrespective of impacts from development, some trees are inappropriate for retention. Suitability for retention ratings incorporate tree health, structure, species characteristics, tree age and longevity and tree-site conflicts. The goal is to identify trees that are healthy, well-structured and that can tolerate impacts from proposed site changes.

Factors affecting Suitability for Retention ratings include:

- ***Tree health and structure***: The better the health and structure, the more tolerant of development impacts and the less likely the tree will fail.
- ***Species characteristics****:* Species differ in their tolerance to root loss, grade change, hydrological changes and pruning. In addition, some species are listed as invasive, as defined by the California Invasive Plant Inventory Database (http://www.cal-ipc.org/paf/) and are considered inappropriate for retention.
- ***Tree age and longevity:*** Older trees are less capable of responding to site changes and disturbance and can be expected to have shorter life-spans than young trees.
- ***Tree-Site Conflicts:*** Where large-growing species have been planted in tight spaces or beneath overhead utilities and require ongoing maintenance (root or crown pruning), they may not be appropriate for retention. The tree may have simply outgrown the available space, or the species may produce fruit/litter that represents a mismatch between the tree and its planting location.

Table 2 provides a summary of the Suitability for Retention ratings. Trees in the High category represent the best opportunities for successful tree preservation. Those in the moderate category may be preserved but will require more space, management and monitoring to successfully preserve. I generally do not recommend retaining trees in the Low category.

Table 2: Suitability for Retention
2120-2160 Euclid Ave., East Palo Alto CA

High	These are healthy, well-structured trees that can be expected to continue to provide benefits for many years.	Seven trees were considered Highly suitable for retention, including London planes #335, 336, 393, 394, and 396-398.
Moderate	These are trees with moderate health and structural defects that can be managed but which may not be correctable. They can be expected to continue to provide benefits, but may have a shorter life-expectancy and require more management than Highly suitable trees.	Forty trees were of Moderate suitability for retention, including 20 coast redwoods, 7 Chinese elms, coast live oaks #352, 353 and 380, and 9 trees from 5 other species.

(Continued, following page)

Table 2: Suitability for Retention, continued
2120-2160 Euclid Ave., East Palo Alto CA

Low	These are trees in decline or with structural defects that can't be managed. The tree may be inappropriately located on the site, requiring ongoing management, often to the detriment of tree health and structure. Any benefits the tree provides are limited and outweighed by the costs of management.	Twenty-five trees were of Low suitability for retention, including blackwood acacias #329-332 and 388, Western red cedars #339-345, coast redwoods #359, 365, 369 and 382, trees of heaven #376, 377 and 379, and four trees from four other species.

Project Impacts

The proposed project would redevelop the site into a mixed-use development, with 430 residential units in two 6-story buildings separated by an emergency vehicle access (EVA) road. A second EVA would be constructed along the northern property boundary, converting Euclid Pl. that leads to Bell Park, into an access road with a hammerhead. The EVA hammerhead would be part of a basketball court and other public improvements the project would add to the northwestern corner of Bell Park.

Improvements would include:

- Two 5-story residential buildings would be constructed.
- Retail would be constructed in the southwest corner at the corners of Euclid Ave. and Donahoe Street.
- Bioswale planters would be installed across the site.
- Each garage would have a new driveway and a new 20' EVA would separate the two buildings.
- A second 20' wide EVA would be constructed on the north side of the property, converting Euclid Pl. into an access road.
- New amenities would be constructed in Bell Park as part of the EVA, including a basketball court, picnic areas and public art.

I reviewed the following plans to estimate impacts to the trees. Although titled as 'Preliminary', the plans provided sufficient information about the location and nature of the proposed construction to make an accurate and thorough assessment of the impacts to the trees.

- Preliminary Site Plans, Preliminary Grading and Drainage Plan and Preliminary Utility Plan, all prepared by BKF Engineers (dated 3.17.2026).

Retained Trees
Thirteen trees have been identified for retention under the current design, 12 of which were *Protected* trees.

All the trees proposed for preservation were located off-site along the boundary with Bell Park and the proposed EVA. Table 3 (following page) provides the disposition, protected status and recommended action for each tree, along with color-coding to help understand the severity of the impacts.

Tree #381 would be within ~6' of grading for a retaining wall and 8' from grading for the bioswale. Successful retention of tree #381 will require design modifications to the retaining wall and bioretention to minimize grading within 10' of the tree trunk.

Some pruning of the crowns and roots of trees identified preservation and possible preservation is anticipated for construction clearance and during excavations for the bioswales and EVA. ***Specific and General Tree Preservation Recommendations*** are provided on pages 14-16.

Removed Trees
Based on the current design, 59 trees would be removed as part of the redevelopment of the site. All 59 of the trees identified for removal would be directly impacted by the proposed changes and 25 were considered inappropriate for retention. Fifty-six of the trees qualified as *Protected* (including street trees #329 and 357), and 15 were off-site (#354-357, 364, 377, 382, 383 and 386-392).

Table 3: Assessment of Impacts and Recommendations
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Disposition	Impacts
329	Blackwood acacia	17	Yes	Remove	Within sidewalk
330	Blackwood acacia	19,17	Yes	Remove	Within sidewalk
331	Blackwood acacia	16,15,14,8	Yes	Remove	Within sidewalk
332	Blackwood acacia	23	Yes	Remove	Within sidewalk
333	Hollywood juniper	11	Yes	Remove	Within bioretention
334	Hollywood juniper	22	Yes	Remove	Within bioretention
335	London plane	15	Yes	Remove	Impacted by building
336	London plane	17	Yes	Remove	Impacted by building
337	Coast redwood	32	Yes	Remove	Within building
338	Coast redwood	50	Yes	Remove	Within building
339	Western red cedar	29	Yes	Remove	Impacted by building
340	Western red cedar	20	Yes	Remove	Within EVA
341	Western red cedar	14	Yes	Remove	Within EVA
342	Western red cedar	17	Yes	Remove	Within EVA
343	Western red cedar	17	Yes	Remove	Within EVA
344	Western red cedar	22,20	Yes	Remove	Within transformer
345	Western red cedar	21	Yes	Remove	Within bioswale
346	Evergreen ash	32	Yes	Remove	Within garage entry
347	Avocado	7,7,3	No	Remove	Within garage entry
348	Sweetgum	14	Yes	Remove	Within garage entry
349	Coast redwood	36	Yes	Remove	Within trash encl.
350	Camphor	17	Yes	Remove	Within walkway
351	Southern live oak	6	No	Remove	Within building
352	Coast live oak	16	Yes	Remove	Within trash staging
353	Coast live oak	14,13,5	Yes	Remove	Within trash staging
354	Chinese elm	10	Yes	Remove	Within EVA
355	Chinese elm	11	Yes	Remove	Within EVA
356	Chinese elm	9	Yes	Remove	Within EVA
357	Purple-leaf plum	6,5	No	Remove	Within sidewalk
358	Red river gum	32	Yes	Remove	Within site grading
359	Coast redwood	30	Yes	Remove	Within site grading
360	Lemonwood	14	Yes	Remove	Within site grading
361	Lemonwood	12	Yes	Remove	Within site grading
362	Coast redwood	15	Yes	Remove	Within site grading

(**Continued, following page**)

Tree #	Species	Diameter	Protected	Disposition	Impacts
363	Coast redwood	28,21	Yes	Remove	Within site grading
364	Coast redwood	32	Yes	Remove	Within EVA
365	Coast redwood	14	Yes	Remove	Within walkway
366	Coast redwood	32	Yes	Remove	Within walkway
367	Coast redwood	36	Yes	Remove	Within walkway
368	Coast redwood	26	Yes	Remove	Within walkway
369	Coast redwood	35	Yes	Remove	Within walkway
370	Coast redwood	32	Yes	Remove	Within walkway
371	Coast redwood	42	Yes	Remove	Within walkway
372	Coast redwood	46	Yes	Remove	Within bioswale
373	Coast redwood	24	Yes	Remove	Within bioswale
374	Coast redwood	22	Yes	**Preserve**	~8' from ret. wall
375	Coast redwood	33	Yes	**Preserve**	~12' from ret. wall
376	Tree of heaven	17	Yes	Remove	Within grading
377	Tree of heaven	16	Yes	Remove	<2' from ret. wall
378	Coast redwood	25	Yes	**Preserve**	~10' from grading
379	Tree of heaven	7,6	Yes	Remove	Within grading
380	Coast live oak	31	Yes	**Preserve**	~15' from ret. wall & bioretention
381	Coast redwood	30	Yes	**Preserve**	~6' from ret. wall, 8' from bioswale
382	Coast redwood	25	Yes	Remove	<2' from ret. wall
383	Coast redwood	31	Yes	Remove	~2.5' from ret. wall & 3' from bioretention
384	Calif. black walnut	8	Yes	Remove	Within bioretention
385	Olive	6	No	Remove	Within bioretention
386	Coast redwood	34	Yes	Remove	Within BB court
387	Coast redwood	38	Yes	Remove	Within BB court
388	Blackwood acacia	21	Yes	Remove	Within EVA
389	Chinese elm	10	Yes	Remove	Within EVA
390	Chinese elm	8	Yes	Remove	Within EVA
391	Chinese elm	9	Yes	Remove	Within EVA
392	Chinese elm	8	Yes	Remove	Within EVA
393	London plane	16	Yes	**Preserve**	~5' from EVA
394	London plane	16	Yes	**Preserve**	~5' from EVA
395	London plane	9	Yes	**Preserve**	~5' from EVA
396	London plane	8	Yes	**Preserve**	~5' from EVA
397	London plane	12	Yes	**Preserve**	~5' from EVA
398	London plane	8	Yes	**Preserve**	~5' from EVA
399	London plane	7	No	**Preserve**	~5' from EVA
400	Evergreen ash	48	Yes	**Preserve**	~5' from EVA

Color coding:

Root loss within 1x DBH	Root loss within 3x DBH
Root loss within 2x DBH	Root loss 4-5x DBH

Estimated Value of Trees

As part of their development application requirements, the City of East Palo Alto requires the value of all the trees be established using the 'current edition of the *Guide for Plant Appraisal*'.

The 10th Edition of the *Guide for Plant Appraisal*, is the most current edition (published in 2018 by the International Society of Arboriculture). Together with its companion document, *Species Classification and Group Assignment* (published in 2004 by the Western Chapter of the International Society of Arboriculture), they describe the industry standard methods used in tree and plant appraisal.

The *Guide* describes several approaches to appraising the value of plants and trees. The most appropriate in the case of widely available landscape plants is the *Trunk Formula Technique*, a reproduction method based on the following factors:

- Tree size, as measured in terms of trunk diameter at 4.5' above the ground.
- Tree condition, as described in the ***Tree Data*** sheet.
- Functional limitations, which account for interactions between the tree and site that limit future plant development. In this case, primary functional limitations related to species adaptability to the site/regional climate and limited growing space for many of the trees.
- External limitations, which account for factors outside the control of the tree owner, such as ordinances that impact tree management. In this case, there were no external limitations noted.

The estimated value the 72 trees assessed in this report was **$595,650** (see the attached ***Appraisal worksheet***).

The estimated value of the 59 trees identified for removal was **$471,800** (Table 4).

The estimated value of the 13 trees identified for preservation was **$123,850** (Table 5).

Given the physical site constraints, the applicant would like to propose to work with City Parks and arborist to mitigate tree removals, or a portion of them, by planting mitigation trees within Bell Park, another public park in the City, or on a public school site in East Palo Alto.

Table 4: Estimated value of trees identified for removal
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Estimated Value ($)
329	Blackwood acacia	17	Yes	850
330	Blackwood acacia	19,17	Yes	5,600
331	Blackwood acacia	16,15	Yes	0
332	Blackwood acacia	23	Yes	1,500
333	Hollywood juniper	11	Yes	1,800
334	Hollywood juniper	22	Yes	6,950
335	London plane	15	Yes	9,100
336	London plane	17	Yes	11,600
337	Coast redwood	33	Yes	11,700
338	Coast redwood	51	Yes	28,500
339	Western red cedar	30	Yes	9,200
340	Western red cedar	21	Yes	7,300
341	Western red cedar	15	Yes	2,200
342	Western red cedar	18	Yes	3,200

(**Continued, following page**)

Table 4: Estimated value of trees identified for removal, continued
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Estimated Value ($)
343	Western red cedar	18	Yes	3,200
344	Western red cedar	22,21	Yes	9,650
345	Western red cedar	22	Yes	8,050
346	Evergreen ash	37	Yes	20,850
347	Avocado	8,7	No	2,800
348	Sweetgum	14	Yes	4,800
349	Coast redwood	49	Yes	14,800
350	Camphor	17	Yes	5,350
351	Southern live oak	6	No	1,200
352	Coast live oak	16	Yes	6,600
353	Coast live oak	15,14,6	Yes	10,000
354	Chinese elm	11	Yes	5,350
355	Chinese elm	11	Yes	6,450
356	Chinese elm	9	Yes	4,350
357	Purple-leaf plum	6,5	Yes	950
358	Red river gum	32	Yes	18,600
359	Coast redwood	30	Yes	6,200
360	Lemonwood	14	Yes	2,850
361	Lemonwood	12	Yes	3,550
362	Coast redwood	15	Yes	2,650
363	Coast redwood	28,21	Yes	14,000
364	Coast redwood	32	Yes	11,700
365	Coast redwood	14	Yes	2,300
366	Coast redwood	32	Yes	11,700
367	Coast redwood	36	Yes	20,700
368	Coast redwood	26	Yes	7,750
369	Coast redwood	35	Yes	8,400
370	Coast redwood	32	Yes	11,700
371	Coast redwood	42	Yes	20,150
372	Coast redwood	46	Yes	33,750
373	Coast redwood	24	Yes	6,600
376	Tree of heaven	17	Yes	2,300
377	Tree of heaven	16	Yes	2,050
379	Tree of heaven	7,6	Yes	700
382	Coast redwood	25	Yes	4,300
383	Coast redwood	31	Yes	15,400
384	Calif. black walnut	8	Yes	600
385	Olive	6	No	600
386	Coast redwood	34	Yes	13,200
387	Coast redwood	38	Yes	23,100
388	Blackwood acacia	21	Yes	6,350
389	Chinese elm	10	Yes	5,350
390	Chinese elm	8	Yes	3,500
391	Chinese elm	9	Yes	4,350
392	Chinese elm	8	Yes	3,500
Total				**$471,800**

Table 5: Estimated value of trees identified for retention
2120-2160 Euclid Ave., East Palo Alto CA

Tree #	Species	Diameter	Protected	Estimated Value ($)
374	Coast redwood	22	Yes	5,550
375	Coast redwood	33	Yes	17,250
378	Coast redwood	25	Yes	7,150
380	Coast live oak	31	Yes	13,250
381	Coast redwood	30	Yes	10,300
393	London plane	16	Yes	6,600
394	London plane	16	Yes	6,600
395	London plane	9	Yes	2,150
396	London plane	8	Yes	1,750
397	London plane	12	Yes	3,750
398	London plane	8	Yes	1,750
399	London plane	7	No	950
400	Evergreen ash	48	Yes	46,800
Total				**$123,850**

Tree Preservation Recommendations

Preservation of trees during construction requires a deliberate and concerted effort from the planning stage, through demolition and construction and installation of plants and irrigation. Every contractor on the project must be made aware of the following recommendations for the protection of trees identified for preservation if the trees are to remain an asset and continue to provide benefits to the site for years to come.

Damage to trees on construction sites is typically associated with root injury and loss and often occurs on the first day of demolition. Direct injury severs roots while indirect injury, such as soil compaction, creates an inhospitable environment for root growth.

Specific Tree Preservation Requirements

The primary recommendations for preservation on the 2120-2160 Euclid Ave. site include:

- The Consulting Arborist must review all plans to adequately assess impacts to trees. These include, but are not limited to, improvement plans, utility and drainage plans, grading plans, landscape and irrigation plans and demolition plans.
- Design the retaining wall and bioretention facility adjacent to tree #381 and 383 to minimize the depth of grading within 10’ of the tree.
- Design the storm drain adjacent to off-site trees #393-397 to maintain a minimum of 5’ between the trunk of the trees and trenching for the storm drain line.
- All grading for the retaining wall and bioretention within 10’ of the trunk of tree #383 shall be performed by hand and under the supervision of the Consulting Arborist.
- Root pruning for trees identified for retention is anticipated, and especially for trees #383 and #400. All root pruning should be done in accordance with the pruning requirements provided below.
- If needed, have trees pruned to reduce canopies for construction clearance. Any pruning of off-site trees should be done with the permission of the adjacent property owner, and all pruning should be done in accordance with the pruning requirements provided below.

General Tree Preservation Requirements
In addition to the specific recommendations provided above, the following general recommendations are designed to minimize impacts to trees from site demolition, grading, utility work and construction.

Any work within the designated **TREE PROTECTION ZONE** must be approved and monitored by the Consulting Arborist. If fences have been erected at the limit of the **TREE PROTECTION ZONE** the fences will be ***temporarily*** removed and work performed under the direct supervision of the Consulting Arborist. Fences will be replaced following completion of the work based on the recommendations of the Consulting Arborist.

Design phase

1. The Consulting Arborist must review all plans to adequately assess impacts to trees. These include, but are not limited to, improvement plans, utility and drainage plans, grading plans, landscape and irrigation plans and demolition plans.
2. Design the retaining wall and bioretention facility adjacent to tree #381 and 383 to minimize the depth of grading within 10' of the tree.
3. Design the storm drain adjacent to off-site trees #393-397 to maintain a minimum of 5' between the trunk of the trees and trenching for the storm drain line.
4. ***Tree Preservation Recommendations*** prepared by the Consulting Arborist should be included on all plans.
5. Establish a **TREE PROTECTION ZONE** (**TPZ**) for trees to be preserved, in which no disturbance is permitted. **TREE PROTECTION ZONES** are provided in the following table. No grading, excavation, construction or storage of materials shall occur within that zone.

Specific Tree Protection Zones

Tree No.	TPZ
#374	8' W., Dripline (DL) in all other directions
#375	12' W., DL in all other directions
#378	10' W., DL in all other directions
#380	15' W., DL in all other directions.
#381	10' W., DL in all other directions.
#393-400	5' S., DL in all other directions.

5. Underground services including utilities, sub-drains, water or sewer shall be routed around the **TREE PROTECTION ZONE**. Where encroachment cannot be avoided, special construction techniques such as hand digging or tunneling under roots shall be employed where necessary to minimize root injury.
6. Irrigation systems must be designed so that no trenching will occur within the **TREE PROTECTION ZONE**.

Pre-demolition and construction phase

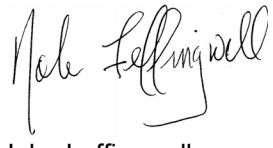
1. The demolition contractor and construction superintendent shall meet with the Consulting Arborist before beginning work to discuss work procedures and tree protection.
2. Fence all trees to be retained to completely enclose the **TREE PROTECTION ZONE** prior to demolition, grubbing or grading. Project perimeter fencing may be adequate. Fences shall be 6 ft. chain link and are to remain until all grading, construction and landscaping is completed. Place weatherproof signs, 2' x 2', on the fencing that read "**TREE PROTECTION ZONE** Keep Out" (eg. one sign for each of the four compass points).

3. Where possible, cap and abandon all existing underground utilities within the **TPZ** in place. Removal of utility boxes by hand is acceptable but avoid trenching within the **TPZ**.
4. Prune trees to be preserved to provide construction clearance. Trees should also be pruned to clean the crowns of dead branches and correct defects in structure.
5. All pruning shall be done by a State of California Licensed Tree Contractor (C61/D49). All pruning shall be done by Certified Arborist or Certified Tree Worker in accordance with the Best Management Practices for Pruning (International Society of Arboriculture, 2017) and adhere to the most recent editions of the American National Standard for Tree Care Operations (Z133.1) and Pruning (A300).
6. All tree work shall comply with the Migratory Bird Treaty Act as well as California Fish and Wildlife Code 3503-3513 to not disturb nesting birds. To the extent feasible tree pruning and removal should be scheduled outside of the breeding season. Breeding bird surveys should be conducted prior to tree work. Qualified biologists should be involved in establishing work buffers for active nests.

Construction phase

1. Any contractor working in the vicinity of trees to be preserved are required to meet with the Consulting Arborist at the site to review all work procedures, access routes, storage areas and tree protection measures.
2. Any excavation that is expected to encounter tree roots must be approved and monitored by the Consulting Arborist. Roots shall be cut by manually exposing roots and pruning all roots ≥2" in diameter with a **sharp** saw. The Consulting Arborist will identify where root pruning is required and monitor all root pruning activities.
3. If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Consulting Arborist so that appropriate treatments can be applied.
4. Fences have been erected to protect trees to be preserved. Fences define a specific **TREE PROTECTION ZONE** for each tree or group of trees. Fences are to remain until all sitework has been completed. Fences may not be relocated or removed without permission of the Consulting Arborist.
5. Construction trailers, traffic and storage areas must remain outside the **TREE PROTECTION ZONE** at all times.
6. All underground utilities, drain lines or irrigation lines shall be routed outside the **TREE PROTECTION ZONE**. If lines must traverse through the **TPZ**, the excavation shall be performed by hand or with compressed air or water. Where possible, roots shall be tunneled or bored under as directed by the Consulting Arborist.
7. No materials, equipment, spoil, waste or wash-out water may be deposited, stored, or parked within the **TREE PROTECTION ZONE** (fenced area).
8. Any additional tree pruning needed for clearance during construction must be performed by a qualified arborist and not by construction personnel.

Woodreeve Consulting LLC



John Leffingwell
Board Certified Master Arborist #WE-3966B
Registered Consulting Arborist #442

Exhibits: ***Tree Data, Tree Location Map and Appraisal Worksheet***

General Limitations

- My assessment of the trees is based on a visual evaluation of external conditions and defects observable from the ground. While defect-free trees do fail, especially under extreme wind loading or wind and rain, identifying trees with observable defects is a critical step in enhancing safety.
- Trees are dynamic, living entities that change over time. My assessment of the tree(s) is based on their condition at the time of my inspection. Trees should be inspected annually to monitor for changes in health and structure and following storms. Initiating these inspections is the tree owner/manager's responsibility.
- Trees require management to perform well in a giving setting. Periodic pruning, mulching, pest management and irrigation are typically required.
- Any legal description provided to the consultant is assumed to be correct.
- Care has been taken to obtain all information from reliable sources; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
- Sketches, drawings, and photographs in this report are intended for visual aids. They are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise.
- Information contained in this report covers only those items that were examined and reflects the conditions of those items at the time of inspection.
- The inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring.

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
329	Blackwood acacia	17	Yes	1	Low	All but dead.	12	10	10	12
330	Blackwood acacia	19,17	Yes	2	Low	Codominant trunks at 3'; narrow attachment; topped at 25'; decay.	12	12	8	10
331	Blackwood acacia	16,15	Yes	2	Low	Multiple attachments at 3'; 14" & 8" stems dead; declining.	12	20	15	18
332	Blackwood acacia	23	Yes	1	Low	Codominant trunks at 4'; crack in attachment widening; leans S.	5	25	10	18
333	Hollywood juniper	11	Yes	3	Moderate	Crowded by #334; one sided W.; fair form and structure.	10	18	5	10
334	Hollywood juniper	22	Yes	3	Moderate	Multiple attachments at 6'; pruned hard E.; leans S.	10	20	5	12
335	London plane	15	Yes	5	High	Multiple attachments at 10'; good form and structure; one sided W.	18	20	10	18
336	London plane	17	Yes	5	High	Good form and structure; one sided E.	20	20	50	10
337	Coast redwood	33	Yes	3	Moderate	Good form and structure; pruned NW. for overhead utilities; in medium planter & displaced asphalt ~12".	10	12	10	10
338	Coast redwood	51	Yes	3	Moderate	Multiple attachments in upper crown; moderate dieback; in medium planter.	15	15	15	15
339	Western red cedar	30	Yes	2	Low	Codominant trunks at 7'; leans & one sided W.; extensive dieback.	10	18	10	22
340	Western red cedar	21	Yes	3	Low	Multiple attachments at 12'; topped at 20'; asymmetric form.	10	8	15	12
341	Western red cedar	15	Yes	2	Low	Topped at 20'; poor form.	2	10	10	15
342	Western red cedar	18	Yes	2	Low	Topped at 20'; leans S.	8	10	15	12

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
343	Western red cedar	18	Yes	2	Low	Topped at 20'; strong lean SW.	2	12	0	20
344	Western red cedar	22,21	Yes	2	Low	Codominant trunks at 6'; topped at 20'; leans SW.; large basal wound N.	5	15	8	18
345	Western red cedar	22	Yes	3	Low	Topped at 20'; W. stem larger than rest of crown; trunk wound NW.	10	10	8	20
346	Evergreen ash	37	Yes	4	Moderate	Multiple attachments at 8'; good form and structure; lots of twig dieback; in large island & still displaced asphalt ~8".	20	25	22	20
347	Avocado	8,7	No	4	High	Crowded by #346; leans W.; vigorous.	8	15	8	15
348	Sweetgum	14	Yes	3	Low	Topped for overhead utilities; poor form and structure; in large planter.	10	12	10	10
349	Coast redwood	49	Yes	3	Moderate	Codominant trunks at 10'; pruned W. for overhead utilities; base pillowing over sidewalk; dead basal tissue.	10	15	15	15
350	Camphor	17	Yes	2	Low	Topped several times; not much remains; large trunk wounds.	5	8	8	8
351	Southern live oak	6	No	3	Low	Topped at 6'; fair form, poor structure.	8	8	8	8
352	Coast live oak	16	Yes	4	Moderate	Codominant trunks at 8'; good form and structure; growing in very tight spot between fences; displaced asphalt ~8".	18	20	15	18

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
353	Coast live oak	15,14,6	Yes	4	Moderate	No tag; multiple attachments at base; upright, narrow form; growing in tight spot between bldg. & fence.	12	18	12	18
354	Chinese elm	11	Yes	4	Moderate	Off-site, no tag; multiple attachments at 7'; good form.	20	10	15	18
355	Chinese elm	11	Yes	4	Moderate	Off-site, no tag; multiple attachments at 10'; good form.	20	12	15	22
356	Chinese elm	9	Yes	4	Moderate	Off-site, no tag; codominant trunks at 7'; one sided S.	12	15	15	15
357	Purple-leaf plum	6,5	Yes	2	Low	Off-site, no tag; codominant trunks at 2'; topped; poor form and structure.	8	10	10	5
358	Red river gum	32	Yes	3	Moderate	Codominant trunks at 10'; one sided S.	20	28	15	15
359	Coast redwood	30	Yes	2	Low	Topped at ~20'; poor form and structure.	5	3	8	5
360	Lemonwood	14	Yes	3	Moderate	Upright form; high crown.	6	10	12	15
361	Lemonwood	12	Yes	3	Moderate	Upright, narrow form.	3	8	8	10
362	Coast redwood	15	Yes	3	Moderate	Good form and structure; a little sparse.	10	10	10	10
363	Coast redwood	28,21	Yes	3	Moderate	Codominant trunks at 3'; stems lean away from each other; sparse crown.	8	15	15	15
364	Coast redwood	32	Yes	3	Moderate	Off-site; corrected lean S.; sparse crown. ~15' from wall	12	12	12	12
365	Coast redwood	14	Yes	3	Low	Crowded; crown bowed SW. ~7' from wall	5	8	3	10

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Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
366	Coast redwood	32	Yes	3	Moderate	Crowded; one sided W.; fire damage at base S. ~5' from wall	10	15	6	15
367	Coast redwood	36	Yes	4	Moderate	Good form and structure; fire damage at base S. ~4' from wall	18	18	15	15
368	Coast redwood	26	Yes	3	Moderate	Lost top; fire damage at base S.	8	10	8	10
369	Coast redwood	35	Yes	2	Low	Dead top; asymmetric form; fire damage at base S. ~4' from wall	15	15	10	198
370	Coast redwood	32	Yes	3	Moderate	Good form and structure; sparse crown. ~2' from wall	15	15	12	12
371	Coast redwood	42	Yes	4	Moderate	Good form and structure. ~2' from wall	10	18	10	10
372	Coast redwood	46	Yes	4	Moderate	Good form and structure. ~4' from wall	12	15	15	10
373	Coast redwood	24	Yes	3	Moderate	Good form and structure; sparse crown. ~2' from wall	10	10	10	10
374	Coast redwood	22	Yes	3	Moderate	Off-site; crowded; one sided NE.; sparse crown. ~8' from wall	10	8	10	10
375	Coast redwood	33	Yes	4	Moderate	Off-site; good form and structure; a little sparse in the upper crown. ~12' from wall	15	15	15	15
376	Tree of heaven	17	Yes	3	Low	Crowded; very one sided W. over project site; base against curb. ~3' from fence	10	18	8	18
377	Tree of heaven	16	Yes	3	Low	Off-site; codominant trunks at 12'; asymmetric form. ~7' from fence	10	18	8	18
378	Coast redwood	25	Yes	3	Moderate	Off-site; upright form; sparse, high crown. ~5' from fence	10	10	10	10

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

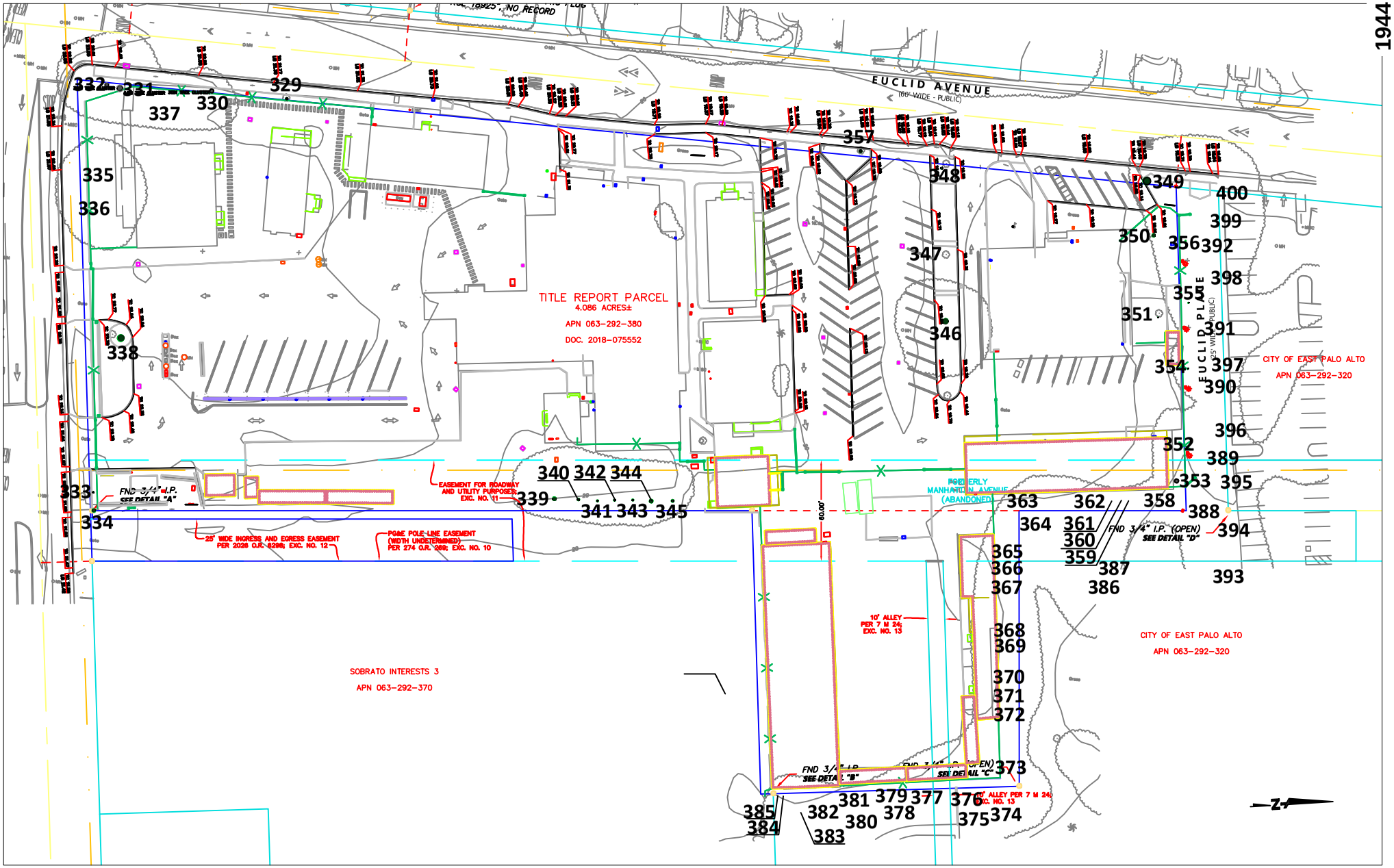
TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
379	Tree of heaven	7,6	Yes	3	Low	Codominant trunks at 3'; one sided W. ~3' from fence	12	10	0	15
380	Coast live oak	31	Yes	4	Moderate	Off-site; codominant trunks at 10'; leaning & very one sided E. ~12' from fence	20	18	35	15
381	Coast redwood	30	Yes	3	Moderate	Off-site; upright form; sparse crown. ~12' from fence	12	12	12	12
382	Coast redwood	25	Yes	2	Low	Off-site; topped at ~20'; poor form and structure. ~4' from wall	8	8	8	8
383	Coast redwood	31	Yes	4	Moderate	Off-site; upright form; a little sparse. ~5' from fence	12	12	12	12
384	Calif. black walnut	8	Yes	2	Low	Crowded; crooks in trunk; poor form and structure. ~1' from fence	5	8	5	10
385	Olive	6	No	3	Low	Crowded; one sided S. ~1' from fence	3	10	8	5
386	Coast redwood	34	Yes	3	Moderate	Off-site; crowded; one sided E.; a little sparse; trunk wound S.	12	18	15	10
387	Coast redwood	38	Yes	4	Moderate	Off-site; upright form; a little sparse.	15	15	15	15
388	Blackwood acacia	21	Yes	3	Low	Off-site; codominant trunks at18'; good form; base grew over stump of another tree.	18	15	15	12
389	Chinese elm	10	Yes	4	Moderate	Off-site; codominant trunks at 5'; good, upright form; trunk wounds at 10'.	12	10	12	10
390	Chinese elm	8	Yes	4	Moderate	Off-site; codominant trunks at 6'; good, upright form.	12	10	8	10

Tree Data

2120-2160 Euclid Ave.
East Palo Alto, California
March 2026

WOODREEVE CONSULTING

TREE No.	SPECIES	TRUNK DIAMETER (in inches)	PROTECTED	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR RETENTION	COMMENTS	Driplines (ft.) North	South	East	West
391	Chinese elm	9	Yes	4	Moderate	Off-site; multiple attachments at 6'; good, upright form.	10	10	10	12
392	Chinese elm	8	Yes	4	Moderate	Off-site; codominant trunks at 6'; upright, narrow form.	10	10	10	10
393	London plane	16	Yes	4	High	Off-site, not tag; good form and structure; surface roots in park.	0	22	15	18
394	London plane	16	Yes	4	High	Off-site, not tag; good form and structure.	0	18	15	12
395	London plane	9	Yes	4	Moderate	Off-site, not tag; upright form, fair structure.	0	10	10	8
396	London plane	8	Yes	4	High	Off-site, not tag; good form and structure.	0	10	8	10
397	London plane	12	Yes	4	High	Off-site, not tag; good form and structure; slight lean E.	0	10	12	12
398	London plane	8	Yes	4	High	Off-site, not tag; narrow form.	0	8	8	8
399	London plane	7	No	3	Moderate	Off-site, not tag; suppressed; lean E.	0	8	15	5
400	Evergreen ash	48	Yes	4	Moderate	Off-site, not tag; codominant trunks at 8'; pruned hard W. for overhead utilities; displaced sidewalk & curb/gutter3-4".	20	25	25	25



2120-2160 Euclid Avenue / East Palo Alto, CA

Prepared for: Pacific West Communities, Inc. / Eagle, ID

March 2026

Notes: no scale

Base map provided by: BKF Engineers / San Jose, CA

Tree Location Map

WOODREEVE CONSULTING

5627 Telegraph Avenue, Suite #385
Oakland, CA 94609
510.387.5241

Appraisal worksheet (10th ed. of the Guide/2004 ed. of Species Classification & Group Assignment)

2120-2160 Euclid Ave., East Palo Alto CA

Largest commonly available = 24" box

WOODREEVE CONSULTING

Tree No.	Species	Trunk Diameter	Cross sectional Area	Condition 0 to 1.0	Functional limitation	External limitation	Replacement tree Diameter	Replacement tree XS area	Total Cost	Unit Tree cost	Appraised Trunk area	Basic tree cost	Appraised value	Rounded value ($50)
329	Blackwood acacia	17	226.9806	0.1	0.55	1	2.2	3.8	250	65.78947368	226.9806	15,183	835	850
330	Blackwood acacia	19,17	510	0.3	0.55	1	2.2	3.8	250	65.78947368	510	33,803	5,577	5,600
331	Blackwood acacia	16,15,14,8	582	0	0.55	1	2.2	3.8	250	65.78947368	582	38,539	0	0
332	Blackwood acacia	23	415.4766	0.1	0.55	1	2.2	3.8	250	65.78947368	415.4766	27,584	1,517	1,500
333	Hollywood juniper	11	95.0334	0.5	0.55	1	2.2	3.8	250	65.78947368	95.0334	6,502	1,788	1,800
334	Hollywood juniper	22	380.1336	0.5	0.55	1	2.2	3.8	250	65.78947368	380.1336	25,259	6,946	6,950
335	London plane	15	176.715	0.9	0.85	1	2.2	3.8	250	65.78947368	176.715	11,876	9,085	9,100
336	London plane	17	226.9806	0.9	0.85	1	2.2	3.8	250	65.78947368	226.9806	15,183	11,615	11,600
337	Coast redwood	32	804.2496	0.5	0.55	1	2.46	4.75	250	52.63157895	804.2496	42,579	11,709	11,700
338	Coast redwood	50	1963.5	0.5	0.55	1	2.46	4.75	250	52.63157895	1963.5	103,592	28,488	28,500
339	Western red cedar	29	660.5214	0.3	0.7	1	2.2	3.8	250	65.78947368	660.5214	43,705	9,178	9,200
340	Western red cedar	20	314.16	0.5	0.7	1	2.2	3.8	250	65.78947368	314.16	20,918	7,321	7,300
341	Western red cedar	14	153.9384	0.3	0.7	1	2.2	3.8	250	65.78947368	153.9384	10,378	2,179	2,200
342	Western red cedar	17	226.9806	0.3	0.7	1	2.2	3.8	250	65.78947368	226.9806	15,183	3,188	3,200
343	Western red cedar	17	226.9806	0.3	0.7	1	2.2	3.8	250	65.78947368	226.9806	15,183	3,188	3,200
344	Western red cedar	22,20	694	0.3	0.7	1	2.2	3.8	250	65.78947368	694	45,908	9,641	9,650
345	Western red cedar	21	346.3614	0.5	0.7	1	2.2	3.8	250	65.78947368	346.3614	23,037	8,063	8,050
346	Evergreen ash	32	804.2496	0.7	0.7	1	2.46	4.75	250	52.63157895	804.2496	42,579	20,864	20,850
347	Avocado	7,7,3	83	0.7	0.7	1	2.2	3.8	250	65.78947368	83	5,711	2,798	2,800
348	Sweetgum	14	153.9384	0.5	0.55	1	1.69	2.24	250	111.6071429	153.9384	17,431	4,793	4,800
349	Coast redwood	36	1017.8784	0.5	0.55	1	2.46	4.75	250	52.63157895	1017.8784	53,823	14,801	14,800
350	Camphor	17	226.9806	0.3	0.7	1	1.69	2.24	250	111.6071429	226.9806	25,583	5,372	5,350
351	Southern live oak	6	28.2744	0.5	0.7	1	1.69	2.24	250	111.6071429	28.2744	3,406	1,192	1,200
352	Coast live oak	16	201.0624	0.7	0.7	1	2.2	3.8	250	65.78947368	201.0624	13,478	6,604	6,600
353	Coast live oak	14,13,5	307	0.7	0.7	1	2.2	3.8	250	65.78947368	307	20,447	10,019	10,000
354	Chinese elm	10	78.54	0.7	0.85	1	1.69	2.24	250	111.6071429	78.54	9,016	5,364	5,350
355	Chinese elm	11	95.0334	0.7	0.85	1	1.69	2.24	250	111.6071429	95.0334	10,856	6,460	6,450
356	Chinese elm	9	63.6174	0.7	0.85	1	1.69	2.24	250	111.6071429	63.6174	7,350	4,373	4,350
357	Purple-leaf plum	6,5	48	0.3	0.55	1	1.69	2.24	250	111.6071429	48	5,607	925	950
358	Red river gum	32	804.2496	0.5	0.7	1	2.2	3.8	250	65.78947368	804.2496	53,161	18,606	18,600
359	Coast redwood	30	706.86	0.3	0.55	1	2.46	4.75	250	52.63157895	706.86	37,453	6,180	6,200
360	Lemonwood	14	153.9384	0.5	0.55	1	2.2	3.8	250	65.78947368	153.9384	10,378	2,854	2,850
361	Lemonwood	12	113.0976	0.5	0.55	1	1.69	2.24	250	111.6071429	113.0976	12,873	3,540	3,550
362	Coast redwood	15	176.715	0.5	0.55	1	2.46	4.75	250	52.63157895	176.715	9,551	2,626	2,650
363	Coast redwood	28,21	961	0.5	0.55	1	2.46	4.75	250	52.63157895	961	50,829	13,978	14,000
364	Coast redwood	32	804.2496	0.5	0.55	1	2.46	4.75	250	52.63157895	804.2496	42,579	11,709	11,700
365	Coast redwood	14	153.9384	0.5	0.55	1	2.46	4.75	250	52.63157895	153.9384	8,352	2,297	2,300
366	Coast redwood	32	804.2496	0.5	0.55	1	2.46	4.75	250	52.63157895	804.2496	42,579	11,709	11,700
367	Coast redwood	36	1017.8784	0.7	0.55	1	2.46	4.75	250	52.63157895	1017.8784	53,823	20,722	20,700
368	Coast redwood	26	530.9304	0.5	0.55	1	2.46	4.75	250	52.63157895	530.9304	28,194	7,753	7,750
369	Coast redwood	35	962.115	0.3	0.55	1	2.46	4.75	250	52.63157895	962.115	50,888	8,396	8,400

Appraisal worksheet (10th ed. of the Guide/2004 ed. of Species Classification & Group Assignment)

2120-2160 Euclid Ave., East Palo Alto CA

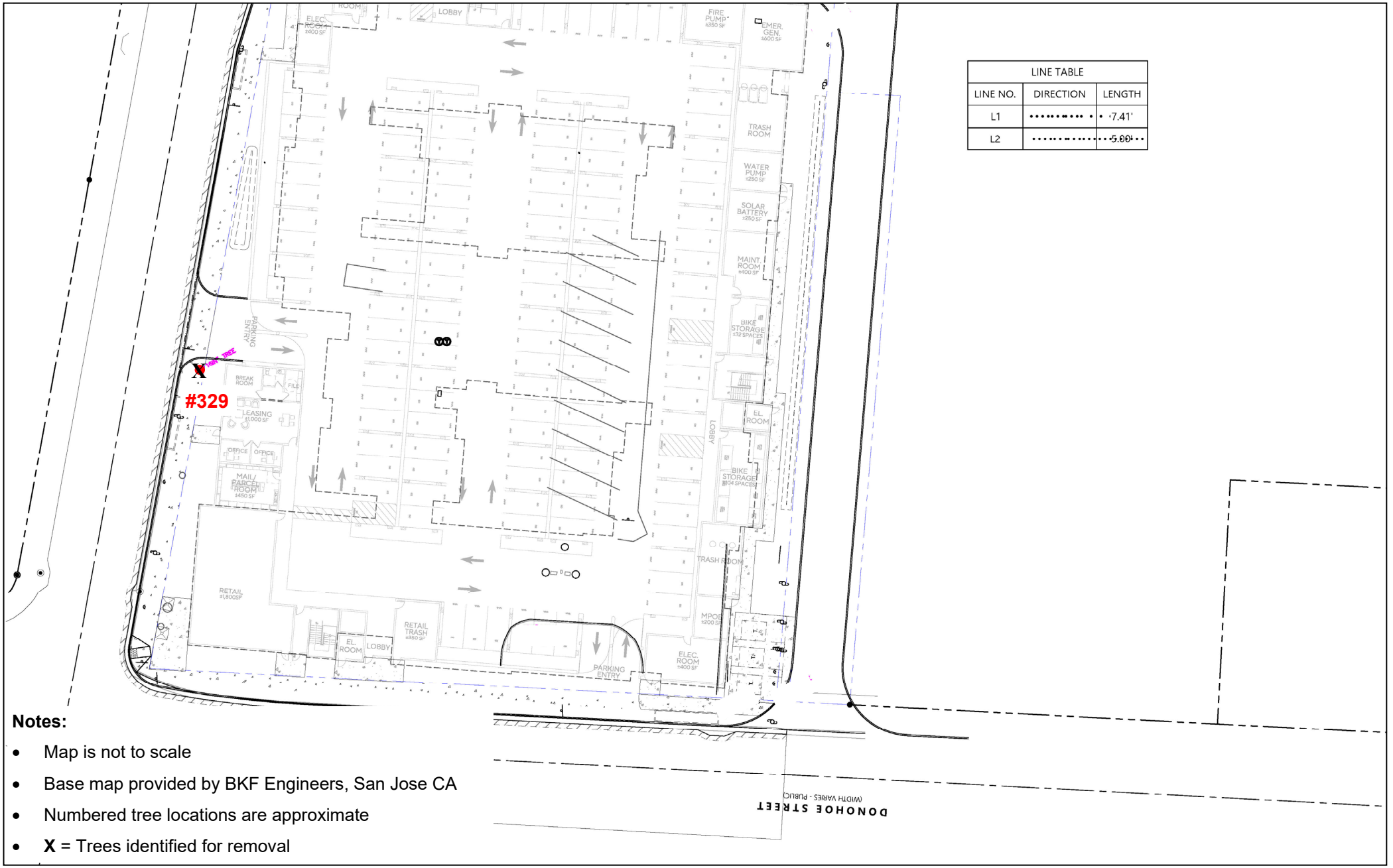
Largest commonly available = 24" box

WOODREEVE CONSULTING

Tree No.	Species	Trunk Diameter	Cross sectional Area	Condition 0 to 1.0	Functional limitation	External limitation	Replacement tree Diameter	Replacement tree XS area	Total Cost	Unit Tree cost	Appraised Trunk area	Basic tree cost	Appraised value	Rounded value ($50)
370	Coast redwood	32	804.2496	0.5	0.55	1	2.46	4.75	250	52.63157895	804.2496	42,579	11,709	11,700
371	Coast redwood	42	1385.4456	0.7	0.55	1	2.46	4.75	250	52.63157895	1385.4456	73,168	28,170	20,150
372	Coast redwood	46	1661.9064	0.7	0.55	1	2.46	4.75	250	52.63157895	1661.9064	87,719	33,772	33,750
373	Coast redwood	24	452.3904	0.5	0.55	1	2.46	4.75	250	52.63157895	452.3904	24,060	6,617	6,600
374	Coast redwood	22	380.1336	0.5	0.55	1	2.46	4.75	250	52.63157895	380.1336	20,257	5,571	5,550
375	Coast redwood	33	855.3006	0.7	0.55	1	2.46	4.75	250	52.63157895	855.3006	45,266	17,427	17,250
376	Tree of heaven	17	226.9806	0.5	0.38	1	2.46	4.75	250	52.63157895	226.9806	12,196	2,317	2,300
377	Tree of heaven	16	201.0624	0.5	0.38	1	2.46	4.75	250	52.63157895	201.0624	10,832	2,058	2,050
378	Coast redwood	25	490.875	0.5	0.55	1	2.46	4.75	250	52.63157895	490.875	26,086	7,174	7,150
379	Tree of heaven	7,6	66	0.5	0.38	1	2.46	4.75	250	52.63157895	66	3,724	708	700
380	Coast live oak	31	754.7694	0.7	0.38	1	2.2	3.8	250	65.78947368	754.7694	49,906	13,275	13,250
381	Coast redwood	30	706.86	0.5	0.55	1	2.46	4.75	250	52.63157895	706.86	37,453	10,300	10,300
382	Coast redwood	25	490.875	0.3	0.55	1	2.46	4.75	250	52.63157895	490.875	26,086	4,304	4,300
383	Coast redwood	31	754.7694	0.7	0.55	1	2.46	4.75	250	52.63157895	754.7694	39,975	15,390	15,400
384	Calif. black walnut	8	50.2656	0.3	0.55	1	2.2	3.8	250	65.78947368	50.2656	3,557	587	600
385	Olive	6	28.2744	0.5	0.55	1	2.2	3.8	250	65.78947368	28.2744	2,110	580	600
386	Coast redwood	34	907.9224	0.5	0.55	1	2.46	4.75	250	52.63157895	907.9224	48,035	13,210	13,200
387	Coast redwood	38	1134.1176	0.7	0.55	1	2.46	4.75	250	52.63157895	1134.1176	59,940	23,077	23,100
388	Blackwood acacia	21	346.3614	0.5	0.55	1	2.2	3.8	250	65.78947368	346.3614	23,037	6,335	6,350
389	Chinese elm	10	78.54	0.7	0.85	1	1.69	2.24	250	111.6071429	78.54	9,016	5,364	5,350
390	Chinese elm	8	50.2656	0.7	0.85	1	1.69	2.24	250	111.6071429	50.2656	5,860	3,487	3,500
391	Chinese elm	9	63.6174	0.7	0.85	1	1.69	2.24	250	111.6071429	63.6174	7,350	4,373	4,350
392	Chinese elm	8	50.2656	0.7	0.85	1	1.69	2.24	250	111.6071429	50.2656	5,860	3,487	3,500
393	London plane	16	201.0624	0.7	0.7	1	2.2	3.8	250	65.78947368	201.0624	13,478	6,604	6,600
394	London plane	16	201.0624	0.7	0.7	1	2.2	3.8	250	65.78947368	201.0624	13,478	6,604	6,600
395	London plane	9	63.6174	0.7	0.7	1	2.2	3.8	250	65.78947368	63.6174	4,435	2,173	2,150
396	London plane	8	50.2656	0.7	0.7	1	2.2	3.8	250	65.78947368	50.2656	3,557	1,743	1,750
397	London plane	12	113.0976	0.7	0.7	1	2.2	3.8	250	65.78947368	113.0976	7,691	3,768	3,750
398	London plane	8	50.2656	0.7	0.7	1	2.2	3.8	250	65.78947368	50.2656	3,557	1,743	1,750
399	London plane	7	38.4846	0.5	0.7	1	2.2	3.8	250	65.78947368	38.4846	2,782	974	950
400	Evergreen ash	48	1809.5616	0.7	0.7	1	2.46	4.75	250	52.63157895	1809.5616	95,490	46,790	46,800
Total														**595,650**

General Limitations

- My assessment of the trees is based on a visual evaluation of external conditions and defects observable from the ground. While defect-free trees do fail, especially under extreme wind loading or wind and rain, identifying trees with observable defects is a critical step in enhancing safety.
- Trees are dynamic, living entities that change over time. My assessment of the tree(s) is based on their condition at the time of my inspection. Trees should be inspected annually to monitor for changes in health and structure and following storms. Initiating these inspections is the tree owner/manager's responsibility.
- Trees require management to perform well in a giving setting. Periodic pruning, mulching, pest management and irrigation are typically required.
- Any legal description provided to the consultant is assumed to be correct.
- Care has been taken to obtain all information from reliable sources; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
- Sketches, drawings, and photographs in this report are intended for visual aids. They are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise.
- Information contained in this report covers only those items that were examined and reflects the conditions of those items at the time of inspection.
- The inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring.



Notes:

- Map is not to scale
- Base map provided by BKF Engineers, San Jose CA
- Numbered tree locations are approximate
- **X** = Trees identified for removal

Tree Location Map #1

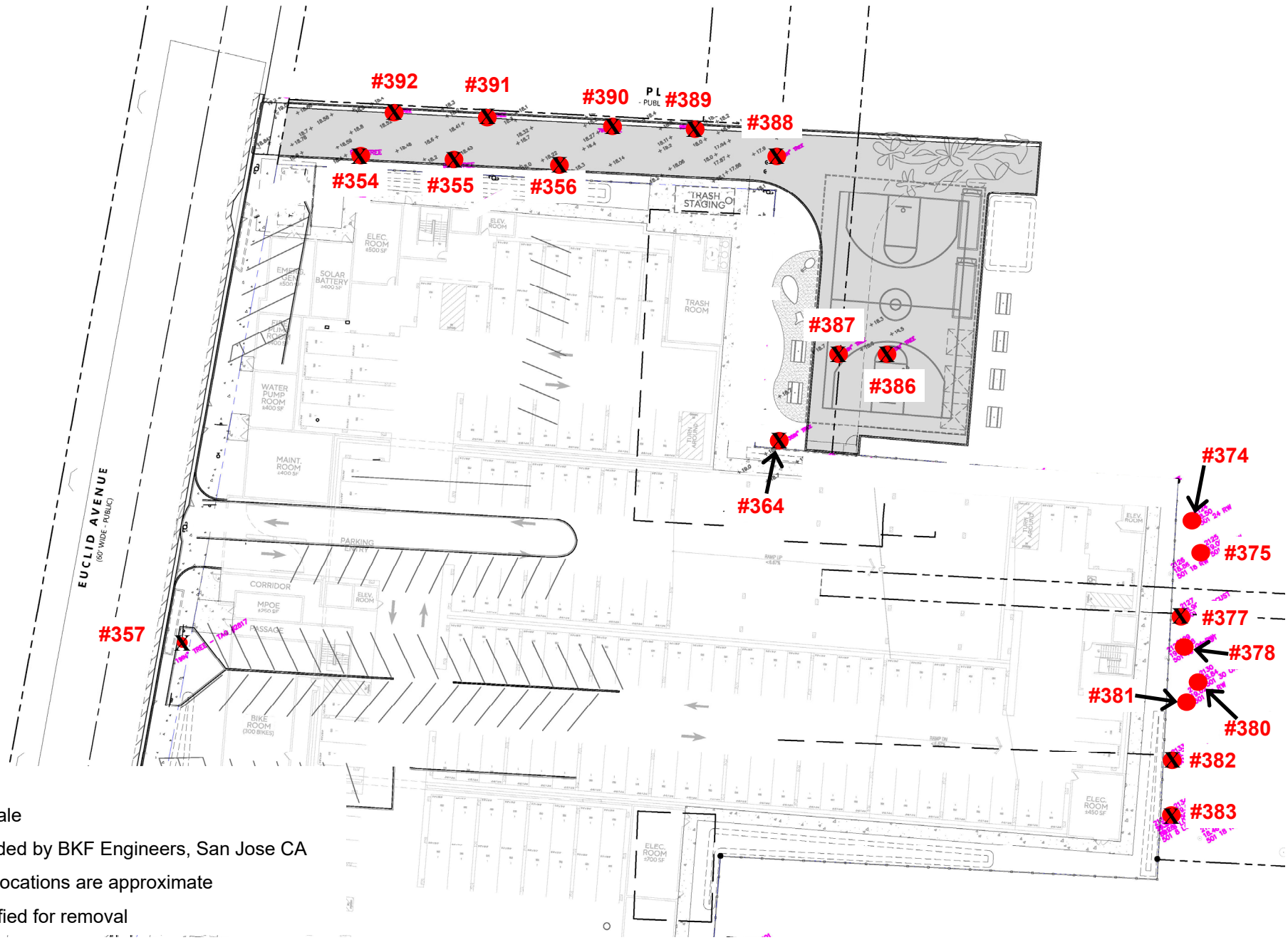
City Trees
2120-2160 Euclid Ave.
East Palo Alto, CA

Prepared for:

Pacific West Communities, Inc.
East Palo Alto, CA

March 2026

WOODREEVE CONSULTING
5627 Telegraph Ave., Suite #385
Oakland, CA 94609—(510) 387-5241



Notes:

- Map is not to scale
- Base map provided by BKF Engineers, San Jose CA
- Numbered tree locations are approximate
- **X** = Trees identified for removal

Tree Location Map #2

City Trees
2120-2160 Euclid Ave.
East Palo Alto, CA

Prepared for:

Pacific West Communities, Inc.
East Palo Alto, CA

March 2026

WOODREEVE CONSULTING
5627 Telegraph Ave., Suite #385
Oakland, CA 94609—(510) 387-5241

WOODREEVE CONSULTING

June 8, 2026

Pacific West Communities, Inc.
430 E. State Street, Suite 100
Eagle, ID 83616

Subject: **Arborist Report Addendum**
Euclid Ave., East Palo Alto CA

Pacific West Communities, Inc. is proposing to redevelop the site located at 2120-2160 Euclid Ave., in East Palo Alto CA. Woodreeve Consulting prepared an **Arborist Report** for the project dated March 2026. The City of East Palo Alto requested I prepare a brief addendum to the **Arborist Report** identifying impacts to the City's trees. This letter responds to that request.

Off-site Trees
Trees were assessed on March 3 and 16, 2026. All trees measuring ≥6" in diameter were included in the survey.

A total of 72 trees were assessed, including 28 off-site trees (354-356, 364, 374, 375, 377, 378, 380-383 and 386-400) and street trees #329 and 357. However, only 19 of the off-site trees (and both street trees) were on City property, including #329, 354-357, 364, 374, 375, 377, 378, 380-383 and 386-392.

Data on individual trees is provided in the ***Tree Data*** sheet and approximate locations are represented on the ***Tree Location Maps*** (Exhibits).

The following provides a breakdown of the location of the City's trees:

- Trees #329 and 357 were located within the City right-of-way along Euclid Ave.
- Trees #354-356 and 389-392 were located on either side of the pedestrian path leading from Euclid Ave. to Bell Park.
- Trees #364, 374, 375, 377, 378, 380-383 and 386-388 were growing in Bell Park, adjacent to the proposed project site.

Based on my review of the latest grading plan, 16 of the City's trees would be directly impacted by the proposed changes, requiring their removal. This includes street trees #329 and 357, and 12 trees along the pedestrian path to Bell Park and within Bell Park (#354-357, 364, 377, 382, 383 and 386-392). These trees are identified on the ***Tree Location Maps*** with an '**X**' (Exhibits).

Please let me know if you have any questions regarding my observation and recommendations.

Woodreeve Consulting

John Leffingwell
Board Certified Master Arborist #WE-3966B
Registered Consulting Arborist #442

Kamangar Consulting, LLC
171 Main Street #122, Los Altos, CA 94022
EIN #86-3869083

June 10, 2026

Alvin Jen
Planning Division
City of East Palo Alto
1960 Tate Street
East Palo Alto, CA 94303

RE: Entitlement Application #DR24-002 for 430-unit Mixed-Use Affordable Project at 2120-2160 Euclid Ave. East Palo Alto, CA

Dear Alvin,

On behalf of our client, Pacific West Communities, Inc. ("PWC"), this letter serves as a brief summary of the referenced affordable housing proposal, including the State Density Bonus Law application, along with statutory waivers, incentives and concessions.

Our application is for Design Review permit and a subdivision using a Vesting Tentative Parcel Map, and associated CEQA clearance. The proposal is a unique collaboration with the Ravenswood City School District who owns the 4.09 acre parcel of land and will groundlease it for PWC to construct 430 new rental homes, in two buildings, all of which are affordable at or below 80% of the Area Median Income ("AMI") and targeted for school teachers, staff, and residents in East Palo Alto and the area. The proposal offers several benefits, including:

- 100% affordable housing in a highly sustainable form using modular
- 430 new affordable rental units to help the City of East Palo Alto meet its State-mandated housing goals
- Providing a much needed, affordably priced housing option for both existing and prospective residents
- Offering workforce housing at a wide range of income levels, from 30% to 80% AMI
- Housing within walking distance of one of the City's main transit corridors along University Avenue, offering transit connections to jobs and services and reducing reliance on automobiles for everyday errands
- Furthering the City's Inclusionary Housing Ordinance goals
- Reducing commute times, burn-out and turnover for teachers and staff who may choose to relocate here
- Providing the School District with added funding through the groundlease
- Infrastructure upgrades for the area
- Undergrounding overhead electrical lines along the property's Euclid Avenue frontage, delivering more reliable electric service to neighboring homes

The property already has a General Plan Land Use and Zoning Designation of Mixed-Use High which permits 86 dwelling units per acre which allows 352 new homes on the property as its base density. In order to deliver 430 affordable homes, the project relies on the State Density Bonus Law for a 22% bonus in density which entitles the project to four Incentives/Concessions and unlimited waivers. While applicant reserves the right to add to this list additional items that may be discovered during the entitlement process, the attached table summarizes the four waivers and the four incentives/concessions:

Four Waivers

- Floor Area Ratio ("FAR") – The code allows 2.5 FAR whereas the project has an FAR of 3.44 for Parcel 1 and 3.81 for Parcel 2, with a blended total FAR of 3.64. The added FAR is needed in order to accommodate the 430 units and the higher density the project is entitled to under the Density Bonus Law.
- Front Setback – The code requires a maximum 10' setback along the property frontage. Given the angled approach to Euclid Avenue, the front building setback varies, and at its largest, the project exceeds this and has a front setback of 22'1". The larger setback is needed in order to deliver the chosen rectangular building format.
- Private Open Space – The code requires 50 square feet of private open space per unit, which would total 22,000 square feet in total. The project delivers 13,161 square feet of private open space in total to deliver the density the project is entitled to.
- Long-Term Bike Parking – The code requirement for long-term bicycle parking is 1 space/unit. While Building B meets this requirement, Building A has 112 spaces versus the code required 220 bicycle spaces. The project seeks a waiver for this as added space dedicated to bicycle parking would reduce the area dedicated to housing units in the project and the density the project is entitled to.

Four Incentives/Concessions

- Ground Floor Retail – The code requires 35% of the groundfloor area in mixed-use buildings be programmed for commercial retail. The project seeks a concession as it delivers 2,000 square feet in Building A. The concession is needed as added retail square footage not only increases project costs but also reduces the buildable area and therefore density the project is entitled to under the Density Bonus Law.
- Development Pattern & Massing – The code requires multifamily buildings to be compatible in size with existing buildings and the neighborhood scale. Although the property has no adjacent residential uses to the north, east, or south, single-family homes are located across Euclid Avenue. To reduce the appearance of massing, the top floor has been stepped back. The project seeks an Incentive/Concession because reducing building height would reduce the affordable units the project is entitled to and underground garage is cost prohibitive, making project infeasible.

- Parking – Per State Density Bonus Law, the project would require a total of 502 residential parking spaces, whereas the project provides 430 spaces, or a 1:1 ratio. Providing the additional 72 spaces in Type I construction would significantly increase project costs and create additional financing risk for this affordable housing project; accordingly, the project seeks a Density Bonus Law concession for this item.
- Inclusionary Housing Ordinance – The proposal exceeds the City's IHO requirements in the 35% and 65% AMI categories but is short in the 50% AMI category (delivers 3 units vs. 35 required). The proposal delivers 430 new housing units, all of which are affordable at or below 80% AMI, and 80% of which are at or below 60% AMI. The Incentive/Concession is needed as subsidizing an additional 32 units at the 50% AMI level in the project would result in significant added cost to an already highly subsidized 100% affordable housing project.

The project's proposed unit mix and AMI levels, including the 78 units from the Sandhill project that are contemplated to be added to the subject project, are detailed in the enclosed matrix. The table below summarizes the currently contemplated mix, subject to refinement prior to financing:

Proposed Mix	Sandhill Development IHO units	Euclid Project IHO units	TOTAL Affordable units delivered thru Euclid Project
30% AMI or below	**20**	**25**	**45**
50% AMI or below	**39**	**3**	**42**
60% AMI or below	**19**	**238**	**257**
80% AMI or below	**--**	**86**	**86**
	78	***352***	
Total Units Provided at or below 60% AMI		**344**	**80%**
Total Units Provided at or below 80% AMI		**430**	**100%**

We look forward to continuing our collaboration with you and other City staff members to bring this affordable housing proposal forward for approval. Please reach out with any questions at katkamangar@gmail.com

Sincerely,

Katia Kamangar

Katia Kamangar
Kamangar Consulting, LLC

Cc: Caleb Roope – Pacific West Communities, Inc.
Will Eger and Gina Sudaria – Ravenswood City School District
Lauren Alexander

2120-2160 Euclid Avenue, East Palo Alto Inclusionary Housing Proposal - DRAFT

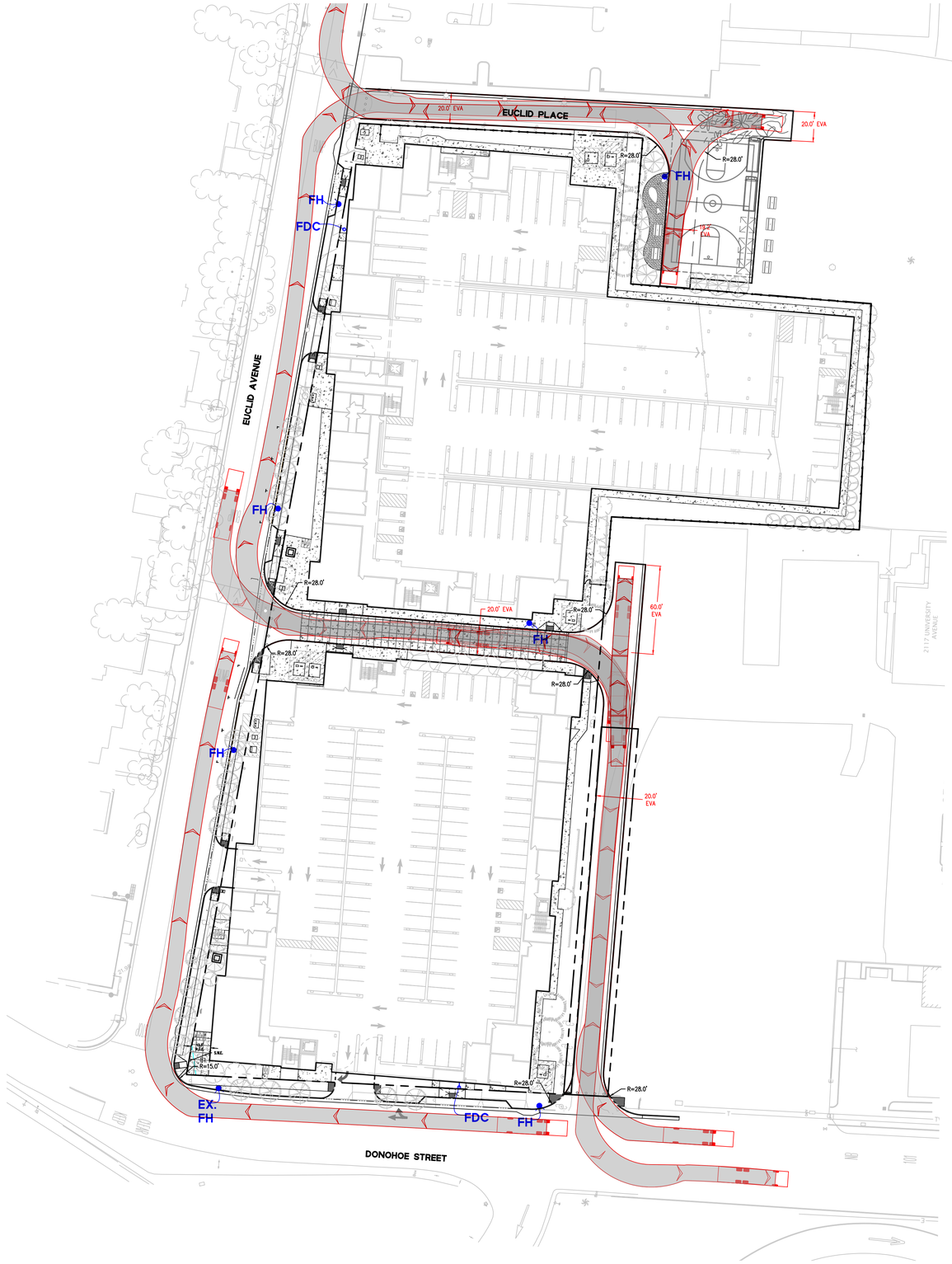
Total Project Units:	430			
City IHO Requirement:	20% on-site; breaking down as			
	35% AMI or below	5%		
	50% AMI or below	10%		
	60% AMI or below	5%		

Total Project Units	430
IHO Units Allocated to Sandhill Development	78
Total Project Units to which IHO applies (4.09 acres x 86 dua permitted density)	***352***

Sandhill Development IHO units to be delivered in Euclid Project (AMI and unit mix per their DA)	**78**			**# of IHO units**
	25% at 35% AMI	25%	19.5	**20**
	50% at 50%AMI	50%	39.0	**39**
	25% at 60% AMI	25%	19.5	**19**
			total =	***78***

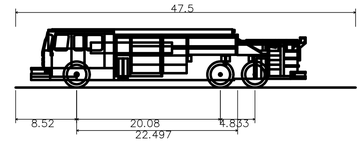
Euclid Project - City IHO code requirement	**71**			**# of IHO units**
	35% AMI or below	5%	17.587	**18**
	50% AMI or below	10%	35.174	**35**
	60% AMI or below	5%	17.587	**18**
			total =	***71***

Proposed Unit Mix delivered in Euclid Project through use of State Density Bonus Concession for the 50% AMI component of City IHO*	**430**	**Sandhill Development IHO units**	**Euclid Project IHO units**	**TOTAL Affordable units delivered thru Euclid Project**
**exact mix subject to refinement prior to financing*	30% AMI or below	**20**	**25**	**45**
	50% AMI or below	**39**	**3**	**42**
	60% AMI or below	**19**	**238**	**257**
	80% AMI or below	**--**	**86**	**86**
		78	***352***	
	Total Units Provided at or below 60% AMI		**344**	**80%**
	Total Units Provided at or below 80% AMI		**430**	



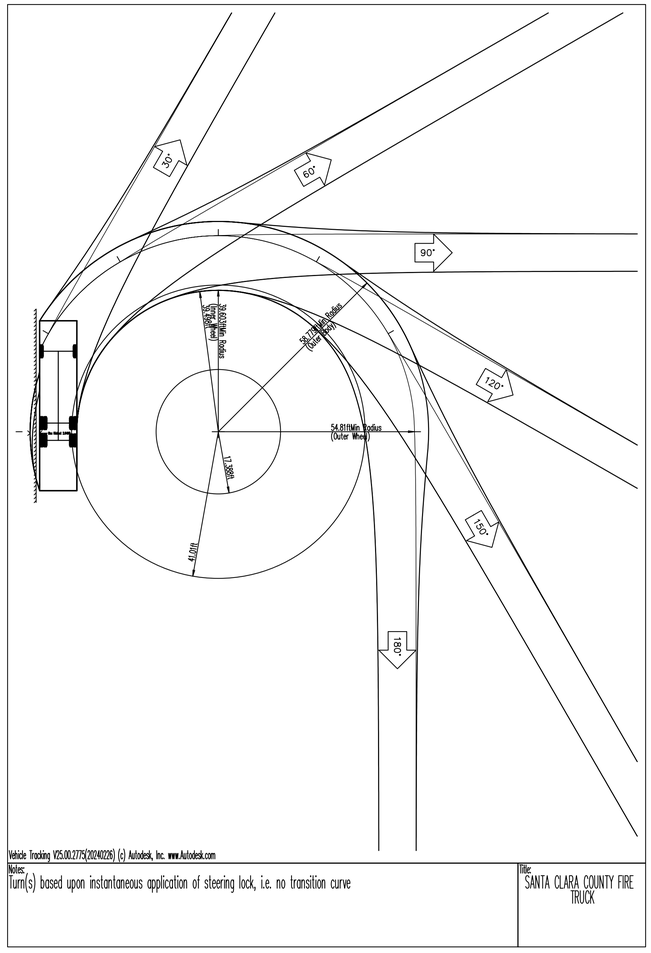
LEGEND

PROPERTY LINE	
NEW FIRE HYDRANT	FDC
FIRE DEPARTMENT CONNECTION (FDC)	FH



SANTA CLARA COUNTY FIRE TRUCK

Overall Length	47.500ft
Overall Width	10.400ft
Overall Body Height	8.135ft
Min Body Ground Clearance	1.047ft
Track Width	10.400ft
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	26.70°



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PLOT DATE: 06-10-26 PLOTTED BY: khofstetter

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

FIRE CIRCULATION PLAN

1"=40'
0 40' 80' 120' 160'

BKF
160 W. SANTA CLARA STREET
SUITE 800
SAN JOSE, CA 95113
(408) 467-9100
www.bkf.com

TM-8.0

JOB NO. 20231634
DATE: 06-10-2026

CALLOUT LEGEND

STRUCTURE NO.
ELECTRIC — E 1 — PB 3'x5'
CATV — C 1 — HH 30"x48" — STRUCTURE TYPE
TELEPHONE — T 2 — PB 2'x3' — STRUCTURE SIZE
ELECTRIC STRUCTURE IS EXISTING — E EX — PAD 72"x94"
GAS — G 1-X" XX' "1" TO SVCS — CONDUIT QTY. / LENGTH / CONDUIT PATH (STRUC. TO STRUC.)

* NOTE TO CONTRACTOR:
CAP FOR UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE LOCATIONS OF THE EXISTING UTILITY TRENCH, VERIFY EXACT LOCATION PRIOR TO BIDDING

** ELECTRIC SERVICE NOTE:
CUSTOMER OWNED, INSTALLED & MAINTAINED SERVICE WIRE & CONDUIT (INSTALLED BY GC) - DISCONNECT & PANEL AT BUILDING PER ELECTRICAL ENGINEER (PER NEC)

LEGEND

- PG&E #7 (4'6" x 8'6") PRIMARY ENCLOSURE
- PG&E PAD (50" x 52") DF-LB
- PG&E #2E (17"x 30" x 26")
- PG&E #3 (24"x 36")
- PG&E PMI-9
- PG&E IIEP (90"x 106")
- PG&E ELECTRIC PRIMARY TRENCH
- PG&E ELECTRIC SERVICE TRENCH
- EXISTING OH ELECTRIC
- EXISTING OH TEL WIRE

1956
utility design
1211 Puerta Del Sol, Ste. 270
San Clemente, CA 92673
Phone: 949.582.2755

2120 - 2160 EUCLID AVENUE

EUCLID AVE & DONOHOE ST - EAST PALO ALTO, CA, 94303

Conceptual Utility Exhibit

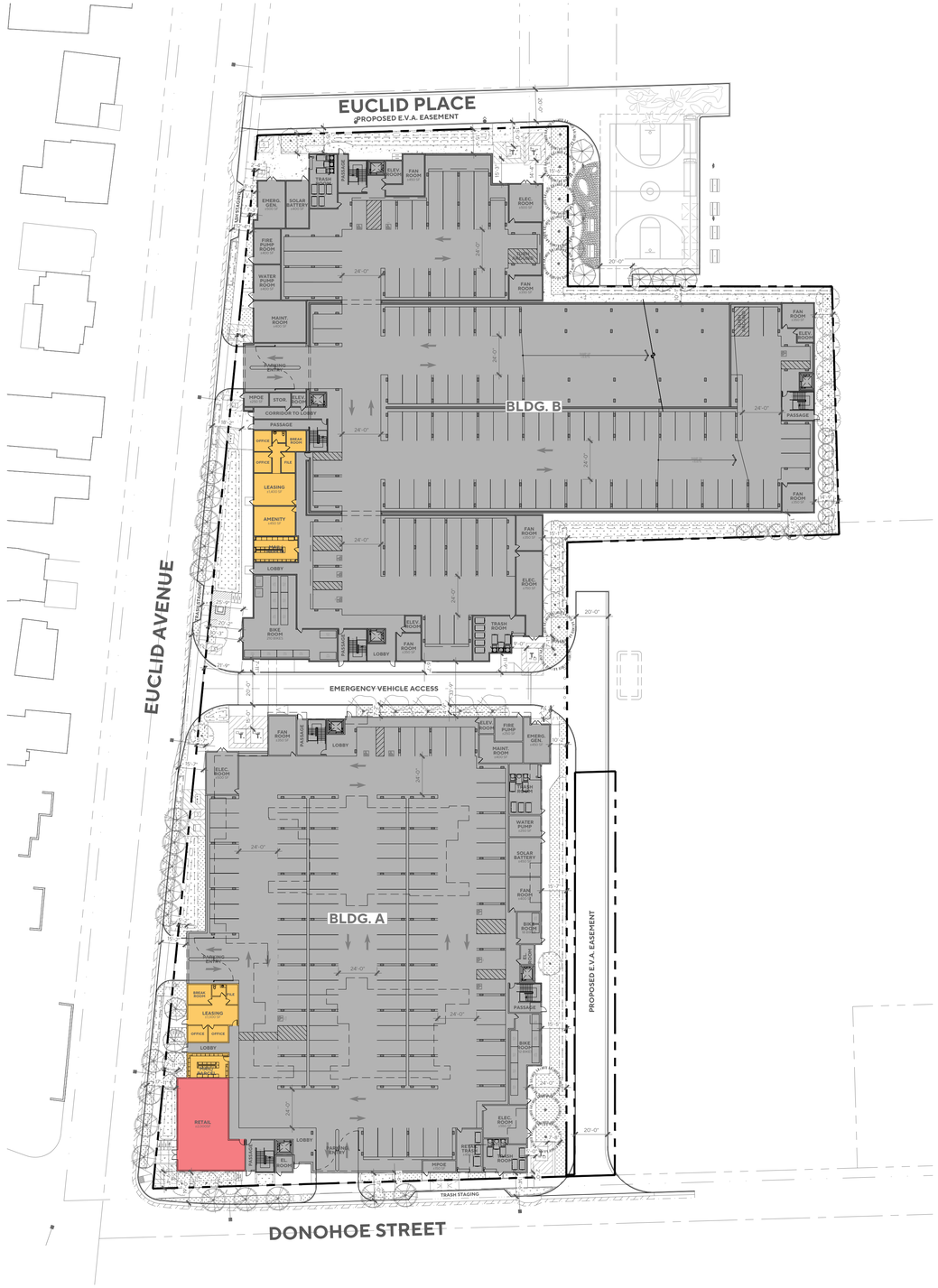
REVISIONS

No.	Date	Description
1	4/22/26	The conceptual linework has been added to our DU exhibit.
2	4/28/26	The Demo layer has been removed from the DU-Exhibit.
3	5/11/26	The LW has been updated per redlines & comments.
4	5/29/26	The Building-A & Building-B footprints have been updated.
5	6/01/26	The LW has been updated per redline & comments.
6	6/10/26	The DU-Exhibit has been updated per comments.

FOR DESIGN STUDY ONLY
NOT FOR CONSTRUCTION

These drawings are the sole property of E4 Utility Design. Downloading, copying, use, and/or sale of these documents without the permission of E4 Utility Design is prohibited.

DRAWN BY:	E4 DESIGN - O.B.
PROJECT NUMBER:	PAC150
DATE:	06-10-2026
PROJECT MANAGER:	JULIE DUNCAN
SHEET:	DU-1

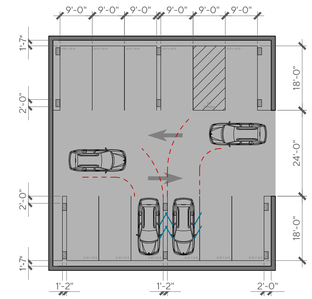


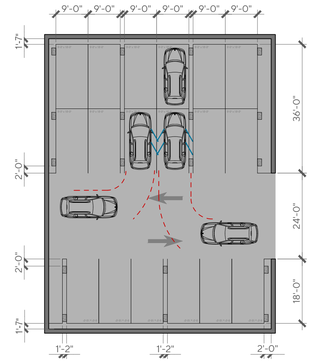
LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- PARKING CIRCULATION

PARKING DESIGN STANDARDS

SCALE: 1" = 20'





PARKING DIMENSIONS PER §18.60.090
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
DRIVE AISLE WIDTH – 24'-0"

PARKING DIMENSIONS PROVIDED
90° TWO-WAY DRIVE AISLE
STANDARD STALL – 9'-0" X 18'-0"
TANDEM STALL – 9'-0" X 36'-0"
DRIVE AISLE WIDTH – 24'-0"

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

SITE PLAN

NORTH

0 40 80 120 160

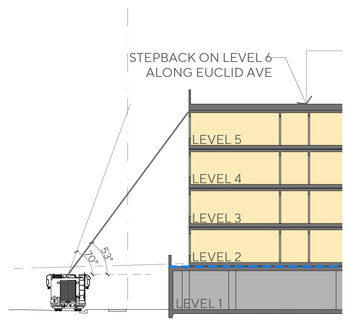
1"=40'

AO

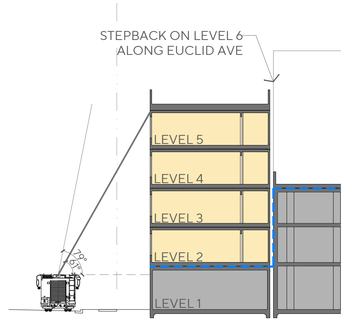
A1.0

JOB NO. 2025-1061
DATE 06-10-2026

FIRE AERIAL LADDER ACCESS ON EUCLID AVENUE

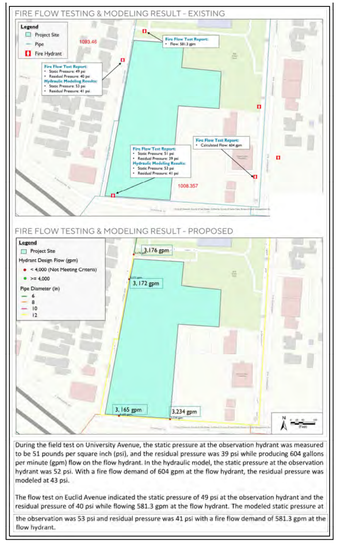


SECTION A - BUILDING A
SCALE - 1"=20'



SECTION B - BUILDING B
SCALE - 1"=20'

FIRE FLOW SUMMARY



During the field test on University Avenue, the static pressure at the observation hydrant was measured to be 51 pounds per square inch (psi), and the residual pressure was 39 psi while producing 604 gallons per minute (gpm) flow on the flow hydrant. In the hydraulic model, the static pressure at the observation hydrant was 52 psi. With a fire flow demand of 604 gpm at the flow hydrant, the residual pressure was modeled at 43 psi.

The flow test on Euclid Avenue indicated the static pressure of 49 psi at the observation hydrant and the residual pressure of 40 psi while flowing 581.3 gpm at the flow hydrant. The modeled static pressure at the observation was 53 psi and residual pressure was 41 psi with a fire flow demand of 581.3 gpm at the flow hydrant.

BUILDING AREA (BUILDING A)	
TOTAL AREA TYPE I	60,443 SQ. FT. (21%)
TOTAL AREA TYPE III-A	221,594 SQ. FT. (79%)
PROJECT TOTAL:	282,037 SQ. FT.

FIRE-FLOW REQUIREMENT (BUILDING A)	
FIRE-FLOW CALCULATION AREA:	282,037 FT²
FIRE FLOW DEMAND (TYPE I):	6,000 GPM
FIRE FLOW DEMAND (TYPE III-A):	6,000 GPM
ADJUSTED FIRE FLOW DEMAND TYPE I:	1,260 GPM
ADJUSTED FIRE FLOW DEMAND TYPE III-A:	4,740 GPM
TOTAL FIRE FLOW DEMAND:	6,000 GPM
50% REDUCTION PER CFC TABLE B105.2:	(-3,000 GPM)
REQUIRED FIRE FLOW DEMAND:	**3,000 GPM**
MINIMUM REQUIRED FLOW DURATION:	3 HOURS

BUILDING AREA (BUILDING B)	
TOTAL AREA TYPE I	159,666 SQ. FT. (41%)
TOTAL AREA TYPE III-A	223,946 SQ. FT. (59%)
PROJECT TOTAL:	383,612 SQ. FT.

FIRE-FLOW REQUIREMENT (BUILDING B)	
FIRE-FLOW CALCULATION AREA:	383,612 FT²
FIRE FLOW DEMAND (TYPE I):	6,000 GPM
FIRE FLOW DEMAND (TYPE III-A):	6,000 GPM
ADJUSTED FIRE FLOW DEMAND TYPE I:	2,460 GPM
ADJUSTED FIRE FLOW DEMAND TYPE III-A:	3,540 GPM
TOTAL FIRE FLOW DEMAND:	6,000 GPM
50% REDUCTION PER CFC TABLE B105.2:	(-3,000 GPM)
REQUIRED FIRE FLOW DEMAND:	**3,000 GPM**
MINIMUM REQUIRED FLOW DURATION:	3 HOURS

REQUIRED NUMBER & SPACING OF HYDRANTS	
REQUIRED FIRE FLOW:	3,000 GPM
MIN # OF HYDRANTS (PER CFC TABLE C102.1):	3
REQUIRED AVERAGE PER CFC TABLE C102.1:	400 FT.
ACTUAL AVERAGE HYDRANT SPACING:	**275 FT.**
REQUIRED MAX. DISTANCE PER CFC TABLE C102.1:	225 FT.

UNDERGROUND NOTE
ALL UNDERGROUND PIPING IS BY OTHERS AND IS SHOWN FOR HYDRAULIC REFERENCE ONLY. SEE ARCHITECTURAL & UTILITY DRAWINGS.

LEGEND

- TYPE I-A CONSTRUCTION
- TYPE III-A CONSTRUCTION
- 20'-WIDE E.V.A. CAPABLE OF SUPPORTING A 75,000 lbs FIRE APPARATUS W/ ALL WEATHER SURFACE
- 26'- WIDE FIRE ACCESS LANE
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- FIRE AERIAL LADDER ACCESS
- FIRE WALL SEPARATION
- 150' MAX. FIRE HOSE PULL
- EXISTING HYDRANT
- PROPOSED HYDRANT
- PROPOSED FDC CONNECTION
- STANDPIPE LOCATION
- K — KNOX BOX
- FIRE APPARATUS
- FIRE APPARATUS W/ OUTRIGGERS

NOTE: ALL EXISTING SPEED BUMPS LOCATED ALONG EUCLID AVE TO BE REMOVED, INCLUDING THOSE FRONTING SUBJECT PROJECT AND THOSE SPEED BUMPS NOT FRONTING SUBJECT PROJECT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

FIRE ACCESS PLAN

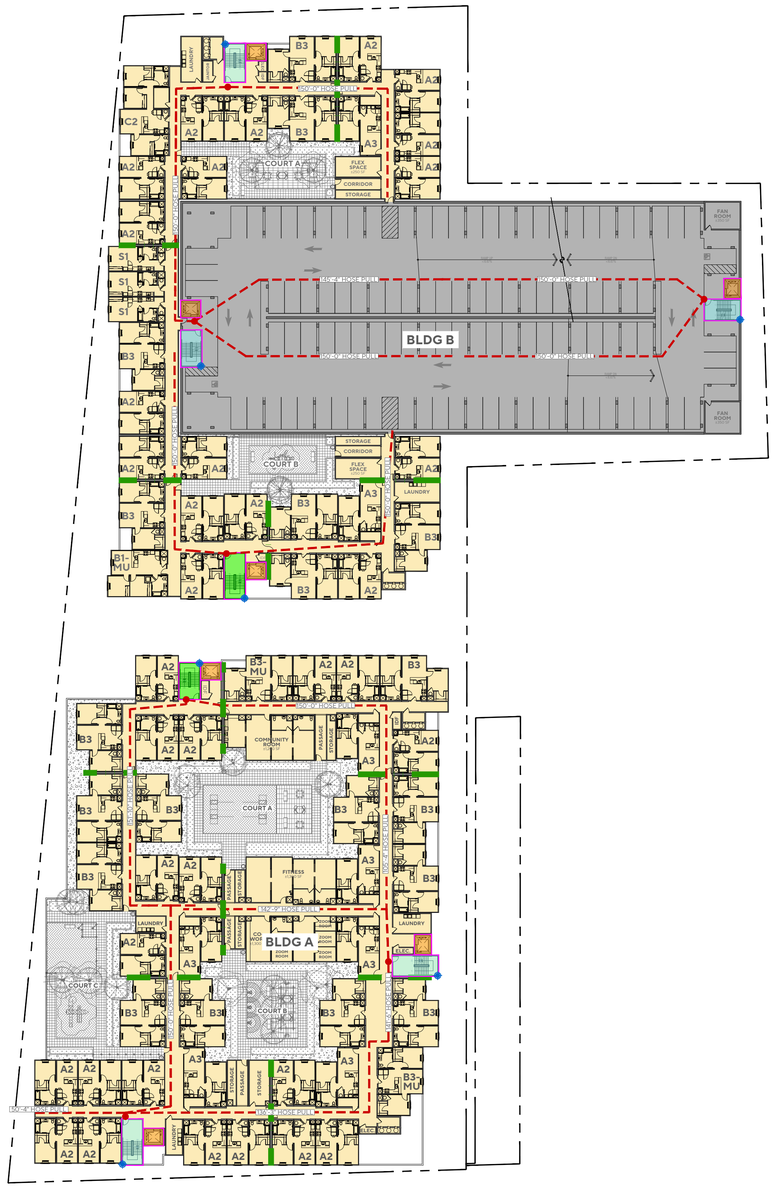
NORTH

0 40' 80' 120' 160' 1"=40'

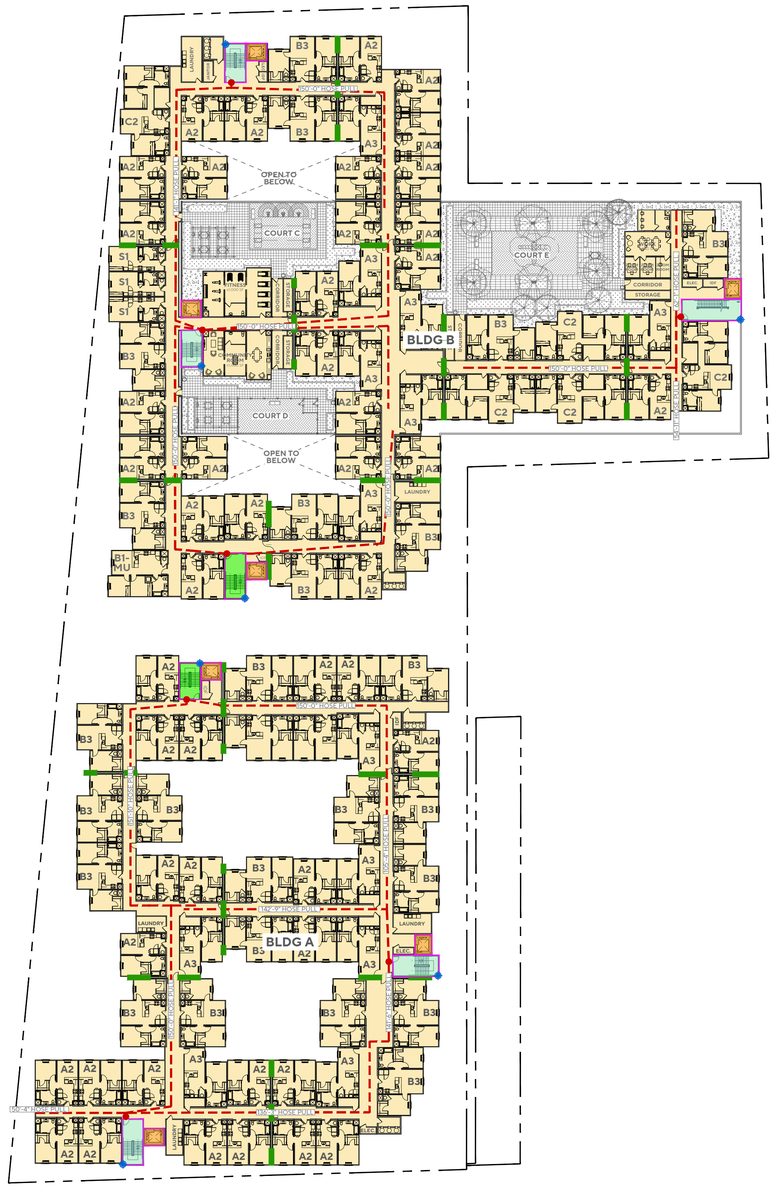
AO

A1.1

JOB NO. 2025-1061
DATE 06-10-2026



LEVELS 2-3



LEVEL 4

LEGEND

- TYPE I-A CONSTRUCTION
- TYPE III-A CONSTRUCTION
- 20'-WIDE E.V.A.
  CAPABLE OF SUPPORTING A 75,000 lbs FIRE APPARATUS W/ ALL WEATHER SURFACE
- 26'- WIDE FIRE ACCESS LANE
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- FIRE AERIAL LADDER ACCESS
- FIRE WALL SEPARATION
- 150' MAX. FIRE HOSE PULL
- EXISTING HYDRANT
- PROPOSED HYDRANT
- PROPOSED FDC CONNECTION
- STANDPIPE LOCATION
- K — KNOX BOX
- FIRE APPARATUS
- FIRE APPARATUS W/ OUTRIGGERS

NOTE: ALL EXISTING SPEED BUMPS LOCATED ALONG EUCLID AVE TO BE REMOVED, INCLUDING THOSE FRONTING SUBJECT PROJECT AND THOSE SPEED BUMPS NOT FRONTING SUBJECT PROJECT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

FIRE ACCESS PLAN
LEVELS 2-4

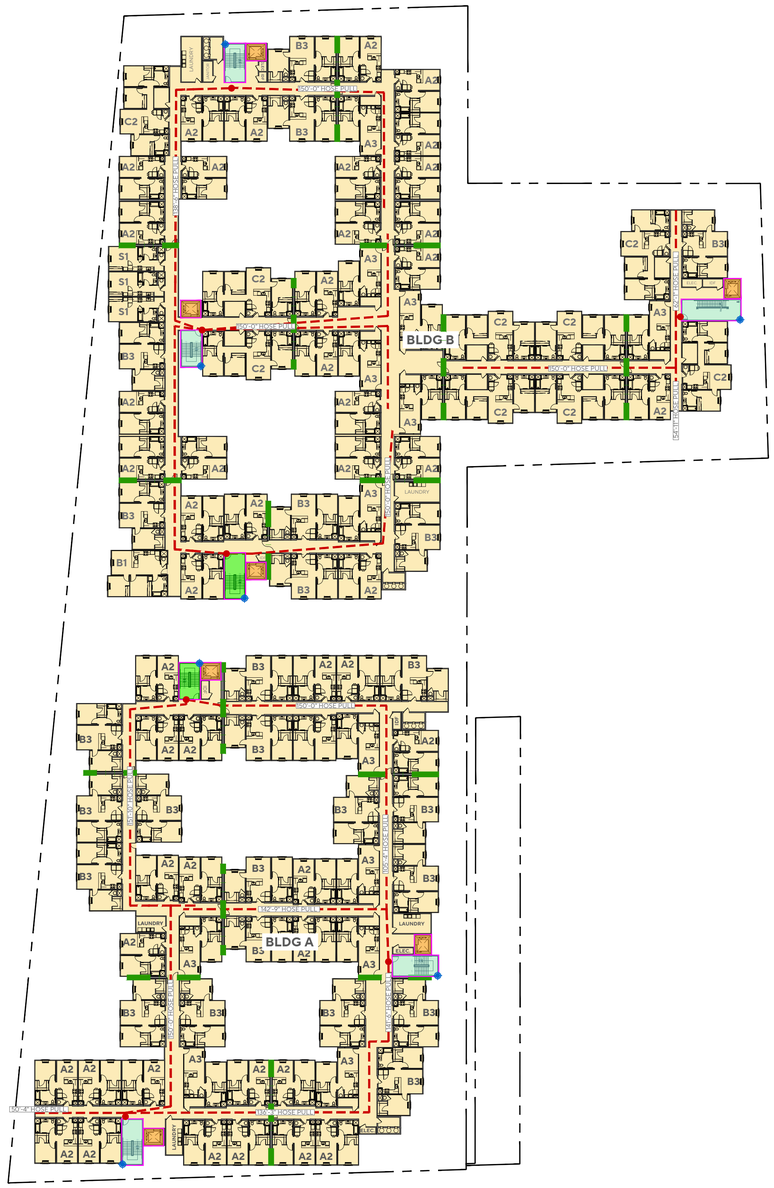
NORTH

1"=40'
0 40' 80' 120' 160'

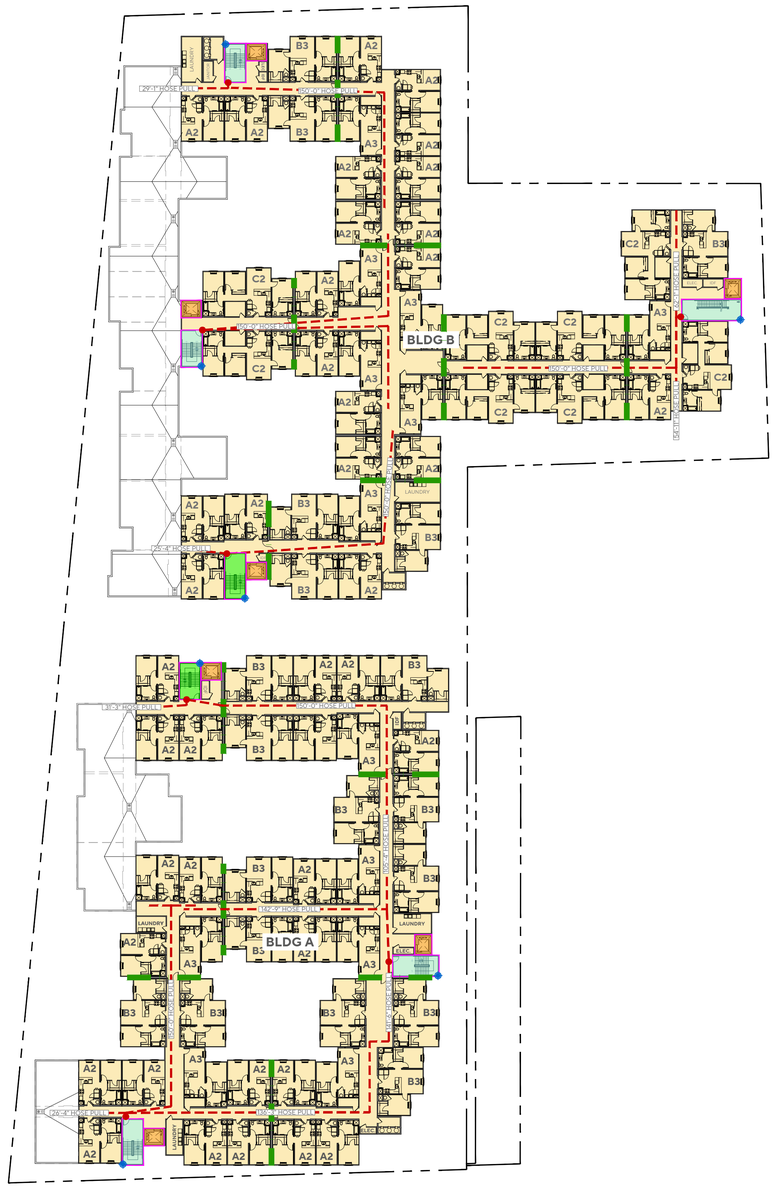
AO

A1.2

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 5



LEVEL 6

LEGEND

- TYPE I-A CONSTRUCTION
- TYPE III-A CONSTRUCTION
- 20'-WIDE E.V.A.
  CAPABLE OF SUPPORTING A 75,000 lbs FIRE APPARATUS W/ ALL WEATHER SURFACE
- 26'- WIDE FIRE ACCESS LANE
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- FIRE AERIAL LADDER ACCESS
- FIRE WALL SEPARATION
- 150' MAX. FIRE HOSE PULL
- EXISTING HYDRANT
- PROPOSED HYDRANT
- PROPOSED FDC CONNECTION
- STANDPIPE LOCATION
- K — KNOX BOX
- FIRE APPARATUS
- FIRE APPARATUS W/ OUTRIGGERS

NOTE: ALL EXISTING SPEED BUMPS LOCATED ALONG EUCLID AVE TO BE REMOVED, INCLUDING THOSE FRONTING SUBJECT PROJECT AND THOSE SPEED BUMPS NOT FRONTING SUBJECT PROJECT.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

FIRE ACCESS PLAN
LEVELS 5 & 6

NORTH

1"=40'
0 40' 80' 120' 160'

AO

A1.3

JOB NO. 2025-1061
DATE 06-10-2026

Alternate Means (AMMR) Application

FRM-002
Date: 1/1/17
Mod:12/6/24

Approved
by:GES

INSTRUCTIONS TO APPLICANT: Fill out this application as completely as possible. Incomplete applications, including signatures, will be rejected. See the appropriate code sections below for further info.

☐ **REQUEST FOR MODIFICATION OF CODE (CFC 104.8)**

☐ **REQUEST FOR ALTERNATE MATERIAL OR METHOD OF CONSTRUCTION (CFC 104.9)**

1	JOB ADDRESS	2120-2160 Euclid Ave.		APN	063-292-380	
	OWNER			LOT	BLOCK	
	ADDRESS	Ravenswood City School District, William Eger	PERMIT #	MPR24-0310R1	CONSTRUCT TYPE	IIIA over I-A
	ADDRESS	2160 Euclid Avenue, East Palo Alto, CA 94303			STORIES	5 to 6
	PHONE	(650) 329-2800 x.6101	PA #		OCCUPANCY CLASS	
	PETITIONER	Pye-Barker Fire Safety / Craig Spicer			OCC LOAD	
	ADDRESS	500 Boulder Court, Suite A	CITY		ZIP	94303
	ADDRESS	Pleasanton, CA 94566			# of UNITS	430
	PHONE	(949) 209-0586	USE(S) OF BLDG		residential w/2,000sf groundfloor retail	

2 **Code section needing alternate/modification:** 2025 CFC 503.1.1 and Appendix B105.2

3 **REQUEST:** *Submit plans if necessary to illustrate request. Additional sheets or data may be attached:*

To mitigate the lack of 150 ft. fire access around the site, we are proposing to add a wet standpipe with (2) 2-1/2" fire hose valves within the rated exit stair on the backside of Building B where the 139 ft. hose pull deficiency is located.

Alternate Means (AMMR) Application

FRM-002
Date: 1/1/17
Mod:12/6/24

Approved
by:GES

4 **JUSTIFICATION/FINDINGS OF EQUIVALENCY:** *Applicant shall demonstrate Suitability, Strength, Effectiveness, Fire resistance, Durability, and Safety of justification. PLEASE NOTE: Any alternate must provide for an equivalent level of protection as required by State Law. Equivalencies will be evaluated through the use of NFPA 550, or other nationally recognized standards, or engineering judgements.*

The addition of a wet standpipe inside the exit stair near the hose pull deficiency will provide a means for the fire department to connect a hose and pull to the backside of the project where there is a deficiency of approximately 139 ft.. This standpipe will tie into the building's manual wet standpipe system that can be charged from the fire department connection. In addition, the building will be fully-sprinklered throughout per CFC 903.3.1.1. CFC 905.1.1 exception (1), authorizes the fire code official to increase the hose pull distance from 150 ft. where the building is equipped with a 903.3.1.1 system. This section is not modified in the East Palo Alto Fire Code. The 139 ft. hose reach deficiency could be mitigated with an increase in allowable hose pull to 197 ft.. As shown on the included exhibit, a third hydrant located along University Ave. can be used in an emergency to pull hose through the park.

Attach additional sheets if necessary.

		For Office Use Only:
PETITIONER:	Craig Spicer	
SIGNATURE:	Craig Spicer (5/8/26 11:12 PDT)	REVIEWED BY:
DATE:	5/8/26	
POSITION:	Craig Spicer / Fire Sprinkler Design Manager	DATE:

AMMR Request - Hose Pull

Final Audit Report 2026-05-08

Created:	2026-05-08
By:	Katia Kamangar (katkamangar@gmail.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAlJDgdc7MZBsk2wbMtjQJy2wVTX67uLvy

"AMMR Request - Hose Pull" History

Document created by Katia Kamangar (katkamangar@gmail.com)
2026-05-08 - 4:03:35 PM GMT- IP address: 67.170.200.124

Document emailed to craig.spicer@pyebarkerfs.com for signature
2026-05-08 - 4:03:43 PM GMT

Email viewed by craig.spicer@pyebarkerfs.com
2026-05-08 - 4:12:09 PM GMT- IP address: 35.83.24.249

Signer craig.spicer@pyebarkerfs.com entered name at signing as Craig Spicer
2026-05-08 - 4:15:40 PM GMT- IP address: 50.96.239.110

Document e-signed by Craig Spicer (craig.spicer@pyebarkerfs.com)
Signature Date: 2026-05-08 - 4:15:42 PM GMT - Time Source: server- IP address: 50.96.239.110 - Signature Appearance Selected: TYPE

Agreement completed.
2026-05-08 - 4:15:42 PM GMT

Adobe Acrobat Sign

Alternate Means (AMMR) Application

FRM-002
Date: 1/1/17
Mod:12/6/24

Approved
by:GES

The Fire Marshal evaluated the proposal based on nationally recognized codes and standards, as well as recognized practices to ensure that the request is at least equivalent to the original code provisions.

DEPARTMENT ACTION: After determination, copies to: 1) applicant by mail, 2) attach copy to office plans, and 3) file copy to central filing system.

The Request is: GRANTED ☒ DENIED ☐

Reason for Denial:

CONDITIONS OF APPROVAL:

For Office Use Only	
No. of Items:	
Fee Due:	
Date Paid:	
Receipt No:	
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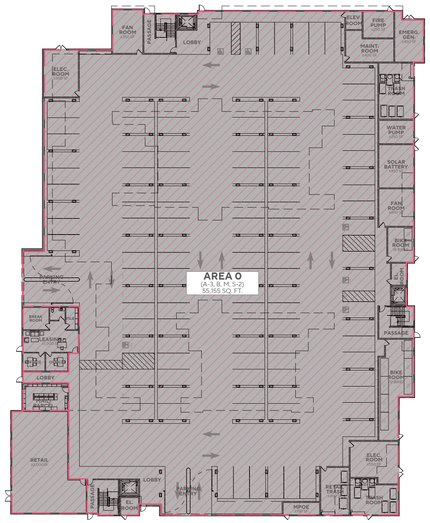
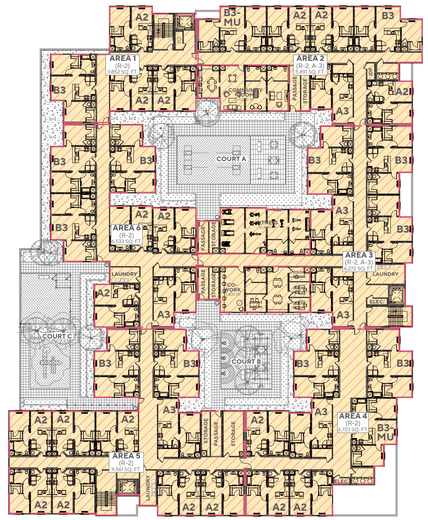
Fire Marshal Signature: DATE: 5/27/26



LEVEL 1



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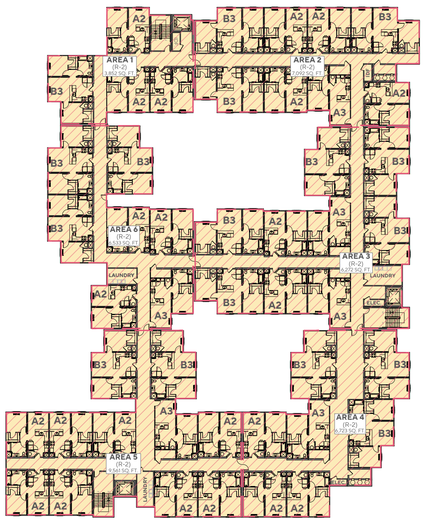

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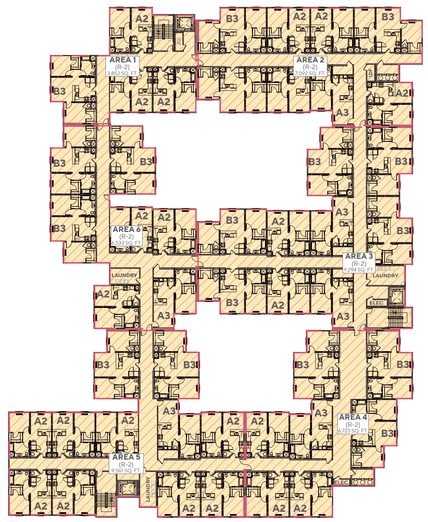


LEVEL 4

BUILDING A ALLOWABLE HEIGHT AND NUMBER OF STORIES

IN FEET ABOVE GRADE PLANE

BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL
RETAIL	TYPE I-A	M	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, M, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 -
NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM
B = LEASING
M = RETAIL
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	395 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - M	2,013 SQ. FT.
1ST STORY - S-2	55,155 SQ. FT.
TOTAL	58,654 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 4, 5, 6:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	3,852 SQ. FT.
3RD STORY	3,852 SQ. FT.
4TH STORY	3,852 SQ. FT.
5TH STORY	3,852 SQ. FT.
6TH STORY	2,697 SQ. FT.
TOTAL	18,105 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	6,723 SQ. FT.
3RD STORY	6,723 SQ. FT.
4TH STORY	6,723 SQ. FT.
5TH STORY	6,723 SQ. FT.
6TH STORY	6,723 SQ. FT.
TOTAL	33,615 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 5 ACTUAL AREA:

2ND STORY	9,561 SQ. FT.
3RD STORY	9,561 SQ. FT.
4TH STORY	9,561 SQ. FT.
5TH STORY	9,561 SQ. FT.
6TH STORY	8,180 SQ. FT.
TOTAL	46,424 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	6,533 SQ. FT.
3RD STORY	6,533 SQ. FT.
4TH STORY	6,533 SQ. FT.
5TH STORY	6,533 SQ. FT.
6TH STORY	3,329 SQ. FT.
TOTAL	29,461 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2, 3:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 2 : RATIOS PER STORY

2ND STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,200/14,000)+(5,891/24,000) <1
(0.08)+(0.25) <1
0.33 <1 **COMPLIES**

3TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(7,092/24,000) <1
0.29 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.33)+(0.29)+(0.29)+(0.29)+(0.29) <2
1.49 <2 **COMPLIES**

AREA 3 : RATIOS PER STORY

2ND STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(3,022/14,000)+(6,272/24,000) <1
(0.21) + (0.25) <1
0.46 <1 **COMPLIES**

3TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(9,294/24,000) <1
0.38 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.46)+(0.38)+(0.38)+(0.38) <2
1.98 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

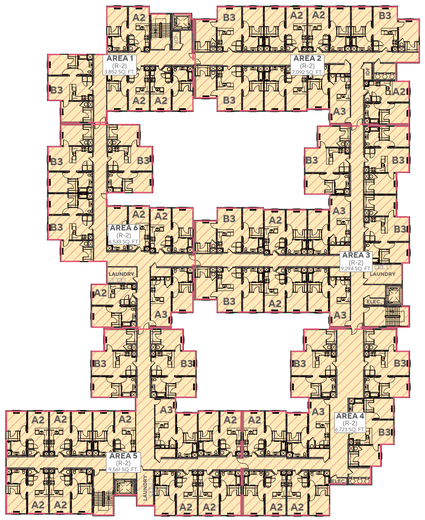
BUILDING A
ALLOWABLE FIRE AREA

NORTH

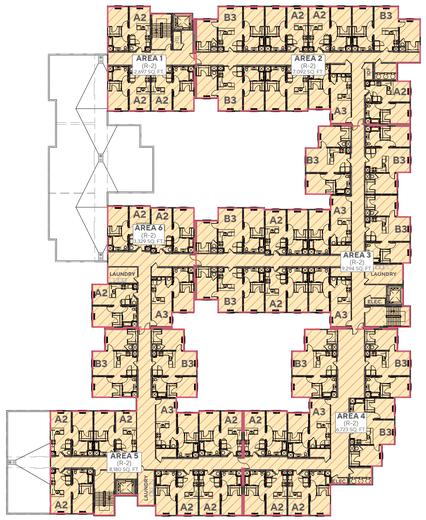
1"=40'
0 40' 80' 120' 160'

A1.5

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 5



LEVEL 6

BUILDING A ALLOWABLE HEIGHT AND NUMBER OF STORIES							
IN FEET ABOVE GRADE PLANE							
BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL
RETAIL	TYPE I-A	M	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, M, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 - NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM
B = LEASING
M = RETAIL
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	395 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - M	2,013 SQ. FT.
1ST STORY - S-2	55,155 SQ. FT.
TOTAL	58,654 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 4, 5, 6:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	3,852 SQ. FT.
3RD STORY	3,852 SQ. FT.
4TH STORY	3,852 SQ. FT.
5TH STORY	3,852 SQ. FT.
6TH STORY	2,697 SQ. FT.
TOTAL	18,105 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	6,723 SQ. FT.
3RD STORY	6,723 SQ. FT.
4TH STORY	6,723 SQ. FT.
5TH STORY	6,723 SQ. FT.
6TH STORY	6,723 SQ. FT.
TOTAL	33,615 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 5 ACTUAL AREA:

2ND STORY	9,561 SQ. FT.
3RD STORY	9,561 SQ. FT.
4TH STORY	9,561 SQ. FT.
5TH STORY	9,561 SQ. FT.
6TH STORY	8,180 SQ. FT.
TOTAL	46,424 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	6,533 SQ. FT.
3RD STORY	6,533 SQ. FT.
4TH STORY	6,533 SQ. FT.
5TH STORY	6,533 SQ. FT.
6TH STORY	3,329 SQ. FT.
TOTAL	29,461 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2, 3:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 2 : RATIOS PER STORY

2ND STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,200/14,000)+(5,891/24,000) <1
(0.08)+(0.25) <1
0.33 <1 **COMPLIES**

3TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(7,092/24,000) <1
0.29 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.33)+(0.29)+(0.29)+(0.29)+(0.29) <2
1.49 <2 **COMPLIES**

AREA 3 : RATIOS PER STORY

2ND STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(3,022/14,000)+(6,272/24,000) <1
(0.21) + (0.25) <1
0.46 <1 **COMPLIES**

3TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(9,294/24,000) <1
0.38 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.46)+(0.38)+(0.38)+(0.38) <2
1.98 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING A
ALLOWABLE FIRE AREA

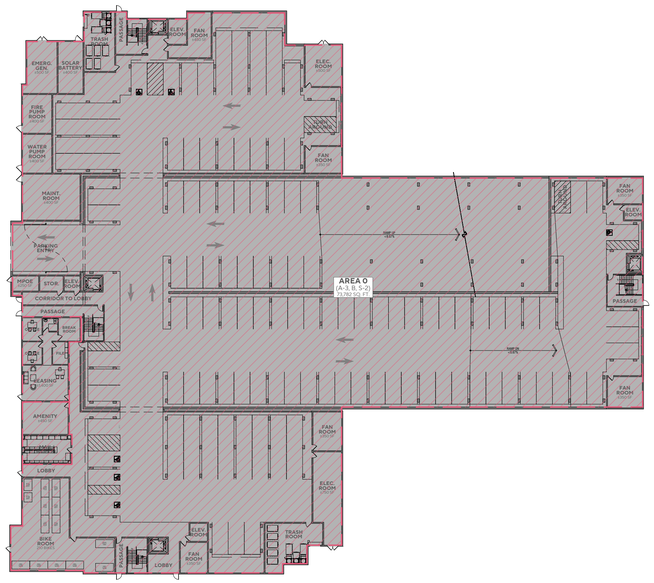
NORTH

1"=40'
0 40' 80' 120' 160'

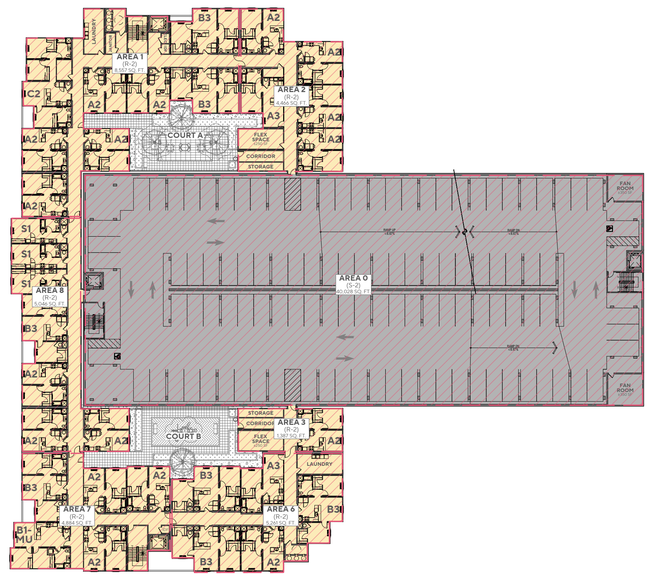
AO

A1.6

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 1



LEVEL 2

BUILDING B ALLOWABLE HEIGHT AND NUMBER OF STORIES							
IN FEET ABOVE GRADE PLANE							
BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 -
NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM, AMENITY SPACE
B = LEASING
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	938 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - S-2	73,782 SQ. FT.
2ND STORY - S-2	40,028 SQ. FT.
3RD STORY - S-2	40,028 SQ. FT.
TOTAL	156,115 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 2, 3, 4, 6, 7:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	8,557 SQ. FT.
3RD STORY	8,557 SQ. FT.
4TH STORY	8,557 SQ. FT.
5TH STORY	8,557 SQ. FT.
6TH STORY	4,740 SQ. FT.
TOTAL	38,968 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2 ACTUAL AREA:

2ND STORY	4,466 SQ. FT.
3RD STORY	4,466 SQ. FT.
4TH STORY	5,930 SQ. FT.
5TH STORY	5,930 SQ. FT.
6TH STORY	5,930 SQ. FT.
TOTAL	26,722 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 3 ACTUAL AREA:

2ND STORY	1,387 SQ. FT.
3RD STORY	1,387 SQ. FT.
4TH STORY	8,532 SQ. FT.
5TH STORY	8,532 SQ. FT.
6TH STORY	8,532 SQ. FT.
TOTAL	28,370 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	-
3RD STORY	-
4TH STORY	5,715 SQ. FT.
5TH STORY	5,783 SQ. FT.
6TH STORY	5,783 SQ. FT.
TOTAL	17,281 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	5,261 SQ. FT.
3RD STORY	5,261 SQ. FT.
4TH STORY	5,261 SQ. FT.
5TH STORY	5,261 SQ. FT.
6TH STORY	5,261 SQ. FT.
TOTAL	26,305 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 7 ACTUAL AREA:

2ND STORY	4,884 SQ. FT.
3RD STORY	4,884 SQ. FT.
4TH STORY	4,884 SQ. FT.
5TH STORY	4,884 SQ. FT.
6TH STORY	2,663 SQ. FT.
TOTAL	22,199 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 8, 5:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 5: RATIOS PER STORY

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(950/14,000)+(5,406/24,000) <1
(0.07)+(0.22) <1
0.3 <1 **COMPLIES**

5TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(6,356/24,000) <1
0.26 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.26)+(0.26)+(0.3)+(0.26)+(0.26) <2
1.34 <2 **COMPLIES**

AREA 8: RATIOS PER STORY

2ND TO 3RD STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(5,046/24,000) <1
0.21 <1 **COMPLIES**

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,999/14,000)+(6,421/24,000) <1
(0.14)+(0.26) <1
0.4 <1 **COMPLIES**

5TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(8,420/24,000) <1
0.35 <1 **COMPLIES**

6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(3,303/24,000) <1
0.14 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.21)+(0.21)+(0.4)+(0.35)+(0.14) <2
1.31 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B
ALLOWABLE BUILDING AREA

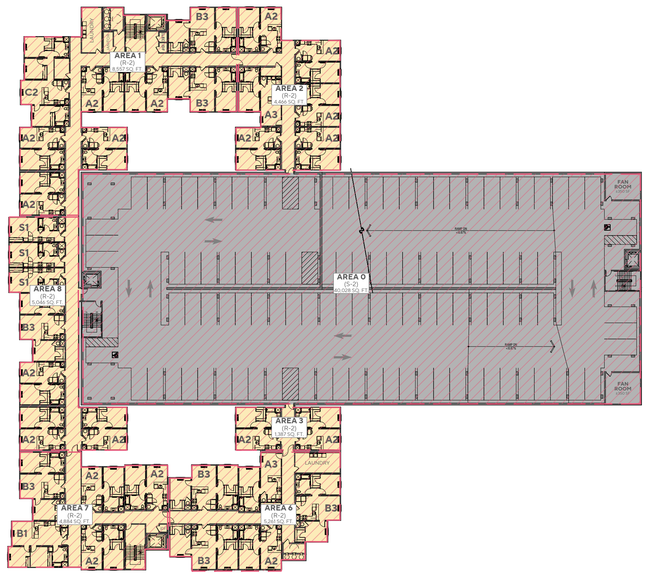
NORTH

1"=40'
0 40' 80' 120' 160'

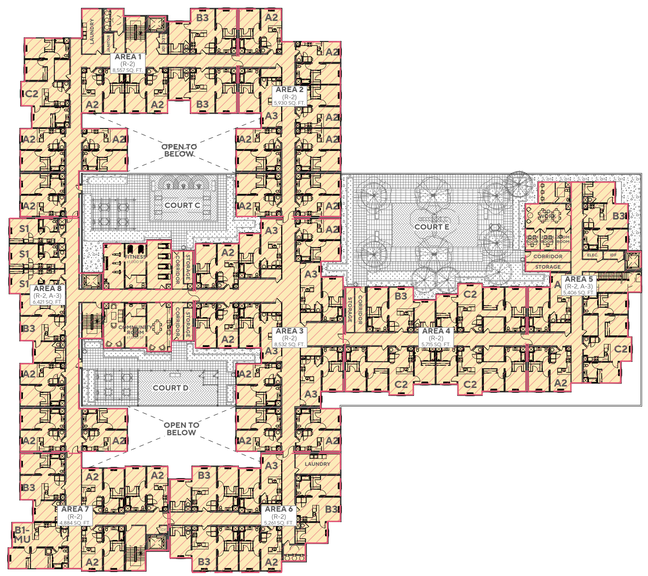
AO

A1.7

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 3



LEVEL 4

BUILDING B ALLOWABLE HEIGHT AND NUMBER OF STORIES

IN FEET ABOVE GRADE PLANE

BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 -
NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM, AMENITY SPACE
B = LEASING
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	938 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - S-2	73,782 SQ. FT.
2ND STORY - S-2	40,028 SQ. FT.
3RD STORY - S-2	40,028 SQ. FT.
TOTAL	156,115 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 2, 3, 4, 6, 7:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	8,557 SQ. FT.
3RD STORY	8,557 SQ. FT.
4TH STORY	8,557 SQ. FT.
5TH STORY	8,557 SQ. FT.
6TH STORY	4,740 SQ. FT.
TOTAL	38,968 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2 ACTUAL AREA:

2ND STORY	4,466 SQ. FT.
3RD STORY	4,466 SQ. FT.
4TH STORY	5,930 SQ. FT.
5TH STORY	5,930 SQ. FT.
6TH STORY	5,930 SQ. FT.
TOTAL	26,722 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 3 ACTUAL AREA:

2ND STORY	1,387 SQ. FT.
3RD STORY	1,387 SQ. FT.
4TH STORY	8,532 SQ. FT.
5TH STORY	8,532 SQ. FT.
6TH STORY	8,532 SQ. FT.
TOTAL	28,370 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	-
3RD STORY	-
4TH STORY	5,715 SQ. FT.
5TH STORY	5,783 SQ. FT.
6TH STORY	5,783 SQ. FT.
TOTAL	17,281 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	5,261 SQ. FT.
3RD STORY	5,261 SQ. FT.
4TH STORY	5,261 SQ. FT.
5TH STORY	5,261 SQ. FT.
6TH STORY	5,261 SQ. FT.
TOTAL	26,305 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 7 ACTUAL AREA:

2ND STORY	4,884 SQ. FT.
3RD STORY	4,884 SQ. FT.
4TH STORY	4,884 SQ. FT.
5TH STORY	4,884 SQ. FT.
6TH STORY	2,663 SQ. FT.
TOTAL	22,199 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 8, 5:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 5: RATIOS PER STORY

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(950/14,000)+(5,406/24,000) <1
(0.07)+(0.22) <1
0.3 <1 **COMPLIES**

5TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(6,356/24,000) <1
0.26 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.26)+(0.26)+(0.3)+(0.26)+(0.26) <2
1.34 <2 **COMPLIES**

AREA 8: RATIOS PER STORY

2ND TO 3RD STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(5,046/24,000) <1
0.21 <1 **COMPLIES**

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,999/14,000)+(6,421/24,000) <1
(0.14)+(0.26) <1
0.4 <1 **COMPLIES**

5TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(8,420/24,000) <1
0.35 <1 **COMPLIES**

6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(3,303/24,000) <1
0.14 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.21)+(0.21)+(0.4)+(0.35)+(0.14) <2
1.31 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

TYPE III (CBC 602.3)
TYPE III CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS AND THE INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL PERMITTED BY THIS CODE. FIRE-RETARDANT-TREATED WOOD FRAMING AND SHEATHING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2-HOUR RATING OR LESS.

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

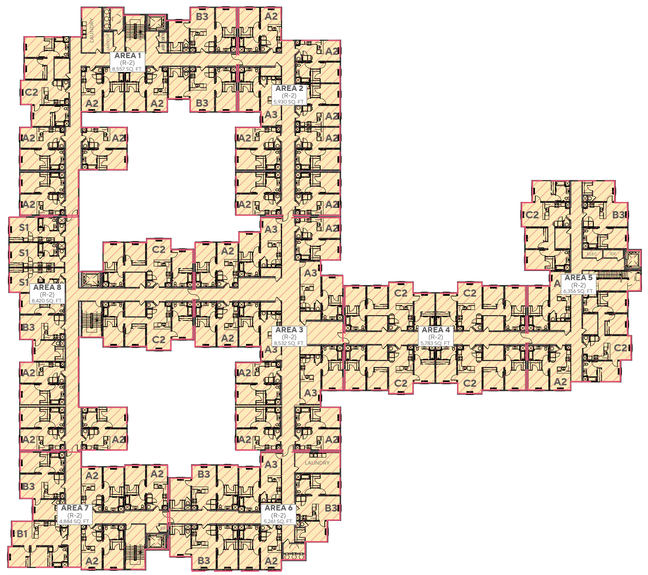
BUILDING B
ALLOWABLE BUILDING AREA

NORTH

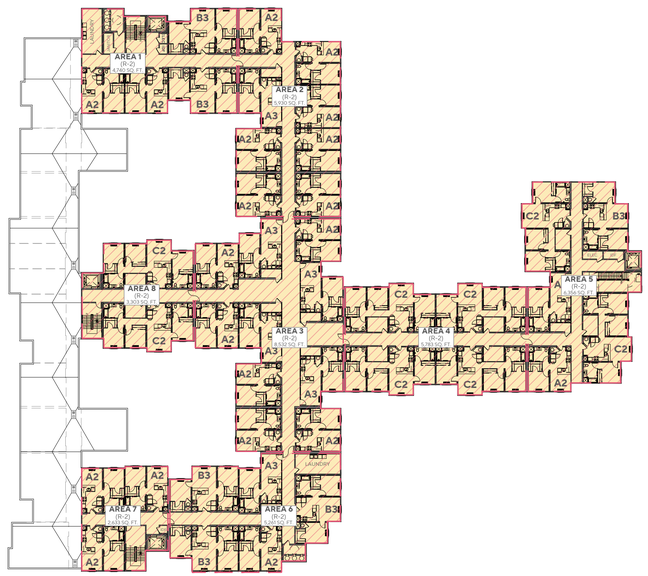
1"=40'
0 40' 80' 120' 160'

A1.8

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 5



LEVEL 6

BUILDING B ALLOWABLE HEIGHT AND NUMBER OF STORIES

IN FEET ABOVE GRADE PLANE

BUILDING TYPE	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	AUTOMATIC SPRINKLER SYSTEM	REQUIRED		REQUIRED	
				ALLOWABLE BUILDING HEIGHT PER TABLE 504.3	ALLOWABLE NUMBER OF STORIES PER TABLE 504.4	ACTUAL BUILDING HEIGHT PER TABLE 504.3	ACTUAL NUMBER OF STORIES PER TABLE 504.4
RESIDENTIAL	TYPE III-A	R-2	S	85 FEET	5 STORIES	68 FEET & 4 INCHES	5 STORIES
AMENITY AREAS	TYPE III-A	A-3	S	85 FEET	4 STORIES	68 FEET & 4 INCHES	1 STORY
LEASING	TYPE I-A	B	S	UL	UL	UL	UL
AMENITY AREAS	TYPE I-A	A-3	S	UL	UL	UL	UL
PARKING STRUCTURE	TYPE I-A	S-2	S	UL	UL	UL	UL

S = BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1

ALLOWABLE BUILDING AREA CALCULATIONS

AREA 0:
(NONSEPARATED OCCUPANCIES PER CBC 508.3 AND TABLE 508.4)
A-3, B, S-2 OCCUPANCIES WITH AN AUTOMATIC SPRINKLER INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 -
NO SEPARATION REQUIRED

CONSTRUCTION TYPE
TYPE I-A

OCCUPANCY USED
A-3 = MAIL ROOM, AMENITY SPACE
B = LEASING
S-2 = PARKING AREA, BOH.

AREA 0 ACTUAL AREA:

1ST STORY - A-3	938 SQ. FT.
1ST STORY - B	1,091 SQ. FT.
1ST STORY - S-2	73,782 SQ. FT.
2ND STORY - S-2	40,028 SQ. FT.
3RD STORY - S-2	40,028 SQ. FT.
TOTAL	156,115 SQ. FT. <UNLIMITED **COMPLIES**

AREAS 1, 2, 3, 4, 6, 7:
(SINGLE-OCCUPANCY, MULTI-STORY BUILDINGS PER 506.2.1)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA:
Aa = [At + (NS X If)] X Sa
Aa = [24,000 + (24,000 X 0)] x 2
Aa = [24,000 + 0] x 2
Aa = 48,000 S.F. ALLOWED PER BUILDING

NO INDIVIDUAL FLOOR SHALL EXCEED THE ALLOWABLE AREA PER EQUATION 5-1

ALLOWABLE BUILDING AREA PER STORY
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER STORY

AREA 1 ACTUAL AREA:

2ND STORY	8,557 SQ. FT.
3RD STORY	8,557 SQ. FT.
4TH STORY	8,557 SQ. FT.
5TH STORY	8,557 SQ. FT.
6TH STORY	4,740 SQ. FT.
TOTAL	38,968 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 2 ACTUAL AREA:

2ND STORY	4,466 SQ. FT.
3RD STORY	4,466 SQ. FT.
4TH STORY	5,930 SQ. FT.
5TH STORY	5,930 SQ. FT.
6TH STORY	5,930 SQ. FT.
TOTAL	26,722 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 3 ACTUAL AREA:

2ND STORY	1,387 SQ. FT.
3RD STORY	1,387 SQ. FT.
4TH STORY	8,532 SQ. FT.
5TH STORY	8,532 SQ. FT.
6TH STORY	8,532 SQ. FT.
TOTAL	28,370 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 4 ACTUAL AREA:

2ND STORY	-
3RD STORY	-
4TH STORY	5,715 SQ. FT.
5TH STORY	5,783 SQ. FT.
6TH STORY	5,783 SQ. FT.
TOTAL	17,281 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 6 ACTUAL AREA:

2ND STORY	5,261 SQ. FT.
3RD STORY	5,261 SQ. FT.
4TH STORY	5,261 SQ. FT.
5TH STORY	5,261 SQ. FT.
6TH STORY	5,261 SQ. FT.
TOTAL	26,305 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 7 ACTUAL AREA:

2ND STORY	4,884 SQ. FT.
3RD STORY	4,884 SQ. FT.
4TH STORY	4,884 SQ. FT.
5TH STORY	4,884 SQ. FT.
6TH STORY	2,663 SQ. FT.
TOTAL	22,199 SQ. FT. <48,000 SQ. FT. **COMPLIES**

AREA 8, 5:
(MIXED-OCCUPANCY BUILDINGS PER 506.2.2)

CONSTRUCTION TYPE
TYPE III-A

OCCUPANCY USED
A-3 = CO-WORK, FITNESS, COMMUNITY ROOM
R-2 = DWELLING UNITS, LAUNDRY ROOM, CORRIDOR

ALLOWABLE BUILDING AREA: A-3
Aa = [At + (NS X If)]
Aa = [14,000 + (14,000 X 0)]
Aa = [14,000 + 0]
Aa = 14,000 S.F. ALLOWED PER FLOOR

ALLOWABLE BUILDING AREA: R-2
Aa = [At + (NS X If)]
Aa = [24,000 + (24,000 X 0)]
Aa = [24,000 + 0]
Aa = 24,000 S.F. ALLOWED PER FLOOR

AREA 5: RATIOS PER STORY

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(950/14,000)+(5,406/24,000) <1
(0.07)+(0.22) <1
0.3 <1 **COMPLIES**

5TH TO 6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(6,356/24,000) <1
0.26 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.26)+(0.26)+(0.3)+(0.26)+(0.26) <2
1.34 <2 **COMPLIES**

AREA 8: RATIOS PER STORY

2ND TO 3RD STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(5,046/24,000) <1
0.21 <1 **COMPLIES**

4TH STORY AREA:
(A3 ACTUAL/A3 ALLOWABLE)+(R2 ACTUAL/R2 ALLOWABLE) <1
(1,999/14,000)+(6,421/24,000) <1
(0.14)+(0.26) <1
0.4 <1 **COMPLIES**

5TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(8,420/24,000) <1
0.35 <1 **COMPLIES**

6TH STORY AREA:
(R2 ACTUAL/R2 ALLOWABLE) <1
(3,303/24,000) <1
0.14 <1 **COMPLIES**

SUM OF RATIOS
(2ND STORY RATIO)+(3RD STORY RATIO)+(4TH STORY RATIO)+(5TH STORY RATIO)+(6TH STORY RATIO) <2
(0.21)+(0.21)+(0.4)+(0.35)+(0.14) <2
1.31 <2 **COMPLIES**

LEGEND

ALLOWABLE BUILDING AREA

TYPE I-A CONSTRUCTION

TYPE III-A CONSTRUCTION

CONSTRUCTION CLASSIFICATION

TYPE I (CBC 602.2)
TYPE I CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS SPECIFIED IN TALE 601 ARE OF NONCOMBUSTIPLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THE CODE.

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THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

BUILDING B
ALLOWABLE BUILDING AREA

NORTH

1"=40'
0 40' 80' 120' 160'

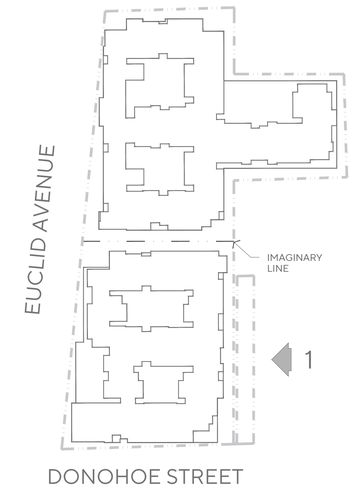
A1.9

JOB NO. 2025-1061
DATE 06-10-2026

1. BUILDING A - EAST ELEVATION

MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	10'-2"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	1,605 SQ. FT.
TOTAL OPENINGS AREA	66 SQ. FT.
ALLOWABLE AREA PROVIDED	**4.1%**
GREEN AREA	
FIRE SEPARATION DISTANCE	15'-4"
MAX. ALLOWABLE AREA	**75%**
TOTAL EXTERIOR WALL AREA	8,518 SQ. FT.
TOTAL OPENINGS AREA	1,013 SQ. FT.
ALLOWABLE AREA PROVIDED	**11.9%**
PINK AREA	
FIRE SEPARATION DISTANCE	22'-7"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	6,567 SQ. FT.
TOTAL OPENINGS AREA	808 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

ALLOWABLE OPENINGS CALCULATIONS

1"=20'
0 20 40 60 80

AO

A1.10

JOB NO. 2025-1061
DATE 06-10-2026

1. BUILDING A - NORTH ELEVATION

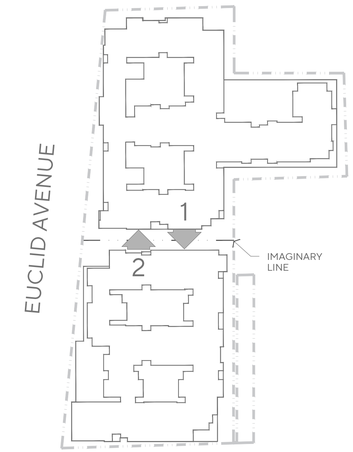
MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	11'-2"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	7,626 SQ. FT.
TOTAL OPENINGS AREA	1,125 SQ. FT.
ALLOWABLE AREA PROVIDED	**14.8%**
PINK AREA	
FIRE SEPARATION DISTANCE	21'-11"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	3,117 SQ. FT.
TOTAL OPENINGS AREA	250 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**

2. BUILDING B - SOUTH ELEVATION

MAX. ALLOWABLE WALL OPENINGS

GREEN AREA	
FIRE SEPARATION DISTANCE	16'-7"
MAX. ALLOWABLE AREA	**75%**
TOTAL EXTERIOR WALL AREA	7,432 SQ. FT.
TOTAL OPENINGS AREA	791 SQ. FT.
ALLOWABLE AREA PROVIDED	**10.6%**
PINK AREA	
FIRE SEPARATION DISTANCE	21'-9"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	1,565 SQ. FT.
TOTAL OPENINGS AREA	113 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

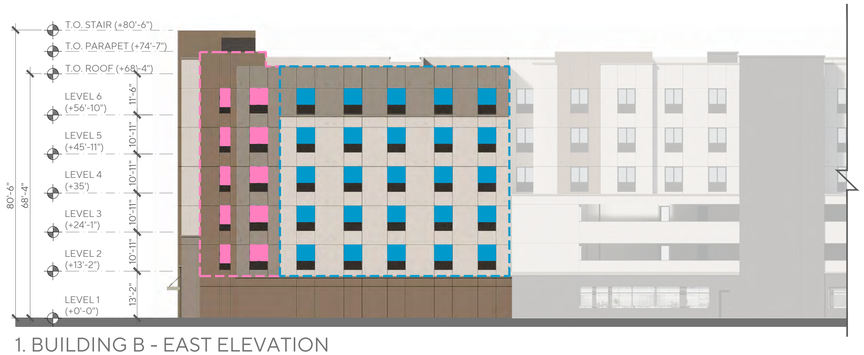
ALLOWABLE OPENINGS CALCULATIONS

1"=20'
0 20 40 60 80

AO

A1.11

JOB NO. 2025-1061
DATE 06-10-2026

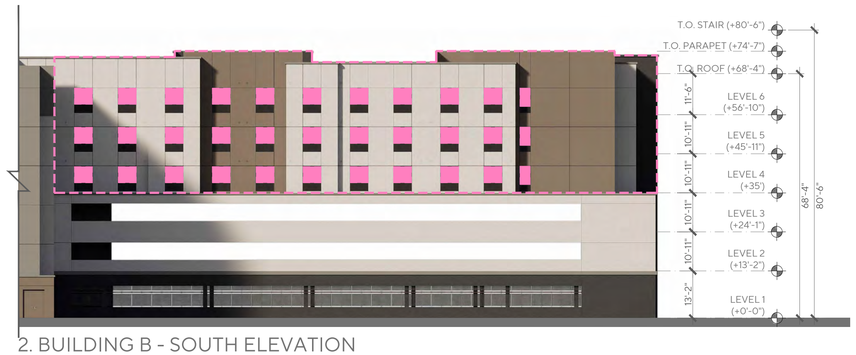


1. BUILDING B - EAST ELEVATION

MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	14'-11"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	3,759 SQ. FT.
TOTAL OPENINGS AREA	563 SQ. FT.
ALLOWABLE AREA PROVIDED	**15%**

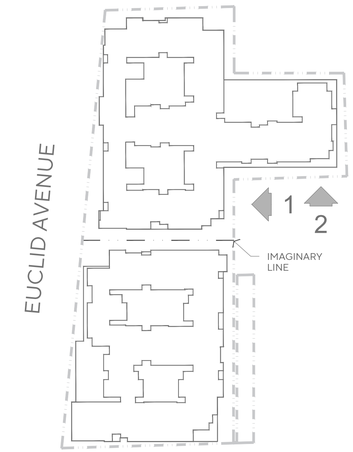
PINK AREA	
FIRE SEPARATION DISTANCE	22'-0"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	1,383 SQ. FT.
TOTAL OPENINGS AREA	185 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



2. BUILDING B - SOUTH ELEVATION

MAX. ALLOWABLE WALL OPENINGS

PINK AREA	
FIRE SEPARATION DISTANCE	22'-0"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	6,496 SQ. FT.
TOTAL OPENINGS AREA	719 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

ALLOWABLE OPENINGS CALCULATIONS

1"=20'
0 20 40 60 80

AO

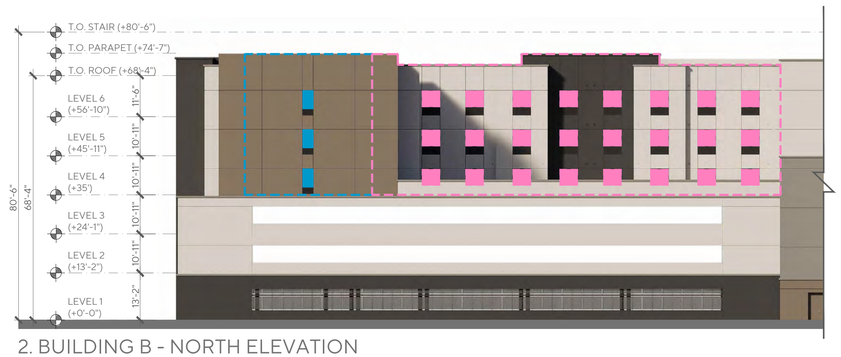
A1.12

JOB NO. 2025-1061
DATE 06-10-2026

1. BUILDING B - EAST ELEVATION

MAX. ALLOWABLE WALL OPENINGS

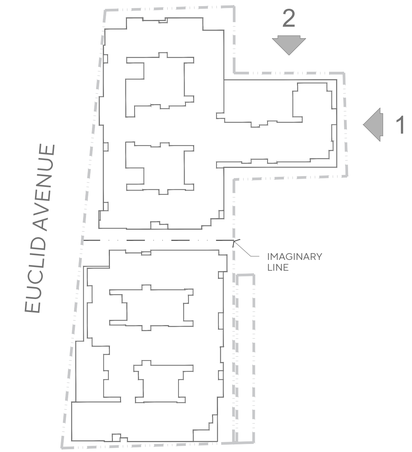
GREEN AREA	
FIRE SEPARATION DISTANCE	18'-11"
MAX. ALLOWABLE AREA	**75%**
TOTAL EXTERIOR WALL AREA	1,496 SQ. FT.
TOTAL OPENINGS AREA	203 SQ. FT.
ALLOWABLE AREA PROVIDED	**13.6%**
PINK AREA	
FIRE SEPARATION DISTANCE	20'-8"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	2,428 SQ. FT.
TOTAL OPENINGS AREA	338 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



2. BUILDING B - NORTH ELEVATION

MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	14'-10"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	1,400 SQ. FT.
TOTAL OPENINGS AREA	47 SQ. FT.
ALLOWABLE AREA PROVIDED	**3.4%**
PINK AREA	
FIRE SEPARATION DISTANCE	20'-8"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	2,485 SQ. FT.
TOTAL OPENINGS AREA	540 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

1"=20'
0 20 40 60 80

A1.13

JOB NO. 2025-1061
DATE 06-10-2026

1. BUILDING B - EAST ELEVATION

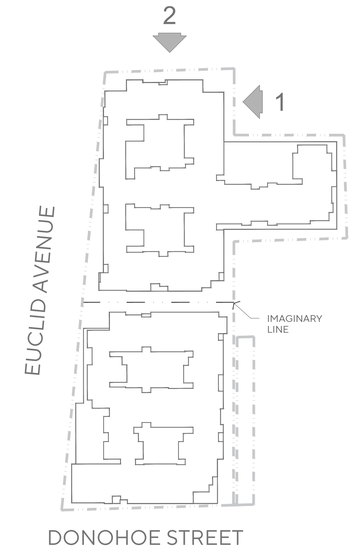
MAX. ALLOWABLE WALL OPENINGS

GREEN AREA	
FIRE SEPARATION DISTANCE	15'-3"
MAX. ALLOWABLE AREA	**75%**
TOTAL EXTERIOR WALL AREA	4,607 SQ. FT.
TOTAL OPENINGS AREA	675 SQ. FT.
ALLOWABLE AREA PROVIDED	**14.7%**

2. BUILDING B - NORTH ELEVATION

MAX. ALLOWABLE WALL OPENINGS

BLUE AREA	
FIRE SEPARATION DISTANCE	12'-2"
MAX. ALLOWABLE AREA	**45%**
TOTAL EXTERIOR WALL AREA	4,533 SQ. FT.
TOTAL OPENINGS AREA	635 SQ. FT.
ALLOWABLE AREA PROVIDED	**14%**
PINK AREA	
FIRE SEPARATION DISTANCE	20'-8"
ALLOWABLE AREA	**UNLIMITED**
TOTAL EXTERIOR WALL AREA	4,401 SQ. FT.
TOTAL OPENINGS AREA	210 SQ. FT.
ALLOWABLE AREA PROVIDED	**UNLIMITED**



THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

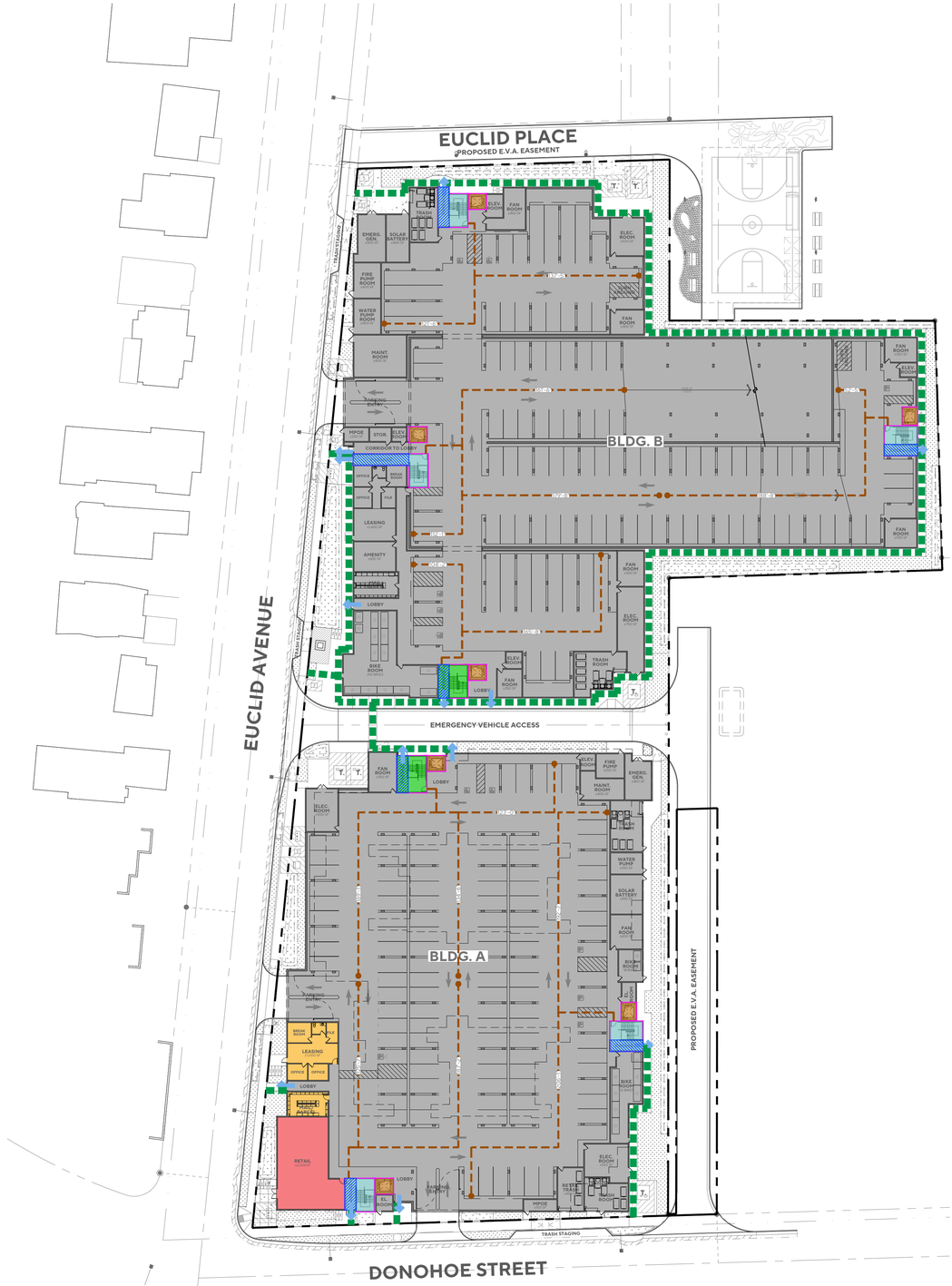
ALLOWABLE OPENINGS CALCULATIONS

0 20' 40' 60' 80' 1"=20'

AO

A1.14

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 1

LEVEL 2

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- 2-HR FIRE RATED PASSAGE
- USABLE OPEN SPACE AREA
- FIRE WALL SEPARATION
- POINT OF EGRESS
- EGRESS PATH FROM PARKING STRUCTURE
- 250' MAX. EGRESS PATH DISTANCE
- ACCESSIBLE PATH OF TRAVEL

OCCUPANT LOAD CALCULATION - BUILDING A

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / FLEX / COURT YARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	7,501	25	48,317	242	1,528	10			2,074	69			346	6
LEVEL 2			40,375	202	1,313	9	1,313	26			8,693	580	816	3
LEVEL 3			44,224	221									221	3
LEVEL 4			44,224	221									221	3
LEVEL 5			44,224	221									221	3
LEVEL 6			38,328	192									192	3

OCCUPANT LOAD CALCULATION - BUILDING B

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / COURTYARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	10,560	35	64,277	321	1,829	12		0		0	503	34	402	7
LEVEL 2	827	3	69,840	349		0		0		0	3,422	228	580	4
LEVEL 3	827	3	70,464	352		0		0		0		0	355	4
LEVEL 4		0	52,261	261	909	6	1,025	21		0	9,763	651	939	4
LEVEL 5		0	55,220	276		0		0		0		0	276	4
LEVEL 6		0	43,739	219		0		0		0		0	219	4

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

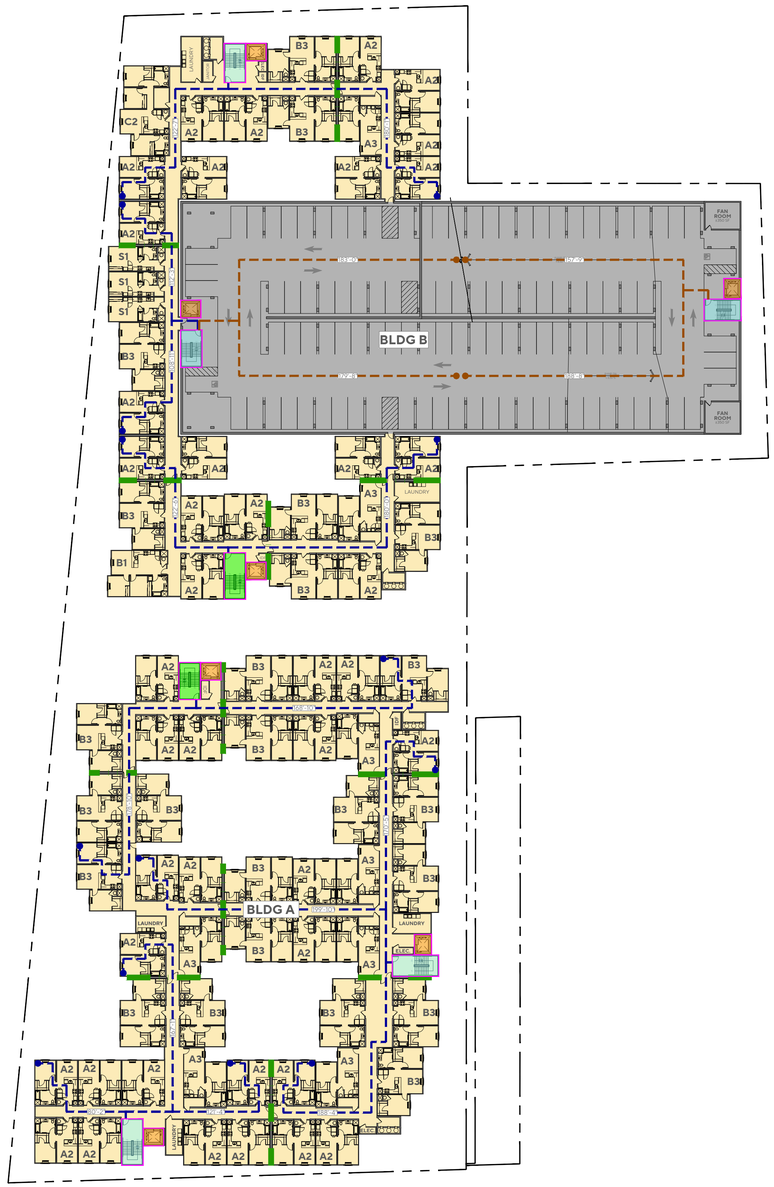
EGRESS PLANS

NORTH

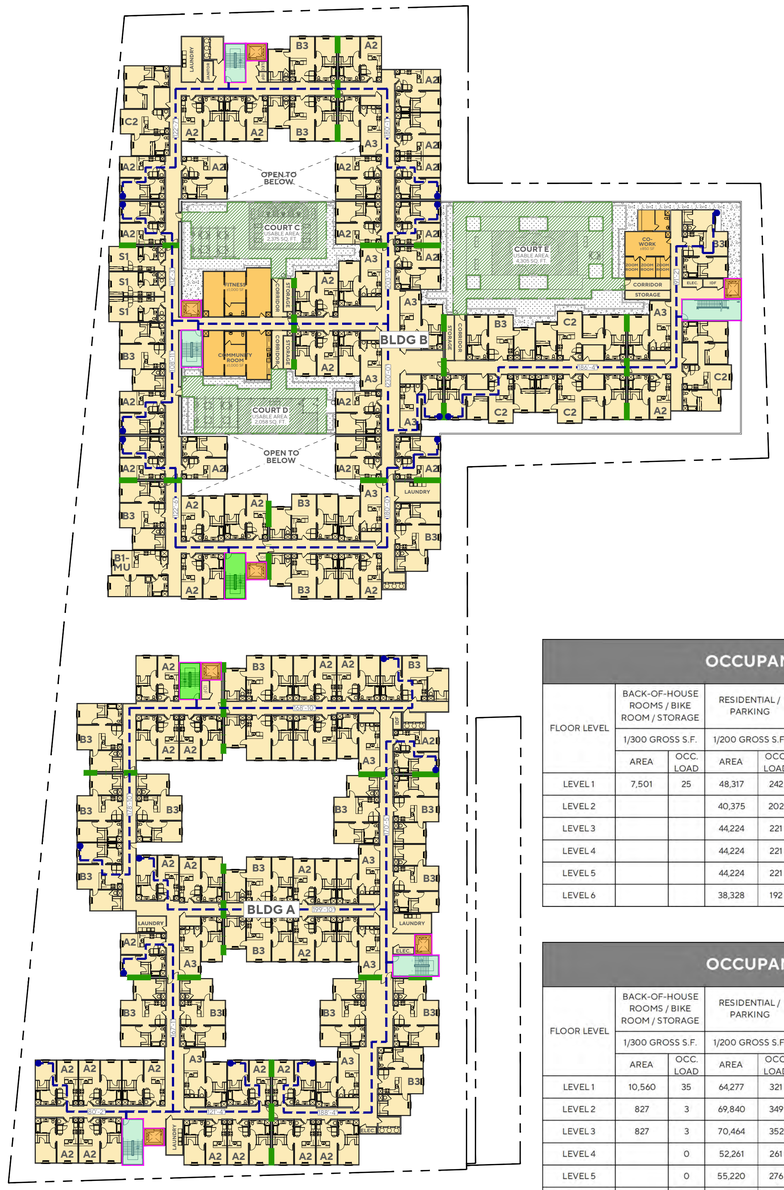
0 40' 80' 120' 160' 1"=40'

A1.15

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 3



LEVEL 4

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- 2-HR FIRE RATED PASSAGE
- USABLE OPEN SPACE AREA
- FIRE WALL SEPARATION
- POINT OF EGRESS
- EGRESS PATH FROM PARKING STRUCTURE
- 250' MAX. EGRESS PATH DISTANCE
- ACCESSIBLE PATH OF TRAVEL

OCCUPANT LOAD CALCULATION - BUILDING A

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / FLEX / COURT YARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	7,501	25	48,317	242	1,528	10			2,074	69			346	6
LEVEL 2			40,375	202	1,313	9	1,313	26			8,693	580	816	3
LEVEL 3			44,224	221									221	3
LEVEL 4			44,224	221									221	3
LEVEL 5			44,224	221									221	3
LEVEL 6			38,328	192									192	3

OCCUPANT LOAD CALCULATION - BUILDING B

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / COURTYARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	10,560	35	64,277	321	1,829	12		0		0	503	34	402	7
LEVEL 2	827	3	69,840	349		0		0		0	3,422	228	580	4
LEVEL 3	827	3	70,464	352		0		0		0		0	355	4
LEVEL 4		0	52,261	261	909	6	1,025	21		0	9,763	651	939	4
LEVEL 5		0	55,220	276		0		0		0		0	276	4
LEVEL 6		0	43,739	219		0		0		0		0	219	4

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

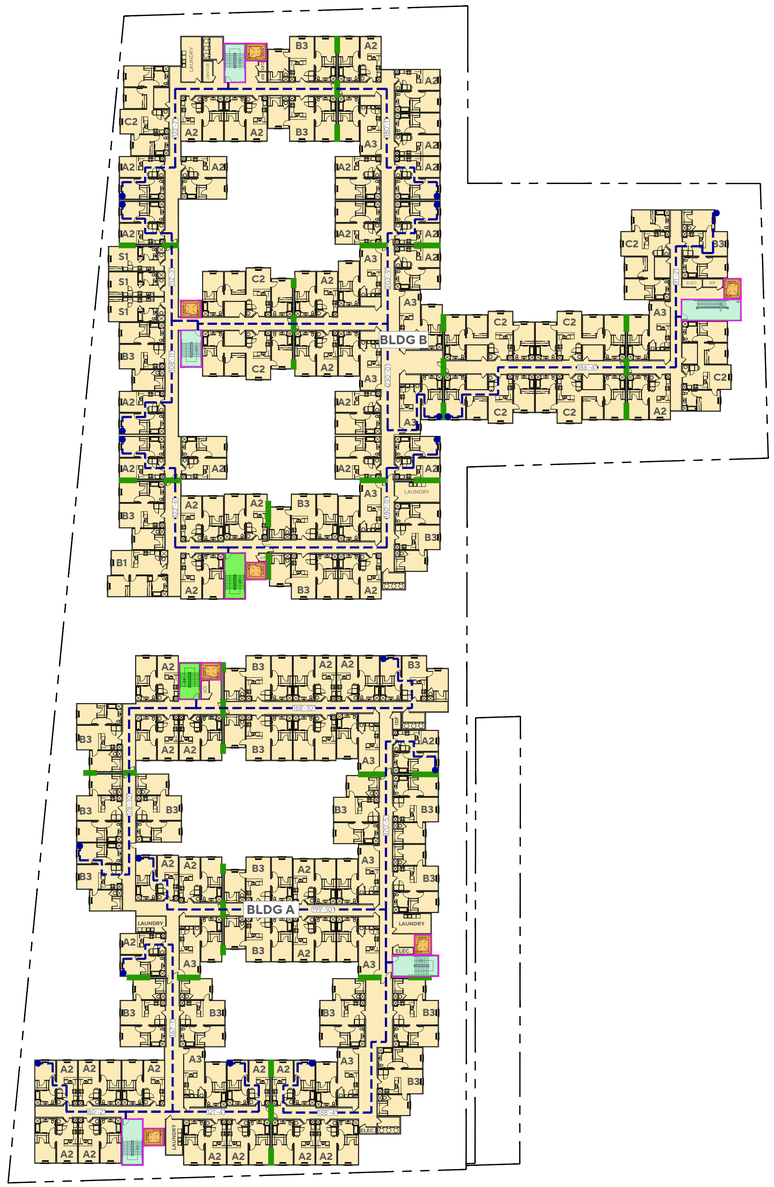
EGRESS PLANS

1"=40'

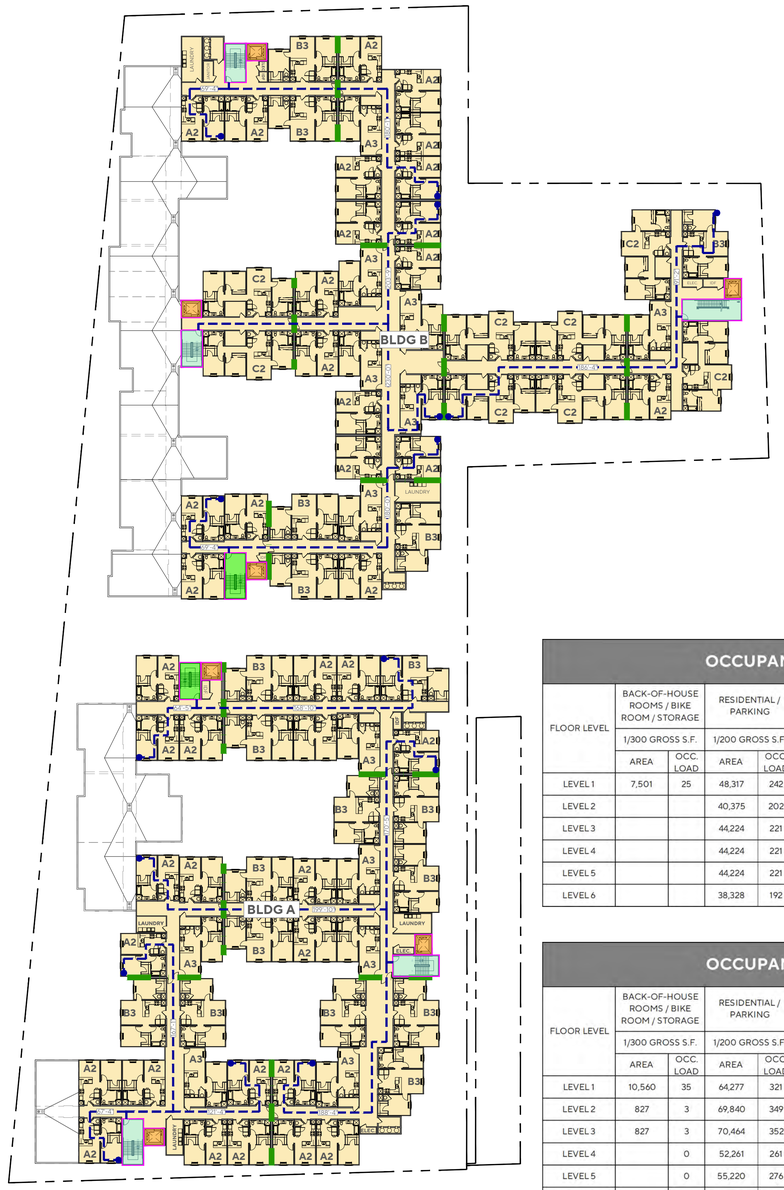
0 40' 80' 120' 160'

A1.16

JOB NO. 2025-1061
DATE 06-10-2026



LEVEL 5



LEVEL 6

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- RETAIL
- PARKING
- 2-HR EXIT STAIR W/ ROOF ACCESS
- 2-HR EXIT STAIR
- GURNEY-SIZED ELEVATOR
- 2-HR FIRE RATED PASSAGE
- USABLE OPEN SPACE AREA
- FIRE WALL SEPARATION
- POINT OF EGRESS
- EGRESS PATH FROM PARKING STRUCTURE
- 250' MAX. EGRESS PATH DISTANCE
- ACCESSIBLE PATH OF TRAVEL

OCCUPANT LOAD CALCULATION - BUILDING A

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / FLEX / COURT YARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	7,501	25	48,317	242	1,528	10			2,074	69			346	6
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LEVEL 3			44,224	221									221	3
LEVEL 4			44,224	221									221	3
LEVEL 5			44,224	221									221	3
LEVEL 6			38,328	192									192	3

OCCUPANT LOAD CALCULATION - BUILDING B

FLOOR LEVEL	BACK-OF-HOUSE ROOMS / BIKE ROOM / STORAGE		RESIDENTIAL / PARKING		LEASING / MAIL ROOM/ CO-WORK		FITNESS		RETAIL		COMMUNITY ROOM/ AMENITY / COURTYARDS		OCC. LOAD PER LEVEL	EXITS PROVIDED PER LEVEL
	1/300 GROSS S.F.		1/200 GROSS S.F.		1/150 GROSS S.F.		1/50 GROSS S.F.		1/30 GROSS S.F.		1/15 GROSS S.F.			
	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD	AREA	OCC. LOAD		
LEVEL 1	10,560	35	64,277	321	1,829	12		0		0	503	34	402	7
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LEVEL 3	827	3	70,464	352		0		0		0		0	355	4
LEVEL 4		0	52,261	261	909	6	1,025	21		0	9,763	651	939	4
LEVEL 5		0	55,220	276		0		0		0		0	276	4
LEVEL 6		0	43,739	219		0		0		0		0	219	4

THE PACIFIC COMPANIES

2120-2160 EUCLID AVENUE

EAST PALO ALTO, CA

EGRESS PLANS

1"=40'

0 40' 80' 120' 160'

A1.17

JOB NO. 2025-1061
DATE 06-10-2026

Menlo Park Fire Protection District
170 Middlefield Road • Menlo Park, CA 94025 • 650.688.8400 • www.menlofire.gov

Date: June 8, 2026 (revised 7-9-26)

Applicant: Pacific West Communities
Phone: (650) 815-8521

Project: Multi-Family Residential Buildings
Address: 2120 & 2160 Euclid Ave
City: East Palo Alto

Scope: Planning-Site Review –

Reviewed by: Stuart Blakesley, William Saxton Permit#: MPR24-0310R5

Planning application for proposed construction for two (2) new 5 level Multi-Family Residential buildings wrap around two (2) 6 level enclosed parking structures. The project is to comply with the 2022 CA Building / Fire Codes and local amendments. The following planning review **Advisory Comments** are applicable to this submittal:

Access:

For the purpose of access point requirement this issue has been addressed as part of the AMMR review process, approved AMMR signed by the Fire Marshal and dated on May 27th 2026 is listed as MAMMR26-0005 shall be attached to future submittal's for this project.

Water Supply:

1. Applicant to provide fire flow information through a separate engineered plan showing how this is to be achieved. This document shall be submitted to Menlo Park Fire Protection District for review and approval prior to issuance of grading and building permits. CFC 2022, Sec. 507.5.1 Appendix B Section 105.2 & Table 105.1:
2. **Fire Flow for Building A building is as follows:**
    a. Total Building Area – Building A
        i. Building A – 274,647 sq ft
        Type IA Construction – 6,000 gpm
        Type IIIA Construction – 6,000 gpm
    b. Percentage of Building – Building A
        i. Type IA = 60,449/274,647 x 100 = 21.0%
        ii. Type IIIA = 221,594/274,647 x 100 = 79.0%
    c. Therefore – Building A
        i. 0.210 (1,260) + 0.790 (4,740) = 6,000 gpm / 2 = **3,000 gpm @ a flow duration of 3 hours.**

Fire Flow for building B is as follows:

a. Total Building Area – Building B
   ii. Building B – 383,612 sq ft
   Type IA Construction – 6,000 gpm
   Type IIIA Construction – 6000 gpm
b. Percentage of Building – Building B
   iii. Type IA = 159,666/383,612 x 100 = 41.0%
   iv. Type IIIA = 223,946/383,612 x 100 = 59.0%
c. Therefore – Building B
   v. 0.410 (2,460) + 0.590 (3,541) = 6,000 gpm / 2 **= 3,000gpm @ a flow duration of 3 hours.**

3. When calculating the required fire flow for the buildings suppression systems increased design densities will be required for garage level with a designated design density set to **.40gpm/2500 floor area**. Make sure your Fire Protection Engineer is aware of this detail since this may impact your fire flow requirements.

Note; If the applicant proposes any future AMMR request, the previous signed AMMR shall be subject to a re-review. Only a single AMMR is permitted, MPFD will not accept multiple AMMR's for a given project.

Nothing in this review is intended to authorize or approve any aspects of the design or installation which do not strictly comply with all applicable codes and standards. Menlo Park Fire Protection District is not responsible for inadvertent errors or omissions pertaining to his review and/or subsequent field inspection(s) i.e., additional comments may be added during subsequent drawing review or field inspection. Please call with any questions.