CITY COUNCIL/CEMETERY DISTRICT - CC - REGULAR MEETING

WEDNESDAY, OCTOBER 9, 2024

Closed Session: 5:30 PM | Regular Session 6:00 PM

COUNCIL CHAMBERS 23873 CLINTON KEITH ROAD SUITE 106 WILDOMAR, CA 92595

Bridgette Moore - Mayor/ Chair | District 4
Ashlee DePhillippo - Mayor Pro Tem/ Vice Chair | District 5
Carlos Marquez - Council Member/ Trustee | District 1
Joseph Morabito - Council Member/ Trustee | District 3
Dustin Nigg - Council Member/ Trustee | District 2

Daniel York, City Manager/General Manager Thomas D. Jex, City Attorney/District Counsel

The City of Wildomar will be a Safe and Active Community with Responsible Growth and Quality Infrastructure while keeping a Hometown Feel

NOTICE:
City Council meetings may be live-streamed, photographed and/or videotaped. Participation at the meeting constitutes consent by members of the public to the City's and any third party's use in any media, without compensation or further notice, of audio, video, and/or pictures of meeting attendees.

CALL TO ORDER – CLOSED SESSION - 5:30 P.M.

ROLL CALL

PUBLIC COMMENTS

CLOSED SESSION

CLOSED SESSION

RECOMMENDATION:
The City Council will meet in closed session pursuant to the provisions of Government Code Section 54956.8 to confer with legal counsel and conference with real property negotiators as follows:

Project: Bundy Canyon Road Improvement Project, Segment 2 (CIP 026-2) Right-of-Way Acquisition
Properties: See below
Agency negotiator: Dan York, City Manager
Negotiating parties: See below

Negotiating Party/ Property Owner | APN | Location

Western Riverside County Regional Conservation Authority | 366-320-045| North side of Bundy Canyon Road, approximately 637' SW of Raciti Road

Western Riverside County Regional Conservation Authority | 366-320-012| Southeast side of Bundy Canyon Road, beginning +/- 200' northeast of Oak Circle Dr.

Western Riverside County Regional Conservation Authority | 366-320-008 and 366-310-006| Southeast side of Bundy Canyon Road, beginning +/- 200' northeast of Oak Circle Dr.

Bundy Canyon 38, LLC et al (Rancon) | 366-320-053 | North side of Bundy Canyon Road, north of Tulip Lane.

RECONVENE INTO OPEN SESSION

ANNOUNCEMENTS

ADJOURN CLOSED SESSION

CALL TO ORDER – REGULAR SESSION - 6:00 P.M.

ROLL CALL
Council discussion and determination on whether an absence is excused.

FLAG SALUTE

PRESENTATIONS

DEPARTMENT REPORTS

City Clerk Department Report - Election Update
Presented By: Janet Morales, City Clerk's Office

PUBLIC COMMENTS
*This is the time when the Council receives general public comments regarding any items or matters within the jurisdiction that **do not** appear on the agenda. Per the Brown Act, City Council members are not allowed to respond to public comments not on the agenda. If you would like to be contacted, please leave your email or contact number on the public comment card.*

COUNCIL COMMUNICATIONS
1. Riverside Conservation Authority (RCA)
2. Riverside Transit Agency (RTA)
3. Riverside County Transportation Commission (RCTC)
4 League of California Cities
5. Southern California Association of Governments (SCAG)
6. Riverside County Habitat Conservation Agency (RCHCA)
7. Western Riverside Council of Governments (WRCOG)
8. Southwest Community Financing Authority (Animal Shelter)
9. Ad Hoc & Subcommittees
10. Community events
11. Regional events
12. Chamber of Commerce

APPROVAL OF THE AGENDA AS PRESENTED
The City Council to approve the agenda as it is herein presented, or, if it is the desire of the City Council, the agenda can be reordered, added to, or have items tabled at this time.

1. CONSENT CALENDAR
All matters listed under the Consent Calendar are considered routine and will be enacted by one roll call vote. There will be no separate discussion of these items unless members of the Council, the Public, or Staff request to have specific items removed from the Consent Calendar for separate discussion and/or action.

1.1 **City Council Special Meeting Minutes - August 21, 2024**
Presented By: Janet Morales , City Clerk's Office

RECOMMENDATION:
Approve the minutes as presented.

1.2 **City Council/Cemetery District Minutes - September 11, 2024.**
Presented By: Janet Morales , City Clerk's Office

RECOMMENDATION:
Approve the minutes as presented.

1.3 **September 2024 Warrant Register**
Presented By: Adam Jantz , Administrative Services Department

RECOMMENDATION:
Approve the following:

For Fiscal Year 2023/2024:
1. Warrant Register dated 09-12-2024 in the amount of $926,922.27.

For Fiscal Year 2024/2025:
1. Warrant Register dated 09-05-2024 in the amount of $30,739.89.
2. Warrant Register dated 09-12-2024 in the amount of $648,948.37.
3. Warrant Register dated 9-16-2024 through 9-30-2024 in the amount of $138,843.48.
4. Wire Transfer Register dated 09-30-2024 in the amount of $898,220.92
5. Payroll Register dated 10-01-2024 in the amount of $313,448.43.

1.4 **August 2024 City Treasurers Report**
Presented By: Adam Jantz , Administrative Services Department

RECOMMENDATION:
Approve the Treasurer's Report for August 2024.

1.5 Annexation No. 7, Tract Nos. 36781 and 36782 into Community Facilities District No. 2022-1 (Services) for Westpark Promenade

Location: Vacant Property East of I-15, between Catt Rd. and Depasqualle Rd.
Presented By: Jason Farag , Public Works/ Engineering Department

RECOMMENDATION:
Adopt a Resolution entitled:

RESOLUTION NO. 2024 - ____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ITS INTENTION TO ANNEX TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES), OF THE CITY OF WILDOMAR, ADOPTING A MAP OF THE AREA PROPOSED TO BE ANNEXED (ANNEXATION NO. 7) AND AUTHORIZING THE LEVY OF SPECIAL TAXES THEREIN

1.6 Annexation No. 11 into Community Facilities District No. 2022-1 (Services) for Wildomar Commerce Center (PM 38646)

Location: Southwest Corner of Elizabeth Lane and Clinton Keith Road
Presented By: Jason Farag , Public Works/ Engineering Department

RECOMMENDATION:
Adopt a Resolution entitled:

RESOLUTION NO. 2024 - ____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ITS INTENTION TO ANNEX TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES), OF THE CITY OF WILDOMAR, ADOPTING A MAP OF THE AREA PROPOSED TO BE ANNEXED (ANNEXATION NO. 11) AND AUTHORIZING THE LEVY OF SPECIAL TAXES THEREIN

1.7 Designation of Authority for IRS 945 Form Examination for Calendar Year 2021

Presented By: Adam Jantz , Administrative Services Department

RECOMMENDATION:
Adopt the IRS Authorization and Declaration Form 4564 for the Examination of the City's Form 945 for calendar year 2021.

1.8 **Cooperative Funding Agreement with Elsinore Valley Municipal Water District (EVMWD) for the Design of the Bundy Canyon Rd. Waterline Relocation**
Location: Bundy Canyon Rd., between Oak Canyon Dr. and The Farm Rd.
Presented By: Jason Farag , Public Works/ Engineering Department

RECOMMENDATION:
Authorize the City Manager to execute the Cooperative Funding Agreement with Elsinore Valley Municipal Water District (EVMWD) for the Bundy Canyon Rd. Improvement Project, Segment 2

1.9 **Marriott Hotel Precise Grading and BMP Agreements**
Location: Northeast corner of Baxter Rd. and Margaret Ln., north of Wildomar Trail
Presented By: Jason Farag , Public Works/ Engineering Department

RECOMMENDATION:
Authorize the City Manager to execute the Precise Grading Agreement and BMP Agreement with Wildomar DCW, LP.

1.10 **Public Improvement Agreement for Offsite Storm Drain for Wildomar Commerce Center**
Location: Southwest Corner of Clinton Keith Rd. and Elizabeth Ln.
Presented By: Jason Farag , Public Works/ Engineering Department

RECOMMENDATION:
Authorize the City Manager to execute the Public Improvement Agreement for Offsite Storm Drain with White Sable, LLC and Wildomar One, LLC (Developer).

1.11 **Measure AA Oversight Advisory Committee Appointment**
Presented By: Janet Morales , City Clerk's Office

RECOMMENDATION:
Review the application for Committee Membership on the Measure AA Oversight Advisory Committee and appoint Hannah Rinehart for a term ending June 2025.

1.12 **Bundy Canyon Plaza BMP and Precise Grading Agreements**
Location: Southwest corner of Bundy Canyon Rd. and Sellers Rd.
Presented By: Jason Farag , Public Works/ Engineering Department

RECOMMENDATION:
Authorize the City Manager to execute the Precise Grading Agreement and BMP Agreement with Bundy I-15, LP

2. PUBLIC HEARINGS

2.1 **Public Hearing for Annexation No. 12, (Oak Springs Ranch II PP 20-0044) Consideration of Territory to be Annexed to Community Facilities District No. 2022-1 (Services), Calling an Election, Ordering the Levy and Collection of Special Taxes, and Declaring the Election Results for CFD 2022-1 (Services), Annexation No. 12**

Location: 36101 Inland Valley Drive (southwest corner of Clinton Keith Rd. and Inland Valley Dr.)
Presented By: Jason Farag , Public Works/ Engineering Department

RECOMMENDATION:

1. Open the public hearing;
2. Take testimony;
3. Close the public hearing;
4. Adopt Resolution entitled:

RESOLUTION NO. 2024 - _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, CALLING AN ELECTION TO SUBMIT TO THE QUALIFIED ELECTORS THE QUESTION OF LEVYING A SPECIAL TAX WITHIN THE AREA PROPOSED TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) (ANNEXATION NO. 12)

5. Hold the election;
6. Canvass the election; and
7. Adopt a Resolution entitled:

RESOLUTION NO. 2024 - _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ELECTION RESULTS FOR COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) (ANNEXATION NO. 12)

CALL TO ORDER WILDOMAR CEMETERY DISTRICT MEETING & ROLL CALL

3. GENERAL BUSINESS

3.1 **Construction Contract Award - Palomar St. Widening (Phase 2) and Cemetery Improvements (Phase 1) Projects (CIP 028-2, 067-1)**

Location: Palomar St. (Wildomar Trail to Ione Ln.), Gruwell St. (Palomar St. to Orange St.), and the Wildomar Cemetery
Presented By: Jason Farag , Public Works/ Engineering Department

RECOMMENDATION:

1. Authorize the City Manager to execute a construction contract with Van Engineering, Inc. in the amount of $7,695,693 for the Palomar Street Widening, Phase 2, and Cemetery Improvements, Phase 1, Projects (CIP 028-2 and 067-1) (Projects) and waive any informality or irregularity in the bid.

2. Authorize the Public Works Director to approve change orders not to exceed 5% of the construction contract amount (contingency).

3. Authorize the Public Works Director to execute a Task Agreement with GeoCon West, Inc., under their existing on-call services agreement with the City, in the amount of $87,774.88 for material testing for the Projects, plus Extra Work Authorizations not to exceed $10,000, for a total not to exceed of $97,774.88.

4. Authorize the City Manager to execute the Fifth Amendment with Mark Thomas, Inc. in the amount of $103,124 for design construction support, for a total not to exceed $103,124.

5. Authorize the Public Works Director to execute a Task Agreement with Interwest Consulting Group, under their existing on-call services agreement with the City, in the amount of $246,882 for Construction Management and Inspection services for the Projects, plus Extra Work Authorizations not to exceed $12,118, for a total not to exceed of $259,000.

6. Approve a supplemental appropriation for Fund 503 (TUMF) to add $374,500 in revenue and expenditures.

7. Approve a supplemental appropriation for Fund 201 (Measure A) to add $56,000 in expenditures.

8. Approve a revised appropriation for Fund 120 (Measure AA) to reduce expenditures by $506,500.

9. Approve a supplemental appropriation to Fund 300 (Cemetery) for an additional $500,000 in transfers out expenditures to Cemetery Fund 302.

10. Approve a revised appropriation for Fund 302 (Cemetery CIP) to increase expenditure appropriations by $925,000 and budgeted transfers in revenue by $1,743,000 to bring both the total appropriations and revenue to $1,843,000 each.

11. Approve a supplemental appropriation in Fund 440 (DIF) for an additional $405,000 in expenditures.

12. Approve a decrease in appropriations and revenues in Fund 500 Capital Reinvestment in the amount of $13,000.

13. Approve a supplemental appropriation in the General Fund to increase contractual service appropriations by $1,243,000 in the Police department in order to account for the reallocation of ARPA to the Cemetery Improvements Fund 302.

14. Adopt a Resolution entitled:

RESOLUTION 2024 - _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA APPROVING PROJECT PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS, AND AWARDING A CONSTRUCTION CONTRACT FOR THE PALOMAR STREET WIDENING PROJECT, PHASE 2 (CIP 028-2) AND THE CEMETERY IMPROVEMENTS PROJECT, PHASE 1 (CIP 067-1) (“PROJECTS”)

AND AUTHORIZING THE CITY MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH VAN ENGINEERING, INC. FOR THE PROJECTS

ADJOURN THE WILDOMAR CEMETERY DISTRICT MEETING

CITY MANAGER REPORT

1. General Plan & Development Code Update

FUTURE AGENDA ITEMS

Future Agenda Items

RECOMMENDATION:

Title- Councilmember-Anticipated Date

1. Expand Pavement Management/Road Rehab Program for private and public roads - Marquez - TBD

ADJOURN THE CITY COUNCIL MEETING

In accordance with Government Code Section 54952.3, I, Janet Morales, City of Wildomar City Clerk, do hereby declare that the Board of Trustees will receive no compensation or stipend for the convening of the following regular meeting of the Wildomar Cemetery District.

CALL TO ORDER THE WILDOMAR CEMETERY DISTRICT

ROLL CALL

Board discussion and determination on whether an absence is excused.

PUBLIC COMMENTS

BOARD COMMUNICATIONS

APPROVAL OF THE AGENDA AS PRESENTED

The Board of Trustees to approve the agenda as it is herein presented, or, if it is the desire of the Board, the agenda can be reordered, added to, or have items tabled at this time.

4. CEMETERY CONSENT CALENDAR

All matters listed under the Consent Calendar are considered routine and will be enacted by one roll call vote. There will be no separate discussion of these items unless members of the Board, the Public, or Staff request to have specific items removed from the Consent Calendar for separate discussion and/or action.

4.1 **City Council/Cemetery District Minutes - September 11, 2024.**
Presented By: Janet Morales , City Clerk's Office

RECOMMENDATION:
Approve the minutes as presented.

4.2 **September 2024 Cemetery Warrant Register**
Presented By: Adam Jantz , Administrative Services Department

RECOMMENDATION:
Approve the following:

For Fiscal Year 2024/2025

1. Warrant Register dated 09-05-2024 in the amount of $124.59.
2. Warrant Register dated 09-12-2024 in the amount of $92.39.

4.3 **August 2024 Cemetery Treasurers Report**
Presented By: Adam Jantz , Administrative Services Department

RECOMMENDATION:
Staff recommends that the Board of Trustees approve the Treasurer's Report for August 2024.

5. CEMETERY PUBLIC HEARINGS
No items scheduled.

6. CEMETERY GENERAL BUSINESS
No items scheduled.

GENERAL MANAGER REPORT

FUTURE AGENDA ITEMS

ADJOURN THE WILDOMAR CEMETERY DISTRICT MEETING

PARTICIPATION

MEETINGS

Regular City Council Meetings are held on the 2nd Wednesday of every month at 6:00 P.M., except for January, where it is held on the 3rd Wednesday of the month, in the City Council Chambers, 23873 Clinton Keith Road Ste. 106 Wildomar, CA 92595.

VIEW THE MEETING

1. In Person | City Council Chambers 23873 Clinton Keith Road Ste. 106 Wildomar, CA 92595

2. Cable TV | Frontier Channel 36 or AT&T Channel 99

3. Watch Live | https://www.cityofwildomar.org/129/Agendas-Videos-Watch-Live | Click on the "Watch Live Meeting Link".

PARTICIPATE IN THE MEETING

1. Fill out the speaker card located on the table near the entrance of the chambers.
2. Submit the speaker card to the City Clerk in the basket located at the front of the chambers.
3. When the City Clerk calls your name, please come up to the front podium.

During Public Comment not on the agenda and after each Agenda Item, the Mayor will announce Public Comment. Public Comments are limited to (3) minutes or such other time as the Council may provide. Per the Brown Act, City Council members are not allowed to respond to public comments not on the agenda. If you would like to be contacted, please leave your email or contact number on the public comment card.

ACCOMMODATIONS

In compliance with the Americans with Disabilities Act, if requested, the agenda and backup materials will be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans With Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Any person that requires a disability-related modification or accommodation, including auxiliary aids or services, in order to participate in the public meeting, may request such modification, accommodation, aid or service by contacting the City Clerk either in person or by phone at 951-677-7751, no later than 10:00 a.m. on the day preceding the scheduled meeting.

REPORTS

All agenda items and reports are available for review at City Hall, 23873 Clinton Keith Road and on the City's website at the following address: http://www.cityofwildomar.org. Any writings or documents provided to a majority of the City Council regarding any item on this agenda (other than writings legally exempt from public disclosure) will be made available by appointment for public inspection at City Hall during regular business hours.

AFFIDAVIT OF POSTING

I, Janet Morales, Wildomar City Clerk, do certify that at least 72 hours prior to the meeting, a true and correct copy of this agenda was posted at Wildomar City Hall, 23873 Clinton Keith Road; U.S. Post Office, 21392 Palomar Street; Wildomar Library, 34303 Mission Trail Blvd; and on the City's website at www.cityofwildomar.org.

Janet Morales, CMC
City Clerk
Dated: October 3, 2024

SUBJECT: CLOSED SESSION

ACTION:
The City Council will meet in closed session pursuant to the provisions of Government Code Section 54956.8 to confer with legal counsel and conference with real property negotiators as follows:

Project: Bundy Canyon Road Improvement Project, Segment 2 (CIP 026-2) Right-of-Way Acquisition
Properties: See below
Agency negotiator: Dan York, City Manager
Negotiating parties: See below

Negotiating Party/ Property Owner | APN | Location

Western Riverside County Regional Conservation Authority | 366-320-045| North side of Bundy Canyon Road, approximately 637' SW of Raciti Road

Western Riverside County Regional Conservation Authority | 366-320-012| Southeast side of Bundy Canyon Road, beginning +/- 200' northeast of Oak Circle Dr.

Western Riverside County Regional Conservation Authority | 366-320-008 and 366-310-006| Southeast side of Bundy Canyon Road, beginning +/- 200' northeast of Oak Circle Dr.

Bundy Canyon 38, LLC et al (Rancon) | 366-320-053 | North side of Bundy Canyon Road, north of Tulip Lane.

CITY OF WILDOMAR
CC - REGULAR MEETING
DEPARTMENT REPORT

Meeting Date: October 9, 2024

SUBJECT: City Clerk Department Report - Election Update

SUBMITTED BY: Janet Morales, City Clerk

ATTACHMENTS:
1. Presentation

NOVEMBER 5, 2024
ELECTION UPDATE

IMPORTANT DATES

Sept. 26th : Voter Registration Guides were mailed to all active registered voters

Oct. 7th: Vote-by-Mail ballots are on their way!

All registered voters will receive a vote-by-mail ballot beginning on this date.

Oct. 21st: Voter Registration Deadline

Last day to Register to vote, however, if you miss the deadline, you can still register conditionally through Election Day.

November 5th: ELECTION DAY

WAYS TO VOTE

BALLOT DROP-OFF BOXES

Monday Oct. 7th - Tuesday Nov. 5th

- Wildomar City Hall
  - 23873 Clinton Keith Road Ste. 110
  - Monday - Thursday 8am - 5pm*
- Wildomar Library
  - 34303 Mission Trail
  - Monday - Friday 10am - 3pm*
- Any Official Ballot Drop- Off Site in Riverside County
  - Ballot Drop Off Locator - voteinfo.net

* ELECTION DAY HOURS: 7am - 8pm

VOTE CENTERS

- 29-Day Vote Center
  - Monday Oct. 7th - Tuesday Nov. 5th
    - Registrar of Voters - 2720 Gateway Drive Riverside
- 11-Day Vote Centers
  - Saturday Oct. 26th - Tuesday Nov. 5th
    - Vote Center Locator - voteinfo.net
- 4- Day Vote Centers
  - Saturday Nov. 2nd - Tuesday Nov. 5th
    - Vote Center Locator - voteinfo.net
    - 9am - 5pm, Election Day 7am - 8pm

You can vote at any official vote center in Riverside County!

Wildomar City Hall
23873 Clinton Keith Rd. Ste. 106

Wildomar Library
34303 Mission Trail

Wildomar VFW
21180 Waite Street

MAIL BALLOT - USPS

Monday Oct. 7th - Tuesday Nov. 5th

- Paid Return Envelope- No postage Needed
- Must be Postmarked by November 5, 2024
- Must be Received by November 12, 2024
- Track your Ballot
  https://california.ballottrax.net/voter/

Don’t Forget to Sign your Ballot

VOTE

Contact Information

your vote matters

City Clerk's Office
Wildomar City Hall
www.cityofwildomar.org
951-677-7751 x210

Riverside County Registrar of Voters
www.voteinfo.net
951-486-7200

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.1
Meeting Date: October 9, 2024

SUBJECT: City Council Special Meeting Minutes - August 21, 2024

SUBMITTED BY: Janet Morales, City Clerk

ACTION:
Approve the minutes as presented.

ATTACHMENTS:
1. Minutes 08-21-2024

MINUTES
CITY OF WILDOMAR
CITY COUNCIL
WEDNESDAY, AUGUST 21, 2024
COUNCIL CHAMBERS
23873 CLINTON KEITH ROAD SUITE 106
WILDOMAR, CA, 92595

Special Session 5:00 PM

CALL TO ORDER

The Special Meeting of the Wildomar City Council was called to order by Mayor Moore at 5:00 p.m.

ROLL CALL

Members in attendance: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito, and Dustin Nigg

Members absent: None.

Staff in attendance: City Manager York, City Attorney Jex, City Clerk Morales, Community Development Director Bassi, Economic Development Director Davidson, Administrative Services Director Schrader, Public Works Director Farag, Human Resources and Risk Manager Wolf and Finance Manager Jantz.

FLAG SALUTE

The flag salute was led by Councilmember Nigg.

APPROVAL OF THE AGENDA AS PRESENTED

Moved by Dustin Nigg; seconded by Carlos Marquez to approve the agenda as presented.

Motion Approved: 5 - 0

Voting For: Joseph Morabito, Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Dustin Nigg
Voting Against: None
Abstain: None
Absent: None

1) CONSENT CALENDAR

No items were scheduled.

2) PUBLIC HEARINGS

No items were scheduled.

3) GENERAL BUSINESS

3.1) 2024 General Municipal Election - Option to Appoint to Office and Cancel the General Municipal Election in District 2

Councilmember Nigg recused himself due to a potential conflict of interest.

City Clerk Morales presented the staff report.

Councilmember Nigg provided public comment.

Moved by Joseph Morabito; seconded by Carlos Marquez to Adopt a Resolution entitled:

RESOLUTION NO. 2024 - 55
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, PROVIDING FOR THE APPOINTMENT TO THE OFFICE OF THIS CITY THAT WERE TO BE ELECTED ON TUESDAY, NOVEMBER 5, 2024 IN DISTRICT 2.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: Dustin Nigg
Absent: None

ADJOURN THE CITY COUNCIL MEETING

There being no further business, Mayor Moore adjourned the City Council Meeting at 5:11 p.m.

Submitted by:

Janet Morales, CMC
City Clerk

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.2
Meeting Date: October 9, 2024

SUBJECT: City Council/Cemetery District Minutes - September 11, 2024.

SUBMITTED BY: Janet Morales, City Clerk

ACTION:
Approve the minutes as presented.

ATTACHMENTS:
1. Minutes 9-11-2024

MINUTES
CITY OF WILDOMAR
CITY COUNCIL/CEMETERY DISTRICT
WEDNESDAY, SEPTEMBER 11, 2024
COUNCIL CHAMBERS
23873 CLINTON KEITH ROAD SUITE 106
WILDOMAR, CA, 92595

Closed Session: 5:30 PM | Regular Session 6:00 PM

CALL TO ORDER – CLOSED SESSION - 5:30 P.M.

The Regular Closed Session was called to order by Mayor Moore at 5:30 p.m.

ROLL CALL

Members in attendance: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito, and Dustin Nigg

Members absent: None.

PUBLIC COMMENTS

There were no public comments.

CLOSED SESSION

The City Council will meet in closed session pursuant to the provisions of Government Code Section 54956.9 (d)(1) to confer with legal counsel with regard to the following matters of pending litigation:

A. O'Neal Pack v. City of Wildomar et al; case number: CVME2401183

B. Richard Ostheimer v. City of Wildomar et al; case number: CVSW2403047

The City Council convened into Closed Session at 5:31 p.m.

RECONVENE INTO OPEN SESSION

The City Council reconvened into open session at 6:00 p.m. with all members present.

ANNOUNCEMENTS

City Attorney Jex stated that the City Council met regarding both items on the closed session agenda and the City Council voted 5-0 to defend both the litigation matters listed

on the agenda.

ADJOURN CLOSED SESSION

There being no further business, Mayor Moore adjourned the Closed Session at 6:00 p.m.

CALL TO ORDER – REGULAR SESSION - 6:00 P.M.

The Regular Meeting of the Wildomar City Council was called to order by Mayor Moore at 6:00 p.m.

ROLL CALL

Members in attendance: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito, and Dustin Nigg

Members absent: None.

Staff in attendance: City Manager York, City Attorney Jex, City Clerk Morales, Community Services Director Torres, Administrative Services Director Schrader, Public Works Director Farag, Finance Manager Jantz, Code Enforcement Manager Berroteran, Human Resources and Risk Manager Wolf and Senior Planner Lachgar.

FLAG SALUTE

The flag salute was presented by Troop 332.

MOMENT OF SILENCE - 9/11 REMEMBRANCE

Mayor asked for a moment of silence in remembrance of 9/11.

PRESENTATIONS

1. Proclamation: Constitution Week September 17th - 23rd
2. Proclamation: Pitt Hopkins Awareness Day

DEPARTMENT REPORTS

Code Enforcement Homeless Outreach update followed by The Regional Homeless Alliance/Baker Tilly Presentation given by Susan Price

Public Works/Engineering - Road Improvements Update

Community Services Departmental Update

Councilmember Nigg left the dias at 7:05 p.m.

PUBLIC COMMENTS

There were no public comments.

COUNCIL COMMUNICATIONS

The City Council members spoke regarding various committees, comm1ss1ons, and boards that they serve on locally and regionally and community events including:

1. Riverside Conservation Authority (RCA)

2. Riverside Transit Agency (RTA)
3. Riverside County Transportation Commission (RCTC)
4 League of California Cities
5. Southern California Association of Governments (SCAG)
6. Riverside County Habitat Conservation Agency (RCHCA)
7. Western Riverside Council of Governments (WRCOG)
8. Southwest Community Financing Authority (Animal Shelter)
9. Ad Hoc & Subcommittees
10. Community events
11. Regional events
12. Chamber of Commerce

APPROVAL OF THE AGENDA AS PRESENTED

Moved by Joseph Morabito; seconded by Carlos Marquez to approve the agenda as presented.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

1) CONSENT CALENDAR

1.1) July 10, 2024 - City Council/Cemetery District Regular Minutes

Approved the minutes as presented.

1.2) August 14, 2024 - City Council/Cemetery District Regular Minutes

Approved the minutes as presented.

1.3) August 2024 Warrant Register

Approved the following:

For Fiscal Year 2023/2024:
1. Warrant Register dated 08-01-2024 in the amount of $851,764.80
2. Warrant Register dated 08-08-2024 in the amount of $142,764.67
3. Warrant Register dated 08-15-2024 in the amount of $175,541.19
4. Warrant Register dated 08-22-2024 in the amount of $16,836.46
5. Warrant Register dated 08-29-2024 in the amount of $15,762.50.

For Fiscal Year 2024/2025:
1. Warrant Register dated 08-01-2024 in the amount of $7,707.94
2. Warrant Register dated 08-08-2024 in the amount of $41,511.98
3. Warrant Register dated 08-15-2024 in the amount of $137,016.25
4. Warrant Register dated 08-22-2024 in the amount of $198,984.23
5. Warrant Register dated 08-29-2024 in the amount of $1,413,184.04
6. Wire Transfer Register dated 07-31-2024 in the amount of $20,990.77
7. Payroll Register dated 08-01-2024 in the amount of $286,901.06.

1.4) July 2024 City Treasurers Report

Approved the Treasurer’s Report for July 2024.

1.5) Memorandum of Understanding (MOU) with the County of Riverside for Richard St. Improvements

Authorized the City Manager to sign the Memorandum of Understanding (MOU) with the County of Riverside.

1.6) Tri-Party Consultant Service Agreement for "The Bluffs at Hidden Springs" Specific Plan and EIR (PLN 24-0048)

1. Authorized the City Manager to execute a Tri-Party Consultant Services Agreement (Attachment A) between the City of Wildomar, The Bluffs at Hidden Springs, LLC, Inc. and PlaceWorks, Inc. for the preparation of The Bluffs Specific Plan (SP) and Environmental Impact Report (EIR); and

2. Authorized the City Manager to execute a Consultant Services Agreement/Contract between the City of Wildomar and PlaceWorks, Inc. for preparation of a Specific Plan and Environmental Impact Report for the Bluffs at Hidden Springs Project.

1.7) Agreement for Municipal Financial Advisory Services

Authorized the City Manager to execute the Agreement for Services with CSG Advisors, Inc. for Municipal Financial Advisory Services

1.8) FY2024-25 Wildland Fire Protection Agreement

Adopted a Resolution entitled:

RESOLUTION NO. 2024 - 56
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, APPROVING THE AGREEMENT WITH THE DEPARTMENT OF FORESTRY AND FIRE PROTECTION (CAL FIRE) FOR WILDLAND FIRE PROTECTION SERVICES FROM JULY 1, 2024 TO JUNE 30, 2025

1.9) Vacation of an Existing 30-foot Road Easement Lot C located in the Faith Bible Church Project Site (Project No. 19-0179)

Adopted a Resolution entitled:

RESOLUTION NO. 2024 -57
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, SUMMARILY VACATING A 30-FOOT ROAD EASEMENT (LOT “C”) LOCATED IN THE FAITH BIBLE PROJECT SITE, INCLUDING A RESERVATION OF A PUBLIC UTILITY EASEMENT

1.10) First Amendment to Agreement for Services between the City of Wildomar, California, and Gods Fan Club, Dba Project T.O.U.C.H.

Authorized the City Manager to execute Amendment #1 (Attachment A) of the Professional Services Agreement between the City of Wildomar and God's Fan Club, dba Project T.O.U.C.H., to be extended indefinitely.

1.11) Consideration of annual reporting of completed State mandated fire and life safety inspections by the City of Wildomar in compliance with SB 1205 for Fiscal Year 2023-2024

Adopted a Resolution entitled:

RESOLUTION NO. 2024 - 58
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, ACKNOWLEDGING RECEIPT OF A REPORT MADE BY THE FIRE CHIEF OF THE RIVERSIDE COUNTY FIRE DEPARTMENT REGARDING THE INSPECTION OF CERTAIN OCCUPANCIES REQUIRING ANNUAL INSPECTIONS IN SUCH OCCUPANCIES PURSUANT TO SECTIONS 13145, 13146, and 17921 OF THE CALIFORNIA HEALTH AND SAFETY CODE

1.12) Services Agreement for Human Resources Information System, Electronic Forms, and Performance Evaluation Software with NeoGov, Inc.

Authorized the City Manager to enter into an Agreement with NeoGov, Inc. by way of Order Form and Agreement for human resources information systems (HRIS) software, electronic forms, and performance evaluation software.

Moved by Carlos Marquez; seconded by Joseph Morabito to approve the Consent Calendar.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

2) PUBLIC HEARINGS

2.1) Consideration of Resolution of Necessity for Condemnation of a Portion of Vacant Property Identified by Assessor Parcel Number 362-250-025 for the Clinton Keith Road Widening Project (CIP 025-1)

City Attorney Jex and Public Works Director Farag presented the staff report.

Moved by Carlos Marquez; seconded by Joseph Morabito to
1. Conduct a hearing on the proposed Resolution 2024- 59 of the City of Wildomar finding and determining that the public interest, convenience, and necessity require the acquisition of certain property for public purposes; and

2. Review the evidence presented, including this staff report and public comments, and close the hearing; and

3. Find that on January 13, 2010, in accordance with the California Environmental Quality Act (CEQA) and State CEQA Guidelines §15070, the City Council adopted Resolution 2010-02 certifying a Mitigated Negative Declaration or the Clinton Keith Road Widening Project, and that no additional CEQA findings are required for the Project; and

4. Adopt a Resolution entitled:

RESOLUTION 2024 - 59
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR FINDING AND DETERMINING THAT THE PUBLIC INTEREST, CONVENIENCE AND NECESSITY REQUIRE THE ACQUISITION OF CERTAIN PROPERTY FOR PUBLIC PURPOSES

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

3) GENERAL BUSINESS

There were no items scheduled.

CITY MANAGER REPORT

City Manager York presented the report.

CR&R provided an update on the pilot clean-up voucher program.

FUTURE AGENDA ITEMS

There were no future agenda items added.

ADJOURN THE CITY COUNCIL MEETING

There being no further business, Mayor Moore adjourned the City Council Meeting at 8:24 p.m.

CALL TO ORDER THE WILDOMAR CEMETERY DISTRICT

The Regular Meeting of the Wildomar Cemetery District Meeting was called to order by Chair Moore at 8:25 p.m.

ROLL CALL

Members in attendance: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, and Joseph Morabito

Members absent: Dustin Nigg

PUBLIC COMMENTS

There were no public comments.

BOARD COMMUNICATIONS

There were no board communications.

APPROVAL OF THE AGENDA AS PRESENTED

Moved by Joseph Morabito; seconded by Carlos Marquez to approve the agenda as presented.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

4) CEMETERY CONSENT CALENDAR

4.1) July 10, 2024 - City Council/Cemetery District Regular Minutes

Approved the minutes as presented.

4.2) August 14, 2024 - City Council/Cemetery District Regular Minutes

Approved the minutes as presented.

4.3) August 2024 Cemetery Warrant Register

Approved the following:

For Fiscal Year 2023/20241. Warrant Register dated 08-08-2024 in the amount of $2,977.07.2. Warrant Register dated 08-22-2024 in the amount of $270.00.

For Fiscal Year 2024/20251. Warrant Register dated 08-01-2024 in the amount of $7,905.80.2. Warrant Register dated 08-08-2024 in the amount of $1,214.55.3. Warrant Register dated 08-22-2024 in the amount of $1,659.76.4. Warrant Register dated 08-29-2024 in the amount of $2,763.78.

4.4) July 2024 Cemetery Treasurers Report

Approved the Treasurer's Report for July 2024.

Moved by Carlos Marquez; seconded by Joseph Morabito to approve the Cemetery Consent Calendar.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

5) CEMETERY PUBLIC HEARINGS

There were no items scheduled.

6) CEMETERY GENERAL BUSINESS

There were no items scheduled.

GENERAL MANAGER REPORT

There was no general manager report.

FUTURE AGENDA ITEMS

There were no future agenda items added.

ADJOURN THE WILDOMAR CEMETERY DISTRICT MEETING

There being no further business, Chair Moore adjourned the Wildomar Cemetery District Meeting at 8:25 p.m.

Submitted by:

Janet Morales, CMC
City Clerk

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.3
Meeting Date: October 9, 2024

SUBJECT: September 2024 Warrant Register

SUBMITTED BY: Adam Jantz, Finance Manager

PREPARED BY: Adam Jantz, Finance Manager

ACTION:
Approve the following:

For Fiscal Year 2023/2024:
1. Warrant Register dated 09-12-2024 in the amount of $926,922.27.

For Fiscal Year 2024/2025:
1. Warrant Register dated 09-05-2024 in the amount of $30,739.89.
2. Warrant Register dated 09-12-2024 in the amount of $648,948.37.
3. Warrant Register dated 9-16-2024 through 9-30-2024 in the amount of $138,843.48.
4. Wire Transfer Register dated 09-30-2024 in the amount of $898,220.92
5. Payroll Register dated 10-01-2024 in the amount of $313,448.43.

SUMMARY:
September 2024 City Warrant Register

DISCUSSION:
The City of Wildomar requires that the City Council audit payments of demands and direct the City Manager to issue checks. The Warrant and Payroll Registers are submitted for approval. The City went live with a new financial software over the month of September so there is some variation in the formatting.

FISCAL IMPACT:
These Warrant, Wire Transfer and Payroll Registers will have a budgetary impact in the amount and fiscal year noted in the recommendation section of this report. These costs are included in the Fiscal Years 2023/24 and 2024/25 Budgets.

ATTACHMENTS:
September 2024 City Warrant Register.pdf

Bank code : wf

Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
218754	9/5/2024	000033 AMERICAN FORENSIC NURSES	78909		BLOOD DRAW (5)	350.00
			78912		BLOOD DRAW (1)	70.00
					Total :	**420.00**
218755	9/5/2024	001748 CALIFORNIA CONSULTING, INC.	7123	0000561	GRANT WRITING SERVICE - SEP 2024 RETAINE	5,200.00
					Total :	**5,200.00**
218756	9/5/2024	000022 EDISON	052924-2458		04/29/24-05/28/24 32972 WELLS PL	397.94
			062724-2458		05/29/24-06/26/24 32972 WELLS PL	381.47
			073024-2458		06/27/24-07/29/24 32972 WELLS PL	408.49
			082724-6091		07/09/24-08/26/24 ELEC - 21347 COMO ST (	136.32
			082724-7258		07/09/24-08/26/24 ELEC 21400 PALOMAR (CE	459.75
			082724-9129		07/09/24-08/26/24 ELEC - 32637 GRUWELL (	1,444.51
			082824-2458		07/30/24-08/27/24 32972 WELLS PL	377.05
			090424-2458CR	S	03/28/24-04/28/24 32972 WELLS PL	-1,350.37
					Total :	**2,255.16**
218757	9/5/2024	000012 ELSINORE VALLEY MUNICIPAL, WATER D	13159647		07/16/24-08/16/24 WATER ZONE 3 LOC 23 M1	620.85
			13159856		07/16/24-08/16/24 WATER ZONE 30 LOC 2	113.99
			13159896		07/16/24-08/16/24 WATER ZONE 30 LOC 49 M	113.99
			13160149		07/16/24-08/16/24 WATER ZONE 51 LOC 1	189.11
			13160314		07/16/24-08/16/24 WATER BASEBALL FIELD	1,427.35
			13160355		07/16/24-08/16/24 WATER WINDSONG PARK	1,104.01
			13160861		07/16/24-08/16/24 WATER ZONE 3 LOC 29 M2	438.20
			13160938		07/16/24-08/16/24 WATER ZONE 3 LOC 29 M1	348.93
			13160941		07/16/24-08/16/24 WATER ZONE 30 LOC 1	755.21
			13161039		07/16/24-08/16/24 WATER ZONE 3 LOC 42 &4	316.52
			13161433		07/16/24-08/16/24 WATER 22450 1/2 CERVER	155.56
			13161676		07/16/24-08/16/24 WATER 22450 CERVERA	185.47
			13162767		07/16/24-08/16/24 WATER ZONE 62 - 22933	275.49

Bank code : wf

Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
218757	9/5/2024	000012 ELSINORE VALLEY MUNICIPAL, WATER D	(Continued)			
			13162854		07/16/24-08/16/24 WATER ZONE 67 - ARNNET	113.24
			13163261		07/16/24-08/16/24 CFD 2022-1 NE WILDOMAR	295.21
			13163500		07/18/24-08/18/24 WATER ZONE 3 LOC 35 M1	607.76
			13163705		07/18/24-08/18/24 WATER CITY HALL	354.22
			13166526		07/18/24-08/18/24 WATER 24707 PRELIPP RD	818.00
					Total :	**8,233.11**
218758	9/5/2024	002071 EPIC LAND SOLUTIONS, INC.	0724-1474		WILDOMAR - CITY HALL BUILDING PROJECY. P	1,373.05
					Total :	**1,373.05**
218759	9/5/2024	000685 GREAT AMERICA FINANCIAL SERVIC	37297085		CANON COLOR COPIER SYST. #019-1780554	214.24
					Total :	**214.24**
218760	9/5/2024	001172 HILLSIDE HEATING & A/C INC	72520		IT SERVICES	791.41
					Total :	**791.41**
218761	9/5/2024	000499 INLAND EMPIRE LANDSCAPE INC	43909		JULY 2024 LANDSCP MARNA O'BRIEN PARK	9,867.40
					Total :	**9,867.40**
218762	9/5/2024	001720 STERICYCLE, INC	800817566A		CONTRACTUAL SHREDDING SVC	170.63
					Total :	**170.63**
218763	9/5/2024	001505 THE ENDEAVOR PRODUCTION, GROUP	1167		MAYOR'S MINUTE - AUG 2024 - KP OPENING	500.00
					Total :	**500.00**
218764	9/5/2024	000103 ULINE	181775275		ULINE MANAGER VEST - ORANGE (1)	189.77
					Total :	**189.77**
218765	9/5/2024	000437 VERIZON WIRELESS	9972080090		08/23/24-09/22/24 DATA INT CHRG 9239	1,485.11
			9972080091		08/23/24/09/22/24 DATA INTERNET CHRG 619	40.01
					Total :	**1,525.12**

Bank code : wf

Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
12	Vouchers for bank code :	wf			Bank total :	30,739.89
12	Vouchers in this report				Total vouchers :	30,739.89

Bank code : wf

Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
218767	9/12/2024	000068 COUNTY OF RIVERSIDE, FIRE DEPARTM	235413		FIRE PROTECTION SERVICES 04/01/24-06/30/	941,861.96
			235413		AMR FINES 04/01/24-06/30/24	-14,939.69
					Total :	**926,922.27**

1 Vouchers for bank code : wf **Bank total : 926,922.27**

1 Vouchers in this report **Total vouchers : 926,922.27**

Bank code : wf

Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
218768	9/12/2024	000007 ANIMAL FRIENDS OF THE VALLEY,, INC.	SEP 2024		ANIMAL CONTROL SERVICE SEP 2024	7,687.50
					Total :	**7,687.50**
218769	9/12/2024	001002 ARCHITERRA DESIGN GROUP	32550		06/25/24-07/24/24 CIP 099, DESIGN PS&E	19,893.00
					Total :	**19,893.00**
218770	9/12/2024	000080 BURKE, WILLIAMS AND SORENSON,, LLF	326116		LEGAL FEES - JULY 2024 CITY ATTORNEY RET	55,047.62
					Total :	**55,047.62**
218771	9/12/2024	001902 CIVICPLUS LLC	310855	0000523	CIVICGOG ERP SOFTWARE	12,399.94
					Total :	**12,399.94**
218772	9/12/2024	000037 DATA TICKET, INC.	168181		JULY 2024 ONLINE ACCESS	438.00
			168811		JULY 2024 DAILY CITE PROCESSING	510.28
					Total :	**948.28**
218773	9/12/2024	000022 EDISON	060624-8975		08/01/24-08/31/24 CFD ZONE 3	132.53
			060624-9127		08/01/24-08/31/24 ELECTRIC CFD 2013-001	251.66
			0903024-4293CR		08/01/24-08/31/24 CLINTON KEITH/GRAND AV	-0.40
			090324-4293		08/01/24-08/31/24 CSA22 SALES ACQUISITIO	6,238.56
			090324-4487		08/01/24-08/31/24 20505 PALOMAR ST (MARN	65.24
			090324-4487CR		08/01/24-08/31/24 20505 PALOMAR ST (MARN	-8.24
			090624-0828		08/01/24-08/31/24 ELECTRIC WILDOMAR CITY	172.21
			090624-0962		08/01/24-08/31/24 ELECTRIC CFD 2013-001	255.89
			090624-1202		08/01/24-08/31/24 HIDDEN SPRINGS/CLINTON	24.36
			090624-1757		08/01/24-08/31/24 ELECTRIC CFD 2013-001	207.24
			090624-4610		08/01/24-08/31/24 ELECTRIC CFD 2013-001-	132.55
			090624-4845		08/01/24-08/31/24 CFD ZONE 2	66.27
			090624-7481		07/15/24-08/31/24 CSA 103	506.91
			090624-7504		08/01/24-08/31/24 CFD 2013-1 ORANGE/CORA	35.26
			090624-7694		08/01/24-08/31/24 CFD ZONE 3	225.39

Bank code : wf

Voucher	Date	Vendor		Invoice	PO #	Description/Account	Amount
218773	9/12/2024	000022	000022 EDISON	(Continued)		Total :	8,305.43
218774	9/12/2024	001450	FRANCHISE TAX BOARD	91224A		WITHHOLDING ORDERS S STANTON CASE #56217	50.00
				91224B		WITHOLDING ORDER - R. BERROTERAN CASE #5	100.00
						Total :	150.00
218775	9/12/2024	001666	INFINITY TECHNOLOGIES	2835	0000564	AUG 2024 GIS CONTRACTUAL SERVICES	3,200.00
				2877A	0000525	AUG 2024 DATTO OFFICE 365 BACKUP SERVICE	202.50
				2877B	0000503	AUG 2024 MONTHLY IT SERVICES	11,300.00
				2877C	0000540	AUG 2024 PROOFPOINT ESSENTIALS ADVANCE	516.00
				2877D		AMAZON ORDER OF REPLACEMENT MONITOR FOR	172.45
						Total :	15,390.95
218776	9/12/2024	000499	INLAND EMPIRE LANDSCAPE INC	43997		JULY 2024 MARNA O'BRIEN LANDSCP IRRIGATI	320.23
				43998		JULY 2024 LANDSCP IRRIGATION REPAIRS ZON	3,388.25
						Total :	3,708.48
218777	9/12/2024	000016	INNOVATIVE DOCUMENT SOLUTIONS	263287		8/1/24-8/31/24 CONTRACT COPIER SERVICES	1,163.75
						Total :	1,163.75
218778	9/12/2024	001107	PLACEWORKS	83673		JULY 2024 CONTRACTUAL SVC - BUNDY CANYON	7,376.25
				83676		JULY 2024 PROF. SVCS. CIPC 099 20-ACRE P	1,185.75
						Total :	8,562.00
218779	9/12/2024	000047	RIVERSIDE COUNTY, SHERIFF'S DEPART	SH0000046482		CONTRACT LAW ENFORCEMENT THROUGH 07/24/2	399,254.40
						Total :	399,254.40
218780	9/12/2024	001806	SOUTHERN CALIFORNIA NEWS, GROUP	11685414		PUBLIC NOTICE - CODE ENF-PROPOSED	184.96
				11686568		PUBLIC NOTICE - ELECTION 2024	280.47
				11687859		PUBLIC NOTICE - TPM 38881/VAR24-0009	286.70
				11687873		PUBLIC NOTICE - ORD 242 SEWAGE	205.67

Bank code : wf

Voucher	Date	Vendor		Invoice	PO #	Description/Account	Amount
218780	9/12/2024	001806	001806 SOUTHERN CALIFORNIA NEWS, GROUP (Continued)			**Total :**	**957.80**
218781	9/12/2024	001021	SPICER CONSULTING GROUP	1684		FY 23/24 ANNUAL ADMIN LLMD89-1-C	4,964.00
				1694		CFD 2022-1 ANNEX 12, OSR II (50%)	7,000.00
						Total :	**11,964.00**
218782	9/12/2024	002052	ST. FRANCIS ELECTRIC	23164150		TRAFFIC SIGNAL RESPONSE JULY 2024	2,124.75
				23164152		TRAFFIC SIGNAL RESPONSE JULY 2024	138.00
						Total :	**2,262.75**
218783	9/12/2024	000918	TKE ENGINEERING INC	2024-950		CONTRACTUAL SVC 07/01/24-07/31/24	13,612.50
						Total :	**13,612.50**
218784	9/12/2024	000131	WESTERN RIVERSIDE COUNTY, RCA	90424		MSHCP MITIGATION FEES: JULY 2024	87,639.97
						Total :	**87,639.97**

17 Vouchers for bank code : wf **Bank total : 648,948.37**

17 Vouchers in this report **Total vouchers : 648,948.37**

City of Wildomar
A/P Payment History by Payment Date
September 16, 2024 - September 30, 2024

Date	Bill Type	Transaction	Memo	Document Number	Amount
9/18/2024	Bill Payment	Bill Payment #218787 - V01386 SOCALGAS	08/07/24-09/06/24 Gas - Fire Dept 32637 Gruwell	218787	$52.34
9/19/2024	Bill Payment	Bill Payment #218788 - V01015 SPICER CONSULTING GROUP	MAINT. DISTRICT ADMINISTRATION - JULY 2024	218788	$4,964.00
9/19/2024	Bill Payment	Bill Payment #218789 - V02039 ST. FRANCIS ELECTRIC	TS MAINTENANCE - JULY 2024	218789	$815.75
9/19/2024	Bill Payment	Bill Payment #218790 - V02038 PLACER LABS, INC.	Location Based Services & Analytics August 15, 2024-August 14, 2025	218790	$17,900.00
9/19/2024	Bill Payment	Bill Payment #218791 - V02191 LIFE TREE SERVICES	Emergency tree branch removal at 23035 Cinnabar Ct, Wildomar	218791	$800.00
9/19/2024	Bill Payment	Bill Payment #218792 - V00036 BIO-TOX LABORATORIES	RC Sheriff- Lab Services	218792	$1,644.53
9/19/2024	Bill Payment	Bill Payment #218793 - V00036 BIO-TOX LABORATORIES	RC Sheriff- Lab Services	218793	$80.00
9/19/2024	Bill Payment	Bill Payment #218794 - V00912 TKE ENGINEERING INC	CIP 088, DESIGN PS&E	218794	$5,681.00
9/19/2024	Bill Payment	Bill Payment #218795 - V01084 T-MOBILE USA INC	Police Case Investigation WI242200079	218795	$115.00
9/19/2024	Bill Payment	Bill Payment #218796 - V00013 CR&R INC.	WASTE AND RECYCLING SERVICES 09/01/24-09/30/24	218796	$832.25
9/19/2024	Bill Payment	Bill Payment #218797 - V01913 SCA OF CA, LLC	Street Sweeping - August 2024	218797	$4,882.97
9/19/2024	Bill Payment	Bill Payment #218798 - V00779 CORELOGIC SOLUTIONS, LLC	AUGUST 2024 CODE ENFORCEMENT SOFTWARE	218798	$476.75
9/19/2024	Bill Payment	Bill Payment #218799 - V00004 CRYSTAL CLEAN MAINTENANCE	Aug 2024 Janitorial Services	218799	$3,214.75
9/19/2024	Bill Payment	Bill Payment #218800 - V00024 EDISON	08/13/24-09/11/24 23873 Clinton Keith Rd Suite 103	218800	$2,771.34
9/19/2024	Bill Payment	Bill Payment #218801 - V00679 GREAT AMERICA FINANCIAL SERVIC	Canon Color Copier Syst. 020-1472515	218801	$664.53
9/19/2024	Bill Payment	Bill Payment #218802 - V01754 CHARTER COMMUNICATIONS	Cable through 10/07/24 - FS61	218802	$5.35
9/19/2024	Bill Payment	Bill Payment #218803 - V01336 FILAR, ERIC	Planning Commission 09/04/24	218803	$75.00
9/19/2024	Bill Payment	Bill Payment #218804 - V01412 BERNARD, BRIANNA	Planning Commission 09/04/24	218804	$75.00
9/23/2024	Bill Payment	Bill Payment #218805 - V00985 ROSE CITY LABEL	Sheriff Riverside County Badge Labels (2000)	218805	$166.00
9/23/2024	Bill Payment	Bill Payment #218806 - V01101 PLACEWORKS	August 2024 Contractual Svc - Project Related	218806	$18,144.60
9/23/2024	Bill Payment	Bill Payment #218807 - V02159 CENTRAL SECURITY SERVICES	Alarm Monitoring Services 09/05/24-11/30/24	218807	$201.41
9/23/2024	Bill Payment	Bill Payment #218808 - V00989 STRONG, KIM	Planning Commission 09/04/24	218808	$75.00
9/25/2024	Bill Payment	Bill Payment #218809 - V01903 HDL SOFTWARE LLC.	August 2024 HdL Fees	218809	$2,948.67
9/25/2024	Bill Payment	Bill Payment #218810 - V01903 HDL SOFTWARE LLC.	August 2024 HdL Fees	218810	$2,948.67
9/25/2024	Bill Payment	Bill Payment #218811 - V02205 CORODATA RECORDS, INC.	6/1/24-6/30/24 Storage Services	218811	$53.95
9/25/2024	Bill Payment	Bill Payment #218812 - V02003 ARTOVATOR	Face Painting for Mariachi Night & City Birthday	218812	$1,247.18
9/25/2024	Bill Payment	Bill Payment #218813 - V01523 LOGO JOE'S	12 Sport-Tek Yupoong Flat Bill Snapback Cap Color: True Navy/White	218813	$253.17
9/25/2024	Bill Payment	Bill Payment #218814 - V02199 SITE SERVICES OF AMERICA	Reservation Cancellation Fee	218814	$50.00
9/25/2024	Bill Payment	Bill Payment #218815 - V00014 ELSINORE VALLEY MUNICIPAL, WATER DISTRICT	07/16/24-08/16/24 Cemetery Water Services	218815	$9,580.34
9/25/2024	Bill Payment	Bill Payment #218816 - V00187 RIGHTWAY	(2) Cemetery Restroom Maintenance/Service 8/26/24-9/22/24	218816	$452.18
9/25/2024	Bill Payment	Bill Payment #218817 - V01925 HONOR PLUMBING CO	Emergency Service- Marna O'Brien Restroom	218817	$3,235.00
9/25/2024	Bill Payment	Bill Payment #218818 - V02203 ASIFP, INC.	City Hall 5 Years Sprinkler and Riser Inspection	218818	$835.00
9/25/2024	Bill Payment	Bill Payment #218819 - V00033 AFLAC, REMITTANCE PROCESSING, CENTER	Aflac Premium Statement September 2024	218819	$307.07
9/25/2024	Bill Payment	Bill Payment #218820 - V01615 COMMERCIAL BUILDING MANAGEMENT, SERVICES	August 2024 Janitorial Service	218820	$5,388.79
9/25/2024	Bill Payment	Bill Payment #218821 - V00363 CINTAS CORPORATION	Cabinet Refills at City Hall	218821	$624.24
9/25/2024	Bill Payment	Bill Payment #218822 - V00024 EDISON	08/16/24-09/16/24 32975 Willow Bay Rd TC1	218822	$149.76
9/25/2024	Bill Payment	Bill Payment #218823 - V00363 CINTAS CORPORATION	Staff Uniform & Towel Maintenance	218823	$151.94
9/25/2024	Bill Payment	Bill Payment #218824 - V00784 SPARKLETTS	City Hall Drinking Water Through 09/14/24	218824	$630.66
9/25/2024	Bill Payment	Bill Payment #218825 - V01252 SUNBELT RENTALS, INC.	Equipment Rental	218825	$1,022.61
9/25/2024	Bill Payment	Bill Payment #218826 - V01620 AMERICAN EAGLE TROPHIES	1 Plaque 18 plate Genuine Walnut Elliptical Edge Completed Perpetual Plaque	218826	$257.74
9/26/2024	Bill Payment	Bill Payment #218827 - V00073 INTERWEST CONSULTING GROUP	Professional Services Non CIP	218827	$22,204.08
9/26/2024	Bill Payment	Bill Payment #218828 - V00363 CINTAS CORPORATION	Staff Uniform & Towel Maintenance	218828	$455.82
9/26/2024	Bill Payment	Bill Payment #218829 - V00363 CINTAS CORPORATION	SD Eyewash Service Agreement	218829	$141.38
9/26/2024	Bill Payment	Bill Payment #218830 - V00679 GREAT AMERICA FINANCIAL SERVIC	Canon Color Copier Syst. 018-1765784	218830	$242.81
9/26/2024	Bill Payment	Bill Payment #218831 - V00187 RIGHTWAY	09/12/24-10/09/24- Porta/Washstn- Windsong 2 Scheduled Services	218831	$803.50
9/26/2024	Bill Payment	Bill Payment #218832 - V00014 ELSINORE VALLEY MUNICIPAL, WATER DISTRICT	08/06/24/09/06/24 Water Baseball Field	218832	$12,267.13
9/26/2024	Bill Payment	Bill Payment #218833 - V01015 SPICER CONSULTING GROUP	CFD 2022-1 Annex 11, ROI (50%)	218833	$7,000.00
9/26/2024	Bill Payment	Bill Payment #218834 - V01640 LACHGAR, ABDURAHMAN	Project Management Course	218834	$895.00
9/26/2024	Bill Payment	Bill Payment #218835 - V00095 STAUFFERS LAWN EQUIPMENT	Furniture & Equipment	218835	$136.94
9/26/2024	Bill Payment	Bill Payment #218836 - V00039 DATA TICKET, INC.	August 2024 Online Access	218836	$922.28
				Total:	$138,843.48

City of Wildomar
Payroll Warrant Register
10/1/2024

ACH Date	Payee	Description		Amount
9/11/2024	Heartland Payroll	8/24/2024-9/6/2024	$	171,666.51
9/25/2024	Heartland Payroll	9/7/2024-9/20/2024	$	140,309.49
9/30/2024	Heartland Payroll	9/1/2024-9/30/2024	$	1,472.43
		TOTAL	**$**	**313,448.43**

City of Wildomar
Wire Transfer Register
9/30/2024

ACH Date	Payee	Description	Amount
9/3/2024	Wells Fargo	Bank Admin Fee	$ 41.00
9/4/2024	KB Homes	DIF Reimbursement for CFD2022-1 Bonds	$ 853,758.56
9/13/2024	Frontier Communications	Monthly Phone and Internet Services	$ 81.47
9/13/2024	Viasat, Inc.	Cemetery Phone and Internet	$ 177.53
9/13/2024	Viasat, Inc.	Cemetery Phone and Internet	$ 417.53
9/16/2024	Big Easy Storage	Fleet Vehicle Storage	$ 299.00
9/16/2024	Big Easy Storage	Fleet Vehicle Storage	$ 299.00
9/16/2024	Big Easy Storage	Fleet Vehicle Storage	$ 299.00
9/16/2024	Big Easy Storage	Fleet Vehicle Storage	$ 321.29
9/16/2024	Big Easy Storage	Fleet Vehicle Storage	$ 437.42
9/17/2024	Frontier Communications	Monthly Phone and Internet Services	$ 159.99
9/18/2024	US Bank	Credit Card Statement Payment - Business Meals, Conference Expenses, Organizational Memberships, Special Event Supplies, Repairs & Maintenance, and Office Supplies	$ 22,592.41
9/20/2024	Enterprise Fleet Management	Monthly City Vehicle Lease Payment	$ 5,650.08
9/26/2024	Corner Escrow	Palomar Widening ROW Acquisition APN 376-051-003	$ 13,000.00
9/26/2024	Frontier Communications	Monthly Phone and Internet Services	$ 614.48
9/26/2024	Frontier Communications	Monthly Phone and Internet Services	$ 72.16
		TOTAL	$ 898,220.92

SUBJECT: August 2024 City Treasurers Report

SUBMITTED BY: Adam Jantz, Finance Manager

PREPARED BY: Adam Jantz, Finance Manager

ACTION:
Approve the Treasurer's Report for August 2024.

SUMMARY:
August 2024 City Treasurer's Report

DISCUSSION:
Attached is the Treasurer's Report for Cash and Investments for the month of August 2024. The City utilizes both the California State Treasurer's Local Agency Investment Fund (LAIF) and the California Asset Management Program (CAMP) for its city investments.

On October 12th, 2022, the City entered into an agreement with PFM Asset Management as an investment advisor for the City's CAMP investment pool and established an additional managed CAMP account for long-term investments. Over time, this is expected to increase the returns on the City investments above the normal CAMP pool rate.

Over this month, the City earned $147,857.48 in interest from investment accounts and $39,329.75 from its checking sweep account.

FISCAL IMPACT:
This is only a report of balances for the City and therefore it has no fiscal impact.

ACCOUNT CODE:
100-1012
100-1011
110-1011
115-1011
120-1011
201-1011
204-1011 (Formerly Fund 212)
300-1011
301-1011
420-1011
421-1011
440-1011
461-1011

ATTACHMENTS:
August 2024 City Treasurer's Report.pdf

CITY OF WILDOMAR
TREASURER'S REPORT FOR
CASH AND INVESTMENT PORTFOLIO

August 2024

CITY CASH

FUND	ACCOUNT	INSTITUTION	BEGINNING BALANCE	+ DEPOSITS	(-) WITHDRAWALS	ENDING BALANCE	RATE
All	All	WELLS FARGO	$ 6,556,699.49	$ 2,187,575.77	(2,456,903.06)	$ 6,287,372.20	5.13095%
		TOTAL	$ 6,556,699.49	$ 2,187,575.77	$ (2,456,903.06)	$ 6,287,372.20	

CITY INVESTMENT

FUND	ISSUER	BOOK VALUE	FACE VALUE	MARKET VALUE	PERCENT OF PORTFOLIO	AVERAGE DAYS TO MAT.	STATED RATE
100	LOCAL AGENCY INVESTMENT FUND	$ 5,054,794.50	$ 5,054,794.50	$ 5,054,794.50	12.26%	N/A	4.579%
Various	CAMP POOL	$ 12,315,742.53	$ 12,315,742.53	$ 12,315,742.53	29.87%	N/A	5.410%
Various	CAMP MANAGED ACCOUNT	$ 22,857,332.53	$ 22,857,332.53	$ 23,855,461.81	57.87%	880	4.400%
	TOTAL	$ 40,227,869.56	$ 40,227,869.56	$ 41,225,998.84	100.00%		

CITY	TOTAL CASH AND INVESTMENTS	$ 46,515,241.76

BREAKDOWN

FUND		ISSUER	BEGINNING BALANCE	+ PURCHASES	+ INTEREST DEPOSITED	(-) WITHDRAWALS/ SALES	ENDING BALANCE	STATED RATE
100	General	LOCAL AGENCY INVESTMENT FUNDS	$ 5,054,794.50	$ 0.00	$ 0.00	$ 0.00	$ 5,054,794.50	4.579%
100	General	CAMP POOL	$ 4,994,839.56	$ 0.00	$ 22,907.68	$ 0.00	$ 5,017,747.24	5.410%
115	ARPA	CAMP POOL	$ 1,592,250.07	$ 0.00	$ 7,302.49	$ 0.00	$ 1,599,552.56	5.410%
120	AA	CAMP POOL	$ 2,612,798.38	$ 0.00	$ 11,982.99	$ 0.00	$ 2,624,781.37	5.410%
461	DIF Park Imp.	CAMP POOL	$ 2,631,866.34	$ 0.00	$ 12,070.44	$ 0.00	$ 2,643,936.78	5.410%
301	Endowment	CAMP POOL	$ 427,762.75	$ 0.00	$ 1,961.83	$ 0.00	$ 429,724.58	5.410%
100	General	CAMP MANAGED ACCOUNT	$ 6,205,714.99	$ 0.00	$ 25,026.43	$ 0.00	$ 6,230,741.42	4.400%
110	Dev. Agrmnt.	CAMP MANAGED ACCOUNT	$ 2,338,836.93	$ 0.00	$ 9,390.50	$ 0.00	$ 2,348,227.43	4.400%
120	AA	CAMP MANAGED ACCOUNT	$ 6,309,937.99	$ 0.00	$ 25,408.56	$ 0.00	$ 6,335,346.55	4.400%
201	Measure A	CAMP MANAGED ACCOUNT	$ 1,174,043.29	$ 0.00	$ 4,710.31	$ 0.00	$ 1,178,753.60	4.400%
212	Waste Svcs.	CAMP MANAGED ACCOUNT	$ 1,045,958.02	$ 0.00	$ 4,210.97	$ 0.00	$ 1,050,168.99	4.400%
300	Cemetery	CAMP MANAGED ACCOUNT	$ 1,045,958.02	$ 0.00	$ 4,210.97	$ 0.00	$ 1,050,168.99	4.400%
420	Public Fac.	CAMP MANAGED ACCOUNT	$ 501,342.23	$ 0.00	$ 2,011.41	$ 0.00	$ 503,353.64	4.400%
421	Police Fac.	CAMP MANAGED ACCOUNT	$ 501,342.23	$ 0.00	$ 2,011.41	$ 0.00	$ 503,353.64	4.400%
440	DIF Roads	CAMP MANAGED ACCOUNT	$ 2,635,474.17	$ 0.00	$ 10,628.68	$ 0.00	$ 2,646,102.85	4.400%
461	DIF Park Imp.	CAMP MANAGED ACCOUNT	$ 1,007,092.60	$ 0.00	$ 4,022.81	$ 0.00	$ 1,011,115.41	4.400%
		TOTAL	$ 40,080,012.08	$ 0.00	$ 147,857.48	$ 0.00	$ 40,227,869.56	

In compliance with the California Code Section 53646, as City Treasurer for the City of Wildomar, I hereby certify that sufficient investment liquidity and anticipated revenues are available to meet the City's expenditure requirements for the next six months, and that all investments are in compliance with the City's Statement of Investment Policy.

I also certify that this report reflects all Government Agency pooled investments and all of the City's Bank Balances.

Heidi Schrader
Heidi Schrader
City Treasurer

9/16/2024
Date

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.5
Meeting Date: October 9, 2024

SUBJECT:

Annexation No. 7, Tract Nos. 36781 and 36782 into Community Facilities District No. 2022-1 (Services) for Westpark Promenade

SUBMITTED BY: Jason Farag, Public Works Director

PREPARED BY: Ninette Eva, Associate Engineer

ACTION:
Adopt a Resolution entitled:

RESOLUTION NO. 2024 - ____
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ITS INTENTION TO ANNEX TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES), OF THE CITY OF WILDOMAR, ADOPTING A MAP OF THE AREA PROPOSED TO BE ANNEXED (ANNEXATION NO. 7) AND AUTHORIZING THE LEVY OF SPECIAL TAXES THEREIN

SUMMARY:
The resolution of intention will begin the proceedings for the annexation of Westpark Promenade into the Community Facilities District No. 2022-1 for Maintenance Services and will authorize the levying of special taxes on parcels of the taxable property to cover the costs associated with the maintenance of public improvements.

BACKGROUND:
On June 8, 2022 the City Council adopted Resolution No. 2022-30 establishing Community Facilities District No. 2022-1 (Services) of the City of Wildomar (the "CFD No. 2022-1" or "District") and authorizing the levying of special taxes on parcels of taxable property for the purpose of providing certain services which are necessary to meet increased demands placed upon the City.

The owner, CRP/CWR Westpark Project, LLC, of TR 36781 and 36782 containing 13.68 gross acres within the City, has requested that the City annex this territory into CFD No. 2022-1 (Services) to cover the costs associated with the maintenance of public improvements. The improvements proposed to be maintained include items such as landscaping, lighting, street maintenance, drainage, parks, and graffiti abatement.

The landowner has advised the City that they desire the area described in Exhibit A of the Resolution of Intention to be annexed into CFD No. 2022-1 and that a rate and method of apportionment of special tax to be levied therein be established.

DISCUSSION:

The area proposed within Annexation No. 7 will encompass 13.68 acres to include 191 residential units, with a FY 2024-25 maximum annual tax of $916 per unit, per year. The property proposed to be annexed into CFD No. 2022-1 will be included in Tax Zone 7. This tax rate includes a Maximum Special Tax A of $389 per residential unit per year for maintenance services of public facilities, and a Maximum Special Tax B of $474.08 per residential unit per year for safety services and a Special Tax C (Contingent) of $53 per residential unit per year. Special Tax C (contingent) is for drainage improvements being maintained by the property owner and will not be levied unless the owner fails to maintain the facilities to City standards. These tax rates are proposed to escalate each year. Maximum Special Tax A will increase by the greater of Consumer Price Index (CPI) or 2%, Special Tax B will increase by the greater of CPI or 5%, and Special Tax C will increase by the greater of CPI or 2%, all not to exceed 6%. CRP/CWR Westpark Project, LLC has agreed to the annexation into the CFD and submitted a "Consent and Waiver" form on file in the City Clerk's Office, to initiate and conduct proceedings pursuant to the Mello-Roos Act of 1982, requesting the annexation of property to CFD No. 2022-1 (Services) and consenting to the shortening of election time requirements, waiving analysis and arguments, and waiving all notice requirements relating to conduct the election.

The next step to annex the property to CFD No. 2022-1 is to publish a notice of public hearing of the proposed annexation as required by the Mello-Roos Act. A public hearing on the matter will take place on November 13, 2024, and at that time the Council will formally consider approval of Annexation No. 7.

FISCAL IMPACT:
The projected levy for FY 2024-25 is $74,345 for the first year of Special Tax A maintenance services. Special Tax B Tax Zone 7 will generate $90,549 once all 191 units are developed. Special Tax C, if needed, will generate $10,194. These levies are intended to offset the City's future costs to maintain the new public improvements and provide public safety services. Costs associated with the processing of this annexation are covered by developer fees and deposits. There is no impact to the General Fund.

ATTACHMENTS:
Resolution of Intention Annexation No. 7
1 - Resolution Exhibits A through G
2 - Project Map Annexation No. 7
3 - CFD Maintenance Exhibit

RESOLUTION NO. 2024 - _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ITS INTENTION TO ANNEX TERRITORY INTO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, ADOPTING A MAP OF THE AREA PROPOSED TO BE ANNEXED (ANNEXATION NO. 7) AND AUTHORIZING THE LEVY OF SPECIAL TAXES THEREIN

WHEREAS, on June 8, 2022, the City Council (the "City Council") of the City of Wildomar (the "City") approved Resolution No. 2022-30 establishing Community Facilities District No. 2022-1 (Services) ("CFD No. 2022-1"), of the City of Wildomar, County of Riverside, State of California, for the purpose of levying special taxes on parcels of taxable property therein for the purpose of providing certain services which are necessary to meet increased demands placed upon the City; and

WHEREAS, the City Council has received a written instrument from the landowner to initiate and conduct proceedings pursuant to the Mello-Roos Community Facilities District Act of 1982 (the "Act"), to annex territory into CFD No. 2022-1 and consenting to the shortening of election time requirements, waiving analysis and arguments, and waiving all notice and word limit requirements for the ballot relating to the conduct of the election; and

WHEREAS, the City Council has been advised that the landowner has requested that the area described and shown in Exhibit A be annexed into the boundaries of CFD No. 2022-1, that a rate and method of apportionment of special tax to be levied therein be established.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WILDOMAR, ACTING EX OFFICIO AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, DETERMINE AND ORDER AS FOLLOWS:

Section 1. Intent to Annex. The City Council hereby declares that it proposes and intends to conduct proceedings pursuant to Article 3.5 of the Act for the annexation to CFD No. 2022-1 of the territory described in Exhibit A attached hereto. The City Council determines that the public convenience and necessity require that such territory be annexed into CFD No. 2022-1.

Section 2. Name of the Community Facilities District. The name of the existing community facilities district is known as "Community Facilities District No. 2022-1 (Services)."

Section 3. Description of Territory Proposed to be Annexed, Annexation Map. The territory proposed to be annexed is included within the boundaries within which property may annex to CFD No. 2022-1 and is more particularly described and shown on that certain map entitled “Proposed Boundary Map Community Facilities District No. 2022-1 of the City of Wildomar (Services) of the City of Wildomar, County of Riverside, State of California” as recorded on April 19, 2022 in Book 88 of Maps of Assessment and Community Facilities District, Pages 77, and as Instrument No. 2022-0183915 in the official records of the County of Riverside. The territory proposed to be annexed to CFD No. 2022-1 is described in Exhibit A attached hereto and by this reference made a part hereof. Such territory is also shown and described on the map thereof entitled "Proposed Annexation Map No. 7, Community Facilities District No. 2022-1 (Services), City of Wildomar, County of Riverside, State of California," which is on file with the City Clerk (the "Annexation Map") and attached hereto as Exhibit D.

Section 4. Description of Authorized Services. The services proposed to be financed by CFD No. 2022-1 (the “Services”) are described in Exhibit B attached hereto. The cost of providing the Services includes “administrative expenses,” which include costs associated with the creation of CFD No. 2022-1, determination of the amount of special taxes, collection or payment of special taxes, or costs otherwise incurred in order to carry out the authorized purposes of CFD No. 2022-1. The Services authorized to be financed by CFD No. 2022-1 are in addition to those currently provided in the territory of CFD No. 2022-1 and do not supplant services already available within that territory.

Section 5. Levy of Special Taxes. Except where funds are otherwise available, a special tax sufficient to pay the costs of the Services (including administrative expenses), secured by recordation of a continuing lien against all nonexempt real property in CFD No. 2022-1, will be levied annually within CFD No. 2022-1. The rate and method of apportionment, and manner of collection of the special tax are specified in Exhibit C.

Section 6. Adoption of Annexation Map. Pursuant to Section 3110.5 of the Streets and Highways Code, the City Council adopts the Annexation Map attached hereto as Exhibit D as the map of the area proposed to be annexed to CFD No. 2022-1. Pursuant to Section 3111 of said Code, the City Clerk shall file the original of the Annexation map in her office and shall file a copy of the Annexation Map with the County Recorder of the County of Riverside no later than 15 days prior to the date of the hearing specified in Section 7 hereof.

Section 7. Public Hearing. The City Council hereby fixes 6:00 p.m., or as soon thereafter as practicable, on Wednesday, November 13, 2024, in the City Council Chambers located at 23873 Clinton Keith Rd., Wildomar, California 92595, as the time and place when and where the City Council will conduct a public hearing on the proposed annexation of the said territory to CFD No. 2022-1.

Section 8. Notice of Public Hearing. The City Clerk is hereby directed to publish, or cause to be published, a notice of said public hearing, in substantially the form attached hereto as Exhibit F, one time in a newspaper of general circulation published in the area of CFD No. 2022-1. The publication of said notice shall be completed at least seven days prior to the date herein fixed for said hearing. Said notice shall

contain the information prescribed by Section 53322 of the Act.

Section 9. Mailing Ballots. In anticipation of its action on Wednesday, November 13, 2024 to call the election on the annexation for the same date, pursuant to waiver of election time limits from the landowners, the City Council hereby authorizes the City Clerk to mail to each landowner in the territory proposed to be annexed to the CFD No. 2022-1 a ballot, the full text of which shall be as set forth in Exhibit G hereto and shall be included in the ballot pamphlet mailed to each qualified elector. A copy of the waiver and consent form signed by the property owner is attached hereto as Exhibit E and incorporated herein by this reference.

PASSED, APPROVED, AND ADOPTED this 9th day of October 2024.

_____
Bridgette Moore
Mayor

APPROVED AS TO FORM:

_____
Thomas D. Jex
City Attorney

ATTEST:

_____
Janet Morales
City Clerk

EXHIBIT A

DESCRIPTION OF PROPOSED TERRITORY TO BE ANNEXED

DESCRIPTION OF PROPOSED TERRITORY TO BE ANNEXED

The City of Wildomar Community Facilities District No. 2022-1 (Services) (the "CFD No. 2022-1") Annexation No. 7, is currently comprised of three (3) parcels located within the city boundaries. The property is identified by the following Riverside County Assessor's Parcel Number (APN).

APN	Owner Name
376-410-013	CRP/CWR Westpark Project, LLC
376-410-023	CRP/CWR Westpark Project, LLC
376-410-025 (Por.)	CRP/CWR Westpark Project, LLC

EXHIBIT B

DESCRIPTION OF SERVICES

EXHIBIT B

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
DESCRIPTION OF AUTHORIZED SERVICES

The services which may be financed with proceeds of the special tax of CFD No. 2022-1, as provided by Section 53313 of the Act, will include all costs attributable to maintaining, servicing, cleaning, repairing and/or replacing landscaped areas (may include reserves for replacement) in public street right-of-ways, public landscaping, public open spaces and other similar landscaped areas officially dedicated for public use. In addition, the services which may include some or all costs attributable to police protection, and fire services. These services including the following:

(a) maintenance and lighting of parks, parkways, streets, roads and open space, which maintenance and lighting services may include, without limitation, furnishing of electrical power to street lights; repair and replacement of damaged or inoperative light bulbs, fixtures and standards; maintenance (including irrigation and replacement) of landscaping vegetation situated on or adjacent to parks, parkways, streets, roads and open space; maintenance and repair of irrigation facilities; maintenance of public signage; graffiti removal from and maintenance and repair of public structures situated on parks, parkways, streets, roads and open space; maintenance and repair of playground or recreation program equipment or facilities situated on any park; and

(b) maintenance and operation of water quality improvements which include storm drainage and flood protection facilities, including, without limitation, drainage inlets, catch basin inserts, infiltration basins, flood control channels, fossil fuel filters, and similar facilities. Maintenance services may include but is not limited to the repair, removal or replacement of all or part of any of the water quality improvements, fossil fuel filters within the public right-of-way including the removal of petroleum hydrocarbons and other pollutants from water runoff, or appurtenant facilities, clearing of inlets and outlets; erosion repairs; and cleanup to improvements, and other items necessary for the maintenance, servicing; or both of the water quality basin improvements within flood control channel improvements; and

(c) public street sweeping, on the segments of the arterials within the boundaries of CFD No. 2022-1; as well as local roads within residential subdivisions located within CFD No. 2022-1; and any portions adjacent to the properties within CFD No. 2022-1; and

(d) police protection services, including but not limited to criminal justice services, and fire protection and suppression services.

In addition to payment of the cost and expense of the forgoing services, proceeds of the special tax may be expended to pay "Administrative Expenses," as said term is defined in the Rate and Method of Apportionment.

The above services shall be limited to those provided within the boundaries of CFD No. 2022-1 or for the benefit of the properties within the boundaries of CFD No. 2022-1, as the boundary is expanded from time to time by anticipated annexations, and said services may be financed by proceeds of the special tax of CFD No. 2022-1 only to the extent that they are in addition to those provided in the territory of CFD No. 2022-1 before CFD No. 2022-1 was created.

EXHIBIT C

RATE AND METHOD OF APPORTIONMENT

RATES AND METHOD OF APPORTIONMENT OF SPECIAL TAX FOR COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR

Special Taxes (defined below) shall be levied on and collected from each Assessor's Parcel (defined below) in Community Facilities District No. 2022-1 (Services) of the City of Wildomar (the "CFD No. 2022-1" or "CFD"; defined below), in each Fiscal Year, (defined below), commencing in the Fiscal Year beginning July 1, 2022, in an amount determined by the City Council of the City of Wildomar, acting ex officio as the legislative body of CFD No. 2022-1, by applying the rates and method of apportionment set forth below. All of the real property in CFD No. 2022-1, unless exempted by law or by the provisions herein, shall be taxed to the extent and in the manner provided herein.

A. DEFINITIONS

"Accessory Dwelling Unit" means a residential unit of limited size including a smaller second unit that shares an Assessor's Parcel as a Single Family Residential Property with a stand-alone Residential Unit.

"Acre" or **"Acreage"** means the land area of an Assessor's Parcel as shown on any Assessor's Parcel Map, or if the land area is not shown on the Assessor's Parcel Map, the land area as shown on the applicable Final Map, or if the area is not shown on the applicable Final Map, the land area shall be calculated by the Administrator.

"Administrative Expenses" means the actual or reasonably estimated costs directly related to the formation, annexation, and administration of CFD No. 2022-1 including, but not limited to: the costs of computing the Special Taxes and preparing the annual Special Tax collection schedules (whether by the City or designee thereof or both); the costs to the City, CFD No. 2022-1, or any designee thereof associated with fulfilling the CFD No. 2022-1 disclosure requirements; the costs associated with responding to public inquiries regarding the Special Taxes; the costs of the City, CFD No. 2022-1 or any designee thereof related to an appeal of the Special Tax; and the City's annual administration fees and third party expenses. Administrative Expenses shall also include amounts estimated or advanced by the City or CFD No. 2022-1 for any other administrative purposes of CFD No. 2022-1, including attorney's fees and other costs related to commencing and pursuing to completion any foreclosure of delinquent Special Taxes.

"Administrator" means the City Manager of the City of Wildomar, or his or her designee.

"Approved Property" means all Assessor's Parcels of Taxable Property that are included in a Final Map that was recorded prior to the March 1 of preceding the Fiscal Year in which the Special Tax is being levied and for which no building permit for new construction has been issued on or prior to March 1 preceding the Fiscal Year in which the Special Tax is being levied.

"Assessor's Parcel" means a lot or parcel of land that is identifiable by an Assessor's Parcel Number by the County Assessor of the County of Riverside.

"Assessor's Parcel Map" means an official map of the Assessor of the County designating parcels by Assessor's Parcel Number.

"Assessor's Parcel Number" means that identification number assigned to a parcel by the County Assessor of the County.

"Building Permit" means the first legal document issued by the City giving official permission for new

construction. For purposes of this definition, "Building Permit" may or may not include expired or cancelled building permits, or any subsequent building permit document(s) authorizing new construction on an Assessor's Parcel that are issued or changed by the City after the first original issuance, as determined by the CFD Administrator

"Building Square Footage" or **"BSF"** means the floor area square footage reflected on the original construction building permit issued for construction of a building of Non-Residential Property and any Building Square Footage subsequently added to a building of such Taxable Property after issuance of a building permit for expansion or renovation of such building.

"Calendar Year" means the period commencing January 1 of any year and ending the following December 31.

"CFD" or **"CFD No. 2022-1"** means Community Facilities District No. 2022-1 (Services) of the City of Wildomar.

"City" means the City of Wildomar.

"Contingent Services" means services permitted under the Mello-Roos Community Facilities Act of 1982 including, without limitation, those services authorized to be funded by CFD No. 2022-1 as set forth in the documents adopted by the City Council at the time the CFD was formed to be provided by the City in the event the Administrator makes a determination pursuant to Section C(3) that a Property Owners' Association fails to adequately provide such services.

"County" means the County of Riverside.

"Developed Property" means all Assessor's Parcels that: (i) are included in a Final Map that was recorded prior to the January 1st preceding the Fiscal Year in which the Special Tax is being levied, and (ii) have an Assessor's Parcel Number from the County shown on an Assessor's Parcel Map for the individual lot included on the Final Map, and (iii) a Building Permit for new construction was issued on or before May 1st preceding the Fiscal Year in which the Special Tax is being levied.

"Exempt Property" means all Assessors' Parcels designated as being exempt from the Special Tax as provided for in Section G.

"Final Map" means a subdivision of property by recordation of a final map, parcel map, or lot line adjustment, pursuant to the Subdivision Map Act (California Government Code Section 66410 et seq.) or recordation of a condominium plan pursuant to California Civil Code 6624 that creates individual lots for which building permits may be issued without further subdivision.

"Fiscal Year" means the period from and including July 1st of any year to and including the following June 30th.

"Land Use Category" or **"LUC"** means, any of the categories contained in Section B hereof to which an Assessor's Parcel is assigned consistent with the land use approvals that have been received or proposed for the Assessor's Parcel as of March 1 preceding the Fiscal Year in which the Special Tax is being levied.

"Maximum Special Tax" means the Maximum Special Tax A, Maximum Special Tax B, and/or Maximum Special Tax C (Contingent), as applicable.

“Maximum Special Tax A” means the Maximum Special Tax A, as determined in accordance with Section C, below, that can be levied in any Fiscal Year on any Assessor's Parcel within CFD No. 2022-1.

“Maximum Special Tax B” means the Maximum Special Tax B, as determined in accordance with Section C, below, that can be levied in any Fiscal Year on any Assessor's Parcel within CFD No. 2022-1.

“Maximum Special Tax C (Contingent)” means for each Assessor’s Parcel and each Fiscal Year, the maximum Special Tax C (Contingent), as determined in accordance with Section C below that can be levied on such Assessor’s Parcel in such Fiscal Year.

“Multi-Family Residential Property” or **“MFR”** means any Assessor’s Parcel of residential property that consists of a building or buildings comprised of attached Residential Units available for rental, but not purchase, by the general public and under common management.

“Non-Residential Property” or **“NR”** means, all Assessor's Parcels of Taxable Property for which a building permit(s) was issued for a non-residential use. The Administrator shall make the determination if an Assessor’s Parcel is Non-Residential Property.

“Property Owner’s Association” or **“POA”** means the property owner’s association or homeowner’s association established to maintain certain services within a Tax Zone.

“Proportionately” means for Taxable Property that is: (i) Developed Property, that the ratio of the actual Special Tax levy to the Maximum Special Tax is the same for all Parcels of Developed Property, (ii) Approved Property, that the ratio of the actual Special Tax levy to the Maximum Special Tax is the same for all Parcels of Approved Property, and (iii) Undeveloped Property that the ratio of the actual Special Tax levy per acre to the Maximum Special Tax per acre is the same for all Parcels of Undeveloped Property.

“Residential Unit” or **"RU"** means a residential unit that is used or intended to be used as a domicile by one or more persons, as determined by the Administrator. An Accessory Dwelling Unit that shares an Assessor’s Parcel with a Single Family Residential Property shall not be considered a Residential Unit for purposes of this RMA.

“Residential Property” means all Assessor’s Parcels of Taxable Property upon which completed Residential Units have been constructed or for which building permits have been or may be issued for purposes of constructing one or more Residential Units.

“RMA" means this Rate and Method of Apportionment of Special Taxes.

“Service(s)” means services permitted under the Mello-Roos Community Facilities Act of 1982 including, without limitation, those services authorized to be funded by CFD No. 2022-1 as set forth in the documents adopted by the City Council at the time the CFD was formed.

“Single Family Residential Property” or **“SFR”** means any residential property that consists of a building comprised of attached or detached residential units available for purchase or rent by the general public.

“Special Tax(es)” means the Special Tax A and/or Special Tax B and/or Special Tax C (Contingent) to be levied in each Fiscal Year on each Assessor’s Parcel of Taxable Property.

“Special Tax A” means the annual special tax to be levied in each Fiscal Year on each Assessor’s Parcel of Taxable Property to fund the Special Tax A Requirement.

"Special Tax A Requirement" means that amount to be collected in any Fiscal Year to pay for certain costs as required to meet the needs of CFD No. 2022-1 in the next Fiscal Year. The costs to be covered shall be the direct costs for maintenance services including but not limited to (i) maintenance and lighting of parks, parkways, streets, roads, and open space, (ii) maintenance and operation of water quality improvements, (iii) public street sweeping, (iv) fund an operating reserve for the costs of Services as determined by the Administrator, and (v) Administrative Expenses. Under no circumstances shall the Special Tax A Requirement include funds for bonds or other forms of indebtedness.

"Special Tax B" means the annual special tax to be levied in each Fiscal Year on each Assessor's Parcel of Developed Property to fund the Special Tax B Requirement.

"Special Tax B Requirement" means that amount to be collected in any Fiscal Year to pay for certain costs as required to meet the needs of CFD No. 2022-1 in the next Fiscal Year. The costs to be covered shall be the direct costs for (i) police protection services, (ii) fire protection and suppression services, (iii) fund an operating reserve for the costs of Services as determined by the Administrator, and (iv) Administrative Expenses. Under no circumstances shall the Special Tax B Requirement include funds for bonds or other forms of indebtedness.

"Special Tax C (Contingent)" means the annual special tax to be levied in each Fiscal Year on each Assessor's Parcel of Taxable Property to fund the Special Tax C (Contingent) Requirement, if required.

"Special Tax C (Contingent) Requirement" means that amount required in any Fiscal Year, if the POA is unable to maintain the Contingent Service(s) to: (i) pay the costs of Contingent Services incurred or otherwise payable in the Calendar Year commencing in such Fiscal Year; (ii) fund an operating reserve for the costs of Contingent Services as determined by the Administrator; less a credit for funds available to reduce the annual Special Tax C (Contingent) levy as determined by the Administrator. Under no circumstances shall the Special Tax C (Contingent) Requirement include funds for bonds or other forms of indebtedness..

"Taxable Property" means all Assessor's Parcels within CFD No. 2022-1, which are not Exempt Property.

"Taxable Unit" means a Residential Unit, Building Square Footage, or an Acre.

"Tax Zone" means a mutually exclusive geographic area, within which particular Special Tax rates may be levied pursuant to this Rate and Method of Apportionment of Special Tax.

"Tax Zone Original" means the geographic area the specific area identified on the CFD Boundary Map as Tax Zone Original.

"Tract(s)" means an area of land within a subdivision identified by a particular tract number on a Final Map approved for the subdivision.

"Undeveloped Property" means, for each Fiscal Year, all Taxable Property not classified as Developed Property or Approved Property.

B. ASSIGNMENT TO LAND USE CATEGORIES

For each Fiscal Year, all Assessor's Parcels of Taxable Property within CFD No. 2022-1 shall be classified as Developed Property, Approved Property, or Undeveloped Property, and shall be subject to the levy of Special Taxes as determined pursuant to Sections C and D below. Assessor's Parcels of Developed Property

and Approved Property shall be classified as either Residential Property or Non-Residential Property. Residential Property shall be further classified as Single-Family Residential Property or Multi-Family Residential Property and the number of Residential Units shall be determined by the Administrator.

C. MAXIMUM SPECIAL TAX RATES

For purposes of determining the applicable Maximum Special Tax for Assessor's Parcels of Developed Property and Approved Property which are classified as Residential Property, all such Assessor's Parcels shall be assigned the number of Residential Unit(s) constructed or to be constructed thereon as specified in or shown on the building permit(s) issued or Final Map as determined by the Administrator. Once a single family attached or multi-family building or buildings have been built on an Assessor's Parcel, the Administrator shall determine the actual number of Residential Units contained within the building or buildings, and the Special Tax A and Special Tax C (Contingent) levied against the Assessor's Parcel in the next Fiscal Year shall be calculated by multiplying the actual number of Residential Units by the Maximum Special Tax per Residential Unit for the Tax Zone below or as included in Appendix A as each annexation occurs.

For purposes of determining the applicable Maximum Special Tax for Assessor's Parcels of Developed Property and Approved Property which are classified as Non-Residential Property, all such Assessor's Parcels shall be assigned the number of Building Square Footage or Acres as shown on the Final Map as determined by the Administrator. Once the Administrator determines the actual number of Building Square Footage or Acres for the Assessor's Parcels, the Special Tax A, Special Tax B, and Special Tax C (Contingent) levied against the Assessor's Parcel in the next Fiscal Year shall be calculated by multiplying the number of Building Square Footage or Acres by the Maximum Special Tax per Taxable Unit identified for the applicable Tax Zone below or as included in Appendix A as each annexation occurs.

1. Special Tax A

a. Developed Property

(i) Maximum Special Tax A

The Maximum Special Tax A for each Assessor's Parcel of Developed Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this RMA shall be updated to reflect the Maximum Special Tax A for Developed Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Developed Property for such Tract or Tracts as specified in such updated Appendix A for the annexed property which shall reflect the Maximum Special Tax for the Tract or Tracts annexed. The Maximum Special Tax A for Fiscal Year 2022-2023 for a Residential Unit of Developed Property within the Tax Zone Original are identified in Table 1 below:

TABLE 1
MAXIMUM SPECIAL TAX A RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Single Family Residential Property	RU	$408
		Multi-Family Residential Property	RU	$408
		Non-Residential Property	Acre	$5,267

(ii) Increase in the Maximum Special Tax A

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

(iii) Multiple Land Use Categories

In some instances an Assessor's Parcel of Developed Property may contain more than one Land Use Category. The Maximum Special Tax A that can be levied on an Assessor's Parcel shall be the sum of the Maximum Special Tax A that can be levied for each Land Use Category located on that Assessor's Parcel. For an Assessor's Parcel that contains more than one land use, the Acreage of such Assessor's Parcel shall be allocated to each type of property based on the amount of Acreage designated for each land use as determined by reference to the site plan approved for such Assessor's Parcel. The Administrator's allocation to each type of property shall be final.

b. Approved Property

The Maximum Special Tax A for each Assessor's Parcel of Approved Property in Table 2 is specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, the Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax A for Approved Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Approved Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax A for Fiscal Year 2022-2023 per Residential Unit for Approved Property within Tax Zone Original is identified in Table 2 below:

TABLE 2
MAXIMUM SPECIAL TAX A RATES
APPROVED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Single Family Residential Property	RU	$408
		Multi-Family Residential Property	RU	$408
		Non-Residential Property	Acre	$5,267

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Approved Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

c. Undeveloped Property

The Maximum Special Tax A for each Assessor's Parcel of Undeveloped Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method adopted shall be updated to reflect the Maximum Special Tax A for Undeveloped Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Undeveloped Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax A for Fiscal Year 2022-2023 per acre of Undeveloped Property within Tax Zone Original is identified in Table 3 below:

TABLE 3
MAXIMUM SPECIAL TAX A RATES
UNDEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tracts	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Acre	$5,267

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

2. Special Tax B

The Special Tax B is an annual Special Tax that shall be levied on Developed Property to fund the Special Tax B Requirement.

a. Developed Property

(i) Maximum Special Tax B

The Maximum Special Tax B for Fiscal Year 2022-2023 for each Land Use Category within Tax Zone Original is shown in Table 4. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax B for the Tract or Tracts annexed and the Special Tax B shall be levied up to the Maximum Special Tax B for Developed Property for such Tract or Tracts as specified in such updated Appendix A.

TABLE 4
MAXIMUM SPECIAL TAX B RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Land Use Category	Unit	Maximum Special Tax B
Single Family Residential Property	RU	$430
Multi-Family Residential Property	RU	$305

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by five percent (5.0%), whichever is greater.

The Special Tax B shall not be levied on Approved or Undeveloped Property.

3. Special Tax C (Contingent)

The City Council shall levy Special Tax C (Contingent) only in the event the POA defaults in its obligation to maintain the Contingent Services, which default shall be deemed to have occurred, as determined by the Administrator, in each of the following circumstances:

(a) The POA files for bankruptcy;
(b) The POA is dissolved;
(c) The POA ceases to levy annual assessments for the Contingent Services; or
(d) The POA fails to provide the Contingent Services at the same level as the City provides similar services and maintains similar improvements throughout the City and within ninety (90) days after written notice from the City, or such longer period permitted by the City Manager, fails to remedy the deficiency to the reasonable satisfaction of the City Council.

a. <u>Developed Property</u>

(i) <u>Maximum Special Tax C (Contingent)</u>

The Maximum Special Tax C (Contingent) for each Assessor's Parcel of Taxable Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Developed Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 5 below:

TABLE 5
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Single Family Residential Property	RU	$261
		Multi-Family Residential Property	RU	$261
		Non-Residential Property	Acre	$3,372

(ii) Increase in the Maximum Special Tax C (Contingent)

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

(iii) Multiple Land Use Categories

In some instances, an Assessor's Parcel of Developed Property may contain more than one Land Use Category. The Maximum Special Tax C (Contingent) that can be levied on an Assessor's Parcel shall be the sum of the Maximum Special Tax C (Contingent) that can be levied for each Land Use Category located on that Assessor's Parcel. For an Assessor's Parcel that contains more than one land use, the Acreage of such Assessor's Parcel shall be allocated to each type of property based on the amount of Acreage designated for each land use as determined by reference to the site plan approved for such Assessor's Parcel. The Administrator's allocation to each type of property shall be final.

b. Approved Property

The Maximum Special Tax C (Contingent) for each Assessor’s Parcel of Approved Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Approved Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 6 below:

TABLE 6
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
APPROVED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Single Family Residential Property	RU	$261
		Multi-Family Residential Property	RU	$261
		Non-Residential Property	Acre	$3,372

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Approved Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

c. Undeveloped Property

The Maximum Special Tax C (Contingent) for each Assessor's Parcel of Undeveloped Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Undeveloped Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 7 below:

TABLE 7
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
UNDEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Acre	$3,372

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

D. METHOD OF APPORTIONMENT OF ANNUAL SPECIAL TAX

1. Special Tax A

Commencing with Fiscal Year 2022-2023 and for each following Fiscal Year in which Special Tax A is authorized to be levied, the Council shall determine the Special Tax A Requirement and shall levy

the Special Tax A on all Assessor's Parcels of Taxable Property until the aggregate amount of Special Tax A equals the Special Tax A Requirement. The Special Tax A shall be levied for each Fiscal Year within each Tax Zone as follows:

First: The Special Tax A shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax A to satisfy the Special Tax A Requirement;

Second: If additional moneys are needed to satisfy the Special Tax A Requirement after the first step has been completed, the Special Tax A shall be levied Proportionately on each Parcel of Approved Property at up to 100% of the Maximum Special Tax A for Approved Property;

Third: If additional monies are needed to satisfy the Special Tax A Requirement after the first two steps has been completed, the Special Tax A shall be levied Proportionately on all Assessor's Parcels of Undeveloped Property up to 100% of the Maximum Special Tax A for Undeveloped Property.

2. Special Tax B

Commencing with Fiscal Year 2022-2023 and for each following Fiscal Year, the Council shall determine the Special Tax B Requirement and shall levy the Special Tax B until the aggregate amount of Special Tax B equals the Special Tax B Requirement.

The Special Tax B shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax B to satisfy the Special Tax B Requirement.

3. Special Tax C (Contingent)

Commencing with the first Fiscal Year in which Special Tax C (Contingent) is authorized to be levied and for each following Fiscal Year, the City Council shall determine the Special Tax C (Contingent) Requirement for each Tax Zone, if any, and shall levy the Special Tax on all Assessor's Parcels of Taxable Property within such Tax Zone until the aggregate amount of Special Tax C (Contingent) equals the Special Tax C (Contingent) Requirement for such Tax Zone. The Special Tax C (Contingent) shall be levied for each Fiscal Year as follows:

First: The Special Tax C (Contingent) shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax C (Contingent) to satisfy the Special Tax C (Contingent) Requirement;

Second: If additional moneys are needed to satisfy the Special Tax C (Contingent) Requirement after the first step has been completed, the Special Tax C (Contingent) shall be levied Proportionately on each Parcel of Approved Property at up to 100% of the Maximum Special Tax C (Contingent) for Approved Property;

Third: If additional monies are needed to satisfy the Special Tax C (Contingent) Requirement after the first two steps has been completed, the Special Tax C (Contingent) shall be levied Proportionately on all Assessor's Parcels of Undeveloped Property up to 100% of the Maximum Special Tax C (Contingent) for Undeveloped Property.

E. FUTURE ANNEXATIONS

It is anticipated that additional properties will be annexed to CFD No. 2022-1 from time to time. As each annexation is proposed, an analysis will be prepared to determine the annual cost for providing Services. Based on this analysis, the property to be annexed, pursuant to California Government Code section 53339 et seq. will be assigned to the appropriate Maximum Special Tax rate for the Tract or Tracts when annexed.

F. TERM OF SPECIAL TAX

For each Fiscal Year, the Special Taxes shall be levied as long as the Services are being provided.

G. EXEMPTIONS

The City shall classify as Exempt Property within CFD No. 2022-1, any Assessor's Parcel in any of the following categories; (i) Assessor's Parcels which are owned by, irrevocably offered for dedication, encumbered by or restricted in use by any public entity; (ii) Assessor's Parcels with public or utility easements making impractical their utilization for other than the purposes set forth in the easement; (iii) Assessor's Parcels which are privately owned but are encumbered by or restricted solely for public uses; or (iv) any Assessor's Parcel which is in use in the performance of a public function as determined by the Administrator. No Special Tax shall be levied on property which, at the time of adoption of the Resolution of Formation for CFD No. 2022-1, is an Exempt Property.

H. APPEALS

Any property owner claiming that the amount or application of the Special Taxes are not correct may file a written notice of appeal with the City not later than twelve months after having paid the first installment of the Special Tax(es) that is disputed. A representative(s) of CFD No. 2022-1 shall promptly review the appeal, and if necessary, meet with the property owner, consider written and oral evidence regarding the amount of the Special Tax, and rule on the appeal. If the representative's decision requires that the Special Tax for an Assessor's Parcel be modified or changed in favor of the property owner, a cash refund shall not be made, but an adjustment shall be made to the Special Tax on that Assessor's Parcel in the subsequent Fiscal Year(s).

I. MANNER OF COLLECTION

The Special Tax(es) shall be collected in the same manner and at the same time as ordinary ad valorem property taxes, provided, however, that CFD No. 2022-1 may collect the Special Tax at a different time or in a different manner if necessary to meet its financial obligations.

APPENDIX A

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)

COST ESTIMATE

Special Tax A Services – The estimate breaks down the costs of providing one year's maintenance services for FY 2024-2025. These services are being funded by the levy of Special Tax A for Community Facilities District No. 2022-1 (Services).

TAX ZONE 7 – SPECIAL TAX A
TR 36781/36782

Item	Description	Estimated Cost
1	Landscaping	$9,405
2	Lighting	$3,218
3	Streets	$18,601
4	Drainage	$1,701
5	Parks	$28,628
6	Graffiti	$877
7	Reserves	$2,415
8	Admin	$9,499
Total		**$74,345**

Special Tax B Services – It is estimated that the cost of providing Police and Fire Protection services being funded by Special Tax B for the Community Facilities District No. 2022-1 (Services) as outlined in Exhibit "B" hereto, will be as follows for the first year:

TAX ZONE 7 – SPECIAL TAX B
TR 36781/36782

Land Use Category	Unit	Maximum Special Tax B
Single-Family Residential Property	RU	$474.08

Special Tax C (Contingent) Services – The estimate in the table below breaks down the costs of providing one year's contingent maintenance services for Fiscal Year 2024-25. If necessary, these services will be funded by the levy of Special Tax C (Contingent) for Community Facilities District No. 2022-1 (Services).

TAX ZONE 7 – SPECIAL TAX C (Contingent)
TR 36781/36782

Item	Description	Estimated Cost
1	Drainage	$8,047
2	Reserves	$805
3	Admin	$1,342
Total		**$10,194**

TAX ZONE 7
TR 36781/36782
FY 2024-2025 MAXIMUM SPECIAL TAX RATES

Taxable Property	Land Use Category	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B	Maximum Special Tax C (Contingent)
Developed Property	Single-Family Residential	RU	$389	$474.08	$53
Approved Property	Single-Family Residential	RU	$389	N/A	$53
Undeveloped Property	N/A	Acre	$7,785	N/A	$1,067

MAXIMUM SPECIAL TAXES ASSIGNED TO EACH TAX ZONE
FOR DEVELOPED PROPERTY

Tax Zone	Fiscal Year Included	Tract	No. of Taxable Units	LUC	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B	Maximum Special Tax C (Contingent)	Subdivider
Original	2022-23	TR 36672	136	SFR	RU	$408	$430	$261	Lennar Homes
1	2022-23	PP 13-0089	170	MFR	RU	$203	$305	$0	Villa Siena Property LLC
2	2022-23	TR 37476	77	SFR	RU	$583	$430	$262	KB Home Coastal Inc.
3	To Be Determined								
4	2023-24	PM 37941	9.62	NR	Acre	$4,060	$0	$0	Strata Baxter, LLC and Kaiser Foundation Health Plan, Inc.
5	2023-24	TR 31896	117	SFR	RU	$788	$451.50	$503	D.R. Horton Los Angeles Holding Co.
6	2023-24	LLA 2022-004	89	MFR	RU	$153	$320.25	$0	Wildomar Tres Lagos Partners LP
7	2024-25	TR 36781/36782	191	SFR	RU	$389	$474.08	$53	CRP/CWR Westpark Project, LLC
8	2023-24	LLA 2022-004	88	MFR	RU	$153	$320.25	$0	Palm Communities
9	2023-24	PP 21-0138	1.15	NR	Acre	$2,700	$0	$2,372	DMSD Cajun Properties LLC
10	2023-24	LLA 2020-008	20.20	NR	Acre	$251	$0	$433	Faith Bible Church Murrieta
11	2024-25	PM 38646	20.46	NR	Acre	$1,942	$0	$2,104	White Sable LLC and Wildomar One LLC
12	2024-25	PP 20-0044	288	MFR	RU	$133	$336.26	$0	OSR2 R&V Investors and TMW Oak Springs 2 Del, LLC

ESCALATION OF MAXIMUM SPECIAL TAXES

Maximum Special Tax A - On each July 1, the Maximum Special Tax A for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

Maximum Special Tax B - On each July 1, the Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by five percent (5.0%), whichever is greater.

Maximum Special Tax C (Contingent) - On each July 1, the Maximum Special Tax C (Contingent) for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

EXHIBIT B

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
DESCRIPTION OF AUTHORIZED SERVICES

The services which may be financed with proceeds of the special tax of CFD No. 2022-1, as provided by Section 53313 of the Act, will include all costs attributable to maintaining, servicing, cleaning, repairing and/or replacing landscaped areas (may include reserves for replacement) in public street right-of-ways, public landscaping, public open spaces and other similar landscaped areas officially dedicated for public use. In addition, the services which may include some or all costs attributable to police protection, and fire services. These services including the following:

(a) maintenance and lighting of parks, parkways, streets, roads and open space, which maintenance and lighting services may include, without limitation, furnishing of electrical power to street lights; repair and replacement of damaged or inoperative light bulbs, fixtures and standards; maintenance (including irrigation and replacement) of landscaping vegetation situated on or adjacent to parks, parkways, streets, roads and open space; maintenance and repair of irrigation facilities; maintenance of public signage; graffiti removal from and maintenance and repair of public structures situated on parks, parkways, streets, roads and open space; maintenance and repair of playground or recreation program equipment or facilities situated on any park; and

(b) maintenance and operation of water quality improvements which include storm drainage and flood protection facilities, including, without limitation, drainage inlets, catch basin inserts, infiltration basins, flood control channels, fossil fuel filters, and similar facilities. Maintenance services may include but is not limited to the repair, removal or replacement of all or part of any of the water quality improvements, fossil fuel filters within the public right-of-way including the removal of petroleum hydrocarbons and other pollutants from water runoff, or appurtenant facilities, clearing of inlets and outlets; erosion repairs; and cleanup to improvements, and other items necessary for the maintenance, servicing; or both of the water quality basin improvements within flood control channel improvements; and

(c) public street sweeping, on the segments of the arterials within the boundaries of CFD No. 2022-1; as well as local roads within residential subdivisions located within CFD No. 2022-1; and any portions adjacent to the properties within CFD No. 2022-1; and

(d) police protection services, including but not limited to criminal justice services, and fire protection and suppression services.

In addition to payment of the cost and expense of the forgoing services, proceeds of the special tax may be expended to pay "Administrative Expenses," as said term is defined in the Rate and Method of Apportionment.

The above services shall be limited to those provided within the boundaries of CFD No. 2022-1 or for the benefit of the properties within the boundaries of CFD No. 2022-1, as the boundary is expanded from time to time by anticipated annexations, and said services may be financed by proceeds of the special tax of CFD No. 2022-1 only to the extent that they are in addition to those provided in the territory of CFD No. 2022-1 before CFD No. 2022-1 was created.

EXHIBIT D

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)

PROPOSED BOUNDARIES

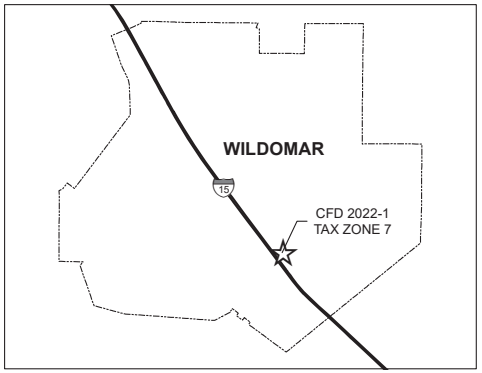
PROPOSED ANNEXATION MAP NO. 7

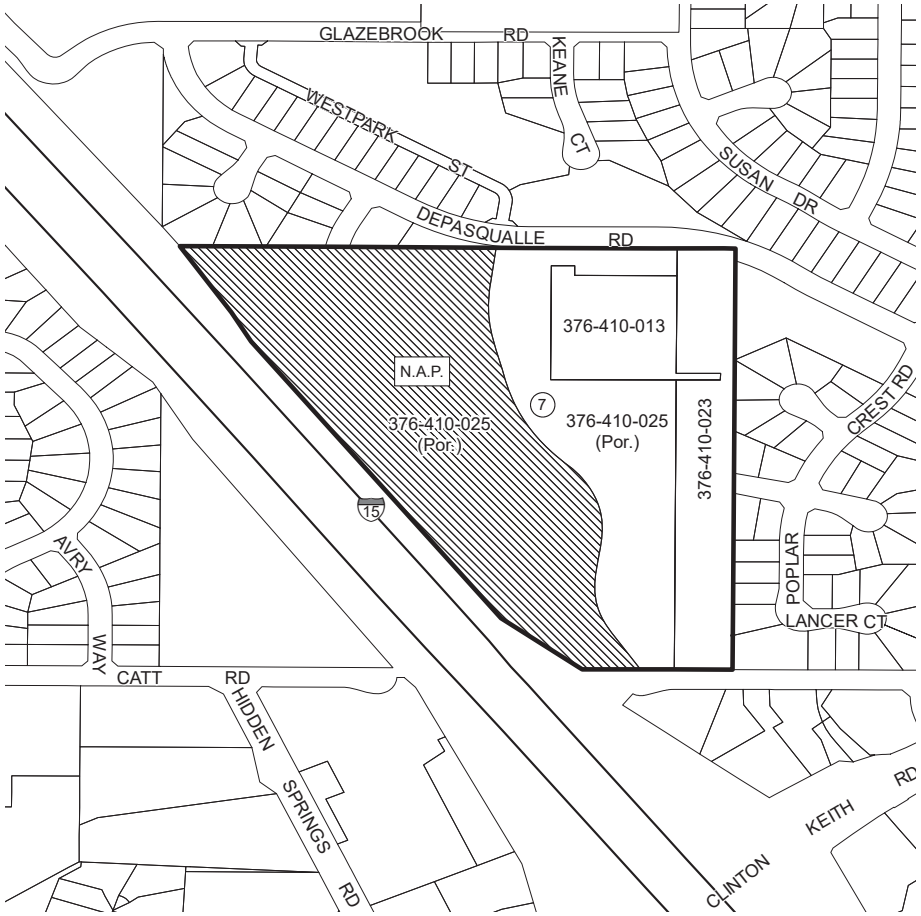
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

THIS MAP SHOWS THE BOUNDARIES OF AREAS TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

THE BOUNDARIES OF WHICH COMMUNITY FACILITIES DISTRICT ARE SHOWN AND DESCRIBED ON THE MAP THEREOF WHICH WAS PREVIOUSLY RECORDED ON APRIL 19, 2022, IN BOOK 88 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITY DISTRICTS AT PAGE 77 AND AS INSTRUMENT NO. 2022-0183915 IN THE OFFICE OF THE COUNTY RECORDER OF THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

REFERENCES IS HEREBY MADE TO LOT 1 OF TRACT MAP NO. 36781 AND TO LOT 1 OF TRACT MAP NO. 36782 OF THE CITY OF WILDOMAR ON FILE WITH THE CITY. FOR A DESCRIPTION OF THE LINES AND DIMENSIONS OF THE PORTIONS OF THE PARCELS LISTED THAT ARE A PART OF ANNEXATION NO. 7 OF COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) BOUNDARY.





I HEREBY CERTIFY THAT THE WITHIN MAP OR AREAS TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, WAS APPROVED BY THE CITY COUNCIL OF THE CITY OF WILDOMAR AT A REGULAR MEETING THEREOF, HELD ON _____ DAY OF _____, 20___, BY RESOLUTION NO. _____

_____
CITY CLERK
CITY OF WILDOMAR

RECORDED THIS ____ DAY OF _____, 20____ AT THE HOUR OF ____ O'CLOCK __M IN BOOK _____ PAGE _____ OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS IN THE OFFICE OF THE COUNTY RECORDER, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

FEE: _____ NO.: _____
PETER ALDANA, ASSESSOR, COUNTY CLERK, RECORDER

BY: _____
DEPUTY

FILED IN THE OFFICE OF THE CITY CLERK, CITY OF WILDOMAR, THIS ____ DAY OF _____, 20____.

LEGEND

- CITY BOUNDARY
- CFD BOUNDARY
- PARCEL LINE
- CITY BOUNDARY
- NOT-A-PART
- XXX-XXX-XXX ASSESSOR PARCEL NUMBER
- (7) TAX ZONE

THIS ANNEXATION MAP CORRECTLY SHOWS THE LOT OR PARCEL OF LAND INCLUDED WITHIN THE BOUNDARIES OF THE COMMUNITY FACILITIES DISTRICT. FOR DETAILS CONCERNING THE LINES AND DIMENSIONS OF LOTS OR PARCEL REFER TO THE COUNTY ASSESSOR MAPS FOR FISCAL YEAR 2024-25.

SPICER CONSULTING GROUP

N W E S

0 300 600 1,200 Feet

EXHIBIT E

WAIVER AND CONSENT RESPECTING CONDUCT OF MAILED BALLOT, LANDOWNER ELECTION

PETITION TO THE CITY COUNCIL OF THE CITY OF WILDOMAR REQUESTING ANNEXATION OF PROPERTY TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) WITHIN THE CITY OF WILDOMAR AND A WAIVER WITH RESPECTS TO CERTAIN PROCEDURAL MATTERS UNDER THE MELLO-ROOS COMMUNITY FACILITIES ACT OF 1982 AND CONSENTING TO THE LEVY OF SPECIAL TAXES THEREON TO PAY THE COSTS OF SERVICES TO BE PROVIDED BY THE COMMUNITY FACILITIES DISTRICT

1. The undersigned requests that the City Council of the City of Wildomar (the "City"), initiate and conduct proceedings pursuant to the Mello-Roos Community Facilities Act of 1982 (the "Act") (Government Code Section 53311 et seq.), for the annexation of the property described below to Community Facilities District No. 2022-1 (Services) (the "District") and consents to the annual levy of special taxes on such property to pay the costs of services to be provided by Community Facilities District No. 2022-1 (Services).

2. The undersigned requests that the community facilities district provide any services that are permitted under the Act including, but not limited to, all necessary service, operations, administration and maintenance required to keep the landscape lighting, street lighting, flood control facilities, ground cover, shrubs, plants and trees, irrigation systems, graffiti removal, sidewalks and masonry walls, fencing entry monuments, tot lot equipment and associated appurtenant facilities within the district in a healthy, vigorous and satisfactory working condition.

3. The undersigned hereby certifies that as of the date indicated opposite its signature, it is the owner of all the property within the proposed boundaries of the community facilities district described in Exhibit A hereto and as shown on the map Exhibit B hereto.

4. The undersigned requests that a special election be held under the Act to authorize the special taxes for the proposed community facilities district. The undersigned waives any requirement for the mailing of the ballot for the special election and expressly agrees that said election may be conducted by mailed or hand-delivered ballot to be returned as quickly as possible to the designated election official, being the office of the City Clerk and the undersigned request that the results of said election be canvassed and reported to the City Council at the same meeting of the City Council as the public hearing on the annexation of the property to the community facilities district or at the next available meeting.

5. Pursuant to Sections 53326(a) and 53327(b) of the Act, the undersigned expressly waives all applicable waiting periods for the election and waives the requirement for analysis and arguments relating to the special election, and consents to not having such materials provided to the landowner in the ballot packet, and expressly waives any requirements as to the form of the ballot. The undersigned expressly waives all notice requirements relating to hearings and special elections (except for published notices required by the Act), and whether such requirements are found in the California Elections Code, the California Government Code or other laws or procedures, including but not limited to any notice provided for by compliance with the provisions of Section 4101 of the California Elections Code. The undersigned expressly waives the word limit requirement for the ballots pursuant to Sections 13247 and 9051 of the Elections Code.

6. The undersigned hereby acknowledges and agrees that the measure submitted in connection with the special election referred to herein, as set forth in the ballot provided to the undersigned, asked voters whether or not the District should be authorized to levy a special tax in order to finance services (the "Services"), as specified in the Resolution No. 2022-30, adopted by the City Council of the City on June 8,

2022 (the "Resolution of Formation"). The Resolution of Formation described the Services to be financed by the District. The Rate and Method of Apportionment of the Special Tax for the District (the "Rate and Method") is included in the ballot materials provided to the undersigned for the election (the "Ballot"). The Rate and Method contains detailed provisions specifying (i) the type of the Special Tax and the amount or rate of the Special Tax to be levied on each parcel of property in the District, (ii) the duration of the Special Tax (the fiscal year after which the Special Tax will no longer be levied), and (iii) the use of the revenue derived from the Special Tax to pay for the Services. The undersigned, having received and reviewed the Rate and Method and the Ballot will be, at the time it votes on the measure submitted to voters in the Ballot, in possession the type and amount or rate of the Special Tax, the duration of the Special Tax and the use of the revenue derived from the Special Tax, is fully informed with respect thereto and has a thorough understanding thereof.

7. The undersigned hereby consents to and expressly waives any and all claims based on any irregularity, error, mistake or departure from the provisions of the Act or other laws of the State and any and all laws and requirements incorporated therein, and no step or action in any proceeding relative to the annexation of property to the community facilities district of the portion of the incorporated area of the City of Wildomar or the special election therein shall be invalidated or affected by any such irregularity, error mistake or departure.

IN WITNESS WHEREOF, I hereunto set my hand this 4 day of September, 2024.

CPR/CWR WESTPARK PROJECT, LLC,
a Delaware limited liability company

By: _____
Name: Matthew Thorne
Title: COO

OWNER'S PROPERTY:

PARCEL MAP NO. 36612; Tract Map 36781 & 36782

OWNER'S MAILING ADDRESS:

5927 Priestly Drive, Suite 110

Carlsbad, CA 92008

FILED IN THE OFFICE OF THE CITY CLERK OF THE CITY COUNCIL OF THE CITY OF WILDOMAR THIS ____ DAY OF _____, 20___.

_____
City Clerk of the City Council of the
City of Wildomar

EXHIBIT F

NOTICE OF PUBLIC HEARING

NOTICE OF PUBLIC HEARING ON RESOLUTION OF INTENTION TO ANNEX TERRITORY TO AN EXISTING COMMUNITY FACILITIES DISTRICT (ANNEXATION NO. 7)

NOTICE IS HEREBY GIVEN that the City Council of the City of Wildomar on October 9, 2024 adopted its Resolution No. 2024-__, in which it declared its intention to annex territory to existing Community Facilities District No. 2022-1 (Services) (the "CFD No. 2022-1"), and to levy a special tax to pay for certain maintenance services, all pursuant to the provisions of the Mello-Roos Community Facilities Act of 1982, Chapter 2.5, Part 1, Division 2, Title 5 of the California Government Code. The resolution describes the territory to be annexed and describes the rate and method of apportionment of the proposed special tax. No change in the tax levied in the existing CFD No. 2022-1 is proposed.

NOTICE IS HEREBY FURTHER GIVEN that the City Council has fixed 6:00 p.m., or as soon thereafter as practicable, Wednesday, November 13, 2024 in the City Council Chambers located at 23873 Clinton Keith Rd., Wildomar, California 92595, as the time and place when and where the City Council will conduct a public hearing on the establishment of CFD No. 2022-1. At the hearing, the testimony of all interest persons for or against the annexation of the territory or the levying of the special taxes will be heard.

DATED: _____, 20___

_____
City Clerk of the City of Wildomar

EXHIBIT G

SPECIAL ELECTION BALLOT

SPECIAL TAX ELECTION
CITY OF WILDOMAR

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 7

(November 13, 2024)

This ballot is for the use of the authorized representative of the following owner of land within Annexation No. 7 of the Community Facilities District No. 2022-1 (Services) ("CFD No. 2022-1") of the City of Wildomar:

Name of Landowner	Number of Acres Owned	Total Votes
CRP/CWR Westpark Project, LLC	13.68	14

According to the provisions of the Mello-Roos Community Facilities Act of 1982, and resolutions of the City Council (the "Council") of the City of Wildomar (the "City"), the above-named landowner is entitled to cast the number of votes shown above under the heading "Total Votes," representing the total votes for the property owned by said landowner. The City has sent the enclosed ballot to you so that you may vote on whether or not to approve the special tax.

This special tax ballot is for the use of the property owner of the parcels identified below, which parcels are located within the territory proposed to be annexed to the CFD No. 2022-1, City of Wildomar, County of Riverside, State of California. Please advise the City Clerk, at (951) 677-7751 x 210 if the name set forth below is incorrect or if you are no longer one of the owners of these parcels. This special tax ballot may be used to express either support for or opposition to the proposed special tax. To be counted, this special tax ballot must be signed below by the owner or, if the owner is not an individual, by an authorized representative of the owner. The ballot must then be delivered to the City Clerk, either by mail or in person, as follows:

Mail Delivery: If by mail, place ballot in the return envelope provided, and mail no later than October 30, 2024, two calendar weeks prior to the date set for the election. Mailing later than this deadline creates the risk that the special tax ballot may not be received in time to be counted.

Personal Delivery: If in person, deliver to the City Clerk at any time up to 6:00 p.m. on November 13, 2024, at the Clerk's office at 23873 Clinton Keith Road, Suite 201 Wildomar, CA 92595.

However delivered, this ballot must be received by the Clerk prior to the close of the public meeting on November 13, 2024.

Very truly yours,

Janet Morales
City Clerk
City of Wildomar

TO CAST THIS BALLOT, PLEASE RETURN THIS ENTIRE PAGE.

OFFICIAL SPECIAL TAX BALLOT

Name & Address of Property Owner:	**Assessor's Parcel Number(s):**
CRP/CWR Westpark Project, LLC Attn: Matthew Thorne 5927 Priestly Drive #110 Carlsbad, CA 92008	376-410-013 376-410-023 376-410-025 (Por.)

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 7

MARK AN "X" OR OTHER MARK WILL CAST ALL VOTES ASSIGNED TO THIS BALLOT

SPECIAL TAX BALLOT MEASURE

Shall the City Council of the City of Wildomar be authorized to levy a special tax on an annual basis at the rates set forth in the following table:

Land Use Category	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B	Maximum Special Tax C (Contingent)
Single-Family Residential	RU	$389	$474.08	$53

plus an annual increase on each July 1, commencing on July 1, 2025 the Maximum Special Tax A and Maximum Special Tax C (Contingent) for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year or ii) by two percent (2.0%), whichever is greater, and the Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year or ii) by five percent (5.0%), whichever is greater, all not to exceed 6.0%, to finance certain services within the territory identified on the map entitled "Annexation Map No. 7 of Community Facilities District No. 2022-1 (Services) City of Wildomar" including landscaping, lighting, streets, drainage, parks, and graffiti for Special Tax A and drainage for Special Tax C (Contingent) as provided in the Rate and Method of Apportionment which is attached as Exhibit C to Resolution No. 2024-__ adopted by the City Council of the City of Wildomar on October 9, 2024 (including incidental expenses) and shall an appropriation limit be established for Community Facilities District No. 2022-1 (Services) in the amount of special taxes collected?

MARK "YES" OR "NO" WITH AN "X":

YES _____

NO _____

Certification for Special Election Ballot

The undersigned is an authorized representative of the above-named landowner and is the person legally authorized and entitled to cast this ballot on behalf of the above-named landowner.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____, 20_____.

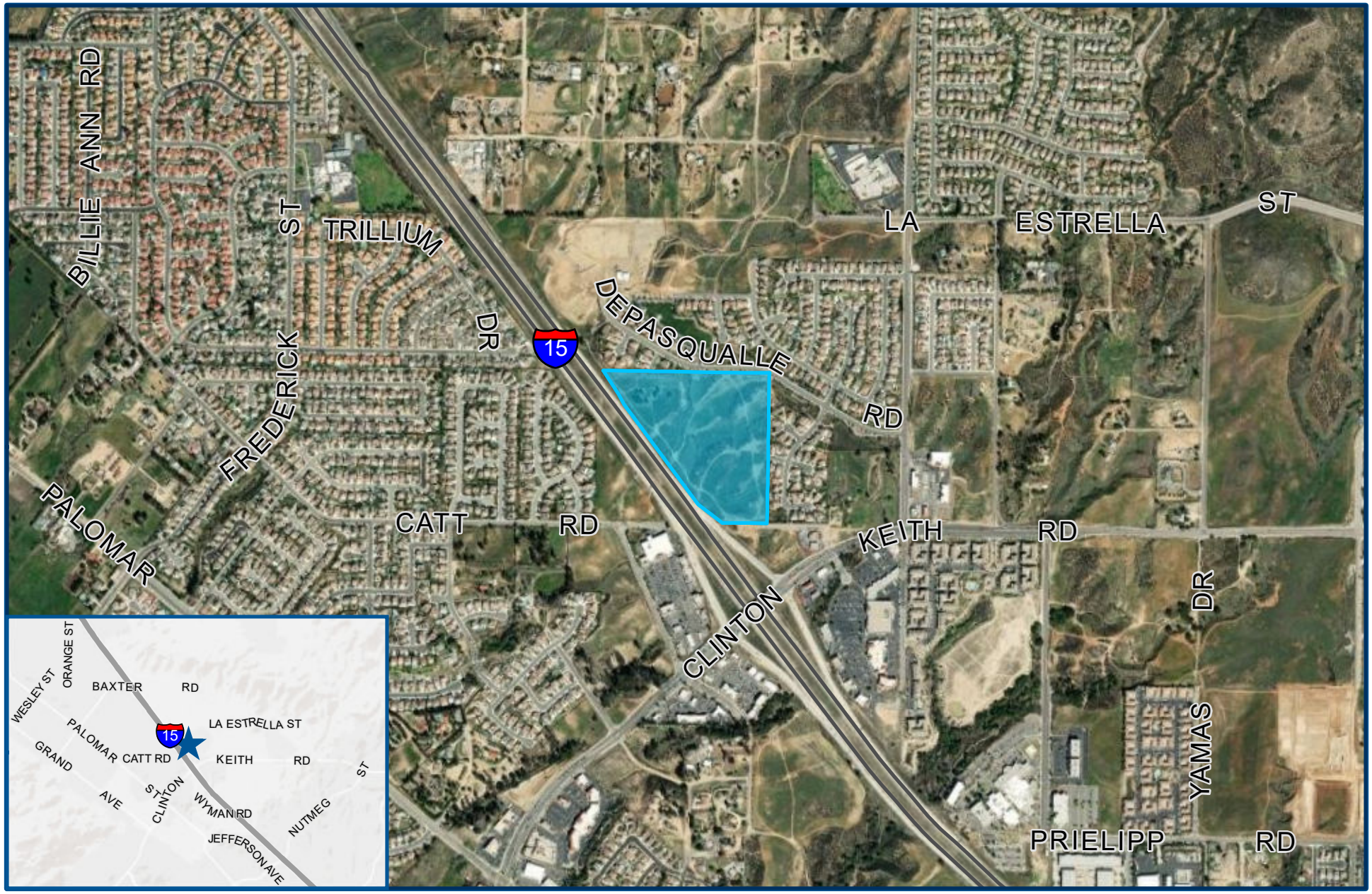
CRP/CWR Westpark Project, LLC
Matthew Thorne
COO

_____
Signature

_____
Print Name

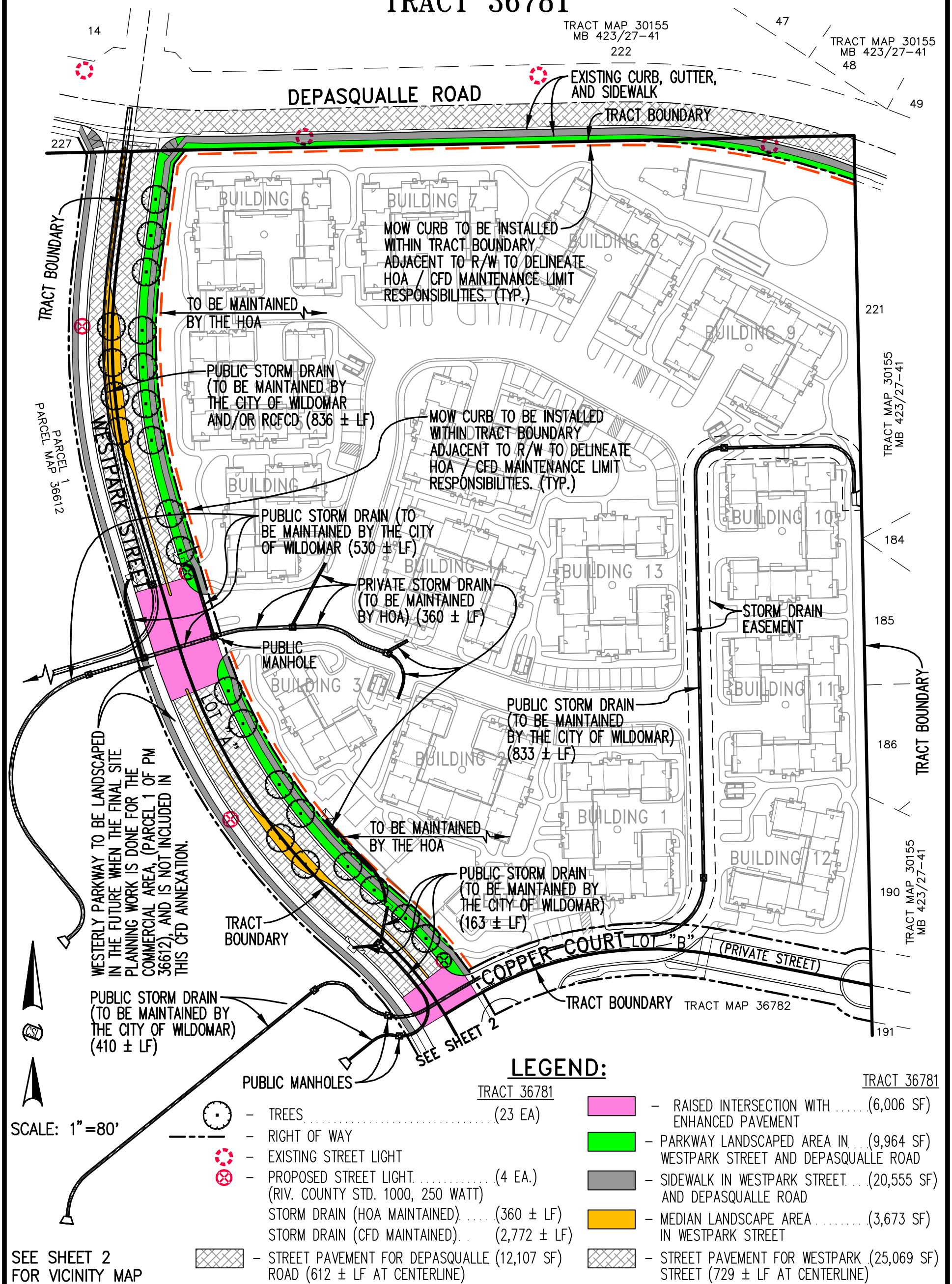
_____
Title

PROJECT MAP
CFD NO. 2022-1 (SERVICES)
ANNEXATION NO. 7



SPICER CONSULTING GROUP

WESTPARK PROMENADE RESIDENTIAL
CFD ANNEXATION EXHIBIT
(CFD 2022-1)
TRACT 36781



LEGEND:

	TRACT 36781
TREES	(23 EA)
RIGHT OF WAY	
EXISTING STREET LIGHT	
PROPOSED STREET LIGHT (RIV. COUNTY STD. 1000, 250 WATT)	(4 EA.)
STORM DRAIN (HOA MAINTAINED)	(360 ± LF)
STORM DRAIN (CFD MAINTAINED)	(2,772 ± LF)
STREET PAVEMENT FOR DEPASQUALLE ROAD (612 ± LF AT CENTERLINE)	(12,107 SF)

	TRACT 36781
RAISED INTERSECTION WITH ENHANCED PAVEMENT	(6,006 SF)
PARKWAY LANDSCAPED AREA IN WESTPARK STREET AND DEPASQUALLE ROAD	(9,964 SF)
SIDEWALK IN WESTPARK STREET AND DEPASQUALLE ROAD	(20,555 SF)
MEDIAN LANDSCAPE AREA IN WESTPARK STREET	(3,673 SF)
STREET PAVEMENT FOR WESTPARK STREET (729 ± LF AT CENTERLINE)	(25,069 SF)

SEE SHEET 2 FOR VICINITY MAP

PREPARED FOR:
CRP / CWR
WESTPARK PROJECT, LLC
5927 PRIESTLY DRIVE, SUITE 110
CARLSBAD, CA 92008

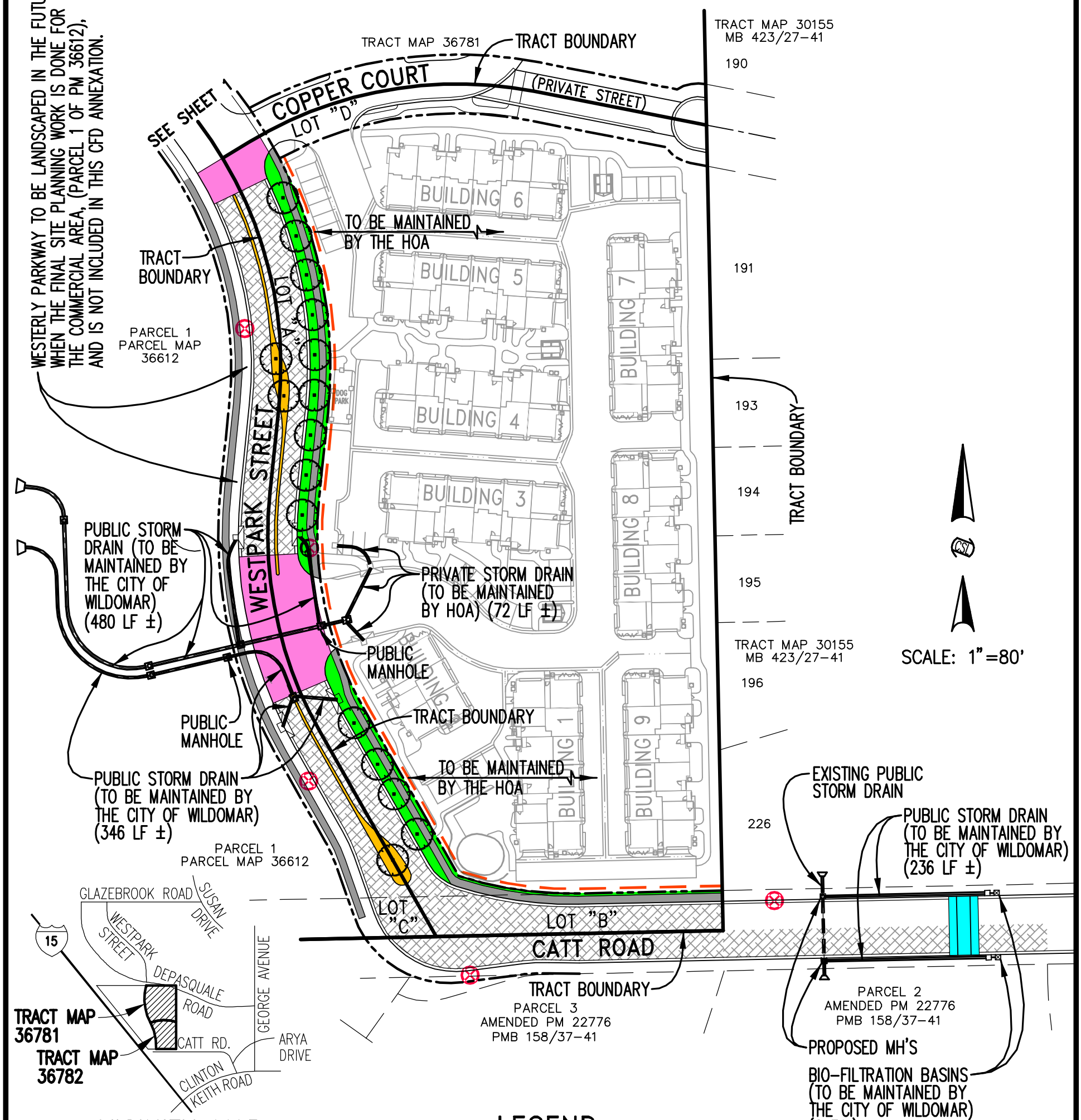
PREPARED BY:
CSL ENGINEERING, INC.
3410 LA SIERRA AVENUE, #F1190
RIVERSIDE, CALIFORNIA 92503

CFD 2022-1
CITY OF WILDOMAR
WESTPARK PROMENADE RESIDENTIAL
CFD ANNEXATION EXHIBIT
TRACT 36781

SHEET NO. 1
1 OF 3 SHTS

JN875/875 CFD/875_RESIDENTIAL_CFD_ANNEXATION_EXH.dwg/09-27-24/11"x17"/S:80

WESTPARK PROMENADE RESIDENTIAL
CFD ANNEXATION EXHIBIT
(CFD 2022-1)
TRACT 36782



VICINITY MAP
NOT TO SCALE

LEGEND:

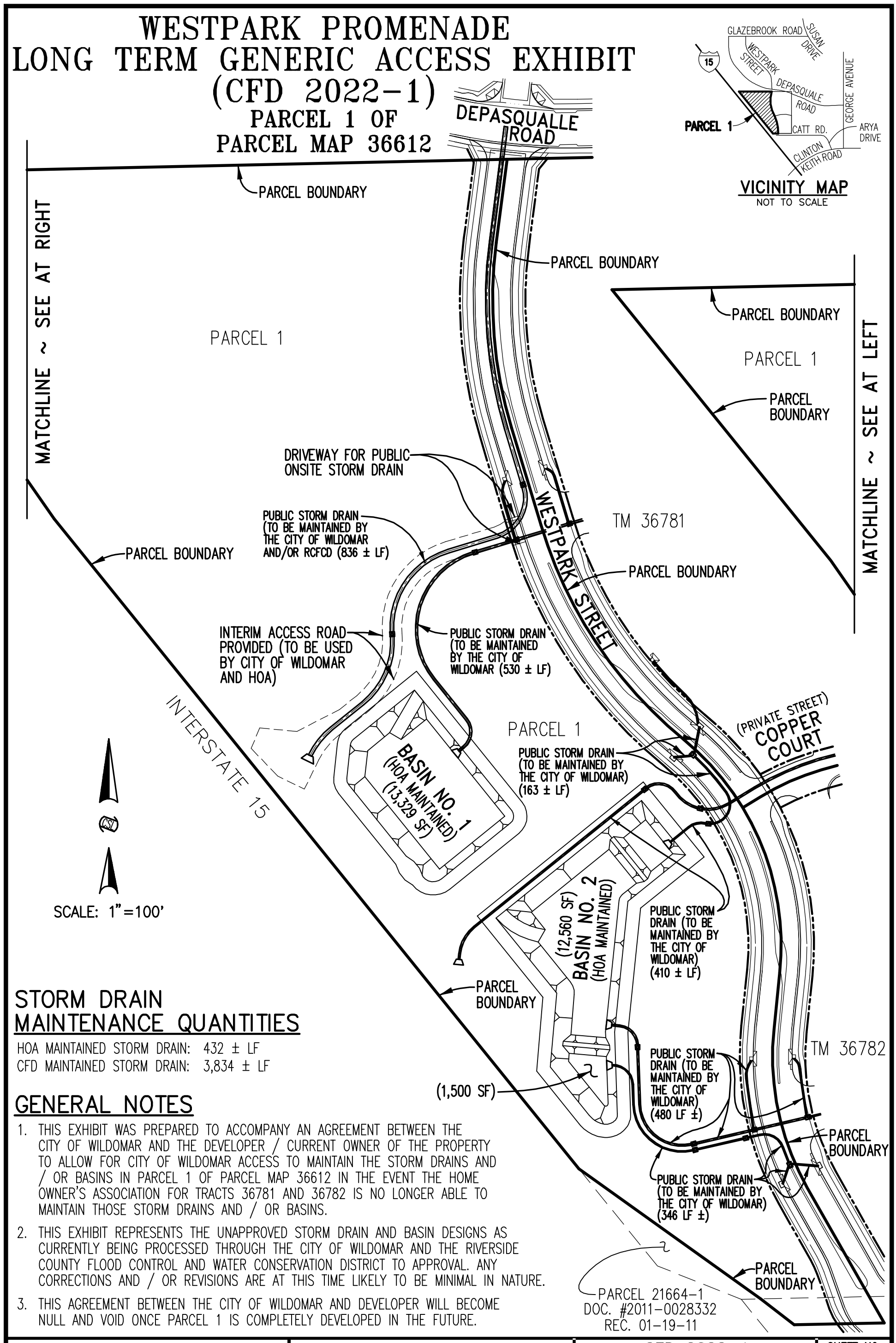
		TRACT 36782
⊗	PROPOSED STREET LIGHT (RIVERSIDE COUNTY STD. 1000, 250 WATT)	(5 EA.)
	STORM DRAIN (HOA MAINTAINED)	(72 ± LF)
	STORM DRAIN (CFD MAINTAINED)	(1,062 ± LF)
⊙	TREES	(16 EA)
— —	MOW CURB (TO BE INSTALLED WITHIN TRACT BOUNDARY ADJACENT TO R/W TO DELINEATE HOA / CFD MAINTENANCE LIMIT RESPONSIBILITIES)	
—·—·—	RIGHT OF WAY	
⊠	BIO-FILTRATION BASIN	(2 EA)

		TRACT 36782
	RAISED INTERSECTION WITH ENHANCED PAVEMENT	(6,408 SF)
	PARKWAY LANDSCAPED AREA IN WESTPARK STREET AND CATT ROAD	(5,374 SF)
	SIDEWALK AREA IN WESTPARK STREET AND CATT ROAD	(6,732 SF)
	MEDIAN LANDSCAPE AREA IN WESTPARK STREET AND CATT ROAD	(1,726 SF)
	RAISED CROSSWALK IN CATT ROAD	(880 SF)
	STREET PAVEMENT FOR WESTPARK STREET AND CATT ROAD (943 LF ± AT CENTERLINE)	(32,064 SF)

PREPARED FOR:	PREPARED BY:	CFD 2022-1	SHEET NO.
CRP / CWR WESTPARK PROJECT, LLC 5927 PRIESTLY DRIVE, SUITE 110 CARLSBAD, CA 92008	CSL ENGINEERING, INC. 3410 LA SIERRA AVENUE, #F1190 RIVERSIDE, CALIFORNIA 92503	CITY OF WILDOMAR WESTPARK PROMENADE RESIDENTIAL CFD ANNEXATION EXHIBIT TRACT 36782	2 2 OF 3 SHTS

JN875/875 CFD/875_RESIDENTIAL_CFD_ANNEXATION_EXH.dwg/10-01-24/11"x17"/S:80

WESTPARK PROMENADE
LONG TERM GENERIC ACCESS EXHIBIT
(CFD 2022-1)
PARCEL 1 OF PARCEL MAP 36612



STORM DRAIN MAINTENANCE QUANTITIES

HOA MAINTAINED STORM DRAIN: 432 ± LF
CFD MAINTAINED STORM DRAIN: 3,834 ± LF

GENERAL NOTES

1. THIS EXHIBIT WAS PREPARED TO ACCOMPANY AN AGREEMENT BETWEEN THE CITY OF WILDOMAR AND THE DEVELOPER / CURRENT OWNER OF THE PROPERTY TO ALLOW FOR CITY OF WILDOMAR ACCESS TO MAINTAIN THE STORM DRAINS AND / OR BASINS IN PARCEL 1 OF PARCEL MAP 36612 IN THE EVENT THE HOME OWNER'S ASSOCIATION FOR TRACTS 36781 AND 36782 IS NO LONGER ABLE TO MAINTAIN THOSE STORM DRAINS AND / OR BASINS.
2. THIS EXHIBIT REPRESENTS THE UNAPPROVED STORM DRAIN AND BASIN DESIGNS AS CURRENTLY BEING PROCESSED THROUGH THE CITY OF WILDOMAR AND THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT TO APPROVAL. ANY CORRECTIONS AND / OR REVISIONS ARE AT THIS TIME LIKELY TO BE MINIMAL IN NATURE.
3. THIS AGREEMENT BETWEEN THE CITY OF WILDOMAR AND DEVELOPER WILL BECOME NULL AND VOID ONCE PARCEL 1 IS COMPLETELY DEVELOPED IN THE FUTURE.

PREPARED FOR:	PREPARED BY:	CFD 2022-1	SHEET NO.
CRP / CWR WESTPARK PROJECT, LLC 5927 PRIESTLY DRIVE, SUITE 110 CARLSBAD, CA 92008	CSL ENGINEERING, INC. 3410 LA SIERRA AVENUE, #F1190 RIVERSIDE, CALIFORNIA 92503	CITY OF WILDOMAR WESTPARK PROMENADE LONG TERM GENERIC ACCESS EXHIBIT PARCEL 1 OF PARCEL MAP 36612	3 3 OF 3 SHTS

JN875/875 CFD/875_RESIDENTIAL_CFD_ANNEXATION_EXH.dwg/10-01-24/11"x17"/S:100

SUBJECT: Annexation No. 11 into Community Facilities District No. 2022-1 (Services) for Wildomar Commerce Center (PM 38646)

SUBMITTED BY: Ninette Eva, Associate Engineer

PREPARED BY: Ninette Eva, Associate Engineer

ACTION:
Adopt a Resolution entitled:

RESOLUTION NO. 2024 - ____
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ITS INTENTION TO ANNEX TERRITORY TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES), OF THE CITY OF WILDOMAR, ADOPTING A MAP OF THE AREA PROPOSED TO BE ANNEXED (ANNEXATION NO. 11) AND AUTHORIZING THE LEVY OF SPECIAL TAXES THEREIN

SUMMARY:
The resolution of intention will begin the proceedings for the annexation of Wildomar Commerce Center into the Community Facilities District No. 2022-1 for Maintenance Services and will authorize the levying of special taxes on parcels of the taxable property to cover the costs associated with the maintenance of public improvements.

BACKGROUND:
On June 8, 2022 the City Council adopted Resolution No. 2022-30 establishing Community Facilities District No. 2022-1 (Services) of the City of Wildomar (the "CFD No. 2022-1" or "District") and authorizing the levying of special taxes on parcels of taxable property for the purpose of providing certain services which are necessary to meet increased demands placed upon the City.

The owners, White Sable, LLC and Wildomar One, LLC, of PM 38646 containing 25.90 gross acres within the City, have requested that the City annex this territory into CFD No. 2022-1 (Services) to cover the costs associated with the maintenance of public improvements. The improvements proposed to be maintained include items such as landscaping, lighting, street maintenance, and drainage.

The landowner has advised the City that it desires the area described in Exhibit A of the Resolution of Intention to be annexed into CFD No. 2022-1 and that a rate and method of apportionment of special tax to be levied therein be established.

DISCUSSION:
The area proposed within Annexation No. 11 will encompass 25.90 acres to include a 293,173 square-foot industrial/business park, with a FY 2024-25 maximum annual tax of $3,878 per acre, per year. The property proposed to be annexed into CFD No. 2022-1 will be included in Tax Zone 11. This tax rate includes a Maximum Special Tax A of $1,936 per acre per year for maintenance services of public facilities, and Maximum Special Tax C (Contingent) of $1,942 per acre per year. Special Tax C (contingent) is for the basin, basin trees and access road being maintained by the property owner and will not be levied unless the owner fails to maintain the facilities to City standards. These tax rates are proposed to escalate each year. Maximum Special Tax A will increase by the greater of Consumer Price Index (CPI) or 2% and Special Tax C will increase by the greater of Consumer Price Index (CPI) or 2%, both not to exceed 6%. White Sable, LLC and Wildomar One, LLC have agreed to the annexation into the CFD and submitted a "Consent and Waiver" form on file in the City Clerk's Office, to initiate and conduct proceedings pursuant to the Mello-Roos Act of 1982, requesting the annexation of property to CFD No. 2022-1 (Services) and consenting to the shortening of election time requirements, waiving analysis and arguments, and waiving all notice requirements relating to conduct the election.

The next step to annex the property to CFD No. 2022-1 is to publish a notice of public hearing of the proposed annexation as required by the Mello-Roos Act. A public hearing on the matter will take place on November 13, 2024, and at that time the Council will formally consider approval of Annexation No. 11.

FISCAL IMPACT:
The projected levy for FY 2024-25 is $39,613 for the first year of Special Tax A maintenance services and Special Tax C, if needed, will generate $39,731. These levies are intended to offset the City's future costs to maintain the new public improvements. Costs associated with the processing of this annexation are covered by developer fees and deposits. There is no impact to the General Fund.

ATTACHMENTS:
Resolution of Intention - Annexation No. 11
1 - Resolution Exhibits A through G
2 - Project Map Annexation No. 11
3 - Maintenance Exhibits

RESOLUTION NO. 2024 - _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ITS INTENTION TO ANNEX TERRITORY INTO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, ADOPTING A MAP OF THE AREA PROPOSED TO BE ANNEXED (ANNEXATION NO. 11) AND AUTHORIZING THE LEVY OF SPECIAL TAXES THEREIN

WHEREAS, on June 8, 2022, the City Council (the "City Council") of the City of Wildomar (the "City") approved Resolution No. 2022-30 establishing Community Facilities District No. 2022-1 (Services) ("CFD No. 2022-1"), of the City of Wildomar, County of Riverside, State of California, for the purpose of levying special taxes on parcels of taxable property therein for the purpose of providing certain services which are necessary to meet increased demands placed upon the City; and

WHEREAS, the City Council has received a written instrument from the landowner to initiate and conduct proceedings pursuant to the Mello-Roos Community Facilities District Act of 1982 (the "Act"), to annex territory into CFD No. 2022-1 and consenting to the shortening of election time requirements, waiving analysis and arguments, and waiving all notice and word limit requirements for the ballot relating to the conduct of the election; and

WHEREAS, the City Council has been advised that the landowner has requested that the area described and shown in Exhibit A be annexed into the boundaries of CFD No. 2022-1, that a rate and method of apportionment of special tax to be levied therein be established.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WILDOMAR, ACTING EX OFFICIO AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, DETERMINE AND ORDER AS FOLLOWS:

Section 1. Intent to Annex. The City Council hereby declares that it proposes and intends to conduct proceedings pursuant to Article 3.5 of the Act for the annexation to CFD No. 2022-1 of the territory described in Exhibit A attached hereto. The City Council determines that the public convenience and necessity require that such territory be annexed into CFD No. 2022-1.

Section 2. Name of the Community Facilities District. The name of the existing community facilities district is known as "Community Facilities District No. 2022-1 (Services)."

Section 3. Description of Territory Proposed to be Annexed, Annexation Map. The territory proposed to be annexed is included within the boundaries within which property may annex to CFD No. 2022-1 and is more particularly described and shown on that certain map entitled “Proposed Boundary Map Community Facilities District No. 2022-1 of the City of Wildomar (Services) of the City of Wildomar, County of Riverside, State of California” as recorded on April 19, 2022 in Book 88 of Maps of Assessment and Community Facilities District, Pages 77, and as Instrument No. 2022-0183915 in the official records of the County of Riverside. The territory proposed to be annexed to CFD No. 2022-1 is described in Exhibit A attached hereto and by this reference made a part hereof. Such territory is also shown and described on the map thereof entitled "Proposed Annexation Map No. 11, Community Facilities District No. 2022-1 (Services), City of Wildomar, County of Riverside, State of California," which is on file with the City Clerk (the "Annexation Map") and attached hereto as Exhibit D.

Section 4. Description of Authorized Services. The services proposed to be financed by CFD No. 2022-1 (the “Services”) are described in Exhibit B attached hereto. The cost of providing the Services includes “administrative expenses,” which include costs associated with the creation of CFD No. 2022-1, determination of the amount of special taxes, collection or payment of special taxes, or costs otherwise incurred in order to carry out the authorized purposes of CFD No. 2022-1. The Services authorized to be financed by CFD No. 2022-1 are in addition to those currently provided in the territory of CFD No. 2022-1 and do not supplant services already available within that territory.

Section 5. Levy of Special Taxes. Except where funds are otherwise available, a special tax sufficient to pay the costs of the Services (including administrative expenses), secured by recordation of a continuing lien against all nonexempt real property in CFD No. 2022-1, will be levied annually within CFD No. 2022-1. The rate and method of apportionment, and manner of collection of the special tax are specified in Exhibit C.

Section 6. Adoption of Annexation Map. Pursuant to Section 3110.5 of the Streets and Highways Code, the City Council adopts the Annexation Map attached hereto as Exhibit D as the map of the area proposed to be annexed to CFD No. 2022-1. Pursuant to Section 3111 of said Code, the City Clerk shall file the original of the Annexation map in her office and shall file a copy of the Annexation Map with the County Recorder of the County of Riverside no later than 15 days prior to the date of the hearing specified in Section 7 hereof.

Section 7. Public Hearing. The City Council hereby fixes 6:00 p.m., or as soon thereafter as practicable, on Wednesday, November 13, 2024, in the City Council Chambers located at 23873 Clinton Keith Rd., Wildomar, California 92595, as the time and place when and where the City Council will conduct a public hearing on the proposed annexation of the said territory to CFD No. 2022-1.

Section 8. Notice of Public Hearing. The City Clerk is hereby directed to publish, or cause to be published, a notice of said public hearing, in substantially the form attached hereto as Exhibit F, one time in a newspaper of general circulation published in the area of CFD No. 2022-1. The publication of said notice shall be completed at least seven days prior to the date herein fixed for said hearing. Said notice shall

contain the information prescribed by Section 53322 of the Act.

Section 9. Mailing Ballots. In anticipation of its action on Wednesday, November 13, 2024 to call the election on the annexation for the same date, pursuant to waiver of election time limits from the landowners, the City Council hereby authorizes the City Clerk to mail to each landowner in the territory proposed to be annexed to the CFD No. 2022-1 a ballot, the full text of which shall be as set forth in Exhibit G hereto and shall be included in the ballot pamphlet mailed to each qualified elector. A copy of the waiver and consent form signed by the property owner is attached hereto as Exhibit E and incorporated herein by this reference.

PASSED, APPROVED, AND ADOPTED this 9th day of October 2024.

_____
Bridgette Moore
Mayor

APPROVED AS TO FORM:

_____
Thomas D. Jex
City Attorney

ATTEST:

_____
Janet Morales
City Clerk

EXHIBIT A

DESCRIPTION OF PROPOSED TERRITORY TO BE ANNEXED

DESCRIPTION OF PROPOSED TERRITORY TO BE ANNEXED

The City of Wildomar Community Facilities District No. 2022-1 (Services) (the "CFD No. 2022-1") Annexation No. 11, is currently comprised of thirteen (13) parcels located within the city boundaries. The property is identified by the following Riverside County Assessor's Parcel Number (APN).

APN	Owner Name
380-520-001	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-520-002	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-520-003	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-520-004	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-520-005	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-520-006	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-520-007	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-520-008	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-250-052	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-250-053	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-250-054	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-250-055	WHITE SABLE, LLC & WILDOMAR ONE, LLC
380-250-056	WHITE SABLE, LLC & WILDOMAR ONE, LLC

EXHIBIT B

DESCRIPTION OF SERVICES

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
DESCRIPTION OF AUTHORIZED SERVICES

The services which may be financed with proceeds of the special tax of CFD No. 2022-1, as provided by Section 53313 of the Act, will include all costs attributable to maintaining, servicing, cleaning, repairing and/or replacing landscaped areas (may include reserves for replacement) in public street right-of-ways, public landscaping, public open spaces and other similar landscaped areas officially dedicated for public use. In addition, the services which may include some or all costs attributable to police protection, and fire services. These services including the following:

(a) maintenance and lighting of parks, parkways, streets, roads and open space, which maintenance and lighting services may include, without limitation, furnishing of electrical power to street lights; repair and replacement of damaged or inoperative light bulbs, fixtures and standards; maintenance (including irrigation and replacement) of landscaping vegetation situated on or adjacent to parks, parkways, streets, roads and open space; maintenance and repair of irrigation facilities; maintenance of public signage; graffiti removal from and maintenance and repair of public structures situated on parks, parkways, streets, roads and open space; maintenance and repair of playground or recreation program equipment or facilities situated on any park; and

(b) maintenance and operation of water quality improvements which include storm drainage and flood protection facilities, including, without limitation, drainage inlets, catch basin inserts, infiltration basins, flood control channels, fossil fuel filters, and similar facilities. Maintenance services may include but is not limited to the repair, removal or replacement of all or part of any of the water quality improvements, fossil fuel filters within the public right-of-way including the removal of petroleum hydrocarbons and other pollutants from water runoff, or appurtenant facilities, clearing of inlets and outlets; erosion repairs; and cleanup to improvements, and other items necessary for the maintenance, servicing; or both of the water quality basin improvements within flood control channel improvements; and

(c) public street sweeping, on the segments of the arterials within the boundaries of CFD No. 2022-1; as well as local roads within residential subdivisions located within CFD No. 2022-1; and any portions adjacent to the properties within CFD No. 2022-1; and

(d) police protection services, including but not limited to criminal justice services, and fire protection and suppression services.

In addition to payment of the cost and expense of the forgoing services, proceeds of the special tax may be expended to pay “Administrative Expenses,” as said term is defined in the Rate and Method of Apportionment.

The above services shall be limited to those provided within the boundaries of CFD No. 2022-1 or for the benefit of the properties within the boundaries of CFD No. 2022-1, as the boundary is expanded from time to time by anticipated annexations, and said services may be financed by proceeds of the special tax of CFD No. 2022-1 only to the extent that they are in addition to those provided in the territory of CFD No. 2022-1 before CFD No. 2022-1 was created.

EXHIBIT C

RATE AND METHOD OF APPORTIONMENT

RATES AND METHOD OF APPORTIONMENT OF SPECIAL TAX FOR COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR

Special Taxes (defined below) shall be levied on and collected from each Assessor's Parcel (defined below) in Community Facilities District No. 2022-1 (Services) of the City of Wildomar (the "CFD No. 2022-1" or "CFD"; defined below), in each Fiscal Year, (defined below), commencing in the Fiscal Year beginning July 1, 2022, in an amount determined by the City Council of the City of Wildomar, acting ex officio as the legislative body of CFD No. 2022-1, by applying the rates and method of apportionment set forth below. All of the real property in CFD No. 2022-1, unless exempted by law or by the provisions herein, shall be taxed to the extent and in the manner provided herein.

A. DEFINITIONS

"Accessory Dwelling Unit" means a residential unit of limited size including a smaller second unit that shares an Assessor's Parcel as a Single Family Residential Property with a stand-alone Residential Unit.

"Acre" or **"Acreage"** means the land area of an Assessor's Parcel as shown on any Assessor's Parcel Map, or if the land area is not shown on the Assessor's Parcel Map, the land area as shown on the applicable Final Map, or if the area is not shown on the applicable Final Map, the land area shall be calculated by the Administrator.

"Administrative Expenses" means the actual or reasonably estimated costs directly related to the formation, annexation, and administration of CFD No. 2022-1 including, but not limited to: the costs of computing the Special Taxes and preparing the annual Special Tax collection schedules (whether by the City or designee thereof or both); the costs to the City, CFD No. 2022-1, or any designee thereof associated with fulfilling the CFD No. 2022-1 disclosure requirements; the costs associated with responding to public inquiries regarding the Special Taxes; the costs of the City, CFD No. 2022-1 or any designee thereof related to an appeal of the Special Tax; and the City's annual administration fees and third party expenses. Administrative Expenses shall also include amounts estimated or advanced by the City or CFD No. 2022-1 for any other administrative purposes of CFD No. 2022-1, including attorney's fees and other costs related to commencing and pursuing to completion any foreclosure of delinquent Special Taxes.

"Administrator" means the City Manager of the City of Wildomar, or his or her designee.

"Approved Property" means all Assessor's Parcels of Taxable Property that are included in a Final Map that was recorded prior to the March 1 of preceding the Fiscal Year in which the Special Tax is being levied and for which no building permit for new construction has been issued on or prior to March 1 preceding the Fiscal Year in which the Special Tax is being levied.

"Assessor's Parcel" means a lot or parcel of land that is identifiable by an Assessor's Parcel Number by the County Assessor of the County of Riverside.

"Assessor's Parcel Map" means an official map of the Assessor of the County designating parcels by Assessor's Parcel Number.

"Assessor's Parcel Number" means that identification number assigned to a parcel by the County Assessor of the County.

"Building Permit" means the first legal document issued by the City giving official permission for new

construction. For purposes of this definition, "Building Permit" may or may not include expired or cancelled building permits, or any subsequent building permit document(s) authorizing new construction on an Assessor's Parcel that are issued or changed by the City after the first original issuance, as determined by the CFD Administrator

"Building Square Footage" or **"BSF"** means the floor area square footage reflected on the original construction building permit issued for construction of a building of Non-Residential Property and any Building Square Footage subsequently added to a building of such Taxable Property after issuance of a building permit for expansion or renovation of such building.

"Calendar Year" means the period commencing January 1 of any year and ending the following December 31.

"CFD" or **"CFD No. 2022-1"** means Community Facilities District No. 2022-1 (Services) of the City of Wildomar.

"City" means the City of Wildomar.

"Contingent Services" means services permitted under the Mello-Roos Community Facilities Act of 1982 including, without limitation, those services authorized to be funded by CFD No. 2022-1 as set forth in the documents adopted by the City Council at the time the CFD was formed to be provided by the City in the event the Administrator makes a determination pursuant to Section C(3) that a Property Owners' Association fails to adequately provide such services.

"County" means the County of Riverside.

"Developed Property" means all Assessor's Parcels that: (i) are included in a Final Map that was recorded prior to the January 1st preceding the Fiscal Year in which the Special Tax is being levied, and (ii) have an Assessor's Parcel Number from the County shown on an Assessor's Parcel Map for the individual lot included on the Final Map, and (iii) a Building Permit for new construction was issued on or before May 1st preceding the Fiscal Year in which the Special Tax is being levied.

"Exempt Property" means all Assessors' Parcels designated as being exempt from the Special Tax as provided for in Section G.

"Final Map" means a subdivision of property by recordation of a final map, parcel map, or lot line adjustment, pursuant to the Subdivision Map Act (California Government Code Section 66410 et seq.) or recordation of a condominium plan pursuant to California Civil Code 6624 that creates individual lots for which building permits may be issued without further subdivision.

"Fiscal Year" means the period from and including July 1st of any year to and including the following June 30th.

"Land Use Category" or **"LUC"** means, any of the categories contained in Section B hereof to which an Assessor's Parcel is assigned consistent with the land use approvals that have been received or proposed for the Assessor's Parcel as of March 1 preceding the Fiscal Year in which the Special Tax is being levied.

"Maximum Special Tax" means the Maximum Special Tax A, Maximum Special Tax B, and/or Maximum Special Tax C (Contingent), as applicable.

"Maximum Special Tax A" means the Maximum Special Tax A, as determined in accordance with Section C, below, that can be levied in any Fiscal Year on any Assessor's Parcel within CFD No. 2022-1.

"Maximum Special Tax B" means the Maximum Special Tax B, as determined in accordance with Section C, below, that can be levied in any Fiscal Year on any Assessor's Parcel within CFD No. 2022-1.

"Maximum Special Tax C (Contingent)" means for each Assessor's Parcel and each Fiscal Year, the maximum Special Tax C (Contingent), as determined in accordance with Section C below that can be levied on such Assessor's Parcel in such Fiscal Year.

"Multi-Family Residential Property" or **"MFR"** means any Assessor's Parcel of residential property that consists of a building or buildings comprised of attached Residential Units available for rental, but not purchase, by the general public and under common management.

"Non-Residential Property" or **"NR"** means, all Assessor's Parcels of Taxable Property for which a building permit(s) was issued for a non-residential use. The Administrator shall make the determination if an Assessor's Parcel is Non-Residential Property.

"Property Owner's Association" or **"POA"** means the property owner's association or homeowner's association established to maintain certain services within a Tax Zone.

"Proportionately" means for Taxable Property that is: (i) Developed Property, that the ratio of the actual Special Tax levy to the Maximum Special Tax is the same for all Parcels of Developed Property, (ii) Approved Property, that the ratio of the actual Special Tax levy to the Maximum Special Tax is the same for all Parcels of Approved Property, and (iii) Undeveloped Property that the ratio of the actual Special Tax levy per acre to the Maximum Special Tax per acre is the same for all Parcels of Undeveloped Property.

"Residential Unit" or **"RU"** means a residential unit that is used or intended to be used as a domicile by one or more persons, as determined by the Administrator. An Accessory Dwelling Unit that shares an Assessor's Parcel with a Single Family Residential Property shall not be considered a Residential Unit for purposes of this RMA.

"Residential Property" means all Assessor's Parcels of Taxable Property upon which completed Residential Units have been constructed or for which building permits have been or may be issued for purposes of constructing one or more Residential Units.

"RMA" means this Rate and Method of Apportionment of Special Taxes.

"Service(s)" means services permitted under the Mello-Roos Community Facilities Act of 1982 including, without limitation, those services authorized to be funded by CFD No. 2022-1 as set forth in the documents adopted by the City Council at the time the CFD was formed.

"Single Family Residential Property" or **"SFR"** means any residential property that consists of a building comprised of attached or detached residential units available for purchase or rent by the general public.

"Special Tax(es)" means the Special Tax A and/or Special Tax B and/or Special Tax C (Contingent) to be levied in each Fiscal Year on each Assessor's Parcel of Taxable Property.

"Special Tax A" means the annual special tax to be levied in each Fiscal Year on each Assessor's Parcel of Taxable Property to fund the Special Tax A Requirement.

"Special Tax A Requirement" means that amount to be collected in any Fiscal Year to pay for certain costs as required to meet the needs of CFD No. 2022-1 in the next Fiscal Year. The costs to be covered shall be the direct costs for maintenance services including but not limited to (i) maintenance and lighting of parks, parkways, streets, roads, and open space, (ii) maintenance and operation of water quality improvements, (iii) public street sweeping, (iv) fund an operating reserve for the costs of Services as determined by the Administrator, and (v) Administrative Expenses. Under no circumstances shall the Special Tax A Requirement include funds for bonds or other forms of indebtedness.

"Special Tax B" means the annual special tax to be levied in each Fiscal Year on each Assessor's Parcel of Developed Property to fund the Special Tax B Requirement.

"Special Tax B Requirement" means that amount to be collected in any Fiscal Year to pay for certain costs as required to meet the needs of CFD No. 2022-1 in the next Fiscal Year. The costs to be covered shall be the direct costs for (i) police protection services, (ii) fire protection and suppression services, (iii) fund an operating reserve for the costs of Services as determined by the Administrator, and (iv) Administrative Expenses. Under no circumstances shall the Special Tax B Requirement include funds for bonds or other forms of indebtedness.

"Special Tax C (Contingent)" means the annual special tax to be levied in each Fiscal Year on each Assessor's Parcel of Taxable Property to fund the Special Tax C (Contingent) Requirement, if required.

"Special Tax C (Contingent) Requirement" means that amount required in any Fiscal Year, if the POA is unable to maintain the Contingent Service(s) to: (i) pay the costs of Contingent Services incurred or otherwise payable in the Calendar Year commencing in such Fiscal Year; (ii) fund an operating reserve for the costs of Contingent Services as determined by the Administrator; less a credit for funds available to reduce the annual Special Tax C (Contingent) levy as determined by the Administrator. Under no circumstances shall the Special Tax C (Contingent) Requirement include funds for bonds or other forms of indebtedness..

"Taxable Property" means all Assessor's Parcels within CFD No. 2022-1, which are not Exempt Property.

"Taxable Unit" means a Residential Unit, Building Square Footage, or an Acre.

"Tax Zone" means a mutually exclusive geographic area, within which particular Special Tax rates may be levied pursuant to this Rate and Method of Apportionment of Special Tax.

"Tax Zone Original" means the geographic area the specific area identified on the CFD Boundary Map as Tax Zone Original.

"Tract(s)" means an area of land within a subdivision identified by a particular tract number on a Final Map approved for the subdivision.

"Undeveloped Property" means, for each Fiscal Year, all Taxable Property not classified as Developed Property or Approved Property.

B. ASSIGNMENT TO LAND USE CATEGORIES

For each Fiscal Year, all Assessor's Parcels of Taxable Property within CFD No. 2022-1 shall be classified as Developed Property, Approved Property, or Undeveloped Property, and shall be subject to the levy of Special Taxes as determined pursuant to Sections C and D below. Assessor's Parcels of Developed Property

and Approved Property shall be classified as either Residential Property or Non-Residential Property. Residential Property shall be further classified as Single Family Residential Property or Multi-Family Residential Property and the number of Residential Units shall be determined by the Administrator.

C. MAXIMUM SPECIAL TAX RATES

For purposes of determining the applicable Maximum Special Tax for Assessor's Parcels of Developed Property and Approved Property which are classified as Residential Property, all such Assessor's Parcels shall be assigned the number of Residential Unit(s) constructed or to be constructed thereon as specified in or shown on the building permit(s) issued or Final Map as determined by the Administrator. Once a single family attached or multi-family building or buildings have been built on an Assessor's Parcel, the Administrator shall determine the actual number of Residential Units contained within the building or buildings, and the Special Tax A and Special Tax C (Contingent) levied against the Assessor's Parcel in the next Fiscal Year shall be calculated by multiplying the actual number of Residential Units by the Maximum Special Tax per Residential Unit for the Tax Zone below or as included in Appendix A as each annexation occurs.

For purposes of determining the applicable Maximum Special Tax for Assessor's Parcels of Developed Property and Approved Property which are classified as Non-Residential Property, all such Assessor's Parcels shall be assigned the number of Building Square Footage or Acres as shown on the Final Map as determined by the Administrator. Once the Administrator determines the actual number of Building Square Footage or Acres for the Assessor's Parcels, the Special Tax A, Special Tax B, and Special Tax C (Contingent) levied against the Assessor's Parcel in the next Fiscal Year shall be calculated by multiplying the number of Building Square Footage or Acres by the Maximum Special Tax per Taxable Unit identified for the applicable Tax Zone below or as included in Appendix A as each annexation occurs.

1. Special Tax A

a. Developed Property

(i) Maximum Special Tax A

The Maximum Special Tax A for each Assessor's Parcel of Developed Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this RMA shall be updated to reflect the Maximum Special Tax A for Developed Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Developed Property for such Tract or Tracts as specified in such updated Appendix A for the annexed property which shall reflect the Maximum Special Tax for the Tract or Tracts annexed. The Maximum Special Tax A for Fiscal Year 2022-2023 for a Residential Unit of Developed Property within the Tax Zone Original are identified in Table 1 below:

TABLE 1
MAXIMUM SPECIAL TAX A RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Single Family Residential Property	RU	$408
		Multi-Family Residential Property	RU	$408
		Non-Residential Property	Acre	$5,267

(ii) Increase in the Maximum Special Tax A

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

(iii) Multiple Land Use Categories

In some instances an Assessor's Parcel of Developed Property may contain more than one Land Use Category. The Maximum Special Tax A that can be levied on an Assessor's Parcel shall be the sum of the Maximum Special Tax A that can be levied for each Land Use Category located on that Assessor's Parcel. For an Assessor's Parcel that contains more than one land use, the Acreage of such Assessor's Parcel shall be allocated to each type of property based on the amount of Acreage designated for each land use as determined by reference to the site plan approved for such Assessor's Parcel. The Administrator's allocation to each type of property shall be final.

b. Approved Property

The Maximum Special Tax A for each Assessor’s Parcel of Approved Property in Table 2 is specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, the Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax A for Approved Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Approved Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax A for Fiscal Year 2022-2023 per Residential Unit for Approved Property within Tax Zone Original is identified in Table 2 below:

TABLE 2
MAXIMUM SPECIAL TAX A RATES
APPROVED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Single Family Residential Property	RU	$408
		Multi-Family Residential Property	RU	$408
		Non-Residential Property	Acre	$5,267

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Approved Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

c. Undeveloped Property

The Maximum Special Tax A for each Assessor's Parcel of Undeveloped Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method adopted shall be updated to reflect the Maximum Special Tax A for Undeveloped Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Undeveloped Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax A for Fiscal Year 2022-2023 per acre of Undeveloped Property within Tax Zone Original is identified in Table 3 below:

TABLE 3
MAXIMUM SPECIAL TAX A RATES
UNDEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tracts	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Acre	$5,267

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

2. Special Tax B

The Special Tax B is an annual Special Tax that shall be levied on Developed Property to fund the Special Tax B Requirement.

a. Developed Property

(i) Maximum Special Tax B

The Maximum Special Tax B for Fiscal Year 2022-2023 for each Land Use Category within Tax Zone Original is shown in Table 4. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax B for the Tract or Tracts annexed and the Special Tax B shall be levied up to the Maximum Special Tax B for Developed Property for such Tract or Tracts as specified in such updated Appendix A.

TABLE 4
MAXIMUM SPECIAL TAX B RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Land Use Category	Unit	Maximum Special Tax B
Single Family Residential Property	RU	$430
Multi-Family Residential Property	RU	$305

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by five percent (5.0%), whichever is greater.

The Special Tax B shall not be levied on Approved or Undeveloped Property.

3. Special Tax C (Contingent)

The City Council shall levy Special Tax C (Contingent) only in the event the POA defaults in its obligation to maintain the Contingent Services, which default shall be deemed to have occurred, as determined by the Administrator, in each of the following circumstances:

(a) The POA files for bankruptcy;
(b) The POA is dissolved;
(c) The POA ceases to levy annual assessments for the Contingent Services; or
(d) The POA fails to provide the Contingent Services at the same level as the City provides similar services and maintains similar improvements throughout the City and within ninety (90) days after written notice from the City, or such longer period permitted by the City Manager, fails to remedy the deficiency to the reasonable satisfaction of the City Council.

a. <u>Developed Property</u>

(i) <u>Maximum Special Tax C (Contingent)</u>

The Maximum Special Tax C (Contingent) for each Assessor's Parcel of Taxable Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Developed Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 5 below:

TABLE 5
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Single Family Residential Property	RU	$261
		Multi-Family Residential Property	RU	$261
		Non-Residential Property	Acre	$3,372

(ii) Increase in the Maximum Special Tax C (Contingent)

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

(iii) Multiple Land Use Categories

In some instances, an Assessor's Parcel of Developed Property may contain more than one Land Use Category. The Maximum Special Tax C (Contingent) that can be levied on an Assessor's Parcel shall be the sum of the Maximum Special Tax C (Contingent) that can be levied for each Land Use Category located on that Assessor's Parcel. For an Assessor's Parcel that contains more than one land use, the Acreage of such Assessor's Parcel shall be allocated to each type of property based on the amount of Acreage designated for each land use as determined by reference to the site plan approved for such Assessor's Parcel. The Administrator's allocation to each type of property shall be final.

b. Approved Property

The Maximum Special Tax C (Contingent) for each Assessor’s Parcel of Approved Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Approved Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 6 below:

TABLE 6
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
APPROVED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Single Family Residential Property	RU	$261
		Multi-Family Residential Property	RU	$261
		Non-Residential Property	Acre	$3,372

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Approved Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

c. Undeveloped Property

The Maximum Special Tax C (Contingent) for each Assessor's Parcel of Undeveloped Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Undeveloped Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 7 below:

TABLE 7
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
UNDEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Acre	$3,372

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

D. METHOD OF APPORTIONMENT OF ANNUAL SPECIAL TAX

1. Special Tax A

Commencing with Fiscal Year 2022-2023 and for each following Fiscal Year in which Special Tax A is authorized to be levied, the Council shall determine the Special Tax A Requirement and shall levy

the Special Tax A on all Assessor's Parcels of Taxable Property until the aggregate amount of Special Tax A equals the Special Tax A Requirement. The Special Tax A shall be levied for each Fiscal Year within each Tax Zone as follows:

First: The Special Tax A shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax A to satisfy the Special Tax A Requirement;

Second: If additional moneys are needed to satisfy the Special Tax A Requirement after the first step has been completed, the Special Tax A shall be levied Proportionately on each Parcel of Approved Property at up to 100% of the Maximum Special Tax A for Approved Property;

Third: If additional monies are needed to satisfy the Special Tax A Requirement after the first two steps has been completed, the Special Tax A shall be levied Proportionately on all Assessor's Parcels of Undeveloped Property up to 100% of the Maximum Special Tax A for Undeveloped Property.

2. Special Tax B

Commencing with Fiscal Year 2022-2023 and for each following Fiscal Year, the Council shall determine the Special Tax B Requirement and shall levy the Special Tax B until the aggregate amount of Special Tax B equals the Special Tax B Requirement.

The Special Tax B shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax B to satisfy the Special Tax B Requirement.

3. Special Tax C (Contingent)

Commencing with the first Fiscal Year in which Special Tax C (Contingent) is authorized to be levied and for each following Fiscal Year, the City Council shall determine the Special Tax C (Contingent) Requirement for each Tax Zone, if any, and shall levy the Special Tax on all Assessor's Parcels of Taxable Property within such Tax Zone until the aggregate amount of Special Tax C (Contingent) equals the Special Tax C (Contingent) Requirement for such Tax Zone. The Special Tax C (Contingent) shall be levied for each Fiscal Year as follows:

First: The Special Tax C (Contingent) shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax C (Contingent) to satisfy the Special Tax C (Contingent) Requirement;

Second: If additional moneys are needed to satisfy the Special Tax C (Contingent) Requirement after the first step has been completed, the Special Tax C (Contingent) shall be levied Proportionately on each Parcel of Approved Property at up to 100% of the Maximum Special Tax C (Contingent) for Approved Property;

Third: If additional monies are needed to satisfy the Special Tax C (Contingent) Requirement after the first two steps has been completed, the Special Tax C (Contingent) shall be levied Proportionately on all Assessor's Parcels of Undeveloped Property up to 100% of the Maximum Special Tax C (Contingent) for Undeveloped Property.

E. FUTURE ANNEXATIONS

It is anticipated that additional properties will be annexed to CFD No. 2022-1 from time to time. As each annexation is proposed, an analysis will be prepared to determine the annual cost for providing Services. Based on this analysis, the property to be annexed, pursuant to California Government Code section 53339 et seq. will be assigned to the appropriate Maximum Special Tax rate for the Tract or Tracts when annexed.

F. TERM OF SPECIAL TAX

For each Fiscal Year, the Special Taxes shall be levied as long as the Services are being provided.

G. EXEMPTIONS

The City shall classify as Exempt Property within CFD No. 2022-1, any Assessor's Parcel in any of the following categories; (i) Assessor's Parcels which are owned by, irrevocably offered for dedication, encumbered by or restricted in use by any public entity; (ii) Assessor's Parcels with public or utility easements making impractical their utilization for other than the purposes set forth in the easement; (iii) Assessor's Parcels which are privately owned but are encumbered by or restricted solely for public uses; or (iv) any Assessor's Parcel which is in use in the performance of a public function as determined by the Administrator. No Special Tax shall be levied on property which, at the time of adoption of the Resolution of Formation for CFD No. 2022-1, is an Exempt Property.

H. APPEALS

Any property owner claiming that the amount or application of the Special Taxes are not correct may file a written notice of appeal with the City not later than twelve months after having paid the first installment of the Special Tax(es) that is disputed. A representative(s) of CFD No. 2022-1 shall promptly review the appeal, and if necessary, meet with the property owner, consider written and oral evidence regarding the amount of the Special Tax, and rule on the appeal. If the representative's decision requires that the Special Tax for an Assessor's Parcel be modified or changed in favor of the property owner, a cash refund shall not be made, but an adjustment shall be made to the Special Tax on that Assessor's Parcel in the subsequent Fiscal Year(s).

I. MANNER OF COLLECTION

The Special Tax(es) shall be collected in the same manner and at the same time as ordinary ad valorem property taxes, provided, however, that CFD No. 2022-1 may collect the Special Tax at a different time or in a different manner if necessary to meet its financial obligations.

APPENDIX A

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)

COST ESTIMATE

Special Tax A Services – The estimate breaks down the costs of providing one year's maintenance services for FY 2024-2025. These services are being funded by the levy of Special Tax A for Community Facilities District No. 2022-1 (Services).

TAX ZONE 11 – SPECIAL TAX A
PM 38646

Item	Description	Estimated Cost
1	Landscaping	$9,553
2	Lighting	$6,216
3	Streets	$17,871
4	Drainage	$1,986
5	Reserves	$2,071
6	Admin	$1,916
Total		**$39,613**

Special Tax B Services – Tax Zone 11 consists of non-residential parcels and therefore will not be subject to the cost of providing Police and Fire Protection services being funded by Special Tax B.

Special Tax C (Contingent) Services – The estimate in the table below breaks down the costs of providing one year's contingent maintenance services for Fiscal Year 2024-25. If necessary, these services will be funded by the levy of Special Tax C (Contingent) for Community Facilities District No. 2022-1 (Services).

TAX ZONE 11 – SPECIAL TAX C (Contingent)
PM 38646

Item	Description	Estimated Cost
1	Landscaping	$3,128
2	Streets	$3,552
3	Drain	$27,752
4	Reserves	$3,443
5	Admin	$1,857
Total		**$39,731**

TAX ZONE 11
PM 38646
FY 2024-2025 MAXIMUM SPECIAL TAX RATES

Taxable Property	Land Use Category	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B	Maximum Special Tax C (Contingent)
Developed Property	Non-Residential	Acre	$1,936	N/A	$1,942
Approved Property	Non-Residential	Acre	$1,936	N/A	$1,942
Undeveloped Property	Non-Residential	Acre	$1,936	N/A	$1,942

MAXIMUM SPECIAL TAXES ASSIGNED TO EACH TAX ZONE
FOR DEVELOPED PROPERTY

Tax Zone	Fiscal Year Included	Tract	No. of Taxable Units	LUC	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B	Maximum Special Tax C (Contingent)	Subdivider
Original	2022-23	TR 36672	136	SFR	RU	$408	$430	$261	Lennar Homes
1	2022-23	PP 13-0089	170	MFR	RU	$203	$305	$0	Villa Siena Property LLC
2	2022-23	TR 37476	77	SFR	RU	$583	$430	$262	KB Home Coastal Inc.
3	To Be Determined								
4	2023-24	PM 37941	9.62	NR	Acre	$4,060	$0	$0	Strata Baxter, LLC and Kaiser Foundation Health Plan, Inc.
5	2023-24	TR 31896	117	SFR	RU	$788	$451.50	$503	D.R. Horton Los Angeles Holding Co.
6	2023-24	LLA 2022-004	89	MFR	RU	$153	$320.25	$0	Wildomar Tres Lagos Partners LP
7	2024-25	TR 36781/36782	191	SFR	RU	$389	$474.08	$53	CRP/CWR Westpark Project, LLC
8	2023-24	LLA 2022-004	88	MFR	RU	$153	$320.25	$0	Palm Communities
9	2023-24	PP 21-0138	1.15	NR	Acre	$2,700	$0	$2,372	DMSD Cajun Properties LLC
10	2023-24	LLA 2020-008	20.20	NR	Acre	$251	$0	$433	Faith Bible Church Murrieta
11	2024-25	PM 38646	20.46	NR	Acre	$1,936	$0	$1,942	White Sable, LLC and Wildomar One, LLC
12	2024-25	PP 20-0044	288	MFR	RU	$133	$336.26	$0	OSR2 R&V Investors, LLC and TMW Oak Springs 2 Del, LLC

ESCALATION OF MAXIMUM SPECIAL TAXES

Maximum Special Tax A - On each July 1, the Maximum Special Tax A for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

Maximum Special Tax B - On each July 1, the Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by five percent (5.0%), whichever is greater.

Maximum Special Tax C (Contingent) - On each July 1, the Maximum Special Tax C (Contingent) for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

EXHIBIT B

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
DESCRIPTION OF AUTHORIZED SERVICES

The services which may be financed with proceeds of the special tax of CFD No. 2022-1, as provided by Section 53313 of the Act, will include all costs attributable to maintaining, servicing, cleaning, repairing and/or replacing landscaped areas (may include reserves for replacement) in public street right-of-ways, public landscaping, public open spaces and other similar landscaped areas officially dedicated for public use. In addition, the services which may include some or all costs attributable to police protection, and fire services. These services including the following:

(a) maintenance and lighting of parks, parkways, streets, roads and open space, which maintenance and lighting services may include, without limitation, furnishing of electrical power to street lights; repair and replacement of damaged or inoperative light bulbs, fixtures and standards; maintenance (including irrigation and replacement) of landscaping vegetation situated on or adjacent to parks, parkways, streets, roads and open space; maintenance and repair of irrigation facilities; maintenance of public signage; graffiti removal from and maintenance and repair of public structures situated on parks, parkways, streets, roads and open space; maintenance and repair of playground or recreation program equipment or facilities situated on any park; and

(b) maintenance and operation of water quality improvements which include storm drainage and flood protection facilities, including, without limitation, drainage inlets, catch basin inserts, infiltration basins, flood control channels, fossil fuel filters, and similar facilities. Maintenance services may include but is not limited to the repair, removal or replacement of all or part of any of the water quality improvements, fossil fuel filters within the public right-of-way including the removal of petroleum hydrocarbons and other pollutants from water runoff, or appurtenant facilities, clearing of inlets and outlets; erosion repairs; and cleanup to improvements, and other items necessary for the maintenance, servicing; or both of the water quality basin improvements within flood control channel improvements; and

(c) public street sweeping, on the segments of the arterials within the boundaries of CFD No. 2022-1; as well as local roads within residential subdivisions located within CFD No. 2022-1; and any portions adjacent to the properties within CFD No. 2022-1; and

(d) police protection services, including but not limited to criminal justice services, and fire protection and suppression services.

In addition to payment of the cost and expense of the forgoing services, proceeds of the special tax may be expended to pay "Administrative Expenses," as said term is defined in the Rate and Method of Apportionment.

The above services shall be limited to those provided within the boundaries of CFD No. 2022-1 or for the benefit of the properties within the boundaries of CFD No. 2022-1, as the boundary is expanded from time to time by anticipated annexations, and said services may be financed by proceeds of the special tax of CFD No. 2022-1 only to the extent that they are in addition to those provided in the territory of CFD No. 2022-1 before CFD No. 2022-1 was created.

EXHIBIT D

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)

PROPOSED BOUNDARIES

PROPOSED ANNEXATION MAP NO. 11

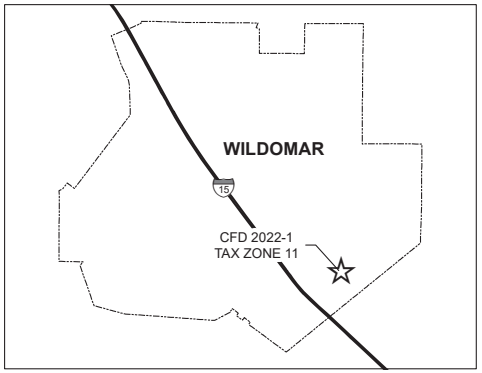
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

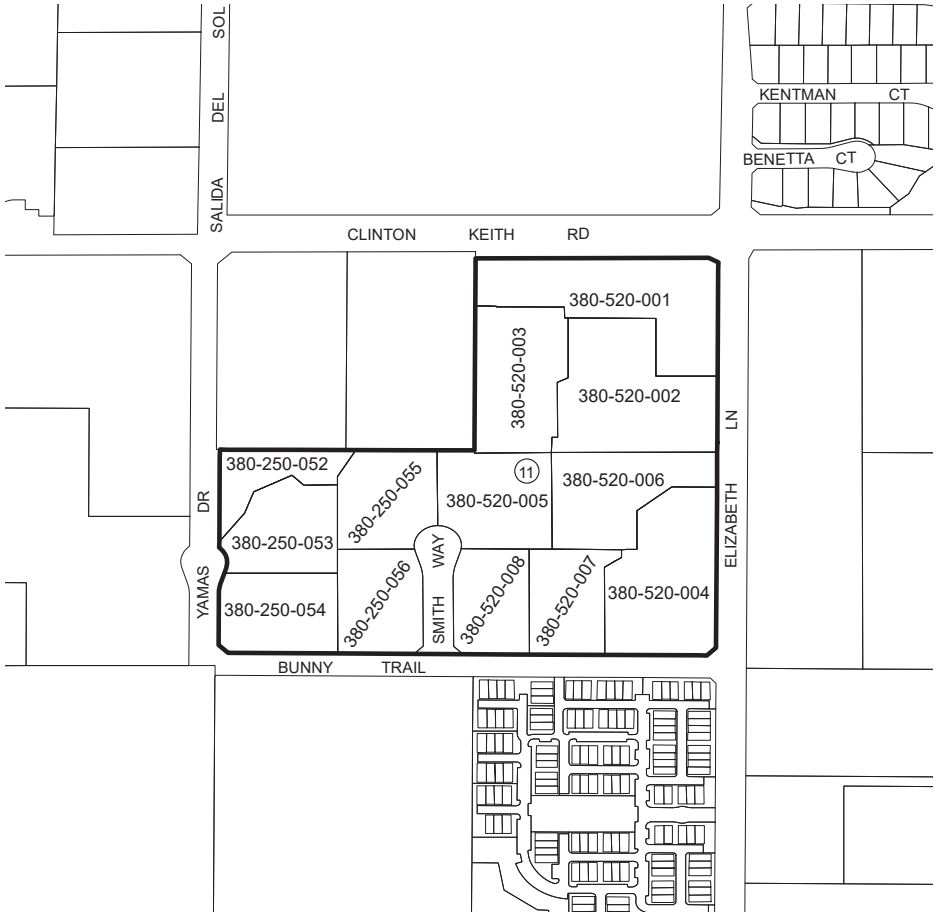
THIS MAP SHOWS THE BOUNDARIES OF AREAS TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

THE BOUNDARIES OF WHICH COMMUNITY FACILITIES DISTRICT ARE SHOWN AND DESCRIBED ON THE MAP THEREOF WHICH WAS PREVIOUSLY RECORDED ON APRIL 19, 2022, IN BOOK 88 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITY DISTRICTS AT PAGE 77 AND AS INSTRUMENT NO. 2022-0183915 IN THE OFFICE OF THE COUNTY RECORDER OF THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

I HEREBY CERTIFY THAT THE WITHIN MAP OR AREAS TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, WAS APPROVED BY THE CITY COUNCIL OF THE CITY OF WILDOMAR AT A REGULAR MEETING THEREOF, HELD ON _____ DAY OF _____, 20___,
BY RESOLUTION NO. _____

_____
CITY CLERK
CITY OF WILDOMAR





RECORDED THIS ____ DAY OF _____, 20____AT THE HOUR OF ____ O'CLOCK __M IN BOOK _____ PAGE _____ OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS IN THE OFFICE OF THE COUNTY RECORDER, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

FEE: _____ NO.: _____
PETER ALDANA, ASSESSOR, COUNTY CLERK, RECORDER

BY: _____
DEPUTY

FILED IN THE OFFICE OF THE CITY CLERK, CITY OF WILDOMAR, THIS ____ DAY OF _____, 20____.

_____
CITY CLERK
CITY OF WILDOMAR

LEGEND

	CITY BOUNDARY
	CFD BOUNDARY
	PARCEL LINE
	CITY BOUNDARY
XXX-XXX-XXX	ASSESSOR PARCEL NUMBER
11	TAX ZONE

THIS ANNEXATION MAP CORRECTLY SHOWS THE LOT OR PARCEL OF LAND INCLUDED WITHIN THE BOUNDARIES OF THE COMMUNITY FACILITIES DISTRICT. FOR DETAILS CONCERNING THE LINES AND DIMENSIONS OF LOTS OR PARCEL REFER TO THE COUNTY ASSESSOR MAPS FOR FISCAL YEAR 2024-25.

SPICER CONSULTING GROUP

N W E S

0 300 600 1,200 Feet

EXHIBIT E

WAIVER AND CONSENT RESPECTING CONDUCT OF MAILED BALLOT, LANDOWNER ELECTION

PETITION TO THE CITY COUNCIL OF THE CITY OF WILDOMAR REQUESTING ANNEXATION OF PROPERTY TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) WITHIN THE CITY OF WILDOMAR AND A WAIVER WITH RESPECTS TO CERTAIN PROCEDURAL MATTERS UNDER THE MELLO-ROOS COMMUNITY FACILITIES ACT OF 1982 AND CONSENTING TO THE LEVY OF SPECIAL TAXES THEREON TO PAY THE COSTS OF SERVICES TO BE PROVIDED BY THE COMMUNITY FACILITIES DISTRICT

1. The undersigned requests that the City Council of the City of Wildomar (the "City"), initiate and conduct proceedings pursuant to the Mello-Roos Community Facilities Act of 1982 (the "Act") (Government Code Section 53311 et seq.), for the annexation of the property described below to Community Facilities District No. 2022-1 (Services) (the "District") and consents to the annual levy of special taxes on such property to pay the costs of services to be provided by Community Facilities District No. 2022-1 (Services).

2. The undersigned requests that the community facilities district provide any services that are permitted under the Act including, but not limited to, all necessary service, operations, administration and maintenance required to keep the landscape lighting, street lighting, flood control facilities, ground cover, shrubs, plants and trees, irrigation systems, graffiti removal, sidewalks and masonry walls, fencing entry monuments, tot lot equipment and associated appurtenant facilities within the district in a healthy, vigorous and satisfactory working condition.

3. The undersigned hereby certifies that as of the date indicated opposite its signature, it is the owner of all the property within the proposed boundaries of the community facilities district described in Exhibit A hereto and as shown on the map Exhibit B hereto.

4. The undersigned requests that a special election be held under the Act to authorize the special taxes for the proposed community facilities district. The undersigned waives any requirement for the mailing of the ballot for the special election and expressly agrees that said election may be conducted by mailed or hand-delivered ballot to be returned as quickly as possible to the designated election official, being the office of the City Clerk and the undersigned request that the results of said election be canvassed and reported to the City Council at the same meeting of the City Council as the public hearing on the annexation of the property to the community facilities district or at the next available meeting.

5. Pursuant to Sections 53326(a) and 53327(b) of the Act, the undersigned expressly waives all applicable waiting periods for the election and waives the requirement for analysis and arguments relating to the special election, and consents to not having such materials provided to the landowner in the ballot packet, and expressly waives any requirements as to the form of the ballot. The undersigned expressly waives all notice requirements relating to hearings and special elections (except for published notices required by the Act), and whether such requirements are found in the California Elections Code, the California Government Code or other laws or procedures, including but not limited to any notice provided for by compliance with the provisions of Section 4101 of the California Elections Code. The undersigned expressly waives the word limit requirement for the bailots pursuant to Sections 13247 and 9051 of the Elections Code.

6. The undersigned hereby acknowledges and agrees that the measure submitted in connection with the special election referred to herein, as set forth in the ballot provided to the undersigned, asked voters whether or not the District should be authorized to levy a special tax in order to finance services (the "Services"), as specified in the Resolution No. 2022-30, adopted by the City Council of the City on June 8,

2022 (the "Resolution of Formation"). The Resolution of Formation described the Services to be financed by the District. The Rate and Method of Apportionment of the Special Tax for the District (the "Rate and Method") is included in the ballot materials provided to the undersigned for the election (the "Ballot"). The Rate and Method contains detailed provisions specifying (i) the type of the Special Tax and the amount or rate of the Special Tax to be levied on each parcel of property in the District, (ii) the duration of the Special Tax (the fiscal year after which the Special Tax will no longer be levied), and (iii) the use of the revenue derived from the Special Tax to pay for the Services. The undersigned, having received and reviewed the Rate and Method and the Ballot will be, at the time it votes on the measure submitted to voters in the Ballot, in possession the type and amount or rate of the Special Tax, the duration of the Special Tax and the use of the revenue derived from the Special Tax, is fully informed with respect thereto and has a thorough understanding thereof.

7. The undersigned hereby consents to and expressly waives any and all claims based on any irregularity, error, mistake or departure from the provisions of the Act or other laws of the State and any and all laws and requirements incorporated therein, and no step or action in any proceeding relative to the annexation of property to the community facilities district of the portion of the incorporated area of the City of Wildomar or the special election therein shall be invalidated or affected by any such irregularity, error mistake or departure.

IN WITNESS WHEREOF, I hereunto set my hand this 16 day of July, 2024.

[NAME OF LANDOWNER]
Wildomar One LLC & Wildomar Sable LLC

By: _____
Name: Michael Avgan
Title: Manager

OWNER'S PROPERTY:

TRACT MAP OR PARCEL MAP NO.
or PROJECT NO. 386446

OWNER'S MAILING ADDRESS:
9471 Irvine Center Drive Ste 100
Irvine CA 92618

_____

FILED IN THE OFFICE OF THE CITY CLERK OF THE CITY COUNCIL OF THE CITY OF WILDOMAR THIS ____ DAY OF _____, 20___.

_____
City Clerk of the City Council of the
City of Wildomar

EXHIBIT F

NOTICE OF PUBLIC HEARING

NOTICE OF PUBLIC HEARING ON RESOLUTION OF INTENTION TO ANNEX TERRITORY TO AN EXISTING COMMUNITY FACILITIES DISTRICT (ANNEXATION NO. 11)

NOTICE IS HEREBY GIVEN that the City Council of the City of Wildomar on October 9, 2024 adopted its Resolution No. 2024-__, in which it declared its intention to annex territory to existing Community Facilities District No. 2022-1 (Services) (the "CFD No. 2022-1"), and to levy a special tax to pay for certain maintenance services, all pursuant to the provisions of the Mello-Roos Community Facilities Act of 1982, Chapter 2.5, Part 1, Division 2, Title 5 of the California Government Code. The resolution describes the territory to be annexed and describes the rate and method of apportionment of the proposed special tax. No change in the tax levied in the existing CFD No. 2022-1 is proposed.

NOTICE IS HEREBY FURTHER GIVEN that the City Council has fixed 6:00 p.m., or as soon thereafter as practicable, Wednesday, November 13, 2024 in the City Council Chambers located at 23873 Clinton Keith Rd., Wildomar, California 92595, as the time and place when and where the City Council will conduct a public hearing on the establishment of CFD No. 2022-1. At the hearing, the testimony of all interest persons for or against the annexation of the territory or the levying of the special taxes will be heard.

DATED: _____, 20___

_____
City Clerk of the City of Wildomar

EXHIBIT G

SPECIAL ELECTION BALLOT

SPECIAL TAX ELECTION
CITY OF WILDOMAR

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 11

(November 13, 2024)

This ballot is for the use of the authorized representative of the following owner of land within Annexation No. 11 of the Community Facilities District No. 2022-1 (Services) ("CFD No. 2022-1") of the City of Wildomar:

Name of Landowner	Number of Acres Owned	Total Votes
White Sable, LLC	17.79	18

According to the provisions of the Mello-Roos Community Facilities Act of 1982, and resolutions of the City Council (the "Council") of the City of Wildomar (the "City"), the above-named landowner is entitled to cast the number of votes shown above under the heading "Total Votes," representing the total votes for the property owned by said landowner. The City has sent the enclosed ballot to you so that you may vote on whether or not to approve the special tax.

This special tax ballot is for the use of the property owner of the parcels identified below, which parcels are located within the territory proposed to be annexed to the CFD No. 2022-1, City of Wildomar, County of Riverside, State of California. Please advise the City Clerk, at (951) 677-7751 x 210 if the name set forth below is incorrect or if you are no longer one of the owners of these parcels. This special tax ballot may be used to express either support for or opposition to the proposed special tax. To be counted, this special tax ballot must be signed below by the owner or, if the owner is not an individual, by an authorized representative of the owner. The ballot must then be delivered to the City Clerk, either by mail or in person, as follows:

Mail Delivery: If by mail, place ballot in the return envelope provided, and mail no later than October 30, 2024, two calendar weeks prior to the date set for the election. Mailing later than this deadline creates the risk that the special tax ballot may not be received in time to be counted.

Personal Delivery: If in person, deliver to the City Clerk at any time up to 6:00 p.m. on November 13, 2024, at the Clerk's office at 23873 Clinton Keith Road, Suite 201 Wildomar, CA 92595.

However delivered, this ballot must be received by the Clerk prior to the close of the public meeting on November 13, 2024.

Very truly yours,

Janet Morales
City Clerk
City of Wildomar

TO CAST THIS BALLOT, PLEASE RETURN THIS ENTIRE PAGE.

OFFICIAL SPECIAL TAX BALLOT

Name & Address of Property Owner:	**Assessor's Parcel Number(s):**
White Sable, LLC Attn: Michael Austin 9471 Irvine Center Drive STE 100 Irvine, CA 92618	380-520-001, -002, -003, -004, -005, -006, -007, -008, 380-250-052, -053, -054, -055, -056

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 11

MARK AN "X" OR OTHER MARK WILL CAST ALL VOTES ASSIGNED TO THIS BALLOT

SPECIAL TAX BALLOT MEASURE

Shall the City Council of the City of Wildomar be authorized to levy a special tax on an annual basis at the rates set forth in the following table:

Land Use Category	Maximum Special Tax A	Maximum Special Tax C (Contingent)
Non-Residential	$1,936	$1,942

plus an annual increase on each July 1, commencing on July 1, 2025 the Maximum Special Tax A and Maximum Special Tax C (Contingent) for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater, to finance certain services within the territory identified on the map entitled "Annexation Map No. 11 of Community Facilities District No. 2022-1 (Services) City of Wildomar" including landscaping, lighting, streets, and drainage for Special Tax A and landscaping, streets and drainage for Special Tax C (Contingent) as provided in the Rate and Method of Apportionment which is attached as Exhibit C to Resolution No. 2024-__ adopted by the City Council of the City of Wildomar on October 9, 2024 (including incidental expenses) and shall an appropriation limit be established for Community Facilities District No. 2022-1 (Services) in the amount of special taxes collected?

MARK "YES" OR "NO" WITH AN "X":

YES _____

NO _____

Certification for Special Election Ballot

The undersigned is an authorized representative of the above-named landowner and is the person legally authorized and entitled to cast this ballot on behalf of the above-named landowner.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____, 20_____.

White Sable, LLC
Michael Austin
Manager

_____
Signature

_____
Print Name

_____
Title

SPECIAL TAX ELECTION
CITY OF WILDOMAR

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 11

(November 13, 2024)

This ballot is for the use of the authorized representative of the following owner of land within Annexation No. 11 of the Community Facilities District No. 2022-1 (Services) ("CFD No. 2022-1") of the City of Wildomar:

Name of Landowner	Number of Acres Owned	Total Votes
Wildomar One, LLC	8.11	9

According to the provisions of the Mello-Roos Community Facilities Act of 1982, and resolutions of the City Council (the "Council") of the City of Wildomar (the "City"), the above-named landowner is entitled to cast the number of votes shown above under the heading "Total Votes," representing the total votes for the property owned by said landowner. The City has sent the enclosed ballot to you so that you may vote on whether or not to approve the special tax.

This special tax ballot is for the use of the property owner of the parcels identified below, which parcels are located within the territory proposed to be annexed to the CFD No. 2022-1, City of Wildomar, County of Riverside, State of California. Please advise the City Clerk, at (951) 677-7751 x 210 if the name set forth below is incorrect or if you are no longer one of the owners of these parcels. This special tax ballot may be used to express either support for or opposition to the proposed special tax. To be counted, this special tax ballot must be signed below by the owner or, if the owner is not an individual, by an authorized representative of the owner. The ballot must then be delivered to the City Clerk, either by mail or in person, as follows:

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Personal Delivery: If in person, deliver to the City Clerk at any time up to 6:00 p.m. on November 13, 2024, at the Clerk's office at 23873 Clinton Keith Road, Suite 201 Wildomar, CA 92595.

However delivered, this ballot must be received by the Clerk prior to the close of the public meeting on November 13, 2024.

Very truly yours,

Janet Morales
City Clerk
City of Wildomar

TO CAST THIS BALLOT, PLEASE RETURN THIS ENTIRE PAGE.

OFFICIAL SPECIAL TAX BALLOT

Name & Address of Property Owner:	**Assessor's Parcel Number(s):**
Wildomar One, LLC Attn: Michael Austin 9471 Irvine Center Drive STE 100 Irvine, CA 92618	380-520-001, -002, -003, -004, -005, -006, -007, -008, 380-250-052, -053, -054, -055, -056

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 11

MARK AN "X" OR OTHER MARK WILL CAST ALL VOTES ASSIGNED TO THIS BALLOT

SPECIAL TAX BALLOT MEASURE

Shall the City Council of the City of Wildomar be authorized to levy a special tax on an annual basis at the rates set forth in the following table:

Land Use Category	Maximum Special Tax A	Maximum Special Tax C (Contingent)
Non-Residential	$1,936	$1,942

plus an annual increase on each July 1, commencing on July 1, 2025 the Maximum Special Tax A and Maximum Special Tax C (Contingent) for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater, to finance certain services within the territory identified on the map entitled "Annexation Map No. 11 of Community Facilities District No. 2022-1 (Services) City of Wildomar" including landscaping, lighting, streets, and drainage for Special Tax A and landscaping, streets and drainage for Special Tax C (Contingent) as provided in the Rate and Method of Apportionment which is attached as Exhibit C to Resolution No. 2024-__ adopted by the City Council of the City of Wildomar on October 9, 2024 (including incidental expenses) and shall an appropriation limit be established for Community Facilities District No. 2022-1 (Services) in the amount of special taxes collected?

MARK "YES" OR "NO" WITH AN "X":

YES _____

NO _____

Certification for Special Election Ballot

The undersigned is an authorized representative of the above-named landowner and is the person legally authorized and entitled to cast this ballot on behalf of the above-named landowner.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____, 20_____.

Wildomar One, LLC
Michael Austin
Manager

_____
Signature

_____
Print Name

_____
Title

PROJECT MAP
CFD NO. 2022-1 (SERVICES)
ANNEXATION NO. 11

SPICER CONSULTING GROUP

CFD MAINTENANCE EXHIBIT

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OFF-SITE STORM DRAIN BOUNDARIES AND LINEAR FEET	05
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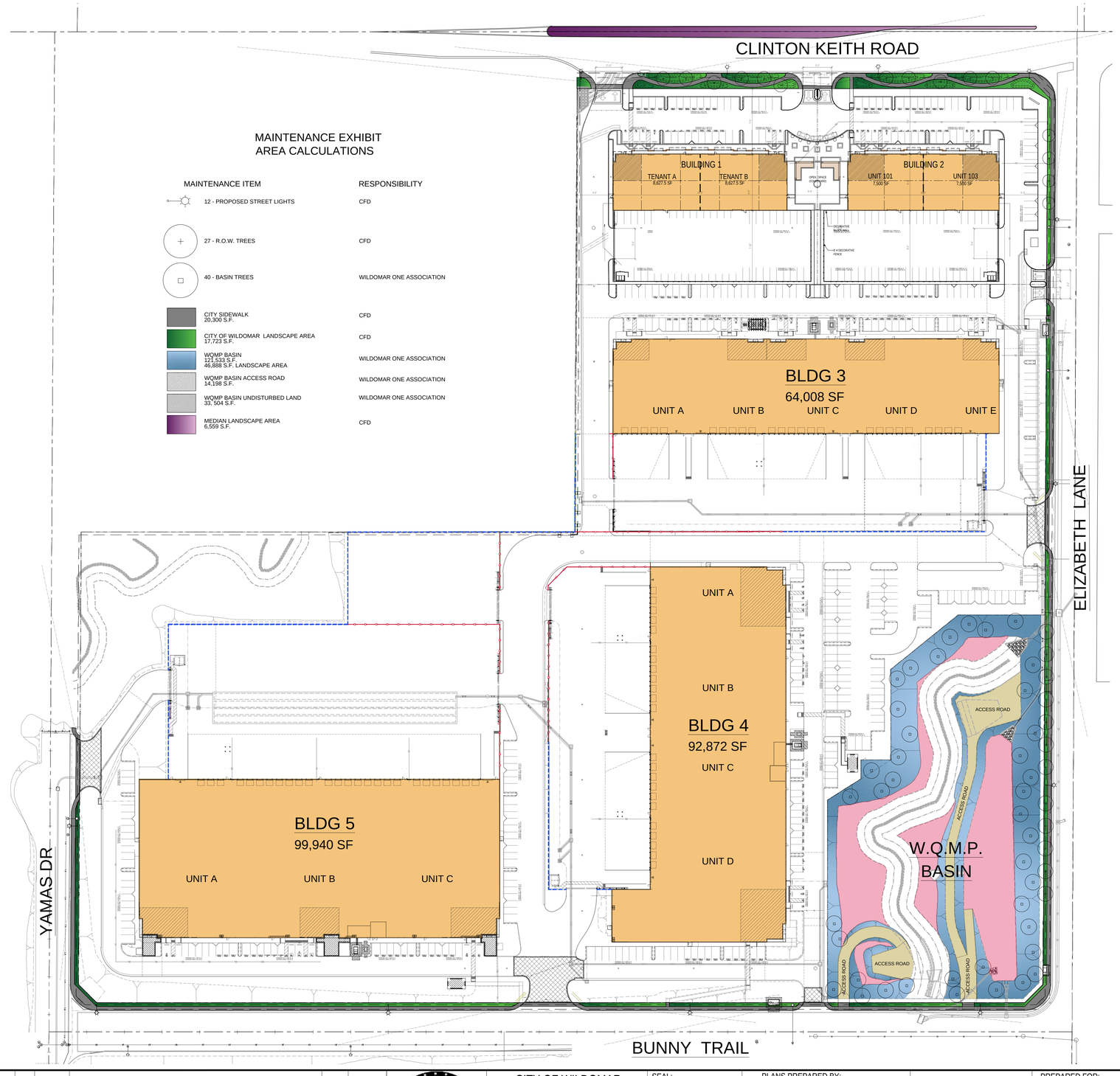


MAINTENANCE EXHIBIT
AREA CALCULATIONS

MAINTENANCE ITEM	RESPONSIBILITY
12 - PROPOSED STREET LIGHTS	CFD
27 - R.O.W. TREES	CFD
40 - BASIN TREES	WILDOMAR ONE ASSOCIATION
CITY SIDEWALK 20,300 S.F.	CFD
CITY OF WILDOMAR LANDSCAPE AREA 17,723 S.F.	CFD
WQMP BASIN 121,533 S.F. 46,888 S.F. LANDSCAPE AREA	WILDOMAR ONE ASSOCIATION
WQMP BASIN ACCESS ROAD 14,198 S.F.	WILDOMAR ONE ASSOCIATION
WQMP BASIN UNDISTURBED LAND 33, 504 S.F.	WILDOMAR ONE ASSOCIATION
MEDIAN LANDSCAPE AREA 6,559 S.F.	CFD

NORTH

0' 35' 70' 140' 210' 280'
SCALE: 1"= 70'-0"

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
PLANNING DEPARTMENT DATE

SEAL: LANDSCAPE ARCHITECT FAUSTO A. REYES LIC. NO. 4175 STATE OF CALIFORNIA
SIGNATURE
09/30/2025
RENEWAL DATE
02/06/2024
DATE

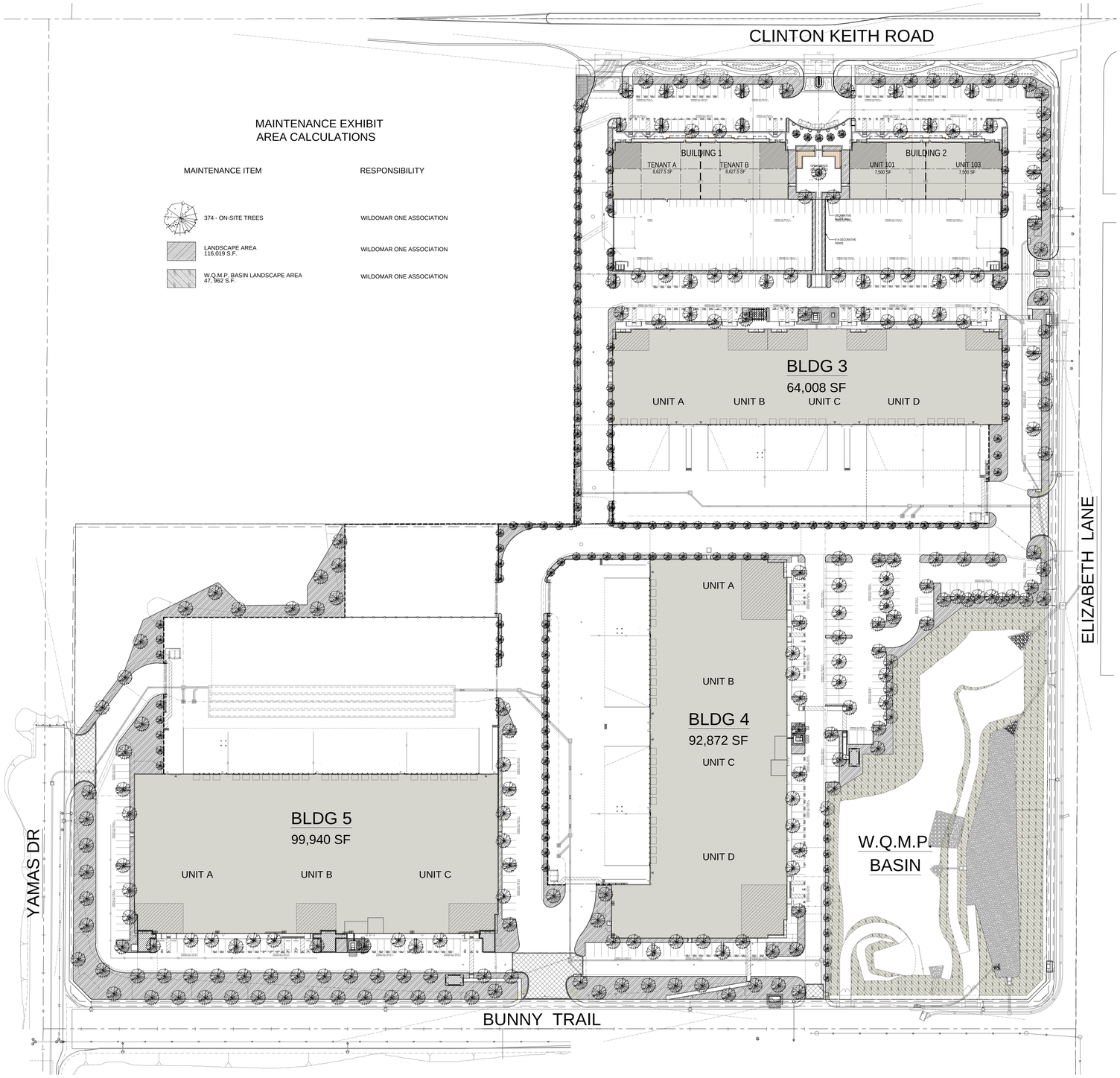
PLANS PREPARED BY:
LANDARQ, INC.
4345 E. LOWELL ST. SUITE M
ONTARIO, CA 91761
FAUSTO A. REYES
CERT NO.4175, EXP 09/2025
PHONE: (909) 259-9428

DESIGNED BY: F.A.R.
DRAWN BY: S.P.
CHECKED BY: F.A.R.
SCALE: AS NOTED

PREPARED FOR:
SUMMIT DEVELOPMENT CORPORATION
190 NEWPORT CENTER DR. STE 220
NEWPORT BEACH, CA 92660
CONTACT: BRYAN BENTROTT
PHONE: (949) 655-8226

CITY OF WILDOMAR
OFF-SITE LANDSCAPE PLANS
Exhibit D – Depiction of the Perimeter Landscaping
WILDOMAR COMMERCE CENTER
CLINTON KEITH ROAD / ELIZABETH LANE

SHEET NO.
1 OF 1 SHT



MAINTENANCE EXHIBIT
AREA CALCULATIONS

MAINTENANCE ITEM	RESPONSIBILITY
374 - ON-SITE TREES	WILDOMAR ONE ASSOCIATION
LANDSCAPE AREA 116,019 S.F.	WILDOMAR ONE ASSOCIATION
W.Q.M.P. BASIN LANDSCAPE AREA 47, 362 S.F.	WILDOMAR ONE ASSOCIATION

NORTH

0' 35' 70' 140' 210' 280'
SCALE: 1"= 70'-0"

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
PLANNING DEPARTMENT DATE

SEAL: LANDSCAPE ARCHITECT FAUSTO A. REYES LIC. NO. 4175 STATE OF CALIFORNIA
SIGNATURE
09/30/2025
RENEWAL DATE
10/06/2024
DATE

PLANS PREPARED BY:
LANDARQ, INC.
4345 E. LOWELL ST. SUITE M
ONTARIO, CA 91761
FAUSTO A. REYES
CERT NO.4175, EXP 09/2025
PHONE: (909) 259-9428

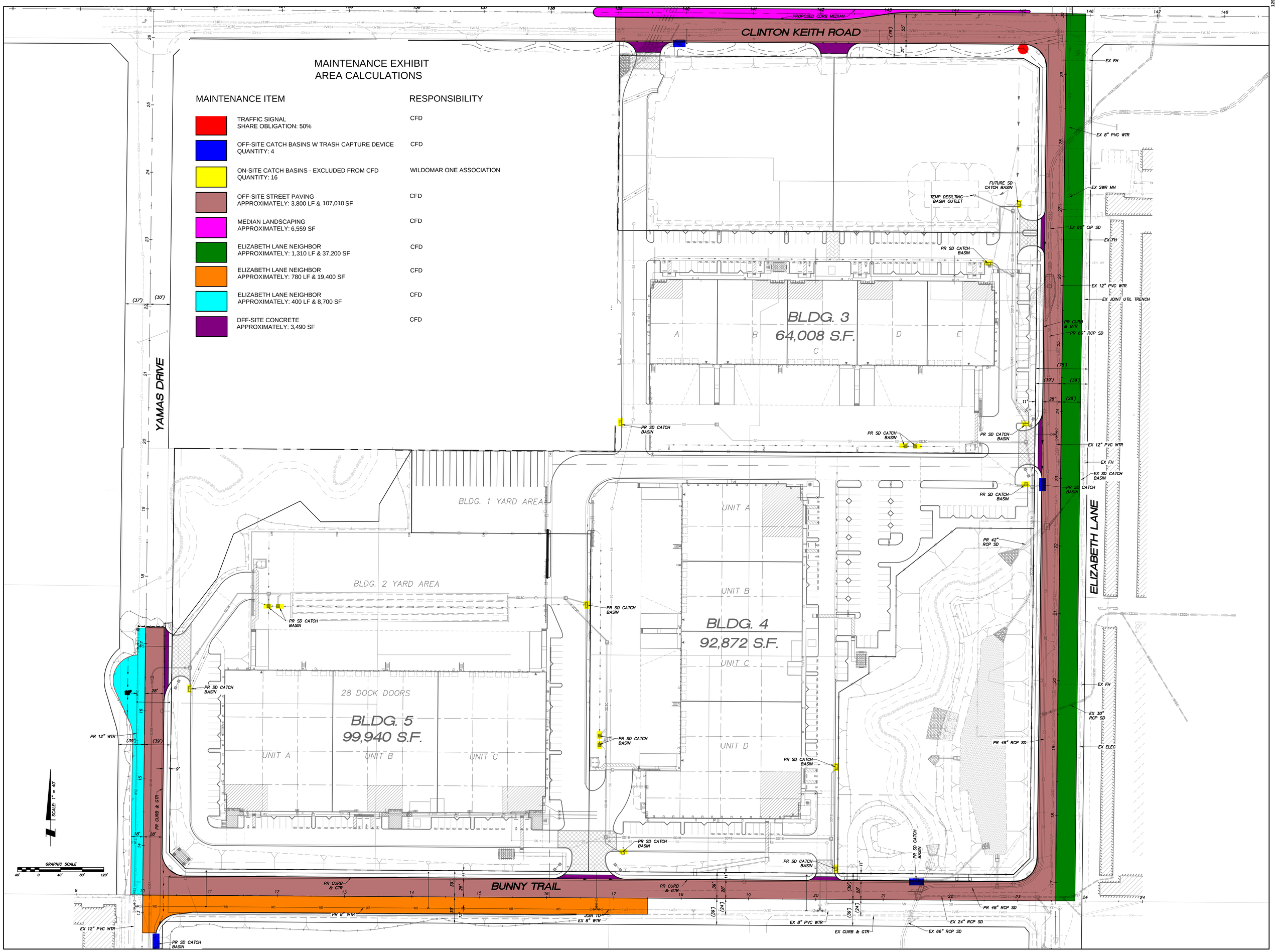
DESIGNED BY: F.A.R.
DRAWN BY: S.P.
CHECKED BY: F.A.R.
SCALE: AS NOTED

PREPARED FOR:
SUMMIT DEVELOPMENT CORPORATION
190 NEWPORT CENTER DR. STE 220
NEWPORT BEACH, CA 92660
CONTACT: BRYAN BENTROTT
PHONE: (949) 655-8226

CITY OF WILDOMAR
ON-SITE LANDSCAPE PLANS
Depiction of HOA Landscaping
WILDOMAR COMMERCE CENTER
CLINTON KEITH ROAD / ELIZABETH LANE

MAINTENANCE EXHIBIT
AREA CALCULATIONS

MAINTENANCE ITEM	RESPONSIBILITY
TRAFFIC SIGNAL SHARE OBLIGATION: 50%	CFD
OFF-SITE CATCH BASINS W TRASH CAPTURE DEVICE QUANTITY: 4	CFD
ON-SITE CATCH BASINS - EXCLUDED FROM CFD QUANTITY: 16	WILDOMAR ONE ASSOCIATION
OFF-SITE STREET PAVING APPROXIMATELY: 3,800 LF & 107,010 SF	CFD
MEDIAN LANDSCAPING APPROXIMATELY: 6,559 SF	CFD
ELIZABETH LANE NEIGHBOR APPROXIMATELY: 1,310 LF & 37,200 SF	CFD
ELIZABETH LANE NEIGHBOR APPROXIMATELY: 780 LF & 19,400 SF	CFD
ELIZABETH LANE NEIGHBOR APPROXIMATELY: 400 LF & 8,700 SF	CFD
OFF-SITE CONCRETE APPROXIMATELY: 3,490 SF	CFD



WILDOMAR COMMERCIAL CENTER

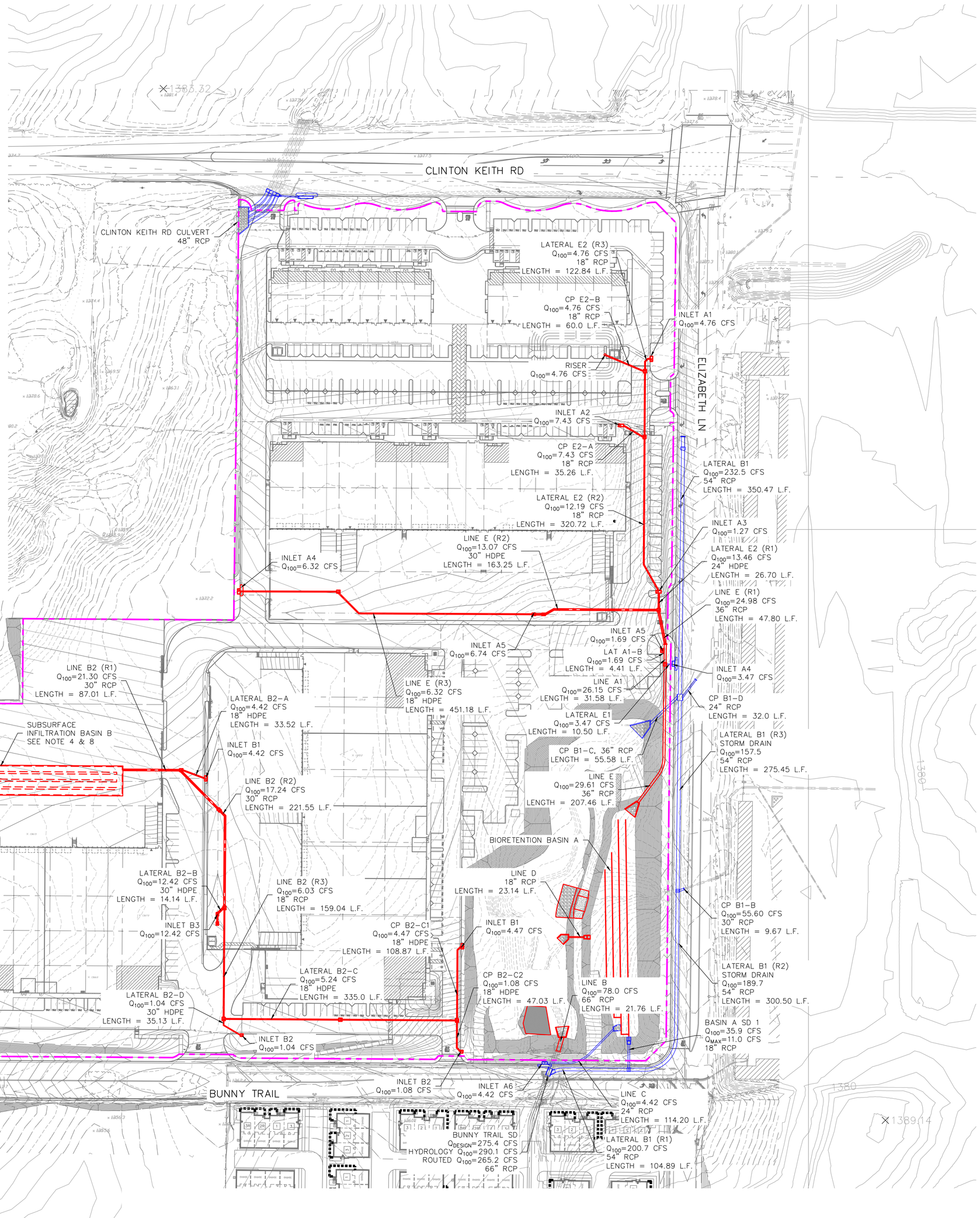
IN THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

CFD AND PRIVATE STORM DRAIN EXHIBIT

LEGEND:

- PROJECT BOUNDARY
- CFD MAINTAINED STORM DRAIN
- PRIVATE MAINTAINED STORM DRAIN

STORM DRAIN SYSTEM	REACH	STORM DRAIN DIAMETER	LENGTH (L.F.)	MAINTENANCE ENTITY
LAT. A1	R1	24" RCP	476.00	CFD
LAT. A1	R2	24" RCP	101.24	CFD
LAT. A1	R3	24" RCP	132.29	CFD
LAT. A1	R4	18" RCP	463.35	CFD
LAT. A1	R5	18" RCP	5.74	CFD
LAT. 2B	R1	18" RCP	5.83	CFD
LAT. B	R1	18" RCP	9.93	CFD
CP A1-C	R1	18" RCP	44.57	CFD
CP A1-C	R2	18" RCP	32.54	CFD
CP A1-C1	R1	18" RCP	34.78	CFD
LAT. A1	R1	18" HDPE	5.74	PRIVATE
LINE A2	R1	18" HDPE	37.61	PRIVATE
LINE A2	R2	18" HDPE	204.70	PRIVATE
LAT. A2-A	R1	30" HDPE	16.50	PRIVATE
LINE B2	R1	30" RCP	87.01	PRIVATE
LINE B2	R2	30" RCP	221.55	PRIVATE
LINE B2	R3	18" RCP	159.04	PRIVATE
LAT. B2-A	R1	18" HDPE	33.52	PRIVATE
LAT. B2-B	R1	30" HDPE	14.14	PRIVATE
LAT. B2-C	R1	18" HDPE	335.0	PRIVATE
LAT. B2-D	R1	30" HDPE	35.13	PRIVATE
CP B2-C1	R1	18" HDPE	108.87	PRIVATE
CP B2-C2	R1	18" HDPE	47.03	PRIVATE



STORM DRAIN SYSTEM	REACH	STORM DRAIN DIAMETER	LENGTH (L.F.)	MAINTENANCE ENTITY
LAT. B1	R1	54" RCP	104.89	CFD
LAT. B1	R2	54" RCP	300.50	CFD
LAT. B1	R3	54" RCP	275.45	CFD
CP B1-B	R1	30" RCP	9.67	CFD
CP B1-C	R1	36" RCP	55.58	CFD
CP B1-D	R1	24" RCP	32.0	CFD
LINE B	R1	66" RCP	21.76	CFD
LINE C	R1	24" RCP	114.20	CFD
LINE D	R1	18" RCP	23.14	PRIVATE
LINE E	R1	36" RCP	207.46	PRIVATE
LAT. E1	R1	18" RCP	10.50	CFD

STORM DRAIN SYSTEM	REACH	STORM DRAIN DIAMETER	LENGTH (L.F.)	MAINTENANCE ENTITY
LAT. A1-B	R1	18" RCP	4.41	PRIVATE
LINE E	R1	36" RCP	47.80	PRIVATE
LINE E	R2	30" HDPE	163.25	PRIVATE
LINE E	R3	18" HDPE	451.18	PRIVATE
LAT. E2	R1	24" HDPE	26.70	PRIVATE
LAT. E2	R2	18" RCP	320.72	PRIVATE
LAT. E2	R3	18" RCP	122.84	PRIVATE
CP E2-A	R1	18" RCP	35.26	PRIVATE
CP E2-B	R1	18" RCP	22.84	PRIVATE
LINE A1	R1	36" RCP	31.58	PRIVATE

SCALE 1"=60'

60 30 0 60 120 180

SCALE: 1"=60'

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A
MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

WCC

CFD AND PRIVATE STORM DRAIN EXHIBIT

Drawing Name: Q:\250\13.22\VN\24-0131\24-0130 CFD-Private SD Exhibit\Exhibit CFD-Private-SD-UPD.dwg
Last Opened: Jan 31, 2024 - 4:43pm by ASUS

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.7
Meeting Date: October 9, 2024

SUBJECT: Designation of Authority for IRS 945 Form Examination for Calendar Year 2021

SUBMITTED BY: Adam Jantz, Finance Manager

PREPARED BY: Adam Jantz, Finance Manager

ACTION:
Adopt the IRS Authorization and Declaration Form 4564 for the Examination of the City's Form 945 for calendar year 2021.

SUMMARY:
Designation of Authority for IRS 945 Form Examination for Calendar Year 2021

BACKGROUND:
On August 26th, the City was notified by the IRS Tax Exempt and Government Entities Division that they will be conducting an examination of the City's Form 945 for calendar year 2021. Form 945 is an annual filing document for non-payroll related federal withholding. The City's examination is scheduled for the end of October 2024.

DISCUSSION:
The Authorization and Declaration Form designates the personnel able to discuss issues with the IRS and execute agreements on behalf of the City.

FISCAL IMPACT:
There is no fiscal impact for this item as acceptance of this form only designates the personnel who can interact with the IRS during the exam.

ATTACHMENTS:
IRS Authorization and Declaration Form

Internal Revenue Service
Federal, State and Local Governments

AUTHORIZATION AND DECLARATION

Examination of Form 945 for 202112

The following individual(s), **authorized employees** of the entity identified below, are hereby authorized to receive from or inspect confidential tax information and discuss tax issues with the Internal Revenue Service on behalf of the taxpayer for all federal tax returns, for the tax periods indicated below:

Taxpayer:	CITY OF WILDOMAR
Taxpayer ID Number:	XXX-XX-1486
Tax Form:	Form 945
Tax Periods:	202112

Name	Title
Dan York	City Manager
Adam Jantz	Finance Manager
Heidi Schrader	Administrative Services Director

The following individual, an authorized employee of the entity identified above, is hereby authorized to execute binding agreements with the Internal Revenue Service on behalf of the entity for all federal tax returns, for the tax forms and periods indicated above:

Name	Title
Dan York	City Manager

Attestation:

Name	Officer's or Executive's Title

Authorized Signature	Date

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.8
Meeting Date: October 9, 2024

SUBJECT: Cooperative Funding Agreement with Elsinore Valley Municipal Water District (EVMWD) for the Design of the Bundy Canyon Rd. Waterline Relocation

SUBMITTED BY: Jason Farag, Public Works Director

PREPARED BY: Jason Farag, Public Works Director

ACTION:
Authorize the City Manager to execute the Cooperative Funding Agreement with Elsinore Valley Municipal Water District (EVMWD) for the Bundy Canyon Rd. Improvement Project, Segment 2

SUMMARY:
Elsinore Valley Municipal Water District (EVMWD) has identified the need to relocate and upgrade their existing waterlines on Bundy Canyon Rd., as part of the City's Bundy Canyon Rd. Improvement Project, Segment 2. The proposed Cooperative Funding Agreement identifies that the City will prepare the design plans for the relocation and EVMWD will reimburse the City for those design expenses.

BACKGROUND:
As part of the utility coordination for the Bundy Canyon Rd. Improvement Project, Segment 2 (Project), Elsinore Valley Municipal Water District (EVMWD) has identified the need to relocate their existing waterlines located within Bundy Canyon Rd. Based on the City's proposed design for the road., in some areas the existing waterlines would be buried by several feet of proposed fill, and in other areas the waterlines would be exposed by cuts. To maintain standard levels of cover over the waterlines and to maintain standard maintenance access, EVMWD requires the waterlines to be relocated as part of the Project to match the proposed roadway realignment. The existing waterlines include one 10" Asbestos Concrete Pipe (ACP) and one 12" PVC. The EVMWD Master Plan identifies a future 20" Ductile Iron Pipe (DIP) along this segment of Bundy Canyon Rd.

DISCUSSION:
The City has prior rights to EVMWD along this segment of Bundy Canyon Rd., so EVMWD is obligated to relocate the waterline at their cost. To reduce any potential impacts to the City's Project schedule, the City has agreed to incorporate the design and construction of the relocation in the City's project, and EVMWD has agreed to reimburse the City for the related expenses. There is increased efficiency in having the City's designer, Parsons, prepare the relocation plans instead of EVMWD hiring a separate designer to prepare their plans. The City's designer can coordinate the design with EVMWD and the City directly to address the needs and concerns of both agencies simultaneously, while ensuring there are no conflicts with other parts of the roadway design that they have already prepared. This reduces costs,

improves efficiency, and also helps to reduce the potential for conflicts that could cause delays and added costs during construction.

A Cooperative Funding Agreement (Agreement) between the City and EVMWD has been prepared for the design of the waterline relocations. The Agreement identifies each agency's obligations and identifies that the City will prepare the design and EVMWD will reimburse the City for incurred costs. A copy of the Agreement is included as Attachment A. A separate agreement will be prepared for the construction of the waterline relocations and will be brought forward when the project moves forward to construction.

On July 10, 2024, the City Council approved a contract amendment with Parsons to approve the waterline relocation design scope of work and approved a budget amendment for the added cost. The total cost for the waterline relocations design is $264,000. Funds for these expenditures will come from Fund 500 (Capital Reinvestments) and will be reimbursed by EVMWD per the proposed Agreement.

Staff recommends that the City Council authorize the City Manager to execute the Cooperative Funding Agreement with EVMWD for the design of their waterline relocations within the Bundy Canyon Rd. Improvement Project, Segment 2.

FISCAL IMPACT:
Funds for design of the EVMWD waterline relocations is already included in the approved budget for CIP 026-2 and will come from Fund 500 (Capital Reinvestments-Formerly Fund 501). There is no impact to the General Fund.

ACCOUNT CODE:
Capital Reinvestment Fund No. 500-4500-52115 Project 026-2 = $264,000

ATTACHMENTS:
A - Cooperative Funding Agreement

COOPERATIVE FUNDING AGREEMENT

BUNDY CANYON ROAD IMPROVEMENT PROJECT, SEGMENT 2

This Cooperative Funding Agreement ("Agreement") is made on this day of _____, 2024 ("Effective Date"), by and between the City of Wildomar a California municipal corporation ("CITY"), and the Elsinore Valley Municipal Water District, a California municipal water district ("EVMWD"), which are collectively referred to herein as "Parties" and individually as "Party."

RECITALS

WHEREAS, the CITY is planning a Capital Improvement Project to provide street widening improvements along Bundy Canyon Road from Oak Canyon Drive to Harvest Way (Street Widening Project), as shown on Exhibit "A" ("Work Area") attached hereto and incorporated herein by reference,; and

WHEREAS, EVMWD has existing water facilities along Bundy Canyon Road within CITY's right-of-way which require relocation and adjustments ("EVWMD Water Facilities Relocation") in conjunction with the Street Widening Project; and

WHEREAS, the CITY and EVMWD determined that it is more economical to include the work of the EVWMD Water Facilities Relocation in the CITY's Street Widening Project("Combined Project"); and

WHEREAS, CITY and EVMWD have determined that it is more economical for CITY to complete the EVWMD Water Facilities Relocation on behalf of EVMWD under the Street Widening Project; and

WHEREAS, the design cost of EVMWD Water Facilities Relocation within the Combined Project is estimated to cost Two Hundred Sixty-Four Thousand Dollars and Zero Cents ($264,000.00) hereinafter known as the "EVMWD CONTRIBUTION"; and

WHEREAS, the CITY and EVMWD acknowledge it is in the best interest of the public to proceed with the construction of the Combined Project at the earliest possible date; and

WHEREAS, the purpose of this Agreement is to memorialize the mutual understandings by and between CITY and EVMWD with respect to funding the design of the EVMWD Water Facilities Relocations; and

NOW, THEREFORE, in consideration of the preceding recitals and the mutual covenants hereinafter contained, the parties hereto mutually agree as follows:

SECTION I

1. Incorporation of Recitals. The recitals above are true and correct and are hereby incorporated herein by this reference.

SECTION II

CITY shall:

1. Manage and oversee the design of the Combined Project to its completion.

2. Award and administer the contracts for the design portion of the relocations of water facilities included in the Combined Project.

3. Keep an accurate accounting of all water facilities relocation design costs and include this final accounting when invoicing EVMWD for payment of the EVMWD Contribution. The final accounting of costs shall include a detailed breakdown of all costs, including but not limited to, payment vouchers and other such contract documents as may be necessary to establish the actual costs of the design of the EVWMD Water Facilities Relocation.

4. Periodically, invoice EVMWD for the portion of the EVMWD CONTRIBUTION then due, including appropriate backup to support each such invoice.

5. Ensure that all work performed pursuant to this Agreement by CITY or its agents is done and compensated in accordance with all applicable laws and regulations, including but not limited to, all applicable provisions of the Labor Code, Business and Professions Code, Public Contracting Code, and Water Code.

6. CITY shall retain all records related to the EVWMD Water Facilities Relocation and this Agreement for a period of three (3) years following completion of the Combined Project. Such records shall be available for inspection by EVMWD upon request.

SECTION III

EVMWD shall:

1. Review and approve EVMWD Water Facilities Relocation plans.

2. Pay CITY within thirty (30) days after receipt of CITY's invoice for EVMWD CONTRIBUTION.

SECTION IV

It is further mutually agreed:

1. EVMWD CONTRIBUTION shall not exceed a total sum of Two Hundred Sixty-Four Thousand Dollars and Zero Cents ($264,000.00) without written amendment to this Agreement and shall be used by CITY solely for the EVMWD Water Facilities Relocation as set forth herein.

2. If EVMWD Water Facilities Relocation requires additional design work not previously contemplated or not included within the approved design scope of work resulting in increased costs, EVMWD CONTRIBUTION shall be amended as necessary to reflect the increased costs, provided that

EVMWD shall have the right to first review and approve in writing any proposed increased designed costs before any such costs are incurred by the City.

3. Costs related to the construction of the EVMWD Water Facilities Relocation will be the subject of a separate Cooperative Funding Agreement and are not a part of this Agreement.

4. EVMWD shall indemnify, defend, save and hold harmless CITY (including their respective directors, officers, elected and appointed officials, employees, agents, representatives, independent contractors and subcontractors) from any liabilities, claim, damage, proceeding or action, present or future, based upon, arising out of or in any way relating to EVMWD'S (including its officers, employees, agents, representatives, independent contractors and subcontractors) actual or alleged acts or omissions related to this Agreement, performance under this Agreement or failure to comply with the requirements of this Agreement, including but not limited to, (a) property damage; or (b) bodily injury or death, and for any costs or expenses incurred by the City on account of any claim, including attorneys' fees.

5. CITY shall indemnify, defend, save and hold harmless EVMWD (including their respective officers, Board of Directors, appointed or elected officials, employees, agents, representatives, independent contractors and subcontractors) from any liabilities, claim, damage, proceeding or action, present or future, based upon, arising out of or in any way relating to City's (including its officers, elected and appointed officials, employees, agents, representatives, independent contractors and subcontractors) actual or alleged acts or omissions related to this Agreement, performance under this Agreement or failure to comply with the requirements of this Agreement, including but not limited to, (a) property damage; or (b) bodily injury or death, and for any costs or expenses incurred by the EVMWD on account of any claim, including attorneys' fees..

6. In the event that any dispute between the Parties arises under this Agreement, the Parties shall first attempt to resolve such dispute at the management level. If the dispute is not resolved at this level within a mutually acceptable period of time (not to exceed 60 calendar days from the date written notice of such dispute is delivered by either Party), the Parties shall attempt to resolve the dispute at the senior management level. If this process and the involvement of senior management do not result in resolution of the dispute within 60 calendar days from the date of referral to upper management, then the dispute shall be referred to and finally resolved through arbitration or legal proceedings. The use of the foregoing procedure is a condition precedent to the commencement of any legal proceedings hereunder.

7. Any Party to this Agreement may declare a breach hereof by serving written notice describing the nature of the breach to the other Party. The Party alleged to have breached the Agreement shall be afforded thirty (30) days from service of the notice of breach to take whatever steps necessary to cure the breach. If the breach is not cured within the time parameters set forth herein, the Parties will avail themselves of the dispute procedure set forth in Section IV, Paragraph 5, above.

8. This Agreement is made and entered into for the sole protection and benefit of the parties hereto. No other person or entity shall have any right or action based upon the provisions of this Agreement.

9. Any and all notices sent or required to be sent to the parties of this Agreement will be mailed by first class mail, postage prepaid, to the following addresses:

CITY OF WILDOMAR 23873 Clinton Keith Road, Ste 210 Wildomar, CA 92595 Attn: City Manager	ELSINORE VALLEY MUNICIPAL WATER DISTRICT 31315 Chaney Street Lake Elsinore, CA 92530 Attn: General Manager

10. If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions will nevertheless continue in full force without being impaired or invalidated in any way.

11. This Agreement is to be construed in accordance with the laws of the State of California.

12. The Parties hereto shall not assign this Agreement without the written consent of the other parties.

13. Any action at law or in equity brought by any of the Parties hereto for the purpose of enforcing a right or rights provided for by the Agreement, shall be tried in a court of competent jurisdiction in the County of Riverside, State of California, and the Parties hereto waive all provisions of law providing for a change of venue in such proceedings to any other county.

14. Any waiver by CITY or EVMWD regarding any breach by the other party of any provision of this Agreement shall not be construed to be a waiver of any subsequent or other breach of the same or any other provision hereof. Failure on the part of CITY or EVMWD to require from the other party exact, full and complete compliance with any of the provisions of this Agreement shall not be construed as in any manner changing the terms hereof, or estopping CITY or EVMWD from enforcing this Agreement.

15. This Agreement is intended by the Parties hereto as a final expression of their understanding with respect to the subject matter hereof and as a complete and exclusive statement of the terms and conditions thereof and supersedes any and all prior and contemporaneous agreements and understandings, oral and written, in connection therewith. This Agreement may be changed or modified only upon the written consent of the Parties hereto.

16. This Agreement may be executed and delivered in any number of counterparts or copies, hereinafter called "COUNTERPART", by the Parties hereto. When each party has signed and delivered at least one COUNTERPART to the other Parties hereto, each COUNTERPART shall be deemed an original and, taken together, shall constitute one and the same Agreement, which shall be binding and effective as to the Parties hereto.

17. The signatories hereto represent that they have been appropriately authorized to execute this Agreement on behalf of the Party for whom they sign.

18. If any lawsuit is commenced to enforce any of the terms of this Agreement, the prevailing Party will have the right to recover its reasonable attorney's fees and costs of suit from the other Party.

19. This Agreement may be terminated by either Party at any time and without cause by giving the other Party written notice of such termination, and specifying the effective date thereof, at least seven (7) days before the effective date of such termination.

20. The Parties hereto hereby agree that electronic signatures are acceptable and shall have the same force and effect as original wet signatures.

21. All rights and obligations hereunder that by their nature are to continue after any expiration or termination of this Agreement, shall survive any such expiration or termination.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date(s) set forth below.

SIGNATURE PAGE TO
COOPERATIVE FUNDING AGREEMENT
BUNDY CANYON ROAD IMPROVEMENT PROJECT, SEGMENT 2

CITY OF WILDOMAR

By _____
Daniel A. York
City Manager

Date: _____

ATTEST:

By _____
Janet Morales, CMC
City Clerk

ELSINORE VALLEY MUNICIPAL WATER DISTRICT

By _____
Greg Thomas
General Manager

Date: _____

ATTEST:

By _____
District Secretary

EXHIBIT A

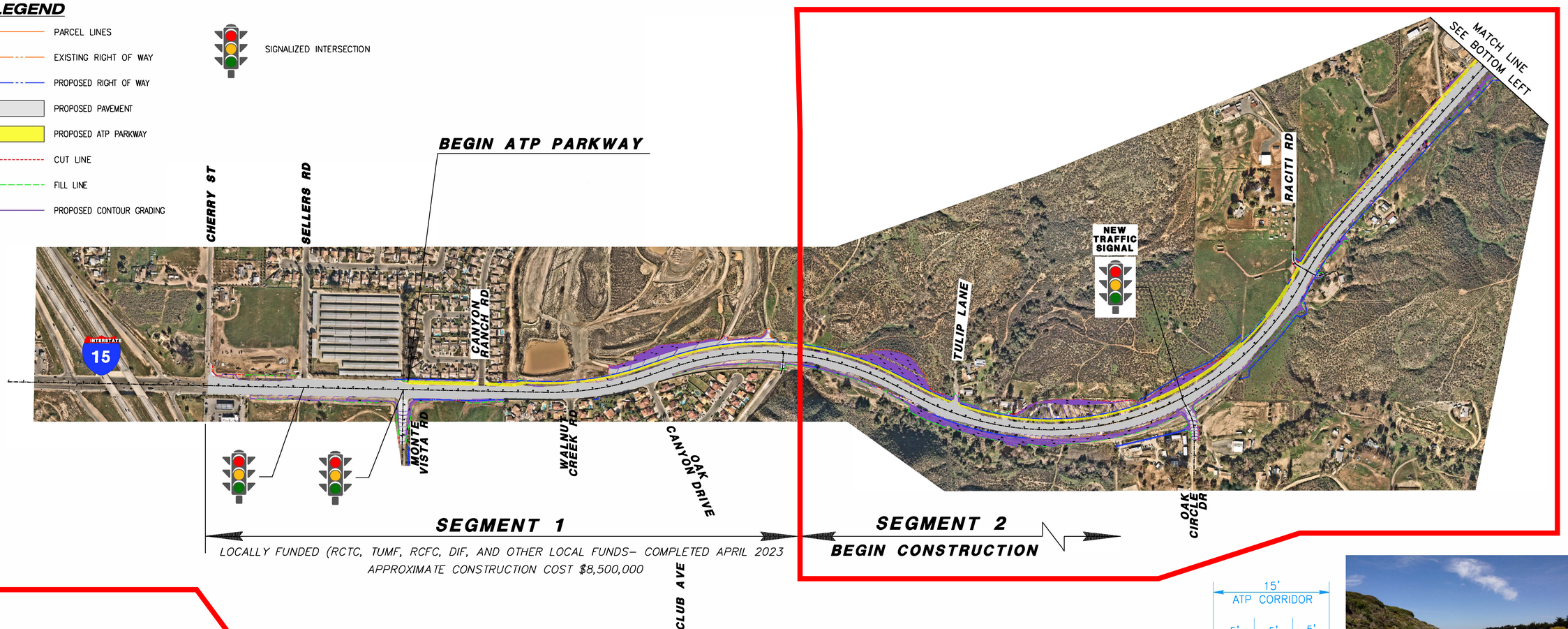
BUNDY CANYON ROAD WIDENING PROJECT

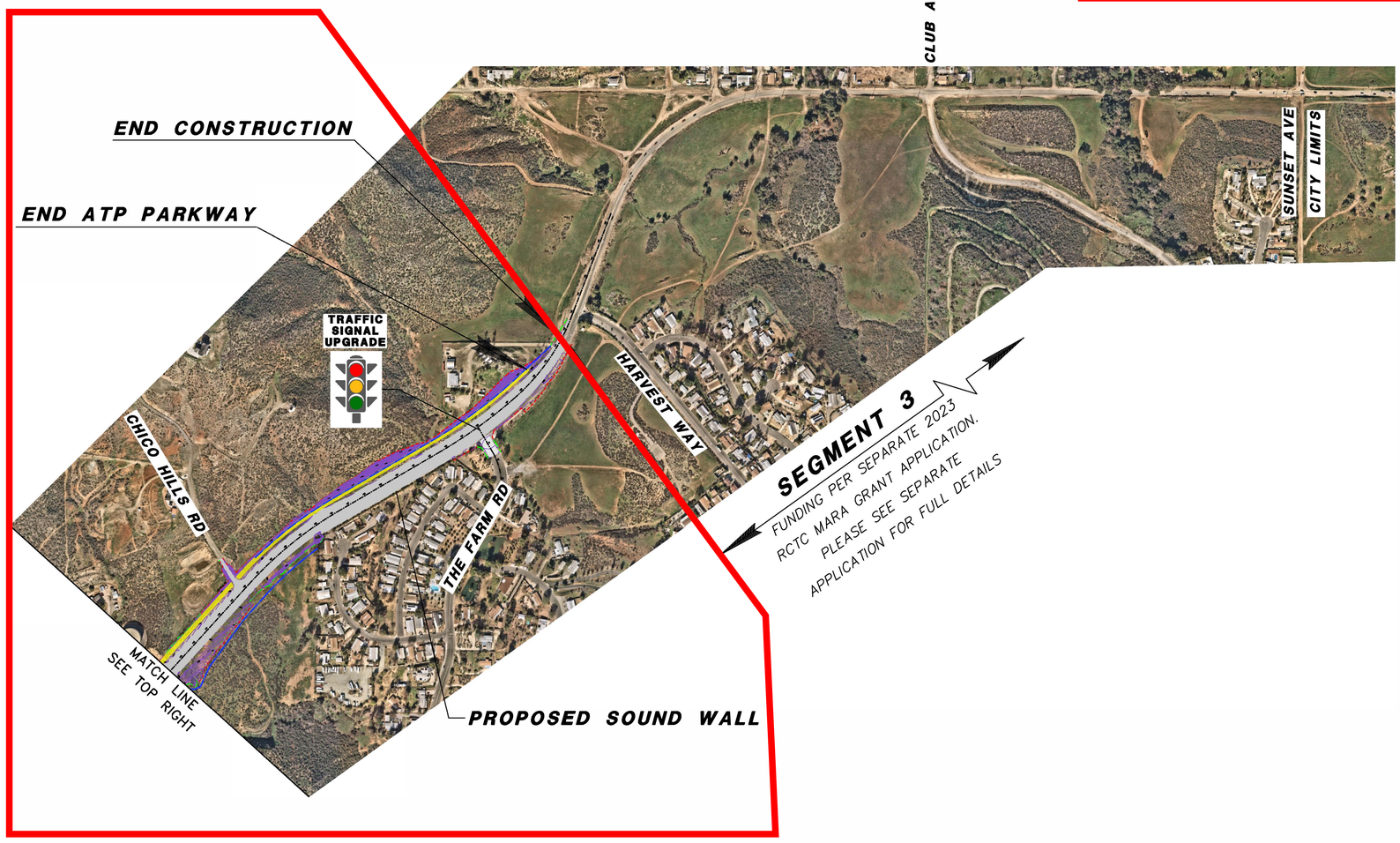
[See Attached]

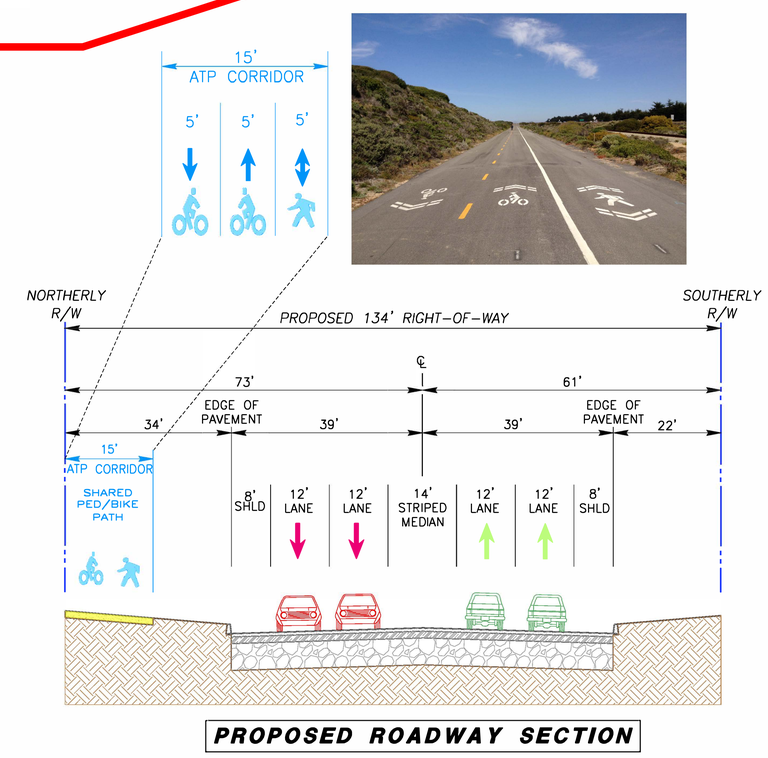
LEGEND

- PARCEL LINES
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED PAVEMENT
- PROPOSED ATP PARKWAY
- CUT LINE
- FILL LINE
- PROPOSED CONTOUR GRADING
- SIGNALIZED INTERSECTION

N







PROPOSED ROADWAY SECTION

BUNDY CANYON ROAD IMPROVEMENT PROJECT

EXHIBIT PREPARED BY:

PARSONS
3200 EAST GUASTI ROAD, SUITE 200
ONTARIO, CA 91761

USER=> p008516 DATE=> 3/16/2023
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EXHIBIT B

COST PROPOSAL

[See Attached]

Proposal

Elsinore Valley Municipal Water District (EVMWD)
Water Line Relocation Design

For

Bundy Canyon Drive Improvements, Segment 2 PS&E Project

Wildomar, CA

Submitted to

Elsinore Valley Municipal Water District

&

City of Wildomar, Public Works Department

Submitted by

June 17, 2024

3200 E. Guasti Road, Suite 100, Ontario, CA 91761
Direct: +1 909.240.8890 / parsons.com

June 17, 2024

Elsinore Valley Municipal Water District
31315 Chaney Street
Lake Elsinore, CA 92530

City of Wildomar
23873 Clinton Keith Road, Suite 201
Wildomar, CA 92595

Attn: Nelson Nuezca, PE, Engineering Manager, EVMWD
Jason Farag, PE, Public Works Director, City of Wildomar

Sub: Proposal for Water Line Relocation Design along Bundy Canyon Drive

Dear Nelson and Jason,

Parsons is pleased to submit this revised proposal addressing the comments received for the underground water line relocation design for your review and trust you will find it responsive to the needs of Elsinore Valley Municipal Water District (EVMWD) and City of Wildomar.

As part of the Bundy Canyon Drive improvement project, it has been identified that the underground existing 10" ACP water line and the 12" PVC water line owned by EVMWD will be impacted by the proposed roadway work.

Based on the utility coordination with EVMWD to notify and discuss the utility impacts it was determined that the existing 10" ACP water line will be required to be relocated approximately between Sta 57+00 to Sta 126+00 and the 12" PVC water line will be required to be relocated approximately between Sta 114+00 to Sta 143+00 within the project limits.

Parsons has provided a brief scope of work and delivery timeline, resumes of key staff to demonstrate proven experience and requisite technical expertise led by Handoyo Suwandhaputra and William (Bill) Lu, and a detailed fee estimate for the waterline relocation design. The existing 10" ACP water line and 12" PVC water line will be relocated approximately between Sta 57+00 to Sta 143+00 within the project limits. Any other waterline relocation is not included in this fee estimate. Parsons will be signing and stamping all plans, specifications, and cost estimates. Our goal is to work closely with EVMWD and City of Wildomar to meet the aggressive schedule for the project without sacrificing technical rigor or cost.

Parsons has estimated a budget of $240,000 for 1600 hours to coordinate and design the relocation of the underground water line as an added scope item. In addition, we have estimated a budget of $24,000 for 160 hours to provide design support during construction phase.

We are grateful for the opportunity to provide our services to EVMWD and look forward to continuing supporting the city on the Bundy Canyon Drive project. Our team is ready to begin work as soon as a Notice to Proceed (NTP) is issued.

Kindly review our proposal and if you have any questions or need additional information, please feel free to contact me at 909.240.8890 or via email at kedar.sawant@parsons.com.

Respectfully,

Kedar Sawant
Principal Project Manager/Ontario Office Manager

SECTION 1

PROJECT UNDERSTANDING

Scope of Work Understanding

The scope of work includes preparation of plans, specifications, and estimate (PS&E) for the relocation of the underground existing 10" ACP water line and the existing 12" PVC water line impacted by the proposed Bundy Canyon Road improvement project. The existing 10" ACP water line is proposed to be relocated approximately between Sta 57+00 (where the existing 20" waterline end) and station 126+00. Similarly, the existing 12" PVC water line is proposed to be relocated approximately between Sta 114+00 to Sta 143+00. The design will include tie-in point to the existing waterline main and lateral. The new relocated waterline pipe size (12" DIP or upsized to 20" DIP) will be determined by EVMWD before NTP.

Utility Pothole Exhibit

Please refer attached Utility Pothole Exhibit prepared by Parsons and description below for positive identification of utility lines for relocation design. Potholing cost is excluded from the subject fee estimate for water line relocation design.

Pothole Symbol	Number of Potholes	Description
	62	Pothole locations required for utility conflicts with proposed roadway improvements such drainage features, lighting, and traffic electrical pole foundations, etc. (excluding water line)
	22	Pothole locations required for existing EVMWD water line utility conflicts with proposed improvements and potholes requested by utility company along existing SCG gas line.
Subtotal	84	
	32	Pothole locations required for potential conflicts along an assumed alignment of relocated EVMWD water line.
	10	Pothole locations required for potential conflicts along an assumed alignment of relocated underground SCE electrical line.
	16	Pothole locations required for potential conflicts along an assumed alignment of relocated SCG gas line.
Subtotal	58	
Total	142	

& 84 potholes are required now to assess any conflicts with proposed design and to perform preliminary engineering of utility line relocations respectively.

58 potholes (number may vary) may be required along the proposed alignment of relocated utility line to assess any conflicts with built features, proposed improvements, and other utility lines to help plan a better staging and relocation for the utility lines.

Design Guidance

Parsons team will perform the water line relocation design in accordance with the EVMWD's 2023 design guidelines including the following:

- Volume 1 Design Standards
- Volume 2 Standard Drawings
- Volume 3 Technical Specifications
- Volume 4.1 Approved Materials List
- Volume 4.2 Design Guidelines

Deliverables

Parsons team will perform the design work utilizing AutoCAD and include the following deliverables:

- 60%, 90% and 100% Design Plans
- Cost estimate
- Technical specifications
- Any nonstandard technical specifications
- Plans in PDF and DWG format.

Contract Advertisement

In consultation with EVMWD and City of Wildomar, Parsons team will assist in preparing the contract advertisement package for the construction of the water line relocation as part of the Bundy Canyon Road improvement, Segment 2, construction contract.

Construction Phase Support

At the approval of EVMWD, Parsons team will assist and provide as-needed design support during the construction phase to address RFIs, prepare change order plans, and prepare as-built plans.

SECTION 2

DELIVERY SCHEDULE

Proposed Project Delivery Schedule

Our proposed project delivery schedule will include standard 3-week review time by EVMWD for each submittal and will include any design and/or review meetings, when necessary.

- From NTP – 3 months to 60% Submittal
- From receiving 60% submittal review – 1 month to 90% submittal
- From receiving 90% submittal review – 1 month to 100% submittal.

SECTION 3

PROPOSED STAFF RESUMES

Team Composition

Our team is comprised of the following highly experienced key staff. Please refer attached resumes for detailed qualifications and proven experience. They will be supported by Yosuke Arai, PE, Moses Olivarez, and Abin Thomas, EIT, who continue to assist with the Utility Coordination including the water line relocation.

- William (Bill) Lu, PE
- Handoyo Suwandhaputra, PE, QSD, LEED AP
- Ike Chung, PE, QSD
- Catherine Mireles

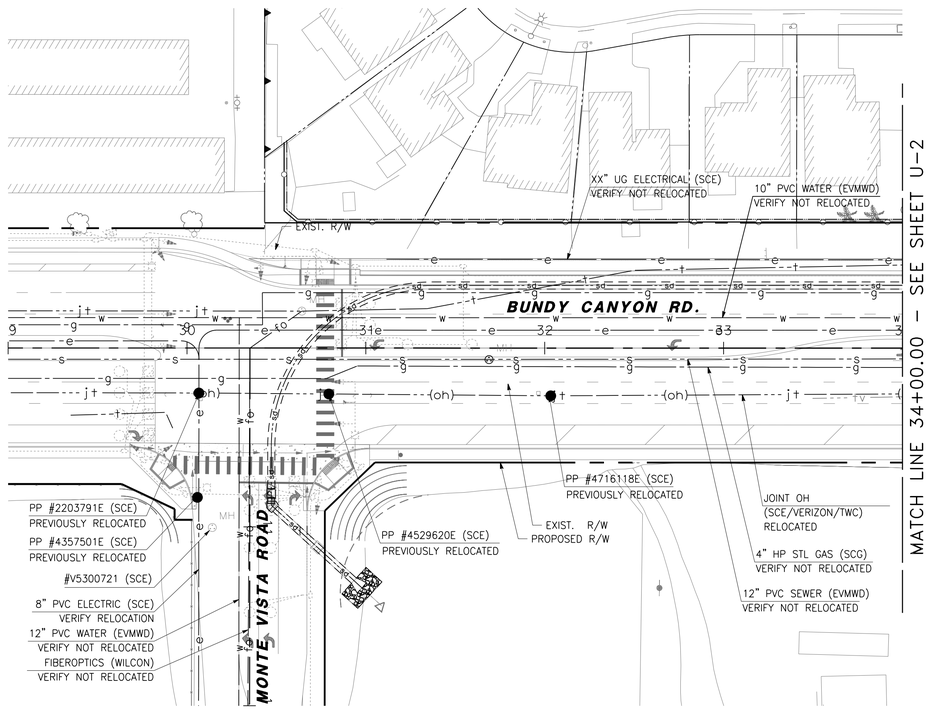
SECTION 4

COST PROPOSAL

Our cost proposal with billing rates for the water line relocation design task is as shown in the table below.

LABOR HOURS AND COSTS							
	Staff - Project Role					TOTAL	LOADED
TASK DESCRIPTION	PROJECT MANAGER	TECHNICAL LEAD	SENIOR ENGINEER	ASSOCIATE ENGINEER	CAD SUPPORT	LABOR	LABOR
	$240.00	$240.00	$205.00	$130.00	$115.00	HOURS	COSTS
Waterline Relocation Design	40	60	400	500	600	1600	$ 240,000.00
Waterline Relocation Construction Support	8	8	32	48	64	160	$ 24,000.00
TOTAL LABOR HOURS AND COST	**48**	**68**	**432**	**548**	**664**	**1760**	**$ 264,000.00**

Also, please refer the attached sheet estimate for the subject task.



UTILITY LEGEND

—g——g—	EXISTING GAS LINE
—w——w—	EXISTING WATER LINE
—s——s—	EXISTING SEWER LINE
—e——e—	EXISTING ELECTRICAL LINE
—t——t—	EXISTING TELECOMMUNICATIONS LINE
—fo——fo—	EXISTING FIBEROPTIC LINE
—jt——jt—	EXISTING JOINT TRENCH LINES
—jt——(oh)—	EXISTING JOINT OVERHEAD LINES
—tv——tv—	EXISTING CABLE LINE
—sd——sd—	EXISTING STORM DRAIN

UTILITY OWNERS

SCE	SOUTHERN CALIFORNIA EDISON
SCG	SOUTHERN CALIFORNIA GAS (SEMPRA UTILITIES)
TWC	TIME WARNER CABLE
EVMWD	ELSINORE VALLEY MUNICIPAL WATER DISTRICT
FWMC	FARM WATER MUTUAL DISTRICT
WILCON	WILCON FIBER OPTICS
VERIZON	VERIZON COMMUNICATIONS
FRONTIER	FRONTIER COMMUNICATIONS

ABBREVIATIONS

PP	POWER POLE
UG	UNDERGROUND
STL	STREET LIGHT
OH	OVERHEAD
FO	FIBER OPTIC
MH	MANHOLE
EMH	ELECTRICAL MANHOLE
JT	JOINT TRENCH
SD	STORM DRAIN

40 0 40 80
1"=40'

100% SUBMITTAL- FOR PLAN CHECK PURPOSES ONLY

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

The private engineer signing these plans is responsible for assuring the accuracy and acceptability of the design hereon. In the event of discrepancies arising after city acceptance or during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for acceptance by the city.

MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date:
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER
No.
CIVIL
STATE OF CALIFORNIA

PARSONS
PHONE: (909) 218-3600 FAX: (909) 218-3605
3200 GUASTI ROAD, SUITE 200
ONTARIO, CA 91761
PREPARED BY:
R.C.E. No. EXP.

BENCHMARK:
Elevation = 1345.285
Datum = 1970 NGVD 29
BENCHMARK # E-7-70
THIS SURVEY WAS PERFORMED ON (date) BY RIVERSIDE COUNTY SURVEYOR'S OFFICE
L.S. (number), EXP. (date)
SCALE:
H: As Noted V: As Noted

CITY OF WILDOMAR
BUNDY CANYON ROAD IMPROVEMENT PROJECT
EXISTING UTILITY COMPOSITE PLAN

SHEET No.
OF
U-1

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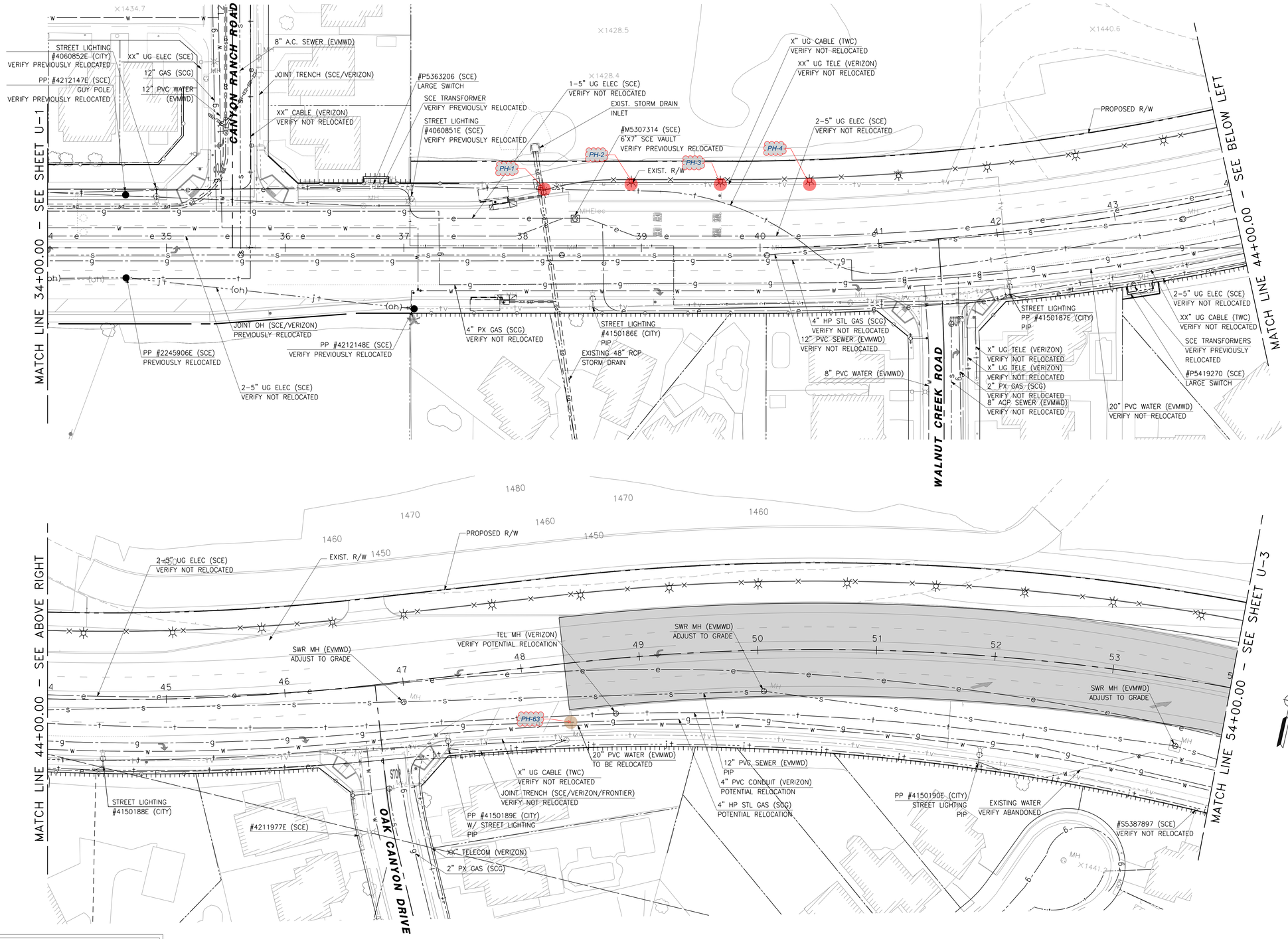
DESIGNED BY: PARSONS CHECKED BY: HENG CHOW

NOT FOR CONSTRUCTION

100% SUBMITTAL- FOR PLAN CHECK PURPOSES ONLY



UTILITY LEGEND

—g—	EXISTING GAS LINE
—w—	EXISTING WATER LINE
—s—	EXISTING SEWER LINE
—e—	EXISTING ELECTRICAL LINE
—t—	EXISTING TELECOMMUNICATIONS LINE
—fo—	EXISTING FIBEROPTIC LINE
—jt—	EXISTING JOINT TRENCH LINES
—jt—(oh)—	EXISTING JOINT OVERHEAD LINES
—tv—	EXISTING CABLE LINE
—sd—	EXISTING STORM DRAIN

UTILITY OWNERS

SCE	SOUTHERN CALIFORNIA EDISON
SCG	SOUTHERN CALIFORNIA GAS (SEMPRA UTILITIES)
TWC	TIME WARNER CABLE
EVMWD	ELSINORE VALLEY MUNICIPAL WATER DISTRICT
FWMC	FARM WATER MUTUAL DISTRICT
WILCON	WILCON FIBER OPTICS
VERIZON	VERIZON COMMUNICATIONS
FRONTIER	FRONTIER COMMUNICATIONS

40 0 40 80
1"=40'

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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The private engineer signing these plans is responsible for assuring the accuracy and acceptability of the design hereon. In the event of discrepancies arising after city acceptance or during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for acceptance by the city.

MARK	BY	DATE	REVISIONS	APPR.	DATE

ENGINEER | CITY

CITY OF WILDOMAR
ACCEPTED BY:
Date:
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER No. CIVIL STATE OF CALIFORNIA

PARSONS
PHONE: (909) 218-3600 FAX: (909) 218-3605
3200 GUASTI ROAD, SUITE 200
ONTARIO, CA 91761
PREPARED BY:
R.C.E. No. EXP.

BENCHMARK:
Elevation = 1345.285
Datum = 1970 NGVD 29
BENCHMARK # E-7-70
THIS SURVEY WAS PERFORMED ON (date) BY RIVERSIDE COUNTY SURVEYOR'S OFFICE
L.S. (number), EXP. (date)
SCALE: H: As Noted V: As Noted

CITY OF WILDOMAR
BUNDY CANYON ROAD IMPROVEMENT PROJECT
EXISTING UTILITY COMPOSITE PLAN

SHEET No. U-2 OF

DESIGNED BY: PARSONS CHECKED BY: HENG CHOW

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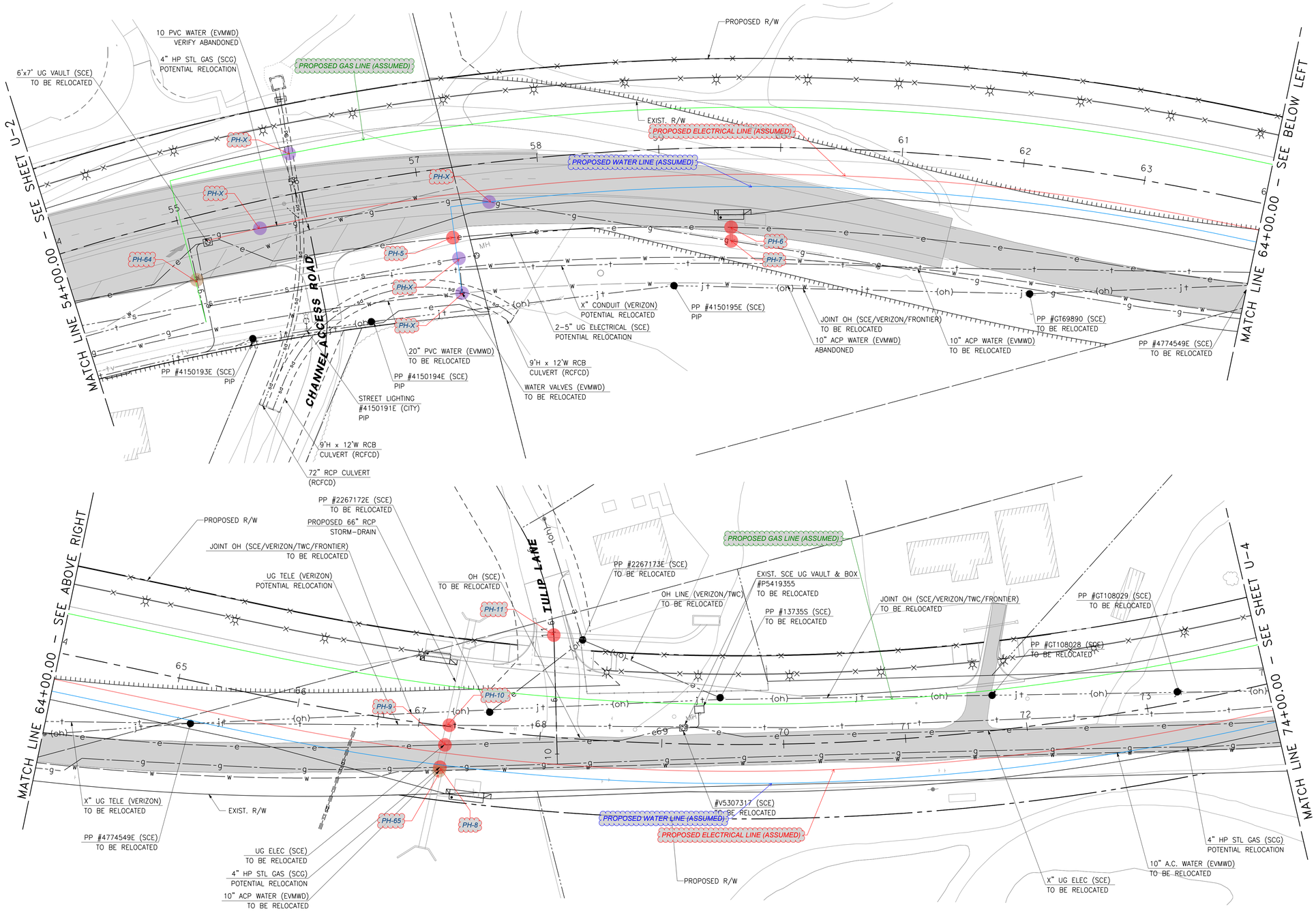

UTILITY LEGEND

—g— —g—	EXISTING GAS LINE
—w— —w—	EXISTING WATER LINE
--s-- --s--	EXISTING SEWER LINE
—e— —e—	EXISTING ELECTRICAL LINE
--t-- --t--	EXISTING TELECOMMUNICATIONS LINE
—fo— —fo—	EXISTING FIBEROPTIC LINE
--jt-- --jt--	EXISTING JOINT TRENCH LINES
--jt-- --(oh)--	EXISTING JOINT OVERHEAD LINES
--tv-- --tv--	EXISTING CABLE LINE
--sd-- --sd--	EXISTING STORM DRAIN

UTILITY OWNERS

SCE	SOUTHERN CALIFORNIA EDISON
SCG	SOUTHERN CALIFORNIA GAS (SEMPRA UTILITIES)
TWC	TIME WARNER CABLE
EVMWD	ELSINORE VALLEY MUNICIPAL WATER DISTRICT
FWMC	FARM WATER MUTUAL DISTRICT
WILCON	WILCON FIBER OPTICS
VERIZON	VERIZON COMMUNICATIONS
FRONTIER	FRONTIER COMMUNICATIONS

40 0 40 80
1"=40'

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date:
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER
No.
CIVIL
STATE OF CALIFORNIA

PARSONS
PHONE: (909) 218-3600 FAX: (909) 218-3605
3200 GUASTI ROAD, SUITE 200
ONTARIO, CA 91761
PREPARED BY:
R.C.E. No. EXP.

BENCHMARK:
Elevation = 1345.285
Datum = 1970 NGVD 29
BENCHMARK # E-7-70
THIS SURVEY WAS PERFORMED ON (date) BY RIVERSIDE COUNTY SURVEYOR'S OFFICE
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CITY OF WILDOMAR
BUNDY CANYON ROAD IMPROVEMENT PROJECT
EXISTING UTILITY COMPOSITE PLAN

SHEET No. 65 OF
U-3

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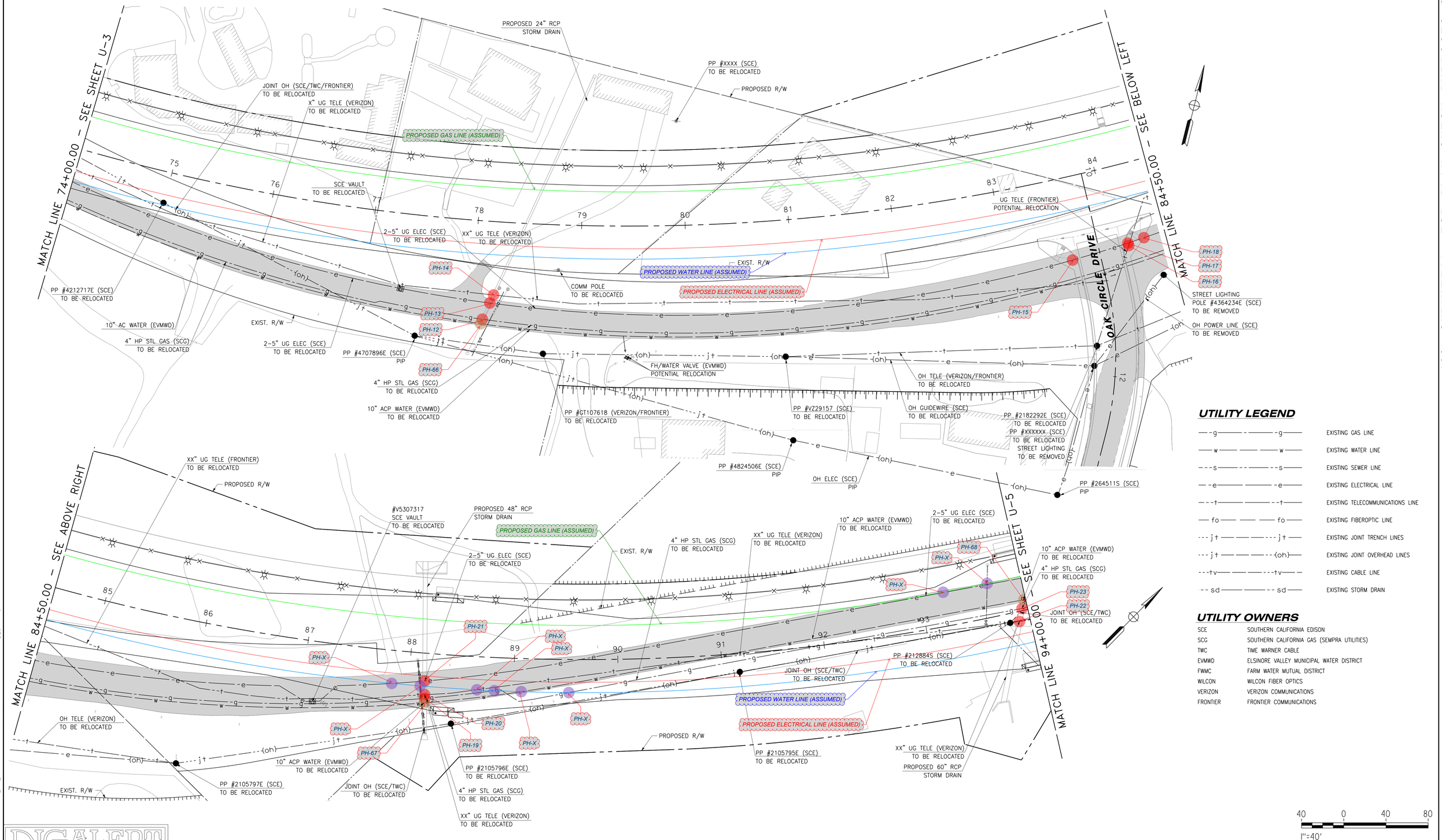

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—w— —w—	EXISTING WATER LINE
—s— —s—	EXISTING SEWER LINE
—e— —e—	EXISTING ELECTRICAL LINE
—t— —t—	EXISTING TELECOMMUNICATIONS LINE
—fo— —fo—	EXISTING FIBEROPTIC LINE
—jt— —jt—	EXISTING JOINT TRENCH LINES
—jt—(oh)—	EXISTING JOINT OVERHEAD LINES
—tv— —tv—	EXISTING CABLE LINE
—sd— —sd—	EXISTING STORM DRAIN

UTILITY OWNERS

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CITY OF WILDOMAR
BUNDY CANYON ROAD IMPROVEMENT PROJECT

EXISTING UTILITY COMPOSITE PLAN

SHEET No. 66 OF
U-4

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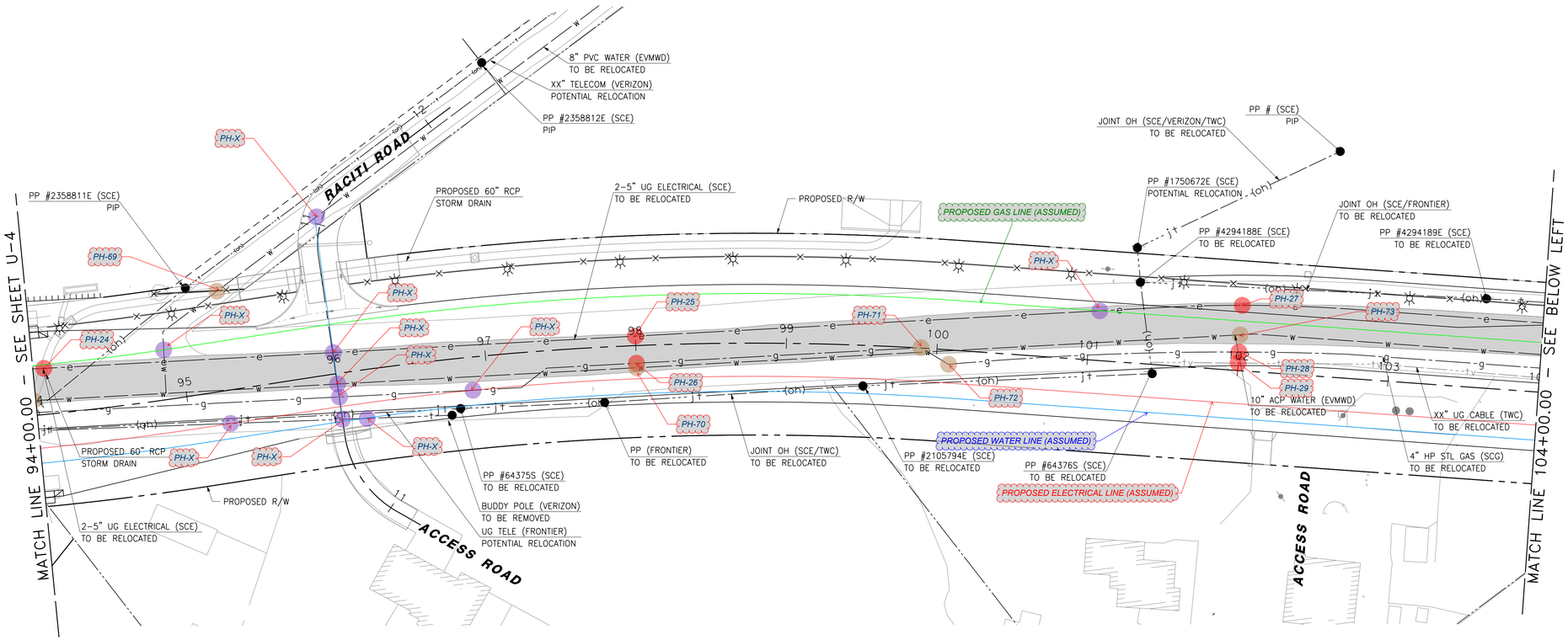

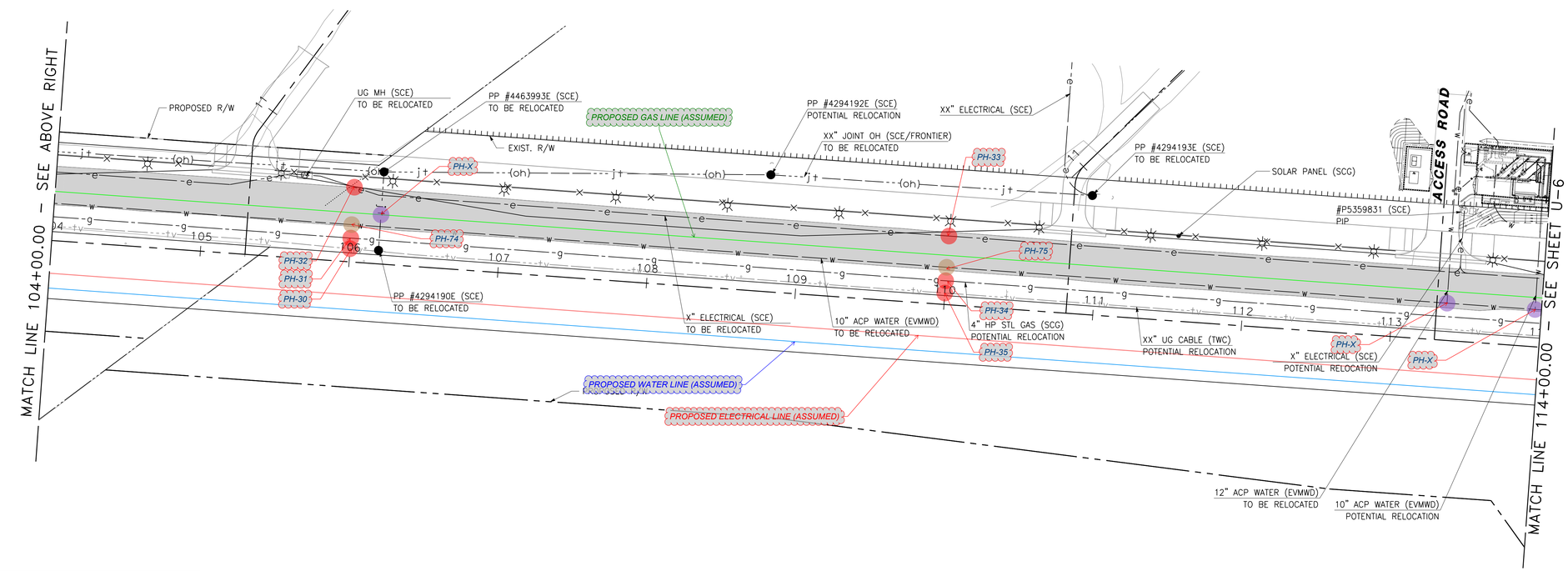

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—s——s—	EXISTING SEWER LINE
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—t——t—	EXISTING TELECOMMUNICATIONS LINE
—fo——fo—	EXISTING FIBEROPTIC LINE
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—tv——tv—	EXISTING CABLE LINE

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CITY OF WILDOMAR
BUNDY CANYON ROAD IMPROVEMENT PROJECT
EXISTING UTILITY COMPOSITE PLAN

SHEET No. 67 OF
U-5

DESIGNED BY: PARSONS CHECKED BY: HENG CHOW

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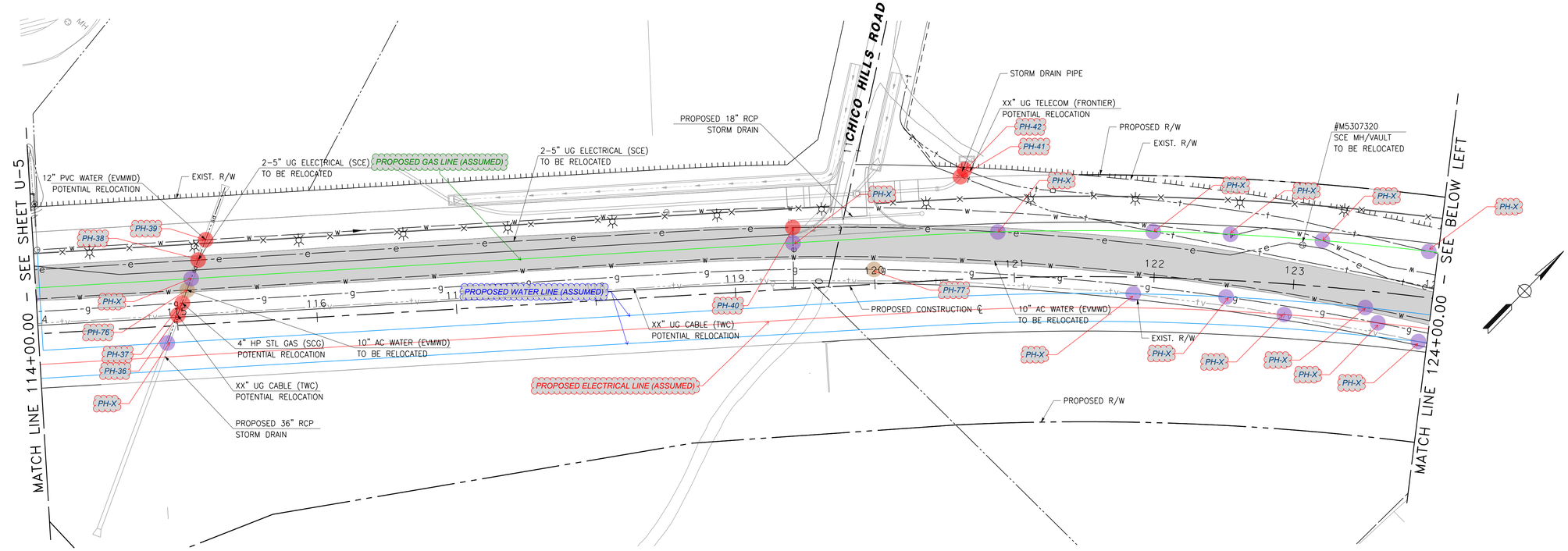

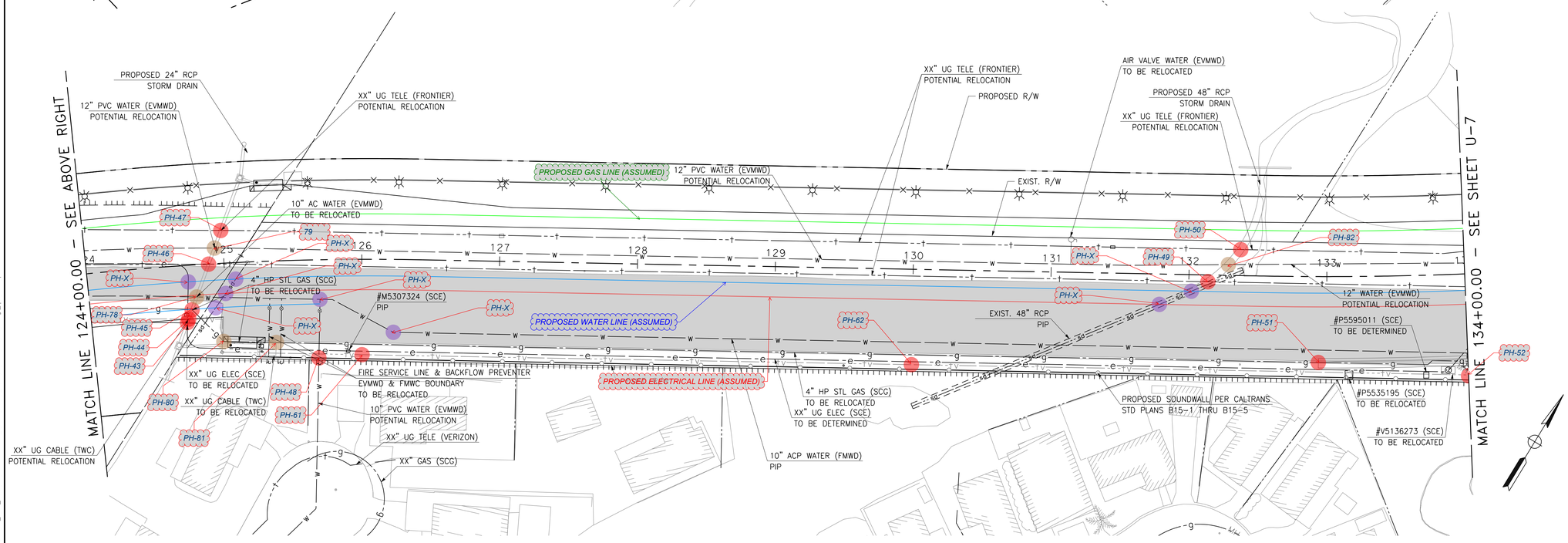

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SHEET No. 68 OF
U-6

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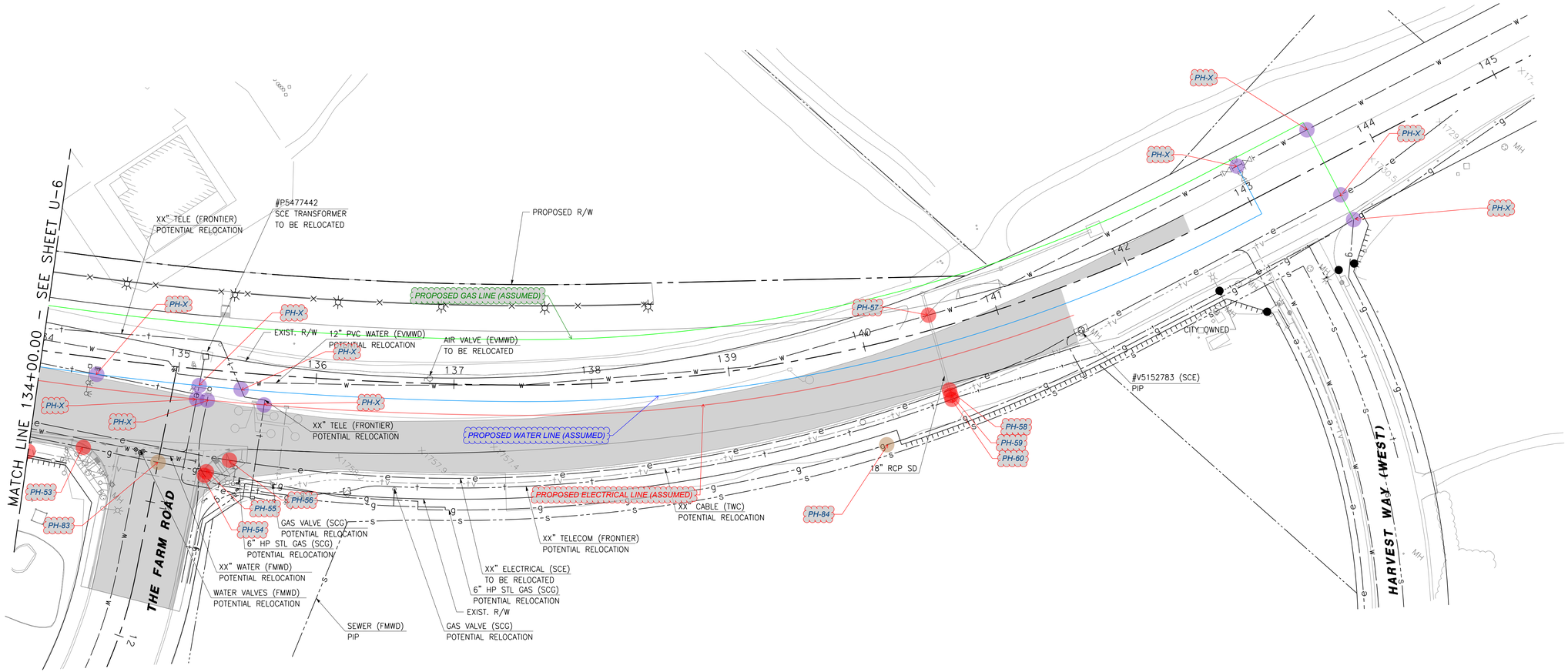

UTILITY LEGEND

—-g———-———-g———	EXISTING GAS LINE
——w——— ——— ———w———	EXISTING WATER LINE
---s———--———--s———	EXISTING SEWER LINE
—-e——— ———-e———	EXISTING ELECTRICAL LINE
---t——— ———--t———	EXISTING TELECOMMUNICATIONS LINE
—— fo——— ——— ——— fo———	EXISTING FIBEROPTIC LINE
---jt——— ——— ———---jt———	EXISTING JOINT TRENCH LINES
---jt——— ——— ———--(oh)———	EXISTING JOINT OVERHEAD LINES
---tv——— ——— ———---tv———	EXISTING CABLE LINE
--sd——— ———--sd———	EXISTING STORM DRAIN

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CITY OF WILDOMAR
BUNDY CANYON ROAD IMPROVEMENT PROJECT
EXISTING UTILITY COMPOSITE PLAN

SHEET No. 69 OF
U-7

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TIME=> 2:54:14 PM PEN TABLE=> CT_BW_XM.tbl PLOT DRIVER=> I-10 cherry_pdf .plt
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FILE PATH=>c:\pw_working\california\p002707d\d0345875\v684410ka-kc007.dgn

SECTION 2

DELIVERY SCHEDULE

Proposed Project Delivery Schedule

Our proposed project delivery schedule will include standard 3-week review time by EVMWD for each submittal and will include any design and/or review meetings, when necessary.

- From NTP – 3 months to 60% Submittal
- From receiving 60% submittal review – 1 month to 90% submittal
- From receiving 90% submittal review – 1 month to 100% submittal.

SECTION 3

PROPOSED STAFF RESUMES

Team Composition

Our team is comprised of the following highly experienced key staff. Please refer attached resumes for detailed qualifications and proven experience. They will be supported by Moses Olivarez is performing Utility Coordination.

- William (Bill) Lu, PE
- Handoyo Suwandhaputra, PE, QSD, LEED AP
- Ike Chung, PE, QSD
- Catherine Mireles

WILLIAM (BILL) LU, PE

PROGRAM DIRECTOR

William (Bill) Lu has extensive experience in water and wastewater engineering with primary involvement in facility planning, engineering studies, design, and construction management of water and wastewater pipelines, pumping stations, and treatment plants. The breadth of his experience includes water treatment plants up to 540 million gallons per day, wastewater treatment plants up to 350 million gallons per day, and more than 50 miles of pipelines, 25 pumping stations, 30 reservoirs, and 10 groundwater production wells.

Bill's projects have received recognition and engineering awards from the American Society of Civil Engineers and the Consulting Engineers and Land Surveyors of California.

Firm
Parsons

Years of Experience
Total: 35

Education
- Master of Science, Environmental Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA, 1986
- Bachelor of Science, Chemical Engineering, Tunghai University, Taiwan, 1981

Registrations
- Professional Engineer-Civil, 49365, California

Certifications
- Project Manager Certification, Parsons

Work Experience

On-Call Services Contract and Task Order Manager. City of Los Angeles - Bureau of Engineering, Program, Process Engineering, and Construction Management Support Services, Los Angeles, California, United States. 12/2012-07/2017; 9/2017-7/2027.
Employer: Parsons
Parsons provided program management, project management, planning, design, and construction management services for wastewater- and stormwater-related projects, such as conveyance systems, pumping plants, storm drains, treatment facilities, and other wastewater facilities owned or planned by the City of Los Angeles. Bill managed task orders for providing engineering support services for project management, design engineering, and construction management tasks, including staff augmentation with up to 15 staff members and home office engineering support assignments.

Technical Advisor. Silicon Valley Clean Water, Front of Plant Design, Redwood City, California, United States. 06/2018-04/2021.
Employer: Parsons
Parsons is part of a fully integrated construction joint venture in this progressive design-build contract to design and construct a receiving lift station, a headworks facility, influent connector pipe, an odor control facility, electrical infrastructure improvements, and related civil/site work. The receiving lift pump station is a dry well installation equipped with six pumps fed by two separated manifolds. The pump station has an initial capacity of up to 76 million gallons per day with provisions for future expansion to up to 80 million gallons per day. This project is part of Silicon Valley Clean Water's Regional Environmental Sewer Conveyance Upgrade Program, and construction is scheduled for completion in 2022. Bill was responsible for performing quality control reviews of the civil design drawings and specifications and the hydraulic profiles for the treatment processes.

Technical Advisor. Elsinore Valley Municipal Water District, Elsinore Valley Regional Water Reclamation Facility Upgrade and Expansion, Lake Elsinore, California, United States. 09/2017-10/2021.
Employer: Parsons
Parsons is providing comprehensive condition assessment, design, permitting, and construction management support services for the Elsinore Valley Municipal Water District's Regional Water Reclamation Facility upgrade and expansion from a capacity of 8 million to 12 million gallons per day. The scope of work includes converting the existing distributed control system to a supervisory control and data acquisition system, conducting a plant-wide comprehensive condition assessment, designing reliability and redundancy upgrades to existing treatment processes, and providing a 4-million-gallon-per-day capacity expansion using membrane bioreactor and ultraviolet processes. Bill is responsible for performing quality control reviews of the civil design drawings and specifications and the hydraulic profiles for the treatment processes.

Project Manager, Iron Mountain and Gene Pumping Plants Water and Wastewater System Replacement Project, Task Order No. 4, Metropolitan Water District of Southern California, Los Angeles, California, United States. 12/2019-Present. Parsons has been engaged to design replacement systems for potable water and non-potable irrigation water distribution and wastewater collection and onsite wastewater treatment systems for Iron Mountain and Gene Pumping Plants along the Colorado Aqueduct. Bill served as the project manager.

Task Lead, Off-Site Facilities. Inland Empire Utilities Agency, Regional Plants 1 and 5 Liquids and Solids Treatment System Upgrades and Expansion, Chino, California, United States. 02/2016-10/2021.
Employer: Parsons
Parsons is providing a range of planning, design, and construction support services for expanding and upgrading the Regional Water Recycling Plant 5, which includes a 30-million-gallon-per-day liquid treatment using a membrane bioreactor and ultraviolet processes and a 40-million-gallon-per-day biosolids management system, including thickening, anaerobic digestion and biosolids dewatering, food waste treatment, and cogeneration upgrades (as part of the Renewable Energy Recovery Project) to maximize electrical efficiency and heat recovery within the complex and implement innovative power generation and energy management technologies. The project also includes decommissioning, replacing, relocating, and constructing new off-site facilities, including sewage lift stations, force mains, brine lines, and recycled water conveyance pipelines. Parsons is also completing the preliminary design to expand and upgrade Regional Plant 1, which includes retrofitting a 40-million-gallon-per-day membrane bioreactor system into the existing plant, solids-handling systems, and advanced water treatment alternatives to accommodate anticipated regulatory requirements for recycled water reuse. Technologies include multimedia deep bed filtration, cloth media filtration, membrane bioreactors, disinfection with a liquid hypochlorite system, disinfection with an ultraviolet system, and storage and pumping of reclaimed water. Bill serves as the off-site facilities and recycled water task lead for the project.

Project Manager. City of Los Angeles - Bureau of Engineering, HTP "G" Street Pipeway Corrosion and Structural Rehabilitation Project, Los Angeles, California, United States. 02/2013-10/2015.
Employer: Parsons
Parsons provided program and construction management services for the "G" Street pipeway corrosion and structural rehabilitation project for the Hyperion Water Reclamation Plant. Work included providing oversight and quality control for compliance with the latest building code for a structural capacity analysis, a corrosion evaluation, and structural design for rehabilitation of the 1,450-foot-long, 12-foot-wide "G" Street pipeway, an overhead pipe rack used to support pipelines conveying digester gas, steam, and other utilities since the mid-1990s. The two-level space frame pipeway structure consisted of vertical and horizontal trusses made of structural steel W-sections and angles supported by cantilevered steel pipe columns on drilled pier foundations spaced at 20 to 25 feet on center. A corrosion condition assessment identified numerous locations of corrosion damage totaling 3,102 feet, which formed the basis for the final design to rehabilitate the pipeway. The final design for the pipeway rehabilitation included refurbishment of the steel pipe rack structures and piping, equipment, and appurtenances supported by the pipe rack. Refurbishment work included repairing and replacing the pipeway structural members and connections, replacing corroded pipe supports and valves, cleaning the surface of existing stainless pipelines, providing temporary containment systems, removing existing paint, preparing the surface, applying the coating, and painting existing pipeway structures and pipelines.

Project Manager. Guam Waterworks Authority, Central Guam Reservoir Design, Barrigada, Guam, United States. 6/2011-10/2013.
Employer: Parsons
Parsons provided the preliminary and final design for two 2.0-million-gallon AWWA D110 Type I strand-wound prestressed concrete tanks, 96 feet in diameter and with a 40-foot maximum water depth, to replace an existing 2.0-million-gallon steel tank. The project started with the evaluation and design of a 2.0-million-gallon prestressed concrete water storage reservoir to replace an existing damaged 2-million-gallon steel water tank at the same location of the existing tank. Guam Waterworks Authority owns approximately 30 welded-steel-construction water storage tanks. With the island's extremely corrosive environment, there can be issues in properly maintaining the steel tanks due to the year-round high humidity and demand on the system. As a tropical island subject to large seismic events, Guam presents unique challenges to any water storage structures. To assist with selecting the appropriate type and design of the tank

for the Central Guam Water Reservoir, Parsons evaluated alternative prestressed concrete water tanks during the preliminary design, including AWWA D110 wire- and strand-wound circular, prestressed concrete water tanks, and AWWA D115 tendon-prestressed concrete water tanks. The AWWA D110 Type I tank was selected because it has the appropriate design features for the corrosive environment and seismic attributes of Guam. Based on Parsons' evaluation and recommendations, Guam Waterworks Authority decided to have two 2.0-million-gallon strand-wound prestressed concrete tanks constructed to serve its northern distribution system. Design services included preparing plans, specifications, and estimates, including design calculations, a construction schedule, a topographic survey and mapping, geotechnical engineering, a hazardous materials survey, construction documents, design drawings in AutoCAD, and relevant permits. Bill served as project manager for the project.

Lead Civil Engineer. City of Visalia, Water Conservation Plant Upgrades and Expansion, Visalia, California, United States. 11/2009-05/2020.
Employer: Parsons
Parsons provided the design of upgrades to and an expansion of the City's 22-million-gallon-per-day water conservation plant with a future capacity of 26 million gallons per day for nitrification and denitrification to produce high-quality recycled water encompassing an extensive distribution system. Work included converting an existing activated sludge plant to a membrane bioreactor facility using existing tankage to the extent possible and an ultraviolet disinfection system. Biosolids were thickened using gravity belt thickeners anaerobically digested using two-phase digestion and dewatered on screw presses. The project also involved a biological odor control system. The membrane bioreactor system (hollow fiber), screw presses, ultraviolet system, diffusers, blowers, and microturbines were preselected competitively and incorporated into the design. Bill served as civil design lead for the project.

Project Manager. City of Los Angeles Bureau of Engineering, Hyperion Water Reclamation Plant Parking Structure Preliminary Structural Evaluation, Los Angeles, California, United States. 4/2014–8/2014
Employer: Parsons
Project involved a visual inspection and preliminary structural evaluation, including examining cracking patterns associated with temperature cycles, shrinkage, shear loads, elastic loads, and elastic shortening, which could cause cracking in the post-tensioned concrete parking structure constructed in 1991. A 3D finite element model of the parking structure was developed using SAP2000 software to simulate the approximate geometry and stiffness of the structure and to evaluate structural integrity, compliance with the latest building codes, and serviceability. Bill served as project manager for the project.

Project Manager. City of Los Angeles Bureau of Engineering, DCT Multipurpose Office and Building Project, Donald C. Tillman Water Reclamation Plant, Van Nuys, California, United States. 02/2012-09/2012
Employer: Parsons

Project involved architectural and engineering services on an accelerated schedule for developing design-build bridging contract documents, including design criteria plans and specifications, for a two-story, 17,630-square-foot building meeting the Leadership in Energy and Environmental Design (LEED) Gold requirements. Bill's responsibilities included leading the project team that provided civil, architectural, structural, mechanical, and electrical plans and specifications addressing the functional requirements of the project and the expectations of the building use and operations to meet the client's accelerated project schedule. The conceptual design of the new building facility received approval by the City of Los Angeles Cultural Affairs Commission.

Technical Advisor. City of Tulare, Domestic Wastewater Treatment Plant Expansion Design, Tulare, California, United States. 07/2009-05/2011.
Employer: Parsons
Parsons provided design and engineering services during construction for upgrading and expanding the Tulare Domestic Wastewater Treatment Plant. The project was designed to increase the domestic treatment plant capacity from 6 million to 8 million gallons per day. The scope of services included assisting the City of Tulare with optimizing the performance of its existing Domestic Wastewater Treatment Plant and designing a reliable nitrification/denitrification process to help meet stringent discharge requirements. Work included providing a detailed design of the new expansion facilities for two treatment scenarios (6- and 8-million-gallon-per-day upgrades and expansion) and planning the layout and facilities to

enable future expansion of the site while complying with the time schedule. Biosolids were treated by gravity belt thickeners, anaerobic digestion, and solar drying beds. Design services included process engineering and modeling; civil, mechanical, structural, electrical, and instrumentation and controls engineering; cost estimating; corrosion protection; and sustainability. Bill's responsibilities included performing qualify control reviews of the hydraulic profiles for the treatment processes.

Technical Advisor. City of Los Angeles - Bureau of Engineering, Machado Lake Ecosystem Restoration, Los Angeles, California, United States. 02/2010-11/2010.
Employer: Parsons
The Machado Lake Rehabilitation project was Phase II of the Machado Lake Integrated Water Quality and Habitat Improvement Program. The overall goals of the Machado Lake ecosystem rehabilitation were to improve the water quality conditions, visual aesthetics, and biological diversity of the ecosystem to attain and sustain its desired uses and characteristics (i.e., wildlife habitat, environmental education, and recreational fishing) and to meet total maximum daily load requirements and other water quality targets. Parsons provided integrated ecological and engineering strategies and solutions involving watershed-based management approaches, in-lake rehabilitation techniques, riparian system enhancements, and treatment best management practices at strategic areas in the park.

Technical Advisor. City and County of Honolulu, Wahiawa Wastewater Treatment Plant Improvements, Wahiawa, Hawaii, United States. 09/2009-08/2010.
Employer: Parsons
Parsons provided engineering services during construction for upgrades to Wahiawa Wastewater Treatment Plant and the effluent reuse system on Central Oahu. Work involved upgrading the existing 2.5-million-gallon-per-day conventional activated sludge plant to a membrane bioreactor plant process immersed flat sheet membranes. The membrane bioreactor process was used to produce effluent water meeting Hawaii's R-1 recycled water requirements. A low-pressure, high-intensity ultraviolet system was used for disinfection before effluent reuse and discharge into a reservoir. Solids-handling facilities such as gravity belt thickeners were also included in the design. Almost all existing structures were used or retrofitted for process or flow equalization because of very high seasonal and diurnal variations in flow. Bill served as project manager for the project.

Technical Reviewer. DeKalb County Public Works Department, Snapfinger and Pole Bridge Advanced Wastewater Treatment Facilities Construction Management, Decatur and Lithonia, Georgia, United States. 03/2008-08/2017.
Employer: Parsons
Parsons provided design services to upgrade and expand two metropolitan Atlanta (DeKalb County) advanced wastewater treatment facilities. The Snapfinger plant's capacity was increased from 36 to 59 million gallons per day, and the Pole Bridge plant's capacity was increased from 20 to 34 million gallons per day. Design services included a new supervisory control and data acquisition system merging the new instrumentation and controls systems of the two facilities to form an integrated control system to optimize plant operations with peak flow shaving, power monitoring, aeration, and large motor management, enhancing environmental sustainability. Bill was a technical reviewer on the project.

Lead Engineer. Metropolitan Water District of Southern California, Weymouth Filtration Plant Oxidation Retrofit Program, La Verne, California, United States.
Employer: Carollo Engineers
Project involved performing a site engineering study, preliminary design, and final design for an oxidation retrofit program for the Weymouth Filtration Plant. Work included adding ozonation pretreatment processes to the 520-million-gallon-per-day treatment plant. Facilities included ozone generation; ozone contactors; liquid oxygen, sulfuric acid, hydrogen peroxide, sodium hypochlorite, and sodium hypochlorite storage; electrical switchgear and switchyard; chemical delivery rail spurs; a railroad yard; 15-foot-wide by 13-foot-high reinforced concrete box conduits; a 144-inch-diameter influent pipeline; a 96-inch-diameter rejection pipeline; a 36-inch-diameter wash water return pipeline; and 18- to 42-inch-diameter storm drain pipelines. Site improvements included site security improvements, secured plant entry roadway improvements for maneuvering, and chemical delivery truck staging and inspections. Bill served as the project manager for the project.

Project Manager. Yorba Linda Water District, Hidden Hills Reservoir and Santiago Booster Pump Station, Yorba Linda, California, United States.
Employer: Carollo Engineers
Project involved designing a 2.0-million-gallon reservoir and modifications to a booster pump station, including a dual-basin buried reinforced concrete reservoir, 1,500 feet of 12-inch-diameter inlet/outlet pipeline, 2,500 feet of 18-inch-diameter storm drain, 1,500 feet of paved access road on a natural knoll, and replacing two existing booster pumps with two 400-gallon-per-minute vertical turbine pumps and a new programmable logic controller at the Santiago Booster Station. The booster station supplied water to the new Hidden Hills Reservoir. A key element of the project was development of a computer fluid dynamic model for a mixing analysis to promote water circulation in the reservoir. Bill served as the project manager for the project.

Project Manager. Yorba Linda Water District, Highland Reservoir Replacement, Yorba Linda, California, United States.
Employer: Carollo Engineers
Project involved evaluating a reservoir site, developing reservoir alternatives, and preparing a preliminary design report to replace an existing 4.5-million-gallon concrete reservoir with a new reliable, flexible water storage facility at the same location enabling the district to maximize water storage on the site. Site plans and alternative reservoir configurations up to 9.0 million gallons of storage capacity were developed. Bill served as the project manager for the project.

Project Manager. Yorba Linda Water District, Highland Reservoir Replacement, Yorba Linda, California, United States.
Employer: Carollo Engineers
Project involved final design and construction management of a 6.0-million-gallon buried concrete reservoir to replace an existing 4.5-million-gallon concrete reservoir built in 1911. Work included demolishing the existing concrete reservoir and metal roofing and constructing two bolted steel tanks to provide 1.0 million gallons of interim storage to maintain uninterrupted water service to the distribution systems during construction of the new concrete reservoir. Bill served as the project manager for the project.

Project Manager. Elsinore Valley Municipal Water District, El Toro Transmission Main, Lake Elsinore, California, United States.
Employer: Carollo Engineers
Project involved designing 9,290 feet of 12- to 16-inch-diameter ductile iron pipelines. Bill served as the project manager for the project.

Project Manager. City of Banning, Water System Hydraulic Modeling, Banning, California, United States.
Employer: MWH
Work included evaluating and allocating current water demands; developing projected water demands based on land use and population estimates; determining average day, maximum day, and peak hour demands; developing typical daily demand variations; reviewing water supply sources; and evaluating the city's needs for new and additional water supply. The scope of work included reviewing and evaluating current and future operational, emergency, and fire storage requirements to determine the need for additional storage and appropriate location of new reservoirs; developing a computer hydraulic model of the city's water system using H2ONET software to analyze existing facilities and evaluate future facility requirements, including field calibrating the model with actual flow and pressure monitoring data; and analyzing model runs to determine distribution system deficiencies and recommend new facilities, existing facility improvements, and other measures to meet established water system service criteria for developing future capital improvement projects. Bill served as project manager for the project.

Project Engineer. South Montebello Irrigation District, Two New Reservoirs, Montebello, California, United States.
Employer: MWH
Project involved design and construction management of two 750,000-gallon water storage reservoirs. Work included a California Environmental Quality Act initial study, negative declaration, preliminary engineering design, final design, and construction management services. The two welded steel tanks replaced an existing elevated steel tank adjacent to the two new tanks. Design included site planning, tank sizing, grading, paving, yard piping, and valves. Construction of the two reservoirs was completed without change orders. Bill served as project engineer for the project.

Project Engineer. City of Chino, New Concrete Reservoir No. 5, Chino, California, United States.
Employer: MWH
Project involved design and construction management of a 7.0-million-gallon prestressed concrete reservoir. The partially buried concrete reservoir had a side water depth of 32 feet and inside diameter of 194 feet. The site plan, including grading and surface drainage, was designed to allow a second 7.0-million-gallon reservoir to be constructed at the site with minimum grading effort. An inlet riser in the reservoir was designed to maintain the required minimum back pressure on the discharge control valve of an energy recovery hydroelectric station at the reservoir site. Design of the reservoir overflow pipeline, which discharged to the San Bernardino County flow control drain channel, used the siphon principle to maximize the discharge rate in the event of an overflow, with an air gap at the end of the overflow pipe to prevent any backflow and potential cross connections. Bill served as project engineer for the project.

Project Engineer. Massachusetts Water Resources Authority, Two New Reservoirs, Boston, Massachusetts, United States.
Employer: MWH
Project involved designing two 12.5-million-gallon prestressed concrete reservoirs to replace an existing open reservoir. Water quality issues tied to covered storage were addressed to consider adding a future satellite chlorination facility coupled with excessive detention times in the tanks. A computer model using computer fluid computation simulations was prepared to evaluate different inlet/outlet orientations and baffle configurations to provide uniform flow streams within the tanks and prevent nitrification. The final design included a full-height redwood baffle with 4 percent porosity located 39 feet from the reservoir inlet, which would decrease the velocity through the center of the reservoir, allowing flow along the walls to catch up, providing uniform flow along the cross-sectional area of the reservoir. Bill served as project engineer for the project.

Project Engineer. City of Riverside, Tilden, Van Buren, and University City Reservoirs, Riverside, California, United States.
Employer: MWH
Project involved design and construction management of a 3.0-million-gallon circular prestressed concrete reservoir, a 7.5-million-gallon reinforced concrete reservoir, and a 10-million-gallon reinforced concrete reservoir. All three reservoirs were fully buried. During the preliminary design phase, issues studied and addressed included reservoir dimensions and configurations, seismic safety, geotechnical characteristics, construction material and techniques, economics, constructability, site restraints, landscape requirements, site security, operating flexibility, and overflow discharges. The resulting decisions were finalized with the owner's consent and incorporated into final design of the three buried reservoirs. Bill served as project engineer for the project.

Project Manager. City of Arcadia, St. Joseph Reservoir No. 1, Arcadia, California, United States.
Employer: MWH
Project involved design and construction management of a 5.0-million-gallon, partially buried, reinforced concrete reservoir to replace the existing 3.0-million-gallon St. Joseph Reservoir No. 1 to maximize water storage on site. The rectangular reservoir was 192 feet long and 168 feet wide with a side water depth of 20.5 feet to match the high water elevation of the adjacent St. Joseph Reservoir No. 2. The reservoir served Zone 4 by floating on the system and served as a forebay for the adjacent St. Joseph Booster Station to serve upper Zone 3. The reservoir outlet connecting to the suction manifold of the booster pumping station was designed to minimize vortex formation and air entrapment, thereby protecting the pumps. The project also included demolishing an existing groundwater production well, two booster stations, a chlorination station, and the existing 3.0-million-gallon concrete reservoir. Bill served as project manager for the project.

Project Manager. Palmdale Water District, Clearwell Design and Construction, Palmdale, California, United States.
Employer: MWH
Project involved design and construction management for a 6.0-million-gallon clearwell that received water from the Palmdale Water Treatment Plant. To meet the CT disinfection requirements (residual disinfectant concentration [mg/L] multiplied by contact time [minutes]) under the Surface Water Treatment Rule, a computational fluid dynamics model was prepared to evaluate different baffle layouts and configurations and simulate the flow patterns in the clearwell. A baffle configuration that maximized the T10 value was selected. In consideration of the project site's proximity to the San Andreas Fault, polypropylene membrane baffles suspended under the roof beams and rafters with stainless steel cables

were designed and installed. The baffle system design used the tank columns and walls to provide lateral support for the baffles, thus minimizing construction costs associated with baffle installation. Design and construction of the clearwell conformed to American Water Works Association Standard D-100 for welded steel tanks with modifications to enhance the tank structure and foundation integrity. Bill served as project manager for the project.

Project Engineer. City of Pomona, Reservoir No. 4B, Pomona, California, United States.
Employer: MWH
Project involved refurbishing Reservoir No. 4B, including replacing joint sealant, repairing concrete cracks, and repairing damaged concrete joints on an aboveground circular precast concrete reservoir. Bill served as project engineer for the project.

Project Engineer. Southern California Water Company, Vinnell Reservoir Rehabilitation, San Dimas, California, United States.
Employer: MWH
Project involved installing a new aluminum roof and support structures to replace an existing wood roof, replacing joint sealant in concrete floors and slopes, and repairing concrete cracks on a partially buried reinforced concrete reservoir. Bill served as project engineer for the project.

Project Engineer. Los Angeles Department of Water and Power, Reservoir Alternative Evaluation, Los Angeles, California, United States.
Employer: MWH
Project involved investigating different construction materials and techniques for constructing two 10-million-gallon reservoirs. Evaluated reservoir alternatives included wire-wound prestressed concrete reservoirs with metal roofs, internal tendon prestressed concrete reservoirs with metal roofs, and welded steel tanks. Reservoir construction costs and maintenance expenses were prepared. Based on these costs and the assumed reservoir economical useful life, probable life-cycle costs for the alternatives were developed to determine the most economical reservoir alternative. Bill served as project engineer for the project.

Project Engineer. City of Pittsburgh, Lanpher Reservoir Rehabilitation, Pittsburgh, Pennsylvania, United States.
Employer: MWH
Project involved designing a reservoir cover where the total normal water surface to be covered was approximately 15.8 acres, with a water depth of 36 to 38 feet. The reservoir had been in service for more than 90 years and consisted of two concrete-lined prismoidal-shaped basins separated by a mid-height concrete center wall. The project included preliminary and detailed designs for polypropylene flexible-membrane covers and Hypalon linings for the 135-million-gallon water storage reservoir. Field and laboratory tests were conducted to determine embankment stability and concrete lining integrity. A preliminary design report was prepared to evaluate floating cover alternatives, determine the capability of the concrete liner to accommodate the floating cover, and identify improvements necessary to ensure continuous services. A weight-stressed floating cover, together with replacing and repairing the concrete lining were recommended. Final design included constructing an embankment in the center of the reservoir using the mid-height concrete wall as a core within the embankment to allow the owner to use one basin while the other basin was drained for maintenance. Plans and specifications were also prepared for a new Hypalon liner and polypropylene cover for both basins. Bill served as project engineer for the project.

Project Engineer. San Diego County Water Authority, Reservoir Design and Construction, San Diego, California, United States.
Employer: MWH
Project involved design and construction management of an 18-million-gallon, buried reinforced concrete reservoir located in Mission Trails Park and serving as a flow regulatory structure providing operation and contingency storage of treated water in the district's 96-inch-diameter aqueduct system. The flow regulatory structure alternatives, structural components, and cost estimates were addressed in the preliminary design phase. Final design included a fully buried rectangular reinforced concrete structure with a hopper bottom, an access building, 72-inch-diameter inlet and outlet pipelines, valve vaults, an energy-dissipating structure, and electrical, instrumentation, and controls. The project received

an Outstanding Civil Engineering Project Award from the American Society of Civil Engineers San Diego Section in 1997. Bill served as project engineer for the project.

Design Peer Reviewer. City of Los Angeles Department of Water and Power, Hollywood Water Quality Improvement, Hollywood, California, United States.
Employer: MWH
Project involved improving water quality for the city. Bill reviewed drawings and specifications prepared by the City of Los Angeles Department of Water and Power, including two 30-million-gallon fully buried prestressed concrete tanks, mechanical piping, 72-inch transmission pipelines, and 10-foot-diameter tunneling.

Project Manager. City of Santa Maria, Water Storage Reservoir, Santa Maria, California, United States.
Employer: MWH
Project involved design and construction support for a 7.0-million-gallon water storage reservoir, a partially buried reinforced concrete reservoir with an aluminum roof and wood roof frames adjacent to two existing 6.0- and 7.0-million-gallon reservoirs. The aluminum roof was supported by wood truss joists made of American yellow cedar. Separate inlets and outlets in the reservoir were designed to promote water circulation. The city was required by the California Department of Health Services to turn over water stored in the existing reservoirs on a weekly basis to avoid nitrification resulting from chloramines contained in the water. Design of reservoir level controls, sensing devices, and valve controls allowed the owner to select any elevation in the reservoir as a high water operating level, which provided the flexibility to operate the reservoir together with the two adjacent reservoirs during turnovers and the capability to preserve excess water when overflows occurred from either of the other two reservoirs. Bill served as project manager for the project.

Project Manager. City of Westminster, Reservoir Design and Construction Management, Westminster, California, United States.
Employer: MWH
Project involved design and construction management of two 8.0-million-gallon reservoirs. The reservoirs were welded steel tanks with a 185-foot inside diameter and a 40-foot side water depth, designed in accordance with the American Water Works Association Standard D-100. To provide a stable foundation for the two reservoirs, approximately 800 stone columns were installed to a depth of 32 feet deep below ground surface to protect the flood control channel and stormwater detention basin along the north and south boundaries of the reservoir site. The site was also preloaded with 66,000 cubic feet of soils to improve the subsurface soil condition. The project included a 2,500-gallon-per-minute groundwater production well, a 9,300-gallon-per-minute booster pumping station, and pipelines. Bill served as project manager for the project.

Project Engineer. City of Torrance, Reclaimed Water Plan, Torrance, California, United States.
Employer: MWH
Project involved a reclaimed water service plan. Bill served as project engineer for a reclaimed water market assessment, distribution system modeling and analysis, a reclaimed water service plan, and project economics.

Project Manager. City of Burbank, Lockheed B-1/B-199 Reclaimed Water System, Burbank, California, United States.
Employer: MWH
Project involved preparation of a preliminary engineering report identifying potential Phase C reclaimed water users, including a cemetery, parks, schools, greenbelts, and future commercial centers, and analyzing three pipeline alignments for delivering reclaimed water from the Burbank Water Reclamation Plant to Phase C1 and C2 users. A computer model for the city's reclaimed water system, including Phases A (DeBell reclaimed water system) and C, was prepared to simulate the supply and demand variations in a 24-hour period to determine adequate pipeline sizes and to explore the hydraulic feasibility of implementing the Phase C reclaimed water system. An implementation plan was presented for expansion of the city's reclaimed water service area to include future commercial development at the Lock B-1/B-199 sites. Bill served as project manager for the project.

Project Manager. City of Burbank, DeBell Reclaimed Water System, Burbank, California, United States.
Employer: MWH
Project involved a preliminary engineering study, design, and construction management of approximately 17,000 feet of 16-inch-diameter ductile iron reclaimed water transmission pipelines, two 600- and 400-horsepower in-line booster

stations, two AWWA D100 steel water storage tanks, on-site conversions, conversion of two 500,000-gallon domestic water storage tanks to reclaimed water storage tanks, and upgrade of the existing water reclamation plant effluent pumping station. Work included on-site conservation of potable water service pipelines to reclaimed water service pipelines at six reclaimed water user sites, including schools, golf courses, parks, and a landfill. Other project tasks included preparation of California Environmental Quality Act environmental documents, a Title 22 engineering report, and state water reclamation loan applications; assisting with system start-up; training operators; and developing an operations and maintenance manual. Bill served as project manager for the project.

Assistant Program Manager. City of Pasadena, Water Reclamation Program, Pasadena, California, United States.
Employer: MWH
Project involved planning and design of two 3.5-million-gallon reservoirs, 33 miles of 6- to 36-inch-diameter transmission and distribution pipelines, and on-site conversion of approximately 80 reclaimed water users. The pipelines delivered reclaimed water from Scholl Canyon to reclaimed water users in Pasadena. Work included water quality modeling, an economic and funding study and analysis, a Title 22 engineering report, a California Environmental Quality Act environmental study, a hydraulic network analysis, and public meetings. Bill served as assistant program manager for the project.

Project Engineer. City of Pomona, Vertical Turbine Pumping Station, Pomona, California, United States.
Employer: MWH
Project involved design and construction management of a 200-horsepower vertical turbine pumping station. Bill served as project engineer for the project.

Project Engineer. Irvine Ranch Water District, Vertical Turbine Pumping Station, Irvine, California, United States.
Employer: MWH
Project involved designing a 150-horsepower vertical turbine pumping station. Bill served as project engineer for the project.

Project Engineer. Orange County Water District, Anaheim Lake, Kraemer Basin, and Miller Basin Pumping Stations, Fountain Valley, California, United States.
Employer: MWH
Project involved design and construction management of the 1,180-horsepower, 51,000-gallon-per-minute Anaheim Lake pumping station; the 885-horsepower, 22,400-gallon-per-minute Kraemer Basin pumping station; and the 200-horsepower, 9,000-gallon-per-minute Miller Basin pumping stations using submersible pumps to dewater the groundwater recharge basins. Bill served as project engineer for the project.

Project Engineer. City of San Diego, Water Repurification, San Diego, California, United States.
Employer: MWH
Project involved preliminary design of a 2,700-horsepower, 18-million-gallon-per-day (12,600 gallons per minute at 680 feet total dynamic head) repurified water pumping station, consisting of three variable-speed drive pumps and one constant-speed drive pump. Water repurification included a 20-million-gallon-per-day advanced water purification treatment plant, an 18-million-gallon-per-day booster pumping station, and approximately 23 miles of pipelines. Bill served as project engineer for the project.

Project Engineer. Santa Ana Watershed Project Authority, Chino Basin Desalination Program Groundwater Production Well Facilities, Riverside and San Bernardino Counties, California, United States.
Employer: MWH
Project involved designing groundwater production well facilities, including equipping 11 new groundwater production wells using vertical turbine deep well pumps, which produced groundwater to be collected and treated at the water treatment plant designed and constructed as a part of the project. All well pumps were made of stainless steel because of the high corrosivity of the groundwater. Bill served as project engineer for the project.

Project Manager. City of Fountain Valley, Well No. 12, Fountain Valley, California, United States.
Employer: MWH
Project involved equipping well No. 12, consisting of a 300-horsepower, 3,000-gallon-per-minute vertical turbine deep well pump and wellhead chlorination and fluoridation treatment facilities housed in a masonry building. Project facilities

included a hydraulic cylinder-actuated pump control ball valve, a cyclone desander, a rate-of-flow control valve, an on-site sodium hypochlorite generator, hypochlorite and fluoride solution storage tanks, chemical solution feed pumps, and chemical piping. Bill served as project manager for the project.

Construction Manager. City of South Gate, Westside Reservoir, South Gate, California, United States.
Employer: MWH
Project involved construction of Westside Reservoir, including replacing two deep well pumps for wells No. 26 and 27, constructing two 1.66-million-gallon water storage steel tanks, a booster pumping station, a sodium hypochlorite disinfection facility, a standby diesel engine generator, and well collection pipelines. Bill also served as lead engineer providing third-party peer reviews of preliminary and final design drawings and specifications prepared by the city's design consultant.

Project Manager. Palmdale Water District, Pumping Station and Pipelines, Palmdale, California, United States.
Employer: MWH
Project involved design and construction management of a 1,150-horsepower, 28-million-gallon-per-day pumping station and 42-inch-diameter cement mortar-lined and -coated welded steel pipelines. The pumping station consisted of two sets of vertical turbine pumps in pump barrels conveying water from a new clearwell to existing reservoirs in two pressure zones (three pumps for each pressure zone), a standby diesel engine generator, and two hydropneumatic surge tanks. The pumps were equipped with either hydraulic cylinder-operated pump control ball valves or diaphragm pump control valves, depending on operational requirements. Bill served as project manager for the project.

Project Manager. City of Westminster, Booster Pumping Station, Groundwater Production Well, and Transmission Pipeline, Westminster, California, United States.
Employer: MWH
Project involved design and construction management of an 800-horsepower, 9,300-gallon-per-minute booster pumping station; a 3.6-million-gallon-per-day groundwater production well; and transmission pipelines. The booster pumping station consisted of four 3,300-gallon-per-minute vertical turbine pumps, including a standby pump, in pump barrels. The pumps were equipped with variable-speed drives drawing water from two 8.0-million-gallon reservoirs in response to system demands. Pressure-sustaining and rate-of-flow control valves were installed on the tank inlet off the pump station discharge pipeline to allow the tanks to be filled by the distribution system during low water demand periods when the pumping station was not in operation. A new water production well was equipped with a 200-horsepower, 2,500-gallon-per-minute vertical turbine deep well pump. An on-site sodium hypochlorite generator was designed to feed 0.8 percent sodium hypochlorite solution to disinfect well water and water discharged to the distribution system from the pumping station. Other facilities included a standby diesel engine generator, a hydropneumatic surge tank, a pipe storage building, and an office. The project also included design and construction of two 8.0-million-gallon steel tanks, 800 stone columns, and 66,000 cubic yards of soil surcharge. Bill served as project manager for the project.

Project Manager. City of Solvang, State Water Improvements, Solvang, California, United States.
Employer: MWH
Project involved design and construction management of a 1,300-gallon-per-minute vertical in-line package pumping station, a 1,000-gallon-per-minute vertical turbine pumping station, aqua ammonia feeding stations, and 5,600 feet of 12- and 16-inch-diameter polyvinyl chloride transmission pipelines. Adding aqua ammonia to the city's wellhead facilities converted the disinfectant in the city water distribution system from free chlorine to chloramines, which was compatible with chloramines contained in the imported water from the state water project. Bill served as project manager for the project.

Project Engineer. Cucamonga County Water District, Arthur H. Bridge Water Treatment Plant, Rancho Cucamonga, California, United States.
Employer: MWH
Project involved design and construction management of a 4.0-million-gallon-per-day water treatment plant. Work included designing continuous microfiltration units for treatment of surface water before distribution to the water distribution system. Other important project elements included designing strainers, chlorination equipment, a chlorine gas scrubber system, and instrumentation and controls. The project received an Engineering Honor Award in the 1998

Consulting Engineers and Land Surveyors of California Engineering Excellence Competition for the state of California. Bill served as project engineer for the project.

Project Engineer. Metropolitan Water District of Southern California, Cross-Connection Prevention Program, Los Angeles, California, United States.
Employer: MWH
Project involved preliminary design for a cross-connection prevention program. Work included preparing preliminary design drawings for modifying and relocating 413 structures, including air release valves, air vacuum valves, and blow-off assemblies to prevent potential contamination of treated water in the distribution system. Bill served as project engineer for the project.

Project Engineer. Orange County Water District, Anaheim Lake, Kraemer Basin, and Miller Basin Pumping Station, Fountain Valley, California, United States.
Employer: MWH
Project involved design and construction management for the 1,180-horsepower, 51,000-gallon-per-minute Anaheim Lake pumping station; the 885-horsepower, 22,400-gallon-per-minute Kraemer Basin pumping station; and the 200-horsepower, 9,000-gallon-per-minute Miller Basin pumping station using submersible pumps to dewater the groundwater recharge basins. Bill served as project engineer for the project.

Project Engineer. Irvine Ranch Water District, Foothill Ranch Water Pipeline, Irvine, California, United States.
Employer: MWH
Project involved designing a 16-inch cement mortar-coated and -lined welded steel pipeline from Zone 6A Reservoir and pumping station to Zone 6 Reservoir to serve the Foothill development. Bill served as project engineer for the project.

Project Engineer. Santa Ana Watershed Project Authority, Brine Discharge Pipeline, Chino, California, United States.
Employer: MWH
Project involved design and construction management of 7,000 feet of 27- to 30-inch-diameter vitrified clay brine discharge pipeline. Bill served as project engineer for the project.

Project Engineer. Santa Ana Watershed Project Authority, Treated Water Pipelines, Chino Hills, California, United States.
Employer: MWH
Project involved design and construction management of treated water pipelines, including 8,300 feet of 16-inch-diameter cement mortar-lined and -coated welded steel transmission pipelines. Bill served as project engineer for the project.

Project Engineer. City of Chino, Water Pipeline Facilities, Chino, California, United States.
Employer: MWH
Project involved designing pipeline facilities, including 24,000 feet of 16-inch-diameter polyvinyl chloride potable water transmission pipeline, a 3.0-million-gallon water storage reservoir, and a 4,900-gallon-per-minute booster station. Bill served as project engineer for the project.

Project Engineer. Santa Ana Watershed Project Authority, Chino Basin Desalination Program Water Pipeline Facilities, Riverside and San Bernardino Counties, California, United States.
Employer: MWH
Project involved designing water pipeline facilities, including 35,700 feet of polyvinyl chloride well water collection pipelines varying from 4 to 30 inches in diameter and 14,700 feet of 30-inch-diameter cement mortar-lined and -coated steel treated water transmission pipeline. Bill served as project engineer for the project.

Design Engineer. City of Baltimore, Back River Wastewater Treatment Plant, Baltimore, Maryland, United States.
Employer: Whitman, Requardt and Associates, LLP
Project involved a facility plan design for a 170-million-gallon-per-day wastewater treatment plant. Work included conceptual planning and process analysis for expanding the plant. Bill served as design engineer on the project.

Design Engineer. Baltimore City Department of Public Works, Patapsco Wastewater Treatment Plant, Baltimore, Maryland, United States.
Employer: Whitman, Requardt and Associates, LLP
Project involved expanding a 70-million-gallon-per-day wastewater treatment plant using biological processes for nutrient removal. Work included evaluating existing facilities, developing a conceptual plan, performing a process analysis, and performing detailed design. Bill served as design engineer on the project.

Design Engineer. City of Aberdeen, Plater Street Pumping Station, Aberdeen, Maryland, United States.
Employer: Whitman, Requardt and Associates, LLP
Project involved designing a pumping station consisting of horizontal end-suction pumps. Bill served as design engineer on the project.

Design Engineer. City of Hagerstown, Hagerstown-Smithsburg Pumping Station, Hagerstown, Maryland, United States.
Employer: Whitman, Requardt and Associates, LLP
Project involved designing a 900-million-gallon-per-minute pumping station, including two 450-gallon-per-minute horizontal split case pumps. Bill served as design engineer on the project.

Design Engineer. State of Maryland, State Vietnam Veterans Memorial, Baltimore, Maryland, United States.
Employer: Whitman, Requardt and Associates, LLP
Project involved preparing a site development plan. Bill served as design engineer on the project.

Design Engineer. City of Baltimore, Leakin Park Transmission Main, Baltimore, Maryland, United States.
Employer: Whitman, Requardt and Associates, LLP
Project involved designing a transmission main consisting of 66-inch-diameter prestressed concrete cylinder pipe. Bill served as design engineer on the project.

Design Engineer. Anne Arundel County, Dorsey Road Water Treatment Plant Upgrades, Glen Burnie, Maryland, United States.
Employer: Whitman, Requardt and Associates, LLP
Project involved updates to the lime softening facilities at an 11-million-gallon-per-day treatment plant. Work included field investigations, process analysis, and detailed design of lime bulk storage, pumping, and feeding systems. Bill served as design engineer on the project.

Publications/Presentations

Publications

"Water Reuse in Pasadena, California - Its Challenges and Solutions," Proceedings of the 1996 American Water Works Association/Water Environment Federation Water Reuse Conference, Denver, Colorado, Denver, Colorado, 1996 (coauthors S. Thakral and S. Kwan).

"Multifaceted Approach Yields Success for Burbank's Dual Distribution System," Proceedings of the 1996 American Water Works Association/Water Environment Federation Water Reuse Conference, Denver, Colorado, Denver, Colorado, 1996 (coauthors A.K. Dhingra, L. Fong, and F. Lantz).

"A Comparison of the Sorption/Desorption Capacity of a Spent Oil Shale and a Western Soil," Proceedings of the 18th Mid-Atlantic Industrial Waste Conference, Lancaster, Pennsylvania, Lancaster, Pennsylvania, 1986 (coauthors A.N. Godrej and G.D. Boardman).

"The Sorption-Desorption Capacity of Oil Shale Materials - Volume 1," United States Department of Energy Office of Scientific and Technical Information, National Technical Information Service, DOE/LC/10964-2037, Volume 1 (DE86006608), 1985 (coauthors G.D. Boardman, A.N. Godrej, and D.M. Cowher).

"The Sorption-Desorption Capacity of Oil Shale Materials - Volume 2," United States Department of Energy Office of Scientific and Technical Information, National Technical Information Service, DOE/LC/10964-2037, Volume 2 (DE86006609), 1985 (coauthors G.D. Boardman, A.N. Godrej, and D.M. Cowher).

HANDOYO SUWANDHAPUTRA, PE, QSD, LEED AP

SENIOR SUPERVISING ENGINEER

Handoyo Suwandhaputra has experience in planning, design, value engineering, and construction support of general civil engineering for municipal, public works, commercial, industrial, airport, government, and military facilities. Responsibilities have included preparing design criteria and performing design analyses and calculations for underground site utility plans and profiles for water, sanitary sewer, storm drain, and other piping process lines; substructure excavation and backfill, grading, paving, and drainage plans; and earthwork quantity calculations.

Handoyo has prepared technical specifications, developed design basis documents incorporating value engineering recommendations, and developed demolition and/or construction drawings. He has supervised ground and aerial survey subcontractor activities and produced topography survey maps, including manipulating orthophotography and binary raster data and converting binary raster data to vector data. He has prepared material takeoffs as input for cost estimates and coordinated site-related approvals and permitting, including preparing tract maps, parcel maps, and other survey legal descriptions.

Work Experience

Utility Relocation Civil Engineer. California High-Speed Rail Authority, California High-Speed Rail Construction Package 1, Madera to Fresno, California, United States. 01/2020-04/2021.
Employer: Parsons
This design-build project includes the first section of a new, ultimately 800-mile-long high-speed rail system to accommodate trains running between San Diego and Sacramento at speeds of more than 200 mph. Parsons serves as lead designer for the initial 29-mile-long alignment in the Central Valley, beginning in Madera and ending just south of Fresno. It is predominantly a civil infrastructure project that includes 27 grade separations, a 250-foot-long jacked box tunnel, 3.4 miles of aerial structures, a major river crossing over the San Joaquin River, and 2.7 miles of trench. Handoyo is responsible for preparing drawings and specifications for relocation and abandonment of existing utilities affected by High Speed Rail project.

Discipline Job Leader. Inland Empire Utilities Agency, Regional Plants 1 and 5 Liquids and Solids Treatment System Upgrades and Expansion, Chino, California, United States. 12/2019-04/2021.
Employer: Parsons
Parsons is providing a range of planning, design, and construction support services for expanding and upgrading the Regional Water Recycling Plant 5, which includes a 30-million-gallon-per-day liquid treatment using a membrane bioreactor and ultraviolet processes and a 40-million-gallon-per-day biosolids management system, including thickening, anaerobic digestion and biosolids dewatering, food waste treatment, and cogeneration upgrades (as part of the Renewable Energy Recovery Project) to maximize electrical efficiency and heat recovery within the complex and implement innovative power generation and energy management technologies. The project also includes decommissioning, replacing, relocating, and constructing new off-site facilities, including sewage lift stations, force mains, brine lines, and recycled water conveyance pipelines. Parsons is also completing the preliminary design to

YEARS OF EXPERIENCE
Total: 40
With Parsons: 34

EDUCATION
- Master of Engineering, Civil Engineering, University of Texas at El Paso, Texas, 1984
- Bachelor of Science, Civil Engineering, University of Texas at El Paso, Texas, 1982

REGISTRATIONS
- Civil Engineer, 44212, California

CERTIFICATIONS
- Qualified SWPPP Developer (QSD), California Stormwater Quality Association
- LEED Accredited Professional (LEED AP), Green Business Certification, Inc.

LANGUAGES
- Indonesian

COMPUTER/SOFTWARE SKILLS
- AutoCAD
- Autodesk Land Development Desktop
- MicroStation

expand and upgrade Regional Plant 1, which includes retrofitting a 40-million-gallon-per-day membrane bioreactor system into the existing plant, solids-handling systems, and advanced water treatment alternatives to accommodate anticipated regulatory requirements for recycled water reuse. Technologies include multimedia deep bed filtration, cloth media filtration, membrane bioreactors, disinfection with a liquid hypochlorite system, disinfection with an ultraviolet system, and storage and pumping of reclaimed water. Handoyo is responsible for preparing plans (demolition, paving & fine grading, yard piping plan and profiles drawings), specifications and calculation for all the civil engineering improvements. He is also responsible for reviewing submittal, answering request for information (RFI) during construction.

Discipline Job Leader. City of Redlands, Redlands Wastewater Treatment Plant Condition Assessment and Upgrade Design, Redlands, California, United States. 04/2019-04/2021.
Employer: Parsons

Parsons is providing condition assessment and design for upgrades for the City of Redlands' 9.5-million-gallon-per-day wastewater treatment plant. The plant currently has parallel membrane bioreactor and conventional activated sludge treatment trains to treat an annual average flow of 5.5 million gallons per day. Based on the city's anticipated 0.8 percent per year population growth rate, the projected flows are expected to be well below the rated treatment capacity of 9.5 million gallons per day of annual average flow beyond the next 20 to 30 years. Parsons is designing an upgrade to the membrane bioreactor train to handle staged expansion. Simplifying operations by eliminating the conventional activated sludge treatment train will maximize their return on investment; provide higher levels of reliability, redundancy, and operational flexibility; bring significant energy savings; and eliminate permit noncompliance issues by producing high-quality recycled water suitable for multiple recycled water uses. The formal condition assessment of the existing plant includes structural, mechanical, and electrical facilities and instrumentation and controls. Parsons is also evaluating the process for bottlenecks to the expansion of the membrane bioreactor process and energy efficiency. Handoyo is responsible for preparing plans (demolition, paving & fine grading, yard piping plan and profiles drawings), specifications and calculation for all the civil engineering improvements. He is also responsible for reviewing submittal, answering request for information (RFI) during construction.

Discipline Job Leader. Elsinore Valley Municipal Water District, Elsinore Valley Regional Water Reclamation Facility Upgrade and Expansion, Lake Elsinore, California, United States. 04/2017-04/2021.
Employer: Parsons

Parsons is providing comprehensive condition assessment, design, permitting, and construction management support services for the Elsinore Valley Municipal Water District's Regional Water Reclamation Facility upgrade and expansion from a capacity of 8 million to 12 million gallons per day. The scope of work includes converting the existing distributed control system to a supervisory control and data acquisition system, conducting a plant-wide comprehensive condition assessment, designing reliability and redundancy upgrades to existing treatment processes, and providing a 4-million-gallon-per-day capacity expansion using membrane bioreactor and ultraviolet processes. Handoyo is responsible for preparing plans (demolition, paving & fine grading, yard piping plan and profiles drawings), specifications and calculation

for all the civil engineering improvements. He is also responsible for reviewing submittal, answering request for information (RFI) during construction.

Discipline Job Leader. Silicon Valley Clean Water, SVCW Front of Plant Design, Redwood City, California, United States. 02/2018-03/2021.
Employer: Parsons
Parsons was part of a fully integrated construction joint venture in this progressive design-build contract to design and construct a receiving lift station, a headworks facility, influent connector pipe, an odor control facility, electrical infrastructure improvements, and related civil/site work. The receiving lift pump station was a dry well installation equipped with six pumps fed by two separated manifolds. The pump station had an initial capacity of up to 76 million gallons per day with provisions for future expansion for up to 80 million gallons per day. This project was part of Silicon Valley Clean Water's Regional Environmental Sewer Conveyance Upgrade Program, and construction is scheduled for completion in 2022. Handoyo is responsible for preparing plans (demolition, paving & fine grading, yard piping plan and profiles drawings), specifications and calculation for all the civil engineering improvements. He is also responsible for reviewing submittal, answering request for information (RFI) during construction.

Discipline Job Leader. Metropolitan Water District of Southern California, Iron Mountain and Gene Pumping Plants Water Distribution and Wastewater System Replacement, Earp and Parker Dam, California, United States. 12/2019-10/2020.
Employer: Parsons
Through an on-call services contract, Parsons provided final design for replacement of potable water systems; non-potable irrigation water distribution systems; wastewater collection, treatment, and disposal systems; and associated grading and paving at the Iron Mountain and Gene Pumping Plants. Each plant included operational and maintenance facilities, offices, guest lodging units, a recreation center, a kitchen, a swimming pool, and residential housing units in village areas. Handoyo is responsible for preparing plans (demolition, paving & grading, underground utilities plan and profiles drawings), specifications and calculation for all the civil engineering improvements.

Senior Civil Engineer. City of Visalia, Water Conservation Plant Upgrades and Expansion, Visalia, California, United States. 04/2010-05/2020.
Employer: Parsons
Parsons provided the design of upgrades to and an expansion of the City's 22-million-gallon-per-day water conservation plant with a future capacity of 26 million gallons per day for nitrification and denitrification to produce high-quality recycled water encompassing an extensive distribution system. Work included converting an existing activated sludge plant to a membrane bioreactor facility using existing tankage to the extent possible and an ultraviolet disinfection system. Biosolids were thickened using gravity belt thickeners anaerobically digested using two-phase digestion and dewatered on screw presses. The project also involved a biological odor control system. The membrane bioreactor system (hollow fiber), screw presses, ultraviolet system, diffusers, blowers, and microturbines were preselected competitively and incorporated into the design. Handoyo is responsible for preparing demolition, paving & fine grading, yard piping plan and profiles drawings for all the civil engineering improvements, and designed a complete plant storm drain system to control rainwater on site and return excess stormwater to the plant headworks.

Discipline Job Leader. Inland Empire Utilities Agency, Regional Plants 1 and 5 Liquids and Solids Treatment System Upgrades and Expansion, Chino, California, United States. 06/2017-11/2019.
Employer: Parsons
Parsons provided a range of planning, design, and construction support services for expanding and upgrading the Regional Water Recycling Plant 5, which included a 30-million-gallon-per-day liquid treatment using a membrane bioreactor and ultraviolet processes and a 40-million-gallon-per-day biosolids management system, including thickening, anaerobic digestion and biosolids dewatering, food waste treatment, and cogeneration upgrades (as part of the Renewable Energy Recovery Project) to maximize electrical efficiency and heat recovery within the complex and implemented innovative power generation and energy management technologies. The project also included decommissioning, replacing, relocating, and constructing new off-site facilities, including sewage lift stations, force mains, brine lines, and recycled water conveyance pipelines. Parsons also completed the preliminary design to expand and upgrade Regional Plant 1, which included retrofitting a 40-million-gallon-per-day membrane bioreactor system into the existing plant, solids-handling systems, and advanced water treatment alternatives to accommodate anticipated regulatory requirements for recycled water reuse. Technologies included multimedia deep bed filtration, cloth media filtration, membrane bioreactors, disinfection with a liquid hypochlorite system, disinfection with an ultraviolet system, and storage and pumping of reclaimed water. Handoyo is responsible for preparing plans (demolition, paving & fine grading, yard piping plan and profiles drawings), specifications and calculations for all the civil engineering improvements. He is also responsible for reviewing submittal, answering request for information (RFI) during construction.

Discipline Job Leader. Eastern Municipal Water District, Solar Renewable Energy Phase 3, Perris, California, United States. 01/2018-08/2019.
Employer: Parsons
Parsons provided engineering services associated with site preparation for the Phase 3 Solar Renewable Energy Initiative project. The project's objective was to offset the energy usage from the grid and effect savings to its rate payers by constructing a series of solar and other forms of renewable energy projects throughout the service area. Phase 3 Solar Renewable Energy Initiative (solar) projects expanded the solar capabilities at four of the regional water reclamation facilities where solar facilities were constructed during Phase 2. Parsons prepared an earthwork strategy technical memorandum, coordinated and supported survey and geotechnical services, prepared contract documents (plans and specifications), prepared a construction cost estimate, and provided engineering services during the bid phase. Parsons also provided engineering services during construction. Handoyo is responsible for preparing plans (grading and utility relocation drawings), specifications and calculation for all the civil engineering improvements. He is also responsible for earthwork calculation, rough order magnitude (ROM) engineering cost estimate, reviewing submittal, answering request for information (RFI) during construction.

Discipline Job Leader. Sanitation Districts of Los Angeles County, Joint Water Pollution Control Plant Effluent Outfall Tunnel, Carson, California, United States. 10/2012-05/2018.
Employer: Parsons
Parsons performed feasibility studies, preliminary engineering, final design, and engineering services during construction for a new outfall from the Joint Water Pollution Control Plant in Carson, California. The 7-mile-long, 18-foot-internal-

diameter, precast concrete, segmental-lined tunnel will provide additional capacity and redundancy for existing 8- and 12-foot-diameter tunnels. The new tunnel alignment primarily follows underneath streets within the public right-of-way to avoid tunneling underneath private property. Facilities designed include a 60-foot-diameter tunnel entry shaft, a junction structure, and two valve structures. The tunnel begins at the plant and connects to an existing active force main. The downstream end connects to a new manifold for the existing ocean outfalls. Both existing tunnels and main outfalls are required to be in service during all phases of construction. When complete, the tunnel and associated structures will be part of one of the largest and longest marine outfalls in the world, ensuring the needs of the joint outfall system are fulfilled for the foreseeable future. Handoyo is responsible for preparing plans (demolition, paving & fine grading, yard piping plan and profiles drawings), specifications and calculation for all the civil engineering improvements. He is also responsible for reviewing submittal, answering request for information (RFI) during construction.

Senior Civil Engineer. Inland Empire Utilities Agency, Regional Plants 1 and 5 Liquids and Solids Treatment System Upgrades and Expansion, Chino, California, United States. 03/2016-01/2017.
Employer: Parsons
Parsons provided a range of planning, design, and construction support services for expanding and upgrading the Regional Water Recycling Plant 5, which included a 30-million-gallon-per-day liquid treatment using a membrane bioreactor and ultraviolet processes and a 40-million-gallon-per-day biosolids management system, including thickening, anaerobic digestion and biosolids dewatering, food waste treatment, and cogeneration upgrades (as part of the Renewable Energy Recovery Project) to maximize electrical efficiency and heat recovery within the complex and implemented innovative power generation and energy management technologies. The project also included decommissioning, replacing, relocating, and constructing new off-site facilities, including sewage lift stations, force mains, brine lines, and recycled water conveyance pipelines. Parsons also completed the preliminary design to expand and upgrade Regional Plant 1, which included retrofitting a 40-million-gallon-per-day membrane bioreactor system into the existing plant, solids-handling systems, and advanced water treatment alternatives to accommodate anticipated regulatory requirements for recycled water reuse. Technologies included multimedia deep bed filtration, cloth media filtration, membrane bioreactors, disinfection with a liquid hypochlorite system, disinfection with an ultraviolet system, and storage and pumping of reclaimed water. Handoyo is responsible for preparing plans (demolition, paving & fine grading, yard piping plan and profiles drawings), specifications and calculation for all the civil engineering improvements. He is also responsible for reviewing submittal, answering request for information (RFI) during construction.

Discipline Job Leader. Royal Commission for Jubail and Yanbu, Yanbu Industrial City Development, Yanbu, Saudi Arabia. 10/2014-12/2016.
Employer: Parsons
Parsons has served since 1976 as the program manager to finalize the master plan and to manage all infrastructure design and development for the industrial city of Yanbu. For more than 40 years, Parsons has worked alongside the Royal Commission for Jubail and Yanbu (RCJY) to engineer, design, and construct landmark housing, power, wastewater treatment, potable water, irrigation, port, health, education, training, religious, recreational, life support, and security facilities. Parsons performs a broad range of services, including management and advisory; technical;

engineering consulting; coordination; planning; preliminary design and engineering cost, schedule, and cost and schedule control; contract negotiation and administration; and supervisory, technical direction, and follow-up, all in coordination with the RCJY. Handoyo is responsible for preparing plans (demolition, paving & grading, underground utilities plan drawings), specifications and calculations for all the civil engineering improvements.

Senior Civil Engineer. City of Visalia, Renewable Power Generation System Engineering Services, Visalia, California, United States. 08/2015-05/2016.
Employer: Parsons
Parsons provided engineering and design services for a new renewable power generation facility for the water conservation plant in Visalia, California. The facility consisted mainly of generating engines fed with digester gas to produce electricity. Engine and ancillary equipment was sheltered in a new masonry building, and other ancillary equipment was located outdoors in the vicinity of the building. Handoyo is responsible for preparing plans (demolition, paving & fine grading, yard piping plan and profiles drawings), specifications and calculations for all the civil engineering improvements.

Senior Civil Engineer. City of Fresno - Department of Public Works, Tertiary Treatment and Disinfection Facility Design, Fresno, California, United States. 11/2010-12/2014.
Employer: Parsons
Parsons provided engineering and design services for a new tertiary treatment and disinfection facility at the Fresno-Clovis Regional Wastewater Treatment Facility and a new recycled water distribution system, including pipelines, pump stations, and storage reservoirs. A phased plan was developed for the 30-million-gallon-per-day facility, which has an initial capacity of 5 million gallons per day with the capability of being expanded to 30 million gallons per day over the years to accommodate more users in incremental phases. Work included performing a review, screening, and life-cycle cost analysis of various conventional media filtration technologies. Membrane bioreactor was chosen because it produces the highest quality recycled water and is amenable to the denitrification process. The scope included preliminary and detailed design; State Revolving Fund loan and permitting assistance; services during construction, startup, and commissioning; and participation in stakeholder and public meetings. Handoyo prepared demolition, paving & fine grading, and yard piping plans for the site and considered different alternatives to tie into existing pipelines and route the new pipelines within the existing plant to ensure proper integration with and minimal interruption to the existing piping system.

Civil Engineering Task Leader. Guam Waterworks Authority, Central Guam Reservoir Design, Barrigada, Guam, United States. 09/2011-08/2013.
Employer: Parsons
Parsons provided the preliminary and final design for two 2.0-million-gallon AWWA D110 Type I strand-wound prestressed concrete tanks, 96 feet in diameter and with a 40-foot maximum water depth, to replace an existing 2.0-million-gallon steel tank. The project started with the evaluation and design of a 2.0-million-gallon prestressed concrete water storage reservoir to replace an existing damaged 2-million-gallon steel water tank at the same location of the existing tank. Guam Waterworks Authority owns approximately 30 welded-steel-construction water storage tanks. With the island's extremely corrosive environment, there can be issues in properly maintaining the steel tanks due to the year-round high humidity and demand on the system. As a tropical island subject to large seismic events, Guam presents unique challenges to

any water storage structures. To assist with selecting the appropriate type and design of the tank for the Central Guam Water Reservoir, Parsons evaluated alternative prestressed concrete water tanks during the preliminary design, including AWWA D110 wire- and strand-wound circular, prestressed concrete water tanks, and AWWA D115 tendon-prestressed concrete water tanks. The AWWA D110 Type I tank was selected because it has the appropriate design features for the corrosive environment and seismic attributes of Guam. Based on Parsons' evaluation and recommendations, Guam Waterworks Authority decided to have two 2.0-million-gallon strand-wound prestressed concrete tanks constructed to serve its northern distribution system. Design services included preparing plans, specifications, and estimates, including design calculations, a construction schedule, a topographic survey and mapping, geotechnical engineering, a hazardous materials survey, construction documents, design drawings in AutoCAD, and relevant permits. Handoyo prepared demolition, paving and grading, and yard piping plans and profiles for the project.

Lead Civil Engineer. West Basin Municipal Water District, Edward C. Little Water Recycling Facility Phase V Expansion Design-Build, El Segundo, California, United States. 05/2011-06/2013.
Employer: Parsons
This 46-million-gallon-per-day facility produced ultra-high-quality recycled water for groundwater replenishment, a seawater intrusion barrier, and various industrial uses. The plant also generated recycled water for irrigation and other general purposes for five different types of recycled water. Parsons' scope of work consisted of adding an ozonation process for microfiltration pretreatment; expanding existing treatment processes consisting of microfiltration, reverse osmosis, and peroxide/ultraviolet oxidation; expanding the high-rate clarification process; and adding solids-handling facilities and other improvements. Handoyo developed design-build construction drawings and specifications, including site improvements, grading, and yard piping plans and profiles. Considered different alternatives to tie into existing pipelines and route the new pipelines within the existing plant to ensure proper integration with and minimal interruption to the existing piping system. Developed demolition, grading and paving, and yard piping plans. Provided oversight during construction.

Lead Civil Engineer. City of Tulare, Domestic Wastewater Treatment Plant Expansion Design, Tulare, California, United States. 04/2009-05/2011.
Employer: Parsons
Parsons provided design and engineering services during construction for upgrading and expanding the Tulare Domestic Wastewater Treatment Plant. The project was designed to increase the domestic treatment plant capacity from 6 million to 8 million gallons per day. The scope of services included assisting the City of Tulare with optimizing the performance of its existing Domestic Wastewater Treatment Plant and designing a reliable nitrification/denitrification process to help meet stringent discharge requirements. Work included providing a detailed design of the new expansion facilities for two treatment scenarios (6- and 8-million-gallon-per-day upgrades and expansion) and planning the layout and facilities to enable future expansion of the site while complying with the time schedule. Biosolids were treated by gravity belt thickeners, anaerobic digestion, and solar drying beds. Design services included process engineering and modeling; civil, mechanical, structural, electrical, and instrumentation and controls engineering; cost estimating; corrosion protection; and sustainability. Handoyo is responsible for preparing plans (demolition, paving &

fine grading, yard piping plan and profiles drawings), specifications and calculation for all the civil engineering improvements.

Lead Civil Engineer. City and County of Honolulu, Wahiawa Wastewater Treatment Plant Improvements, Wahiawa, Hawaii, United States. 12/2008-05/2010.
Employer: Parsons
Parsons provided engineering services during construction for upgrades to Wahiawa Wastewater Treatment Plant and the effluent reuse system on Central Oahu. Work involved upgrading the existing 2.5-million-gallon-per-day conventional activated sludge plant to a membrane bioreactor plant process immersed flat sheet membranes. The membrane bioreactor process was used to produce effluent water meeting Hawaii's R-1 recycled water requirements. A low-pressure, high-intensity ultraviolet system was used for disinfection before effluent reuse and discharge into a reservoir. Solids-handling facilities such as gravity belt thickeners were also included in the design. Almost all existing structures were used or retrofitted for process or flow equalization because of very high seasonal and diurnal variations in flow. Handoyo evaluated available information and developed demolition, fine grading & paving, yard piping plan and profiles drawings and prepared an erosion control report.

Civil Task Leader. City of Bakersfield, Wastewater Treatment Plant No. 2 Odor Control Design, Bakersfield, California, United States. 05/2009-09/2009.
Employer: Parsons
Parsons provided engineering services for planning, design, and construction support for an odor control system and a septage and grease receiving station at the City of Bakersfield's 25 million-gallon-per-day Wastewater Treatment Plant No. 2. Handoyo prepared demolition, paving and grading, and yard piping plans and profiles for the project.

Civil Engineering Task Leader. City of Los Angeles - Bureau of Engineering, Central Outfall Sewer Rehabilitation Task Order 12, Los Angeles, California, United States. 09/2008-04/2009.
Employer: Parsons
Parsons provided engineering and design services for rehabilitation of the Phase 2 segment of the Central Outfall Sewer. The scope of work covered a 23,798-linear-foot reach of the Central Outfall Sewer from Market and Hyde streets in Inglewood to Rodeo Road in Los Angeles. Work included closed-circuit television, laser, and sonar profiling; a sewer condition assessment; value engineering workshops; plans, specifications, and bid document production; right-of-way services; traffic control plans; permit assistance; odor control services; 3D modeling; and community outreach support. Handoyo prepared sanitary sewer piping plans and profiles for the project.

Civil Engineer. Tianjin Economic Development Area, Promenade Design, Tianjin, China, People Rep. of. 10/2002-02/2004.
Employer: Parsons
Handoyo performed engineering design for conceptual storm drain, sanitary sewer, water, gas, grading, and drainage layout plans for the promenade development. These plans became the base map for the China Design Institute to develop construction documents. Coordinated and reviewed the construction documents produced by the China Design Institute.

Civil Task Leader. Los Angeles Zoo, Gorilla Holding Area, Los Angeles, California, United States. 09/1999-04/2003.
Employer: Parsons
Handoyo was responsible for preparing technical specifications, design calculations, and construction drawings for underground site utilities, including storm and sanitary sewer, domestic and firewater, medium-pressure gas, and site utility demolition.

Civil Engineer. Walt Disney Imagineering, Staff Extension Services, Glendale, California, United States. 08/2002-02/2003.
Employer: Parsons
Parsons provided architectural/engineering and construction management support services, including program management, architectural/engineering conceptual design through construction document preparation, submittal reviews, construction issue clarification, master planning, concept development, regulatory regulation coordination, environmental management, development management, and staff augmentation. Additional work elements included sitework and outdoor utilities; concrete work; architectural work; multidisciplinary engineering work, including structural, mechanical, plumbing, and electrical; cost estimating; multiple construction contractor oversight; physical security; and commissioning. Projects required coordinating work with multiple stakeholders, including state and federal agencies, utility districts, code authorities and fire officials, park operations, park maintenance, vendors, artists, special-effects engineers, and multiple contractors, all in a setting in which parks were operating with heavy usage by the public every day of the week, late into the evenings. Handoyo worked at the Disney office to create design development documents for Hong Kong Disneyland's Main Street, Fantasyland, Tomorrowland, and Adventureland areas. For each area, prepared final grading and drainage plans; storm drain layout, pipe sizing, and calculations; sanitary sewer layout and pipe sizing; mechanical utilities layout; and utility crossing analyses. Coordinated geometry for the utility and site plans.

Civil Engineer. Tianjin Economic Development Area, Soccer Stadium Design Development, Tianjin, China, People Rep. of. 04/2002-06/2002.
Employer: Parsons
Handoyo performed conceptual engineering design for storm drain, sanitary sewer, water, gas, grading, and drainage layout plans for the soccer stadium area development. These plans became the base map for the China Design Institute to develop the construction documents. Coordinated and reviewed the construction documents produced by the China Design Institute.

Civil Task Leader. Tianjin Economic Development Area, Soccer Stadium Conceptual Master Plan, Tianjin, China, People Rep. of. 01/2002-04/2002.
Employer: Parsons
Handoyo created rough and design development grading plans for groundbreaking of a lagoon based on a conceptual master plan, including lagoon water feed and under drain and storm drain lines. High groundwater and a 15-meter-thick silt layer complicated the lagoon development, resulting in a recommendation to use geogrid and geotextile for soil reinforcement. Created lagoon edge typical cross-sectional details. Both Chinese and English were shown on the drawings. Assisted the theme park planner with providing the site layout background. Assisted with the Tianjin soccer stadium master plan development by creating the soccer stadium site layout, rough grading plans, and utility plans for sanitary sewer, storm drain, gas, water, electrical, and communication lines.

Civil Task Leader. Los Angeles Zoo, Winnick Family Children's Zoo and Gluck Close Encounters, Los Angeles, California, United States. 09/2000-12/2001.
Employer: Parsons
Handoyo was responsible for preparing technical specifications, design calculations, and construction drawings for site layout; paving; grading; drainage; utilities, including storm and sanitary sewer, domestic and firewater, and medium-pressure gas; and site and utility demolition plans. Assisted with construction activities by reviewing requests for information, material submittals, and shop drawings, and solving field problems. Site development required extensive site demolition and grading to comply with the Americans with Disabilities Act for handicap access. This project won the American Public Works Association Southern California Chapter's 2001 project of the year award in the category of parks, leisure, and recreation.

Civil Engineer. Walt Disney Imagineering, Wild Animal Theme Park Expansion, Orlando, Florida, United States. 02/1996-09/2000.
Employer: Parsons
Parsons provided a comprehensive design crew over a three-year period on a staff augmentation basis for a 500-acre nature-themed park project that required facility design and area development for several themed "lands" and accompanying train and bus transit systems, new infrastructure, and necessary back-of-house facilities, such as storage and maintenance buildings. Handoyo conducted coordination reviews emphasizing coordination between various disciplines such as electrical, mechanical, and civil prior to construction, resulting in significant cost savings to the project.

Civil Task Leader. City of Cleveland, Cleveland Hopkins International Airport Expansion Program, Program Management, Cleveland, Ohio, United States. 03/2000-07/2000.
Employer: Parsons
In 1996, the City of Cleveland embarked on implementing an aggressive master plan and capital improvement program aimed at revitalizing its international airport, which had evolved into one of Continental Airlines' three major hub airport facilities. What resulted was a capital improvement program that was completed in approximately five years. This project included a new runway allowing simultaneous takeoffs and landings in most weather conditions on two runways. The airport had not been able to do this with its current runway separation distances. The runway was also completed in record time, being commissioned in less than five years from the start of the planning and permitting process. At the time of completion in 2002, no new major airport runways had ever been completed in the United States in as short a time frame. The record completion was made possible through commitment and collaboration with the City, the Federal Aviation Administration, the Environmental Protection Agency, and the airlines. The program involved managing more than 45 separate architectural and engineering design and construction contracts, most of which were completed concurrently. The program was managed by an independent program management team hired by the City of Cleveland, which acted as an extension to its staff. The team was made up of three firms. The program included the new 9,000-foot-long Category III runway, a 20-gate terminal (Concourse D), a new baggage claim terminal addition, a new 150,000-square-foot vehicle maintenance and storage facility, a new consolidated rental car facility, a new access and egress roadway system, a new UPS cargo facility, a new centralized deicing facility, a main terminal office tower curtain wall replacement, main hangar recladding and renovation, NASA test facilities relocation, and various airport roadway system

improvements. Handoyo conducted constructability reviews for site development-related areas such as grading, sewer, storm drain, water, and runway and taxiway concrete apron design.

Civil Task Leader. Guangzhou Baiyun International Airport Co., Ltd., New Guangzhou Baiyun International Airport, Huadu, Guangzhou, Guangdong, China. 05/1999-03/2000.
Employer: Parsons
Parsons provided program management services for the design of a 130-gate passenger terminal to be built at Guangzhou Baiyun International Airport. This is a greenfield airport, located approximately 17 miles from the heart of the city of Guangzhou. The airport now has three runways separated by the passenger terminal and a full complement of airside and landside facilities, including an air traffic control tower, aircraft maintenance facilities, air cargo facilities, aircraft hardstands, vehicle parking, and a new highway and rail system serving the airport. Handoyo was responsible for preparing a preliminary level of design supporting the new international terminal. Deliverables included material takeoffs and design basis documents and drawings covering site layout, paving, grading, drainage, storm drainage, sanitary sewer, drinking water, firewater, firewater pump station, traffic striping, and signage plans.

Civil Task Leader. Confidential Oil Company, Del Amo Superfund Site, Torrance, California, United States. 11/1998-02/1999.
Employer: Parsons
Handoyo was responsible for preparing soil capping construction drawings for an area of contaminated soil for US Environmental Protection Agency approval. Drawings included foundation layer and final cover grading plans, grading sections and details, a cap gas collection system plan, soil vapor extraction piping system and well location plans, related capping and well details, and storm drain plans.

Civil Task Leader. Pan Asia International Development Corporation, Discovery World Theme Park, Nantou City, Chinese Taipei. 01/1998-04/1998.
Employer: Parsons
Handoyo provided rough grading and site utility infrastructure based on conceptual theme park drawings. Prepared specifications, design calculations, and construction drawings for rough grading, sections, plans, and profiles for sanitary sewer, storm drain, and water lines.

Project Engineer. Commercial and Residential Land Development. Handoyo was responsible for topography survey plans, tentative tract or parcel maps, final track maps, roadway plans and profiles, hydraulic calculations (using a water surface profile and HEC-2 software), hydrologic calculations, and grading plans. Prepared water, storm drain, and sanitary sewer plans and profiles and earthwork quantity takeoffs. Prepared cost estimates of construction value for determining the fee to obtain construction permits. Assisted field survey crews by preparing calculations for construction staking. Performed certification of rough and final grading plans. Prepared lot line adjustments, survey drawings, and metes and bounds legal descriptions for utility easements.

Discipline Task Leader. Southern California Gas Company, Emissions Reduction Cogeneration Power Plant, Northridge, California, United States.
Employer: Parsons

Handoyo prepared site development, paving, hill grading, and drainage plans. Prepared underground utility plans for water, sanitary sewer, storm drain, and process piping lines. Prepared technical specifications.

Discipline Task Leader. National Institute of Standards and Technology, Transverse Electromagnetic Reverberation Test Chamber, Fort Huachuca, Arizona, United States.
Employer: Parsons
Handoyo conducted a site survey and prepared a conceptual design for site and underground utilities development. Prepared preliminary material takeoffs. Prepared a ground survey scope of work.

Discipline Task Leader. US Army Engineering and Support Center, Huntsville, Payload Assembly and Integration Complex, Kwajalein, Marshall Islands.
Employer: Parsons
This project involved various tasks. Handoyo conducted a site survey to collect as-built data. Performed feasibility site studies for establishing launch vehicle access areas and payload building orientation based on explosive distance separation criteria. Developed firewater distribution systems. Prepared site development, grading, paving, and drainage plans; technical specifications; and design calculations. Prepared shore protection studies.

Civil Task Leader. Guam International Airport Authority, Guam International Airport, Guam.
Employer: Parsons
Handoyo was responsible for grading, paving, and drainage plans for an airport taxiway. Prepared and optimized the airport concrete pavement joint plan. Prepared plans and profiles for water, sanitary sewer, and oily water lines. Prepared a plan and profile for an aircraft fuel line, including optimizing the location of a fuel hydrant based on aircraft parking positions and apron joint layout. Prepared the apron striping plan.

Civil Engineer. Walt Disney Imagineering, Tower of Terror and Disney MGM Studio, Orlando, Florida, United States.
Employer: Parsons
Handoyo conducted coordination reviews for electrical, water, storm drain, and sanitary sewer utilities, emphasizing utility crossings and building utility points of connection.

Civil Engineer. Walt Disney Imagineering, Downtown Disney, Anaheim, California, United States.
Employer: Parsons
Handoyo conducted coordination reviews emphasizing coordination between various disciplines such as electrical, mechanical, and civil prior to construction, resulting in significant cost savings and minimizing field change orders.

Senior Civil Engineer. City of Los Angeles Bureau of Engineering, Machado Lake Ecosystem Restoration and Wilmington Drain Multiuse Projects, Los Angeles, California, United States.
Employer: Parsons
Projects involved predesign, design, and design support services during construction for the integrated Machado Lake ecosystem restoration and Wilmington Drain multiuse projects. The projects were designed to receive stormwater runoff from more than 14,000 acres of an urban watershed, either directly or through the Wilmington Drain flood control channel. The projects combined stormwater capture

and treatment; flood control; low-impact designs; wetland and habitat design; recreational uses; recycled water use for the park, lake, and golf course; and environmental rehabilitation and restoration. The designs met federal Clean Water Act and state environmental requirements for one of the City of Los Angeles' largest urban parks. Services included providing stormwater improvements, wetland and environmental engineering, watershed management, and lake and stormwater best management practices. Key project components for Machado Lake included an in-lake oxygenation system, dam improvements, creation of a treatment wetland, and enhancement of existing wetlands for habitat creation and treatment. Key components for Wilmington Drain included preparation of channel grading plans and design of adjacent retaining walls, access roads, and drainage systems. Handoyo served as civil engineer for the planning and design phase to enhance and restore the lake and a 300-foot-long channel, both listed on the Environmental Protection Agency's 303(d) list of impaired water bodies, and approximately 112 acres of adjacent wetland and/or riparian habitat. Other tasks included designing sedimentation basins and other best management practices. Provided civil design services, including grading, drainage, and erosion control for both projects and a recycled water line tie-in design for irrigation.

CATHERINE MIRELES

SUPERVISING DESIGNER

Catherine Mireles has extensive experience utilizing every aspect of CAD and has worked in multiple disciplines for numerous projects. She works directly with engineers on 3D multidisciplinary designs for facilities primarily serving the water and wastewater industries using AutoCAD, AutoCAD Civil 3D, MicroStation, and InRoads. She develops civil layout drawings of underground utility systems, grading, gravity and pressure pipeline plans and profiles, cut-and-fill calculations, and final grading designs. She designs 3D civil models for use by other design disciplines. Catherine assists with the design efforts for municipal projects related to water and wastewater treatment plants, pump stations, and pipelines. Tasks include designing, modeling, drafting, coordinating workload with engineering staff, and interacting with design teams, clients, subcontractors, utility companies, and teaming partners.

Work Experience

Civil Designer. Port Authority of New York and New Jersey, John F. Kennedy International Airport Central Terminal Area Roadways, Utilities, and Ground Transportation Center, New York, New York, United States. 04/2023-Present. Employer: Parsons

Parsons is the lead designer on the design-build team for the central terminal area roadways, utilities, and a ground transportation center. Roadway work consists of reconfiguring the existing five-loop airport roadway circulation network to create a simplified three-loop system to deliver a more customer-friendly experience that is easier to navigate while increasing capacity and streamlining access to the terminals. The new ground transportation center includes a multilevel parking facility with an arrivals plaza to support multiple functions at-grade to improve the airport customer experience. The utility scope includes new, relocated, or upgraded water, sewer, gas, electrical, and communications infrastructure in the central terminal area to accommodate the redesigned roadways, support the new ground transportation center, and provide more reliable service for the airport. Catherine is responsible for supporting the lead engineer in the design of various utility infrastructure. Tasks include creating and updating construction site layouts and plan and profile drawings based on the project agreement and relevant technical guidelines and addressing internal and external comments.

Roadway Designer. City of Edmonton, Valley Line West Light Rail Transit Extension Design-Build-Finance, Edmonton, Alberta, Canada. 10/2021-07/2023. Employer: Parsons

The City of Edmonton selected Marigold Infrastructure Partners, an equal joint venture partnership between Colas Infrastructure Canada and Parsons, as the preferred proponent for the design-build-finance Valley Line West Light Rail Transit extension, which is the second stage of the Valley Line. The project consists of a 14 km long, at-grade extension of the soon-to-open Valley Line from downtown Edmonton to the western terminus of Lewis Farms. The project includes 14 stops, 2 elevated stations, 2 km of elevated guideway, expansion of the Gerry Wright Operations and Maintenance Facility, a new storage facility at Lewis Farms, and all other appurtenances related to light rail transit infrastructure, including systems integration, testing, and commissioning. Catherine was responsible for supporting the

YEARS OF EXPERIENCE

Total: 36

With Parsons: 6

COMPUTER/SOFTWARE SKILLS

- AutoCAD
- AutoCAD Civil 3D
- MicroStation
- InRoads
- OpenRoads Designer
- ProjectWise
- Autodesk Docs

lead engineer in the design of Segments 1, 2, and 3. Tasks included incorporating the 3D design in OpenRoads Designer; creating and updating road layout plan and profile drawings based on the project agreement and relevant technical guidelines; producing design and control vehicle movements for each intersection, setting intersection curb ramp profiles and performing design engineering reviews to identify and resolve any issues; and assisting with plan production, including helping create and update drawings as the design progressed and addressing internal and external comments.

Principal Civil Designer. Elsinore Valley Municipal Water District, Elsinore Valley Regional Water Reclamation Facility Upgrade and Expansion, Lake Elsinore, California, United States. 12/2017-08/2021.
Employer: Parsons
Parsons is providing comprehensive condition assessment, design, permitting, and construction management support services for the Elsinore Valley Municipal Water District's Regional Water Reclamation Facility upgrade and expansion from a capacity of 8 million to 12 million gallons per day. The scope of work includes converting the existing distributed control system to a supervisory control and data acquisition system, conducting a plant-wide comprehensive condition assessment, designing reliability and redundancy upgrades to existing treatment processes, and providing a 4-million-gallon-per-day-capacity expansion using membrane bioreactor and ultraviolet processes. Catherine was responsible for developing engineering drawings through completion in conformance with requirements, applicable codes, and the design criteria established by the project's discipline engineer. Created, designed, and analyzed 3D terrain models. Calculated earthwork volumes and created drawings of existing infrastructure. Designed plan and profile pipeline alignments, cross sections, and grading and drainage plans. Coordinated with other disciplines and with lead designers to ensure effective management of project deviations and changes for consistent drawing production.

Principal Civil Designer. Eastern Municipal Water District, Solar Renewable Energy Phase 3, Perris, California, United States. 10/2019-08/2021.
Employer: Parsons
Parsons provided engineering services associated with site preparation for the Phase 3 Solar Renewable Energy Initiative project. The project's objective was to offset the energy usage from the grid and effect savings to its rate payers by constructing a series of solar and other forms of renewable energy projects throughout the service area. Phase 3 Solar Renewable Energy Initiative (solar) projects expanded the solar capabilities at four of the regional water reclamation facilities where solar facilities were constructed during Phase 2. Parsons prepared an earthwork strategy technical memorandum, coordinated and supported survey and geotechnical services, prepared contract documents (plans and specifications), prepared a construction cost estimate, and provided engineering services during the bid phase. Parsons also provided engineering services during construction. Catherine was responsible for developing engineering drawings through completion in conformance with requirements, applicable codes, and the design criteria established by the project's discipline engineer. Created, designed, and analyzed 3D terrain models. Calculated earthwork volumes and created drawings of existing infrastructure. Designed plan and profile pipeline alignments, cross sections, and grading and drainage plans. Coordinated with other disciplines and with lead designers to ensure effective management of project deviations and changes for consistent drawing production.

Supervising Civil Designer. Metropolitan Water District of Southern California, Iron Mountain and Gene Pumping Plants Water Distribution and Wastewater System Replacement, Earp and Parker Dam, California, United States. 12/2019-10/2020.
Employer: Parsons
Through an on-call services contract, Parsons provided final design for replacement of potable water systems; non-potable irrigation water distribution systems; wastewater collection, treatment, and disposal systems; and associated grading and paving at the Iron Mountain and Gene Pumping Plants. Each plant included operational and maintenance facilities, offices, guest lodging units, a recreation center, a kitchen, a swimming pool, and residential housing units in village areas. Catherine developed civil layout drawings of underground utility systems, grading, gravity and pressure pipeline plans and profiles, cut-and-fill calculations, and the final grading design. Used ProjectWise and MicroStation to design 3D civil models for use by other design disciplines. Tasks included designing, modeling, drafting, coordinating workload with the engineering staff, and interacting with the design team, the client, subcontractors, and utility companies.

Principal Civil Designer. Inland Empire Utilities Agency, RP-1 Rehabilitation and RP-5 Liquids and Solids Treatment System Upgrades and Expansion, Chino, California, United States. 01/2018-12/2019.
Employer: Parsons
Parsons is providing a range of planning, design, and construction support services for expanding and upgrading the Regional Water Recycling Plants No. 1 and No. 5 (RP-1 and RP-5). The RP-1 scope includes evaluating the current RP-1 capacity limitations and developing a master plan for rehabilitation of RP-1 to a reliable liquids treatment capacity of 40 million gallons per day and a biosolids treatment capacity of 60 million gallons per day. Work at RP-5 includes providing design services for expanding the RP-5 liquids treatment facility from 15 million to 30 million gallons per day annual average flow, designing a new 40-million-gallon-per-day solids treatment facility, and providing master planning and conceptual design development for a 10-million-gallon-per-day advanced water treatment facility. Catherine developed civil layout drawings of underground utility systems, grading, gravity and pressure pipeline plans and profiles, cut-and-fill calculations, and the final grading design. Used Autodesk software to design 3D civil models for use by other design disciplines. Tasks included designing, modeling, drafting, coordinating workload with the engineering staff, and interacting with the design team, the client, subcontractors, and utility companies.

Principal Civil Designer. Sanitation Districts of Los Angeles County, Joint Water Pollution Control Plant Effluent Outfall Tunnel, Carson, Los Angeles, and Rancho Palos Verdes, California, United States. 04/2018-08/2018.
Employer: Parsons
Parsons is performing feasibility studies, preliminary engineering, final design, and engineering services during construction for a new outfall from the Joint Water Pollution Control Plant in Carson, California. The 7-mile-long, 18-foot-internal-diameter, precast concrete, segmental-lined tunnel will provide additional capacity and redundancy for existing 8- and 12-foot-diameter tunnels. The new tunnel alignment primarily follows underneath streets within the public right-of-way to avoid tunneling underneath private property. Facilities designed include a 60-foot-diameter tunnel entry shaft, a junction structure, and two valve structures. The tunnel begins at the plant and connects to an existing active force main. The downstream end connects to a new manifold for the existing ocean outfalls. Both existing tunnels and

main outfalls are required to be in service during all phases of construction. When complete, the tunnel and associated structures will be part of one of the largest and longest marine outfalls in the world, ensuring the needs of the joint outfall system are fulfilled for the foreseeable future. Catherine developed civil layout drawings of underground utility systems, grading, gravity and pressure pipeline plans and profiles, cut-and-fill calculations, and the final grading design. Used MicroStation to design 3D civil models for use by other design disciplines. Tasks included designing, modeling, drafting, coordinating workload with the engineering staff, and interacting with the design team, the client, subcontractors, and utility companies.

Design Manager. Southern California Gas Company, Pipeline Safety Enhancement Program, Los Angeles, California, United States. 04/2013-12/2017.
Employer: Cordoba Corporation
This pipeline safety enhancement program involved identifying various pipeline sections throughout Southern California Gas Company's system without a record of pressure tests and slating them to be pressure tested or replaced. The program included provisions to upgrade, replace, or retrofit hundreds of mainline valves in the system with technology to allow them to be opened or closed remotely by system operators from a central control location or to automatically shut off the flow of natural gas in the event of a large pressure drop. Catherine was assigned to work on the Wheeler Ridge Bundle comprising three project locations involving 13 segments of a 17.6-mile-long pipeline relocation and testing project. Responsible for design and layout activities during the execution phase of the project. Coordinated and prepared construction drawings, bills of materials, and plans. Coordinated design activities for the required construction drawings and other discipline-specific deliverables produced by designers, checkers, and drafters. Prepared manhour estimates and ensured compliance with established schedules, budgets, and technical project quality standards. Updated and maintained a document list and progress reports weekly and maintained all appropriate quality assurance/quality control documentation required to be provided at scheduled design reviews. Conferred and coordinated with internal discipline counterparts and the client's counterparts. Provided guidance, training, and assistance to all designers, checkers, and drafting personnel.

Lead Pipeline Designer. San Diego Gas & Electric, Pipeline Safety Enhancement Program, San Diego, California, United States. 02/2013-03/2015.
Employer: Jacobs
The pipeline safety enhancement program identified various pipeline sections throughout the client's system without a record of pressure tests and slating them to be pressure tested or replaced. The program included provisions to upgrade, replace, or retrofit hundreds of mainline valves in the system with technology to allow them to be opened or closed remotely by system operators from a central control location or to automatically shut off the flow of natural gas in the event of a large pressure drop. Catherine oversaw the design phases for natural gas transmission and distribution projects. Prepared and updated base drawings and layouts for gas system design. Researched records to obtain up-to-date as-built data for utilities, roadways, and property owners. Designed and updated gas system plans and profiles using AutoCAD Civil 3D. Prepared and submitted permit packages and traffic control plans. Assisted project managers and engineers with ensuring projects were completed on time. Coordinated with the client, contractors, and permitting agencies to collect data and facilitate project completion. Identified problems and collaborated with project managers, engineers, and the client to find solutions. Maintained files of city, state,

and federal permits; fee schedules; checklists; and applications. Updated the client's databases and systems in accordance with client requirements.

Supervising Civil Designer. MWD Construction. 03/2006-06/2011. Catherine was responsible for the development of civil layout drawings of underground utility systems, grading, gravity and pressure pipeline plans and profiles, cut-and-fill calculations, and final grading designs. Used ProjectWise and MicroStation to design 3D civil models for use by other design disciplines. Assisted with the design efforts for municipal projects related to water and wastewater treatment plants, pump stations, and pipelines. Tasks included design, modeling, drafting, coordinating the workload with engineering staff, and interacting with design teams, clients, subcontractors, utility companies, and teaming partners.

IKE CHUNG, P.E, QSD

SENIOR CIVIL ENGINEER

Technical Skill:

- Civil 3D.
- SSA.
- Microstation.
- Inroads.
- AutoTurn.
- AES.
- HEC-RAS.
- SewerGEMS.
- Flowmaster.
- Storm and Sanitary CAD.
- MS-Excel.
- Word.
- Drainage Report.
- Storm Water Data Report.
- and Hydraulic Analysis.
- Water Quality Management Plan Report.
- SUSMP.
- SWPPP.
- BMP.
- Deck Drain.
- Edge Drain.
- DMA.
- Drainage Permit.
- Grading Permit.
- Flood Studies.
- Scour Assessments.
- Computer Stormwater Modeling.
- Data Collection.
- Hydrologic

Education:

- Bachelor of Science, Civil Engineering, University of Seoul, Seoul, Korea,1986

License:

- QSD.
- California, Civil Engineer, 73079

Experience:

DRCD, Los Angeles, CA **Jan 22 - Present**
Project Manager

- Designing, drafting, and reviewing, managing Drainage project. City of Fontana Drainage Project.

City of Fontana Project, San Bernardino County, CA.

- Caltrans Infiltration Basin, Drainage Report, Design of Retention Pond, Catch Basin Inlet, BMP, and WQMP.
- Calculation of Hydrology and Hydraulic by Civil 3D & AES, Flood Studies, Computer Stormwater Modeling, Data Collection, Hydrologic and Hydraulic Analysis.

ATP Projects, Los Angeles, CA

- Involved in the California Transportation Commission (Commission) Active Transportation Program (ATP) projects, off the State Highway System as below Cities per Bell Gardens, Huntington Park, Adelanto

DRCD, Los Angeles, CA **Oct 19 – Jan 22**
Project Engineer

- Designing, drafting, reviewing, and managing Utilities projects.

Proposal for City of Los Angeles and County of Los Angeles

- Street Improvement for Eastern Avenue, and Valley Blvd with Civil3D

Metro Gold Line Phase 2B Project, Glendora, CA

- Foothill Construction Authority, Gold Line Extension Project with Inroads.
- Supporting the Parsons team with utilities and drainage design on this LRT extension in eastern San Gabriel Valley.
- Project involves an Alignment Design-Build contract to the Kiewit-Parsons Joint Venture that includes a base scope for the first nine miles, from Glendora to Pomona, with a two-year option to complete the full 12.3-mile extension to Montclair.

Alliance, LA, CA **May 18 - Feb 19**
Project Engineer

- Designing, drafting, and reviewing Drainage and Utilities project with Civil3D.

LAWA APM Project, Los Angele, CA

- LAWA Construction Authority, LAX Light Monorail Project with Civil3D Supporting HDR team with utilities and drainage design on this LRT, Storm Drain and Utilities Pipelines Relocation Project and Modeling and along about two miles Light Monorail (Los Angeles World Airport, Automation People Mover)

HW Lochner, Irvine, CA **Feb 17 - May 18**
Project Engineer

- Designing, drafting, and reviewing Drainage project. Caltrans Drainage Permitting

OC-405 Improvement Project, Orange County, CA

- Caltrans SWDR, Drainage Report, Design of Deck Drain, Edge Drain, BMP, and WQMP. Calculation of Hydrology and Hydraulic by SewerGems & Inroads, Flood Studies, Scour Assessments, Computer Stormwater Modeling, Data Collection, Hydrologic and Hydraulic Analysis.

Marrs, Fullerton, CA **Jul 13 – Sep 15**
Project Engineer

- Designing, drafting, and reviewing Utilities project.

Regional Connector Transit Project, Downtown Los Angeles, CA

- Relocation of several water lines for a new 1.9-mile underground light rail line in the downtown Los Angeles corridor.
- These relocations allow the construction and installation space required for the new underground lightrail line.
- Water relocated lines involve coordinating with contractors regarding the hanging of steel pipes, connecting steel pipe with cast iron and ductile iron pipe, corrosion protection, and relocating fire hydrants and Modeling with Civil3D.
- Meetings with the Los Angeles Department of Water and Power regarding design standards and submittal approvals.

SR-91 Expansion Project, Corona, CA.

- Design-Build project to expand the roadway sixteen miles with Inroads.
- Relocation of several sewer lines underground roadway in the City of Corona corridor.
- These relocations allow the construction and installation space required for the SR-91 Freeway.
- Sewer relocated lines were designed with Inroads.

URS Corp, Long Beach, CA **Jun 06 – Jul 13**
Project Engineer

- Designing, drafting, and reviewing, managing Port and Harbor Civil projects.

Port's Yard & Gate Redevelopment Projects with Civil3D or Inroads.

- Demolition Plan, Street Plan & Profile, Street Cross Section, Striping Plan, GradingPlan, Storm Drain Plan & Profile, Sewer Plan & Profile, Waterline Plan & Profile, Studying of Hydrology & SWPPP (Best Management Practice), Cost estimates, As-Built Drawings, Detail Checking, Technical Review, Product CoordinationReview

PB World Inc, San Bernardino, CA **Jun 04 - Jun 06**
Design Engineer

- Designing and drafting Public-Works projects.

Street Widening per Public-Works Projects with Civil3D

- Study Proposed Horizontal Alignments, Drainage Study, Right of Way Exhibit. Demolition Plan. Street Plan & Profile.
- Street Cross Section. Striping Plan. GradingPlan, Storm Drain Plan & Profile, Sewer Plan & Profile, Waterline Plan &Profile

AEI-Casc Inc, Colton, CA **Jan 04 - Jun 04**
Design Engineer,

- Designing and drafting Land Development projects with Civil3D.

Residential Land Development Project

- Residential Land Development per Plan of Parcel/Lots & Street, Street Plan & Profile, Plot Plan, Rough Grading Plan, Units Plan, Storm Drain Plan & Profile, Sewer Plan & Profile, Water Plan & Profile, Street Light Plan, Precise Grading Plan, Detention Pond Plan, Parking LotPlan.
- Commercial Land Development of Veterinary Hospital Project Grading Plan, Storm Drain Plan & Profile, Detention Pond Plan, Parking Lot Plan

Wildomar - Bundy Canyon Dr. Segment 2 PS&E - Waterline Relocation Design

Task	Firms	Current Scope	Sheet	Scale	Total Sheets	90% Sheets	100% Sheets	No. of Reports	Hours per Quantity	Total Hours	Prel Engg.	90% PS&E	100% PS&E	Final PS&E	Final Reports	Total Hours	Total Fee for Plan Production
PS&E										**1,760**	**380**	**608**	**380**	**152**	**240**	**1,760**	**264,000**
Utilities - Water Line Relocation Design					**25**	**25**	**25**			**1,400**	**350**	**560**	**350**	**140**		**1,400**	**$ 210,000**
Cover Sheet			T	NS	1	1	1		20	20	5	8	5	2		20	$ 3,000
Index Map			T	NS	1	1	1		20	20	5	8	5	2		20	$ 3,000
General Notes			GN	NS	1	1	1		20	20	5	8	5	2		20	$ 3,000
Legend and Abbreviation			LG	NS	1	1	1		20	20	5	8	5	2		20	$ 3,000
Plan & Profile - 10" Waterline Relocation from Sta 57+00 to Sta 126+00			P	40	8	8	8		80	640	160	256	160	64		640	$ 96,000
Plan & Profile - 12" Waterline Relocation from Sta 114+00 to Sta 143+00			P	40	4	4	4		80	320	80	128	80	32		320	$ 48,000
Enlarged Plans (for congested Utility area, if any)			L	40	3	3	3		40	120	30	48	30	12		120	$ 18,000
Typical Details			C	40	6	6	6		40	240	60	96	60	24		240	$ 36,000
Cost Estimate								**1**		**60**	**15**	**24**	**15**	**6**		**60**	**$ 9,000**
Cost Estimate								1	60	60	15	24	15	6		60	$ 9,000
Specifications								**1**		**60**	**15**	**24**	**15**	**6**		**60**	**$ 9,000**
Specifications								1	60	60	15	24	15	6		60	$ 9,000
Project Management								**1**		**80**					**80**	**80**	**$ 12,000**
QC/QA, PDT Meetings, Client & Agency Coordination								1	80	80					80	80	$ 12,000
Construction Support Services and As-built Preparation								**1**		**160**					**160**	**160**	**$ 24,000**
Preparing CCO plans, submittal review, RFI's, Record Drawings								1	160	160					160	160	$ 24,000
Total										**1,760**	**380**	**608**	**380**	**152**	**240**	**1,760**	**$ 264,000**
										1,760	**380**	**608**	**380**	**152**	**240**	**1,760**	**$ 264,000**

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.9
Meeting Date: October 9, 2024

SUBJECT: Marriott Hotel Precise Grading and BMP Agreements

SUBMITTED BY: Ninette Eva, Associate Engineer

PREPARED BY: Ninette Eva, Associate Engineer

ACTION:
Authorize the City Manager to execute the Precise Grading Agreement and BMP Agreement with Wildomar DCW, LP.

SUMMARY:
The Developer is required to enter into a precise grading agreement to complete precise grading activities and a BMP agreement to guarantee long-term maintenance of water quality improvements.

BACKGROUND:
On April 14, 2021, the City Council approved the final map for Tentative Parcel Map No. 37941, as part of the Baxter Village Project. The parcel map consists of three separate parcels. Parcel 1 is for the medical office building site (Kaiser Medical Office Building), Parcel 2 is planned for a hotel, and Parcel 3 is planned for a water quality basin. Parcel 2 is the site for the proposed Marriott Hotel (Project). The precise grading plans for the hotel are currently in review and the Project Developer, Wildomar DCW, LP (Developer), is preparing to begin grading soon. An aerial image of the project is provided in Attachment A.

DISCUSSION:
PRECISE GRADING AGREEMENT:
In order to complete the precise grading activities, the Developer is required to enter into a Precise Grading Agreement (Attachment B) which identifies the Developer's obligations to the City in performing and completing the precise grading construction. The agreement also provides the City with a bond to secure the precise grading activities for the project. If the Developer fails to fulfill their obligations, the bond provides a mechanism for the City to ensure that the construction site is brought to a safe and acceptable condition.

The bond amount is based on the Developer's engineer's grading bond estimate shown as part of Attachment D. Staff recommends that the City Council authorize the City Manager to execute the Precise Grading Agreement with the Developer.

BMP AGREEMENT
The Developer is also required to enter into Stormwater Management/BMP Facilities Agreements for privately maintained BMPs (BMP Agreement, Attachment C) with the City. The BMP Agreement identifies the maintenance responsibilities of the Developer to ensure that the Water Quality Management Plan (WQMP) BMPs that are constructed with this

development continue to be maintained in the future.

Staff is requesting that the City Council authorize the City Manager to execute the Precise Grading Agreement and BMP Agreement with Wildomar DCW, LP.

FISCAL IMPACT:
There are no fiscal impacts to the City at this time. All costs related to this process are covered by developer deposits and/or developer fees.

ATTACHMENTS:
A - Aerial Map
B - Marriott Grading Agreement
C - Marriott BMP Facilities Agreement Private
D - Construction Cost Worksheet

ATTACHMENT A

Aerial Image of
Baxter Village Marriott Hotel Project
TPM No. 37941(highlighted in yellow)

AGREEMENT
FOR GRADING PROJECTS

This Agreement, made and entered into by and between the City of Wildomar, Riverside County, State of California, hereinafter called City, and Wildomar DCW, LP, A California Limited Partnership hereinafter called Landowner.

WITNESSETH

FIRST: Landowner, for and in consideration of the approval of a grading plan and the issuance of a grading permit on that certain land division known as Parcel 2 and Parcel 3 of PM 37941 (the "Property") agrees, at Landowner's own cost and expense, to furnish all labor, equipment, and material necessary to perform and complete in a good and workmanlike manner, within 12 months from the date this agreement is executed, said grading and all work incidental thereto (the "Work") in accordance with the grading plans for the development of the Property which have been approved by the City Engineer, and are on file in the Office of the City of Wildomar, Public Works/Engineering Department, and the standards set forth in Wildomar Municipal Code Chapter 15, as it may be amended from time to time, which are expressly made a part of this agreement. Landowner further agrees to comply with any and all laws, regulations and permits pertaining to water quality applicable to the Work, including but not limited to the Clean Water Act, the Porter-Cologne Water Quality Control Act, and all permits and regulations issued pursuant thereto. All of the above required work shall be done under the inspection of and to the satisfaction of the City Engineer and shall not be deemed complete until approval of the Work is made by the City Engineer. The estimated cost of said Work is the sum of Eighty Six Thousand Dollars ($86,000.00), which covers precise grading only.

SECOND: Landowner agrees to pay to the City the actual cost of such inspections of the Work as may be required by the City Engineer. Landowner further agrees that if suit is brought upon this agreement or any security guaranteeing the completion of the Work, all costs and reasonable expenses and fees incurred by the City in successfully enforcing such obligations shall be paid by Landowner, including reasonable attorney's fees, and that upon entry of judgment, such costs, expenses, and fees shall be taxed as costs and included in any judgment rendered.

THIRD: City shall not, nor shall any officer or employee of City, be liable or responsible for any accident, loss or damage happening or occurring to the Work specified in this agreement prior to the completion and approval hereof, nor shall City or any officer or employee thereof be liable for any persons or property injured by reason of the acts or omissions of Landowner, his agents or employees in the performance of the Work, and all of said liabilities are assumed by Landowner. Landowner agrees to protect, defend and hold harmless City and the officers and employees thereof from all loss, liability or claim because of, or arising out of the acts or omissions of Landowner, his agents and employees, in the performance of this Agreement. Separately, and not as a limitation on the foregoing duty to protect, defend, and indemnify City, Landowner agrees, as required by Section 13.12.090 of the Wildomar Municipal Code, to protect, defend and indemnify City, or any officer or employee thereof, in any administrative or judicial enforcement action by the State Water Board, Regional Water Quality Control Board, or any other federal, state or local agency, as well as in any action brought against the City by a non-governmental organization relating to one or more alleged violations of the NPDES permit or other federal, state or local water quality requirements by Landowner, his agents or employees, including but not limited to any and all costs, attorneys' fees, fines or penalties.

FOURTH: The Landowner hereby grants to the City, and to any agent or employee of the City, the irrevocable permission to enter upon the Property for the purpose of inspecting or completing the Work. This permission shall terminate in the event that Landowner has completed the Work within the time specified or any extension thereof granted by the City Engineer.

FIFTH: Landowner agrees at all times, up to the completion and approval of the Work by the City Engineer, to give good and adequate warning to the traveling public of each and every dangerous condition caused by the Work, and to protect the traveling public from such defective or dangerous conditions.

SIXTH: The Landowner, or his agents and employees shall give notice to the City Engineer at least 48 hours before beginning the Work and shall furnish the City Engineer all reasonable facilities for obtaining full information respecting the progress and manner of the Work.

SEVENTH: If the Landowner, or his agents or employees, neglects, refuses, or fails to prosecute the Work with such diligence as to insure its completion within the specified time, or within such extensions of time as have been granted by the City Engineer, or if the Landowner violates, neglects, refuses, or fails to perform satisfactorily any of the provisions of the plans and specifications for the Work, the Landowner shall be in default of this agreement. The City Engineer shall have the power to terminate all rights of the Landowner because of such default. The determination of the City Engineer of the question as to whether any of the terms of this agreement or the plans and specifications for the Work have been violated or have not been performed satisfactorily shall be conclusive upon the Landowner, and any and all parties who may have any interest in the agreement or any portion thereof. The foregoing provisions of this section shall be in addition to all rights and remedies available to the City under law.

EIGHTH: The Landowner agrees to file with City prior to the date this agreement is executed a good and sufficient security as provided in subsections (1), (2) and (3) of subdivision (a) of Section 66499 of the Government Code in any amount not less than the estimated cost of the Work for the faithful performance of the terms and conditions of this agreement, except that when the estimated cost of said Work is $2,500 or less, the security shall be a deposit of cash or its equivalent as determined acceptable by the City Engineer. Landowner further agrees that if in the opinion of the City Engineer the security becomes insufficient, Landowner agrees to renew each and every security with good and sufficient sureties or increase the amount of the security, within ten days after being notified by the City Engineer that the sureties or amounts are insufficient.

Notwithstanding any other provision herein, if landowner fails to take such action as is necessary to comply with said notice, he shall be in default of this agreement unless the Work is completed within 90 days of the date on which the City Engineer notifies the Landowner of the insufficiency of the sureties or the amount of the bonds or both.

NINTH: It is further agreed by and between the parties hereto, including the surety or sureties on the bonds or the issuers of any instruments or letters or credit securing this agreement that, in the event it is deemed necessary to extend the time of completion of the Work, extensions of time may be granted from time to time by the City Engineer either at his own option or upon request of the Landowner, and such extensions shall in no way affect the validity of this agreement or release the surety or sureties on said bonds. Landowner further agrees to maintain the aforesaid bond or bonds or the issuance of any instruments or letters of credit in full force and effect during the terms of this agreement, including any extensions of time as may be granted thereon.

TENTH: When the Work described in the first paragraph of this agreement consists of only rough or precise grading, upon the satisfactory completion and final approval of said Work by the City Engineer, the entire amount of the security applicable thereto shall be released or returned by City to the Landowner.

ELEVENTH: This agreement shall be binding upon the Landowner and his heirs, executors, administrators, successors or assigns, all and each both jointly and severally.

TWELFTH: It is understood and agreed by the parties hereto that if any part, term or provision of this agreement is determined by the courts to be unlawful and void, the validity of the remaining portions shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the agreement did not contain the particular part, term or provision held to be invalid.

THIRTEENTH: The City's City Manager may, but is not required to, make minor amendments not affecting substantive terms without further authorization from the City Council. The City Council hereby authorizes the City Manager to

execute any such amendments as required by this Agreement or that do not otherwise reduce City's rights under this Agreement.

FOURTEENTH: Any notice or notices required or permitted to be given pursuant to this agreement shall be served on the other party by mail, postage prepaid, at the following addresses:

City	**Landowner**
City of Wildomar	Wildomar DCW, LP
Public Works/Engineering Department	1677 Grandview
23873 Clinton Keith Rd., Suite 201	Costa Mesa, CA 92627
Wildomar, CA 92595	
(951) 677-7751	Phone Number: (714) 918-4901
(951) 698-1463	

FIFTEENTH: Each of the signatories hereto represents and warrants that he or she is competent and authorized to enter into this Agreement on behalf of the Party for whom he or she purports to sign. Each Party hereto agrees to defend, indemnify, and hold harmless the other Parties hereto against all claims, suits, actions, and demands, including necessary expenses of investigation and reasonable attorneys' fees and costs, arising out of claims that its signatory was not competent or so authorized to sign this Agreement.

[SIGNATURES ON THE FOLLOWING PAGE]

IN WITNESS WHEREOF LANDOWNER HAS AFFIXED HIS NAME, ADDRESS AND SEAL.

Wildomar DCW, LP

_____

By: Ronald E. Darling
President

Date _____

_____

By: Joseph C. Cheng
Secretary

Date _____

City of Wildomar

By _____
_____
Date _____

Approved as to Form:
Thomas D. Jex, City Attorney

By: _____

(SIGNATURES OF LANDOWNER(S) MUST BE ACKNOWLEDGED BY A NOTARY AND EXECUTED IN DUPLICATE, WITH THE NOTARY ACKNOWLEDGMENT ATTACHED HERETO. ALL SIGNATURES TO BE INCLUDED ON THIS DOCUMENT OR IDENTIFY THIS DOCUMENT WHEN INCLUDING A SIGNATURE PAGE.)

STORMWATER MANAGEMENT/BMP
FACILITIES AGREEMENT

THIS AGREEMENT, made and entered into this 9th day of October, 2024 , by and between Wildomar DCW, LP, A California Limited partnership (the "Landowner"), and the City of Wildomar, a municipal corporation (the "City").

RECITALS

WHEREAS, the Landowner is the owner of certain real property described as Parcel 2 and Parcel 3 of PM 37941 as recorded in the land records of Riverside County, California, Parcel Map Book 251, Pages 41-44, (the "Property").

WHEREAS, the Landowner is proceeding to build on and develop the Property; and

WHEREAS, the Site Plan/Subdivision Plan known as Parcel 2 and Parcel 3 of PM 37941, as approved or to be approved by the City (the "Plan"), which is incorporated herein by reference, provides for stormwater quality treatment within the confines of the property; and

WHEREAS, the City and the Landowner, its successors and assigns, including any homeowners association, agree that the health, safety, and welfare of the residents of Wildomar, California, require that the Landowner, its successors and assigns, including but not limited to any homeowners association, construct and maintain stormwater management/Best Management Practices facilities (the "Facilities") on the Property.

NOW, THEREFORE, in consideration of the foregoing recitals, the mutual covenants contained herein, and the following terms and conditions, the parties hereto agree as follows:

1. The Facilities shall be constructed by the Landowner, its successors and assigns, in accordance with the plans and specifications identified in the Plan.

2. The Landowner, its successors and assigns, including any homeowners association, shall adequately maintain the Facilities, including all pipes and channels built to convey stormwater to the Facilities, as well as all structures, improvements, and vegetation provided to control the quantity and quality of the stormwater. Adequate maintenance is herein defined as good working condition so that the Facilities are performing their designed functions.

3. The Landowner, its successors and assigns, shall inspect the Facilities and submit an inspection report annually to the City. The purpose of the inspection is to assure safe and proper functioning of the Facilities. The inspection shall cover the entire Facilities, including but not limited to berms, outlet structures, pond areas, and access roads. Deficiencies in the Facilities shall be noted in the inspection report.

4. The Landowner, its successors and assigns, hereby grant permission to the City, its authorized agents and employees, to enter upon the Property and to inspect the Facilities whenever the City deems necessary. The City shall provide the Landowner, its successors and assigns, copies of the inspection findings and a directive to commence repairs, if necessary.

5. In the event the Landowner, its successors and assigns, fails to adequately maintain the Facilities in good working condition acceptable to the City, the City may enter upon the Property and take whatever steps necessary to correct deficiencies identified in the inspection report and to charge the costs of such repairs to the Landowner, its successors and assigns. This provision

shall not be construed to allow the City to erect any structure of permanent nature on the land of the Landowner outside of the easement for the Facilities. It is expressly understood and agreed that the City is under no obligation to routinely maintain or repair the Facilities, and in no event shall this Agreement be construed to impose any such obligation on the City.

6. The Landowner, its successors and assigns, will perform the work necessary to keep the Facilities in good working order. In the event a maintenance schedule for the Facilities (including sediment removal) is contained in the Plans, Landowner will follow that schedule.

7. In the event the City, pursuant to this Agreement, performs work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the Landowner, its successors and assigns, shall reimburse the City upon demand, within thirty (30) days of receipt thereof for all actual costs incurred by the City hereunder.

8. This Agreement imposes no liability of any kind whatsoever on the City and the Landowner agrees to hold the City harmless, defend and indemnify from any liability whatsoever, including negligence, in the event the Facilities fail to operate properly.

9. This Agreement shall be recorded among the land records of Riverside County, California, and shall constitute a covenant running with the land, and shall be binding on the Landowner, its administrators, executors, assigns, heirs and any other successors in interests, including any homeowners association.

10. The City's City Manager may, but is not required to, make minor amendments not affecting substantive terms without further authorization from the City Council. The City Council hereby authorizes the City Manager to execute any such amendments as required by this Agreement or that do not otherwise reduce City's rights under this Agreement.

11. Each of the signatories hereto represents and warrants that he or she is competent and authorized to enter into this Agreement on behalf of the Party for whom he or she purports to sign. Each Party hereto agrees to defend, indemnify, and hold harmless the other Parties hereto against all claims, suits, actions, and demands, including necessary expenses of investigation and reasonable attorneys' fees and costs, arising out of claims that its signatory was not competent or so authorized to sign this Agreement.

WITNESS the following signatures and seals:

Wildomar DCW, LP

_____

By: Ronald E. Darling
President

Date _____

RIV #4813-1696-2656 v2

_____

By: Joseph C. Cheng
Secretary

Date _____

NOTE: SIGNATURES SHALL BE DULY NOTARIZED, AND APPROPRIATE ATTESTATIONS SHALL BE INCLUDED AS MAY BE REQUIRED BY THE BYLAWS, ARTICLES OF INCORPORATION, OR OTHER RULES OR REGULATIONS APPLICABLE TO THE BUSINESS ENTITY.

CITY OF WILDOMAR

_____ _____
Daniel York Date
City Manager

ATTEST

_____ _____
Janet Morales Date
City Clerk

APPROVED AS TO FORM

_____ _____
Thomas D. Jex Date
City Attorney

RIV #4813-1696-2656 v2

CITY OF WILDOMAR
CONSTRUCTION COST WORKSHEET
OFF-SITE DRAINAGE

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
DRAINAGE				
Concrete Bulkhead	6	EA.	$ 200.00	$ 1,200.00
Slope Anchors or Collars for Pipes	2	EA.	$ 300.00	$ 600.00
Cut Off Wall (Std 4')	12	C.Y.	$ 1,000.00	$ 12,000.00
A. C. Overside Drain		EA.	$ 500.00	$ 0.00
Under Sidewalk Drain Std 309		EA	$ 2,000.00	$ 0.00
Flat Outlet Drainage Structure Std 303		EA	$ 2,000.00	$ 0.00
Curb Outlet Drainage Structure Std 308		EA	$ 2,000.00	$ 0.00
Terrace Drain & Down Drain		S.F.	$ 6.50	$ 0.00
Interceptor Drain		S.F.	$ 6.50	$ 0.00
R.C. Box Culvert		C.Y.	$ 400.00	$ 0.00
Concrete Channel		C.Y.	$ 200.00	$ 0.00
Rip Rap (1/4 Ton) Methob B	44	C.Y.	$ 130.00	$ 5,720.00
Rip Rap (1/2 Ton) Methob B		C.Y.	$ 180.00	$ 0.00
Rip Rap (1 Ton) Method B		C.Y.	$ 230.00	$ 0.00
Rip Rap (2 Ton) Method B		C.Y.	$ 270.00	$ 0.00
Grouted Rip Rap (1/4 Ton) Method B		C.Y.	$ 60.00	$ 0.00
Grouted Rip Rap (1/2 Ton) Method B		C.Y.	$ 67.00	$ 0.00
Grouted Rip Rap (1 Ton) Method B		C.Y.	$ 75.00	$ 0.00
Grouted Rip Rap (2 Ton) Method B		C.Y.	$ 80.00	$ 0.00
18" R.C.P. round, arch or elliptical	23	L.F.	$ 120.00	$ 2,760.00
24" R.C.P. round, arch or elliptical	1211	L.F.	$ 150.00	$ 181,650.00
30" R.C.P. round, arch or elliptical	5	L.F.	$ 180.00	$ 900.00
36" R.C.P. round, arch or elliptical	56	L.F.	$ 260.00	$ 14,560.00
42" R.C.P. round, arch or elliptical		L.F.	$ 350.00	$ 0.00
48" R.C.P. round, arch or elliptical		L.F.	$ 430.00	$ 0.00
54" R.C.P. round, arch or elliptical	1041	L.F.	$ 550.00	$ 572,550.00
66" R.C.P. round, arch or elliptical	22	L.F.	$ 650.00	$ 14,300.00
18" C.S.P. or HDPE N12		L.F.	$ 40.00	$ 0.00
24" C.S.P. or HDPE N12		L.F.	$ 50.00	$ 0.00
30" C.S.P. or HDPE N12		L.F.	$ 60.00	$ 0.00
36" C.S.P. or HDPE N12		L.F.	$ 70.00	$ 0.00
42" C.S.P. or HDPE N12		L.F.	$ 80.00	$ 0.00
48" C.S.P. or HDPE N12		L.F.	$ 100.00	$ 0.00
54" C.S.P. HDPE Or Equal		L.F.	$ 110.00	$ 0.00
96" Subsurface Storage System		L.F.	$ 550.00	$ 0.00
Catch Basin W=3.5'		EA.	$ 2,500.00	$ 0.00
Catch Basin W=7'	1	EA.	$ 4,000.00	$ 4,000.00
Catch Basin W=21'	1	EA.	$ 15,000.00	$ 15,000.00
Grating Catch Basin Std 305-4		EA.	$ 2,500.00	$ 0.00
Local Depressions	2	EA.	$ 2,000.00	$ 4,000.00
Remove Existing Storm Drain Structure	536	LF	$ 50.00	$ 26,800.00
Junction Structure No. 1		EA.	$ 3,500.00	$ 0.00
Junction Structure No. 2		EA.	$ 4,500.00	$ 0.00
Junction Structure No. 6		EA.	$ 5,000.00	$ 0.00
Transition Structure No. 1		EA.	$ 12,500.00	$ 0.00
Transition Structure No. 2		EA.	$ 12,500.00	$ 0.00
Transition Structure No. 3		EA.	$ 4,500.00	$ 0.00
Manhole No. 1	8	EA.	$ 5,000.00	$ 40,000.00
Manhole No. 2	2	EA.	$ 5,000.00	$ 10,000.00
Manhole No. 4	3	EA.	$ 6,500.00	$ 19,500.00
Full Trash Capture Device-Connector Screen	2	EA.	$ 1,000.00	$ 2,000.00
Drop inlet (CB110)		EA.	$ 4,000.00	$ 0.00

6" Concrete Apron		202	S.F.	$	12.00	$ 2,424.00
Slurry Backfill Per RCFC&WCD STD. DWG. M815		156	S.F.	$	50.00	$ 7,800.00
Structural Reinforcement Concrete			C.Y.	$	400.00	$ 0.00
Caltrans Wingwall D90		3	EA.	$	8,000.00	$ 24,000.00
Movilization (if Subtotal is less than $20,000)			LS	$	10,000.00	$ 0.00
	A.	**Subtotal**				$ **961,764.00**
	B.	Administrative Contingency (20% x A)				$ 192,352.80
	C.	**Drainage Total (A + B)**				$ **1,154,116.80**

Joseph Castaneda

Digitally signed by Joseph Castaneda
DN: C=US, E=joe@jlcengineering.com, O=JLC Engineering & Consulting, CN=Joseph Castaneda
Date: 2024.09.27 15:15:31-07'00'

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.10
Meeting Date: October 9, 2024

SUBJECT: Public Improvement Agreement for Offsite Storm Drain for Wildomar Commerce Center

SUBMITTED BY: Ninette Eva, Associate Engineer

PREPARED BY: Ninette Eva, Associate Engineer

ACTION:
Authorize the City Manager to execute the Public Improvement Agreement for Offsite Storm Drain with White Sable, LLC and Wildomar One, LLC (Developer).

SUMMARY:
The Developer is required to enter into a public improvement agreement for the construction of offsite public storm drains related to their development project. The agreement identifies the Developer's obligations to the City in performing and completing the construction and provides the City with a bond to secure the construction of offsite storm drain improvements for the project.

BACKGROUND:
Wildomar Commerce Center (Project) is located at the southwest corner of Elizabeth Lane and Clinton Keith Road. The proposed Project was reviewed under Substantial Conformance No. 22-0085. The Project is a development consisting of a 293,173 square-foot industrial/business park, including ancillary service commercial uses. An aerial image of the project site and the surrounding area is provided in Attachment A. The developer is currently completing mass grading of the site and anticipates beginning work on offsite storm drain improvements soon.

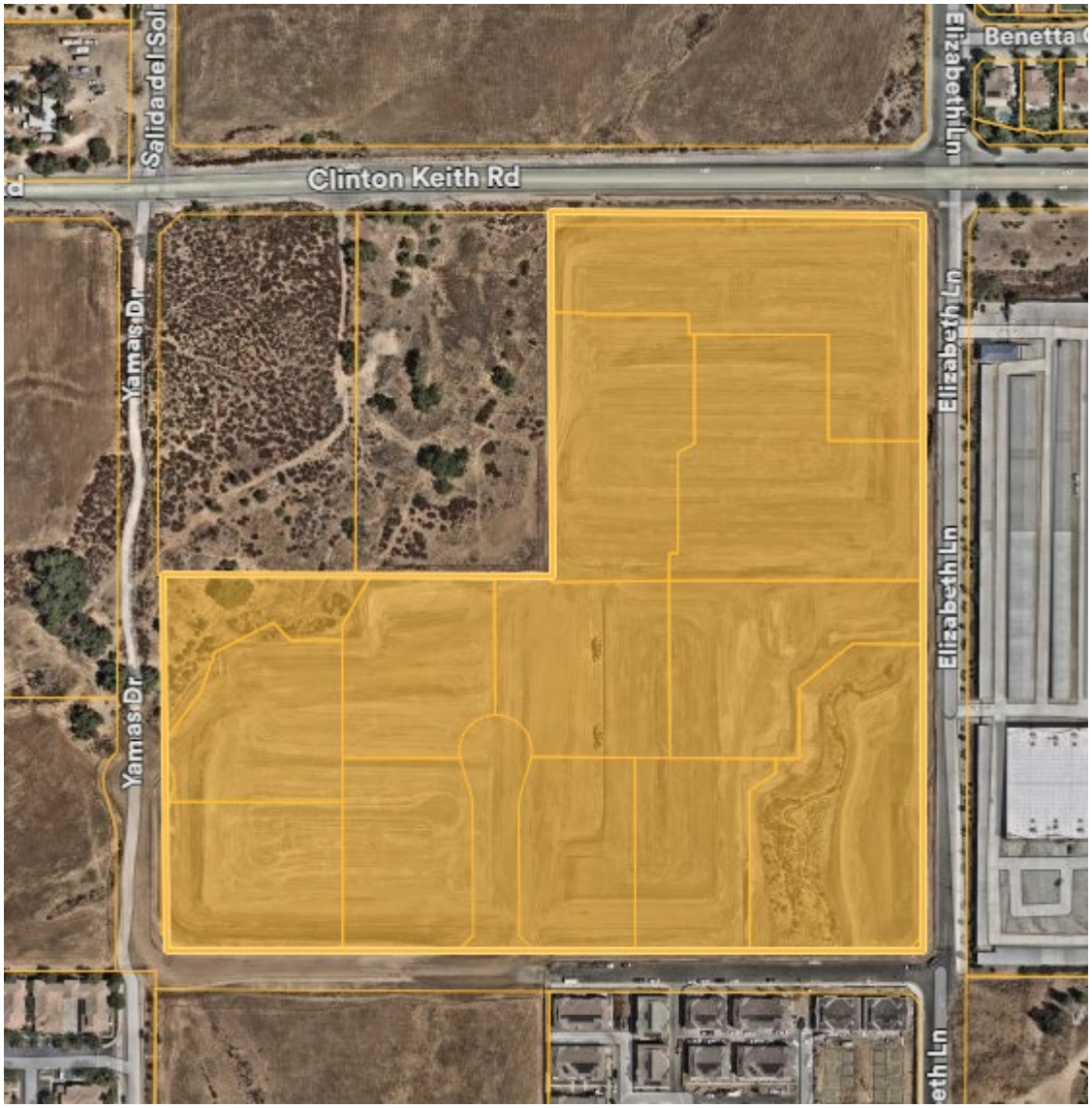
DISCUSSION:
In order to begin the offsite storm drain improvement construction, the Developer is required to enter into a Public Improvement Agreement for Offsite Storm Drain (Attachment B) which identifies the Developer's obligations to the City in performing and completing the offsite storm drain construction. The agreement also provides the City with a bond to secure the offsite storm drain activities for the project. If the Developer fails to fulfill their obligations, the bond provides a mechanism for the City to ensure that the construction site is brought to a safe and acceptable condition and that the improvements are completed, if warranted. The bond amount is based on the Developer's engineer's offsite storm drain cost estimate shown in Attachment C. Staff recommends that the City Council authorize the City Manager to execute the Public Improvement Agreement for Offsite Storm Drain with the Developer.

FISCAL IMPACT:
There are no fiscal impacts to the City at this time. All costs related to this process are covered by developer fees and deposits.

ATTACHMENTS:

A - Aerial Map
B - Wildomar Commerce PIA for SD
C - Offsite Storm Drain Cost Estimate

ATTACHMENT A



Aerial Image of
Wildomar Commerce Center PM38646
(highlighted in yellow)

NO FEE DOCUMENT Government Code §6103 RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO: **CITY OF WILDOMAR** 23873 Clinton Keith Road, Suite 201 Wildomar, CA 92595 Attn: City Clerk	The Above Space For Recorder's Use Only

Project Name:	Wildomar Commerce Center
Project Address:	Southwest corner of Elizabeth Ln and Clinton Keith Rd.
APN:	380-052-001 through -008 380-250-052 through -056
Project No.:	23-0150

PUBLIC IMPROVEMENT AGREEMENT FOR OFFSITE STORM DRAIN

This Public Improvement Agreement ("Agreement") is entered into this 9th day of October, 2024 by and between the City of Wildomar, a California municipal corporation ("City") and White Sable, a California limited liability company ("White Sable") and Wildomar One, a Delaware limited liability company, ("Wildomar One"). White Sable and Wildomar One, and each of them, are jointly and severally obligated under this Agreement, and referred to herein, collectively, as the "Principal." City and Principal may be individual or collectively referred to as a "party" or the "parties" to this Agreement.

RECITALS

A. Principal owns the real property located at the southwest corner of Elizabeth Lane and Clinton Keith Road, in the City of Wildomar, California, which is more particularly described in Exhibit "A" to this Agreement ("Property").

B. Principal has applied for and obtained certain development approvals from the City to develop the Property. The development approvals and City ordinances require Principal to construct certain public improvements and dedicate those public improvements to the City after construction is complete.

C. This Agreement memorializes the understanding between the parties regarding the terms and conditions under which Principal will construct and City will accept the required public improvements.

OPERATIVE PROVISIONS

NOW, THEREFORE, in consideration of the mutual promises and covenants made by the parties and contained here and other consideration, the value and adequacy of which are hereby acknowledged, the parties agree as follows:

1. Construction of Improvements. The Principal agrees to construct and install on the Property, at the Principal's own cost and expense, the public improvements shown on the improvement plans submitted by Principal and approved by the City as referenced and contained within this Public Improvement Agreement ("Required Improvements").Prior to commencing any work, Principal shall, at its sole cost and expense, obtain all necessary permits and approvals and give all necessary and incidental notices required for the lawful construction of the Required Improvements and performance of Principal's obligations under this Agreement. The Required Improvements shall be constructed in accordance with all approved maps, plans, specifications, standard drawings, and special amendments thereto on file with City, as well as all applicable federal, state, and local laws, ordinances, regulations, codes, standards, and other requirements applicable at the time work is actually commenced. Principal shall complete the construction of the Required Improvements within twelve months of the date of this Agreement.

a. Standard of Performance. Principal and its contractors, if any, shall perform all work required to construct the Required Improvements under this Agreement in a skillful and workmanlike manner, and consistent with the standards generally recognized as being employed by professionals in the same discipline in the State of California. Principal represents and maintains that it or its contractors shall be skilled in the professional calling necessary to perform the work. Principal warrants that all of its employees and contractors shall have sufficient skill and experience to perform the work assigned to them, and that they shall have all licenses, permits, qualifications and approvals of whatever nature that are legally required to perform the work, and that such licenses, permits, qualifications and approvals shall be maintained throughout the term of this Agreement.

b. Alterations to Improvements. All work shall be done and improvements made and completed as shown on approved plans and specifications, and any subsequent alterations thereto. If during the course of construction and installation of the Required Improvements it is determined that the public interest requires alterations in the Required Improvements, Developer shall undertake such design and construction changes as may be reasonably required by City. Any and all alterations in the plans and specifications and the Required Improvements to be completed may be accomplished without giving prior notice thereof to Developer's surety for this Agreement.

c. Fees and Charges. Principal shall, at its sole cost and expense, pay all fees, charges, and taxes arising out of construction of the Required Improvements, including, but not limited to, all plan check, design review, engineering, inspection, and other service fees, and any impact or connection fees established by City ordinance, resolution, regulation, or policy, or as established by City or as required by other governmental agencies having jurisdiction over the Required Improvements.

2. Commencement of Work. The Principal shall notify the City Engineer of the commencement of work on the Required Improvements.

3. Completion of Improvements. Upon satisfactory completion of all Required Improvements as determined by the City Engineer or his or her designee (hereafter the "City Engineer"), Principal shall offer to dedicate the Required Improvements to the City, and City agrees to accept that offer of dedication in accordance with its policies and procedures and the terms of this Agreement.

4. Title to Required Improvements. The City shall not accept the Required Improvements unless they are constructed in conformity with the approved plans and specifications, approved modifications, if any, the approved final or parcel map, and City Improvement Standards and Specifications, to the satisfaction of the City Engineer. Until such time as the Required Improvements are accepted by the City, Principal shall retain title and shall be responsible for, and bear the risk of loss to, any of the improvements constructed or installed. Title to and ownership of the Required Improvements shall vest absolutely in the City upon completion and acceptance in writing of such Required Improvements by City. The City shall not accept the Required Improvements unless title to the Required Improvements is entirely free from lien. Prior to acceptance, Principal shall supply the City with appropriate lien releases, at no cost to and in a form acceptable to the City.

a. Developer's Notice of Completion. Upon the acceptance of the Required Improvements by City, Principal shall file with the Recorder's Office of the County of Riverside a notice of completion for the accepted Required Improvements in accordance with Article 2 of Chapter 4 of Title 2 of Part 6 of Division 4 of the Civil Code, at which time the accepted Required Improvements shall become the sole and exclusive property of City without payment therefor.

b. City Acceptance of Public Improvements. Issuance by City of occupancy permits for any buildings or structures located on the Property shall not be construed in any manner to constitute City's acceptance or approval of any Required Improvements.

c. Developer's Obligation to Provide As-Built or Record Drawings. Notwithstanding the foregoing, City may not accept any Required Improvements unless and until Principal provides one (1) set of "as-built" or record drawings or plans to the City Engineer for all such Required Improvements. The drawings shall be certified and shall reflect the condition of the Required Improvements as constructed, with all changes incorporated therein.

5. Extension of Time to Complete Improvements.

a. The City Engineer may extend the date for completing the Required Improvements. Extensions shall be granted only upon a showing of good cause by the Principal. The City Engineer shall be the sole and final judge as to whether good cause has been shown.

b. Requests for extension of the completion date shall be in writing and delivered to the City Engineer in the manner hereinafter specified for service of notices. An extension of time, if any, shall be granted only in writing, and an oral extension shall not be valid or binding on the City.

c. In the event the City Engineer extends the time of completion of the Required Improvements, such extension may be granted without notice by the City to the Principal's surety and shall in no way release any guarantee or security given by the Principal pursuant to this Agreement, or relieve or release those providing an improvement security pursuant to this Agreement. The surety or sureties, if any, in executing the securities shall be deemed to have expressly agreed to any such extension of time.

d. In granting any extension of time, the City may require new or amended improvement security to reflect increases in the estimated costs of constructing the Required Improvements or impose other conditions to protect its interests and ensure the timely completion of the Required Improvements.

6. Inspection. Principal shall at all times maintain proper facilities and safe access for inspection of the Required Improvements by City and to the shops wherein any work is in preparation. Upon completion of the work, the Principal may request a final inspection by the City Engineer or his designee. If the City Engineer or the designated representative determines that the work has been completed in accordance with this Agreement, then the City Engineer shall certify the completion of the Required Improvements to the City. No improvements shall be finally accepted unless all aspects of the work have been inspected and determined to have been completed in accordance with the Improvement Plans and City standards. Principal shall bear all costs of plan check, inspection and certification.

7. Maintenance of Improvements. City shall not be responsible or liable for the maintenance or care of the Required Improvements until City formally approves and accepts them in accordance with its policies and procedures. City shall exercise no control over the Required Improvements until approved and accepted. Any use by any person of the Required Improvements, or any portion thereof, shall be at the sole and exclusive risk of the Principal at all times prior to City's acceptance of the Required Improvements. Principal shall maintain all the Required Improvements in a state of good repair until they are completed by Principal and approved and accepted by City, and until the security for the performance of this Agreement is released. Maintenance shall include, but shall not be limited to, repair of pavement, curbs, gutters, sidewalks, signals, parkways, water mains, and sewers; maintaining all landscaping in a vigorous and thriving condition reasonably acceptable to City; removal of debris from sewers and

storm drains; and sweeping, repairing, and maintaining in good and safe condition all streets and street improvements. It shall be Principal's responsibility to initiate all maintenance work, but if it shall fail to do so, it shall promptly perform such maintenance work when notified to do so by City. If Principal fails to properly prosecute its maintenance obligation under this section, City may do all work necessary for such maintenance and the cost thereof shall be the responsibility of Principal and its surety under this Agreement. City shall not be responsible or liable for any damages or injury of any nature in any way related to or caused by the Required Improvements or their condition prior to acceptance. Until final acceptance of the Required Improvements, Principal shall give good and adequate warning to the public of each and every dangerous condition existing on the Property, and will take reasonable actions to protect the public from such dangerous conditions.

8. Superintendence by Principal. Principal shall require each contractor and subcontractor to have a competent foreman on the job at all times when that contractor or subcontractor, or any employee or agent thereof, is performing work on the Required Improvements. In addition, Principal shall maintain an office with a telephone and Principal or a person authorized to make decisions and to act for Principal in Principal's absence shall be available on the job site within three (3) hours of being called at such office by the City during the hours of 9:00 A.M. through 5:00 P.M., Monday through Friday, or any other day or time when work is being performed on the Required Improvements.

9. Injury to Public Improvements, Public Property or Public Utilities Facilities. Principal shall replace or repair, or have replaced or repaired, all public improvements, public utility facilities, and surveying or subdivision monuments which are destroyed or damaged in the performance of any work under this Agreement. Principal shall bear the entire cost of replacement or repairs of any and all public or private utility property damaged or destroyed in the performance of any work done under this Agreement, whether such property is owned by the United States or any agency thereof, or the State of California, or any agency or political subdivision thereof, or by the City or any public or private utility corporation or by any combination of such owners. Any repair or replacement shall be to the satisfaction of the City Engineer.

10. Warranty. If, within a period of one year after final acceptance by the City of the Required Improvements, any improvement or part of any improvement furnished and/or installed or constructed, or caused to be installed or constructed by Principal, or any of the work done under this Agreement materially fails to fulfill any of the requirements of this Agreement or the specifications referred to herein, Principal shall without delay and without any cost to City, repair, replace or reconstruct any defective or otherwise unsatisfactory part or parts of the improvements. If the Principal fails to act promptly or in accordance with this requirement, or if the exigencies of the situation require repairs or replacements to be made before the Principal can be notified, then the City may, at its option, make the necessary repairs or replacements or perform the necessary work, and Principal shall pay to City the actual cost of such repairs plus fifteen percent (15%) within thirty (30) days of the date of billing for such work by City. As to any Required Improvements which have been repaired, replaced, or reconstructed during the Warranty, Principal and its surety hereby agree to extend the

Warranty for an additional one (1) year period following City's acceptance of the repaired, replaced, or reconstructed Required Improvements. Nothing herein shall relieve Principal from any other liability it may have under federal, state, or local law to repair, replace, or reconstruct any Required Improvement following expiration of the Warranty or any extension thereof. Principal's warranty obligation under this section shall survive the expiration or termination of this Agreement.

11. Defense, Indemnification and Hold Harmless. Principal shall defend, indemnify, and hold harmless City, its elected officials, officers, employees, and agents from any and all actual or alleged claims, demands, causes of action, liability, loss, damage, or injury, to property or persons, including wrongful death, whether imposed by a court of law or by administrative action of any federal, state, or local governmental body or agency, arising out of or incident to any acts, omissions, negligence, or willful misconduct of Principal, its personnel, employees, agents, or contractors in connection with or arising out of construction or maintenance of the Required Improvements, or performance of this Agreement. This indemnification includes, without limitation, the payment of all penalties, fines, judgments, awards, decrees, attorneys' fees, and related costs or expenses, and the reimbursement of City, its elected officials, officers, employees, and/or agents for all legal expenses and costs incurred by each of them. This indemnification excludes only such portion of any claim, demand, cause of action, liability, loss, damage, penalty, fine, or injury, to property or persons, including wrongful death, which is caused solely and exclusively by the gross negligence or willful misconduct of City as determined by a court or administrative body of competent jurisdiction. Principal's obligation to indemnify City shall survive the expiration or termination of this Agreement, and shall not be restricted to insurance proceeds, if any, received by City, its elected officials, officers, employees, or agents.

12. Security.

a. Required Security. Concurrently with the execution of this Agreement, the Principal shall furnish the City with:

(1) Faithful Performance Security. Principal shall provide faithful performance security to secure faithful performance of this Agreement ("faithful performance" security). This security shall be in the amount of one hundred percent (100%) of the total estimated cost of the Required Improvements, as determined by the City Engineer, which total cost is in the amount of $**1,154,117.00 (One Million One Hundred Fifty Four Thousand One Hundred Seventeen Dollars and No/100 Dollars)**.

(2) Payment Security. Principal shall also provide payment security to secure payment to the contractors, subcontractors, laborers, material men, and other persons furnishing labor, materials, or equipment for the work ("payment security"). This security shall be in the amount of fifty percent (50%) of the total estimated cost of the Required Improvements, as determined by the City Engineer, which total cost is in the amount of **$ 577,059.00 (Five Hundred Seventy Seven Thousand Fifty Nine Dollars and No/100 Dollars)**, and shall secure the obligations

set forth in Title 1 (commencing with Section 8000) through Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code of the State of California.

(3) Guarantee and Warranty Security. Principal shall also file with this Agreement a "guarantee and warranty security" in the amount of ten percent (10%) of the total estimated cost of the Required Improvements, as determined by the City Engineer, which total cost is in the amount of **$115,412.00 (One Hundred Fifteen Thousand Four Hundred Twelve and No/100 Dollars)** to guarantee and warrant the Required Improvements for a period of one year following their completion and acceptance against any defective work or labor done, or defective materials furnished.

(4) Monument Security. Principal shall also file with this Agreement a "monument security" in the amount of one hundred percent (100%) of the total estimated cost of the installation of survey monuments, as determined by the City Engineer, which total cost is in the amount of **Not Applicable,** to guarantee and secure the placement of such monuments.

b. Additional Requirements.

(1) Any bonds submitted as security pursuant to this section shall be furnished by companies who are authorized and licensed by the Insurance Commissioner of the State of California as "admitted surety insurers," to act as surety upon bonds and undertakings. The company shall maintain in this State at least one office for the conduct of its business. Bonds must be approved by the City. The premiums for said bonds shall be paid by Principal.

(2) The bonds shall be furnished on the forms enclosed following this Agreement and shall be satisfactory to the City.

(3) The surety (or sureties) shall furnish reports as to the financial conditions from time to time as requested by the City.

(4) Alternative forms of security will be allowed upon approval of the City Engineer and shall be approved as to form by the City Attorney. All required securities shall be in a form approved by the City Attorney.

(5) No change, alteration, or addition to the terms of this Agreement or the plans and specifications incorporated herein shall in any manner affect the obligation of the sureties.

(6) The securities shall be irrevocable, shall not be limited as to time (except as to the one-year guarantee and warranty period) and shall provide that they may be released, in whole or part, only upon the written approval of the City Engineer and as provided in this Agreement. All securities provided pursuant to this Agreement shall expressly obligate the surety for any extension of time authorized by the City for Principal's completion of the Required Improvements, whether or not the surety is given notice of such an extension by the City.

(7) The Attorney-in-Fact (resident agent) who executes the securities on behalf of the surety company must attach a copy of his/her Power of Attorney as evidence of his authority. A notary shall acknowledge the power as of the date of the execution of the surety bond that it covers.

c. Principal's Liability. While no action of Principal shall be required in order for City to realize on its security under any security instrument, Principal agrees to cooperate with City to facilitate City's realization under any security instrument, and to take no action to prevent City from such realization under any Security instrument. Notwithstanding the giving of any security instrument or the subsequent expiration of any security instrument or any failure by any surety or financial institution to perform its obligations with respect thereto, Principal shall be personally liable for performance under this Agreement and for payment of the cost of the labor and materials for the improvements required to be constructed or installed hereby and shall, within ten (10) days after written demand therefor, deliver to City such substitute security as City shall require satisfying the requirements in this Section 12.

d. Release of Security.

(1) Guarantee and Warranty Security. Any unused portion of the guarantee and warranty security may be released one year after acceptance of the Required Improvements by the City. The amount to be released shall first be reduced by the amount deemed necessary by the City to correct any defects in the Required Improvements that are known or believed by the City to exist at the end of the guarantee and warranty period. Any unreleased portion of the guarantee and warranty security shall remain in full force and effect unless and until the City notifies Principal in writing that the necessary repairs have been made to the satisfaction of the City Engineer and that the warranty period has been successfully completed.

(2) Payment Security. The payment security may be released thirty-five (35) days after passage of the time within which claims of lien are required to be recorded pursuant to Article 2 of Chapter 4 of Title 2 of Part 6 of Division 4 of the Civil Code (commencing with Section 8410), but in no event shall such security be released prior to one hundred and twenty (120) days after acceptance of the Required Improvements by the City. The amount to be released shall first be reduced by the total of all claims on which an action has been filed and notice thereof given in writing to the City. City expressly may require the surety not to release the amount of security deemed necessary by City to assure payment of reasonable expenses and fees, including reasonable attorney's fees.

(3) Faithful Performance Security. The faithful performance security may be released upon acceptance of the Required Improvements by the City.

(4) Monument Security. The monument security may be released by written authorization of the City Engineer after all required monuments are accepted by the City Engineer, and City has received written acknowledgment of payment in full from the engineer or surveyor who set the monuments.

13. Insurance.

a. **Types; Amounts**. Developer shall procure and maintain, and shall require its contractors to procure and maintain, during construction of any Public Improvement pursuant to this Agreement, insurance of the types and in the amounts described below. If any of the Required Insurance contains a general aggregate limit, such insurance shall apply separately to this Agreement or be no less than two times the specified occurrence limit.

(1) **General Liability**. Developer and its contractors shall procure and maintain Commercial General Liability Insurance no less broad than Insurance Services Office (ISO) form CG 00 01 or equivalent form, with a combined single limit of not less than $3,000,000 per occurrence for bodily injury, personal injury, and property damage. The General Aggregate shall be twice the occurrence limit or shall apply separately to each project. If Developer maintains higher limits than the specified minimum limits, City requires and shall be entitled to coverage for the higher limits maintained by Developer. The General Liability policy shall not contain a Contractors' Warranty or other similar language which eliminates or restricts insurance because of a subcontractor's failure to carry specific insurance or to supply evidence of such insurance

(2) **Business Automobile Liability.** Developer and its contractors shall procure and maintain business automobile liability insurance, or equivalent form, with a combined single limit of not less than $1,000,000 per occurrence. Such insurance shall include coverage for the ownership, operation, maintenance, use, loading, or unloading of any vehicle owned, hired, and non owned by the insured or for which the insured is responsible.

(3) **Workers' Compensation.** Developer and its contractors shall procure and maintain workers' compensation insurance with limits as required by the Labor Code of the State of California and Employers Liability with limits of $1,000,000 per Accident; $1,000,000 Disease per employee; $1,000,000 Disease per policy at all times during which insured retains employees.

(4) **Professional Liability.** For any consultant or other professional who will engineer or design the Public Improvements, liability insurance for errors and omissions with limits not less than $1,000,000 per claim. Such insurance shall be endorsed to include contractual liability. Coverage applicable to the work performed under this agreement shall be continued for five (5) years after completion of the work . Such continuation coverage may be provided by one of the following: (1) renewal of the existing policy; (2) an extended reporting period endorsement; or (3) replacement insurance with a retroactive date no later than the commencement of the work under this agreement.

(5) **Pollution Liability.** Minimum Limits: $1,000,000 per Pollution Incident; $1,000,000 Aggregate; Coverage shall apply to pollution incidents at or from any location at which Developer and its contractors are performing work under this agreement. Any deductible or self-insured retention shall be shown on the

Certificate of Insurance. If the deductible or self-insured retention exceeds $25,000 it shall be approved in advance by the City. Developer and its contractors are responsible for any deductible or self-insured retention and shall fund it upon the City's written request, regardless of whether Developer and its contractors have a claim against the insurance or are named as a party in any action involving the City. The City, its elected officials, officers, employees, agents, and volunteers shall be endorsed as an additional insured for liability arising out of ongoing and completed operations by or on behalf of the Developer and its contractors. Additional insured status shall continue for one (1) year after completion of the work. The insurance provided to the additional insureds shall apply on a primary and non-contributory basis with respect to any insurance or self-insurance program maintained by them. If the insurance is on a Claims-Made basis, the retroactive date shall be no later than the commencement of work. The insurance shall be continued for one (1) year after completion of the work. If the insurance is on a Claims-Made basis, the continuation coverage may be provided by: (a) renewal of the existing policy; (b) an extended reporting period endorsement; or (c) replacement insurance with a retroactive date no later than the commencement of the work.

b. **Deductibles**. Any deductibles or self-insured retentions must be declared to and approved by City. At the option of City, either: (a) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City, its elected officials, officers, employees, agents, and volunteers; or (b) Developer and its contractors shall provide a financial guarantee satisfactory to City guaranteeing payment of losses and related investigation costs, claims, and administrative and defense expenses.

c. **Additional Insured; Separation of Insureds**. The Required Insurance (except Workers' Compensation and Professional Liability) shall name City, its elected officials, officers, employees, agents, and volunteers as additional insureds with respect to work performed by or on behalf of Developer or its contractors, including materials, parts, or equipment furnished in connection therewith City shall be endorsed as an additional insured for liability arising out of ongoing and completed operations by or on behalf of the contractor. City shall continue to be an additional insured for completed operations for (1) year after completion of the work. The policy shall cover inter-insured suits and include a "Separation of Insureds" or "severability" clause which treats each insured separately and shall contain no special limitations on the scope of its protection to City, its elected officials, officers, employees, agents, and volunteers.

d. **Primary Insurance; Waiver of Subrogation**. The General Liability Insurance provided to the additional insured shall be primary to, and non contributory with, any insurance or self insurance program maintained by the City, its elected officials, officers, employees, agents, and volunteers. All policies for the Required Insurance shall provide that the insurance company waives all right of recovery by way of subrogation against City, its elected officials, officers, employees, agents and volunteers.

e. **Certificates; Verification**. Developer and its contractors shall furnish City with original certificates of insurance and endorsements effecting coverage for the Required Insurance. The certificates and endorsements for each insurance

policy shall be signed by a person authorized by that insurer to bind coverage on its behalf. All certificates and endorsements must be received and approved by City before work pursuant to this Agreement can begin. City reserves the right to require complete, certified copies of all required insurance policies, at any time.

f. **Term; Cancellation Notice**. Developer and its contractors shall maintain the Required Insurance for the term of this Agreement and shall replace any certificate, policy, or endorsement which will expire prior to that date. Developer shall provide immediate written notice if (1) any of the required insurance policies is terminated; (2) the limits of any of the required polices are reduced; (3) or the deductible or self insured retention is increased. In the event of any cancellation or reduction in coverage or limits of any insurance, Developer shall forthwith obtain and submit proof of substitute insurance. Should Developer fail to immediately procure other insurance, as specified, to substitute for any canceled policy, the City may procure such insurance at Developer's sole cost and expense.

g. **Insurer Rating**. Unless approved in writing by City, all Required Insurance shall placed with insurers licensed to do business in the State of California and with a current A.M. Best rating of at least A:VIII.

14. Principal Not Agent of City. Neither Principal nor any of Principal's agents, contractors, or subcontractors are or shall be considered to be agents of the City in connection with the performance of Principal's obligations under this Agreement.

15. Default; Notice; Remedies.

a. Notice. If Principal neglects, refuses, or fails to fulfill or timely complete any obligation, term, or condition of this Agreement, or if City determines there is a violation of any federal, state, or local law, ordinance, regulation, code, standard, or other requirement, City may at any time thereafter declare Principal to be in default or violation of this Agreement and make written demand upon Principal or its surety, or both, to immediately remedy the default or violation. Principal shall commence the work required to remedy the default or violation within ten (10) days of the written demand from the City. If the default or violation constitutes an immediate threat to the public health, safety, or welfare, City may provide the demand verbally, and Principal shall commence the required work within twenty-four (24) hours thereof. Immediately upon City's issuance of the demand to remedy the default, Principal and its surety shall be liable to City for all costs of construction and installation of the Required Improvements and all other administrative costs expenses as provided for in Section 9.0 of this Agreement.

b. Failure to Remedy; City Action. If the work required to remedy the noticed default or violation is not diligently prosecuted to a substantial completion acceptable to City within a reasonable time designated by the City, City may complete all remaining work, arrange for the completion of all remaining work, and/or conduct such remedial activity as in its sole and absolute discretion it believes is required to remedy the default or violation. All such work or remedial activity shall be at the sole and absolute cost, expense, and liability of Principal and its surety, without the necessity

of giving any further notice to Principal or surety. City's right to take such actions shall in no way be limited by the fact that Principal or its surety may have constructed any, or none of the required or agreed upon Required Improvements at the time of City's demand for performance. In the event City elects to complete or arrange for completion of the remaining work and improvements, City may require all work by Principal or its surety to cease in order to allow adequate coordination by City. Notwithstanding the foregoing, if conditions precedent for reversion to acreage can be met and if the interests of City will not be prejudiced thereby, City may also process a reversion to acreage and thereafter recover from Principal or its surety the full cost and expense incurred.

c. Other Remedies. No action by City pursuant this section shall prohibit City from exercising any other right or pursuing any other legal or equitable remedy available under this Agreement or any federal, state, or local law. City may exercise its rights and remedies independently or cumulatively, and City may pursue inconsistent remedies. City may institute an action for damages, injunctive relief, or specific performance.

16. Notices. All notices required under this Agreement shall be in writing, and delivered in person or sent by registered or certified mail, postage prepaid.

Notices required to be given to City shall be addressed as follows:

City Engineer
City of Wildomar
23873 Clinton Keith Road, Suite 201
Wildomar, CA 92595

Notices required to be given to Principal shall be addressed as follows:

Bryan Bentrott
White Sable, LLC and Wildomar One, LLC
13 Corporate Plaza Drive, Suite 203
Newport Beach, CA 92660

17. Authority to Execute. Each of the signatories hereto represents and warrants that he or she is competent and authorized to enter into this Agreement on behalf of the Party for whom he or she purports to sign. Each Party hereto agrees to defend, indemnify, and hold harmless the other Parties hereto against all claims, suits, actions, and demands, including necessary expenses of investigation and reasonable attorneys' fees and costs, arising out of claims that its signatory was not competent or so authorized to execute this Agreement.

18. Attorney's Fees. If any arbitration, lawsuit, or other legal action or proceeding is brought by one Party against the other Party in connection with this Agreement, the prevailing party, whether by final judgment or arbitration award, shall be entitled to and recover from the other party all attorney's fees and costs. Any judgment, order, or award entered in such legal action or proceeding shall contain a specific

provision providing for the recovery of attorney's fees and costs.

19. Assignment. Principal shall not assign, hypothecate, or transfer, either directly or by operation of law, this Agreement or any interest herein without prior written consent of City. Any attempt to do so shall be null and void, and any assignee, hypothecatee, or transferee shall acquire no right or interest by reason of such attempted assignment, hypothecation, or transfer. Unless specifically stated to the contrary in City's written consent, any assignment, hypothecation, or transfer shall not release or discharge Developer from any duty or responsibility under this Agreement.

20. Compliance with Laws. Principal, its agents, employees, contractors, and subcontractors shall comply with all federal, state and local laws in the performance of the work required by this Agreement including, but not limited to, obtaining all applicable permits and licenses.

21. Waiver. City's failure to insist upon strict compliance with any provision of this Agreement or to exercise any right or privilege provided herein, or City's waiver of any breach of this Agreement, shall not relieve Principal of any of its obligations under this Agreement, whether of the same or similar type. The foregoing shall be true whether City's actions are intentional or unintentional. Principal agrees to waive, as a defense, counterclaim or set off, any and all defects, irregularities or deficiencies in the authorization, execution or performance of the Required Improvements or this Agreement, as well as the laws, rules, regulations, ordinances or resolutions of City with regards to the authorization, execution or performance of the Required Improvements or this Agreement.

22. No Vesting of Rights. Entering into this Agreement shall not be construed to vest Principal's rights with respect to any change in any zoning or building law or ordinance.

23. Approvals by City; Amendment. No amendment to or modification of this Agreement shall be valid unless made in writing and approved by the Principal and by the City. The Parties agree that the requirement for written modifications cannot be waived and that any attempted waiver shall be void. The City's City Manager may, but is not required to, make minor amendments not affecting substantive terms without further authorization from the City Council. The City Council hereby authorizes the City Manager to execute any such amendments as required by this Agreement or that do not otherwise reduce City's rights under this Agreement. All other amendments shall be approved by the City Council.

24. Construction and Interpretation. It is agreed and acknowledged by Principal that the provisions of this Agreement have been arrived at through negotiation, and that Principal has had a full and fair opportunity to revise the provisions of this Agreement and to have such provisions reviewed by legal counsel. Therefore, the normal rule of construction that any ambiguities are to be resolved against the drafting party shall not apply in construing or interpreting this Agreement.

25. Successors and Assigns -- Covenant Running With the Land. This

Agreement shall inure to the benefit of, and be binding upon, the successors and assigns of the respective parties. The Agreement shall be recorded in the Office of the Recorder of Riverside County and shall constitute a covenant running with the land and an equitable servitude upon the subject property.

26. Actions. Any action by any party to this Agreement, or any action concerning a security furnished pursuant thereto, shall be brought in the appropriate court of competent jurisdiction within the County of Riverside, State of California, notwithstanding any other provision of law which may provide that such action may be brought in some other location. The law governing this Agreement is the law of the State of California.

27. Integration. This Agreement is an integrated agreement. It supersedes all prior negotiations, representations, or agreements, either written or oral.

28. Construction; References; Captions. It being agreed the Parties or their agents have participated in the preparation of this Agreement, the language of this Agreement shall be construed simply, according to its fair meaning, and not strictly for or against any Party. Any term referencing time, days, or period for performance shall be deemed calendar days and not work days. All references to Principal include all personnel, employees, agents, and subcontractors of Principal, except as otherwise specified in this Agreement. All references to City include its elected officials, officers, employees, agents, and volunteers except as otherwise specified in this Agreement. The captions of the various articles and paragraphs are for convenience and ease of reference only, and do not define, limit, augment, or describe the scope, content, or intent of this Agreement.

29. Severability. If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions shall continue in full force without being impaired.

30. Counterparts. This Agreement may be executed in counterpart originals, which taken together, shall constitute one and the same instrument.

31. Effective Date of Agreement. This Agreement shall not become effective until the date it has been formally approved by the City and executed by the appropriate authorities of City and Principal.

32. Relationship Between The Parties. The Parties hereby mutually agree that neither this Agreement, nor any other related entitlement, permit, nor approval issued by City for the Property shall operate to create the relationship of partnership, joint venture, or agency between City and Principal. Principal's contractors and subcontractors are exclusively and solely under the control and dominion of Principal. Nothing herein shall be deemed to make Principal or its contractors an agent or contractor of City.

IN WITNESS WHEREOF, the parties have executed this Agreement as follows:

CITY OF WILDOMAR

_____
Daniel York
City Manager

PRINCIPAL:

White Sable, LLC
a California limited liability company

By:_____
Name:_____Michael Austin_____
Its:___Manager_____

By:_____
Name:____Lorinda Austin_____
Its:___Manager_____

Wildomar One, LLC
a Delaware limited liability company

By:_____
Name:_____Michael Austin_____
Its:___Manager_____

By:_____
Name:____Bryan Bentrott_____
Its:___Manager_____

ATTEST:

_____
Janet Morales
City Clerk

APPROVED AS TO FORM

_____
Thomas D. Jex
City Attorney

NOTE: SIGNATURES SHALL BE DULY NOTARIZED, AND APPROPRIATE ATTESTATIONS SHALL BE INCLUDED AS MAY BE REQUIRED BY THE BYLAWS, ARTICLES OF INCORPORATION, OR OTHER RULES OR REGULATIONS APPLICABLE TO T BUSINESS ENTITY.

EXHIBIT "A"

LEGAL DESCRIPTION OF PROPERTY

PARCEL A:

PARCELS 1 THROUGH 5 AND LETTERED LOTS A THROUGH E OF PARCEL MAP NO. 36492-1, IN THE
CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN
BOOK 251, PAGES 51 THROUGH 54, INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY
RECORDER OF SAID COUNTY.

PARCEL B:

PARCELS 1 THROUGH 4 OF PARCEL MAP NO. 36492-2, IN THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 251, PAGES 55 THROUGH 57,
INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

PARCEL C:

PARCELS 1 THROUGH 4 OF PARCEL MAP NO. 36492, IN THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 251, PAGES 72 THROUGH 74,
INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

APN: 380-250-052 (Affects Parcel 1 of Parcel A);
380-250-053 (Affects Parcel 2 of Parcel A);
380-250-054 (Affects Parcel 3 of Parcel A);
380-250-055 (Affects Parcel 4 of Parcel A);
380-250-056 (Affects Parcel 5 of Parcel A);
380-520-001 (Affects Parcel 1 of Parcel B);
380-520-002 (Affects Parcel 2 of Parcel B);
380-520-003 (Affects Parcel 3 of Parcel B);
380-520-004 (Affects Parcel 4 of Parcel B);
380-520-005 (Affects Parcel 1 of Parcel C);
380-520-006 (Affects Parcel 2 of Parcel C);
380-520-007 (Affects Parcel 3 of Parcel C) and
380-520-008 (Affects Parcel 4 of Parcel C)

EXHIBIT "B"

SURETY BONDS AND OTHER SECURITY

As evidence of understanding the provisions contained in this Agreement, and of the Principal's intent to comply with same, the Principal has submitted the below described security in the amounts required by this Agreement, and has affixed the appropriate signatures thereto:

PERFORMANCE SECURITY: $ 1,154,117.00

Surety: _____

Attorney-in-fact: _____

Address: _____

_____

_____

PAYMENT SECURITY: $ 557,059.00

Surety: _____

Attorney-in-fact: _____

Address: _____

_____

_____

MONUMENT SECURITY: $ Not Applicable

Amount deposited per Cash Receipt No. _____ Date: _____

BOND NO. _____

INITIAL PREMIUM: _____

SUBJECT TO RENEWAL

CITY OF WILDOMAR

OFFSITE STORM DRAIN IMPROVEMENTS

FORM OF PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS the City of Wildomar, California, a municipal corporation ("City") and White Sable, a California limited liability company ("White Sable") and Wildomar One, a Delaware limited liability company ("Wildomar One" and collectively with White Sable, the "Principal") have each executed an agreement for which they are jointly and severally obligated, for work consisting of, but not limited to, the furnishing all labor, materials, tools, equipment, services, and incidentals for all offsite storm drain facilities and traffic control for Wildomar Commerce Center ("Public Improvements");

WHEREAS, the Public Improvements to be performed by Principal are more particularly set forth in that certain Public Improvement Agreement for Offsite Storm Drain dated October 9, 2024 ("Improvement Agreement");

WHEREAS, the Improvement Agreement is hereby referred to and incorporated herein by reference; and

WHEREAS, Principal is required by the Improvement Agreement to provide a good and sufficient bond for performance of the Improvement Agreement, and to guarantee and warranty the Public Improvements constructed thereunder.

NOW, THEREFORE, Principal and _____ ("Surety"), a corporation organized and existing under the laws of the State of _____, and duly authorized to transact surety business under the laws of the State of California, are held and firmly bound unto City in the sum of _____ Dollars ($_____), said sum being not less than one hundred percent (100%) of the total cost of the Public Improvements as set forth in the Improvement Agreement, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such, that if Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, agreements, guarantees, and warranties in the Improvement Agreement and any alteration thereof made as therein provided, to be kept and performed at the time and in the manner therein specified and in all respects according to their intent and meaning, and to

indemnify and save harmless City, its officers, employees, and agents, as stipulated in the Improvement Agreement, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As part of the obligation secured hereby, and in addition to the face amount specified therefor, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by City in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Improvement Agreement, or to any plans, profiles, and specifications related thereto, or to the Public Improvements to be constructed thereunder, shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition.

IN WITNESS WHEREOF, the seal and signature of the Principal is hereto affixed, and the corporate seal and the name of the Surety is hereto affixed and attested by its duly authorized Attorney-in-Fact at _____, this _____ day of _____, _____.

_____	_____
Principal	Surety
By: _____	By: _____
Its: Managing Member	Attorney-In-Fact
_____	_____
(print name)	(print name)

NOTE: APPROPRIATE NOTARIAL ACKNOWLEDGMENTS OF EXECUTION BY PRINCIPAL AND SURETY, AND A COPY OF THE POWER OF ATTORNEY TO LOCAL REPRESENTATIVES OF THE BONDING COMPANY <u>MUST</u> BE ATTACHED TO THIS BOND.

BOND NO. _____

INITIAL PREMIUM: _____

SUBJECT TO RENEWAL

CITY OF WILDOMAR

OFFSITE STORM DRAIN IMPROVEMENTS

FORM OF LABOR AND MATERIAL BOND

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS the City of Wildomar, California, a municipal corporation ("City") and White Sable, a California limited liability company ("White Sable") and Wildomar One, a Delaware limited liability company ("Wildomar One" and collectively with White Sable, the "Principal") have each executed an agreement for which they are jointly and severally obligated, for work consisting of, but not limited to, the furnishing all labor, materials, tools, equipment, services, and incidentals for all offsite storm drain facilities and traffic control for Wildomar Commerce Center ("Public Improvements");

WHEREAS, the Public Improvements to be performed by Principal are more particularly set forth in that certain Public Improvement Agreement for Offsite Storm Drain dated October 9, 2024 ("Improvement Agreement");

WHEREAS, the Improvement Agreement is hereby referred to and incorporated herein by reference; and

WHEREAS, Principal is required to furnish a bond in connection with the Improvement Agreement providing that if Principal or any of its subcontractors shall fail to pay for any materials, provisions, or other supplies, or terms used in, upon, for, or about the performance of the Public Improvements, or for any work or labor done thereon of any kind, or for amounts due under the provisions of Title 1 (commencing with section 8000) through Title 3 (commencing with section 9000) of Part 6 of Division 4 of the California Civil Code, with respect to such work or labor, that the Surety on this bond will pay the same together with a reasonable attorney's fee in case suit is brought on the bond.

NOW, THEREFORE, Principal and _____ ("Surety"), a corporation organized and existing under the laws of the State of _____, and duly authorized to transact business under the laws of the State of California, are held and firmly bound unto City and to any and all material men, persons, companies or corporations furnishing materials, provisions, and other supplies used in, upon, for or about the performance of the Public Improvements, and all persons, companies or corporations renting or hiring teams, or implements or machinery, for or contributing to

the Public Improvements to be done, and all persons performing work or labor upon the same and all persons supplying both work and materials as aforesaid excepting the Principal, the sum of _____ Dollars ($_____), said sum being not less than 50% of the total cost of the Public Improvements under the terms of the Improvement Agreement, we bind ourselves, our heirs, executors and administrators, successors and assigns jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if the Principal, his or its subcontractors, heirs, executors, administrators, successors, or assigns, shall fail to pay for any materials, provisions, or other supplies or machinery used in, upon, for or about the performance of the Public Improvements, or for work or labor thereon of any kind, or fail to pay any of the persons named in California Civil Code Section 9100, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by any such claimant, or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the contractor and his subcontractors pursuant to Section 13020 of the Unemployment Insurance Code with respect to such work and labor, and all other applicable laws of the State of California and rules and regulations of its agencies, then said Surety will pay the same in or to an amount not exceeding the sum specified herein.

As part of the obligation secured hereby, and in addition to the face amount specified therefor, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by City in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.

It is hereby expressly stipulated and agreed that this bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under Title 1 (commencing with section 8000) through Title 3 (commencing with section 9000) of Part 6 of Division 4 of the California Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Improvement Agreement, or to any plans, profiles, and specifications related thereto, or to the Public Improvements to be constructed thereunder, shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition.

IN WITNESS WHEREOF, the seal and signature of the Principal is hereto affixed, and the corporate seal and the name of the Surety is hereto affixed and attested by its duly authorized Attorney-in-Fact at _____, this _____ day of _____, _____.

_____	_____
Principal	Surety
By: _____	By: _____
Its: Managing Member	Attorney-In-Fact
_____	_____
(print name)	(print name)

NOTE: APPROPRIATE NOTARIAL ACKNOWLEDGMENTS OF EXECUTION BY PRINCIPAL AND SURETY, AND A COPY OF THE POWER OF ATTORNEY TO LOCAL REPRESENTATIVES OF THE BONDING COMPANY <u>MUST</u> BE ATTACHED TO THIS BOND.

CITY OF WILDOMAR
CONSTRUCTION COST WORKSHEET
OFF-SITE DRAINAGE

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
DRAINAGE				
Concrete Bulkhead	6	EA.	$ 200.00	$ 1,200.00
Slope Anchors or Collars for Pipes	2	EA.	$ 300.00	$ 600.00
Cut Off Wall (Std 4')	12	C.Y.	$ 1,000.00	$ 12,000.00
A. C. Overside Drain		EA.	$ 500.00	$ 0.00
Under Sidewalk Drain Std 309		EA	$ 2,000.00	$ 0.00
Flat Outlet Drainage Structure Std 303		EA	$ 2,000.00	$ 0.00
Curb Outlet Drainage Structure Std 308		EA	$ 2,000.00	$ 0.00
Terrace Drain & Down Drain		S.F.	$ 6.50	$ 0.00
Interceptor Drain		S.F.	$ 6.50	$ 0.00
R.C. Box Culvert		C.Y.	$ 400.00	$ 0.00
Concrete Channel		C.Y.	$ 200.00	$ 0.00
Rip Rap (1/4 Ton) Methob B	44	C.Y.	$ 130.00	$ 5,720.00
Rip Rap (1/2 Ton) Methob B		C.Y.	$ 180.00	$ 0.00
Rip Rap (1 Ton) Method B		C.Y.	$ 230.00	$ 0.00
Rip Rap (2 Ton) Method B		C.Y.	$ 270.00	$ 0.00
Grouted Rip Rap (1/4 Ton) Method B		C.Y.	$ 60.00	$ 0.00
Grouted Rip Rap (1/2 Ton) Method B		C.Y.	$ 67.00	$ 0.00
Grouted Rip Rap (1 Ton) Method B		C.Y.	$ 75.00	$ 0.00
Grouted Rip Rap (2 Ton) Method B		C.Y.	$ 80.00	$ 0.00
18" R.C.P. round, arch or elliptical	23	L.F.	$ 120.00	$ 2,760.00
24" R.C.P. round, arch or elliptical	1211	L.F.	$ 150.00	$ 181,650.00
30" R.C.P. round, arch or elliptical	5	L.F.	$ 180.00	$ 900.00
36" R.C.P. round, arch or elliptical	56	L.F.	$ 260.00	$ 14,560.00
42" R.C.P. round, arch or elliptical		L.F.	$ 350.00	$ 0.00
48" R.C.P. round, arch or elliptical		L.F.	$ 430.00	$ 0.00
54" R.C.P. round, arch or elliptical	1041	L.F.	$ 550.00	$ 572,550.00
66" R.C.P. round, arch or elliptical	22	L.F.	$ 650.00	$ 14,300.00
18" C.S.P. or HDPE N12		L.F.	$ 40.00	$ 0.00
24" C.S.P. or HDPE N12		L.F.	$ 50.00	$ 0.00
30" C.S.P. or HDPE N12		L.F.	$ 60.00	$ 0.00
36" C.S.P. or HDPE N12		L.F.	$ 70.00	$ 0.00
42" C.S.P. or HDPE N12		L.F.	$ 80.00	$ 0.00
48" C.S.P. or HDPE N12		L.F.	$ 100.00	$ 0.00
54" C.S.P. HDPE Or Equal		L.F.	$ 110.00	$ 0.00
96" Subsurface Storage System		L.F.	$ 550.00	$ 0.00
Catch Basin W=3.5'		EA.	$ 2,500.00	$ 0.00
Catch Basin W=7'	1	EA.	$ 4,000.00	$ 4,000.00
Catch Basin W=21'	1	EA.	$ 15,000.00	$ 15,000.00
Grating Catch Basin Std 305-4		EA.	$ 2,500.00	$ 0.00
Local Depressions	2	EA.	$ 2,000.00	$ 4,000.00
Remove Existing Storm Drain Structure	536	LF	$ 50.00	$ 26,800.00
Junction Structure No. 1		EA.	$ 3,500.00	$ 0.00
Junction Structure No. 2		EA.	$ 4,500.00	$ 0.00
Junction Structure No. 6		EA.	$ 5,000.00	$ 0.00
Transition Structure No. 1		EA.	$ 12,500.00	$ 0.00
Transition Structure No. 2		EA.	$ 12,500.00	$ 0.00
Transition Structure No. 3		EA.	$ 4,500.00	$ 0.00
Manhole No. 1	8	EA.	$ 5,000.00	$ 40,000.00
Manhole No. 2	2	EA.	$ 5,000.00	$ 10,000.00
Manhole No. 4	3	EA.	$ 6,500.00	$ 19,500.00
Full Trash Capture Device-Connector Screen	2	EA.	$ 1,000.00	$ 2,000.00
Drop inlet (CB110)		EA.	$ 4,000.00	$ 0.00

6" Concrete Apron		202	S.F.	$	12.00	$ 2,424.00
Slurry Backfill Per RCFC&WCD STD. DWG. M815		156	S.F.	$	50.00	$ 7,800.00
Structural Reinforcement Concrete			C.Y.	$	400.00	$ 0.00
Caltrans Wingwall D90		3	EA.	$	8,000.00	$ 24,000.00
Movilization (if Subtotal is less than $20,000)			LS	$	10,000.00	$ 0.00
	A.	**Subtotal**				$ **961,764.00**
	B.	Administrative Contingency (20% x A)				$ 192,352.80
	C.	**Drainage Total (A + B)**				$ **1,154,116.80**

Joseph Castaneda

Digitally signed by Joseph Castaneda
DN: C=US, E=joe@jlcengineering.com, O=JLC Engineering & Consulting, CN=Joseph Castaneda
Date: 2024.09.27 15:15:31-07'00'

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.11
Meeting Date: October 9, 2024

SUBJECT: Measure AA Oversight Advisory Committee Appointment

SUBMITTED BY: Janet Morales, City Clerk

ACTION:
Review the application for Committee Membership on the Measure AA Oversight Advisory Committee and appoint Hannah Rinehart for a term ending June 2025.

SUMMARY:
The Measure AA Committee is comprised of five members who serve as established by the City Council and are appointed by the City Council for 2-year terms. The Committee's role is to ensure that all revenues received from the voter-approved one cent transactions and use tax (Measure AA) are spent on permissible uses as outlined in City of Wildomar Ordinance 161 and City Municipal Code Chapter 3.22.

BACKGROUND:
On August 19th, Committee Member Tom Tisdale submitted his letter of resignation. His term was set to expire June 2025.

DISCUSSION:
On September 9, 2024, a notice of vacancy for 1 unscheduled vacancy was advertised. At the end of the recruitment period, the City received 1 application from Hannah Rinehart.

It is staff's recommendation that the City Council review the application and appoint Hannah Rinehart to the Measure AA Overside Advisory Committee for a term ending June 2025.

FISCAL IMPACT:
None.

ATTACHMENTS:
1. Rinehart, Hannah Application

Volunteer Application
WILDOMAR MEASURE AA
CITIZEN'S OVERSIGHT ADVISORY COMMITTEE

City of Wildomar
23873 Clinton Keith Rd Ste. 201
Wildomar, CA 92595
951.677.7751 (phone)
951.698.1463 (fax)

VOLUNTEER APPLICANT INFORMATION

Last Name: Rinehart First Name: Hannah MI: K

Address: [redacted] City: Wildomar Zip Code: 92595

Home Phone: [redacted]

Email Address: [redacted]

QUESTIONAIRE

What type of Volunteer Experiences Have You Had?

I have volunteered for various roles at my kids schools, Yearbook Coordinator, Pack Shack Volunteer, as well as the role of team mom on almost all of their softball teams.

Education, Credentials, Government Finance/ Accounting/Auditing Experience:

I do not have any applicable education, but I manage all of our household expenses, creating detailed and effective budgets for the last 19 years.

Public Communication Experience:

I don't have any formal public communication experience, but I have recently taken a public speaking course while pursuing an AA in Digital Media and while volunteering as yearbook coordinator I am comfortable speaking in front of a group while giving detailed updates about progress and performance.

Project Leadership Skills/Experience:

I managed the Yearbook for my kids elementary school for four years, my final year during Covid. Covid was the most challenging year and we were able to get a great yearbook printed for all the kids that year.

Knowledge of Police, Fire, Street Maintenance and Homelessness needs, services and costs:

I don't have experience with the specifics of these services and costs, but as a homeowner for 14 years I have a general knowledge of these needs within a community

Other relevant Skills/Information:

Excellent interpersonal skills, communication skills, organizational skills. Willing and eager learner, fiscally responsible, team oriented, conflict resolution techniques.

Volunteer Acknowledgement

VOLUNTEER CODE OF CONDUCT

As a volunteer I will:

- Perform only those assigned tasks that are within my physical capability and will not undertake any tasks that are beyond my physical capability or ability.
- Not undertake to operate or use vehicles, equipment or tools that I am unfamiliar with or have not been trained to operate properly and safely, and have not received specific authorization to use from my supervisor.
- Observe all safety rules and use provided safety equipment in the performance of my assigned tasks.
- Treat everyone with respect, patience, integrity, courtesy, and dignity.
- Not use profanity, or make humiliating, ridiculing, threatening, or degrading statements.
- Return all City equipment and identification upon request or at end of assignment.

VOLUNTEER ACKNOWLEDGEMENT AND WAIVER

As a Volunteer, I understand that:

- I give the City of Wildomar permission to conduct a thorough background check on me, which may include a review of sex offender registries, criminal history records, and law enforcement records. I understand that volunteer positions may be conditional upon favorable background information as determined by the City of Wildomar.
- The City of Wildomar is not obligated to provide me with a volunteer placement. I also understand that I am not obligated to accept the volunteer position offered.
- Volunteers are expected to immediately inform us if they are unable or unwilling to perform a requested task. Physical requirements of tasks may involve sitting, standing, walking stooping, kneeling, climbing, talking. Listening, reading, handling (lifting, pushing, pulling), objects, handling heavy objects, operation tools, operating power tools, operating vehicles.
- Volunteer positions are charitable contributions to the City of Wildomar without compensation or benefit of any kind or consideration of future employment.
- I have the obligation to notify my supervisor of an injury incurred while volunteering.
- I agree to be subjected to the policies and procedures of the City of Wildomar.
- I am not an employee of the City of Wildomar.
- The City of Wildomar reserves the right to terminate my volunteer status at any time.

VOLUNTEER CONSENT

Your signature below indicates that you have read each of the above items and you agree to be bound by them.

_____	Hannah	_____
Applicant Name (print)	*Applicant Signature*	*Date*

Docusign Envelope ID: 593CEE57-A021-4EB3-8F44-1F6AF7BF4620

WILDOMAR MEASURE AA
CITIZEN'S OVERSIGHT ADVISORY COMMITTEE
Supplemental Questionnaire

PRINT NAME: Hannah Rinehart

PLEASE TYPE OR PRINT LEGIBLY

This Supplemental Questionnaire will be a tool in the evaluation of your qualifications for this position. Please answer each question in sufficient detail so that we can understand precisely what your **qualifying** experience and accomplishments have been.

A Supplemental Questionnaire is required for Wildomar Measure AA Citizens' Oversight Advisory Committee appointments. Your application will not be considered complete without submittal of both forms.

Please use the space provided for your response. If more space is necessary, one additional page per question may be attached.

Hannah _____ _____

Signature Date

1. Have you participated in local government as a committee member, commissioner, council member, or staff? What was your role and what did you learn from it?

No I have not.

2. What is your understanding of the role and responsibilities of the Wildomar Measure AA Citizen's Oversight Advisory Committee?

It's my understanding that a 1 cent sales tax increase was voted into effect on April 1, 2019 to be used towards police, fire, homelessness needs, and maintaining community roads/repairs. The oversight advisory committee reviews how the funds have been collected and expended.

3. Why did you apply for the committee and what do you hope to accomplish by your participation?

I am applying for this role to become more involved in the city we call home. We purchased our home with the hope that Wildomar would continue to grow into a safe and beautiful community like neighboring cities. The funds from measure AA are a vital part of the hopes I have for Wildomar.

4. What qualities or experience would you bring that would benefit the Wildomar Measure AA Citizen's Oversight Advisory Committee?

I am an extremely detail oriented person. I am fiscally responsible and team oriented. The city improvements that these funds are allocated for are of the utmost importance to me in this community.

5. What is your experience with governmental service costs (Police, Fire, Street Maintenance, Homelessness or other recurring City Services)?

I do not have any formal experience with governmental service costs and it is something I am eager to learn and have a better understanding of.

6. What is your experience with governmental financial reports and/or audits?

I do not have any formal experience with governmental financial reports and/or audits, but again I am eager to learn more and have a better understanding.

7. Describe your goals and/or interest in being a member of the Committee.

As mentioned above, property value and the safety and desirability to live in Wildomar is very important to me. I believe Wildomar has a lot of potential as a community and I want to be involved in making it a great place for residents that share the same goals.

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.12
Meeting Date: October 9, 2024

SUBJECT: Bundy Canyon Plaza BMP and Precise Grading Agreements

SUBMITTED BY: Jason Farag, Public Works Director

PREPARED BY: Ninette Eva, Associate Engineer

ACTION:
Authorize the City Manager to execute the Precise Grading Agreement and BMP Agreement with Bundy I-15, LP

SUMMARY:
The Developer is required to enter into a precise grading agreement to complete precise grading activities and a BMP agreement to guarantee long-term maintenance of water quality improvements.

BACKGROUND:
On July 15, 2009, Parcel Map 32257 was approved by the City to subdivide 6.64 acres into six commercial parcels, one joint access parcel, the vacation of a portion of Cherry Street and the dedication of right-of-way for Bundy Canyon Road. The project is located south of Bundy Canyon Road, East of I-15 and west of Sellers Rd. An aerial image of the project site and the surrounding area is provided in Attachment A. The developer has recently completed mass grading for Phase 2 of the project to construct drive-thru restaurants and retail buildings.

DISCUSSION:
PRECISE GRADING AGREEMENT:
In order to complete the precise grading activities, the Developer is required to enter into a Precise Grading Agreement (Attachment B) which identifies the Developer's obligations to the City in performing and completing the precise grading construction. The agreement also provides the City with a bond to secure the precise grading activities for the project. If the Developer fails to fulfill their obligations, the bond provides a mechanism for the City to ensure that the construction site is brought to a safe and acceptable condition.

The bond amount is based on the Developer's engineer's grading bond estimate shown as part of Attachment D.

Staff recommends that the City Council authorize the City Manager to execute the Precise Grading Agreement with the Developer.

BMP Agreements
The Developer is also required to enter into Stormwater Management/BMP Facilities Agreements for privately maintained BMPs (BMP Agreement, Attachment C) with the City. The BMP Agreement identifies the maintenance responsibilities of the Developer to ensure

that the WQMP BMPs that are constructed with this development continue to be maintained in the future.

Staff is requesting that the City Council authorize the City Manager to execute the Precise Grading Agreement and BMP Agreement with Bundy I-15, LP, a California Limited Partnership.

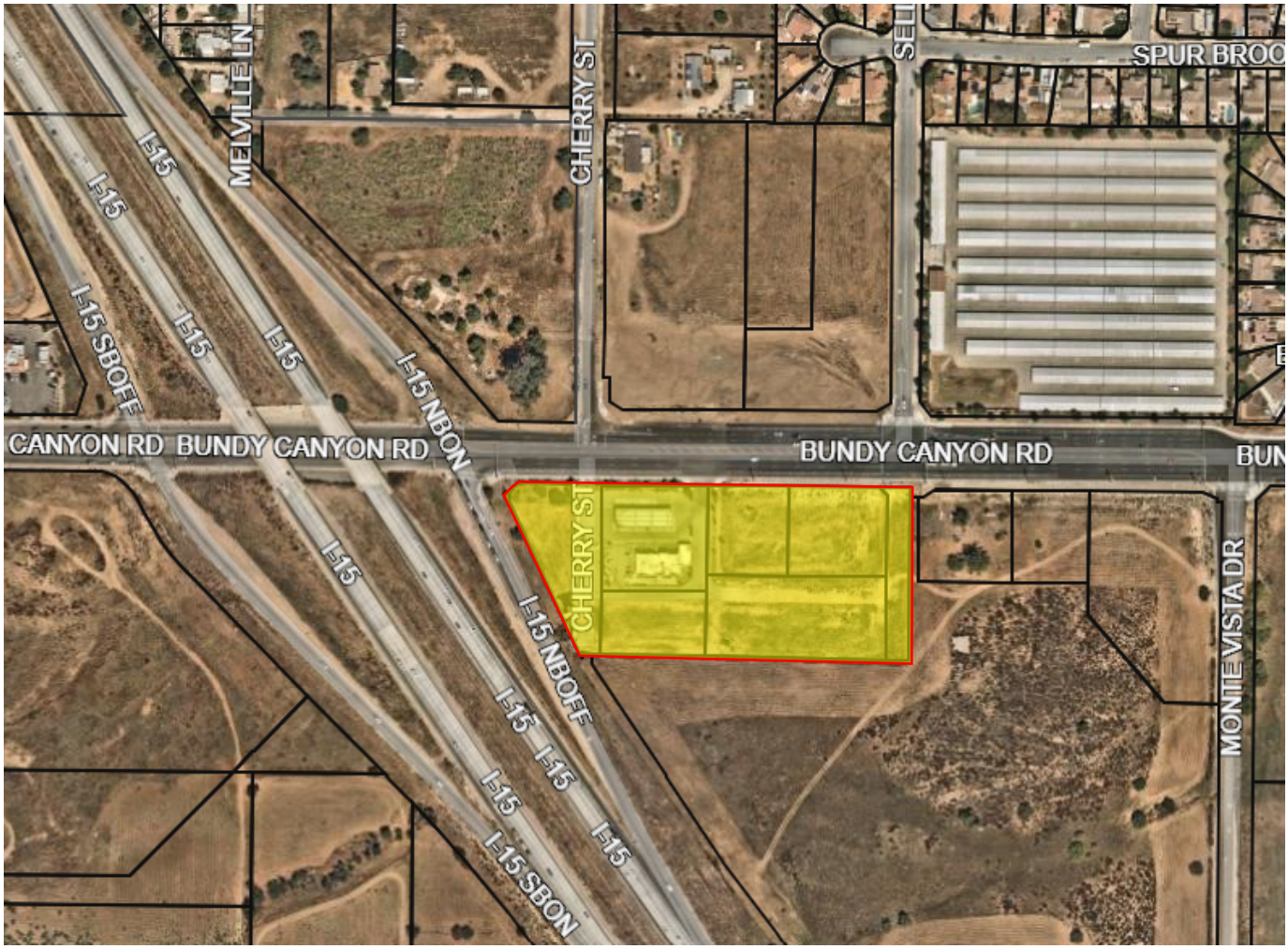
FISCAL IMPACT:

There are no fiscal impacts to the City at this time. All costs related to this process are covered by developer deposits or developer fees.

ATTACHMENTS:

A - Aerial Map.pdf
B - Precise Grading Agreement and Bond
C - Bundy BMP Agreement Private
D - Construction Cost Worksheet.pdf

ATTACHMENT A



Aerial Image of
Bundy Canyon Plaza Project PM32257
(highlighted in yellow)

AGREEMENT
FOR GRADING PROJECTS

This Agreement, made and entered into by and between the City of Wildomar, Riverside County, State of California, hereinafter called City, and Bundy 1-15, LP, a California Limited Partnership, hereinafter called Landowner.

WITNESSETH

FIRST: Landowner, for and in consideration of the approval of a grading plan and the issuance of a grading permit on that certain land division known as Parcel Map 32257 (the "Property") agrees, at Landowner's own cost and expense, to furnish all labor, equipment, and material necessary to perform and complete in a good and workmanlike manner, within 12 months from the date this agreement is executed, said grading and all work incidental thereto (the "Work") in accordance with the grading plans for the development of the Property which have been approved by the City Engineer, and are on file in the Office of the City of Wildomar, Public Works/Engineering Department, and the standards set forth in Wildomar Municipal Code Chapter 15, as it may be amended from time to time, which are expressly made a part of this agreement. Landowner further agrees to comply with any and all laws, regulations and permits pertaining to water quality applicable to the Work, including but not limited to the Clean Water Act, the Porter-Cologne Water Quality Control Act, and all permits and regulations issued pursuant thereto. All of the above required work shall be done under the inspection of and to the satisfaction of the City Engineer and shall not be deemed complete until approval of the Work is made by the City Engineer. The estimated cost of said Work is the sum of Six Hundred Two Thousand Five Hundred Dollars $602,500.00 which covers precise grading only.

SECOND: Landowner agrees to pay to the City the actual cost of such inspections of the Work as may be required by the City Engineer. Landowner further agrees that if suit is brought upon this agreement or any security guaranteeing the completion of the Work, all costs and reasonable expenses and fees incurred by the City in successfully enforcing such obligations shall be paid by Landowner, including reasonable attorney's fees, and that upon entry of judgment, such costs, expenses, and fees shall be taxed as costs and included in any judgment rendered.

THIRD: City shall not, nor shall any officer or employee of City, be liable or responsible for any accident, loss or damage happening or occurring to the Work specified in this agreement prior to the completion and approval hereof, nor shall City or any officer or employee thereof be liable for any persons or property injured by reason of the acts or omissions of Landowner, his agents or employees in the performance of the Work, and all of said liabilities are assumed by Landowner. Landowner agrees to protect, defend and hold harmless City and the officers and employees thereof from all loss, liability or claim because of, or arising out of the acts or omissions of Landowner, his agents and employees, in the performance of this Agreement. Separately, and not as a limitation on the foregoing duty to protect, defend, and indemnify City, Landowner agrees, as required by Section 13.12.090 of the Wildomar Municipal Code, to protect, defend and indemnify City, or any officer or employee thereof, in any administrative or judicial enforcement action by the State Water Board, Regional Water Quality Control Board, or any other federal, state or local agency, as well as in any action brought against the City by a non-governmental organization relating to one or more alleged violations of the NPDES permit or other federal, state or local water quality requirements by Landowner, his agents or employees, including but not limited to any and all costs, attorneys' fees, fines or penalties.

FOURTH: The Landowner hereby grants to the City, and to any agent or employee of the City, the irrevocable permission to enter upon the Property for the purpose of inspecting or completing the Work. This permission shall terminate in the event that Landowner has completed the Work within the time specified or any extension thereof granted by the City Engineer.

FIFTH: Landowner agrees at all times, up to the completion and approval of the Work by the City Engineer, to give good and adequate warning to the traveling public of each and every dangerous condition caused by the Work, and to protect the traveling public from such defective or dangerous conditions.

SIXTH: The Landowner, or his agents and employees shall give notice to the City Engineer at least 48 hours before beginning the Work and shall furnish the City Engineer all reasonable facilities for obtaining full information respecting the progress and manner of the Work.

SEVENTH: If the Landowner, or his agents or employees, neglects, refuses, or fails to prosecute the Work with such diligence as to insure its completion within the specified time, or within such extensions of time as have been granted by the City Engineer, or if the Landowner violates, neglects, refuses, or fails to perform satisfactorily any of the provisions of the plans and specifications for the Work, the Landowner shall be in default of this agreement. The City Engineer shall have the power to terminate all rights of the Landowner because of such default. The determination of the City Engineer of the question as to whether any of the terms of this agreement or the plans and specifications for the Work have been violated or have not been performed satisfactorily shall be conclusive upon the Landowner, and any and all parties who may have any interest in the agreement or any portion thereof. The foregoing provisions of this section shall be in addition to all rights and remedies available to the City under law.

EIGHTH: The Landowner agrees to file with City prior to the date this agreement is executed a good and sufficient security as provided in subsections (1), (2) and (3) of subdivision (a) of Section 66499 of the Government Code in any amount not less than the estimated cost of the Work for the faithful performance of the terms and conditions of this agreement, except that when the estimated cost of said Work is $2,500 or less, the security shall be a deposit of cash or its equivalent as determined acceptable by the City Engineer. Landowner further agrees that if in the opinion of the City Engineer the security becomes insufficient, Landowner agrees to renew each and every security with good and sufficient sureties or increase the amount of the security, within ten days after being notified by the City Engineer that the sureties or amounts are insufficient.

Notwithstanding any other provision herein, if landowner fails to take such action as is necessary to comply with said notice, he shall be in default of this agreement unless the Work is completed within 90 days of the date on which the City Engineer notifies the Landowner of the insufficiency of the sureties or the amount of the bonds or both.

NINTH: It is further agreed by and between the parties hereto, including the surety or sureties on the bonds or the issuers of any instruments or letters or credit securing this agreement that, in the event it is deemed necessary to extend the time of completion of the Work, extensions of time may be granted from time to time by the City Engineer either at his own option or upon request of the Landowner, and such extensions shall in no way affect the validity of this agreement or release the surety or sureties on said bonds. Landowner further agrees to maintain the aforesaid bond or bonds or the issuance of any instruments or letters of credit in full force and effect during the terms of this agreement, including any extensions of time as may be granted thereon.

TENTH: When the Work described in the first paragraph of this agreement consists of only rough or precise grading, upon the satisfactory completion and final approval of said Work by the City Engineer, the entire amount of the security applicable thereto shall be released or returned by City to the Landowner.

ELEVENTH: This agreement shall be binding upon the Landowner and his heirs, executors, administrators, successors or assigns, all and each both jointly and severally.

TWELFTH: It is understood and agreed by the parties hereto that if any part, term or provision of this agreement is determined by the courts to be unlawful and void, the validity of the remaining portions shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the agreement did not contain the particular part, term or provision held to be invalid.

THIRTEENTH: The City's City Manager may, but is not required to, make minor amendments not affecting substantive terms without further authorization from the City Council. The City Council hereby authorizes the City Manager to

execute any such amendments as required by this Agreement or that do not otherwise reduce City's rights under this Agreement.

FOURTEENTH: Any notice or notices required or permitted to be given pursuant to this agreement shall be served on the other party by mail, postage prepaid, at the following addresses:

City
City of Wildomar
Public Works/Engineering Department
23873 Clinton Keith Rd., Suite 201
Wildomar, CA 92595
(951) 677-7751
(951) 698-1463

Landowner
Bundy I-15, LP, a California Limited Partnership
139 Radio Road
Corona, CA 92879

Phone Number: (951) 281-3833
Fax Number: (714) 231-8942

FIFTEENTH: Each of the signatories hereto represents and warrants that he or she is competent and authorized to enter into this Agreement on behalf of the Party for whom he or she purports to sign. Each Party hereto agrees to defend, indemnify, and hold harmless the other Parties hereto against all claims, suits, actions, and demands, including necessary expenses of investigation and reasonable attorneys' fees and costs, arising out of claims that its signatory was not competent or so authorized to sign this Agreement.

[SIGNATURES ON THE FOLLOWING PAGE]

IN WITNESS WHEREOF LANDOWNER HAS AFFIXED HIS NAME, ADDRESS AND SEAL.

Bundy I-15, LP, a California Limited Partnership

By: RKJK a Nevada Co., LLC, a Nevada Limited Liability Company
It's General Partner

By: _____
Hagop Kofdarali, Manager

Date _____

City of Wildomar

By _____
_____
Date _____

Approved as to Form:
Thomas D. Jex, City Attorney

By: _____

(SIGNATURES OF LANDOWNER(S) MUST BE ACKNOWLEDGED BY A NOTARY AND EXECUTED IN DUPLICATE, WITH THE NOTARY ACKNOWLEDGMENT ATTACHED HERETO. ALL SIGNATURES TO BE INCLUDED ON THIS DOCUMENT OR IDENTIFY THIS DOCUMENT WHEN INCLUDING A SIGNATURE PAGE.)

FAITHFUL PERFORMANCE BOND

CITY OF WILDOMAR, RIVERSIDE COUNTY, STATE OF CALIFORNIA

(Precise Grading)

FOR:

Precise Grading $ 602,500.00	Tract No.
Premium $	Parcel Map No. Parcel 3 of PM32257
	Bond No.
Surety 	Principal Bundy 1-15, LP, a California Limited Partnership
Address 	Address 139 Radio Road
City/State 	City/State Corona, CA
Zip 	Zip 92879
Phone 	Phone 951-281-3833

WHEREAS, the City of Wildomar, Riverside County, State of California, and Bundy I-15, LP., a California Limited Partnership (hereinafter designated as ("principal") have entered into, or are about to enter into, the attached agreement(s) whereby principal agrees to complete the above on-site grading relating to Parcel Map 32257, which agreement(s) is/are hereby referred to and made a part hereof; and,

WHEREAS, said principal is required under the terms of said agreement(s) to furnish bond(s) for the faithful performance of said agreement(s);

NOW, THEREFORE, we the principal and _____, as surety, are held and firmly bound unto the City of Wildomar in the penal sum of six hundred and two thousand five hundred Dollars ($602,500.00) lawful money of the United States, for the payment of which sum will and truly be made, we bind ourselves, our heirs, successors, executors and administrators, jointly and severally, firmly by these presents.

The condition of this obligation is such that if the above bonded principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in the said agreement and any alteration thereof made as therein provided, on his or their part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the City of Wildomar, its officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise, it shall remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefore, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by the City in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.

The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the agreement or to the work to be performed thereunder or the specifications accompanying the same shall in anywise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

Surety further stipulates and agrees that the provisions of Section 2845 of the Civil Code and commencement of construction are not conditions precedent to surety's obligations hereunder and are hereby waived by surety. When the work covered by the agreement is complete as determined by the City of Wildomar, the City will release the obligation of this bond.

IN WITNESS WHEREOF, this instrument has been duly executed by the principal and surety above named, on _____.

NAME OF PRINCIPAL _____

_____

AUTHORIZED SIGNATURE(S): By: _____ _____
Title

_____ _____
Title

_____ _____
Title
(If Corporation, Affix Seal)

NAME OF SURETY: _____

AUTHORIZED SIGNATURE: _____ _____
Its Attorney-in-Fact Title
(If Corporation, Affix Seal)

Attach Notarial Acknowledgment Of Signatures Of Principal And Attorney-In-Fact.

RIV #4849-0958-0384 v2

STORMWATER MANAGEMENT/BMP
FACILITIES AGREEMENT

THIS AGREEMENT, made and entered into this 9th day of October, 2024 , by and between Bundy I-15, LP, a California Limited Partnership (the "Landowner"), and the City of Wildomar, a municipal corporation (the "City").

RECITALS

WHEREAS, the Landowner is the owner of certain real property described as Parcel 1, Parcel 3, Parcel 4, Parcel 5, and Lot C of PM 32257, as recorded in the land records of Riverside County, California, Parcel Map Book 248, Pages 84-87, (the "Property").

WHEREAS, the Landowner is proceeding to build on and develop the Property; and

WHEREAS, the Site Plan/Subdivision Plan known as Bundy Canyon Plaza PM32257, Parcel 3 Precise Grading Plan and Private Street/Access Road Plans, as approved or to be approved by the City (the "Plan"), which is incorporated herein by reference, provides for stormwater quality treatment within the confines of the property; and

WHEREAS, the City and the Landowner, its successors and assigns, including any homeowners association, agree that the health, safety, and welfare of the residents of Wildomar, California, require that the Landowner, its successors and assigns, including but not limited to any homeowners association, construct and maintain stormwater management/Best Management Practices facilities (the "Facilities") on the Property.

NOW, THEREFORE, in consideration of the foregoing recitals, the mutual covenants contained herein, and the following terms and conditions, the parties hereto agree as follows:

1. The Facilities shall be constructed by the Landowner, its successors and assigns, in accordance with the plans and specifications identified in the Plan.

2. The Landowner, its successors and assigns, including any homeowners association, shall adequately maintain the Facilities, including all pipes and channels built to convey stormwater to the Facilities, as well as all structures, improvements, and vegetation provided to control the quantity and quality of the stormwater. Adequate maintenance is herein defined as good working condition so that the Facilities are performing their designed functions.

3. The Landowner, its successors and assigns, shall inspect the Facilities and submit an inspection report annually to the City. The purpose of the inspection is to assure safe and proper functioning of the Facilities. The inspection shall cover the entire Facilities, including but not limited to berms, outlet structures, pond areas, and access roads. Deficiencies in the Facilities shall be noted in the inspection report.

4. The Landowner, its successors and assigns, hereby grant permission to the City, its authorized agents and employees, to enter upon the Property and to inspect the Facilities whenever the City deems necessary. The City shall provide the Landowner, its successors and assigns, copies of the inspection findings and a directive to commence repairs, if necessary.

5. In the event the Landowner, its successors and assigns, fails to adequately maintain the

Facilities in good working condition acceptable to the City, the City may enter upon the Property and take whatever steps necessary to correct deficiencies identified in the inspection report and to charge the costs of such repairs to the Landowner, its successors and assigns. This provision shall not be construed to allow the City to erect any structure of permanent nature on the land of the Landowner outside of the easement for the Facilities. It is expressly understood and agreed that the City is under no obligation to routinely maintain or repair the Facilities, and in no event shall this Agreement be construed to impose any such obligation on the City.

6. The Landowner, its successors and assigns, will perform the work necessary to keep the Facilities in good working order. In the event a maintenance schedule for the Facilities (including sediment removal) is contained in the Plans, Landowner will follow that schedule.

7. In the event the City, pursuant to this Agreement, performs work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the Landowner, its successors and assigns, shall reimburse the City upon demand, within thirty (30) days of receipt thereof for all actual costs incurred by the City hereunder.

8. This Agreement imposes no liability of any kind whatsoever on the City and the Landowner agrees to hold the City harmless, defend and indemnify from any liability whatsoever, including negligence, in the event the Facilities fail to operate properly.

9. This Agreement shall be recorded among the land records of Riverside County, California, and shall constitute a covenant running with the land, and shall be binding on the Landowner, its administrators, executors, assigns, heirs and any other successors in interests, including any homeowners association.

10. The City's City Manager may, but is not required to, make minor amendments not affecting substantive terms without further authorization from the City Council. The City Council hereby authorizes the City Manager to execute any such amendments as required by this Agreement or that do not otherwise reduce City's rights under this Agreement.

11. Each of the signatories hereto represents and warrants that he or she is competent and authorized to enter into this Agreement on behalf of the Party for whom he or she purports to sign. Each Party hereto agrees to defend, indemnify, and hold harmless the other Parties hereto against all claims, suits, actions, and demands, including necessary expenses of investigation and reasonable attorneys' fees and costs, arising out of claims that its signatory was not competent or so authorized to sign this Agreement.

WITNESS the following signatures and seals:

Bundy I-15, LP, a California Limited Partnership

By: RKJK a Nevada Co., LLC, a Nevada Limited
Liability Company
It's General Partner

By: _____
Hagop Kofdarali, Manager

Date _____

NOTE: SIGNATURES SHALL BE DULY NOTARIZED, AND APPROPRIATE ATTESTATIONS SHALL BE INCLUDED AS MAY BE REQUIRED BY THE BYLAWS, ARTICLES OF INCORPORATION, OR OTHER RULES OR REGULATIONS APPLICABLE TO THE BUSINESS ENTITY.

CITY OF WILDOMAR

_____ _____
Daniel York Date
City Manager

ATTEST

_____ _____
Janet Morales Date
City Clerk

APPROVED AS TO FORM

_____ _____
Thomas D. Jex Date
City Attorney

RIV #4839-5891-5168 v2

CITY OF WILDOMAR
CONSTRUCTION COST WORKSHEET
AND PLAN CHECK DEPOSIT CALCULATION SHEET ON SITE IMPROVEMENTS

PARCEL MAP NO. 32257 PARCEL 3 DATE:08-29-24
PP, CU, PU, MS OR VL NO. PROJECT: Bundy Canyon Plaza

IMPROVEMENTS			FAITHFUL PERFORMANCE SECURITY (100% of Estimated Construction Costs)	MATERIAL & LABOR SECURITY (**50% of Estimated Construction Costs)
Street/Drainage		$ 554,255.28	$ 554,500.00	$ 277,250.00
*Flood Control		$ 0.00	$ 0.00	$ 0.00
Water	None (District Name)	$ 25,052.40	$ 25,000.00	$ 12,500.00
Sewer	None (District Name)	$ 23,046.00	$ 23,000.00	$ 11,500.00
Total		**602,353.68**	$ **602,500.00**	$ **301,250.00**
Warranty Retention (10%)			$ 60,250.00	

DESIGN ENGINEER'S CALCULATION OF IMPROVEMENT BONDING COSTS

Construction items and their quantities, as shown on the attached sheets, are accurate for the improvements required to construct the above project and the mathmatical extensions, using City's unit costs, are accurate for determining bonding costs

Above amounts do/do not include additional 20% for recordation prior to having signed plans (Ordinance 460, Section 10.3E).

Signature — Date: 9/12/2024

JACOB VANDERVIS PE — RCE# C46301 — Exp. Date

REGISTERED PROFESSIONAL ENGINEER JACOB VANDERVIS No. C046301 Exp. 12-31-24 CIVIL STATE OF CALIFORNIA

Civil Engineer's Stamp

*Flood Control Construction Cost Estimate to be provided by Flood Control District. Provide a copy of Flood Control District letter stating cost estmate.

***** PLEASE READ INSTRUCTIONS BELOW *****

1. Quantities are to be taken from the Improvement Plans. Unit cost are to be as provided on "City of Wildomar Improvement Requirement Worksheet."

2. Show Performance Bond Amounts to the nearest $500.00. Material and Labor Bond Amounts are 50% of Performance Bond Amountss. **100% for Flood Control items.

3. For Construction items not covered by "City of Wildomar Improvement Requirements Worksheet", Design Engineer is to provide his opinion of construction cost and use that cost. If City of Wildomar Unit Costs are determined to be too low, in the opinion of the design engineer, the higher costs as provided by the Design Engineer should be used.

CITY OF WILDOMAR PUBLIC WORKS DEPARTMENT
IMPROVEMENT REQUIREMENT WORKSHEET
STREET IMPROVEMENTS

QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
		ROADWAY EXCAVATION		
	C.Y.	1. Projects with Grading Plan Area x 0.50' (hinge point to hinge point)	$ 20.00	$ 0.00
		2. Projects without a Grading Plan Road area and side slopes to daylight Cut (c) = Fill (f) =		
	C.Y.	(a.) Excavate and Fill	$ 0.40	$ 0.00
	C.Y.	(b.) Excavate and Export	$ 1.10	$ 0.00
6,765	C.Y.	(c.) Import and Fill	$ 2.80	$ 18,942.00
		If balance, provide (a.) only, either cut or fill If export, provide (a.)&(b.) a = fill, b = cut - fill If import, provide (a)&(c), a = cut, c = fill - cut (Unit costs for (a),(b), & (c) are 20% of actual costs to assure that work will be corrected to eliminate hazardous conditions.)		
2,145	L.F.	Sawcut Exist. A.C. Pavement	$ 1.00	$ 2,145.00
2,145	S.F.	Cold Plane A.C. Pavement	$ 1.50	$ 3,217.50
	S.Y.	Grinding A.C. , in place	$ 2.00	$ 0.00
	S.Y.	Remove A.C. Pavement	$ 0.60	$ 0.00
	L.F.	Remove Curb and Gutter	$ 18.00	$ 0.00
	L.F.	Remove A.C. Dike	$ 3.00	$ 0.00
	EA.	Relocate Mailbox	$ 250.00	$ 0.00
	L.F.	Remove Chain Link Fence	$ 7.50	$ 0.00
	L.F.	Remove Barricade	$ 10.00	$ 0.00
571	TON	Asphalt Concrete (S.F.) (144 lbs/cu.ft)	$ 90.00	$ 51,390.00
658	C.Y.	Agg Base Class II (116,103S.F.)	$ 50.00	$ 32,900.00
	Ton	Asphalt Emulsion (Fog Seal/Paint Binder) (1 ton = 240 gals) (116,103S.F.) apply at 0.05+0.03 = 0.08 gal/SY	$ 600.00	$ 0.00
	S.F.	AC overlay (min. 0.10') (SF)	$ 0.90	$ 0.00
982	L.F.	Curb and Gutter (Type A-6)	$ 15.00	$ 14,730.00
	L.F.	Curb and Gutter (Type A-8)	$ 17.00	$ 0.00
	L.F.	Type "C" Curb	$ 12.00	$ 0.00
	L.F.	Type "D-1" Curb	$ 12.00	$ 0.00
392	L.F.	Type "D" Curb	$ 15.00	$ 5,880.00
695	L.F.	A.C. Dike (6")(incl. material & labor)	$ 8.00	$ 5,560.00
	L.F.	A.C. Dike (8")(incl. material & labor)	$ 10.00	$ 0.00
4,638	S.F.	P.C.C. Drive Lane	$ 10.00	$ 46,380.00
4,065	S.F.	P.C.C. Sidewalk	$ 6.00	$ 24,390.00
500	S.F.	P.C.C. Drive Approach	$ 8.00	$ 4,000.00
	S.F.	P.C.C. Dip Section Std. 307	$ 6.00	$ 0.00
7	EA.	Handicapped Access Ramp	$ 2,000.00	$ 14,000.00
	C.Y.	Structural Reinforcement Concrete	$ 400.00	$ 0.00
40	L.F.	Barricades	$ 100.00	$ 4,000.00
	L.F.	Metal Beam Guard Railing	$ 35.00	$ 0.00

CITY OF WILDOMAR PUBLIC WORKS DEPARTMENT
IMPROVEMENT REQUIREMENT WORKSHEET
STREET IMPROVEMENTS

QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
	L.F.	Chain Link Fence (6')	$ 80.00	$ 0.00
	L.F.	Relocate Fence	$ 12.00	$ 0.00
	EA.	Pipe Gate	$ 1,000.00	$ 0.00
	EA.	Relocate Power Pole	$ 10,000.00	$ 0.00
3	EA.	Street Lights (including conduit)	$ 5,000.00	$ 15,000.00
	EA.	Concrete Bulkhead	$ 2,500.00	$ 0.00
	EA.	Slope Anchors for Pipes	$ 300.00	$ 0.00
	C.Y.	Cut Off Wall (Std 2')	$ 400.00	$ 0.00
	EA.	A. C. Overside Drain	$ 800.00	$ 0.00
	EA	Under Sidewalk Drain Std 309	$ 2,000.00	$ 0.00
	EA	Flat Outlet Drainage Structure Std 303	$ 2,000.00	$ 0.00
	EA	Curb Outlet Drainage Structure Std 308	$ 2,000.00	$ 0.00
	EA	Private Drainage Structure Std 310	$ 500.00	$ 0.00
	S.F.	Terrace Drain & Down Drain	$ 6.50	$ 0.00
633	L.F.	Concrete V-ditch	$ 15.00	$ 9,495.00
	C.Y.	R.C. Box Culvert	$ 400.00	$ 0.00
110	LF.	Concrete ribbon gutter	$ 20.00	$ 2,200.00
146	C.Y.	Rip Rap (1/4 Ton) Methob B	$ 40.00	$ 5,840.00
	C.Y.	Rip Rap (1/2 Ton) Methob B	$ 45.00	$ 0.00
	C.Y.	Rip Rap (1 Ton) Method B	$ 50.00	$ 0.00
	C.Y.	Rip Rap (2 Ton) Method B	$ 55.00	$ 0.00
	C.Y.	Grouted Rip Rap (1/4 Ton) Method B	$ 60.00	$ 0.00
	C.Y.	Grouted Rip Rap (1/2 Ton) Method B	$ 67.00	$ 0.00
	C.Y.	Grouted Rip Rap (1 Ton) Method B	$ 75.00	$ 0.00
	C.Y.	Grouted Rip Rap (2 Ton) Method B	$ 80.00	$ 0.00
125	L.F.	6" HDPE	$ 113.00	$ 14,125.00
132	L.F.	8" HDPE	$ 115.00	$ 15,180.00
36	L.F.	8" HDPE	$ 115.00	$ 4,140.00
55	L.F.	10" HDPE	$ 125.00	$ 6,875.00
33	L.F.	12" HDPE	$ 130.00	$ 4,290.00
113	L.F.	16" HDPE	$ 140.00	15,820.00
	L.F.	48" R.C. P. Or 57" x 38" RCPA	$ 235.00	0.00
	L.F.	54" R.C. P. Or 64" x 43" RCPA	$ 130.00	0.00
	L.F.	60" R.C. P. Or 71" x 47" RCPA	$ 150.00	0.00
	L.F.	18" C.S.P. HDPE Or Equal	$ 40.00	$ 0.00
	L.F.	24" C.S.P. HDPE Or Equal	$ 50.00	$ 0.00
	L.F.	30" C.S.P. HDPE Or Equal	$ 60.00	$ 0.00
	L.F.	36" C.S.P. HDPE Or Equal	$ 70.00	$ 0.00
	L.F.	42" C.S.P. HDPE Or Equal	$ 80.00	$ 0.00
	L.F.	48" C.S.P. HDPE Or Equal	$ 100.00	$ 0.00
	L.F.	54" C.S.P. HDPE Or Equal	$ 110.00	$ 0.00
	L.F.	60" C.S.P. HDPE Or Equal	$ 120.00	$ 0.00
2	EA.	Catch Basin W=4'	$ 2,200.00	$ 4,400.00
	EA.	Catch Basin W=7'	$ 4,000.00	$ 0.00
	EA.	Catch Basin W=14'	$ 7,800.00	$ 0.00
	EA.	Catch Basin W=21'	$ 12,000.00	$ 0.00

CITY OF WILDOMAR PUBLIC WORKS DEPARTMENT
IMPROVEMENT REQUIREMENT WORKSHEET
STREET IMPROVEMENTS

QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
4	EA.	CONTEC Filterra Unti	$ 15,000.00	$ 60,000.00
	EA.	Type IX Inlet	$ 2,500.00	$ 0.00
	EA.	Type X Inlet	$ 2,500.00	$ 0.00
	EA.	Junction Structure No. 1	$ 3,000.00	$ 0.00
	EA.	Junction Structure No. 2	$ 3,000.00	$ 0.00
	EA.	Junction Structure No. 6	$ 3,700.00	$ 0.00
	EA.	Transition Structure No. 1	$ 12,500.00	$ 0.00
	EA.	Transition Structure No. 2	$ 12,500.00	$ 0.00
	EA.	Transition Structure No. 3	$ 2,700.00	$ 0.00
	EA.	Manhole No. 1	$ 2,700.00	$ 0.00
	EA.	Manhole No. 2	$ 3,300.00	$ 0.00
	EA.	Manhole No. 3	$ 2,700.00	$ 0.00
	EA.	Manhole No. 4	$ 5,000.00	$ 0.00
	EA.	Adjust Water Valve to Grade (if no water plan)	$ 250.00	$ 0.00
	EA.	Adjust MH to Grade (if no sewer plan)	$ 600.00	$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
		SIGNING, STRIPING AND SIGNALS		
	S.F	Remove Traffic Stripes and Paint Markings	$ 2.50	$ 0.00
	EA.	Remove, Sign, Salvage	$ 100.00	$ 0.00
	EA.	Relocate Roadside Sign	$ 150.00	$ 0.00
	EA.	Street Name Sign	$ 275.00	$ 0.00
	EA.	Install Sign (Strap and Saddle Bracket Method)	$ 150.00	$ 0.00
	EA.	Install Sign Mast Arm Hanger Method)	$ 150.00	$ 0.00
	EA.	Road Sign - One Post	$ 250.00	$ 0.00
	EA.	Road Sign - Two Post	$ 400.00	$ 0.00
	EA.	Object Marker - Modified Type "F" Delineator	$ 60.00	$ 0.00
	EA.	Delineator (Class 1 Type F)	$ 40.00	$ 0.00
	EA.	Delineator (Class 2)	$ 45.00	$ 0.00
	EA.	Pavement Marker, Reflective	$ 3.75	$ 0.00
	EA.	Paint Traffic Stripe (2 Coats)	$ 0.30	$ 0.00
	L.F.	Remove Barricade	$ 10.00	$ 0.00
	L.F.	4" Thermoplastic Traffic Stripe	$ 0.50	$ 0.00
	L.F.	8" Thermoplastic Traffic Stripe	$ 0.80	$ 0.00
	S. F.	Thermoplastic Channelizing Limit Line and Pavement	$ 2.25	$ 0.00
	S.F.	Thermoplastic Cross Walk and Pavement Marking	$ 4.00	$ 0.00
	EA	Signal and Lighting	150,000.00	$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00

CITY OF WILDOMAR PUBLIC WORKS DEPARTMENT
IMPROVEMENT REQUIREMENT WORKSHEET
STREET IMPROVEMENTS

QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
				$ 0.00
		LANDSCAPING		$
	S. F.	Maintenance Walk STD 113	$ 4.00	$ 0.00
	S. F.	Colored Stamped Concrete	$ 10.00	$ 0.00
	EA	Street Trees (15 Gallon)	$ 100.00	$ 0.00
	S. F.	Landscape and Irrigation	$ 3.50	$ 0.00
	C.Y.	Landscape Fill Material	$ 27.00	$ 0.00
	EA	Water Meter	$ 7,000.00	$ 0.00
	S.F.	Electric Meter	$ 10,000.00	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
	A.	**Subtotal**		$ **384,899.50**
	B.	Administrative Contingency (% x A)		$ 76,979.90
		NOTE: Use 20% for TR and PM Use 5%		
	C.	**Streets/Drainage Total (A + B)**		$ **461,879.40**
		BOND AMOUNT FOR RECORDATION PRIOR TO HAVING		
	D.	20% x C		$ 92375.88
	E.	**Streets/Drainage Total (C + D)**		$ **554255.28**

CITY OF WILDOMAR PUBLIC WORKS DEPARTMENT
IMPROVEMENT REQUIREMENT WORKSHEET
WATER IMPROVEMENTS

QUANTITY	UNIT	ITEM	UNIT 13	AMOUNT
	L.F.	4" Waterline	$ 13.00	$ 0.00
	L.F.	6" Waterline	$ 16.00	$ 0.00
367	L.F.	8" Waterline	$ 21.00	$ 7,707.00
	L.F.	10" Waterline	$ 27.00	$ 0.00
	L.F.	12" Waterline	$ 31.00	$ 0.00
	L.F.	18" Waterline	$ 40.00	$ 0.00
	EA.	4" Gate Valve	$ 650.00	$ 0.00
	EA.	6" Gate Valve	$ 800.00	$ 0.00
1	EA.	8" Gate Valve	$ 850.00	$ 850.00
	EA.	10" Gate Valve	$ 1,050.00	$ 0.00
	EA.	12" Gate Valve	$ 1,250.00	$ 0.00
	EA.	Fire Hydrant (6") Super	$ 2,500.00	$ 0.00
2	EA.	Fire Hydrant (6") Standard	$ 2,300.00	$ 4,600.00
	EA.	4" Misc. Fittings	$ 150.00	$ 0.00
2	EA.	6" Misc. Fittings (FH CUT IN TEE)	$ 200.00	$ 400.00
	EA.	8" Misc. Fittings	$ 250.00	$ 0.00
	EA.	10" Misc. Fittings	$ 280.00	$ 0.00
1	EA.	12" Misc. Fittings	$ 320.00	$ 320.00
2	EA.	Blowoffs (4")	$ 1,600.00	$ 3,200.00
8	EA.	Service Connections	$ 475.00	$ 3,800.00
	EA.	Adjust Water Valve to Grade	$ 200.00	$ 0.00
	EA.	Relocation of Blowoff	$ 1,000.00	$ 0.00
	EA.	Air and Vacuum Valve.	$ 1,850.00	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
	A.	**Subtotal**		$ **20,877.00**
	B.	Administrative Contingency (% x A)		$ 4,175.40
		NOTE: Use 20% for TR and PM Use 5% for PP, CU, PU, MS and VL Cases		
	C.	**Water Total (A + B)**		$ **25,052.40**
		BOND AMOUNT FOR RECORDATION PRIOR TO HAVING SIGNED PLAND (ORD.460, SEC. 10.3E)		
	D.	20% x C		$ 5,010.48
	E.	**Water Total (C + D)**		$ **30,062.88**

CITY OF WILDOMAR PUBLIC WORKS DEPARTMENT
IMPROVEMENT REQUIREMENT WORKSHEET
SEWER IMPROVEMENTS

QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
	L.F.	4" V. C. P.	$ 15.00	$ 0.00
231	L.F.	6" V. C. P.	$ 25.00	$ 5,775.00
281	L.F.	8" V. C. P.	$ 30.00	$ 8,430.00
	L.F.	10" V. C. P.	$ 35.00	$ 0.00
	L.F.	12" V. C. P.	$ 40.00	$ 0.00
2	EA.	Standard Manhole	$ 2,500.00	$ 5,000.00
	EA.	Drop Manhole	$ 4,000.00	$ 0.00
	EA.	Cleanouts	$ 500.00	$ 0.00
	EA.	Sewer Y's	$ 30.00	$ 0.00
	EA.	Chimneys	$ 400.00	$ 0.00
	EA.	Adjust M.H. to grade	$ 500.00	$ 0.00
	L.F.	Concrete Encasement	$ 35.00	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
			$	$ 0.00
	A.	**Subtotal**		$ **19,205.00**
	B.	Administrative Contingency (% x A)		$ 3,841.00
		NOTE: Use 20% for TR and PM Use 5% for PP, CU, PU, MS and VL Cases		
	C.	**Sewer Total (A + B)**		$ **23,046.00**
		BOND AMOUNT FOR RECORDATION PRIOR TO HAVING SIGNED PLAND (ORD.460, SEC. 10.3E)		
	D.	20% x C		$ 4,609.20
	E.	**Sewer Total (C + D)**		$ **27,655.20**

CITY OF WILDOMAR PUBLIC WORKS DEPARTMENT

PLANCHECK DEPOSIT CALCULATION SHEET

PARCEL MAP OR TRACT NO. _____ SCH: _____ DATE: _____

PP, CU, PU, MS OR VL NO. _____

IMPROVEMENT COSTS (Including Contingencies)	
I. Streets/Drainage (Line C from Street Improvement Calculations)	$ 461879.40
II. Water (Line C from Water Improvement Calculations)	$ 25,052.40
III. Sewer (Line C from Sewer Improvement Calculations)	$ 23,046.00
PLAN CHECK DEPOSIT CALCULATION	
A. Street/Drainage (2% X I)	$ 4618.79
B. Water and Sewer (1% x II and III.) (Do not include for Tract Maps)	$ 480.98
C. Total Plan Check Deposit (A + B)	$ 5099.78
SURCHARGE FEE CALCULATION	
D. Surcharge Fee (2% x C)	$ 102.00
E. Total Plan Check Deposit and Surcharge Fee	$ 5201.77
MINIMUM PLAN CHECK DEPOSIT REQUIREMENTS	
Note: If Plan Check Deposit calculated in "Line E" is less than the minimum as	
shown below, then following deposit schedule will apply, otherwise pay the full deposit.	
For TR (Schedule. A, B, C, D) and PM (Schedule. E, F, G) - minimum $5,000	
For PM (Schedule H, I) - minimum $5,000.00	
For PP/CU/PU/MS/VL - minimum $5,000.00	
COMMENTS	

CITY OF WILDOMAR
CC - REGULAR MEETING
PUBLIC HEARING
Agenda Staff Report # 2.1
Meeting Date: October 9, 2024

SUBJECT: Public Hearing for Annexation No. 12, (Oak Springs Ranch II PP 20-0044) Consideration of Territory to be Annexed to Community Facilities District No. 2022-1 (Services), Calling an Election, Ordering the Levy and Collection of Special Taxes, and Declaring the Election Results for CFD 2022-1 (Services), Annexation No. 12

SUBMITTED BY: Jason Farag, Public Works Director

PREPARED BY: Ninette Eva, Associate Engineer

ACTION:
1. Open the public hearing;
2. Take testimony;
3. Close the public hearing;
4. Adopt Resolution entitled:

RESOLUTION NO. 2024 - _____
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, CALLING AN ELECTION TO SUBMIT TO THE QUALIFIED ELECTORS THE QUESTION OF LEVYING A SPECIAL TAX WITHIN THE AREA PROPOSED TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) (ANNEXATION NO. 12)

5. Hold the election;
6. Canvass the election; and
7. Adopt a Resolution entitled:

RESOLUTION NO. 2024 - _____
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ELECTION RESULTS FOR COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) (ANNEXATION NO. 12)

SUMMARY:
Hold a Public Hearing to consider annexing Oak Springs Ranch II into CFD 2022-1 for Maintenance Services, hold a special election, and declare the election results.

BACKGROUND:
On August 14, 2024, the City Council adopted Resolution No. 2024-52, declaring its intention to annex territory to Community Facilities District No. 2022-1 (Services) (the “CFD No. 2022-1” or “CFD”) and commence the annexation proceedings for the territory to be annexed, also known as Annexation No. 12 (Oak Springs Ranch II Apartments). A public hearing has been set for October 9, 2024 to conduct an election for the landowners and to declare the results of

that election.

DISCUSSION:
As required by the Resolution of Intention, an annexation map was recorded on August 21, 2024, at 8:46 a.m. in Book 93, Page 79, Document No. 2024-0250422 of Maps of Assessment and Community Facilities Districts with the Riverside County Recorder.

The Resolution of Intention was adopted by the City Council in response to a petition filed by the property owners, OSR2 R&V Investors, LLC and TMW Oak Springs 2 Del, LLC, for PP 20-0044 containing 12.89 gross acres within the City and have requested that the City assist them in annexing territory into CFD No. 2022-1 (Services) to cover the costs associated with the maintenance of public improvements. The improvements proposed to be maintained include items such as street maintenance, drainage, parks, trails, and graffiti abatement.

The area proposed within Annexation No. 12 will encompass 12.89 acres to include 288 residential units, with a FY 2024-25 maximum annual tax of $469 per unit, per year. The property proposed to be annexed into CFD No. 2022-1 will be included in Tax Zone 12. This tax rate includes a Maximum Special Tax A of $133 per unit per year for maintenance services of public facilities, and Maximum Special Tax B of $336.26 per unit per year. Maximum Special Tax A will increase by the greater of Consumer Price Index (CPI) or 2% and Special Tax B will increase by the greater of CPI or 5%, both not to exceed 6%. OSR2 R&V Investors, LLC, and TMW Oak Springs 2 Del, LLC, have agreed to the annexation into the CFD and submitted a "Consent and Waiver" form on file in the City Clerk's Office, to initiate and conduct proceedings pursuant to the Mello-Roos Act of 1982, requesting the annexation of property to CFD No. 2022-1 (Services) and consenting to the shortening of election time requirements, waiving analysis and arguments, and waiving all notice requirements relating to conduct the election.

FISCAL IMPACT:
The projected levy for Tax Zone 12 in FY 2024-25 is $38,185 for the first year of Special Tax A maintenance services. Special Tax B will generate $96,843 once all 288 units are developed. These levies are intended to offset the City’s future costs to maintain the public improvements. Costs associated with the processing of this annexation are covered by developer fees and deposits. There is no impact to the General Fund.

ACCOUNT CODE:
Fund 612 CFD 2022-1 Special Tax A

ATTACHMENTS:
1 - Project Map for Annexation 12
2 - Resolution Calling an Election
2A - Resolution Exhibits
3 - Resolution Declaring Election Results
3A - Resolution Exhibit A, Certificate of Election Results

PROJECT MAP

CFD NO. 2022-1 (SERVICES)
ANNEXATION NO. 12

SPICER CONSULTING GROUP

RESOLUTION NO. 2024-_____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, CALLING AN ELECTION TO SUBMIT TO THE QUALIFIED ELECTORS THE QUESTION OF LEVYING A SPECIAL TAX WITHIN THE AREA PROPOSED TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) (ANNEXATION NO. 12)

WHEREAS, on April 13, 2022, the City Council (the "City Council") of the City of Wildomar (the "City") approved Resolution No. 2022-11 declaring the City's intention to establish Community Facilities District No. 2022-1 (Services) of the City of Wildomar, County of Riverside, State of California (the "CFD No. 2022-1") for the purpose of levying special taxes on parcels of taxable property therein for the purpose of providing certain services which are necessary to meet increased demands placed upon the City as a result of the development of said real property; and

WHEREAS, the City Council set a public hearing for June 8, 2022, after which the Council adopted Resolution No. 2022-30 forming the CFD No. 2022-1 and calling a special election at which the questions of levying a special tax and establishing an appropriations limit with respect to the CFD No. 2022-1 were submitted to the qualified electors within the CFD No. 2022-1; and

WHEREAS, on June 8, 2022, the City Council adopted Resolution No. 2022-31 declaring the results of the special election and finding that more than two-thirds (2/3) of all votes cast at the special election were cast in favor of the proposition presented, and such proposition passed; and

WHEREAS, the City Council is authorized by Article 3.5 (commencing with Section 53339) of Chapter 2.5 of Part 1 of Division 2 of Title 5 of the Government Code as amended (the "Act"), to annex territory into an existing community facilities district by complying with the procedures set forth in said Article 3.5; and

WHEREAS, the City Council on August 14, 2024, duly adopted Resolution No. 2024-52 (the "Resolution of Intention") declaring its intention to annex certain territory to CFD No. 2022-1 (Services) and to levy a special tax within that territory to pay for certain services and setting a time and place for the public hearing on the proposed annexation for October 9, 2024; and

WHEREAS, the territory proposed to be annexed is identified in the map entitled "Annexation Map No. 12 Community Facilities District No. 2022-1 (Services)" a copy of which was recorded, on August 21, 2024, in Book 93 of Maps of Assessment and Community Facilities Districts at Page 79, in the office of the Riverside County Recorder; and

WHEREAS, pursuant to the Act and the Resolution of Intention, a notice of public hearing was convened by the City Council on October 9, 2024, not earlier than the hour

of 6:00 p.m. at the City Hall located at 23873 Clinton Keith Road, Wildomar, California 92595, relative to the proposed annexation of said territory to CFD No. 2022-1; and

WHEREAS, written protests have not been filed by fifty percent (50%) or more of the registered voters residing within the CFD No 2022-1, or by fifty percent (50%) or more of the registered voters residing within the territory to be annexed, or by the owners of one-half (1/2) or more of the area within the CFD No. 2022-1, or by the owners of one-half (1/2) or more of the territory to be annexed; and

WHEREAS, the City Council has determined that there are fewer than twelve registered voters residing in the territory proposed to be annexed to the CFD No. 2022-1 and that the qualified electors in such territory are the landowners; and

WHEREAS, on the basis of all of the foregoing, the City Council has determined at this time to call an election to authorize the annexation of territory to the CFD No. 2022-1 and the levying of a special tax as described in Exhibit A hereto; and

WHEREAS, the City Council has received a written instrument from each landowner in the territory proposed to be annexed to the CFD No. 2022-1 consenting to the shortening of election time requirements, waiving analysis and arguments, waiving all notice requirements, and waiving word limit requirements for the ballot relating to the conduct of the election; and

WHEREAS, the City Clerk has concurred in the election date set forth herein.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WILDOMAR, ACTING EX OFFICIO AS THE LEGISLATIVE BODY OF COMMUNITY FACILITIES DISTRICT 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, DETERMINE AND ORDER AS FOLLOWS:

Section 1 Recitals. The foregoing recitals are true and correct.

Section 2. Conformation of Finding in Resolution of Intention. The City Council reconfirms all of its findings and determinations as set forth in the Resolution of Intention.

Section 3. Findings Regarding Protests. The City Council finds and determines that written protests to the proposed annexation of territory to the CFD No. 2022-1 and the levy of the special tax within such territory are insufficient in number and in amount under the Act, and the City Council hereby further orders and determines that all such protests are hereby overruled.

Section 4. Findings Regarding Prior Proceedings. The City Council finds and determines that all prior proceedings had and taken by the City Council with respect to the annexation of territory to CFD No. 2022-1 are valid and in conformity with the requirements of the Act.

Section 5. Levy of Special Tax. As stated in the Resolution of Intention, except where funds are otherwise available, subject to the approval of the qualified electors of territory proposed to be annexed to CFD No. 2022-1, a special tax sufficient to pay the costs of the Services (including incidental expenses as described in the Resolution of Intention), secured by recordation of a continuing lien against all nonexempt real property in CFD No. 2022-1, will be levied annually in CFD No. 2022-1. The rate and method of apportionment, and manner of collection of the special tax are specified in Exhibit A hereto.

Section 6. Apportionment of Tax. The special tax as apportioned to each parcel is based on the cost of making the Services available to each parcel, or other reasonable basis, and is not based on or upon the ownership of real property.

Section 7. Tax Roll Preparation. The office of the Public Works Director, 23873 Clinton Keith Road., City of Wildomar, is hereby designated as the office that will be responsible for annually preparing a current roll of special tax levy obligations by assessor's parcel number and that will be responsible for estimating future special tax levies pursuant to Government Code section 53340.2. The Public Works Director may cause these functions to be performed by his or her deputies, assistants, or other designated agents.

Section 8. Accountability Measures. Pursuant to Section 50075.1 of the California Government Code, the City shall create a separate account into which tax proceeds will be deposited; and the Public Works Director annually shall file a report with the City Council that will state (a) the amount of funds collected and expended and (b) the status of the Services financed in CFD No. 2022-1.

Section 9. Special Election; Voting Procedures. The City Council hereby submits the questions of levying the special tax within the territory proposed to be annexed to the qualified electors, in accordance with and subject to the Act. The special election shall be held on October 9, 2024, and shall be conducted as follows:

(a) Qualified Electors. The City Council hereby determines that the Services are necessary to meet increased demands placed upon the City as a result of development occurring within the boundaries of CFD No. 2022-1. Because fewer than twelve registered voters resided within the territory proposed to be annexed to CFD No. 2022-1 on August 22, 2024 (a date within the 90 days preceding the close of the public hearing on the territory proposed to be annexed to CFD No. 2022-1), the qualified electors shall be the landowners within territory proposed to be annexed, and each landowner who was the owner of record at the close of the hearing shall have one vote for each acre or portion of an acre of land that such landowner owns within the territory proposed to be annexed to CFD No. 2022-1.

(b) Consolidation of Elections; Combination of Propositions on Ballot. The election on the question of levying the special tax and establishing an appropriations limit for CFD No. 2022-1 shall be consolidated, and the two proportions shall be combined into a single ballot proposition for submission to the voters, as authorized by Government Code Section 53353.5.

(c) Mail Ballot Election. Pursuant to Government Code section 53327.5, the election shall be conducted as a mail ballot election. The City Council hereby ratifies the City Clerk's delivery of a ballot to each landowner within the territory proposed to be annexed to CFD No. 2022-1. The City Council hereby ratifies the form of the ballot, which is attached hereto as Exhibit B. The full text of the ballot for said elections shall be as set forth in Exhibit C and shall be included in the ballot pamphlet mailed to each qualified elector.

(d) Return of Ballots. The City Clerk shall accept the ballots of the landowners up to 6:00 p.m. on October 9, 2024. The City Clerk shall have available ballots that may be marked at the City Clerk's office on the election day by voters. Once all qualified electors have voted, the City Clerk may close the election.

(e) Canvass of Election. The City Clerk shall commence the canvass of the returns of the special election as soon as the election is closed (on October 9, 2024, or when all qualified electors have voted) at the City Clerk's office. At the conclusion of the canvass, the City Clerk shall declare the results of the election.

(f) Declaration of Results. The City Council shall declare the results of the special election following the completion of the canvass of the returns and shall cause to be inserted into its minutes a statement of the results of the special election as ascertained by the canvass of the returns.

Section 10. Filing of Resolution and Map with City Clerk. The City Council hereby directs the City Clerk to file a copy of this resolution and the annexation map of the boundaries of CFD No. 2022-1 in his/her office.

PASSED, APPROVED AND ADOPTED this 9th day of October 2024:

_____
Bridgette Moore
Mayor

APPROVED AS TO FORM:

_____
Thomas D. Jex
City Attorney

ATTEST:

_____
Janet Morales
City Clerk

EXHIBIT A

RATE AND METHOD OF APPORTIONMENT

RATES AND METHOD OF APPORTIONMENT OF SPECIAL TAX FOR COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR

Special Taxes (defined below) shall be levied on and collected from each Assessor's Parcel (defined below) in Community Facilities District No. 2022-1 (Services) of the City of Wildomar (the "CFD No. 2022-1" or "CFD"; defined below), in each Fiscal Year, (defined below), commencing in the Fiscal Year beginning July 1, 2022, in an amount determined by the City Council of the City of Wildomar, acting ex officio as the legislative body of CFD No. 2022-1, by applying the rates and method of apportionment set forth below. All of the real property in CFD No. 2022-1, unless exempted by law or by the provisions herein, shall be taxed to the extent and in the manner provided herein.

A. DEFINITIONS

"Accessory Dwelling Unit" means a residential unit of limited size including a smaller second unit that shares an Assessor's Parcel as a Single Family Residential Property with a stand-alone Residential Unit.

"Acre" or **"Acreage"** means the land area of an Assessor's Parcel as shown on any Assessor's Parcel Map, or if the land area is not shown on the Assessor's Parcel Map, the land area as shown on the applicable Final Map, or if the area is not shown on the applicable Final Map, the land area shall be calculated by the Administrator.

"Administrative Expenses" means the actual or reasonably estimated costs directly related to the formation, annexation, and administration of CFD No. 2022-1 including, but not limited to: the costs of computing the Special Taxes and preparing the annual Special Tax collection schedules (whether by the City or designee thereof or both); the costs to the City, CFD No. 2022-1, or any designee thereof associated with fulfilling the CFD No. 2022-1 disclosure requirements; the costs associated with responding to public inquiries regarding the Special Taxes; the costs of the City, CFD No. 2022-1 or any designee thereof related to an appeal of the Special Tax; and the City's annual administration fees and third party expenses. Administrative Expenses shall also include amounts estimated or advanced by the City or CFD No. 2022-1 for any other administrative purposes of CFD No. 2022-1, including attorney's fees and other costs related to commencing and pursuing to completion any foreclosure of delinquent Special Taxes.

"Administrator" means the City Manager of the City of Wildomar, or his or her designee.

"Approved Property" means all Assessor's Parcels of Taxable Property that are included in a Final Map that was recorded prior to the March 1 of preceding the Fiscal Year in which the Special Tax is being levied and for which no building permit for new construction has been issued on or prior to March 1 preceding the Fiscal Year in which the Special Tax is being levied.

"Assessor's Parcel" means a lot or parcel of land that is identifiable by an Assessor's Parcel Number by the County Assessor of the County of Riverside.

"Assessor's Parcel Map" means an official map of the Assessor of the County designating parcels by Assessor's Parcel Number.

"Assessor's Parcel Number" means that identification number assigned to a parcel by the County Assessor of the County.

"Building Permit" means the first legal document issued by the City giving official permission for new

construction. For purposes of this definition, "Building Permit" may or may not include expired or cancelled building permits, or any subsequent building permit document(s) authorizing new construction on an Assessor's Parcel that are issued or changed by the City after the first original issuance, as determined by the CFD Administrator

"Building Square Footage" or **"BSF"** means the floor area square footage reflected on the original construction building permit issued for construction of a building of Non-Residential Property and any Building Square Footage subsequently added to a building of such Taxable Property after issuance of a building permit for expansion or renovation of such building.

"Calendar Year" means the period commencing January 1 of any year and ending the following December 31.

"CFD" or **"CFD No. 2022-1"** means Community Facilities District No. 2022-1 (Services) of the City of Wildomar.

"City" means the City of Wildomar.

"Contingent Services" means services permitted under the Mello-Roos Community Facilities Act of 1982 including, without limitation, those services authorized to be funded by CFD No. 2022-1 as set forth in the documents adopted by the City Council at the time the CFD was formed to be provided by the City in the event the Administrator makes a determination pursuant to Section C(3) that a Property Owners' Association fails to adequately provide such services.

"County" means the County of Riverside.

"Developed Property" means all Assessor's Parcels that: (i) are included in a Final Map that was recorded prior to the January 1st preceding the Fiscal Year in which the Special Tax is being levied, and (ii) have an Assessor's Parcel Number from the County shown on an Assessor's Parcel Map for the individual lot included on the Final Map, and (iii) a Building Permit for new construction was issued on or before May 1st preceding the Fiscal Year in which the Special Tax is being levied.

"Exempt Property" means all Assessors' Parcels designated as being exempt from the Special Tax as provided for in Section G.

"Final Map" means a subdivision of property by recordation of a final map, parcel map, or lot line adjustment, pursuant to the Subdivision Map Act (California Government Code Section 66410 et seq.) or recordation of a condominium plan pursuant to California Civil Code 6624 that creates individual lots for which building permits may be issued without further subdivision.

"Fiscal Year" means the period from and including July 1st of any year to and including the following June 30th.

"Land Use Category" or **"LUC"** means, any of the categories contained in Section B hereof to which an Assessor's Parcel is assigned consistent with the land use approvals that have been received or proposed for the Assessor's Parcel as of March 1 preceding the Fiscal Year in which the Special Tax is being levied.

"Maximum Special Tax" means the Maximum Special Tax A, Maximum Special Tax B, and/or Maximum Special Tax C (Contingent), as applicable.

"Maximum Special Tax A" means the Maximum Special Tax A, as determined in accordance with Section C, below, that can be levied in any Fiscal Year on any Assessor's Parcel within CFD No. 2022-1.

"Maximum Special Tax B" means the Maximum Special Tax B, as determined in accordance with Section C, below, that can be levied in any Fiscal Year on any Assessor's Parcel within CFD No. 2022-1.

"Maximum Special Tax C (Contingent)" means for each Assessor's Parcel and each Fiscal Year, the maximum Special Tax C (Contingent), as determined in accordance with Section C below that can be levied on such Assessor's Parcel in such Fiscal Year.

"Multi-Family Residential Property" or **"MFR"** means any Assessor's Parcel of residential property that consists of a building or buildings comprised of attached Residential Units available for rental, but not purchase, by the general public and under common management.

"Non-Residential Property" or **"NR"** means, all Assessor's Parcels of Taxable Property for which a building permit(s) was issued for a non-residential use. The Administrator shall make the determination if an Assessor's Parcel is Non-Residential Property.

"Property Owner's Association" or **"POA"** means the property owner's association or homeowner's association established to maintain certain services within a Tax Zone.

"Proportionately" means for Taxable Property that is: (i) Developed Property, that the ratio of the actual Special Tax levy to the Maximum Special Tax is the same for all Parcels of Developed Property, (ii) Approved Property, that the ratio of the actual Special Tax levy to the Maximum Special Tax is the same for all Parcels of Approved Property, and (iii) Undeveloped Property that the ratio of the actual Special Tax levy per acre to the Maximum Special Tax per acre is the same for all Parcels of Undeveloped Property.

"Residential Unit" or **"RU"** means a residential unit that is used or intended to be used as a domicile by one or more persons, as determined by the Administrator. An Accessory Dwelling Unit that shares an Assessor's Parcel with a Single Family Residential Property shall not be considered a Residential Unit for purposes of this RMA.

"Residential Property" means all Assessor's Parcels of Taxable Property upon which completed Residential Units have been constructed or for which building permits have been or may be issued for purposes of constructing one or more Residential Units.

"RMA" means this Rate and Method of Apportionment of Special Taxes.

"Service(s)" means services permitted under the Mello-Roos Community Facilities Act of 1982 including, without limitation, those services authorized to be funded by CFD No. 2022-1 as set forth in the documents adopted by the City Council at the time the CFD was formed.

"Single Family Residential Property" or **"SFR"** means any residential property that consists of a building comprised of attached or detached residential units available for purchase or rent by the general public.

"Special Tax(es)" means the Special Tax A and/or Special Tax B and/or Special Tax C (Contingent) to be levied in each Fiscal Year on each Assessor's Parcel of Taxable Property.

"Special Tax A" means the annual special tax to be levied in each Fiscal Year on each Assessor's Parcel of Taxable Property to fund the Special Tax A Requirement.

"Special Tax A Requirement" means that amount to be collected in any Fiscal Year to pay for certain costs as required to meet the needs of CFD No. 2022-1 in the next Fiscal Year. The costs to be covered shall be the direct costs for maintenance services including but not limited to (i) maintenance and lighting of parks, parkways, streets, roads, and open space, (ii) maintenance and operation of water quality improvements, (iii) public street sweeping, (iv) fund an operating reserve for the costs of Services as determined by the Administrator, and (v) Administrative Expenses. Under no circumstances shall the Special Tax A Requirement include funds for bonds or other forms of indebtedness.

"Special Tax B" means the annual special tax to be levied in each Fiscal Year on each Assessor's Parcel of Developed Property to fund the Special Tax B Requirement.

"Special Tax B Requirement" means that amount to be collected in any Fiscal Year to pay for certain costs as required to meet the needs of CFD No. 2022-1 in the next Fiscal Year. The costs to be covered shall be the direct costs for (i) police protection services, (ii) fire protection and suppression services, (iii) fund an operating reserve for the costs of Services as determined by the Administrator, and (iv) Administrative Expenses. Under no circumstances shall the Special Tax B Requirement include funds for bonds or other forms of indebtedness.

"Special Tax C (Contingent)" means the annual special tax to be levied in each Fiscal Year on each Assessor's Parcel of Taxable Property to fund the Special Tax C (Contingent) Requirement, if required.

"Special Tax C (Contingent) Requirement" means that amount required in any Fiscal Year, if the POA is unable to maintain the Contingent Service(s) to: (i) pay the costs of Contingent Services incurred or otherwise payable in the Calendar Year commencing in such Fiscal Year; (ii) fund an operating reserve for the costs of Contingent Services as determined by the Administrator; less a credit for funds available to reduce the annual Special Tax C (Contingent) levy as determined by the Administrator. Under no circumstances shall the Special Tax C (Contingent) Requirement include funds for bonds or other forms of indebtedness..

"Taxable Property" means all Assessor's Parcels within CFD No. 2022-1, which are not Exempt Property.

"Taxable Unit" means a Residential Unit, Building Square Footage, or an Acre.

"Tax Zone" means a mutually exclusive geographic area, within which particular Special Tax rates may be levied pursuant to this Rate and Method of Apportionment of Special Tax.

"Tax Zone Original" means the geographic area the specific area identified on the CFD Boundary Map as Tax Zone Original.

"Tract(s)" means an area of land within a subdivision identified by a particular tract number on a Final Map approved for the subdivision.

"Undeveloped Property" means, for each Fiscal Year, all Taxable Property not classified as Developed Property or Approved Property.

B. ASSIGNMENT TO LAND USE CATEGORIES

For each Fiscal Year, all Assessor's Parcels of Taxable Property within CFD No. 2022-1 shall be classified as Developed Property, Approved Property, or Undeveloped Property, and shall be subject to the levy of Special Taxes as determined pursuant to Sections C and D below. Assessor's Parcels of Developed Property

and Approved Property shall be classified as either Residential Property or Non-Residential Property. Residential Property shall be further classified as Single Family Residential Property or Multi-Family Residential Property and the number of Residential Units shall be determined by the Administrator.

C. MAXIMUM SPECIAL TAX RATES

For purposes of determining the applicable Maximum Special Tax for Assessor's Parcels of Developed Property and Approved Property which are classified as Residential Property, all such Assessor's Parcels shall be assigned the number of Residential Unit(s) constructed or to be constructed thereon as specified in or shown on the building permit(s) issued or Final Map as determined by the Administrator. Once a single family attached or multi-family building or buildings have been built on an Assessor's Parcel, the Administrator shall determine the actual number of Residential Units contained within the building or buildings, and the Special Tax A and Special Tax C (Contingent) levied against the Assessor's Parcel in the next Fiscal Year shall be calculated by multiplying the actual number of Residential Units by the Maximum Special Tax per Residential Unit for the Tax Zone below or as included in Appendix A as each annexation occurs.

For purposes of determining the applicable Maximum Special Tax for Assessor's Parcels of Developed Property and Approved Property which are classified as Non-Residential Property, all such Assessor's Parcels shall be assigned the number of Building Square Footage or Acres as shown on the Final Map as determined by the Administrator. Once the Administrator determines the actual number of Building Square Footage or Acres for the Assessor's Parcels, the Special Tax A, Special Tax B, and Special Tax C (Contingent) levied against the Assessor's Parcel in the next Fiscal Year shall be calculated by multiplying the number of Building Square Footage or Acres by the Maximum Special Tax per Taxable Unit identified for the applicable Tax Zone below or as included in Appendix A as each annexation occurs.

1. Special Tax A

a. Developed Property

(i) Maximum Special Tax A

The Maximum Special Tax A for each Assessor's Parcel of Developed Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this RMA shall be updated to reflect the Maximum Special Tax A for Developed Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Developed Property for such Tract or Tracts as specified in such updated Appendix A for the annexed property which shall reflect the Maximum Special Tax for the Tract or Tracts annexed. The Maximum Special Tax A for Fiscal Year 2022-2023 for a Residential Unit of Developed Property within the Tax Zone Original are identified in Table 1 below:

TABLE 1
MAXIMUM SPECIAL TAX A RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Single Family Residential Property	RU	$408
		Multi-Family Residential Property	RU	$408
		Non-Residential Property	Acre	$5,267

(ii) Increase in the Maximum Special Tax A

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

(iii) Multiple Land Use Categories

In some instances an Assessor's Parcel of Developed Property may contain more than one Land Use Category. The Maximum Special Tax A that can be levied on an Assessor's Parcel shall be the sum of the Maximum Special Tax A that can be levied for each Land Use Category located on that Assessor's Parcel. For an Assessor's Parcel that contains more than one land use, the Acreage of such Assessor's Parcel shall be allocated to each type of property based on the amount of Acreage designated for each land use as determined by reference to the site plan approved for such Assessor's Parcel. The Administrator's allocation to each type of property shall be final.

b. Approved Property

The Maximum Special Tax A for each Assessor's Parcel of Approved Property in Table 2 is specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, the Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax A for Approved Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Approved Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax A for Fiscal Year 2022-2023 per Residential Unit for Approved Property within Tax Zone Original is identified in Table 2 below:

TABLE 2
MAXIMUM SPECIAL TAX A RATES
APPROVED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Single Family Residential Property	RU	$408
		Multi-Family Residential Property	RU	$408
		Non-Residential Property	Acre	$5,267

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Approved Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

c. Undeveloped Property

The Maximum Special Tax A for each Assessor's Parcel of Undeveloped Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method adopted shall be updated to reflect the Maximum Special Tax A for Undeveloped Property for the Tract or Tracts annexed and the Special Tax A shall be levied up to the Maximum Special Tax A for Undeveloped Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax A for Fiscal Year 2022-2023 per acre of Undeveloped Property within Tax Zone Original is identified in Table 3 below:

TABLE 3
MAXIMUM SPECIAL TAX A RATES
UNDEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tracts	Taxable Unit	Maximum Special Tax A
Original	TR 36672	Acre	$5,267

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax A for Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

2. Special Tax B

The Special Tax B is an annual Special Tax that shall be levied on Developed Property to fund the Special Tax B Requirement.

a. Developed Property

(i) Maximum Special Tax B

The Maximum Special Tax B for Fiscal Year 2022-2023 for each Land Use Category within Tax Zone Original is shown in Table 4. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax B for the Tract or Tracts annexed and the Special Tax B shall be levied up to the Maximum Special Tax B for Developed Property for such Tract or Tracts as specified in such updated Appendix A.

TABLE 4
MAXIMUM SPECIAL TAX B RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Land Use Category	Unit	Maximum Special Tax B
Single Family Residential Property	RU	$430
Multi-Family Residential Property	RU	$305

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by five percent (5.0%), whichever is greater.

The Special Tax B shall not be levied on Approved or Undeveloped Property.

3. Special Tax C (Contingent)

The City Council shall levy Special Tax C (Contingent) only in the event the POA defaults in its obligation to maintain the Contingent Services, which default shall be deemed to have occurred, as determined by the Administrator, in each of the following circumstances:

(a) The POA files for bankruptcy;
(b) The POA is dissolved;
(c) The POA ceases to levy annual assessments for the Contingent Services; or
(d) The POA fails to provide the Contingent Services at the same level as the City provides similar services and maintains similar improvements throughout the City and within ninety (90) days after written notice from the City, or such longer period permitted by the City Manager, fails to remedy the deficiency to the reasonable satisfaction of the City Council.

a. <u>Developed Property</u>

(i) <u>Maximum Special Tax C (Contingent)</u>

The Maximum Special Tax C (Contingent) for each Assessor's Parcel of Taxable Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Developed Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 5 below:

TABLE 5
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
DEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Single Family Residential Property	RU	$261
		Multi-Family Residential Property	RU	$261
		Non-Residential Property	Acre	$3,372

(ii) Increase in the Maximum Special Tax C (Contingent)

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

(iii) Multiple Land Use Categories

In some instances, an Assessor's Parcel of Developed Property may contain more than one Land Use Category. The Maximum Special Tax C (Contingent) that can be levied on an Assessor's Parcel shall be the sum of the Maximum Special Tax C (Contingent) that can be levied for each Land Use Category located on that Assessor's Parcel. For an Assessor's Parcel that contains more than one land use, the Acreage of such Assessor's Parcel shall be allocated to each type of property based on the amount of Acreage designated for each land use as determined by reference to the site plan approved for such Assessor's Parcel. The Administrator's allocation to each type of property shall be final.

b. Approved Property

The Maximum Special Tax C (Contingent) for each Assessor’s Parcel of Approved Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Approved Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 6 below:

TABLE 6
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
APPROVED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Land Use Category	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Single Family Residential Property	RU	$261
		Multi-Family Residential Property	RU	$261
		Non-Residential Property	Acre	$3,372

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Approved Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

c. Undeveloped Property

The Maximum Special Tax C (Contingent) for each Assessor's Parcel of Undeveloped Property shall be specific to each Tax Zone within the CFD. When additional property is annexed into CFD No. 2022-1, Appendix A to this rate and method shall be updated to reflect the Maximum Special Tax C (Contingent) for the Tract or Tracts annexed and the Special Tax C (Contingent) shall be levied up to the Maximum Special Tax C (Contingent) for Undeveloped Property for such Tract or Tracts as specified in such updated Appendix A. The Maximum Special Tax C (Contingent) for Fiscal Year 2022-2023 within Tax Zone Original is identified in Table 7 below:

TABLE 7
MAXIMUM SPECIAL TAX C (CONTINGENT) RATES
UNDEVELOPED PROPERTY
FISCAL YEAR 2022-2023

Tax Zone	Tract	Taxable Unit	Maximum Special Tax C (Contingent)
Original	TR 36672	Acre	$3,372

On each July 1, commencing on July 1, 2023 with respect to Tax Zone Original, the Maximum Special Tax C (Contingent) for Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

D. METHOD OF APPORTIONMENT OF ANNUAL SPECIAL TAX

1. Special Tax A

Commencing with Fiscal Year 2022-2023 and for each following Fiscal Year in which Special Tax A is authorized to be levied, the Council shall determine the Special Tax A Requirement and shall levy

the Special Tax A on all Assessor's Parcels of Taxable Property until the aggregate amount of Special Tax A equals the Special Tax A Requirement. The Special Tax A shall be levied for each Fiscal Year within each Tax Zone as follows:

First: The Special Tax A shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax A to satisfy the Special Tax A Requirement;

Second: If additional moneys are needed to satisfy the Special Tax A Requirement after the first step has been completed, the Special Tax A shall be levied Proportionately on each Parcel of Approved Property at up to 100% of the Maximum Special Tax A for Approved Property;

Third: If additional monies are needed to satisfy the Special Tax A Requirement after the first two steps has been completed, the Special Tax A shall be levied Proportionately on all Assessor's Parcels of Undeveloped Property up to 100% of the Maximum Special Tax A for Undeveloped Property.

2. Special Tax B

Commencing with Fiscal Year 2022-2023 and for each following Fiscal Year, the Council shall determine the Special Tax B Requirement and shall levy the Special Tax B until the aggregate amount of Special Tax B equals the Special Tax B Requirement.

The Special Tax B shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax B to satisfy the Special Tax B Requirement.

3. Special Tax C (Contingent)

Commencing with the first Fiscal Year in which Special Tax C (Contingent) is authorized to be levied and for each following Fiscal Year, the City Council shall determine the Special Tax C (Contingent) Requirement for each Tax Zone, if any, and shall levy the Special Tax on all Assessor's Parcels of Taxable Property within such Tax Zone until the aggregate amount of Special Tax C (Contingent) equals the Special Tax C (Contingent) Requirement for such Tax Zone. The Special Tax C (Contingent) shall be levied for each Fiscal Year as follows:

First: The Special Tax C (Contingent) shall be levied Proportionately on all Assessor's Parcels of Developed Property up to 100% of the applicable Maximum Special Tax C (Contingent) to satisfy the Special Tax C (Contingent) Requirement;

Second: If additional moneys are needed to satisfy the Special Tax C (Contingent) Requirement after the first step has been completed, the Special Tax C (Contingent) shall be levied Proportionately on each Parcel of Approved Property at up to 100% of the Maximum Special Tax C (Contingent) for Approved Property;

Third: If additional monies are needed to satisfy the Special Tax C (Contingent) Requirement after the first two steps has been completed, the Special Tax C (Contingent) shall be levied Proportionately on all Assessor's Parcels of Undeveloped Property up to 100% of the Maximum Special Tax C (Contingent) for Undeveloped Property.

E. FUTURE ANNEXATIONS

It is anticipated that additional properties will be annexed to CFD No. 2022-1 from time to time. As each annexation is proposed, an analysis will be prepared to determine the annual cost for providing Services. Based on this analysis, the property to be annexed, pursuant to California Government Code section 53339 et seq. will be assigned to the appropriate Maximum Special Tax rate for the Tract or Tracts when annexed.

F. TERM OF SPECIAL TAX

For each Fiscal Year, the Special Taxes shall be levied as long as the Services are being provided.

G. EXEMPTIONS

The City shall classify as Exempt Property within CFD No. 2022-1, any Assessor's Parcel in any of the following categories; (i) Assessor's Parcels which are owned by, irrevocably offered for dedication, encumbered by or restricted in use by any public entity; (ii) Assessor's Parcels with public or utility easements making impractical their utilization for other than the purposes set forth in the easement; (iii) Assessor's Parcels which are privately owned but are encumbered by or restricted solely for public uses; or (iv) any Assessor's Parcel which is in use in the performance of a public function as determined by the Administrator. No Special Tax shall be levied on property which, at the time of adoption of the Resolution of Formation for CFD No. 2022-1, is an Exempt Property.

H. APPEALS

Any property owner claiming that the amount or application of the Special Taxes are not correct may file a written notice of appeal with the City not later than twelve months after having paid the first installment of the Special Tax(es) that is disputed. A representative(s) of CFD No. 2022-1 shall promptly review the appeal, and if necessary, meet with the property owner, consider written and oral evidence regarding the amount of the Special Tax, and rule on the appeal. If the representative's decision requires that the Special Tax for an Assessor's Parcel be modified or changed in favor of the property owner, a cash refund shall not be made, but an adjustment shall be made to the Special Tax on that Assessor's Parcel in the subsequent Fiscal Year(s).

I. MANNER OF COLLECTION

The Special Tax(es) shall be collected in the same manner and at the same time as ordinary ad valorem property taxes, provided, however, that CFD No. 2022-1 may collect the Special Tax at a different time or in a different manner if necessary to meet its financial obligations.

APPENDIX A

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)

COST ESTIMATE

Special Tax A Services – The estimate breaks down the costs of providing one year's maintenance services for FY 2024-2025. These services are being funded by the levy of Special Tax A for Community Facilities District No. 2022-1 (Services).

TAX ZONE 12 – SPECIAL TAX A
PP 20-0044

Item	Description	Estimated Cost
1	Streets	$1,389
2	Drainage	$315
3	Parks	$26,382
4	Trails	$675
5	Graffiti	$614
6	Reserves	$4,255
7	Admin	$4,556
Total		**$38,185**

Special Tax B Services – It is estimated that the cost of providing Police and Fire Protection services being funded by Special Tax B for the Community Facilities District No. 2022-1 (Services) as outlined in Exhibit "B" hereto, will be as follows for the first year:

TAX ZONE 12 – SPECIAL TAX B
PP 20-0044

Land Use Category	Unit	Maximum Special Tax B
Multi-Family Residential Property	RU	$336.26

Special Tax C (Contingent) Services – There are no maintenance services proposed to be funded by the levy of Special Tax C (Contingent) for Community Facilities District No. 2022-1 Tax Zone 12.

TAX ZONE 12
PP 20-0044
FY 2024-2025 MAXIMUM SPECIAL TAX RATES

Taxable Property	Land Use Category	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B	Maximum Special Tax C (Contingent)
Developed Property	Multi-Family Residential	RU	$133	$336.26	$0
Approved Property	Multi-Family Residential	RU	$133	N/A	$0
Undeveloped Property	N/A	Acre	$2,962	N/A	$0

MAXIMUM SPECIAL TAXES ASSIGNED TO EACH TAX ZONE
FOR DEVELOPED PROPERTY

Tax Zone	Fiscal Year Included	Tract	No. of Taxable Units	LUC	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B	Maximum Special Tax C (Contingent)	Subdivider
Original	2022-23	TR 36672	136	SFR	RU	$408	$430	$261	Lennar Homes
1	2022-23	PP 13-0089	170	MFR	RU	$203	$305	$0	Villa Siena Property LLC
2	2022-23	TR 37476	77	SFR	RU	$583	$430	$262	KB Home Coastal Inc.
3	To Be Determined								
4	2023-24	PM 37941	9.62	NR	Acre	$4,060	$0	$0	Strata Baxter, LLC and Kaiser Foundation Health Plan, Inc.
5	2023-24	TR 31896	117	SFR	RU	$788	$451.50	$503	D.R. Horton Los Angeles Holding Co.
6	2023-24	LLA 2022-004	89	MFR	RU	$153	$320.25	$0	Wildomar Tres Lagos Partners LP
7	2024-25	TR 36781/36782	191	SFR	RU	$341	$474.08	$53	CRP/CWR Westpark Project, LLC
8	2023-24	LLA 2022-004	88	MFR	RU	$153	$320.25	$0	Palm Communities
9	2023-24	PP 21-0138	1.15	NR	Acre	$2,700	$0	$2,372	DMSD Cajun Properties LLC
10	2023-24	LLA 2020-008	20.20	NR	Acre	$251	$0	$433	Faith Bible Church Murrieta
11	2024-25	PM 38646	20.46	NR	Acre	$2,299	$0	$2,069	White Sable LLC and Wildomar One LLC
12	2024-25	PP 20-0044	288	MFR	RU	$133	$336.26	$0	OSR2 R&V Investors, LLC and TMW Oak Springs 2 Del, LLC

ESCALATION OF MAXIMUM SPECIAL TAXES

Maximum Special Tax A - On each July 1, the Maximum Special Tax A for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

Maximum Special Tax B - On each July 1, the Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by five percent (5.0%), whichever is greater.

Maximum Special Tax C (Contingent) - On each July 1, the Maximum Special Tax C (Contingent) for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year, not to exceed 6%, or ii) by two percent (2.0%), whichever is greater.

EXHIBIT B

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
DESCRIPTION OF AUTHORIZED SERVICES

The services which may be financed with proceeds of the special tax of CFD No. 2022-1, as provided by Section 53313 of the Act, will include all costs attributable to maintaining, servicing, cleaning, repairing and/or replacing landscaped areas (may include reserves for replacement) in public street right-of-ways, public landscaping, public open spaces and other similar landscaped areas officially dedicated for public use. In addition, the services which may include some or all costs attributable to police protection, and fire services. These services including the following:

(a) maintenance and lighting of parks, parkways, streets, roads and open space, which maintenance and lighting services may include, without limitation, furnishing of electrical power to street lights; repair and replacement of damaged or inoperative light bulbs, fixtures and standards; maintenance (including irrigation and replacement) of landscaping vegetation situated on or adjacent to parks, parkways, streets, roads and open space; maintenance and repair of irrigation facilities; maintenance of public signage; graffiti removal from and maintenance and repair of public structures situated on parks, parkways, streets, roads and open space; maintenance and repair of playground or recreation program equipment or facilities situated on any park; and

(b) maintenance and operation of water quality improvements which include storm drainage and flood protection facilities, including, without limitation, drainage inlets, catch basin inserts, infiltration basins, flood control channels, fossil fuel filters, and similar facilities. Maintenance services may include but is not limited to the repair, removal or replacement of all or part of any of the water quality improvements, fossil fuel filters within the public right-of-way including the removal of petroleum hydrocarbons and other pollutants from water runoff, or appurtenant facilities, clearing of inlets and outlets; erosion repairs; and cleanup to improvements, and other items necessary for the maintenance, servicing; or both of the water quality basin improvements within flood control channel improvements; and

(c) public street sweeping, on the segments of the arterials within the boundaries of CFD No. 2022-1; as well as local roads within residential subdivisions located within CFD No. 2022-1; and any portions adjacent to the properties within CFD No. 2022-1; and

(d) police protection services, including but not limited to criminal justice services, and fire protection and suppression services.

In addition to payment of the cost and expense of the forgoing services, proceeds of the special tax may be expended to pay "Administrative Expenses," as said term is defined in the Rate and Method of Apportionment.

The above services shall be limited to those provided within the boundaries of CFD No. 2022-1 or for the benefit of the properties within the boundaries of CFD No. 2022-1, as the boundary is expanded from time to time by anticipated annexations, and said services may be financed by proceeds of the special tax of CFD No. 2022-1 only to the extent that they are in addition to those provided in the territory of CFD No. 2022-1 before CFD No. 2022-1 was created.

EXHIBIT C

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)

PROPOSED BOUNDARIES

COPY 93/79

SHEET 1 OF 1 SHEET

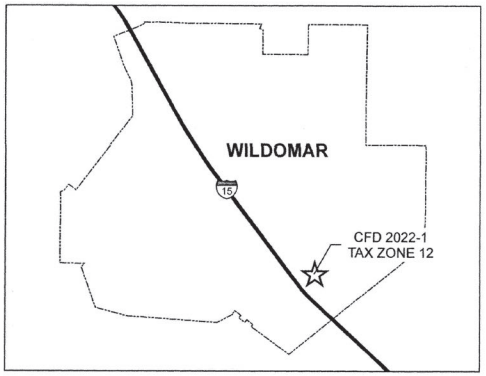
PROPOSED ANNEXATION MAP NO. 12
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

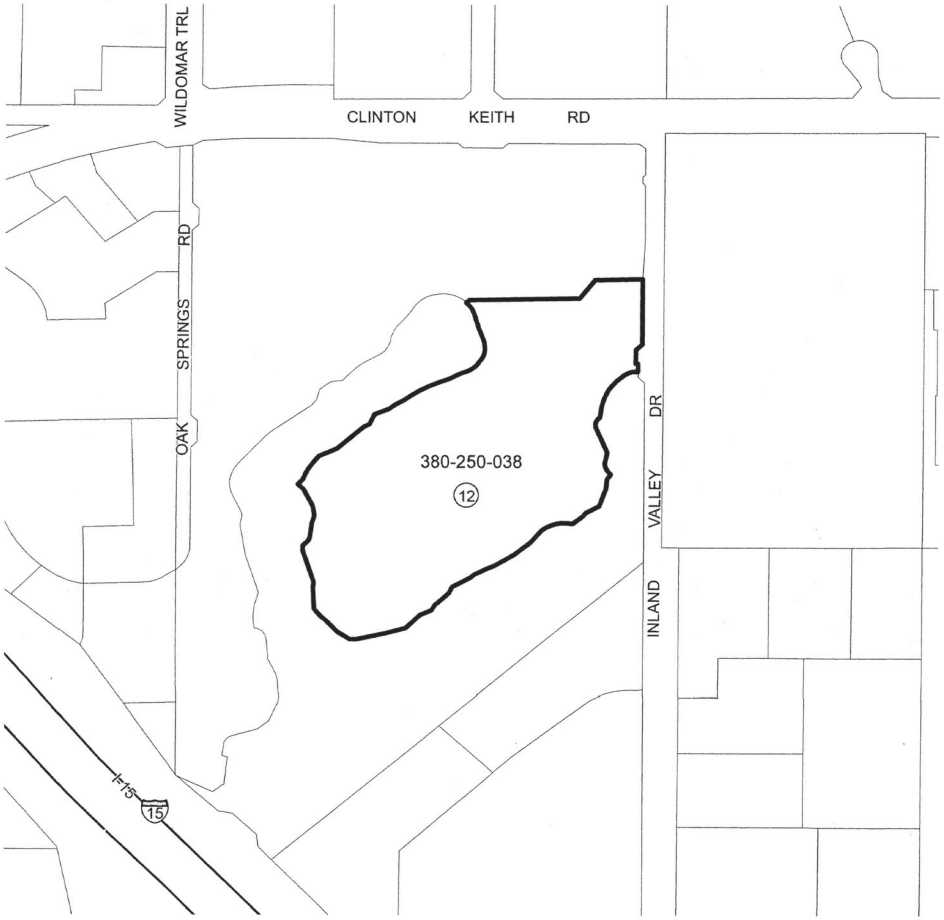
THIS MAP SHOWS THE BOUNDARIES OF AREAS TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

THE BOUNDARIES OF WHICH COMMUNITY FACILITIES DISTRICT ARE SHOWN AND DESCRIBED ON THE MAP THEREOF WHICH WAS PREVIOUSLY RECORDED ON APRIL 19, 2022, IN BOOK 88 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITY DISTRICTS AT PAGE 77 AND AS INSTRUMENT NO. 2022-0183915 IN THE OFFICE OF THE COUNTY RECORDER OF THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

I HEREBY CERTIFY THAT THE WITHIN MAP OR AREAS TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) OF THE CITY OF WILDOMAR, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, WAS APPROVED BY THE CITY COUNCIL OF THE CITY OF WILDOMAR AT A REGULAR MEETING THEREOF, HELD ON 14 DAY OF August 2024, BY RESOLUTION NO. 2024-52

Janet Morales
CITY CLERK
CITY OF WILDOMAR





RECORDED THIS 21st DAY OF August, 2024 AT THE HOUR OF 8:46 O'CLOCK A.M. IN BOOK 93 PAGE 79 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS IN THE OFFICE OF THE COUNTY RECORDER, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

FEE: $9.00 NO.: 2024-0250422
PETER ALDANA, ASSESSOR, COUNTY CLERK, RECORDER

BY: [signature]
DEPUTY

FILED IN THE OFFICE OF THE CITY CLERK, CITY OF WILDOMAR, THIS 14 DAY OF August, 2024.

Janet Morales
CITY CLERK
CITY OF WILDOMAR

LEGEND

	CITY BOUNDARY
	CFD BOUNDARY
	PARCEL LINE
	CITY BOUNDARY
XXX-XXX-XXX	ASSESSOR PARCEL NUMBER
12	TAX ZONE

THIS ANNEXATION MAP CORRECTLY SHOWS THE LOT OR PARCEL OF LAND INCLUDED WITHIN THE BOUNDARIES OF THE COMMUNITY FACILITIES DISTRICT. FOR DETAILS CONCERNING THE LINES AND DIMENSIONS OF LOTS OR PARCEL REFER TO THE COUNTY ASSESSOR MAPS FOR FISCAL YEAR 2024-25.

SPICER CONSULTING GROUP

N W E S

0 300 600 1,200 Feet

EXHIBIT B

BALLOT

SPECIAL TAX ELECTION
CITY OF WILDOMAR

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 12

(October 9, 2024)

This ballot is for the use of the authorized representative of the following owner of land within Annexation No. 12 of the Community Facilities District No. 2022-1 (Services) ("CFD No. 2022-1") of the City of Wildomar:

Name of Landowner	Number of Acres Owned	Total Votes
OSR2 R&V Investors, LLC	10.31	11

According to the provisions of the Mello-Roos Community Facilities Act of 1982, and resolutions of the City Council (the "Council") of the City of Wildomar (the "City"), the above-named landowner is entitled to cast the number of votes shown above under the heading "Total Votes," representing the total votes for the property owned by said landowner. The City has sent the enclosed ballot to you so that you may vote on whether or not to approve the special tax.

This special tax ballot is for the use of the property owner of the parcels identified below, which parcels are located within the territory proposed to be annexed to the CFD No. 2022-1, City of Wildomar, County of Riverside, State of California. Please advise the City Clerk, at (951) 677-7751 x 210 if the name set forth below is incorrect or if you are no longer one of the owners of these parcels. This special tax ballot may be used to express either support for or opposition to the proposed special tax. To be counted, this special tax ballot must be signed below by the owner or, if the owner is not an individual, by an authorized representative of the owner. The ballot must then be delivered to the City Clerk, either by mail or in person, as follows:

Mail Delivery: If by mail, place ballot in the return envelope provided, and mail no later than September 25, 2024, two calendar weeks prior to the date set for the election. Mailing later than this deadline creates the risk that the special tax ballot may not be received in time to be counted.

Personal Delivery: If in person, deliver to the City Clerk at any time up to 6:00 p.m. on October 9, 2024, at the Clerk's office at 23873 Clinton Keith Road, Suite 201 Wildomar, CA 92595.

However delivered, this ballot must be received by the Clerk prior to the close of the public meeting on October 9, 2024.

Very truly yours,

Janet Morales
City Clerk
City of Wildomar

TO CAST THIS BALLOT, PLEASE RETURN THIS ENTIRE PAGE.

OFFICIAL SPECIAL TAX BALLOT

Name & Address of Property Owner:	**Assessor's Parcel Number(s):**
OSR2 R&V Investors, LLC Attn: Scott Dale 9191 Towne Center Drive, #180 San Diego, CA 92122	380-250-038

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 12

MARK AN "X" OR OTHER MARK WILL CAST ALL VOTES ASSIGNED TO THIS BALLOT

SPECIAL TAX BALLOT MEASURE

Shall the City Council of the City of Wildomar be authorized to levy a special tax on an annual basis at the rates set forth in the following table:

Land Use Category	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B
Multi- Family Residential	RU	$133	$336.26

plus an annual increase on each July 1, commencing on July 1, 2025 Maximum Special Tax A for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year or ii) by two percent (2.0%), whichever is greater, and Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumer for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fical Year or ii) by five percent (5.0%), whichever is greater, both not to exceed six percent (6.0%), to finance certain services within the territory identified on the map entitled "Annexation Map No. 12 of Community Facilities District No. 2022-1 (Services) City of Wildomar" including streets, drainage, parks, trails, and graffiti for Special Tax A and police and fire protection services for Special Tax B as provided in the Rate and Method of Apportionment which is attached as Exhibit C to Resolution No. 2024-52 adopted by the City Council of the City of Wildomar on August 14, 2024 (including incidental expenses) and shall an appropriation limit be established for Community Facilities District No. 2022-1 (Services) in the amount of special taxes collected?

MARK "YES" OR "NO" WITH AN "X":

YES _____

NO _____

Certification for Special Election Ballot

The undersigned is an authorized representative of the above-named landowner and is the person legally authorized and entitled to cast this ballot on behalf of the above-named landowner.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____, 20_____.

OSR2 R&V Investors, LLC
Scott Dale
President

_____
Signature

_____
Print Name

_____
Title

SPECIAL TAX ELECTION
CITY OF WILDOMAR

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 12

(October 9, 2024)

This ballot is for the use of the authorized representative of the following owner of land within Annexation No. 12 of the Community Facilities District No. 2022-1 (Services) ("CFD No. 2022-1") of the City of Wildomar:

Name of Landowner	Number of Acres Owned	Total Votes
TMW Oak Springs 2 Del, LLC	2.58	3

According to the provisions of the Mello-Roos Community Facilities Act of 1982, and resolutions of the City Council (the "Council") of the City of Wildomar (the "City"), the above-named landowner is entitled to cast the number of votes shown above under the heading "Total Votes," representing the total votes for the property owned by said landowner. The City has sent the enclosed ballot to you so that you may vote on whether or not to approve the special tax.

This special tax ballot is for the use of the property owner of the parcels identified below, which parcels are located within the territory proposed to be annexed to the CFD No. 2022-1, City of Wildomar, County of Riverside, State of California. Please advise the City Clerk, at (951) 677-7751 x 210 if the name set forth below is incorrect or if you are no longer one of the owners of these parcels. This special tax ballot may be used to express either support for or opposition to the proposed special tax. To be counted, this special tax ballot must be signed below by the owner or, if the owner is not an individual, by an authorized representative of the owner. The ballot must then be delivered to the City Clerk, either by mail or in person, as follows:

Mail Delivery: If by mail, place ballot in the return envelope provided, and mail no later than September 25, 2024, two calendar weeks prior to the date set for the election. Mailing later than this deadline creates the risk that the special tax ballot may not be received in time to be counted.

Personal Delivery: If in person, deliver to the City Clerk at any time up to 6:00 p.m. on October 9, 2024, at the Clerk's office at 23873 Clinton Keith Road, Suite 201 Wildomar, CA 92595.

However delivered, this ballot must be received by the Clerk prior to the close of the public meeting on October 9, 2024.

Very truly yours,

Janet Morales
City Clerk
City of Wildomar

TO CAST THIS BALLOT, PLEASE RETURN THIS ENTIRE PAGE.

OFFICIAL SPECIAL TAX BALLOT

Name & Address of Property Owner:	**Assessor's Parcel Number(s):**
TMW Oak Springs 2 Del, LLC Attn: Scott Dale 9191 Towne Center Drive, #180 San Diego, CA 92122	380-250-038

ANNEXATION OF TERRITORY TO
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 12

MARK AN "X" OR OTHER MARK WILL CAST ALL VOTES ASSIGNED TO THIS BALLOT

SPECIAL TAX BALLOT MEASURE

Shall the City Council of the City of Wildomar be authorized to levy a special tax on an annual basis at the rates set forth in the following table:

Land Use Category	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B
Multi- Family Residential	RU	$133	$336.26

plus an annual increase on each July 1, commencing on July 1, 2025 Maximum Special Tax A for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year or ii) by two percent (2.0%), whichever is greater, and Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumer for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fical Year or ii) by five percent (5.0%), whichever is greater, both not to exceed six percent (6.0%), to finance certain services within the territory identified on the map entitled "Annexation Map No. 12 of Community Facilities District No. 2022-1 (Services) City of Wildomar" including streets, drainage, parks, trails, and graffiti for Special Tax A and police and fire protection services for Special Tax B as provided in the Rate and Method of Apportionment which is attached as Exhibit C to Resolution No. 2024-52 adopted by the City Council of the City of Wildomar on August 14, 2024 (including incidental expenses) and shall an appropriation limit be established for Community Facilities District No. 2022-1 (Services) in the amount of special taxes collected?

MARK "YES" OR "NO" WITH AN "X":

YES _____

NO _____

Certification for Special Election Ballot

The undersigned is an authorized representative of the above-named landowner and is the person legally authorized and entitled to cast this ballot on behalf of the above-named landowner.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____, 20_____.

TMW Oak Springs 2 Del, LLC
Scott Dale
President

_____
Signature

_____
Print Name

_____
Title

EXHIBIT C

FULL TEXT OF PROPOSITION

FULL TEXT OF PROPOSITION

SPECIAL ELECTION TO SUBMIT TO THE QUALIFIED ELECTORS THE QUESTION OF LEVYING A SPECIAL TAX WITHIN THE AREA PROPOSED TO BE ANNEXED TO COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) (ANNEXATION NO. 12)

October 9, 2024

SPECIAL TAX BALLOT MEASURE: Shall the City Council of the City of Wildomar be authorized to levy a special tax on an annual basis at the rates set forth in the following table:

Land Use Category	Taxable Unit	Maximum Special Tax A	Maximum Special Tax B
Multi-Family Residential	RU	$133	$336.26

plus an annual increase on each July 1, commencing July 1, 2025 Maximum Special Tax A for Developed Property, Approved Property and Undeveloped Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumers for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fiscal Year or ii) by two percent (2.0%), whichever is greater, and Maximum Special Tax B for Developed Property shall increase by i) the percentage increase in the Consumer Price Index for all Urban Consumer for the Riverside-San Bernardino-Ontario California Standard Metropolitan Statistical Area since the beginning of the preceding Fical Year or ii) by five percent (5.0%), whichever is greater, both not to exceed six percent (6.0%), to finance certain services within the territory identified on the map entitled “Annexation Map No. 12 of Community Facilities District No. 2022-1 (Services) City of Wildomar” including streets, drainage, parks, trails, and graffiti for Special Tax A and police and fire protection services for Special Tax B as provided in the Rate and Method of Apportionment which is attached as Exhibit C to Resolution No. 2024-52 adopted by the City Council of the City of Wildomar on August 14, 2024 (including incidental expenses) and shall an appropriation limit be established for Community Facilities District No. 2022-1 (Services) in the amount of special taxes collected?

RESOLUTION NO. 2024-_____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, DECLARING ELECTION RESULTS FOR COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES) ANNEXATION NO. 12

WHEREAS, the City Council (the "City Council") of the City of Wildomar (the "City") has heretofore conducted proceedings for the area proposed to be annexed to Community Facilities District No. 2022-1 (Services) (the "CFD No. 2022-1") of the City of Wildomar, including conducting a public hearing pursuant to Section 53339.5 of the Government Code; and

WHEREAS, at the conclusion of said public hearing, the City Council adopted a resolution calling a special election for October 9, 2024, and submitting to the qualified electors of the territory to be annexed to the CFD No. 2022-1 the question of levying special taxes on parcels of taxable property therein for the purpose of providing certain services which are necessary to meet increased demands placed upon the City as a result of the development of said real property as provided in the form of special election ballot; and

WHEREAS, a Certificate of Election Results, attached thereto as Exhibit A, dated October 9, 2024, executed by the City Clerk (or, in the absence of the City Clerk, the Acting City Clerk – in either case, the "Clerk"), has been filed with this Council, certifying that a completed ballot has been returned to the Clerk for each landowner-voter(s) eligible to cast a ballot in said special election, with all votes cast as "Yes" votes in favor of the ballot measure, and further certifying on said basis that the special mailed-ballot election was closed; and

WHEREAS, this Council has received, reviewed and hereby accepts the Clerk's Certificate of Election Results and wishes by this resolution to declare the results of the special mailed-ballot election;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WILDOMAR:

Section 1. Recitals. This Council finds and determines that the foregoing recitals are true and correct.

Section 2. Ballot Measure. This Council hereby finds, determines and declares that the ballot measure submitted to the qualified electors of the territory to be annexed to CFD No. 2022-1 has been passed and approved by those qualified electors in accordance with Sections 53328 and 53329 of the Government Code.

Section 3. Annexation. This Council hereby finds, determines and declares that pursuant to Section 53339.8 of the Government Code, the City Council is authorized to determine that the territory to be annexed has been added to and become a part of the CFD No. 2022-1 with full legal effect, and the City Council is also authorized, pursuant to said Section 53339.8, to annually levy special taxes within the territory to be annexed

to pay the costs of the services to be provided by the CFD No. 2022-1 as specified in Resolution No. 2024-52 adopted by the City Council on August 14, 2024. The boundaries of the territory annexed are shown on the map entitled, "Annexation Map No. 12 Community Facilities District No. 2022-1 (Services)" a copy of which was recorded, on August 21, 2024, in Book 93 of Maps of Assessment and Community Facilities Districts at Page 79, in the office of the Riverside County Recorder.

Section 4. Notice of Special Tax Lien. Pursuant to Section 53339.8 of the Government Code and Section 3117.5 of the Streets and Highways Code, the City Clerk shall cause to be filed with the County Recorder of the County of Riverside an amendment of the notice of special tax lien and a map of the amended boundaries of the CFD No. 2022-1 including the annexed territory.

Section 5. Effect. This resolution shall take effect from and after its adoption.

PASSED, APPROVED AND ADOPTED this 9th day of October 2024:

Bridgette Moore
Mayor

APPROVED AS TO FORM:

Thomas D. Jex
City Attorney

ATTEST:

Janet Morales
City Clerk

EXHIBIT A

CITY OF WILDOMAR
COMMUNITY FACILITIES DISTRICT NO. 2022-1 (SERVICES)
ANNEXATION NO. 12

CERTIFICATE OF ELECTION RESULTS

I, the undersigned, being the Deputy City Clerk or the City Clerk, as the case may be, hereby certify:

In connection with the special mailed-ballot election called by the City Council (the "City Council") of the City of Wildomar (the "City") on this same date in the proceedings of the City Council for the annexation of territory to the above-entitled community facilities district, I personally received (a) a signed and dated waiver and consent form and (b) a signed, dated and marked election ballot(s) on behalf of the owner(s) listed below, the entity named as the sole landowner of the land within the boundary of the above-entitled community facilities district in the Certificate Regarding Registered Voters and Landowners, dated August 22, 2024, and on file in the office of the City Clerk of the City in connection with the City Council actions on that date. Copies of the completed waiver and consent form and the completed ballot received by me and on file in my office are attached hereto.

Following such receipt, I have personally, and in the presence of all persons present, reviewed the ballot to confirm that it is properly marked and signed, and I hereby certify the result of that count to be that the ballot was cast in favor of the measure.

Based upon the foregoing, all votes that were cast having been cast "Yes", in favor of the ballot measure, the measure has therefore passed.

Landowner	Qualified Landowner Votes	Votes Cast	YES	NO
OSR2 R&V Investors, LLC	11	11		
TMW Oak Springs 2 Del, LLC	3	3		

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____, 2024.

Janet Morales
City Clerk
City of Wildomar

By: _____

(Attach completed copies of Waiver/Consent and Ballots)

CITY OF WILDOMAR
CC - REGULAR MEETING
GENERAL BUSINESS
Agenda Staff Report # 3.1
Meeting Date: October 9, 2024

SUBJECT: Construction Contract Award - Palomar St. Widening (Phase 2) and Cemetery Improvements (Phase 1) Projects (CIP 028-2, 067-1)

SUBMITTED BY: Jason Farag, Public Works Director

PREPARED BY: Jason Farag, Public Works Director

ACTION:

1. Authorize the City Manager to execute a construction contract with Van Engineering, Inc. in the amount of $7,695,693 for the Palomar Street Widening, Phase 2, and Cemetery Improvements, Phase 1, Projects (CIP 028-2 and 067-1) (Projects) and waive any informality or irregularity in the bid.

2. Authorize the Public Works Director to approve change orders not to exceed 5% of the construction contract amount (contingency).

3. Authorize the Public Works Director to execute a Task Agreement with GeoCon West, Inc., under their existing on-call services agreement with the City, in the amount of $87,774.88 for material testing for the Projects, plus Extra Work Authorizations not to exceed $10,000, for a total not to exceed of $97,774.88.

4. Authorize the City Manager to execute the Fifth Amendment with Mark Thomas, Inc. in the amount of $103,124 for design construction support, for a total not to exceed $103,124.

5. Authorize the Public Works Director to execute a Task Agreement with Interwest Consulting Group, under their existing on-call services agreement with the City, in the amount of $246,882 for Construction Management and Inspection services for the Projects, plus Extra Work Authorizations not to exceed $12,118, for a total not to exceed of $259,000.

6. Approve a supplemental appropriation for Fund 503 (TUMF) to add $374,500 in revenue and expenditures.

7. Approve a supplemental appropriation for Fund 201 (Measure A) to add $56,000 in expenditures.

8. Approve a revised appropriation for Fund 120 (Measure AA) to reduce expenditures by $506,500.

9. Approve a supplemental appropriation to Fund 300 (Cemetery) for an additional $500,000 in transfers out expenditures to Cemetery Fund 302.

10. Approve a revised appropriation for Fund 302 (Cemetery CIP) to increase expenditure appropriations by $925,000 and budgeted transfers in revenue by $1,743,000 to bring both the total appropriations and revenue to $1,843,000 each.

11. Approve a supplemental appropriation in Fund 440 (DIF) for an additional $405,000 in expenditures.

12. Approve a decrease in appropriations and revenues in Fund 500 Capital Reinvestment in the amount of $13,000.

13. Approve a supplemental appropriation in the General Fund to increase contractual service appropriations by $1,243,000 in the Police department in order to account for the reallocation of ARPA to the Cemetery Improvements Fund 302.

14. Adopt a Resolution entitled:

RESOLUTION 2024 - _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA APPROVING PROJECT PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS, AND AWARDING A CONSTRUCTION CONTRACT FOR THE PALOMAR STREET WIDENING PROJECT, PHASE 2 (CIP 028-2) AND THE CEMETERY IMPROVEMENTS PROJECT, PHASE 1 (CIP 067-1) (“PROJECTS”) AND AUTHORIZING THE CITY MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH VAN ENGINEERING, INC. FOR THE PROJECTS

SUMMARY:

Award a construction contract for the Palomar Street Widening Project, Phase 2, and for the Cemetery Improvement Project, Phase 1, and approve related budget adjustments, task agreements, and contract amendments for the construction of the Projects.

BACKGROUND:

In April 2013, the City Council approved the Wildomar Old Town Vision. As noted in the Old Town Vision document, the "document provides conceptual design recommendations for property development and streetscape improvements in the core of Wildomar Old Town—a site with historic community significance at the intersection of [Wildomar Trail] and Palomar Streets in Wildomar, CA. The design concepts and recommendations are intended to guide new development toward creating a unique focal point for the community that: strengthens community identity; reflects the visual and cultural character of historic Wildomar; provides opportunities for commercial and mixed-use development as well as civic uses and public gathering places; and enables pedestrian, bicycle, and equestrian travel."

In December 2020, the Wildomar Cemetery Board of Trustees adopted the Cemetery Master Plan identifying the needs for the Wildomar Cemetery for ultimate growth and build-out. The Cemetery Master Plan identified a preferred phasing plan for the recommended improvements. Included in Phase 1 were recommendations for roadway widening, frontage improvements, and ADA improvements.

On April 14, 2021, the City Council awarded a design contract to Mark Thomas Corporation for the design of the widening and improvement of Palomar Street from Wildomar Trail to Gruwell St., the improvement of Gruwell St. along the Cemetery frontage (CIP 028-2), and the

Wildomar Cemetery Improvements Project, Phase 1 (CIP 067-1) (Projects) (Attachment A). The project scope included incorporating specific aesthetic and design features to provide compatibility with both the Wildomar Old Town Vision and the Cemetery Master Plan. On November 10, 2021, the City Council hosted a public workshop to provide commentary and receive and file the concepts presented for the Projects' improvements along Palomar St., Gruwell St. and along the Wildomar Cemetery frontage. Following that workshop, the City continued work with the designer to prepare plans for the Projects.

A CEQA Notice of Exemption for the Palomar Street Widening (CIP 028-2) and Cemetery Improvements (CIP 067-1) was approved by the Planning Director and filed on December 6, 2021.

Final Plans, Specifications, and Contract Documents for the Projects were completed on July 8, 2024. The final plans include the following improvements:

- Palomar St.
  - Widening to provide an additional northbound lane
  - Multipurpose trail
  - Bike lanes
  - Sidewalks
  - New intersection improvements with improved pedestrian accessibility at the Wildomar Trail and Gruwell St. intersections
  - New traffic signals at the Wildomar Trail and Gruwell St. intersections
  - Landscaping
- Gruwell St. (along the Cemetery frontage)
  - Pavement reconstruction
  - Sidewalk
  - Curbside parking (south side of road)
  - Bike lanes
- Cemetery
  - New block walls, wrought-iron fencing, and entrance gates
  - Perimeter/frontage landscaping on Palomar St. and Gruwell St.
  - On-site accessibility (ADA) improvements

DISCUSSION:
A combined bid package for the Projects which included construction plans, technical specifications, bid documents and an engineer's cost estimate were prepared and advertised for construction bids. Two project Addendums were issued prior to bid opening. The plans and addendums are included as Attachment B. The project was advertised for bids on July 8, 2024. Bids were accepted until 3:00 pm on August 20, 2024. The City Clerk received three (3) timely bids, as summarized in Table 1 below.

Table 1 - Bid Summary for the Projects

CONTRACTOR	BID AMOUNT
Van Engineering, Inc.	$7,695,693
Silverstrand Construction	$8,347,155.16

Sully Miller Contracting	$11,092,160

The Engineer's Opinion of Construction Costs was $6,485,656. Staff has reviewed the bid packages submitted by the bidders, checking the bid packages for compliance with the contract documents and has determined that Van Engineering Inc. is the responsible bidder submitting the lowest responsive bid. No material irregularities were found in any of the bids received. Van Engineering Inc. holds a valid Class A General Contractor's license in the State of California, with no enforcement actions listed. Their license expires on 6/30/2026. The items of construction with the most significant increases between the Engineer's Opinion of Construction Costs and the lowest responsive bid include:

- **Item 66 - Construction Decorative Perimeter Wall**
  - Engineer's Estimate = $212,000
  - Bid Price = $763,200
  - Difference = +$551,200
- **Item 3 - Traffic Control System**
  - Engineer's Estimate = $125,000
  - Bid Price = $300,000
  - Difference = +$175,000
- **Item 6 - Clearing and Grubbing**
  - Engineer's Estimate = $90,000
  - Bid Price = $380,000
  - Difference = +$290,000

The Experience/Qualifications Statement that was submitted with the bid documents indicate that Van Engineering Inc. has engaged in contracting under the current name for Five (5) years and has not failed to satisfactorily complete a contract. A list of four (4) completed projects were listed for reference, all of which are public works projects, ranging in value from $874,752 to $2,393,945. These projects were completed for different agencies. Van Engineering's Bid Proposal is included as Attachment C.

The construction contract allows 240 working days to complete the required work. Based on a Notice to Proceed being issued to the contractor on October 10, 2024, the contract completion is projected to be October 1, 2025 (barring time extensions due to change orders or inclement weather). The contract is included as Attachment D. Staff recommends the City Council authorize the City Manager to execute the Construction Contract with Van Engineering, Inc.

Staff also recommends the City Council authorize the Public Works to execute a Task Agreement order with Geocon West, Inc. ("Geocon"), under their existing on-call services agreement with the City, in the amount of $87,774.88 for material testing services including Extra Work Authorizations not to exceed $10,000, for a total not to exceed $97,774.88. Geocon is the city's on-call firm for geotechnical services and has previously provided technical assistance to the City for several Capital Improvement Projects under their existing agreement. A copy of the proposed Geocon Task Agreement is included as Attachment E.

Staff also recommends the City Council authorize the Public Works Director to execute a Task Agreement with Interwest Consulting Group (Interwest), under their existing on-call services agreement with the City, in the amount of $246,882 for Construction Management and Inspection services for the projects, plus Extra Work Authorizations not to exceed $12,118, for

a total not to exceed amount of $259,000. Interwest is one of the city's on-call engineering firms and has previously provided technical assistance for several Capital Improvement Projects under their existing agreement. A copy of the proposed Interwest Task Agreement is included as Attachment F.

Staff also recommends the City Council authorize the City Manager to execute a Fifth Contract Amendment with Mark Thomas, Inc. in the amount of $103,124. Mark Thomas performed the design and prepared the construction plans, specifications for the project and will be needed to review construction submittals and address contractor questions. A copy of the proposed amendment is included as Attachment G.

Staff also recommends that the City Council approve supplemental and revised appropriations for the Projects, as detailed in the Fiscal Impacts and Account Code sections of this staff report.

As part of the Project design, the City has evaluated traffic collision history near the adjacent Wildomar Elementary School. The City's contract traffic engineer has recommended some revisions to the Projects' plans to incorporate minor adjustments to enhance traffic and pedestrian safety within the City right-of-way around the school. Staff is currently completing a review of these changes and will incorporate them into the Project once they are finalized.

If the City Council chooses to reject all bids and not award a construction contract, the City will need to modify the project to reduce costs and readvertise the project for construction at a later date. This could delay the project by four to six months and could place the City at risk of losing $432,500 in grant funds. There is also no guarantee that future bids will be less expensive than the bids that were received. Therefore, staff recommends that the City Council adopt a resolution to approve the Plans, Specifications, and Contract Documents, and to authorize the City Manager to execute a Construction Contract with Van Engineering, Inc. for the Projects.

FISCAL IMPACT:
Project expenditures for Construction are funded by:

- TUMF (Fund 503) = $3,850,000
- ARPA (Fund 115) = $1,243,000
- Measure AA (Fund 120) = $1,340,000
- TDA (Fund 202) (formerly Fund 203) = $432,500 (grant funds)
- Cemetery (Fund 300) = $600,000
- Capital Reinvest (Fund 500) (formerly Fund 501) = $174,000 (EVMWD Reimbursable)
- DIF (Fund 440) = $405,000
- Misc. State Funds (Fund 507) = $16,000 (grant funds)
- **Subtotal = $8,060,500**

Expenditures related to the Construction Administration and Inspection costs, as well as MSHCP Fees are funded by:

- Measure A (Fund 201) = $306,000
- TUMF (Fund 503) = $282,500
- **Subtotal = $588,500**

Total Project Budget = $8,649,000

Fund 300 (Cemetery) does not have an adequate fund balance to cover the full cost of the required improvements for the Wildomar Cemetery. As a result, staff recommends that the City Council reappropriate ARPA funds from Fund 115 towards Fund 302 to cover $1,234,000 of the $1,843,000 Cemetery expenditures. The ARPA funds were previously appropriated towards future public safety expenditures, allowing $1,234,000 in General Fund revenue to be used to build a set-aside reserve for public safety. Redirecting the ARPA funds towards the Cemetery will require the General Fund revenue to be reapplied towards the future public safety expenditures.

ACCOUNT CODE:
Budget Amendments

- TUMF (Fund 503)
  - Revenues = $374,500
  - Expenditures = $374,500
- Measure AA (Fund 120)
  - Expenditures = ($506,000) (Reduction)
- Measure A (Fund 201)
  - Expenditures = $56,000
- Capital Reinvestment (Fund 500) (formerly Fund 501)
  - Revenues = ($13,000) (Reduction)
  - Expenditures = ($13,000) (Reduction)
- Cemetery Improvements (Fund 302)
  - Revenues = $1,743,000
  - Expenditures = $925,000
- Cemetery (Fund 300)
  - Expenditures = $500,000
- DIF Roads (Fund 440)
  - Expenditures = $405,000
- General Fund
  - Expenditures = $1,243,000

ATTACHMENTS:
Presentation
Resolution
A - Project Exhibit
B.1 - Project Plans
B.2 - Project Bid Documents
B.3 - Addendum No. 1
B.4 - Addendum No. 2
C - Bid Proposal from Van Engineering, Inc.
D - Construction Contract
E - Task Agreement (Geocon)
F - Task Agreement (Interwest)
G - Fifth Contract Amendment with Mark Thomas

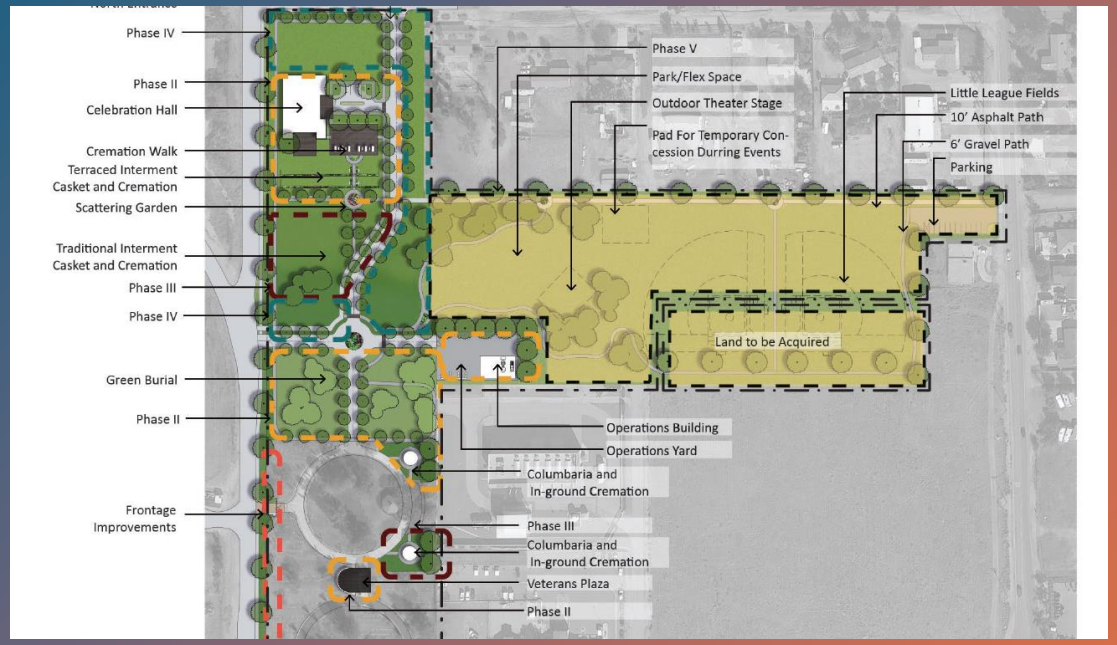
Palomar St. Widening and Cemetery Improvements

Consideration of a Contract Award

CIP 028-2 and 067-1

Public Works/Engineering Department

October 9, 2024

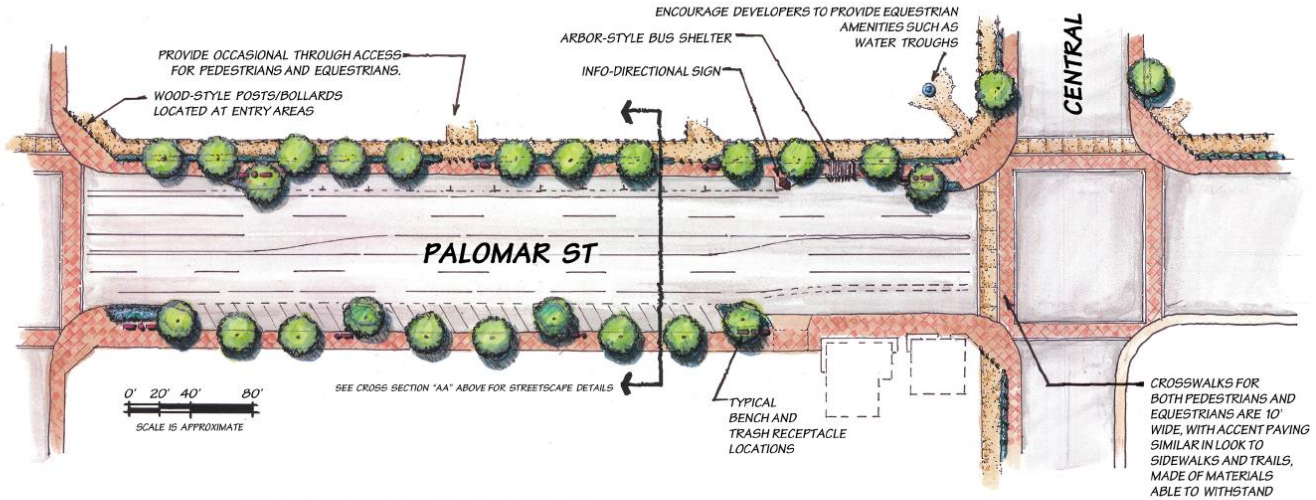


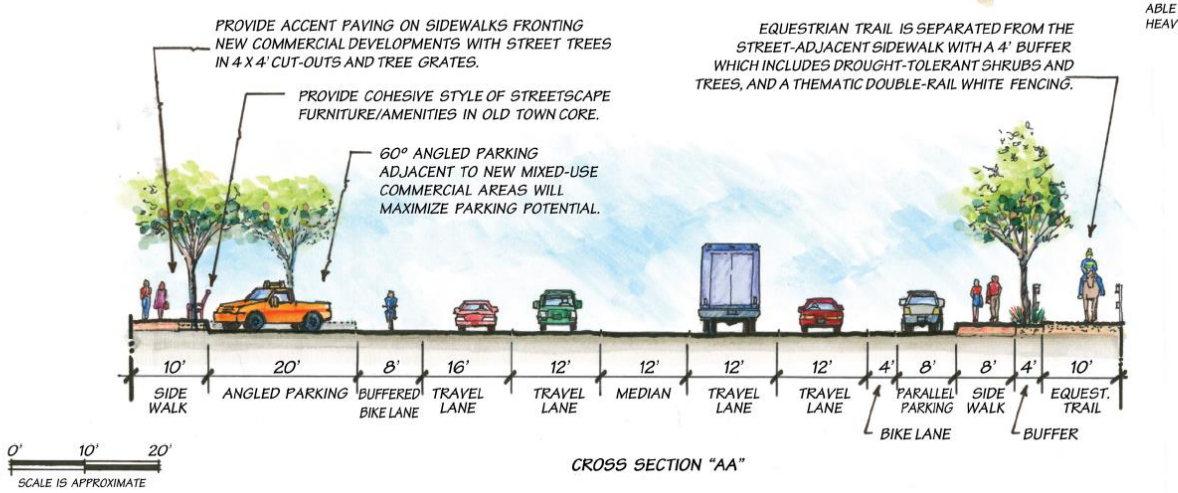
Background

- Wildomar Old Town Vision
  - Approved April 2013
  - Identified a potential Old Town area along Palomar St., between Wildomar Trail and Gruwell St.
  - Meant to provide conceptual design recommendations for property development/streetscape improvements
  - Focus on pedestrian, bicycle, and equestrian accessibility
- Cemetery Master Development and Business Plan
  - Adopted December 2020
  - Preferred Phasing Plan
    - Phase 1 includes roadway widening, frontage improvements, and ADA improvements.

Wildomar Old Town Vision

TYPICAL BLOCK STREETSCAPE CONCEPT

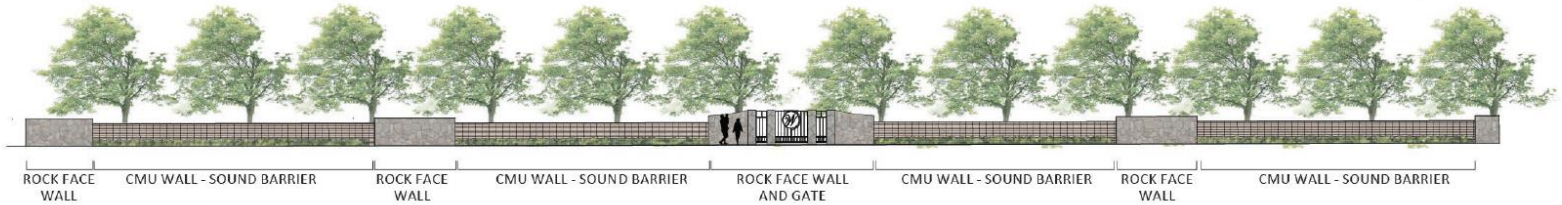




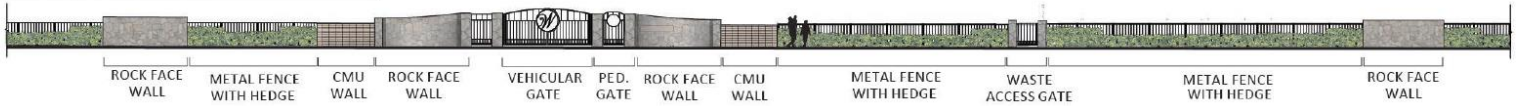
CROSS SECTION "AA"

CEMETERY FRONTAGE

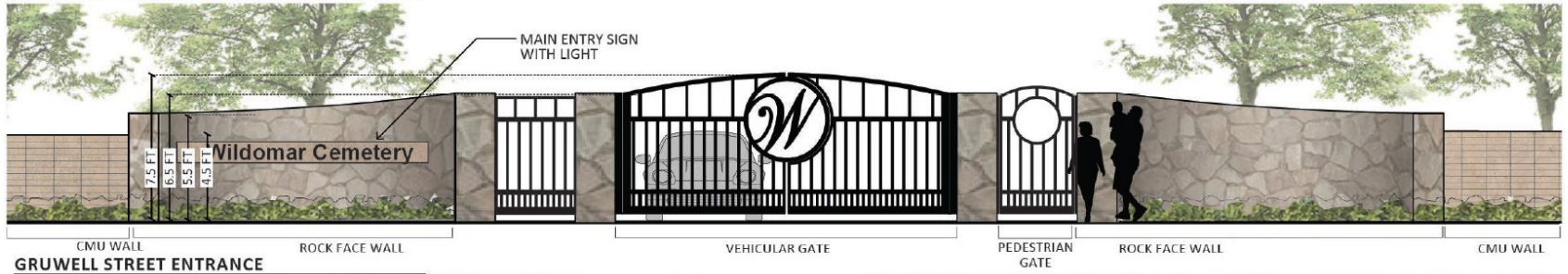
CITY OF WILDOMAR CEMETERY DISTRICT MASTER DEVELOPMENT AND BUSINESS PLAN



PALOMAR STREET FRONTAGE



GRUWELL STREET FRONTAGE



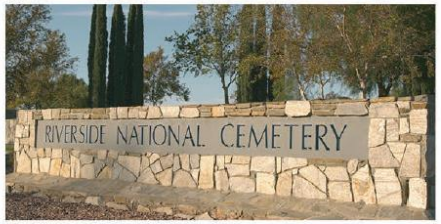
GRUWELL STREET ENTRANCE

Hedge

Metal fencing

Stacked Bond CMU Wall (Sound barrier)

Fence Column & Hedging



Stone Clad Fence Wall

LEES + ASSOCIATES

DAVID EVANS AND ASSOCIATES INC.

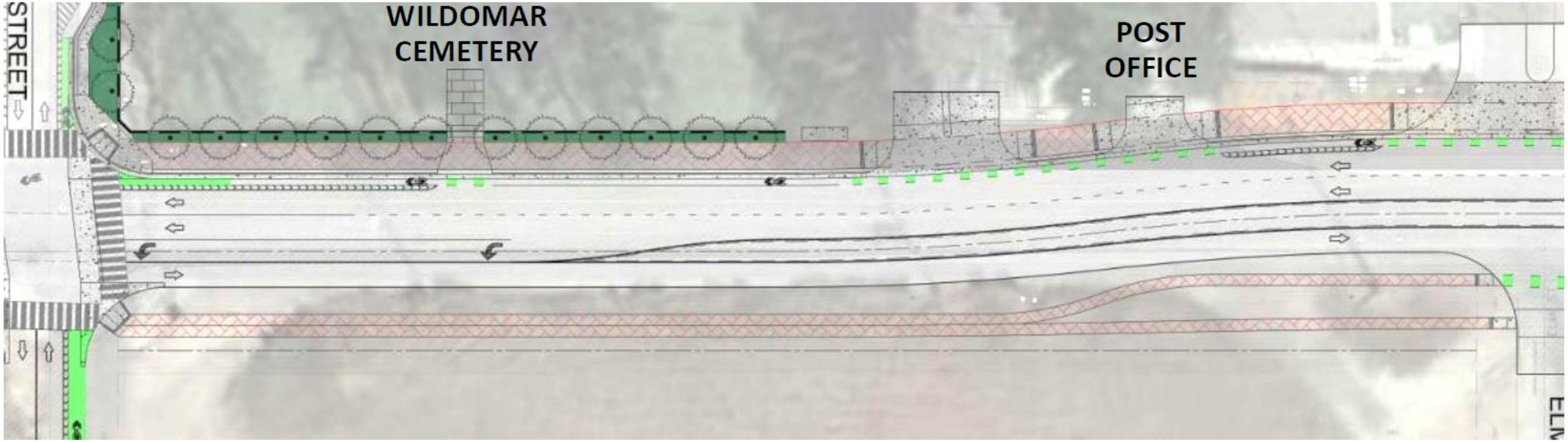
Palomar St. Widening (Phase 2) and Cemetery Improvements (Phase 1)

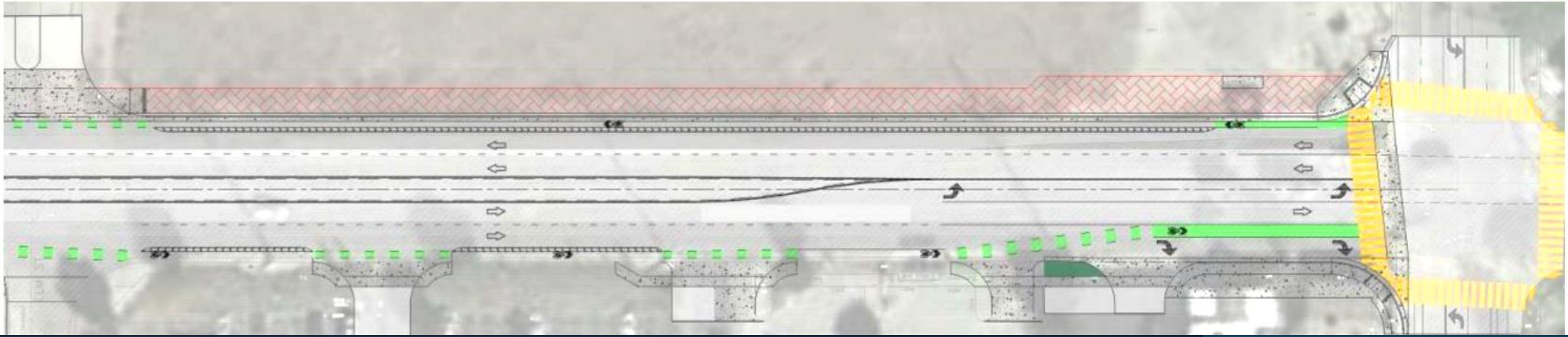
April 14, 2021 - Design Contract Awarded

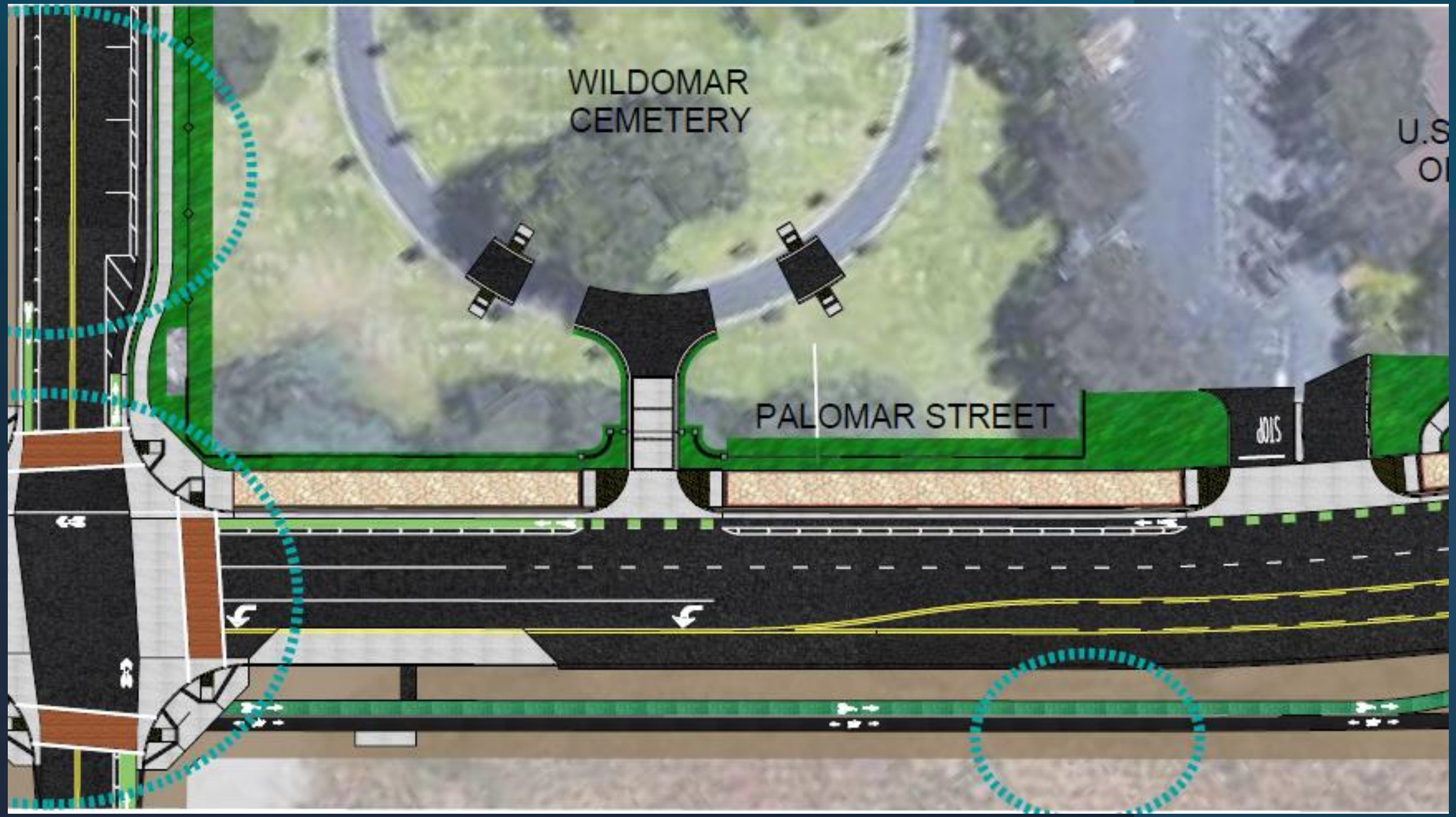
November 10, 2021 - City Council Design Presentation/Workshop

Project Scope:

- Frontage improvements along Wildomar Cemetery (Palomar St. and Gruwell St.)
- Widening of Palomar St. between Wildomar Trail and Gruwell St.
- Improvements on Gruwell St.
- Sidewalks, Bike Lanes, Trails
- Incorporating specific aesthetic and design features to provide compatibility with Old Town Vision and Cemetery Master Plan


STREET
WILDOMAR
CEMETERY
POST
OFFICE




WILDOMAR
CEMETERY
PALOMAR STREET
STOP

Cemetery Frontage (Palomar St.)

Cemetery Frontage (Gruwell St.)

Palomar St. (west side)

Project Status and Potential Schedule

8 July 2024

Design plans approved

Project advertised for construction bids

20 Aug. 2024

Project bids received and opened

9 Oct. 2024

Consideration of a construction contract

Nov./Dec. 2024

Potential start of construction

October 2025

Estimated construction completion

Bid Summary

Bidder/Contractor	Bid Amount
Van Engineering, Inc.	$7,695,693
Silverstrand Construction	$8,347,155.16
Sully Miller Contracting	$11,092,160
Engineer's Estimate	**$6,485,656**

Low Bid Evaluation (with 5% contingency)

Category	Total Cost
Roadway Improvements	$6,217,500
Cemetery Improvements	$1,843,000

Proposed Project Funding Summary

Fund Source	Existing Budget	Proposed Budget
ARPA	$0	$1,243,000
Measure AA	$1,846,500	$1,340,000
Measure A	$250,000	$306,000
TDA (Grant)	$432,500	$432,500
Cemetery General Fund	$100,000	$600,000
DIF Roads	$0	$405,000
Capital Reinvestment	$187,000	$174,000
TUMF (Grant)	$3,758,000	$4,132,500
Misc. State Funds (Grant)	$16,000	$16,000
Total	**$6,590,000**	**$8,649,000**

Budget Adjustment Summary

- Reallocate $1,243,000 ARPA from Police to Cemetery Improvements
- Adjust Cemetery Appropriations to Contribute $600,000
- Increase Police Appropriations in General Fund by $1,243,000
- Increase TUMF, Measure A, & DIF Roads for Palomar Widening
- Decrease Measure AA Contribution for Palomar Widening

Key Considerations

- If bids are rejected and new RFP conducted, construction will be delayed by 4-6 months (minimum) and may jeopardize $432,500 in grant funds
- No guarantee future bids will be less expensive
- Palomar Widening is an important project that is part of the City's Old Town Vision
- The Cemetery Improvements are consistent with the Old Town Vision theme and the Cemetery Master Plan that was previously approved by the Board of Trustees
- The low-bid contractor is a local Wildomar business

Key Takeaways

- Reallocation of ARPA from Police will allow City to use One-Time Monies for One-Time Improvements
- Does not deplete committed reserves below the approved minimums
- These adjustments do not affect public safety service levels
- These adjustments will be accounted for in the next 5-Year Forecast
- The Cemetery Frontage Improvements are anticipated to be in use for decades

Questions

RESOLUTION NO. 2024 -_____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA APPROVING PROJECT PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS, AND AWARDING A CONSTRUCTION CONTRACT FOR THE PALOMAR STREET WIDENING PROJECT, PHASE 2 (CIP 028-2) AND THE CEMETERY IMPROVEMENTS PROJECT, PHASE 1 (CIP 067-1) ("PROJECTS") AND AUTHORIZING THE CITY MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH VAN ENGINEERING, INC. FOR THE PROJECTS

WHEREAS, On April 14, 2021, the City Council approved a Design Professional Services with Mark Thomas Corporation for the Palomar Street Widening, Phase 2, Project and the Cemtery Improvements, Phase 1, Project (CIP 028-2 and CIP 067-1) ("Projects"); and

WHEREAS, a Notice of Exemption for the Projects was approved by the Planning Director on November 10, 2021 and filed with the County of Riverside County Clerk on November 16, 2021 as Document No. E-202101232; and

WHEREAS, Plans, Specifications, and Contract Documents were prepared for the Projects and accepted by the Public Works Director and City staff on July 8, 2024; and

WHEREAS, as part of the required public bidding procedures on July 8, 2024, the City advertised the Projects to solicit bids for construction of the Projects; and

WHEREAS, on August 20, 2024, the City received a total of three bid proposals from contractors for the construction of the Projects; and

WHEREAS, on August 20, 2024, Van Engineering, Inc. submitted the lowest bid proposal for construction of the Projects from among the three bid proposals; and

WHEREAS, City staff has reviewed and evaluated the bid proposal and verified references and recommends Van Engineering, Inc. as the lowest responsive and responsible bidder for the construction of the Projects; and

WHEREAS, City staff and the City's traffic engineer commissioned a traffic engineering analysis to the area of the Projects proximate to Wildomar Elementary School, including the traffic collision history around the project adjacent to Wildomar Elementary School which resulted in traffic safety improvements and revisions to the Plans, Specifications, and Contract Documents in the form of Addenda, Contract Change Orders, and Plan Revisions ("Revisions"); and

WHEREAS, the Plans, Specifications, and Contract Documents are being revised to incorporate traffic engineering recommendations to enhance traffic and pedestrian safety within the City right-of-way around the Wildomar Elementary School.

NOW THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the Wildomar City Council, in regular session assembled on October 9th, 2024, that:

1. The City Council accepts and exercises its discretion to approve the Plans, Specifications, and Contract Documents for the Projects, inclusive of the Revisions; and
2. The City Council accepts and exercises its discretion to approve the traffic engineering traffic safety revisions to the Plans, Specifications, and Contract Documents which incorporate traffic engineering recommendations to enhance traffic and pedestrian safety within the City right-of-way around the Wildomar Elementary School; and
3. The City Council delegates its discretionary authority to the City Manager, City Engineer, and the Public Works Director to approve future revisions to the Plans, Specifications, and Contract Documents for the Projects; and
4. The City Council waives any irregularities in the bid proposal submitted by Van Engineering, Inc. for the Projects and authorizes the City Manager to execute a Construction Contract with Van Engineering, Inc. for the construction of the Projects.

PASSED, APPROVED, AND ADOPTED this 12th day of June 2024

_____
Bridgette Moore
Mayor

APPROVED AS TO FORM:

_____
Thomas D. Jex
City Attorney

ATTEST:

_____
Janet Morales, CMC
City Clerk

CEMETERY IMPROVEMENTS AND PALOMAR ST. WIDENING

CEMETERY FRONTAGE AESTHETICS

GRUWELL STREET

PERIMETER WALL

STACK BOND

TAN MW BURNISH

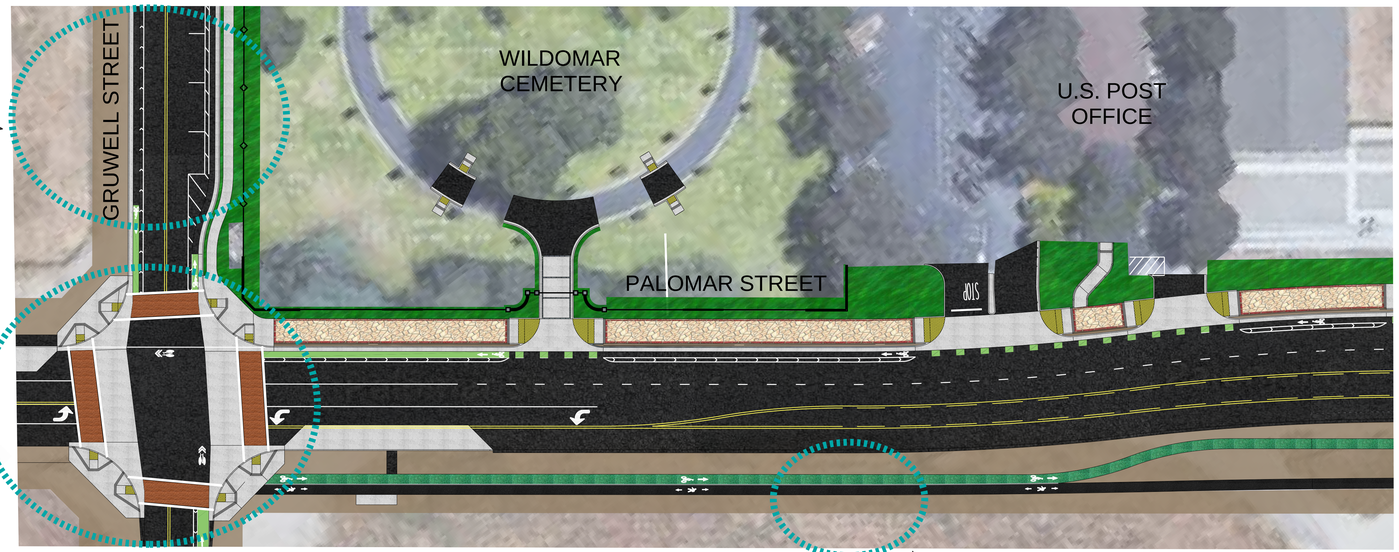
NUFAD MW BURNISH
(DISPLAYED)

SOURDOUGH MW BURNISH

TRAIL FEATURES

TRAIL FENCE

SEQUOIA SAND



INFILL AREA

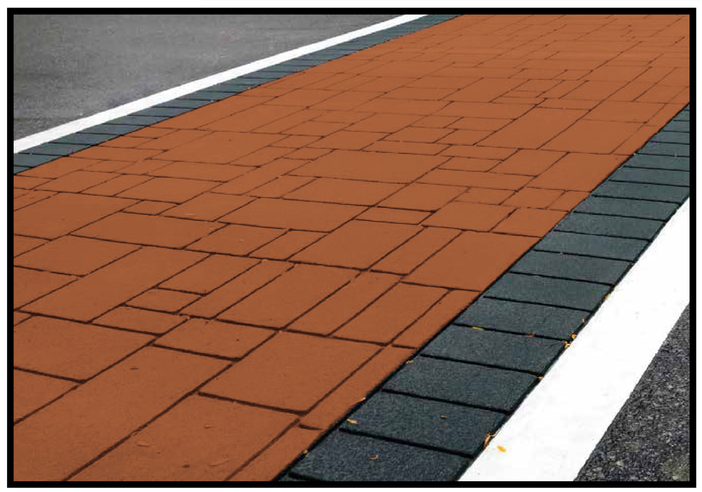
STONE

KHAKI

BORDER

TERRACOTA

DECORATIVE CROSSWALK FEATURES



INFILL AREA

SLATE

SANTA FE CLAY
(DISPLAYED)

SONOMA SAND

BRICK RED

BORDER

BLACK

WESTERLY PEDESTRIAN COMBINATION PATH

PEDESTRIAN LANE

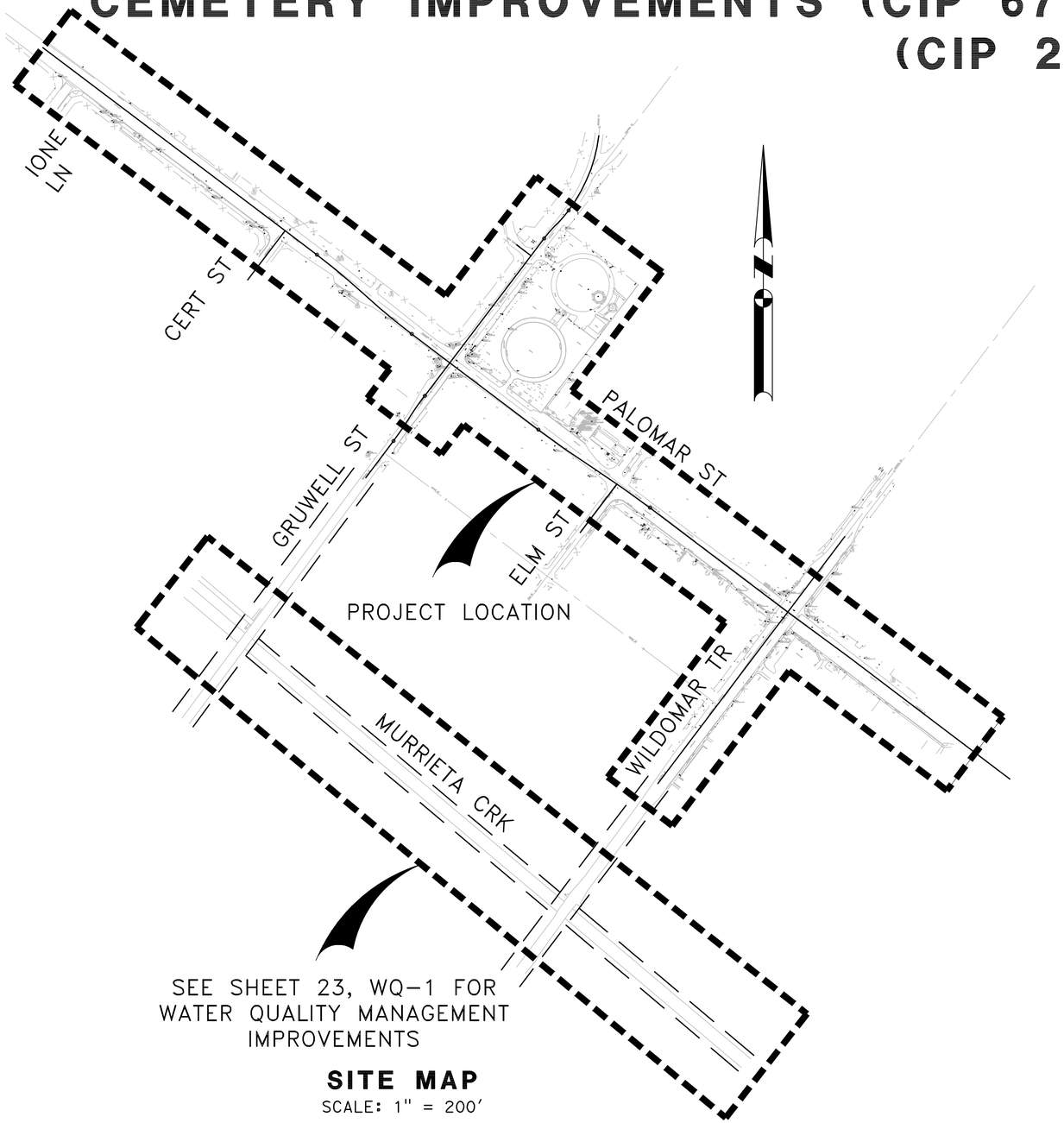
BLACK

BIKE LANE

GREEN

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS (CIP 67-1) AND PALOMAR ST. WIDENING (CIP 28-2)



SITE MAP

SCALE: 1" = 200'

0 200 400 800

Graphic Scale

ISSUED FOR BID

BASIS OF BEARING:

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CENTERLINE OF PALOMAR ST, BEING NORTH 52°54'14" WEST, PER RECORD OF SURVEY FIELD IN BOOK 177, PAGE 57, IN THE OFFICE OF THE COUNTY RECORDER OF RIVERSIDE COUNTY, CALIFORNIA.

BENCH MARK LOCATION:

THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE COUNTY OF RIVERSIDE BENCH MARK NO. E-21, U.S.C. & G.S. DESIGNATION 1254, (YEAR 1970). STANDARD DISK

AT WILDOMAR, IN THE SOUTH WEST CORNER OF THE INTERSECTION OF CENTRAL STREET AND PALOMAR STREET, 55 FEET SOUTH OF THE CENTERLINE OF CENTRAL STREET, 79 FEET WEST OF THE CENTERLINE OF PALOMAR STREET, 142 FEET NORTHEAST OF THE WILDOMAR SCHOOL AND ABOUT 125 FEET SOUTH OF THE POST OFFICE. A STANDARD DISK SET IN DRILL HOLE IN THE BASE OF THE WILDOMAR SCHOOL BELL TOWER, 6 INCHES WEST OF THE NORTHWEST CORNER OF THE TOWER.

ELEVATION 1255.326'
DATUM NGVD29

CITY OF WILDOMAR, UTILITY NOTIFICATION LIST:

ATT DISTRIBUTION
ATTN: FLOYD DIZON
3939 CORONADO ST
ANAHEIM CA 92807
FD8321@ATT.COM

EASTERN MUNICIPAL WATER DISTRICT
MAPS AND RECORDS DIVISION
ATTN: AXEL PEARSON
PEARSONAX@EMWD.ORG

ELSINORE VALLEY MUNICIPAL WATER DISTRICT
ATTN: MAYRA CABRERA
MCABRERA@EVMWD.NET

CROWN CASTLE
ATTN: COURTNEY BAILEY
1500 CORPORATE DR
CANONSBURG PA 15317
COURTNEY.BAILEY@CROWNCASTLE.COM

SO. CALIF. GAS COMPANY
ATTN: DAVID CASTELLANOS
DCASTELLANOS@SOCALGAS.COM

SPECTRUM
ATTN: STEVE WATERS
7337 CENTRAL AVE
RIVERSIDE, CA 92504
STEVE.WATERS@CHARTER.COM

SO. CALIF. EDISION
ATTN: KENNETH SMOLL
KENNETH.SMOLL@SCE.COM

FRONTIER COMMUNICATIONS
ATTN: DANIELLE SAMANIEGO
DANIELLE.SAMANIEGO@FTR.COM

SURVEYOR'S NOTES:

THE RIGHT OF WAY LINES SHOWN HEREON ARE BASED UPON THE RECORDED MAPS AVAILABLE AT THE RIVERSIDE COUNTY SURVEYOR'S OFFICE. NO BENEFIT OF TITLE REPORT TO VERIFY OTHER RIGHT OF WAY DEDICATIONS.

THE CONTOURS SHOWN HEREON ARE 1' INTERVAL.

SHEET INDEX:

T-1	SHT-1	TITLE SHEET
T-2	SHT-2	GENERAL NOTES
T-3	SHT-3	LAYOUT NOTES
C-1	SHT-4	DETAILS
C-2	SHT-5	DETAILS
DE-1	SHT-6	DEMOLITION
DE-2	SHT-7	DEMOLITION
DE-3	SHT-8	DEMOLITION
DE-4	SHT-9	DEMOLITION
DE-5	SHT-10	DEMOLITION
DE-6	SHT-11	DEMOLITION
L-1	SHT-12	LAYOUT - PLAN AND PROFILE_PALOMAR
L-2	SHT-13	LAYOUT - PLAN AND PROFILE_PALOMAR
L-3	SHT-14	LAYOUT - PLAN AND PROFILE_PALOMAR
L-4	SHT-15	LAYOUT - PLAN AND PROFILE_PALOMAR
L-5	SHT-16	LAYOUT - PLAN AND PROFILE_PALOMAR
L-6	SHT-17	LAYOUT - PLAN AND PROFILE_PALOMAR
L-7	SHT-18	LAYOUT - PLAN AND PROFILE_PALOMAR
L-8	SHT-19	LAYOUT - PLAN AND PROFILE_GRUWELL
L-9	SHT-20	LAYOUT - PLAN AND PROFILE_GRUWELL
L-10	SHT-21	LAYOUT - PLAN AND PROFILE_GRUWELL
L-11	SHT-22	LAYOUT - PLAN AND PROFILE_WILDOMAR
WQ-1	SHT-23	WATER QUALITY - DRAINAGE
S-1	SHT-24	SIGNING
S-2	SHT-25	SIGNING
PD-1	SHT-26	PAVEMENT DELINEATION
PD-2	SHT-27	PAVEMENT DELINEATION
TS-1	SHT-28	TRAFFIC SIGNAL
TS-2	SHT-29	TRAFFIC SIGNAL
TS-3	SHT-30	TRAFFIC SIGNAL
TS-4	SHT-31	TRAFFIC SIGNAL
U-1	SHT-32	UTILITY PLAN
U-2	SHT-33	UTILITY PLAN
U-3	SHT-34	UTILITY PLAN
U-4	SHT-35	UTILITY PLAN
CR-1	SHT-36	CURB RAMP & DRIVEWAY DETAILS
CR-2	SHT-37	CURB RAMP & DRIVEWAY DETAILS
CR-3	SHT-38	CURB RAMP & DRIVEWAY DETAILS
CR-4	SHT-39	CURB RAMP & DRIVEWAY DETAILS
CR-5	SHT-40	CURB RAMP & DRIVEWAY DETAILS
CR-6	SHT-41	CURB RAMP & DRIVEWAY DETAILS
CR-7	SHT-42	CURB RAMP & DRIVEWAY DETAILS
XS-1	SHT-43	CROSS SECTIONS
XS-2	SHT-44	CROSS SECTIONS
XS-3	SHT-45	CROSS SECTIONS
XS-4	SHT-46	CROSS SECTIONS
XS-5	SHT-47	CROSS SECTIONS
XS-6	SHT-48	CROSS SECTIONS
XS-7	SHT-49	CROSS SECTIONS
XS-8	SHT-50	CROSS SECTIONS
XS-9	SHT-51	CROSS SECTIONS
XS-10	SHT-52	CROSS SECTIONS
XS-11	SHT-53	CROSS SECTIONS
RW-1	SHT-54	PROPOSED ROW
RW-2	SHT-55	PROPOSED ROW
PW-1	SHT-56	CEMETERY IMPROVEMENTS TITLE
PW-2	SHT-57	PERIMETER WALL DETAILS
PW-3	SHT-58	PERIMETER FENCING AND GATE DETAILS
PW-4	SHT-59	PERIMETER WALL - PLAN AND PROFILE
PW-5	SHT-60	PERIMETER WALL - PLAN AND PROFILE
PW-6	SHT-61	CEMETERY SITE IMPROVEMENTS
PW-7	SHT-62	CEMETERY SITE IMPROVEMENTS
SP-1	SHT-63	SITE PLAN
SP-2	SHT-64	SITE PLAN
SP-3	SHT-65	SITE PLAN
SPD-1	SHT-66	SITE PLAN ENLARGEMENT
SD-1	SHT-67	SITE PLAN DETAILS
SD-2	SHT-68	SITE PLAN DETAILS
SD-3	SHT-69	SITE PLAN DETAILS
IP-1	SHT-70	IRRIGATION PLAN
IP-2	SHT-71	IRRIGATION PLAN
IP-3	SHT-72	IRRIGATION PLAN
ID-1	SHT-73	IRRIGATION DETAILS
ID-2	SHT-74	IRRIGATION DETAILS
ID-3	SHT-75	IRRIGATION DETAILS
ID-4	SHT-76	IRRIGATION DETAILS
PP-1	SHT-77	PLANTING PLAN
PP-2	SHT-78	PLANTING PLAN
PP-3	SHT-79	PLANTING PLAN
PD-1	SHT-80	PLANTING DETAILS

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-422-4133
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

The private engineer signing these plans is responsible for assuring the accuracy and acceptability of the design hereon. In the event of discrepancies arising after City acceptance or during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for acceptance by the City.

MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER
KIMBERLY BARLING
No. C92279
Exp. 06/30/25
CIVIL
STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.

THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
TITLE SHEET

SHEET No. T-1 SHT-1
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_T-1.DWG 6/17/2024 1:45:12 PM

Plans Prepared On:6/17/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

WILDOMAR GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", (GREEN BOOK), LATEST EDITION, RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT STANDARDS, AND CITY OF WILDOMAR STANDARDS AND ORDINANCES.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE JOB SITE AND THE LOCATION OF ALL UNDERGROUND FACILITIES SHOWN OR NOT SHOWN ON THESE PLANS. NEITHER THE CITY OF WILDOMAR NOR THE ENGINEER WILL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND FACILITIES.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS.
4. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CALL THE CITY ENGINEERS OFFICE AT (951) 677-7751 FOR INSPECTION 24 HOURS PRIOR TO PERFORMING ANY WORK. WORK PERFORMED WITHOUT CALLING FOR INSPECTION SHALL BE REJECTED AND SHALL BE REMOVED SOLELY AT THE CONTRACTORS EXPENSES.
5. UTILITY CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF ALL TRENCH BACKFILL AND STREET SUBGRADES AND SUBMITTING THEM TO THE CITY ENGINEER FOR APPROVAL. NOTIFY CITY ENGINEERS OFFICE AT (951) 667-7751 24 HOURS PRIOR TO TESTS.
6. CUT SHEETS SHALL BE SUBMITED TO THE CITY FOR RECORD PURPOSES PRIOR TO CONSTRUCTION. SURVEYOR OF RECORD IS SOLELY RESPONSIBLE FOR THE ACCURACY OF CUT SHEETS.
7. THE CONTRACTOR SHALL SATISFY HIMSELF THAT ESTIMATED QUANTITIES SHOWN ARE CORRECT BEFORE BIDDING ON ANY ITEM.
8. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL AT ALL TIMES. WORK SITE AND EXTERIOR STREETS SHALL BE IN A NEAT, CLEAN, HAZARD FREE, ORDERLY STATE THROUGHOUT CONSTRUCTION. SITE SHALL BE CLEANED UPON REQUEST OF THE INSPECTOR.
9. ALL EXISTING PAVEMENT TO BE REMOVED SHALL BE SAWCUT OR WHEELCUT AND REMOVED TO CLEAN STRAIGHT LINES.
10. AT ALL LOCATIONS WHERE NEW PAVEMENT JOINS EXISTING, THE EXISTING PAVEMENT SHALL BE COATED WITH AN ASPHALTIC EMULSION.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY VALVES, BOXES AND COVERS, AND ADJUSTING OF ALL WATER VALVE BOXES AND COVERS TO FINISH GRADE.
12. THE CONTRACTOR SHALL RESET MANHOLE RINGS TO SURROUNDING AC PAVEMENT GRADE.
13. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL OF THE CITY ENGINEER.
14. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NUMBER 811, TWO WORKING DAYS BEFORE DIGGING. NO INSPECTION WILL BE PROVIDED BY THE CITY ENGINEERS OFFICE, AND NO CONSTRUCTION PERMIT ISSUED INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES WILL BE VALID UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY USA.
15. ALL AGRICULTURAL IRRIGATION LINES ENCOUNTERED DURING CONSTRUCTION SHALL BE REPLACED WITH 12 GAUGE MINIMUM DIPPED AND WRAPPED-WELDED STEEL PIPE.
16. WHEN IMPROVEMENTS ARE TO BE PLACED ON NATIVE SOIL WHICH CONSISTS OF A ROCKY MATERIAL, THE SUB-GRADE SHALL BE PREPARED BY REMOVING ALL ROCKS WHICH PROTRUDE ABOVE THE SUB-GRADE AND ALL VOIDS OR DEPRESSIONS SHALL BE FILLED WITH A FINE GRADE MATERIAL OF A QUALITY BETTER THAN THE NATIVE MATERIALS.

NOTE TO CONTRACTOR - EXISTING UTILITIES:

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. WHILE DUE CARE WAS TAKEN IN PREPARATION OF THIS INFORMATION, MARK THOMAS CANNOT AND DOES NOT GUARANTEE THE ACCURACY NOR THE COMPLETENESS OF THE INFORMATION OBTAINED. THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL NOTIFY THE CITY PRIOR TO POTHOLING. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH RESULT FROM HIS FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL POTHOLE PROPOSED CROSSINGS OF EXISTING UTILITIES PRIOR TO AND SHALL VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS. IN THE EVENT, DURING CONSTRUCTION, THAT UNKNOWN UTILITIES OR UNKNOWN STRUCTURES ARE FOUND AT UNEXPECTED ELEVATIONS OR LOCATIONS, THE CITY IS TO BE NOTIFIED OF SUCH CONDITION AT ONCE. ANY DISCREPANCY BETWEEN THE PLANS AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CITY. IF NECESSARY, THE ENGINEER OF RECORD SHALL REVISE THE PLANS. THE CONTRACTOR SHALL BEGIN CONSTRUCTION AFTER REVISIONS ARE APPROVED. THE CONTRACTOR AGREES TO COMPLETE ALL WORK, INCLUDING REPAIRS REQUIRED, IN AN EXPEDITIOUS MANNER. THE CONTRACTOR FURTHER AGREES TO PURSUE DELIGENTLY THE COMPLETION OF SAID WORK.

ISSUED FOR BID

PRIVATE ENGINEER'S NOTES:

THE EXISTENCE AND APPROXIMATE LOCATION OF ANY UNDERGROUND UTILITIES OR SUBSTRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITIES OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK ON EXCAVATION TO DETERMINE EXACT LOCATION OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION OF THESE LINES.

NOTICE TO CONTRACTORS:

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK OF THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

SURVEY MONUMENT NOTES:

SURVEY MONUMENTS THAT EXIST AS SHOWN ON RECORDED MAPS, HIGHWAY MAPS OR POINTS THAT PROVIDE SURVEY CONTROL WITHIN THE CONSTRUCTION AREA, SHALL BE LOCATED AND REFERENCED OUT BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER (AUTHORIZED TO PRACTICE LAND SURVEYING), AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR PRIOR TO THE START OF CONSTRUCTION. THESE CORNER RECORDS SHALL DESCRIBE THE MONUMENTS FOUND WITH TIE DISTANCES TO REFERENCE POINTS FOR RESETTING OF THE SURVEY MONUMENTS. WHEN CONSTRUCTION IS COMPLETED, MONUMENTS SHALL BE SET AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR SHOWING THE NEW MONUMENTS.

CONTRACTOR'S RESPONSIBILITY:

IN SUBMITTING A BID FOR THIS WORK, THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER AND THE CITY OF WILDOMAR HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT THE EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE US DEPARTMENT OF LABOR AND WITH "CONSTRUCTION SAFETY ORDERS". THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTOR OR SUB-CONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

DEMOLITION NOTES:

1. PROTECT IN PLACE.
2. NEATLY SAWCUT AT NEAREST JOINT FULL DEPTH, WHERE APPLICABLE.
3. REMOVE AND DISPOSE.
4. COLD MILL AC PAVEMENT (MINIMUM 2" DEPTH).
5. REMOVE AND DISPOSE FENCE, POST, POST FOUNDATION AND/OR GATES TO THE NEAREST POST.
6. REMOVE AND DISPOSE BLOCK WALL.
7. REMOVE GRATE INLET REMOVE AND DISPOSE.
8. REMOVE 24" CMP.
9. REMOVE PER TRAFFIC SIGNAL PLANS.
10. CLEAR, GRUB AND GRADE PER PLAN.
11. RELOCATE PER UTILITY PLANS.
12. RELOCATE PER SIGNING AND PAVEMENT DELINEATION PLANS.
13. REMOVE AND SALVAGE MAIL BOX, REMOVE AND DISPOSE OF MAIL BOX POST AND FOUNDATION.
14. REMOVE AND SALVAGE.
15. REMOVE STRIPING.
16. REMOVE AND DISPOSE TREE, SHRUB, OR STUMP. GRIND ROOTS MINIMUM 24" DEPTH FROM SURFACE.
17. GRIND ROOTS MINIMUM 24" DEPTH FROM SURFACE.

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
5. CONSTRUCT TYPE A-8 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 201.
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
7. CONSTRUCT 6" TO 0" PCC CURB TRANSITION PER DETAIL 1 ON SHEET 4, C-1.
8. CONSTRUCT 6" TO 1" PCC CURB AND GUTTER TRANSITION PER DETAIL 2 ON SHEET 4, C-1. (UNLESS OTHERWISE NOTED ON PLANS)
9. INSTALL WHEEL STOP PER DETAIL 3 ON SHEET 4, C-1
10. CONSTRUCT 8" THICK PCC SPANDREL AND CROSS GUTTER OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 209 (CROSS GUTTER WIDTH MODIFIED PER PLAN).
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
12. CONSTRUCT DECORATIVE MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD 207A, REFER TO DRIVEWAY DETAILS ON SHEET 38, CR-3. REFER TO LANDSCAPE PLANS FOR ASTHETICS.
13. CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)
14. CONSTRUCT PCC PARKWAY DRAIN PER SPPWC STD. 151-3. (S=48"; INLET TYPE 2)
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
17. CONSTRUCT 6" PCC BUS SHELTER PAD OVER 12" COMPACTED SUBGRADE, CONTRACTOR TO COORDINATE WITH RTA FOR BUS SHELTER INSTALLATION DURING CONSTRUCTION.
18. CONSTRUCT 8" PCC BUS TURNOUT OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER MODIFIED RIVERSIDE COUNTY STD NO. 814.
19. CONSTRUCT 8" PCC BUS APRON OVER 6" CAB OVER 12" COMPACTED SUBGRADE.
20. CONSTRUCT 6" THICK PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE.
21. CONSTRUCT 6" THICK DECORATIVE PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE, REFER TO LANDSCAPE PLANS FOR AESTHETICS.
22. CONSTRUCT AC BERM PER DETAIL 4 ON SHEET 4, C-1.
23. CONSTRUCT 6" TO 0" AC BERM TRANSITION PER DETAIL 5 ON SHEET 4, C-1.
24. CONSTRUCT AC BERM TO PCC CURB AND GUTTER TRANSITION PER DETAIL 5 ON SHEET 4, C-1.
25. COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
29. CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
30. CONSTRUCT 4" THICK DECORATIVE ASPHALT SIDEWALK PER DETAIL 8 ON SHEET 5, C-2.
31. CONSTRUCT 4" THICK ASPHALT SIDEWALK OVER 12" COMPACTED SUBGRADE.
32. CONSTRUCT MULTI-USE TRAIL FENCING PER DETAIL 14 ON SHEET 5, C-2.
33. INSTALL ADA ACCESS WALKWAY WITH METAL RAILING AND CURB PER DETAIL 9 ON SHEET 5, C-2.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
35. RELOCATE BOLLARD.
36. INSTALL SALVAGED MAIL BOX ON SINGLE POST PER DETAIL 10 ON SHEET 4, C-1.
37. INSTALL 4' HIGH DECORATIVE WROUGHT IRON FENCE, STYLE TO MATCH EXISTING AND POWDER COATED BLACK WITH MINIMUM 12" DIAMETER AND 18" DEEP FOOTINGS.
38. CONSTRUCT PCC RETAINING CURB PER DETAIL 11 ON SHEET 4, C-1.
39. CONSTRUCT 4" THICK PCC MEDIAN SURFACE OVER 12" COMPACTED SUBGRADE, CONTRACTOR TO MATCH EXISTING AESTHETICS.
40. CONSTRUCT 6" AC DIKE PER RIVERSIDE COUNTY STD NO. 212.
41. CONSTRUCT 6" AC DIKE TO CURB AND GUTTER TRANSITION PER DETAIL 13 ON SHEET 4, C-1.
42. CONSTRUCT DECOMPOSED GRANITE TRAIL PER RIVERSIDE COUNTY STD H-009 WITH PCC HEADER PER RIVERSIDE COUNTY STD H-004.
43. INSTALL CENTER STOP FOR GATE DROP ROD.
44. INSTALL SPLIT RAIL VINYL FENCE TO MATCH EXISTING, EMBED LINE POSTS IN A MINIMUM OF 12" DIAMETER PCC CONCRETE FOOTING (3,000 PSI 28 DAY COMPRESSIVE STRENGTH), 24" MINIMUM DEPTH AND AT A SPACING OF 8' MAXIMUM.
45. INSTALL ROCK COBBLE IN MORTAR NON-WALKABLE SURFACE PER DETAIL A ON SHEET 36, CR-1.
46. INSTALL REMOVABLE BOLLARD PER DETAIL 3 ON SHEET 69, SD-3.
47. PROTECT SURVEY MONUMENT IN PLACE AND INSTALL MONUMENT WELL ADJUSTED TO SURFACE GRADES PER RIVERSIDE COUNTY STD. NO. 901.
48. INSTALL CHAIN LINK FENCE WITH 3 STRAND BARBED WIRE PER SPPWC STD. 600-4.
49. INSTALL TENSAR TRIAX GEOGRID OR EQUIVALENT BETWEEN THE AC OR PCC AND CAB AS SHOWN ON SHEETS 48, 51 AND 52; XS-6, XS-9, AND XS-10.
50. INSTALL CLASS V ROCK SLOPE PROTECTION.
51. INSTALL 3/4-INCH FRACUTRED ROCK FOR A DEPTH OF 3-INCHES.

DIGALERT — CALL BEFORE YOU DIG. DIAL BEFORE YOU DIG. TWO WORKING DAYS BEFORE YOU DIG. TOLL FREE 1-800-422-4133. A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

The private engineer signing these plans is responsible for assuring the accuracy and acceptability of the design hereon. In the event of discrepancies arising after City acceptance or during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for acceptance by the City.

MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING No. C92279 Exp. 06/30/25 CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
GENERAL NOTES

SHEET No. T-2 SHT-2 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_T-2.DWG 6/18/2024 2:12:23 PM

Plans Prepared On:6/18/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

PERIMETER WALL / CEMETERY IMPROVEMENT SHEET NOTES:

1. CONSTRUCT CMU STACKED BOND PERIMETER WALL PER DETAILS ON SHEET PW-2.
2. CONSTRUCT ROCK FACED CMU PERIMETER WALL PER DETAILS ON SHEET PW-2, REFER TO SD-1 AND SD-2 FOR AESTHETICS.
3. CONSTRUCT ROCK FACED CMU PERIMETER WALL PILASTER PER DETAILS ON SHEET PW-2, REFER TO SD-1 AND SD-2 FOR AESTHETICS.
4. INSTALL DECORATIVE AUTOMATED WROUGHT IRON GATE (GRUWELL), SEE SD-2 FOR DETAILS.
5. INSTALL DECORATIVE AUTOMATED WROUGHT IRON GATE (PALOMAR), SEE SD-1 FOR DETAILS.
6. INSTALL DECORATIVE WROUGHT IRON SWING GATE (PEDESTRIAN), SEE SD-2 FOR DETAILS.
7. INSTALL DECORATIVE WROUGHT IRON SLIDING GATE (WASTE ENCLOSURE) PER DETAIL ON SHEET PW-3.
8. INSTALL 4'-6" HIGH DECORATIVE WROUGHT IRON FENCE, PER DETAIL ON SHEET PW-3.
9. NOT USED.
10. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH=1')
11. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
12. CONSTRUCT 6" THICK PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE.
13. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET C-1.
14. REMOVE CONCRETE PAVERS AND REINSTALL CONCRETE PAVERS OVER 4" CRUSHED AGGREGATE BASE OVER 12" COMPACTED SUBGRADE WITHIN A CONTINUOUS 2"X6" TREATED LIMBER HEADER PER DETAILS ON THIS SHEET.
15. INSTALL 6" WHITE THERMOPLASITC STRIPE
16. INSTALL 24" WIDE X 24" DEEP X (34-36" PER DETAIL) TALL MINIMUM (WITH 4" EMBEDDED BELOW ADJACENT SURFACE GRADES) CAST IN PLACE PCC CONCRETE PLINT WITH PLACQUE TO MATCH EXISTING STYLE AND AESTHETICS INDICATING "COLUMDARUM MAIN ENTRY" MOUNTED TO PLINT TOP SURFACE. SEE DETAIL ON THIS SHEET FOR PLINTH AND PLACQUE DETAIL.
17. INSTALL MAIN OFFICE ENTRY SIGN ON A CHAIN AND POSTS PER DETAIL ON THIS SHEET.
18. INSTALL BENCH BY DUMOR, INC PER DETAIL ON SHEET SD-3.
19. INSTALL 4' HIGH CHAIN LINK FENCE PER STD PLANS FOR PUBLIC WORKS CONSTRUCTION STD. NO. 600-4.
20. INSTALL 6'-6" DECORATIVE WROUGHT IRON FENCE, SEE SD-1 AND SD-2 DETAILS.
21. CONSTRUCT 4" PCC CASE F CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. FIELD VERIFY THAT CURB RAMP DOES NOT IMPACT CEMETERY HEADSTONES.
22. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
23. INSTALL 1 1/2" SCHEDULE GRAY PVC CONDUIT WITH 3-#10 WIRES, MINIMUM 6" DEPTH AND +/- 1' FROM THE EDGE OF HEADSTONES.
24. INSTALL PULL BOX TYPE NO 3 1/2 PER CALTRANS STD PLAN NO. ES-8A.
25. INSTALL TYPE II RUBBERIZED EMULSION-AGGREGATE SLURRY (REAS) COAT.

WATER QUALITY CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. GRADE TO DRAIN.
3. INSTALL STORM WATER MEMBRANE FILTRATION DEVICE WITHIN EXISTING DROP INLET STRUCTURE PER DETAIL ON THIS SHEET.
4. INSTALL TYPE L (CA) MARKER WITH OM2-1H.
5. INSTALL CLASS V ROCK SLOPE PROTECTION.
6. REMOVE EXISTING CORRUGATED STEEL PIPE, INSTALL 24" CORRUGATED HDPE PIPE WITH MINIMUM 12" COVER TO EXISTING GRADE, AND REGRADE EXISTING DRIVEWAY.
7. INSTALL CORRUGATED STEEL ENTRANCE TAPER TYPE 1 ALTERNATIVE B PER CALTRANS STD. PLAN D87A.
8. INSTALL 3/4-INCH FRACUTRED ROCK FOR A DEPTH OF 3-INCHES TO FINISHED GRADE.

ISSUED FOR BID

UTILITY DISPOSITION NOTES:

1. PROTECT IN PLACE.
2. ADJUST METER BOX TO GRADE (EMWD)
3. ADJUST METER BOX TO GRADE (EVMWD)
4. REMOVE WATER METER, METER BOX AND SERVICE TO CURB STOP AND INSTALL NEW 1" DOMESTIC WATER SERVICE PER EVMWD STANDARD DWG NO. W-9/RECONNECT TO EXISTING PRIVATE SERVICE, UTILITY TRENCH BACKFILL PER COUNTY OF RIVERSIDE STANDARD DWG. NO. 818.
5. ADJUST WATER VALVE CAN TO GRADE (EMWD).
6. ADJUST WATER VALVE CAN TO GRADE (EVMWD)
7. ADJUST FIRE HYDRANT TO GRADE PER DETAIL ON SHEET U-1.
8. REMOVE AND INSTALL NEW 6" FIRE HYDRANT, REMOVE AND DISPOSE 6" DUCTILE IRON BURY, AND INSTALL A 6" STANDPIPE EXTENSION AND 6" DUCTILE IRON BURY TO RELOCATE FIRE HYDRANT ASSEMBLY AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. W-7 FOR MORE INFORMATION.
9. REMOVE AND INSTALL NEW 6" BLOW-OFF ASSEMBLY AND STEEL COVER, REMOVE AND DISPOSE 6" SPOOL/90 DEGREE ELBOW, AND INSTALL A 6" PIPE BLOW OFF RUN EXTENSION WITH NEW 90 DEGREE ELBOW AND 6" SPOOL TO RELOCATE 8" BLOW-OFF ASSEMBLY AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. RW-1 FOR MORE INFORMATION.
10. REMOVE AND INSTALL NEW 8" BLOW-OFF ASSEMBLY AND STEEL COVER, REMOVE AND DISPOSE 8" SPOOL/90 DEGREE ELBOW, AND INSTALL A 8" PIPE BLOW OFF RUN EXTENSION WITH NEW 90 DEGREE ELBOW AND 8" SPOOL TO RELOCATE 8" BLOW-OFF ASSEMBLY AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. RW-1 FOR MORE INFORMATION.
11. ADJUST BLOW OFF METER BOX TO GRADE.
12. REMOVE AND INSTALL NEW 6" AIR RELEASE VALVE AND VACCUUM RELIEF ASSEMBLY AND VALVE ENCLOSURE, REMOVE AND DISPOSE 6" RISER/90 DEGREE BEND, AND INSTALL NEW 6" DUCTILE IRON PIPE EXTENSION WITH NEW 90 DEGREE BEND AND 6" RISER TO RELOCATE 6"AIR RELEASE VALVE AND VACCUUM RELIEF ASSEMBLY AND VALVE ENCLOSURE AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. W-17 FOR MORE INFORMATION.
13. REMOVE AND INSTALL NEW 8" AIR RELEASE VALVE AND VACCUUM RELIEF ASSEMBLY AND VALVE ENCLOSURE, REMOVE AND DISPOSE 8" RISER/90 DEGREE BEND, AND INSTALL NEW 8" DUCTILE IRON PIPE EXTENSION WITH NEW 90 DEGREE BEND AND 8" RISER TO RELOCATE 8"AIR RELEASE VALVE AND VACCUUM RELIEF ASSEMBLY AND VALVE ENCLOSURE AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. W-17 FOR MORE INFORMATION.
14. COORDINATE WITH EMWD TO RELOCATE / ADJUST DIRECT BURIAL CABLE AND RECLAIMED WATER PEDESTAL.
15. ADUST TO GRADE BY SCG.
16. ADUST TO GRADE BY AT&T.
17. ADJUST TO GRADE BY SPECTRUM.
18. ADJUST TO GRADE BY SCE.
19. RELOCATE BY SCE.
20. GUY ANCHOR TO BE RELOCATED BY SOUTHER CALIFORNIA EDISON.
21. REMOVE STEEL BOLLARD.
22. RELOCATE BY CROWN CASTLE.
23. REMOVE AND DISPOSE STEEL BOLLARD AND FOUNDATION.
24. REMOVE AND DISPOSE PCC CONCRETE PAD AROUND UTILITY.
25. ADJUST IRRIGATION CONTROL VALVE BOX TO GRADE.
26. RELOCATE BY AT&T.
27. REMOVE EXISTING ELECTRIC PULL BOX AND INSTALL NEW NON-TRAFFIC PULL BOX PER CALTRANS STANDARD PLAN ES-8A AND EXTEND CONDUIT AND CONDUCTORS TO NEW PULL BOX LOCATION, COORDINATE WITH POST OFFICE TO SCHEDULE TEMPORARY OUTAGE TO CIRCUIT SERVING FRONTAGE LIGHTS.
28. RELOCATE BY SPECTRUM.
29. RELOCATE GAS AIR RELEASE VALVE BY SCG.

STRIPING CONSTRUCTION NOTES:

1. PLACE 12" SOLID WHITE LINE (THERMOPLASTIC).
2. PLACE 12" SOLID YELLOW LINE (THERMOPLASTIC).
3. PLACE DECORATIVE CROSSWALK PER DETAIL 12 ON SHEET C-2.
4. PLACE CALTRANS STD NO. A20A, DETAIL 9 DASHED WHITE STRIPE (THERMOPLASTIC) (WITH TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKERS).
5. PLACE 6" SOLID WHITE LEAD IN / OUT STRIPE (THERMOPLASTIC) PER DETAIL 1 ON SHEET PD-1.
6. PLACE CALTRANS STD NO. A20A, DETAIL 22 DOUBLE YELLOW STRIPE (THERMOPLASTIC) (WITH TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
7. PLACE CALTRANS STD NO. A20B, DETAIL 27B SOLID WHITE STRIPE (THERMOPLASTIC).
8. PLACE CALTRANS STD NO. A20B, DETAIL 29 DOUBLE YELLOW MEDIAN STRIPE (THERMOPLASTIC) (BOTH DIRECTIONS AND TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
9. PLACE CALTRANS STD NO. A20B, DETAIL 32 DOUBLE YELLOW MEDIAN STRIPE (THERMOPLASTIC) (BOTH DIRECTIONS AND TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
10. PLACE CALTRANS STD NO. A20D, DETAIL 37B SOLID WHITE STRIPE (THERMOPLASTIC) (WITH TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKERS).
11. PLACE CALTRANS STD NO. A20D, DETAIL 38 SOLID WHITE STRIPE (THERMOPLASTIC) (WITH TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKERS).
12. PLACE CALTRANS STD NO. A20D, DETAIL 39 SOLID WHITE BIKE LANE STRIPE (THERMOPLASTIC).
13. PLACE CALTRANS STD NO. A20D, DETAIL 39A DASHED WHITE BIKE LANE STRIPE (THERMOPLASTIC).
14. PLACE TYPE IV LEFT ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
15. PLACE TYPE IV RIGHT ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
16. PLACE TYPE VI ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
17. PLACE BIKE LANE ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
18. PLACE BIKE LANE SYMBOL WITH PERSON (THERMOPLASTIC) PER CALTRANS STD A24C.
19. PLACE PEDESTRIAN SIDEWALK DIRECTIONAL ARROW (THERMOPLASTIC) PER DETAIL 8 ON SHEET C-2.
20. PLACE PEDESTRIAN SYMBOL (THERMOPLASTIC) PER DETAIL 8 ON SHEET C-2.
21. PLACE SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD A24C (THERMOPLASTIC).
22. PLACE SOLID GREEN WITH ANTI-SKID RESITANCE CONFLICT STRIPING (THERMOPLASTIC) PER DETAIL 2 ON SHEET PD-1.
23. PLACE DASHED GREEN WITH ANTI-SKID RESITANCE CONFLICT STRIPING (THERMOPLASTIC) PER DETAIL 3 ON SHEET PD-1.
24. PLACE "40" (THERMOPLASTIC) PER CALTRANS STD A24C.
25. PLACE "35" (THERMOPLASTIC) PER CALTRANS STD A24C.
26. PLACE "50" (THERMOPLASTIC), MINIMUM 8 FOOT HEIGHT AND REFER TO CALTRANS STD A24C FOR ADDITIONAL INFORMATION.
27. PLACE "STOP" (THERMOPLASTIC) PER CALTRANS STD A24D.
28. NOT USED.
29. PLACE 6" SOLID WHITE CHEVRON STRIPE (THERMOPLASTIC).
30. PLACE 6" SOLID WHITE DIAGONAL STRIPE AT 45° (THERMOPLASTIC).
31. PLACE 4" SOLID WHITE PARKING STALL STRIPE (THERMOPLASTIC).
32. PLACE "SCHOOL" (YELLOW THERMOPLASTIC) PER CALTRANS STD A24D.
33. PLACE TYPE I ARROW (MODIFIED TO 7.5' LENGTH) PER CALTRANS STD. A24A (THERMOPLASTIC).

LEGEND OF SYMBOLS:

- EXISTING WATER VALVE
- EXISTING IRRIGATION BOX
- EXISTING SIGN
- EXISTING GUY POLE/ANCHOR
- EXISTING IRRIGATION VALVE
- EXISTING UTILITY POLE
- EXISTING BLOW OFF
- EXISTING GUY POLE
- EXISTING UTILITY BOX/VAULT
- EXISTING MANHOLE
- EXISTING AV/AR
- EXISTING LIGHT POLE
- EXISTING BUSH
- EXISTING GAS VALVE
- EXISTING BFPD/DCDA
- EXISTING DROP INLET
- EXISTING CURB INLET
- EXISTING AREA DRAIN
- EXISTING COMM WARNING SIGN
- EXISTING CONTROL POINT
- EXISTING MONUMENT FND
- EXISTING FLAG POLE
- EXISTING STEEL BOLLARD
- EXISTING SIGNAL POLE
- EXISTING FIRE DEPART CONNECTION
- EXISTING TRAFFIC SIGNAL BOX
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING WATER RISER
- EXISTING GATE POST
- EXISTING MAILBOX RESIDENTIAL
- EXISTING SURVEY CENTERLINE
- EXISTING ELECTRIC CABINET/BOX
- EXISTING GAS VAULT
- EXISTING ELECTRICAL VAULT
- EXISTING CENTERLINE
- EXISTING FENCING
- EXISTING BLOCK WALL

UTILITY LEGEND:

- COMMUNICATION AERIAL
- COMMUNICATION UNDERGROUND
- COMMUNICATION UNDERGROUND FIBER
- GAS LINE
- ELECTRIC LINE AERIAL
- ELECTRIC LINE UNDERGROUND
- SEWER LINE
- WATER LINE

SIGN DISPOSITION NOTES:

1. INSTALL NEW SIGN ON NEW 2" SQUARE STEEL POST PER DETAIL 4 ON SHEET S-2.
2. NOT USED.
3. EXISTING SIGN TO BE PROTECTED IN PLACE.
4. REMOVE AND DISPOSE EXISTING SIGN.

ABBREVIATIONS:

Δ	DELTA	L	LONG
Ø	DIAMETER	LF	LINEAR FEET
AC	ASPHALT CONCRETE	MAX	MAXIMUM
AP	ANGLE POINT	MH	MANHOLE
ARHM	ASPHALT RUBBER HOT MIX	MIL	ONE THOUSANDTH OF AN INCH
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MIN	MINIMUM
AV/AR	AIR VACUUM/AIR RELEASE	NO.	NUMBER
BC	BEGIN CURVE	NTS	NOT TO SCALE
BCR	BEGIN CURB RETURN	OC	ON CENTER
BEG	BEGIN	OG	ORIGINAL GROUND
BFPD	BACKFLOW PREVENTION DEVICE	OH	OVERHEAD
BO	BLOWOFF	PCC	PORTLAND CEMENT CONCRETE
BW	BACK OF WALK	PCC	POINT OF COMPOUND CURVATURE
CAB	CRUSHED AGGREGATE BASE	PED	PEDESTRIAN
C&G	CURB AND GUTTER	PRC	POINT OF REVERSE CURVATURE
CALIF.	CALIFORNIA	PROP	PROPOSED
CF	CURB FACE	PSI	POUNDS PER SQUARE INCH
CL, ℄	CENTERLINE	PVT	PRIVATE
CLF	CHAIN LINK FENCE	R/W	RIGHT OF WAY
CLR	CLEARANCE	S/W	SIDEWALK
CONST.	CONSTRUCTION	SALV	SALVAGED
CMU	CONCRETE MASONRY UNIT	S.C.D.	SEE CIVIL DRAWINGS
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	SCE	SOUTHERN CALIFORNIA EDISON
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	SNS	STREET NAME SIGN
DWY	DRIVEWAY	SF	SQUARE FEET
EC	END OF CURVE	SO.	SOUTHERN
EG	EXISTING GRADE	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
ELEC	ELECTRICITY	ST.	STREET
EM	ELECTRIC METER	STD	STANDARD
EMWD	EASTERN MUNICIPAL WATER DISTRICT	TB	TOP OF BERM
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
ES	EXISTING SURFACE	TELECOM	TELECOMMUNICATION
EV	ELECTRIC VAULT	TF	TOP OF FOOTING
EVMWD	ELSINORE VALLEY MUNICIPAL WATER DISTRICT	TR.	TRAIL
EXIST	EXISTING	TYP	TYPICAL
F'C	COMPRESSIVE STRENGTH OF CONCRETE	TW	TOP OF WALL
FG	FINISHED GRADE	TWF	TOP OF WROUGHT IRON FENCE
FH	FIRE HYDRANT	UNDG	UNDERGROUND
FL	FLOW LINE	VC	VERTICAL CURVE
FS	FINISHED SURFACE	VERT	VERTICAL
FY	YIELD STRENGTH OF STEEL	W	WIDE
GV	GAS VALVE	W/C	WATER-CEMENT
H	HIGH	WM	WATER METER
HOR'Z	HORIZONTAL	WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE	X-GUTTER	CROSS GUTTER

DIGALERT — CALL BEFORE YOU DIG. DIAL BEFORE YOU DIG. TWO WORKING DAYS BEFORE YOU DIG. TOLL FREE 1-800-422-4133. A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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The private engineer signing these plans is responsible for assuring the accuracy and acceptability of the design hereon. In the event of discrepancies arising after City acceptance or during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for acceptance by the City.

MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY: 7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

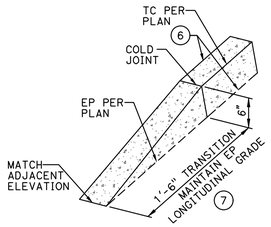
PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
LAYOUT NOTES

SHEET No. T-3 SHT-3
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_T-3.DWG 6/20/2024 10:51:18 AM

Plans Prepared On:6/18/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



DETAIL 1 - TYPICAL CURB HEIGHT TRANSITION
NTS

CURB TRANSITION NOTES:

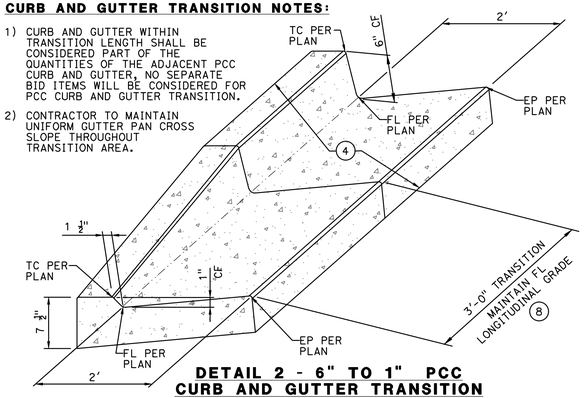
1) CURB ADJACENT TO PCC CONCRETE SLABS IN PARKING AREAS SHALL BE POURED MONOLITHICALLY WITH PCC CONCRETE SLABS.

2) CURB WITHIN TRANSITION LENGTH SHALL BE CONSIDERED PART OF THE QUANTITIES OF THE ADJACENT PCC CURB, NO SEPARATE BID ITEMS WILL BE CONSIDERED FOR PCC CURB TRANSITION.

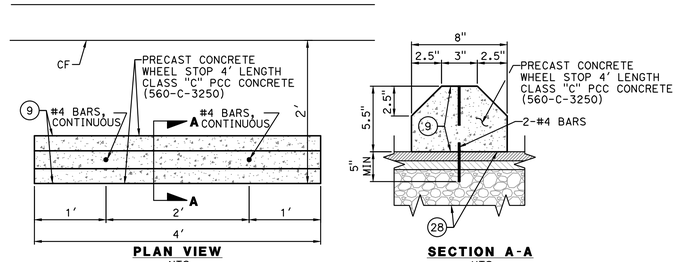
CURB AND GUTTER TRANSITION NOTES:

1) CURB AND GUTTER WITHIN TRANSITION LENGTH SHALL BE CONSIDERED PART OF THE QUANTITIES OF THE ADJACENT PCC CURB AND GUTTER, NO SEPARATE BID ITEMS WILL BE CONSIDERED FOR PCC CURB AND GUTTER TRANSITION.

2) CONTRACTOR TO MAINTAIN UNIFORM GUTTER PAN CROSS SLOPE THROUGHOUT TRANSITION AREA.



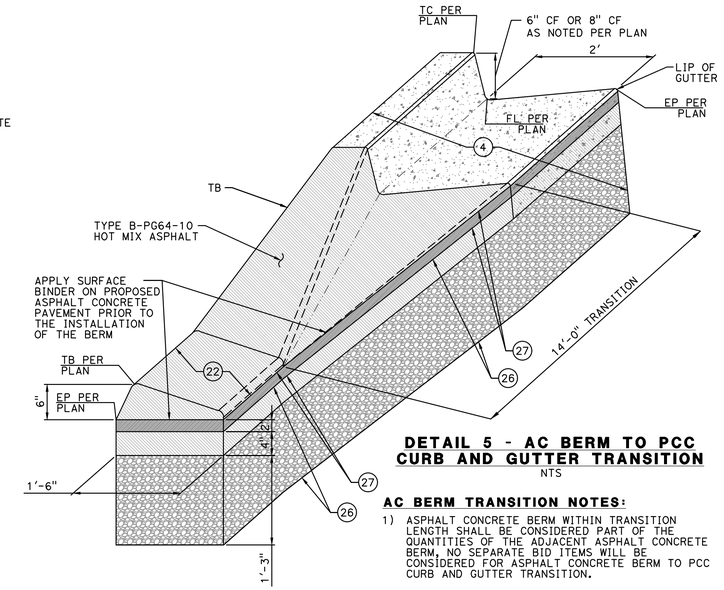
DETAIL 2 - 6" TO 1" PCC CURB AND GUTTER TRANSITION
NTS



PLAN VIEW
NTS

SECTION A-A
NTS

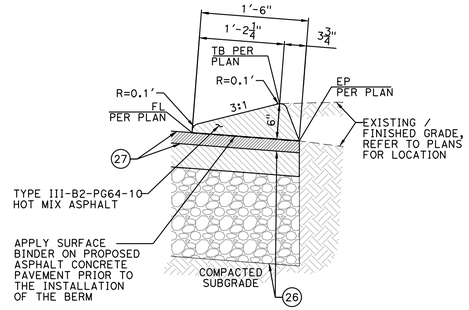
DETAIL 3 - TYPICAL WHEEL STOP
NTS



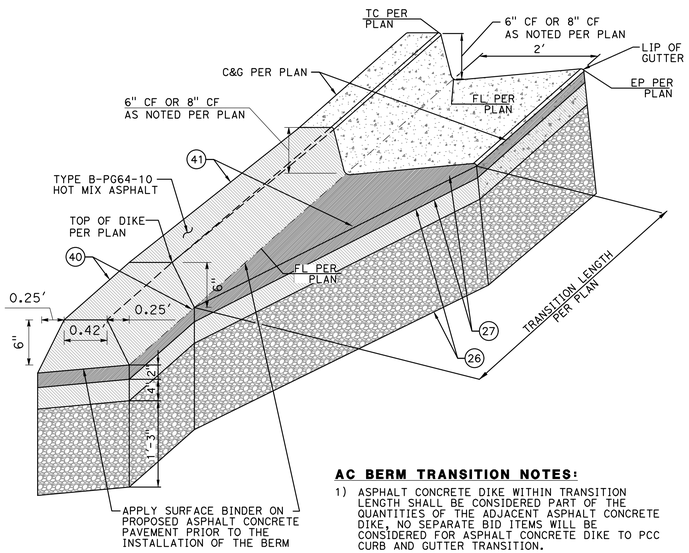
DETAIL 5 - AC BERM TO PCC CURB AND GUTTER TRANSITION
NTS

AC BERM TRANSITION NOTES:

1) ASPHALT CONCRETE BERM WITHIN TRANSITION LENGTH SHALL BE CONSIDERED PART OF THE QUANTITIES OF THE ADJACENT ASPHALT CONCRETE BERM, NO SEPARATE BID ITEMS WILL BE CONSIDERED FOR ASPHALT CONCRETE BERM TO PCC CURB AND GUTTER TRANSITION.



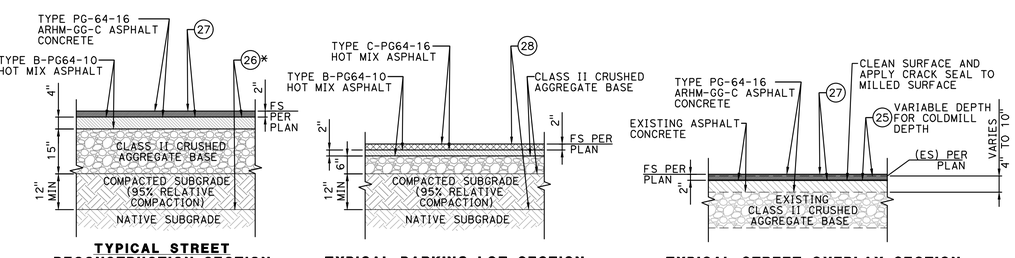
DETAIL 4 - ASPHALT CONCRETE BERM
NTS



AC BERM TRANSITION NOTES:

1) ASPHALT CONCRETE DIKE WITHIN TRANSITION LENGTH SHALL BE CONSIDERED PART OF THE QUANTITIES OF THE ADJACENT ASPHALT CONCRETE DIKE, NO SEPARATE BID ITEMS WILL BE CONSIDERED FOR ASPHALT CONCRETE DIKE TO PCC CURB AND GUTTER TRANSITION.

DETAIL 13 - AC DIKE TO PCC CURB AND GUTTER TRANSITION
NTS



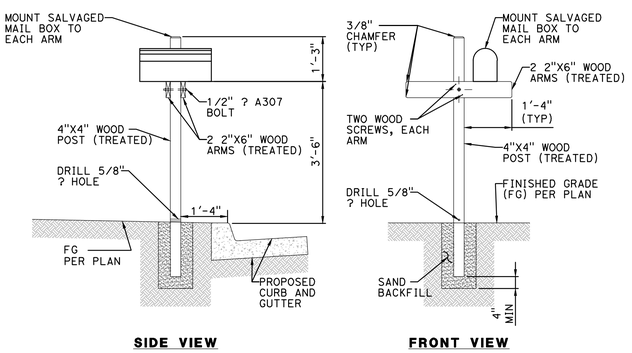
TYPICAL STREET RECONSTRUCTION SECTION

TYPICAL PARKING LOT SECTION

TYPICAL STREET OVERLAY SECTION

* UNLESS NOTED OTHERWISE REFER TO NOTE FOR PALOMAR ST AND GRUWELL ST INTERSECTION PER SHEETS L-5, L-8, AND L-9.

DETAIL 6 - TYPICAL ASPHALT CONCRETE CONSTRUCTION / PLACEMENT
NTS



SIDE VIEW

FRONT VIEW

DETAIL 10 - MAIL BOX INSTALLATION
NTS

CONSTRUCTION NOTES

4 CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)

6 CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).

7 CONSTRUCT 6" TO 0" PCC CURB TRANSITION PER DETAIL 1 ON SHEET 4, C-1.

8 CONSTRUCT 6" TO 1" PCC CURB AND GUTTER TRANSITION PER DETAIL 2 ON SHEET 4, C-1. (UNLESS OTHERWISE NOTED ON PLANS)

9 INSTALL WHEEL STOP PER DETAIL 3 ON SHEET 4, C-1

22 CONSTRUCT AC BERM PER DETAIL 4 ON SHEET 4, C-1.

25 COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.

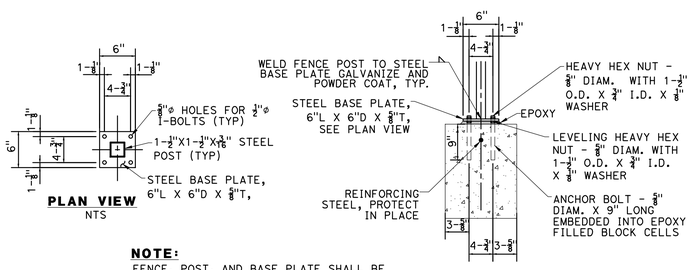
26 CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

27 CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.

28 CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

40 CONSTRUCT 6" AC DIKE PER RIVERSIDE COUNTY STD NO. 212.

41 CONSTRUCT 6" AC DIKE TO CURB AND GUTTER TRANSITION PER DETAIL 13 ON SHEET 4, C-1.



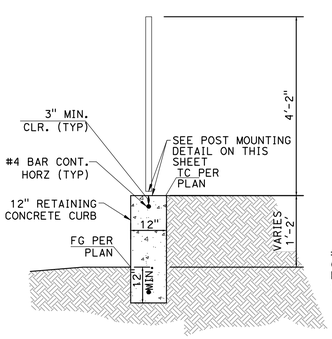
PLAN VIEW
NTS

SECTION VIEW
NTS

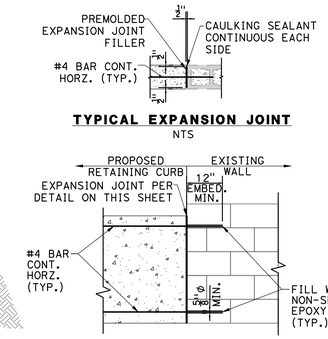
NOTE:

FENCE, POST, AND BASE PLATE SHALL BE GALVANIZED AND POWDER COATED, COLOR SAMPLES SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO FABRICATION.

WROUGHT IRON FENCE POST MOUNTING DETAIL
NTS



RETAINING CURB SECTION VIEW
NTS



TYPICAL EXPANSION JOINT
NTS

TYPICAL WALL JOIN DETAIL
NTS

DETAIL 11 - RETAINING CURB

ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
DETAILS

SHEET No. C-1 SHT-4
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_C-1.DWG 4/22/2024 8:52:09 AM

Plans Prepared On:4/15/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

ISSUED FOR BID

GENERAL APPLICATION NOTES - MULTI-USE TRAIL & CROSSWALK

1. PATTERNS BASED UPON THE FOLLOWING PRODUCT AND MANUFACTURER:

   MANUFACTURER: PPG TRAFFIC SOLUTIONS
   4161 PIEDMONT PARKWAY, SUITE 370
   GREENSBORO, NC 27410
   PHONE: (800) 331-8118
   FAX: (336) 475-7900
   EMAIL: SALES@ENNISFLINT.COM

   PRODUCTS:

   DECORATIVE MULTI-USE TRAIL: TRAFFICPATTERNSLT

   DECORATIVE CROSSWALK: TRAFFICPATTERNSXD IMPRESSED SURFACE SYSTEM

   PRODUCTS AND/OR MANUFACTURERS OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY THE CITY PRIOR TO OPENING OF BIDS.

2. ALTHOUGH COLORS AND PATTERNS ARE SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT COLORS AND PATTERN INFORMATION FROM THE MANUFACTURER/ SUPPLIER TO THE CITY FOR APPROVAL PRIOR TO INSTALLATION. ADDITIONALLY, THE CONTRACTOR SHALL POSSESS ANY CERTIFICATIONS OR PROOF OF BEING AN APPROVED VENDOR TO INSTALL PRODUCTS AS RECOMMENDED/REQUIRED BY THE MANUFACTURER/SUPPLIER.
3. CONTRACTOR SHALL POSTPONE INSTALLATION UNTIL AMBIENT AND SUBSTRATE TEMPERATURES SHALL BE 45°F (7°C) AND RISING WITH NO CHANCE OF PRECIPITATION DURING INSTALLATION.
4. CONTRACTOR TO CLEAN ASPHALT CONCRETE SURFACE THOROUGHLY PRIOR TO INSTALLATION OF STAMPED ASHPALT SURFACE.
5. CONTRACTOR SHALL STENCIL WALKWAY ON ASPHALT SURFACE USING ROPE, ROAD MARKING PAINT, AND 2' X 2' STAMPED TEMPLATE PRIOR TO APPLICATION.
6. CONTRACTOR SHALL APPLY HEAT TO ASHPALT CONCRETE SURFACE USING PORTABLE PROPANE HEATER UNTIL SURFACE MOISTURE REMOVED PER MANUFACTURER'S RECOMMENDATIONS.
7. CONTRACTOR SHALL APPLY SEALER APPLICATION PRIOR TO APPLICATION OF THERMOPLASTIC MATERIAL PER MANUFACTURER'S RECOMMENDATIONS. UPON COMPLETION OF SEALER APPLICATION, CONTRACTOR SHALL HEAT SUBSTRATE SURFACE USING PROPANE STREET HEATER. CONTRACTOR SHALL PLACE 2' X 2' THERMOPLASTIC SHEETS PER MANUFACTURER'S RECOMMENDATIONS WITH AGGREGATE SIDE FACING UP WITH GAPS BETWEEN THERMOPLASTIC SHEETS OF LESS THAN 1/8". CONTRACTOR SHALL ENSURE THAT PLACEMENT IS CONSISTENT AND STRAIGHT AND SHALL BE ALIGNED WITH THERMOPLASTIC BAND ON EACH SIDE OF THE CROSSWALK.
8. CONTRACTOR SHALL REMOVE AND DISPOSE SECTIONS OF THERMOPLASTIC TEMPLATE IN CONFLICT WITH AREAS SUCH AS MANHOLES, GUTTER PANS, CURBS, ETC. USING A HEAVY DUTY UTILITY KNIFE.
9. CONTRACTOR SHALL HEAT THERMOPLASTIC SURFACE USING PROPANE STREET HEATER AT 350°F-400°F (175°C-205°C) AND MAINTAINED BETWEEN 350°F-375°F (175°C-190°C) UNTIL MATERIAL HAS ACHIEVED A FULLY MOLTEN STATE. CONTRACTOR SHALL CONFIRM PANELS ARE MOLTEN, FUSED TOGETHER AND FULLY BONDED TO SUBSTRATE SURFACE PER MANUFACTURER'S RECOMMENDATIONS.
10. AS THERMOPLASTIC BEGINS TO COOL TO 160°F-170°F (72°C-77°C), CONTRACTOR SHALL STAMP SURFACE USING CITY APPROVED TEMPLATE OVER LAYOUT LINES MADE PREVIOUSLY. CONTRACTOR SHALL STAMP SURFACE USING A VIBRATORY PLATE COMPACTOR PER MANUFACTURER'S RECOMMENDATIONS.
11. CONTRACTOR SHALL USED HAND TOOLS IN SHALLOW AREAS AND AREAS OF NEED TO CONTINUE PATTERN THROUGHOUT ENTIRE CROSSWALK.
12. IN AREAS WHERE MULTI-USE TRAIL WIDTH IS DIFFERENT FROM DIMENSIONS SHOWN ON THE DETAILS HEREIN, THE CONTRACTOR SHALL SUBMIT A PLAN USING THE APPROVED TEMPLATES SHOWING PROPOSED PATTERN LAYOUT.

GENERAL APPLICATION NOTES - ASPHALT SIDEWALK

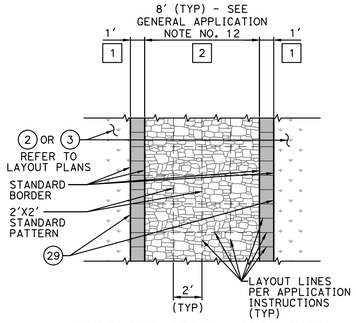
1. CONTRACTOR SHALL SUBMIT STENCILS FOR PEDESTRIAN THRU ARROW AND PAVEMENT LEGEND, AND ACRYLIC PAINT COLOR SAMPLES TO THE CITY FOR APPROVAL PRIOR TO INSTALLATION OF MATERIALS.
2. CONTRACTOR TO CLEAN ASPHALT CONCRETE SURFACE THOROUGHLY PRIOR TO INSTALLATION OF THERMOPLASTIC AND ACRYLIC PAINT FEATURES.

CONSTRUCTION NOTES - STAMPED ASPHALT

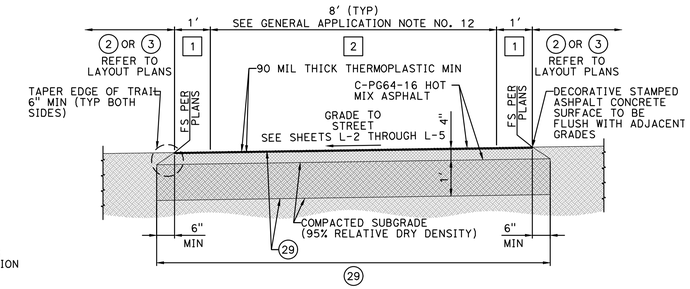
1. INSTALL 90 MIL THICK MIN, THERMOPLASTIC WITH ANTI-SKID ELEMENTS STAMPED ASPHALT CONCRETE STANDARD BORDER SURFACE PER INSTRUCTIONS ABOVE, TERRA COTTA COLOR WITH SQUARE BLOCK TEMPLATE.
2. INSTALL 90 MIL THICK MIN, THERMOPLASTIC WITH ANTI-SKID ELEMENTS STAMPED ASPHALT CONCRETE SURFACE PER INSTRUCTIONS ABOVE, KHAKI COLOR WITH STONE TEMPLATE.
3. NOT USED.
4. INSTALL 6" SOLID WHITE THERMOPLASTIC SKID RESISTANT STRIPE.
5. INSTALL SOLID WHITE THERMOPLASTIC SKID RESISTANT PEDESTRIAN THRU ARROW.
6. INSTALL SOLID WHITE THERMOPLASTIC SKID RESISTANT PEDESTRIAN PAVEMENT MARKING.
7. INSTALL SOLID WHITE THERMOPLASTIC SKID RESISTANT BIKE LANE ARROW PER CALTRANS STD PLAN A24A.
8. INSTALL SOLID WHITE THERMOPLASTIC SKID RESISTANT BIKE LEGEND WITHOUT PERSON PER CALTRANS STD PLAN A24C.
9. INSTALL 150 MIL THICK MIN, SOLID THERMOPLASTIC BAND, COLOR (YELLOW OR WHITE) PER SIGNING AND STRIPING PLANS.
10. INSTALL 150 MIL THICK MIN, THERMOPLASTIC WITH ANTI-SKID ELEMENTS STAMPED ASPHALT CONCRETE STANDARD BORDER SURFACE PER INSTRUCTIONS ABOVE, BLACK COLOR WITH STACKED BRICK TEMPLATE.
11. INSTALL 150 MIL THICK MIN, THERMOPLASTIC WITH ANTI-SKID ELEMENTS STAMPED ASPHALT CONCRETE SURFACE PER INSTRUCTIONS ABOVE, SAND COLOR WITH SLATE TEMPLATE.

CONSTRUCTION NOTES

- (2) GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.
- (3) GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
- (15) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
- (26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
- (27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
- (29) CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
- (31) CONSTRUCT 4" THICK ASPHALT SIDEWALK OVER 12" COMPACTED SUBGRADE.
- (34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

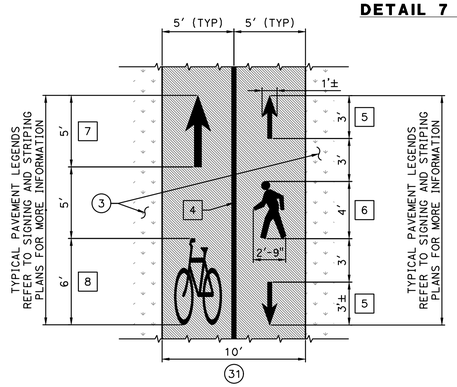


MULTI-USE TRAIL - PLAN VIEW
NTS

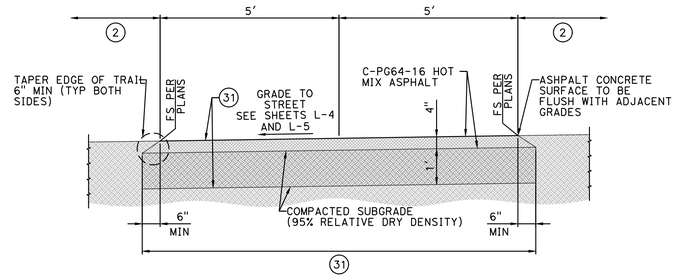


MULTI-USE TRAIL - SECTION VIEW
NTS

DETAIL 7 - MULTI-USE TRAIL
NTS

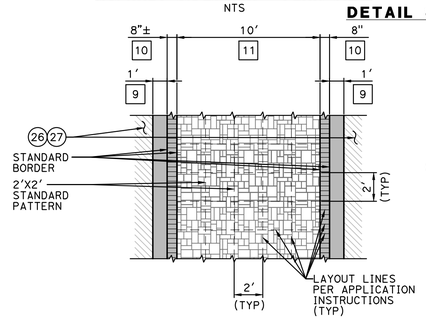


ASPHALT SIDEWALK - PLAN VIEW
NTS

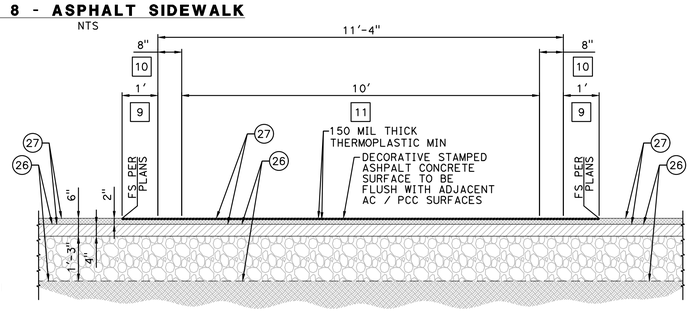


ASPHALT SIDEWALK - SECTION VIEW
NTS

DETAIL 8 - ASPHALT SIDEWALK
NTS

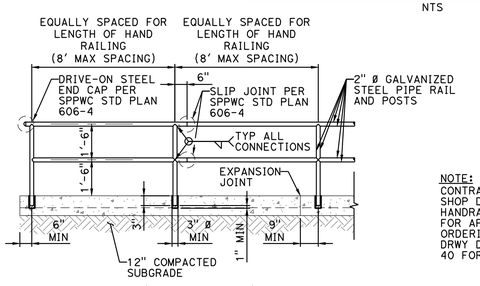


DECORATIVE CROSSWALK - PLAN VIEW
NTS

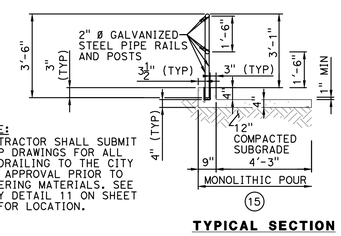


DECORATIVE CROSSWALK - SECTION VIEW
NTS

DETAIL 12 - DECORATIVE CROSSWALK
NTS



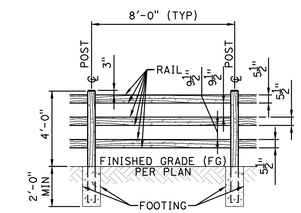
TYPICAL ELEVATION



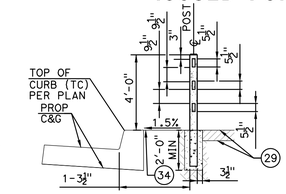
NOTE:
CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL HANDRAILING TO THE CITY FOR APPROVAL PRIOR TO ORDERING MATERIALS. SEE DRWY DETAIL 11 ON SHEET 40 FOR LOCATION.

TYPICAL SECTION

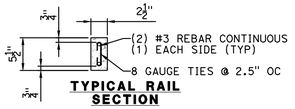
DETAIL 9 - ADA WALKWAY
NTS



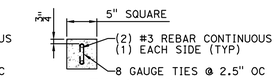
TYPICAL ELEVATION



TYPICAL SECTION

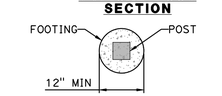


TYPICAL RAIL SECTION



TYPICAL POST SECTION

TYPICAL RAIL



TYPICAL POST & FOOTING

SPLIT RAIL FENCE GENERAL NOTES

GENERAL

1. THIS DESIGN IS BASED UPON THE FOLLOWING PRODUCT AND MANUFACTURER:

   MANUFACTURER: AMERICAN PRE-CAST CONCRETE, INC.
   2246 N DURFEE AVE
   EL MONTE, CA 91732
   PHONE: (866) 235-7860
   EMAIL: INFO@AMERICANPRECASTFENCES.COM
   PRODUCT: WOODCRETE RAILS

   A PRODUCT AND MANUFACTURER OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY THE CITY PRIOR TO OPENING OF BIDS.

2. COLOR: POST, PANELS AND PANEL CAPS SHALL BE INTEGRALLY COLORED. COLOR SHALL BE SEQUOIA SAND (COLOR NO. 641), CONTRACTOR SHALL PROVIDE CITY PHYSICAL SAMPLES FOR APPROVAL PRIOR TO PLACING ORDER OF PRODUCT.
3. UPON RECEIPT OF PRECAST PRODUCTS AT THE JOB SITE, THE CONTRACTOR SHALL VERIFY THOSE PRODUCTS ARE FREE OF CRACKS AND DEFECTS PRIOR TO INSTALLATION. ANY PRECAST PRODUCTS FOUND TO HAVE DEFECTS SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE CITY.

CONCRETE

1. CONCRETE SHALL BE NORMAL WEIGHT CONCRETE HAVING SAND AND GRAVEL OR CRUSHED STONE AGGREGATE. MIXED WITH ASTM-C150, TYPE I OR III PORTLAND CEMENT TO MEET THE MINIMUM COMPRESSIVE STRENGTH AS FOLLOWS:

ELEMENTS	F'C (28 DAYS)	SLUMP	MAX W/C RATIO
PRECAST PANELS & POSTS	3000 psi	5"	0.55
FOOTINGS	3000 psi	5"	0.60

2. WATER USED FOR FOOTING CONCRETE SHALL BE CLEAN WATER AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALITES, ORGANIC OR OTHER DELETERIOUS SUBSTANCES.
3. FRESH POURED CONCRETE SHALL BE TAMPED IN TO PLACE USING STEEL RAMMER, SLICING TOOLS, OR MECHANICAL VIBRATOR, UNTIL CONCRETE IS THOROUGHLY COMPACT AND WITHOUT VOID.
4. EXCAVATION FOR FOOTING SHALL BE ON UNDISTURBED SOIL OR TO THE DEPTH NOTED ON THE DRAWINGS. LEAVE THE BOTTOM BEARING SURFACE CLEAN AND SMOOTH. IF FOOTING EXCAVATIONS ARE MADE DEEPER THAN INTENDED, ONLY CONCRETE SHALL BE USED FOR FILL. REMOVE ALL LOOSE MATERIAL FROM EXCAVATIONS PRIOR TO CONCRETE POUR.
5. ALL AGGREGATES SHALL CONFORM TO ASTM C33. MAXIMUM AGGREGATE SIZES:
   A. FOOTINGS: 1-1/2"
   B. ALL OTHER WORK: 3/4"

STEEL REINFORCING

1. REINFORCING MATERIAL:
   A. DEFORMED TYPE BARS SHALL CONFORM TO ASTM-A 615, GRADE 60 PLACED AS SHOWN ON THE DRAWINGS.
   B. STEEL REINFORCING WIRE SHALL MEET U.S. STEEL WIRE GAUGE, ASTM-A 82. FY = 70,000 PSI MIN GALVANIZED.
   C. ALL TIES AND STIRRUPS SHALL CONFORM TO THE OF ASTM-A 615, GRADE 40.
   D. ALL WIRE MESH SHALL BE GALVANIZED WITH THE GAUGE AND SPACING PER PLAN. THE SMALLER SPACING SHALL BE PLACED IN THE HORIZONTAL DIRECTION.
2. REINFORCING WORKMANSHIP:
   A. REINFORCEMENT STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE CRSI STANDARD DETAIL. REINFORCING BARS SHALL BE COLD-BENT ONLY. USE OF HEAT TO BEND REINFORCEMENT STEEL SHALL BE CAUSE FOR REJECTION.
   B. REINFORCEMENT STEEL BARS AND WIRE FABRIC SHALL BE THOROUGHLY CLEANED BEFORE PLACING AND AGAIN BEFORE THE CONCRETE IS PLACED. SHALL BE ACCURATELY POSITIONED AND SECURED IN PLACE. NO BRICK OF POROUS MATERIALS MAY BE USED TO SUPPORT THE STEEL OFF THE GROUND.
   C. INSTALL ALL REINFORCEMENT WITH THE FOLLOWING CLEARANCE BETWEEN REINFORCING STEEL AND FACE OF CONCRETE:
      I. FOOTING, PIER OR BEAM BOTTOM (3").
      II. EARTH-FORMED PIER OR BEAM SIDE (2").
      III. FORMED FOOTING, PIER OR BEAM SIDES, EXPOSED (1").
      IV. PRECAST EXPOSED TO WEATHER: PANELS (3/4"), POSTS (1-1/4").
   D. SPLICES WITHIN CONTINUOUS UNSCHEDULED REINFORCING STEEL SHALL HAVE A MINIMUM LAP OF 30 BAR DIAMETERS.

DETAIL 8 - MULTI-USE TRAIL FENCE
NTS

DIGALERT — CALL BEFORE YOU DIG. DIAL BEFORE YOU DIG. TWO WORKING DAYS BEFORE YOU DIG. TOLL FREE 1-800-422-4133. A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY: 7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

DETAILS

SHEET No. C-2 SHT-5
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_C-2.DWG 5/13/2024 5:14:17 PM

Plans Prepared On:5/13/24

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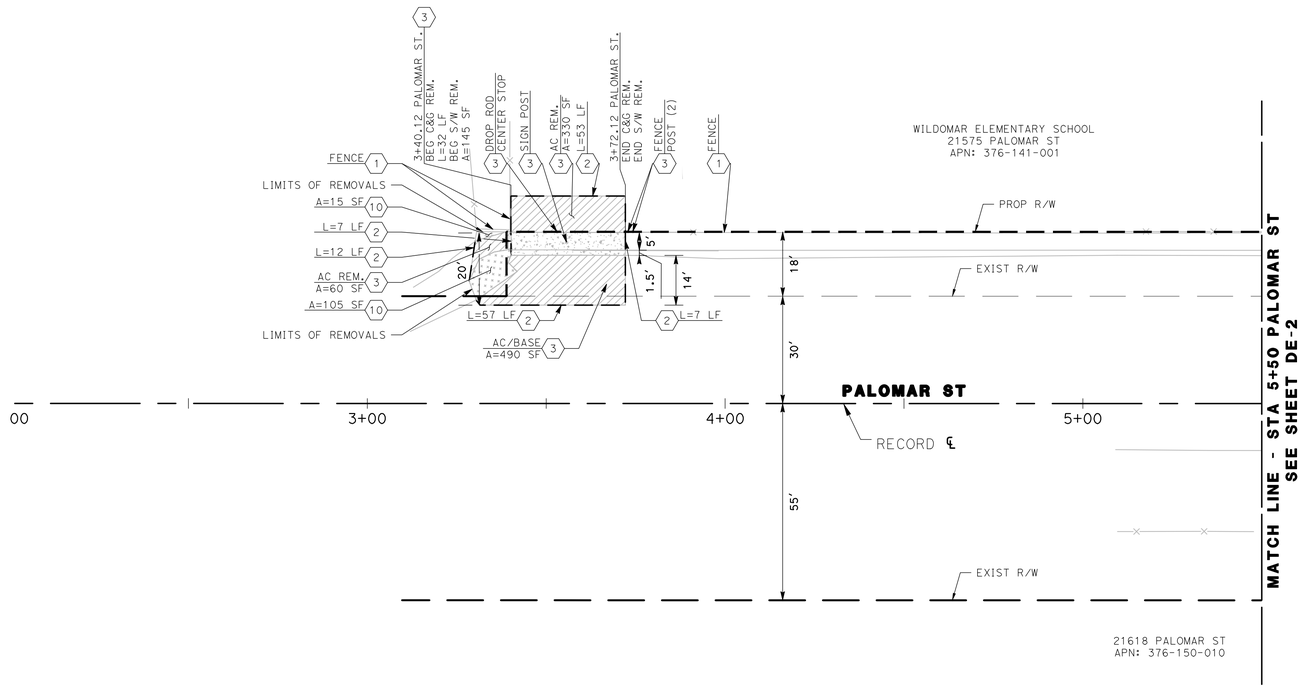
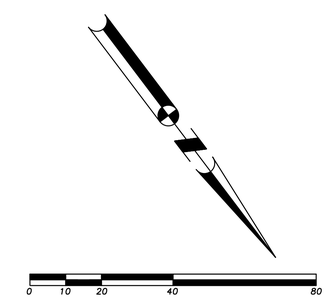
DEMOLITION NOTES

1. PROTECT IN PLACE.
2. NEATLY SAWCUT AT NEAREST JOINT FULL DEPTH, WHERE APPLICABLE.
3. REMOVE AND DISPOSE.
10. CLEAR, GRUB AND GRADE PER PLAN.



LEGEND

- NEATLY SAWCUT FULL DEPTH
- REMOVE AND DISPOSE PCC CONCRETE
- REMOVE AND DISPOSE AC/BASE MATERIALS
- CLEAR, GRUB AND GRADE PER PLAN



ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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ENGINEER				CITY	

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Date: 7/8/2024
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PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

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SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
DEMOLITION PLAN

SHEET No. DE-1 SHT-6
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_DE-1.DWG 4/24/2024 10:35:21 AM

Plans Prepared On:4/24/24

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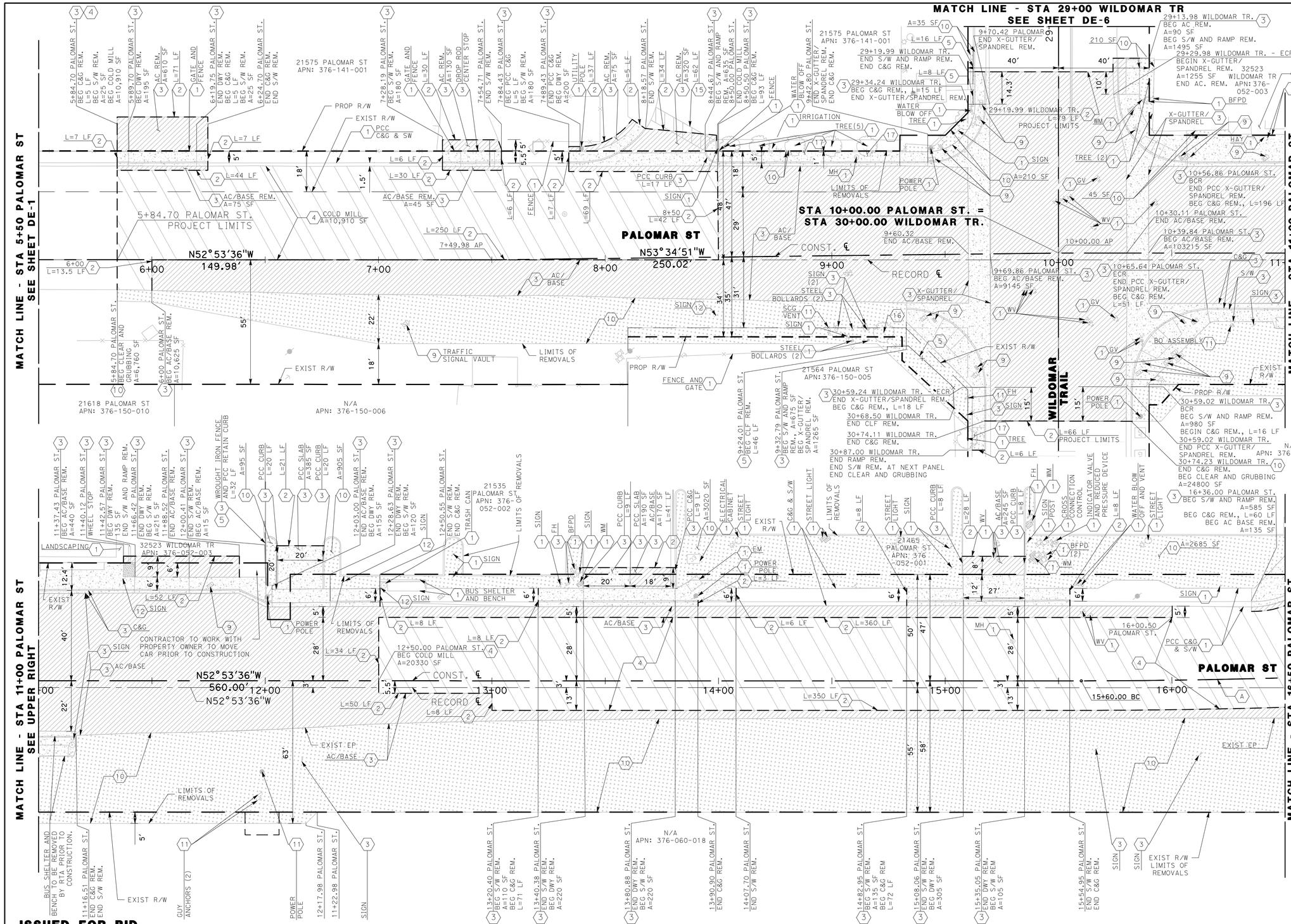

DEMOLITION NOTES

1. PROTECT IN PLACE.
2. NEATLY SAWCUT AT NEAREST JOINT FULL DEPTH, WHERE APPLICABLE.
3. REMOVE AND DISPOSE.
4. COLD MILL AC PAVEMENT (MINIMUM 2" DEPTH).
5. REMOVE AND DISPOSE FENCE, POST, POST FOUNDATION AND/OR GATES TO THE NEAREST POST.
9. REMOVE PER TRAFFIC SIGNAL PLANS.
10. CLEAR, GRUB AND GRADE PER PLAN.
11. RELOCATE PER UTILITY PLANS.
12. RELOCATE PER SIGNING AND PAVEMENT DELINEATION PLANS.
15. REMOVE STRIPING.
16. REMOVE AND DISPOSE TREE, SHRUB, OR STUMP. GRIND ROOTS MINIMUM 24" DEPTH FROM SURFACE.
17. GRIND ROOTS MINIMUM 24" DEPTH FROM SURFACE.

LEGEND

- 2 — NEATLY SAWCUT FULL DEPTH
- 3 REMOVE AND DISPOSE PCC CONCRETE
- 3 REMOVE AND DISPOSE AC/BASE MATERIALS
- 4 COLD MILL AC PAVEMENT (MINIMUM 2" DEPTH)
- 10 CLEAR, GRUB AND GRADE PER PLAN

ALIGNMENT CURVE TABLE

CURVE#	RADIUS	LENGTH	DELTA	TANGENT
A	2937.458	220.590	4°18'10"	110.35'

GRAPHIC SCALE
1" = 20'

ISSUED FOR BID

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A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
DEMOLITION PLAN

SHEET No. DE-2 SHT-7
OF 80 SHTS

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Plans Prepared On:4/29/24

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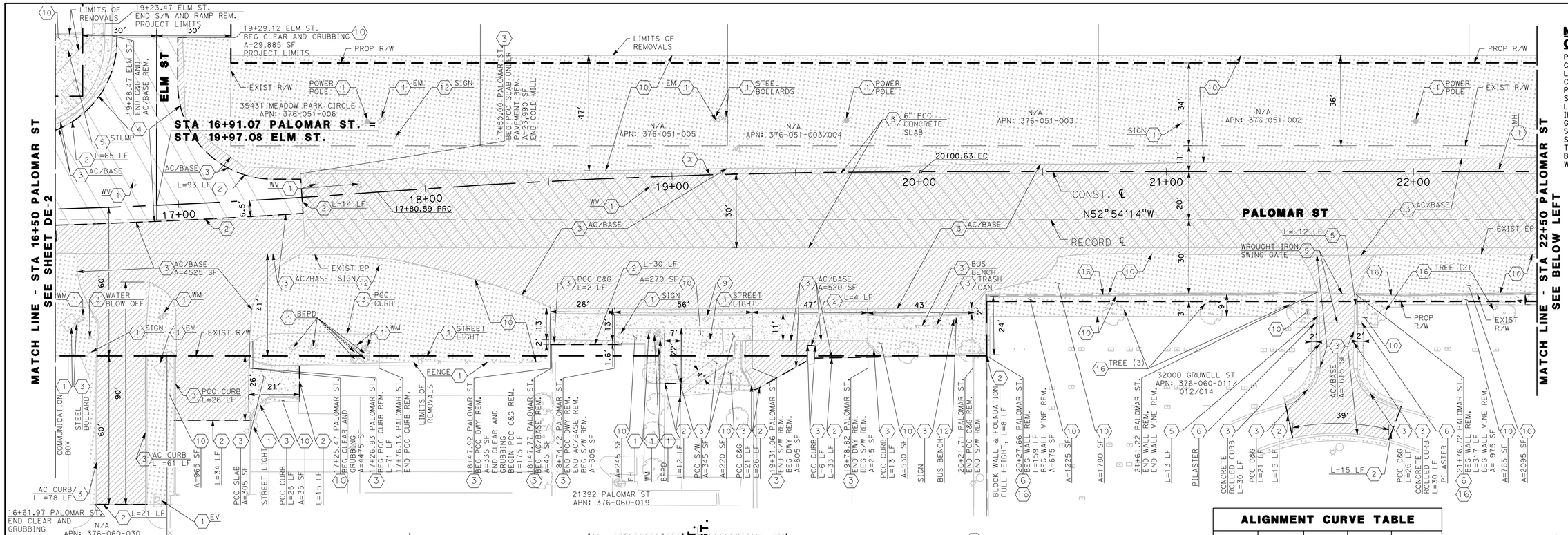


NOTE TO CONTRACTOR

PRIOR TO ANY WORK COMMENCING WITH CEMETERY LIMITS, CONTRACTOR MUST COMPLETE A GROUND PENETRATING RADAR SURVEY OF WORK AREA LIMITS TO POSITIVELY IDENTIFY LOCATIONS OF GRAVES AND UNDERGROUND STRUCTURES. THIS SURVEY SHALL BE PROVIDED TO THE CITY FOR APPROVAL BEFORE COMMENCING WITH WORK.

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
2. NEATLY SAWCUT AT NEAREST JOINT FULL DEPTH, WHERE APPLICABLE.
3. REMOVE AND DISPOSE.
4. COLD MILL AC PAVEMENT (MINIMUM 2" DEPTH).
5. REMOVE AND DISPOSE FENCE, POST, POST FOUNDATION AND/OR GATES TO THE NEAREST POST.
6. REMOVE AND DISPOSE BLOCK WALL.
7. REMOVE GRATE INLET REMOVE AND DISPOSE.
9. REMOVE PER TRAFFIC SIGNAL PLANS.
10. CLEAR, GRUB AND GRADE PER PLAN.
11. RELOCATE PER UTILITY PLANS.
12. RELOCATE PER SIGNING AND PAVEMENT DELINEATION PLANS.
13. REMOVE AND SALVAGE MAIL BOX, REMOVE AND DISPOSE OF MAIL BOX POST AND FOUNDATION.
16. REMOVE AND DISPOSE TREE, SHRUB, OR STUMP. GRIND ROOTS MINIMUM 24" DEPTH FROM SURFACE.

LEGEND

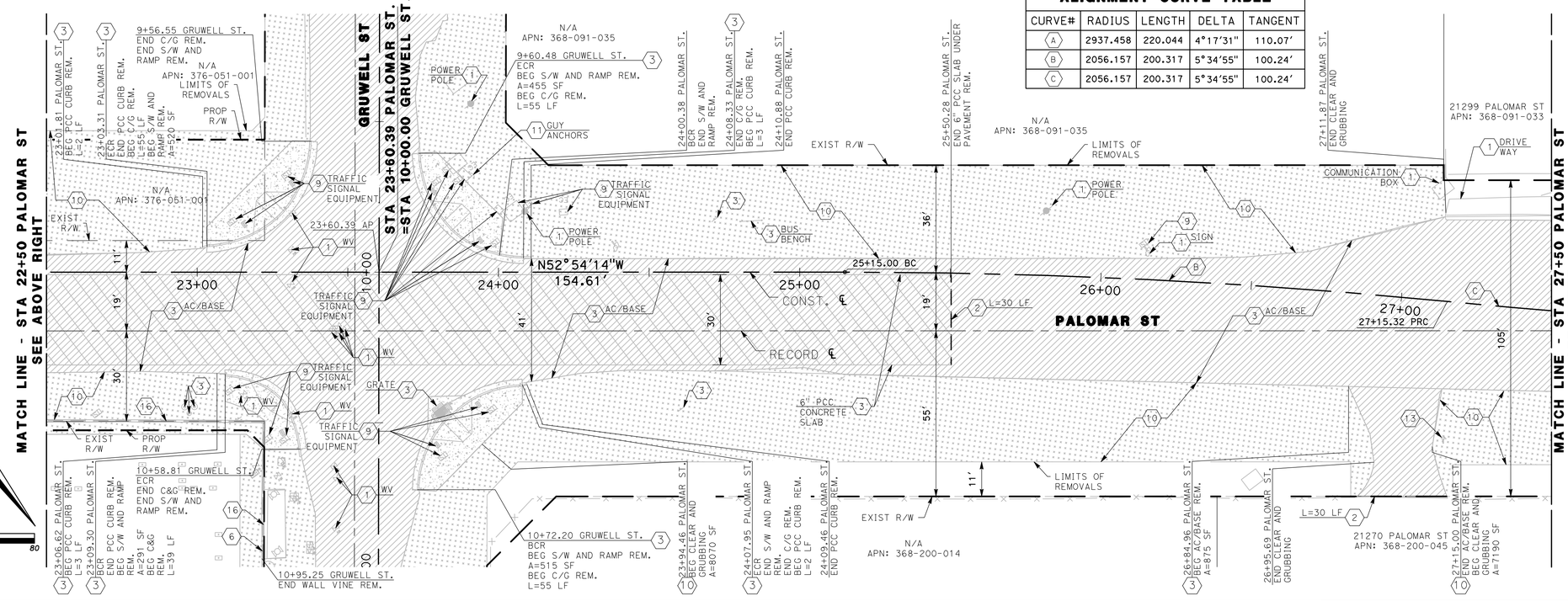
- (2) NEATLY SAWCUT FULL DEPTH
- (3) REMOVE AND DISPOSE PCC CONCRETE
- (3) REMOVE AND DISPOSE AC/BASE MATERIALS
- (3) REMOVE AND DISPOSE 6" PCC SLAB UNDER PAVEMENT
- (4) COLD MILL AC PAVEMENT (MINIMUM 2" DEPTH)
- (10) CLEAR, GRUB AND GRADE PER PLAN

0 10 20 40 80
GRAPHIC SCALE
1" = 20'

ISSUED FOR BID

ALIGNMENT CURVE TABLE

CURVE#	RADIUS	LENGTH	DELTA	TANGENT
A	2937.458	220.044	4°17'31"	110.07'
B	2056.157	200.317	5°34'55"	100.24'
C	2056.157	200.317	5°34'55"	100.24'



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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

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KIMBERLY BARLING
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(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.

THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE:
H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

DEMOLITION PLAN

SHEET No.
DE-3
SHT-8
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_DE-3.DWG 5/10/2024 2:47:27 PM

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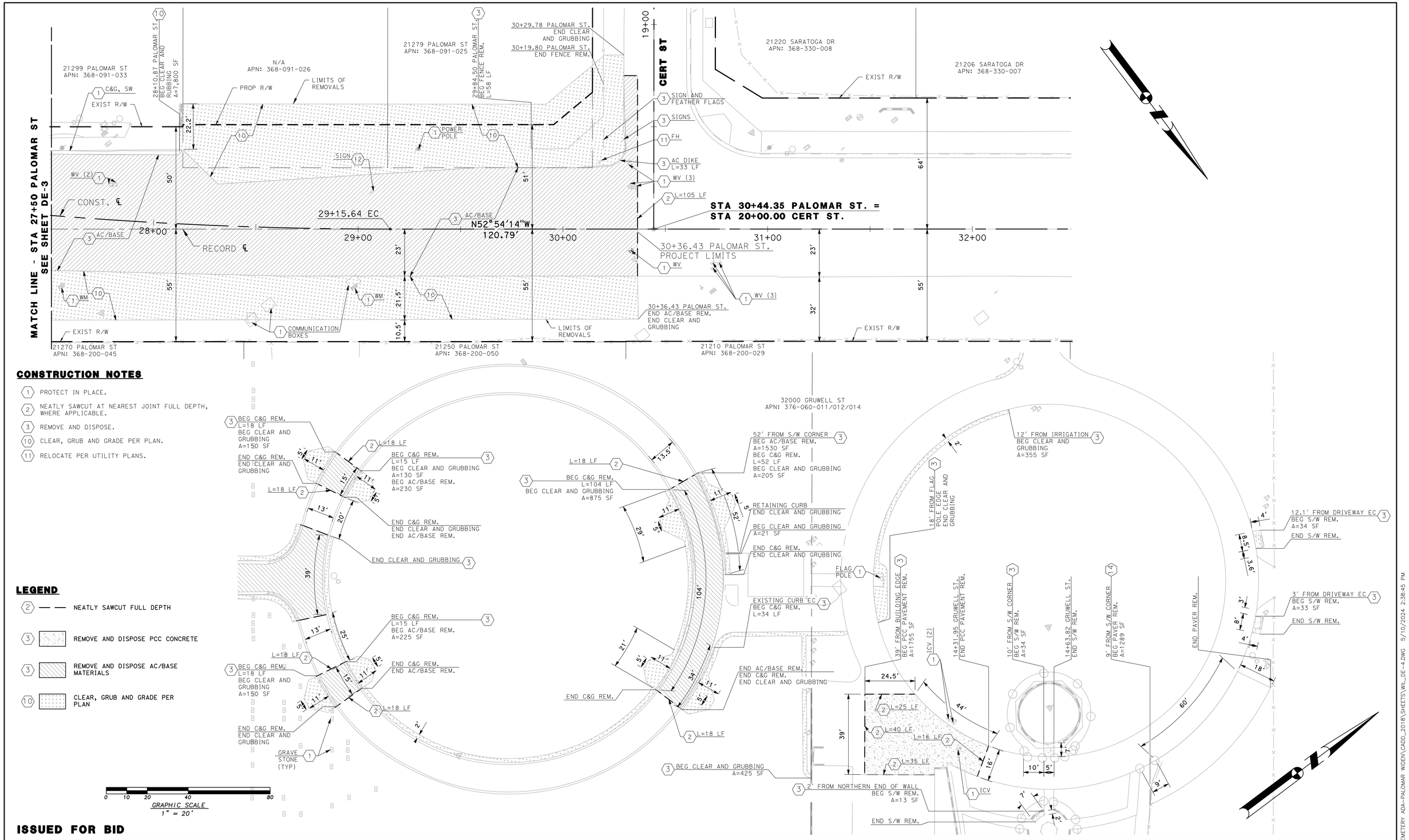

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
2. NEATLY SAWCUT AT NEAREST JOINT FULL DEPTH, WHERE APPLICABLE.
3. REMOVE AND DISPOSE.
10. CLEAR, GRUB AND GRADE PER PLAN.
11. RELOCATE PER UTILITY PLANS.

LEGEND

- 2 — NEATLY SAWCUT FULL DEPTH
- 3 — REMOVE AND DISPOSE PCC CONCRETE
- 3 — REMOVE AND DISPOSE AC/BASE MATERIALS
- 10 — CLEAR, GRUB AND GRADE PER PLAN

ISSUED FOR BID

DIGALERT — CALL BEFORE YOU DIG — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

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SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

DEMOLITION PLAN

SHEET No. DE-4 SHT-9 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_DE-4.DWG 5/10/2024 2:38:45 PM

Plans Prepared On:5/10/24

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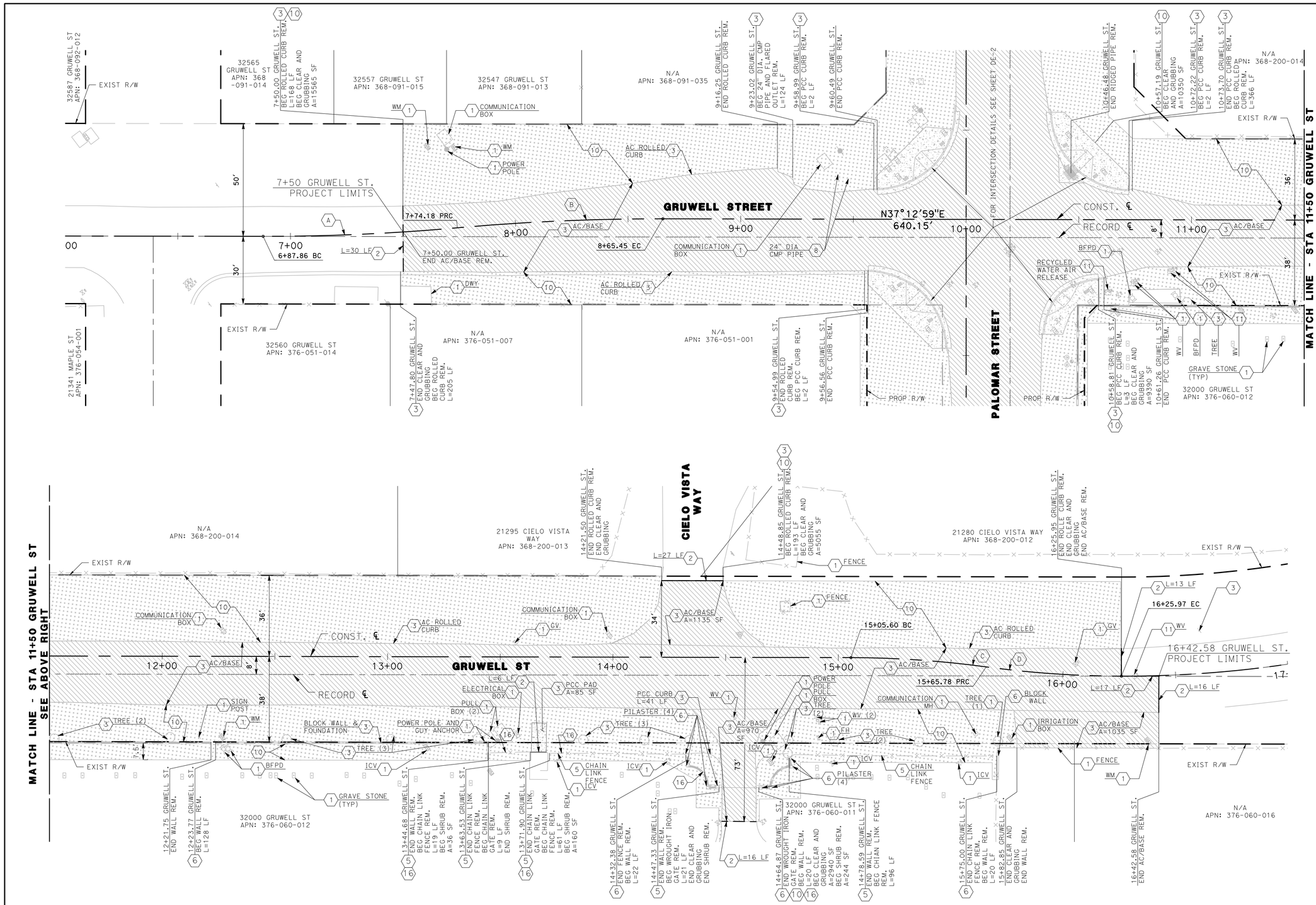

ALIGNMENT CURVE TABLE

CURVE#	RADIUS	LENGTH	DELTA	TANGENT
A	947.259	86.328	5°13'18"	43.19'
B	996.694	91.268	5°14'48"	45.67'
C	452.000	60.178	7°37'41"	30.13'
D	452.000	60.194	7°37'49"	30.14'

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
2. NEATLY SAWCUT AT NEAREST JOINT FULL DEPTH, WHERE APPLICABLE.
3. REMOVE AND DISPOSE.
5. REMOVE AND DISPOSE FENCE, POST, POST FOUNDATION AND/OR GATES TO THE NEAREST POST.
6. REMOVE AND DISPOSE BLOCK WALL.
8. REMOVE 24" CMP.
10. CLEAR, GRUB AND GRADE PER PLAN.
11. RELOCATE PER UTILITY PLANS.
16. REMOVE AND DISPOSE TREE, SHRUB, OR STUMP. GRIND ROOTS MINIMUM 24" DEPTH FROM SURFACE.

LEGEND

- NEATLY SAWCUT FULL DEPTH
- REMOVE AND DISPOSE PCC CONCRETE
- REMOVE AND DISPOSE AC/BASE MATERIALS
- CLEAR, GRUB AND GRADE PER PLAN

GRAPHIC SCALE
1" = 20'

ISSUED FOR BID

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CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
DEMOLITION PLAN

SHEET No. DE-5 SHT-10
OF 80 SHTS

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Plans Prepared On:4/24/24

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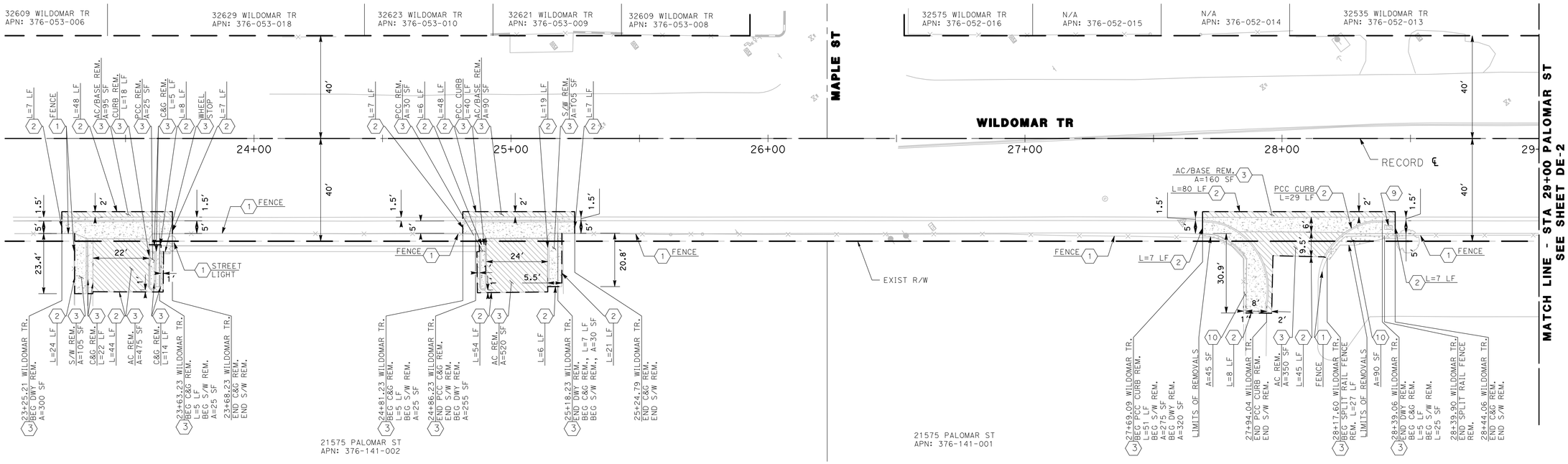

DEMOLITION NOTES

1. PROTECT IN PLACE.
2. NEATLY SAWCUT AT NEAREST JOINT FULL DEPTH, WHERE APPLICABLE.
3. REMOVE AND DISPOSE.
9. REMOVE PER TRAFFIC SIGNAL PLANS.
10. CLEAR, GRUB AND GRADE PER PLAN.

LEGEND

- (2) — — NEATLY SAWCUT FULL DEPTH
- (3) REMOVE AND DISPOSE PCC CONCRETE
- (3) REMOVE AND DISPOSE AC/BASE MATERIALS
- (10) CLEAR, GRUB AND GRADE PER PLAN

0 10 20 40 80
GRAPHIC SCALE
1" = 20'

ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

DEMOLITION PLAN

SHEET No. DE-6 SHT-11
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_DE-6.DWG 4/24/2024 10:50:02 AM

Plans Prepared On:4/24/24

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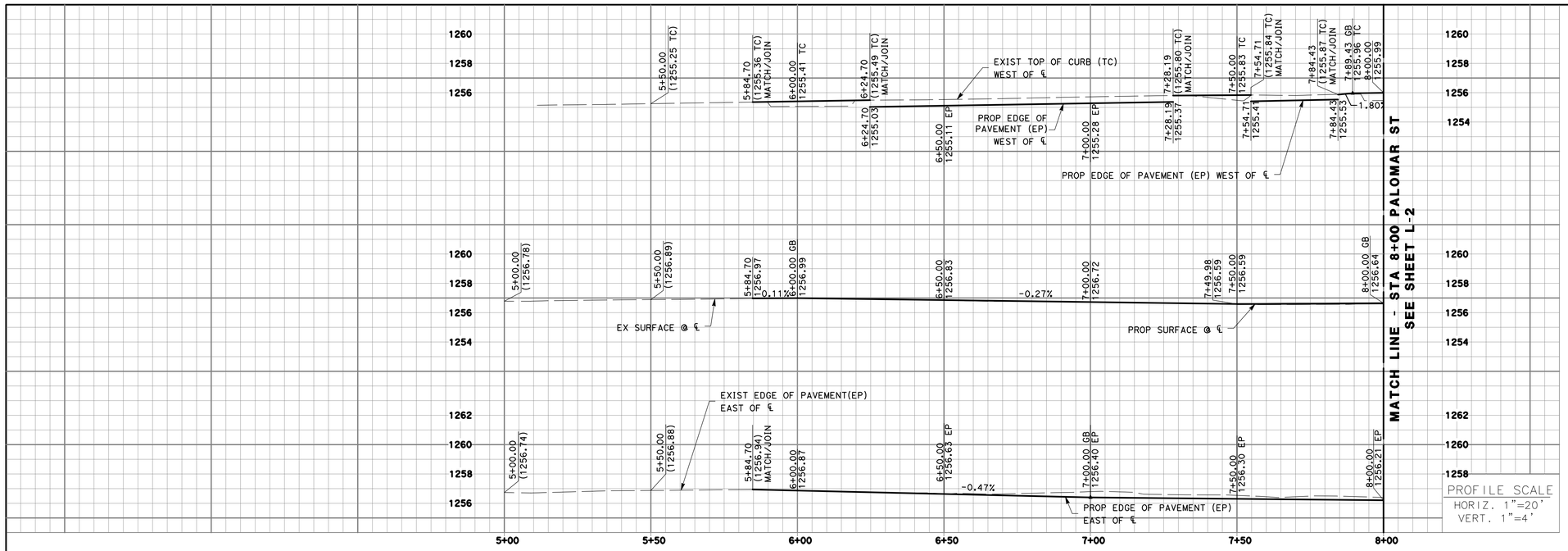


CONSTRUCTION NOTES

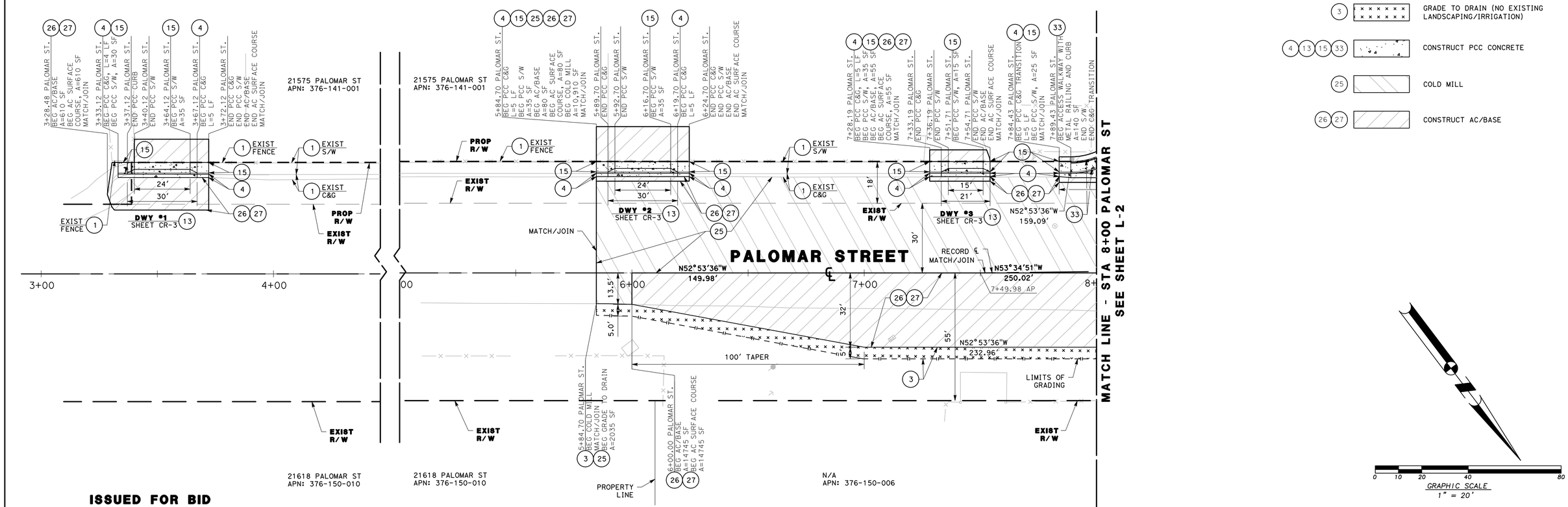
1. PROTECT IN PLACE.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
13. CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
25. COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
33. INSTALL ADA ACCESS WALKWAY WITH METAL RAILING AND CURB PER DETAIL 9 ON SHEET 5, C-2.

NOTE TO CONTRACTOR

1. SEE SHEETS CR-1 TO CR-7 FOR ADDITIONAL CURB RAMP AND DRIVEWAY INFORMATION.
2. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
5. EXISTING CURB AND GUTTER ON WEST SIDE OF PALOMAR HAS 18" GUTTER PAN, MODIFY CURB AND GUTTER TO MATCH EXISTING GUTTER PAN WIDTH.

LEGEND

- (3) GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- (4 13 15 33) CONSTRUCT PCC CONCRETE
- (25) COLD MILL
- (26 27) CONSTRUCT AC/BASE



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CITY OF WILDOMAR
ACCEPTED BY: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
Date:
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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

LAYOUT - PLAN & PROFILE

SHEET No. L-1 SHT-12 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_L-1.DWG 4/29/2024 11:01:55 AM

Plans Prepared On:4/25/24

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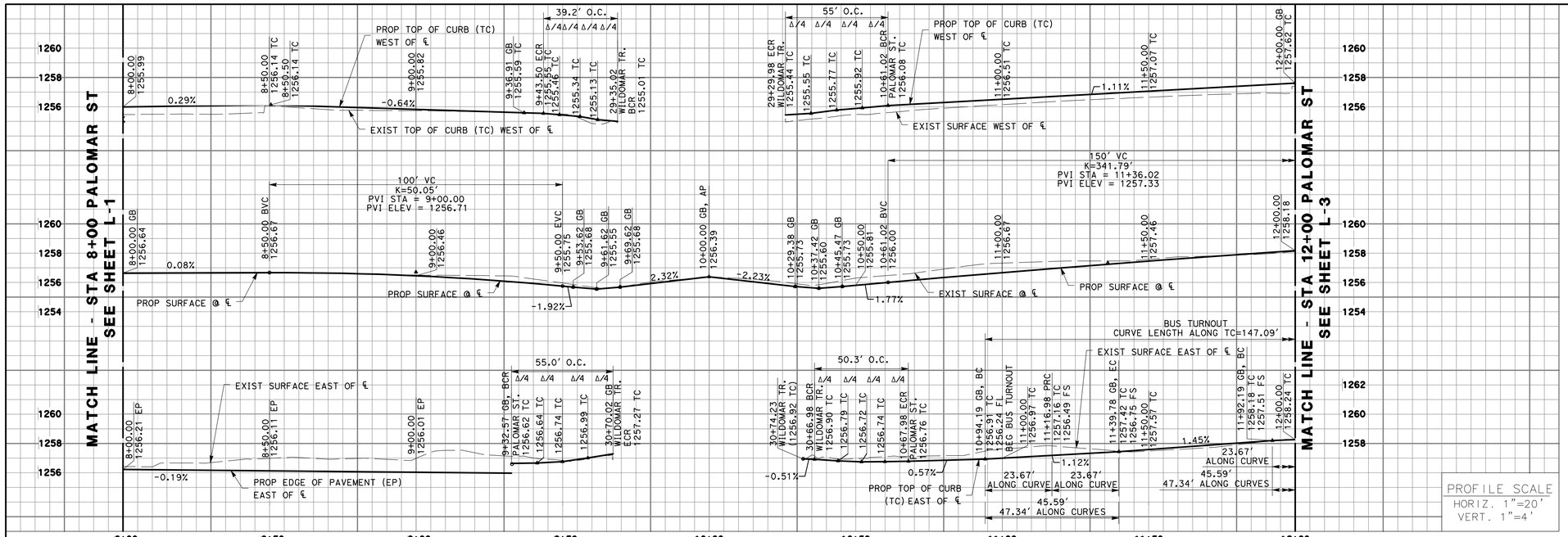

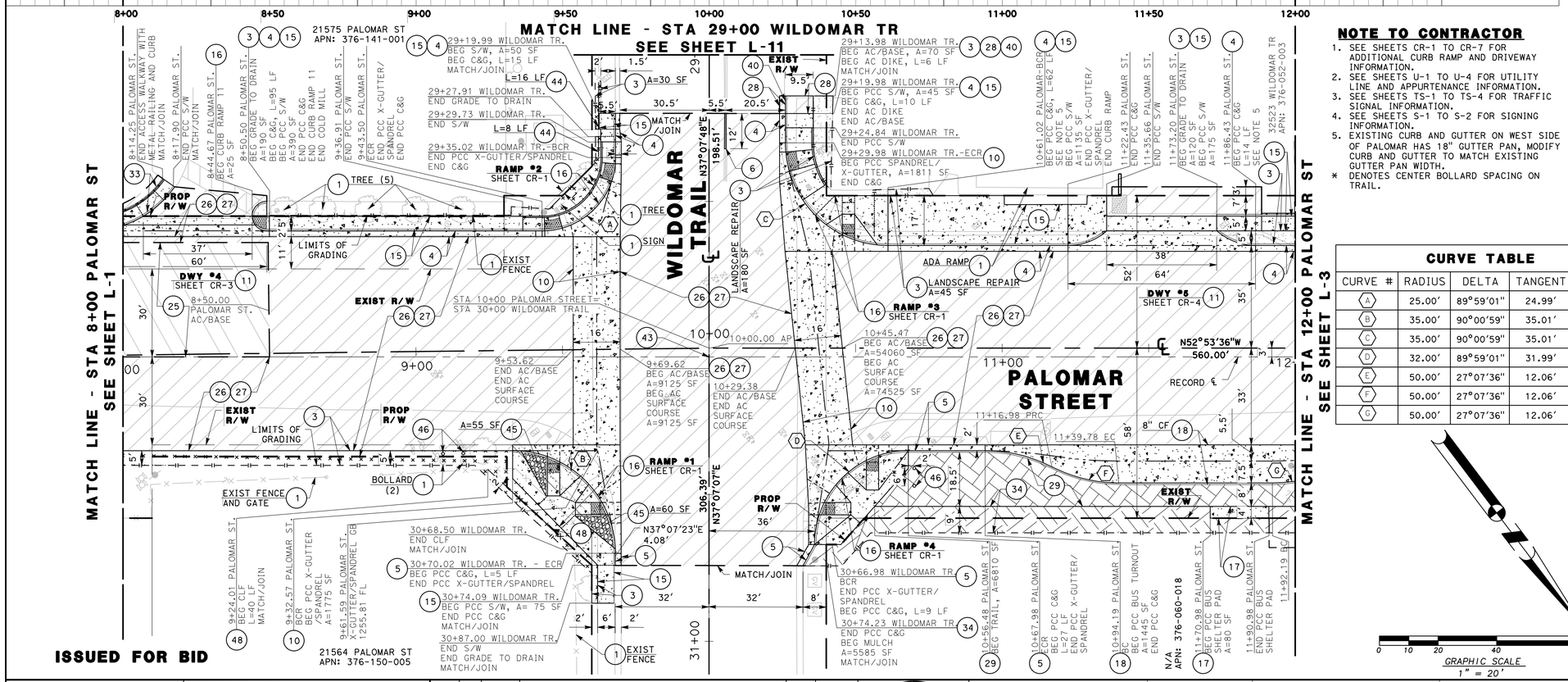

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
5. CONSTRUCT TYPE A-8 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 201.
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
10. CONSTRUCT 8" THICK PCC SPANDREL AND CROSS GUTTER OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 209 (CROSS GUTTER WIDTH MODIFIED PER PLAN).
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
17. CONSTRUCT 6" PCC BUS SHELTER PAD OVER 12" COMPACTED SUBGRADE, CONTRACTOR TO COORDINATE WITH RTA FOR BUS SHELTER INSTALLATION DURING CONSTRUCTION.
18. CONSTRUCT 8" PCC BUS TURNOUT OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER MODIFIED RIVERSIDE COUNTY STD NO. 814.
25. COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
29. CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
33. INSTALL ADA ACCESS WALKWAY WITH METAL RAILING AND CURB PER DETAIL 9 ON SHEET 5, C-2.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
40. CONSTRUCT 6" AC DIKE PER RIVERSIDE COUNTY STD NO. 212.
43. INSTALL CENTER STOP FOR GATE DROP ROD.
44. INSTALL SPLIT RAIL VINYL FENCE TO MATCH EXISTING, EMBED LINE POSTS IN A MINIMUM OF 12" DIAMETER PCC CONCRETE FOOTING (3,000 PSI 28 DAY COMPRESSIVE STRENGTH), 24" MINIMUM DEPTH AND AT A SPACING OF 8' MAXIMUM.
45. INSTALL ROCK COBBLE IN MORTAR NON-WALKABLE SURFACE PER DETAIL A ON SHEET 36, CR-1.
46. INSTALL REMOVABLE BOLLARD PER DETAIL 3 ON SHEET 69, SD-3.
48. INSTALL CHAIN LINK FENCE WITH 3 STRAND BARBED WIRE PER SPPWC STD. 600-4.

NOTE TO CONTRACTOR

1. SEE SHEETS CR-1 TO CR-7 FOR ADDITIONAL CURB RAMP AND DRIVEWAY INFORMATION.
2. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
5. EXISTING CURB AND GUTTER ON WEST SIDE OF PALOMAR HAS 18" GUTTER PAN, MODIFY CURB AND GUTTER TO MATCH EXISTING GUTTER PAN WIDTH.

* DENOTES CENTER BOLLARD SPACING ON TRAIL.

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
A	25.00'	89°59'01"	24.99'	39.26'
B	35.00'	90°00'59"	35.01'	54.99'
C	35.00'	90°00'59"	35.01'	54.99'
D	32.00'	89°59'01"	31.99'	50.26'
E	50.00'	27°07'36"	12.06'	23.67'
F	50.00'	27°07'36"	12.06'	23.67'
G	50.00'	27°07'36"	12.06'	23.67'

LEGEND

- 3 — GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- GRADE TO DRAIN (MATCH EXISTING LANDSCAPING/IRRIGATION)
- 4, 5, 6, 10, 11, 15, 16, 17, 18, 33 — CONSTRUCT PCC CONCRETE
- 25 — COLD MILL
- 26, 27, 28 — CONSTRUCT AC/BASE
- 29 — CONSTRUCT DECORATIVE ASPHALT TRAIL
- 45 — COBBLE STONE
- 34 — MULCH

GRAPHIC SCALE
1" = 20'

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CITY OF WILDOMAR — Est. 1886 Inc. 2008 — Tradition • Opportunity • Future

CITY OF WILDOMAR
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CITY OF WILDOMAR
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LAYOUT - PLAN & PROFILE

SHEET No. L-2 SHT-13 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_L-2.DWG 6/18/2024 11:02:42 AM

Plans Prepared On:6/18/24

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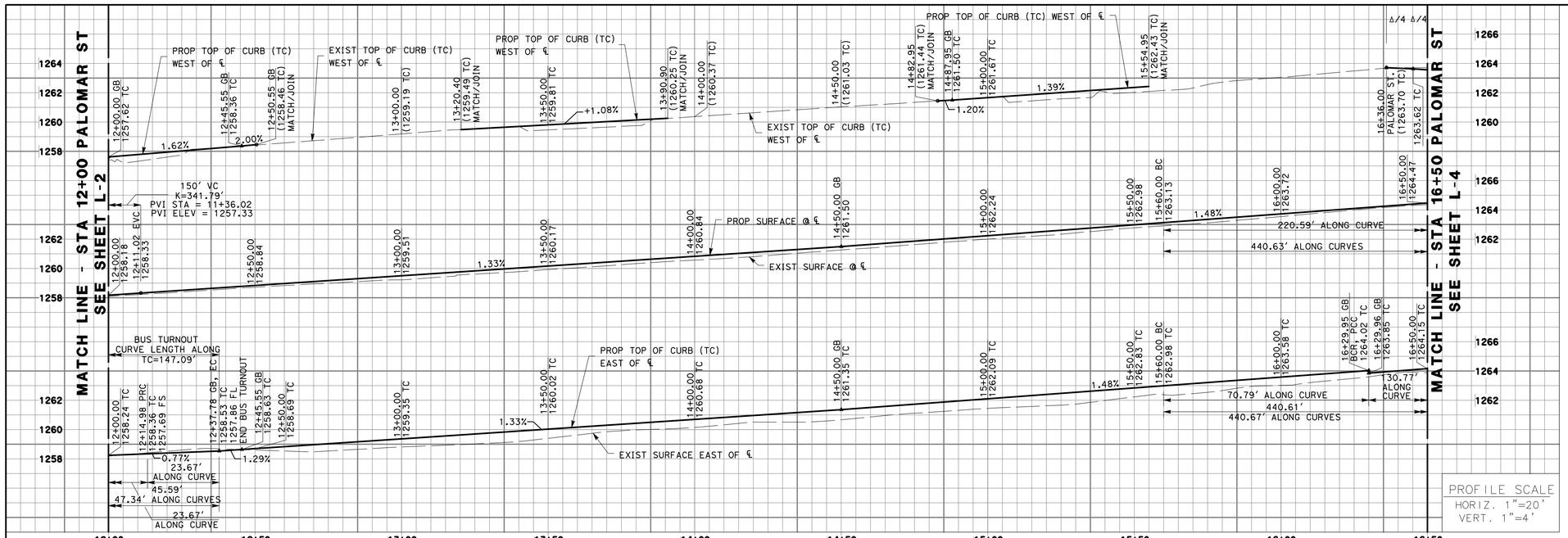

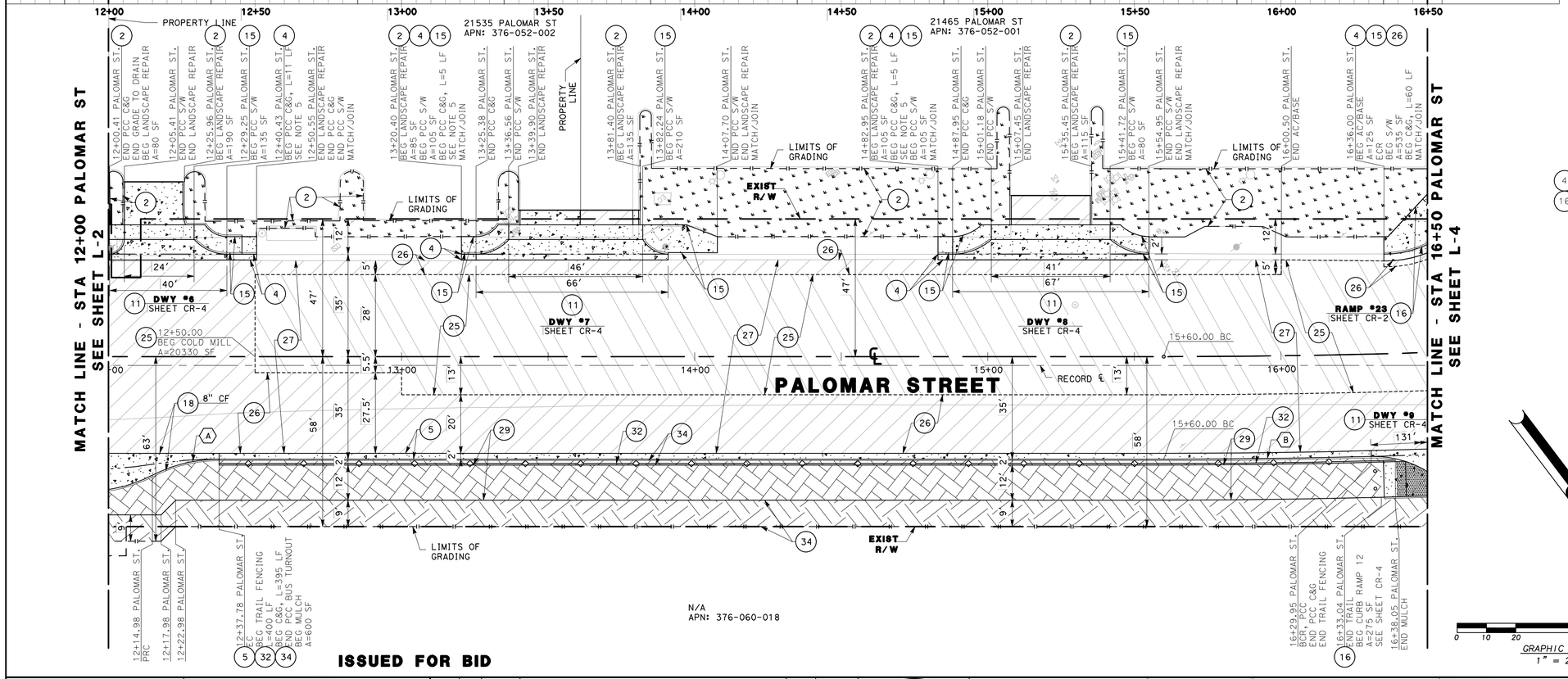

CONSTRUCTION NOTES

2. GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
5. CONSTRUCT TYPE A-8 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 201.
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
18. CONSTRUCT 8" PCC BUS TURNOUT OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER MODIFIED RIVERSIDE COUNTY STD NO. 814.
25. COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
29. CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
32. CONSTRUCT MULTI-USE TRAIL FENCING PER DETAIL 14 ON SHEET 5, C-2.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
A	50.00'	27°07'36"	12.06'	23.67'
B	2770.09'	1°27'51"	35.40'	70.79'

LEGEND

- 2 — GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE
- 3 — GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- GRADE TO DRAIN (MATCH EXISTING LANDSCAPING/IRRIGATION)
- 4, 5, 11, 15, 16, 18 — CONSTRUCT PCC CONCRETE
- 25 — COLD MILL
- 26, 27 — CONSTRUCT AC/BASE
- 29 — CONSTRUCT DECORATIVE ASPHALT TRAIL
- 34 — MULCH

GRAPHIC SCALE 1" = 20'

NOTE TO CONTRACTOR

1. SEE SHEETS CR-1 TO CR-7 FOR ADDITIONAL CURB RAMP AND DRIVEWAY INFORMATION.
2. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
5. EXISTING CURB AND GUTTER ON WEST SIDE OF PALOMAR HAS 18" GUTTER PAN, MODIFY CURB AND GUTTER TO MATCH EXISTING GUTTER PAN WIDTH.

DIGALERT — CALL BEFORE YOU DIG. DIAL BEFORE YOU DIG / TWO WORKING DAYS BEFORE YOU DIG. TOLL FREE 1-800-422-4133. A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY: Jason Farag, PE 86560 Director of Public Works
Date: 7/8/2024
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

LAYOUT - PLAN & PROFILE

SHEET No. L-3 SHT-14 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_L-3.DWG 5/14/2024 5:44:45 PM

Plans Prepared On:4/29/24

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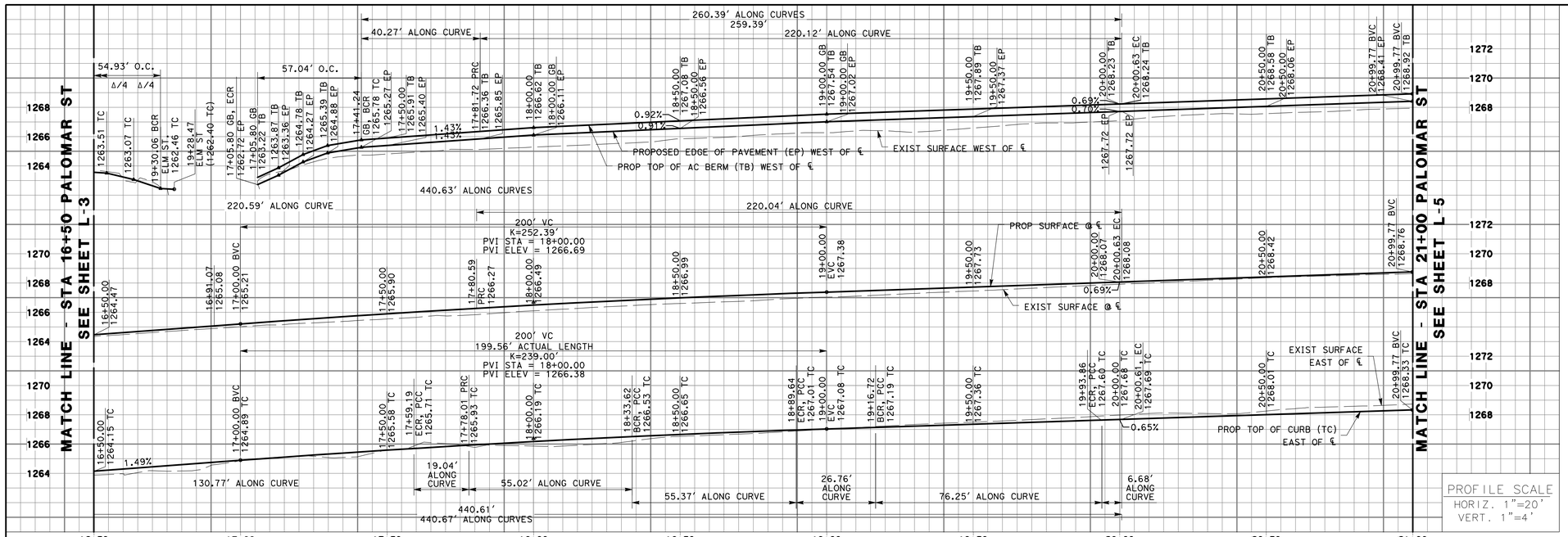

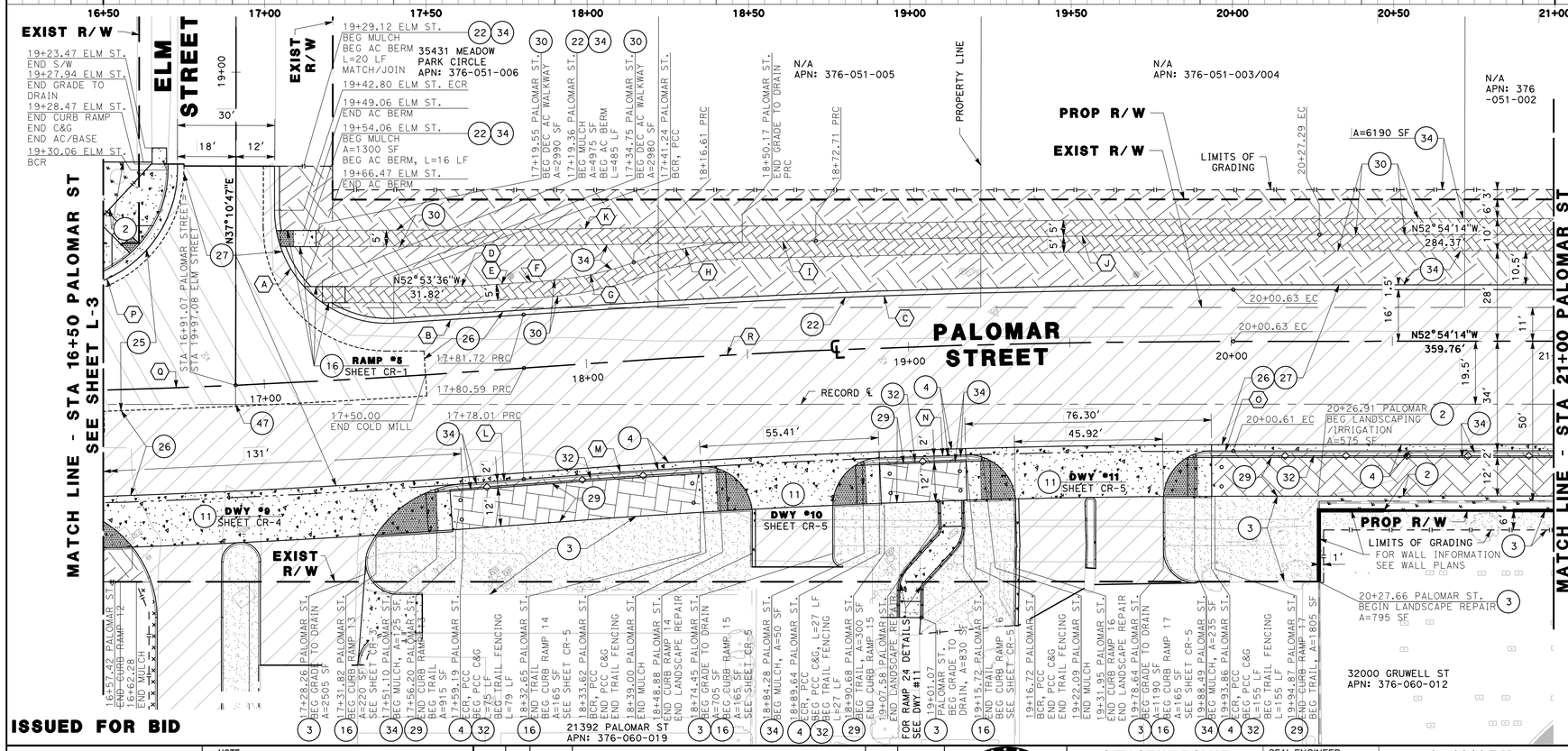

CONSTRUCTION NOTES

2. GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
22. CONSTRUCT AC BERM PER DETAIL 4 ON SHEET 4, C-1.
25. COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
29. CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
30. CONSTRUCT 4" THICK DECORATIVE ASPHALT SIDEWALK PER DETAIL 8 ON SHEET 5, C-2.
32. CONSTRUCT MULTI-USE TRAIL FENCING PER DETAIL 14 ON SHEET 5, C-2.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
47. PROTECT SURVEY MONUMENT IN PLACE AND INSTALL MONUMENT WELL ADJUSTED TO SURFACE GRADES PER RIVERSIDE COUNTY STD. NO. 901.

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
A	35.00'	93°22'42"	37.13'	57.04'
B	3129.54'	0°44'14"	20.13'	40.27'
C	3129.54'	4°01'48"	110.10'	220.12'
D	100.00'	3°45'36"	3.28'	6.56'
E	3119.54'	0°16'50"	7.63'	15.27'
F	3139.54'	0°08'23"	3.83'	7.65'
G	100.00'	15°58'48"	14.04'	27.89'
H	105.00'	18°44'42"	17.33'	34.35'
I	6795.72'	0°11'32"	11.41'	22.81'
J	6785.72'	1°19'03"	78.02'	156.03'
K	6790.72'	1°17'52"	76.91'	153.81'
L	2770.09'	0°23'38"	9.52'	19.04'
M	2770.09'	1°08'17"	27.51'	55.02'
N	2770.09'	0°33'13"	13.38'	26.76'
O	2770.09'	0°08'17"	3.34'	6.68'
P	37.00'	90°37'00"	37.40'	58.52'

NOTE TO CONTRACTOR

1. SEE SHEETS CR-1 TO CR-7 FOR ADDITIONAL CURB RAMP AND DRIVEWAY INFORMATION.
2. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
6. PRIOR TO ANY WORK COMMENCING WITHIN CEMETERY LIMITS, CONTRACTOR MUST COMPLETE A GROUND PENETRATING RADAR SURVEY OF WORK AREA LIMITS TO POSITIVELY IDENTIFY LOCATIONS OF GRAVES AND UNDERGROUND STRUCTURES. THIS SURVEY SHALL BE PROVIDED TO THE CITY FOR APPROVAL BEFORE COMMENCING WITH WORK.

ALIGNMENT CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
Q	2937.46	4°18'10"	110.35	220.59
R	2937.46	4°17'31"	110.07	220.04

LEGEND

- 2 — GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE
- 3 — GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- 3 — GRADE TO DRAIN (MATCH EXISTING LANDSCAPING/IRRIGATION)
- 4, 11, 16 — CONSTRUCT PCC CONCRETE
- 25 — COLD MILL
- 26, 27 — CONSTRUCT AC/BASE
- 29 — CONSTRUCT DECORATIVE ASPHALT TRAIL
- 30 — CONSTRUCT DECORATIVE ASPHALT SIDEWALK
- 34 — MULCH

ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR.	DATE

ENGINEER — CITY

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
LAYOUT - PLAN & PROFILE

SHEET No. L-4 SHT-15 OF 80 SHTS

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Plans Prepared On:6/18/24

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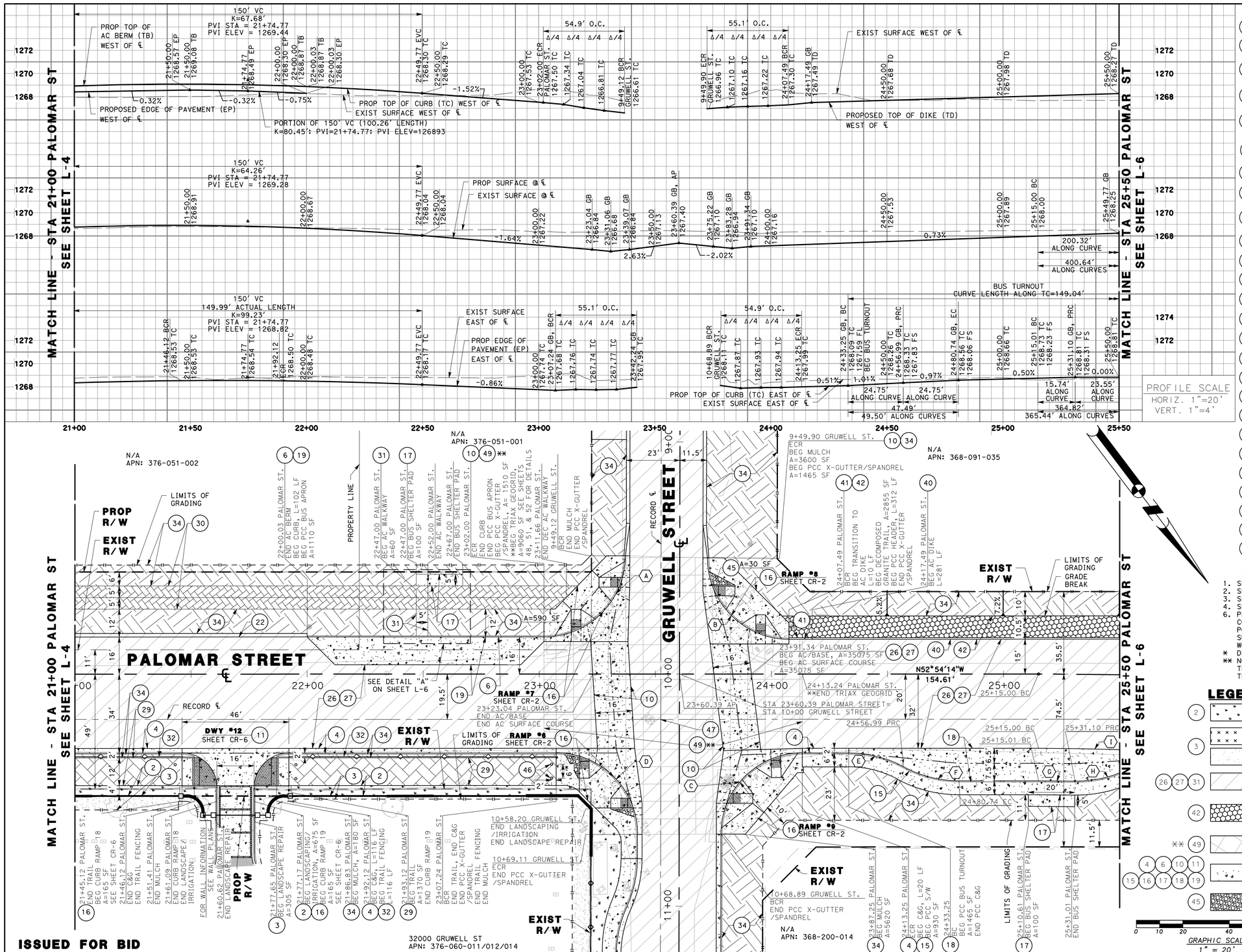

ISSUED FOR BID

CONSTRUCTION NOTES:

- (2) GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.
- (3) GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
- (4) CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
- (6) CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
- (10) CONSTRUCT 8" THICK PCC SPANDREL AND CROSS GUTTER OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 209 (CROSS GUTTER WIDTH MODIFIED PER PLAN).
- (11) CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
- (15) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
- (16) CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
- (17) CONSTRUCT 6" PCC BUS SHELTER PAD OVER 12" COMPACTED SUBGRADE, CONTRACTOR TO COORDINATE WITH RTA FOR BUS SHELTER INSTALLATION DURING CONSTRUCTION.
- (18) CONSTRUCT 8" PCC BUS TURNOUT OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER MODIFIED RIVERSIDE COUNTY STD NO. 814.
- (19) CONSTRUCT 8" PCC BUS APRON OVER 6" CAB OVER 12" COMPACTED SUBGRADE.
- (22) CONSTRUCT AC BERM PER DETAIL 4 ON SHEET 4, C-1.
- (26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
- (27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
- (29) CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
- (30) CONSTRUCT 4" THICK DECORATIVE ASPHALT SIDEWALK PER DETAIL 8 ON SHEET 5, C-2.
- (31) CONSTRUCT 4" THICK ASPHALT SIDEWALK OVER 12" COMPACTED SUBGRADE.
- (32) CONSTRUCT MULTI-USE TRAIL FENCING PER DETAIL 14 ON SHEET 5, C-2.
- (34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
- (40) CONSTRUCT 6" AC DIKE PER RIVERSIDE COUNTY STD NO. 212.
- (41) CONSTRUCT 6" AC DIKE TO CURB AND GUTTER TRANSITION PER DETAIL 13 ON SHEET 4, C-1.
- (42) CONSTRUCT DECOMPOSED GRANITE TRAIL PER RIVERSIDE COUNTY STD H-009 WITH PCC HEADER PER RIVERSIDE COUNTY STD H-004.
- (45) INSTALL ROCK COBBLE IN MORTAR NON-WALKABLE SURFACE PER DETAIL A ON SHEET 36, CR-1.
- (46) INSTALL REMOVABLE BOLLARD PER DETAIL 3 ON SHEET 69, SD-3.
- (47) PROTECT SURVEY MONUMENT IN PLACE AND INSTALL MONUMENT WELL ADJUSTED TO SURFACE GRADES PER RIVERSIDE COUNTY STD. NO. 901.
- (49) INSTALL TENSAR TRIAX GEOGRID OR EQUIVALENT BETWEEN THE AC OR PCC AND CAB AS SHOWN ON SHEETS 48, 51 AND 52; XS-6, XS-9, AND XS-10.

NOTE TO CONTRACTOR

1. SEE SHEETS CR-1 TO CR-7 FOR ADDITIONAL CURB RAMP AND DRIVEWAY INFORMATION.
2. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
6. PRIOR TO ANY WORK COMMENCING WITHIN CEMETERY LIMITS, CONTRACTOR MUST COMPLETE A GROUND PENETRATING RADAR SURVEY OF WORK AREA LIMITS TO POSITIVELY IDENTIFY LOCATIONS OF GRAVES AND UNDERGROUND STRUCTURES. THIS SURVEY SHALL BE PROVIDED TO THE CITY FOR APPROVAL BEFORE COMMENCING WITH WORK.

* DENOTES CENTER BOLLARD SPACING ON TRAIL.

** NO OVEREXCAVATION OR SCARIFICATION WITHIN THIS AREA, CONTRACTOR SHALL NOTE THE EXISTENCE OF SHALLOW UTILITIES AND MANUALLY COMPACT THE TOP SURFACE OF THE SUBGRADE PRIOR TO PLACEMENT OF THE AGGREGATE BASE.

LEGEND

- (2) GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE
- (3) GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- GRADE TO DRAIN (MATCH EXISTING LANDSCAPING/IRRIGATION)
- (26) (27) (31) CONSTRUCT AC/BASE
- (42) DECOMPOSED GRANITE
- ** (49) INSTALL TENSAR TRIAX GEOGRID
- (4) (6) (10) (11) (15) (16) (17) (18) (19) CONSTRUCT PCC CONCRETE
- (45) COBBLE STONE
- (29) CONSTRUCT DECORATIVE ASPHALT TRAIL
- (30) CONSTRUCT DECORATIVE ASPHALT SIDEWALK
- (34) MULCH

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
A	35.00'	89°52'47"	34.93'	54.90'
B	35.00'	90°07'13"	35.07'	55.05'
C	35.00'	89°52'47"	34.93'	54.90'
D	35.00'	90°07'13"	35.07'	55.05'
E	50.00'	28°21'27"	12.63'	24.75'
F	50.00'	28°21'27"	12.63'	24.75'
G	965.80'	0°56'02"	7.87'	15.74'
H	50.00'	26°59'15"	12.00'	23.55'
I	979.80'	3°44'14"	31.97'	63.91'

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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

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PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
LAYOUT - PLAN & PROFILE

SHEET No. L-5 SHT-16 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_L-5.DWG 6/18/2024 5:02:15 PM

Plans Prepared On:6/18/24

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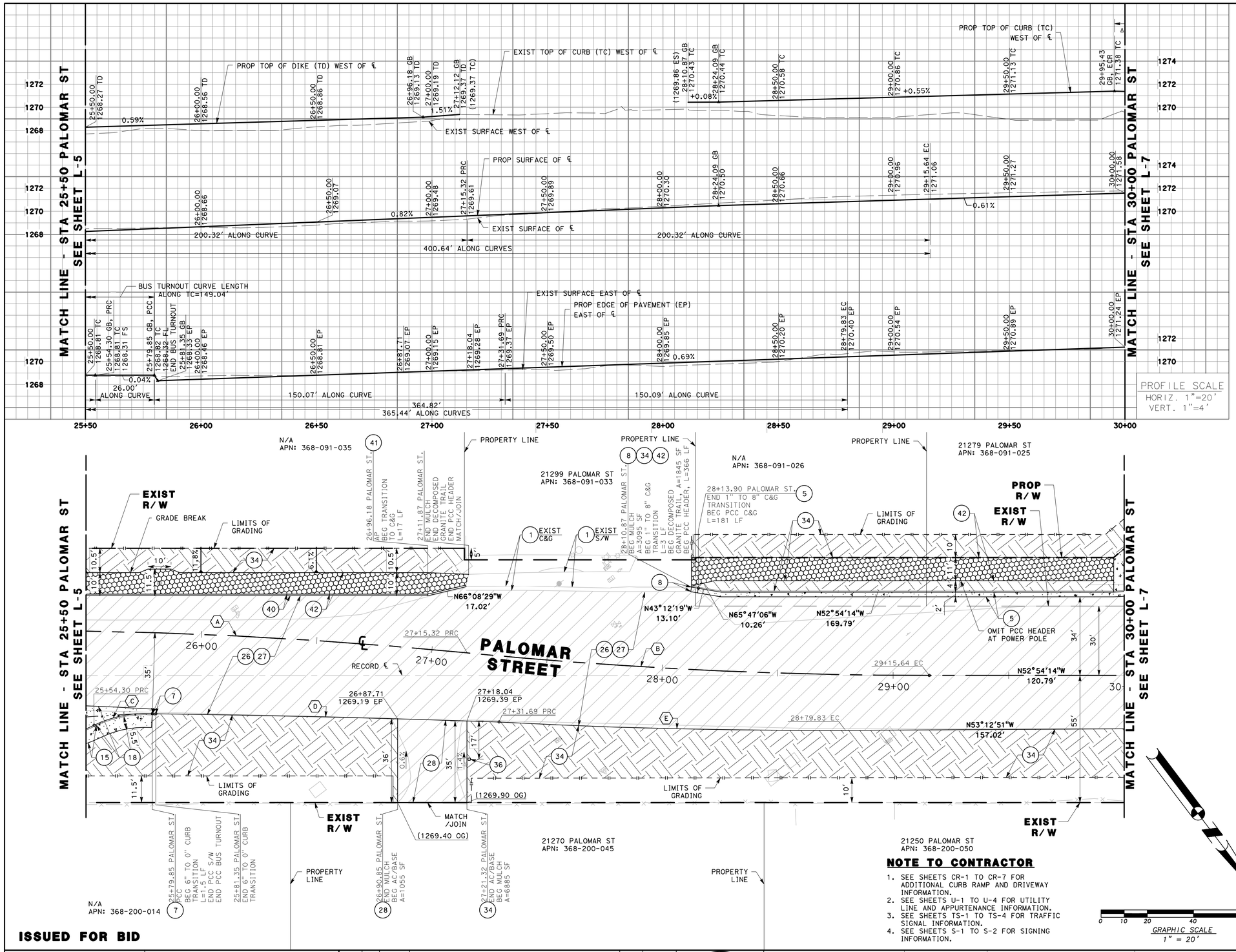
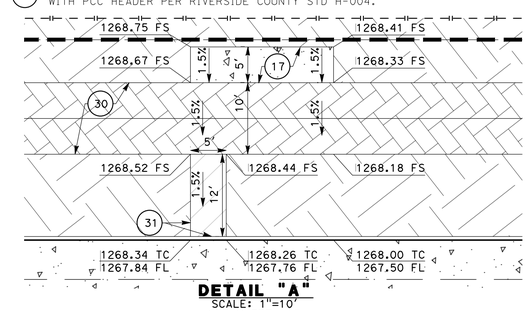


CONSTRUCTION NOTES

1. PROTECT IN PLACE.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
5. CONSTRUCT TYPE A-8 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 201.
7. CONSTRUCT 6" TO 0" PCC CURB TRANSITION PER DETAIL 1 ON SHEET 4, C-1.
8. CONSTRUCT 6" TO 1" PCC CURB AND GUTTER TRANSITION PER DETAIL 2 ON SHEET 4, C-1. (UNLESS OTHERWISE NOTED ON PLANS)
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
17. CONSTRUCT 6" PCC BUS SHELTER PAD OVER 12" COMPACTED SUBGRADE, CONTRACTOR TO COORDINATE WITH RTA FOR BUS SHELTER INSTALLATION DURING CONSTRUCTION.
18. CONSTRUCT 8" PCC BUS TURNOUT OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER MODIFIED RIVERSIDE COUNTY STD NO. 814.
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
30. CONSTRUCT 4" THICK DECORATIVE ASPHALT SIDEWALK PER DETAIL 8 ON SHEET 5, C-2.
31. CONSTRUCT 4" THICK ASPHALT SIDEWALK OVER 12" COMPACTED SUBGRADE.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
36. INSTALL SALVAGED MAIL BOX ON SINGLE POST PER DETAIL 10 ON SHEET 4, C-1.
40. CONSTRUCT 6" AC DIKE PER RIVERSIDE COUNTY STD NO. 212.
41. CONSTRUCT 6" AC DIKE TO CURB AND GUTTER TRANSITION PER DETAIL 13 ON SHEET 4, C-1.
42. CONSTRUCT DECOMPOSED GRANITE TRAIL PER RIVERSIDE COUNTY STD H-009 WITH PCC HEADER PER RIVERSIDE COUNTY STD H-004.



DETAIL "A"
SCALE: 1"=10'
SEE SHEET L-5

ALIGNMENT CURVE TABLE

CURVE#	RADIUS	LENGTH	DELTA	TANGENT
A	2056.157	200.317	5°34'55"	100.24
B	2056.157	200.317	5°34'55"	100.24

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
C	50.00	29°47'28"	13.30	26.00
D	6442.69	1°20'04"	75.04	150.07
E	2564.17	3°21'13"	75.06	150.09

LEGEND

- GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- 3 GRADE TO DRAIN (MATCH EXISTING LANDSCAPING/IRRIGATION)
- 5, 15, 17, 18 CONSTRUCT PCC CONCRETE
- 26, 27, 28, 31 CONSTRUCT AC/BASE
- 30 CONSTRUCT DECORATIVE ASPHALT SIDEWALK
- 42 DECOMPOSED GRANITE
- 34 MULCH

NOTE TO CONTRACTOR

1. SEE SHEETS CR-1 TO CR-7 FOR ADDITIONAL CURB RAMP AND DRIVEWAY INFORMATION.
2. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
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ISSUED FOR BID

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	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
LAYOUT - PLAN & PROFILE

SHEET No. L-6 SHT-17 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_L-6.DWG 6/18/2024 5:02:31 PM

Plans Prepared On:6/18/24

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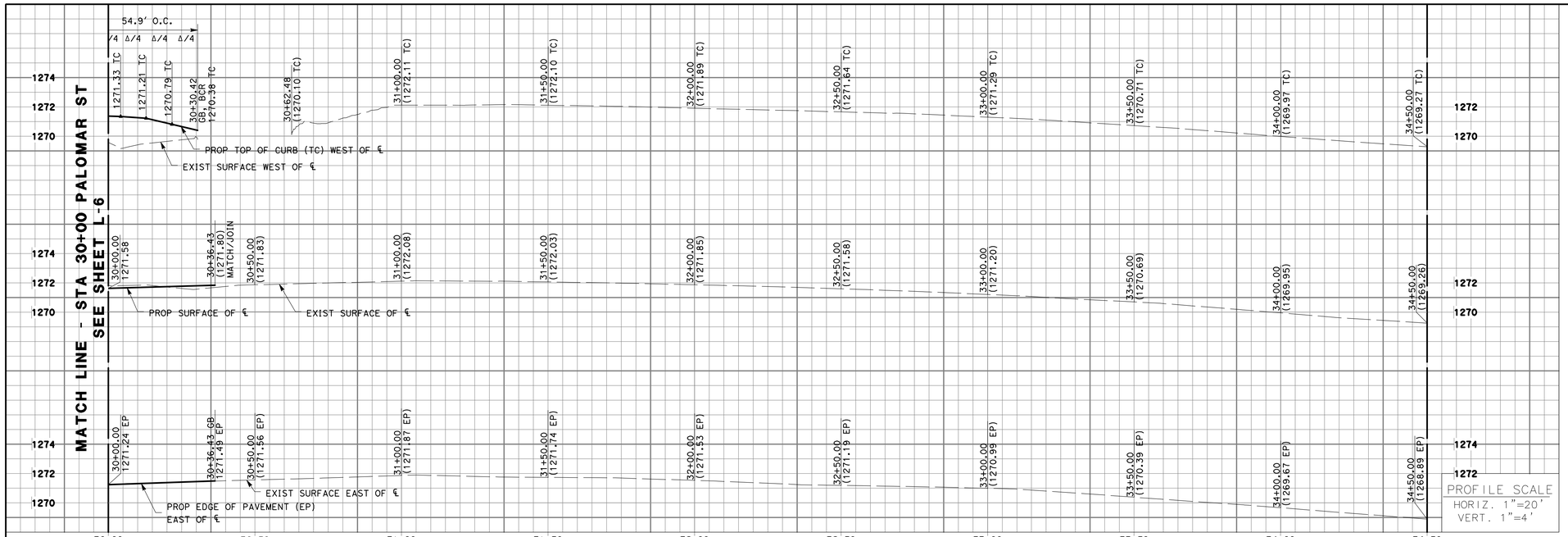

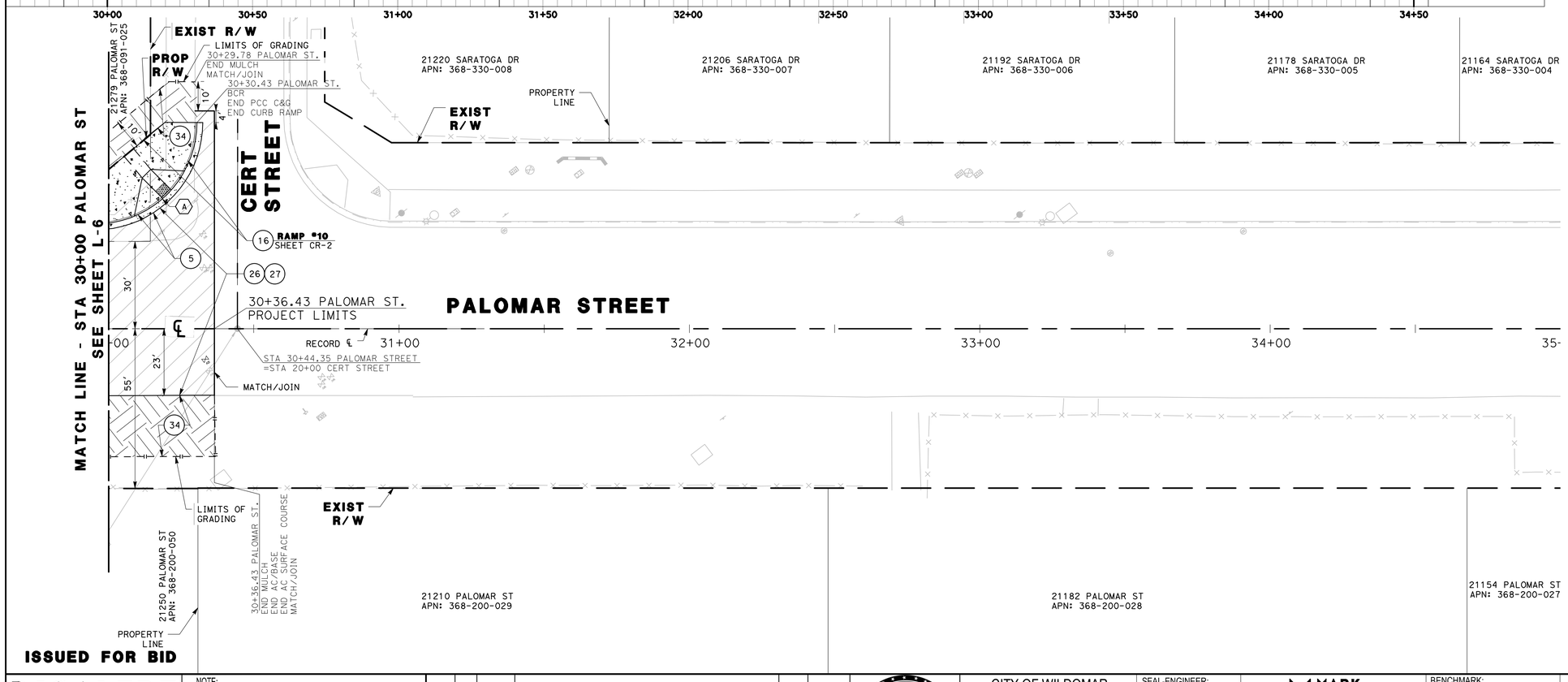

CONSTRUCTION NOTES

3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
5. CONSTRUCT TYPE A-8 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 201.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
A	35.00	89°56'19"	34.96	54.94

NOTE TO CONTRACTOR

1. SEE SHEETS CR-1 TO CR-7 FOR ADDITIONAL CURB RAMP AND DRIVEWAY INFORMATION.
2. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.

LEGEND

- 3 — GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- 5, 16 — CONSTRUCT PCC CONCRETE
- 26, 27 — CONSTRUCT AC/BASE
- 34 — MULCH

GRAPHIC SCALE 1" = 20'

ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG (TOLL FREE 1-800-422-4133) — TWO WORKING DAYS BEFORE YOU DIG — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY: 7/8/2024 Date:
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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

LAYOUT - PLAN & PROFILE

SHEET No. L-7 SHT-18 OF 80 SHTS

J:\WILDOMAR_21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_L-7.DWG 5/14/2024 5:25:19 PM

Plans Prepared On:5/7/24

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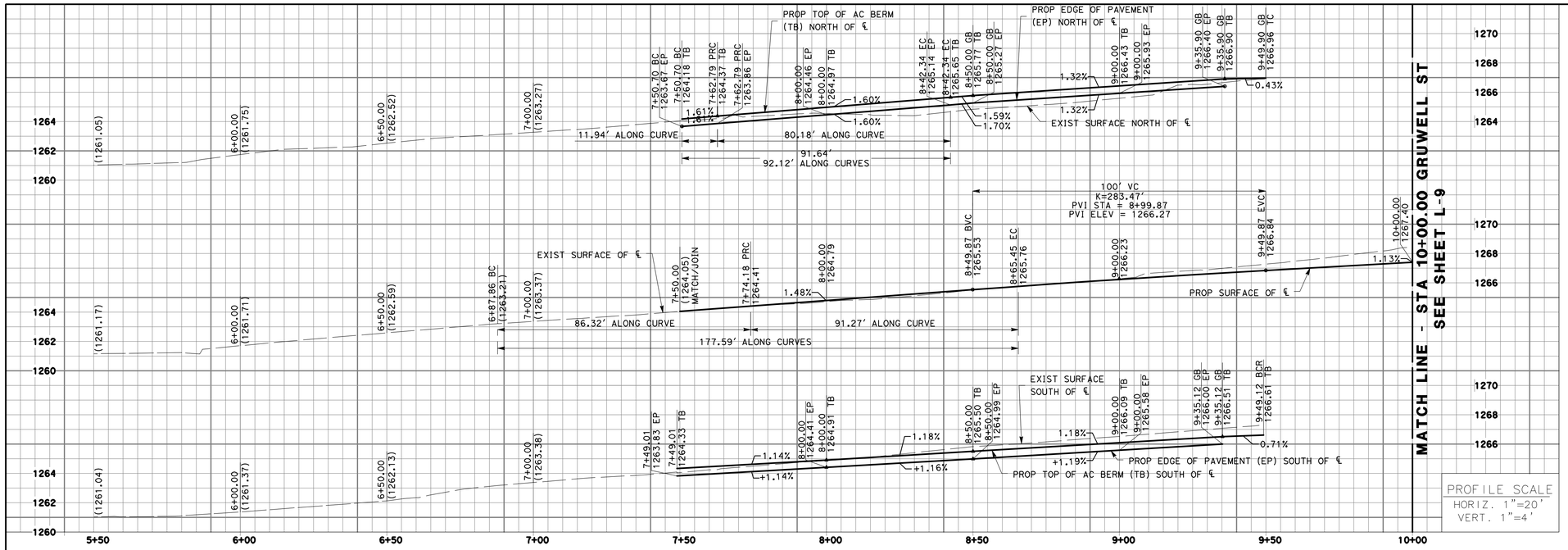


CONSTRUCTION NOTES:

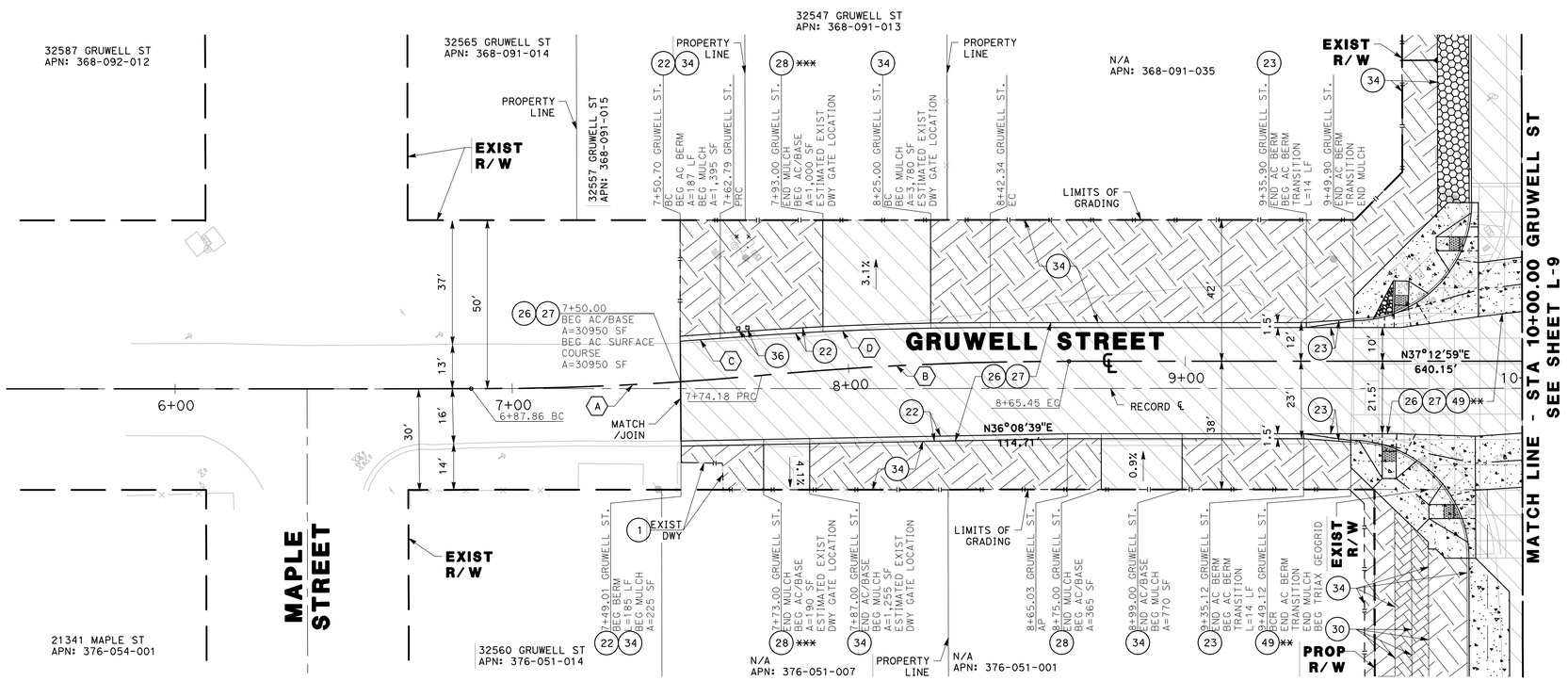
1. PROTECT IN PLACE.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
22. CONSTRUCT AC BERM PER DETAIL 4 ON SHEET 4, C-1.
23. CONSTRUCT 6" TO 0" AC BERM TRANSITION PER DETAIL 5 ON SHEET 4, C-1.
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
30. CONSTRUCT 4" THICK DECORATIVE ASPHALT SIDEWALK PER DETAIL 8 ON SHEET 5, C-2.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
36. INSTALL SALVAGED MAIL BOX ON SINGLE POST PER DETAIL 10 ON SHEET 4, C-1.
49. INSTALL TENSAR TRIAX GEOGRID OR EQUIVALENT BETWEEN THE AC OR PCC AND CAB AS SHOWN ON SHEETS 48, 51 AND 52; XS-6, XS-9, AND XS-10.

ALIGNMENT CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
A	947.26'	5°13'18"	43.19'	86.33'
B	996.69'	5°14'48"	45.67'	91.27'

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
C	935.26'	0.7313	5.97'	11.94'
D	1008.00'	4.5575	40.11'	80.18'



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3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.

** NO OVEREXCAVATION OR SCARIFICATION WITHIN THIS AREA, CONTRACTOR SHALL NOTE THE EXISTENCE OF SHALLOW UTILITIES AND MANUALLY COMPACT THE TOP SURFACE OF THE SUBGRADE PRIOR TO PLACEMENT OF THE AGGREGATE BASE.

*** CONTRACTOR TO VERIFY GATE LOCATION TO CONSTRUCT ASPHALT.

LEGEND

- (3) GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- (26) (27) (28) CONSTRUCT AC/BASE
- (30) CONSTRUCT DECORATIVE ASPHALT SIDEWALK
- ** (49) INSTALL TENSAR TRIAX GEOGRID
- (34) MULCH

GRAPHIC SCALE
1" = 20'

ISSUED FOR BID

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SHEET No. L–8 SHT-19
OF 80 SHTS

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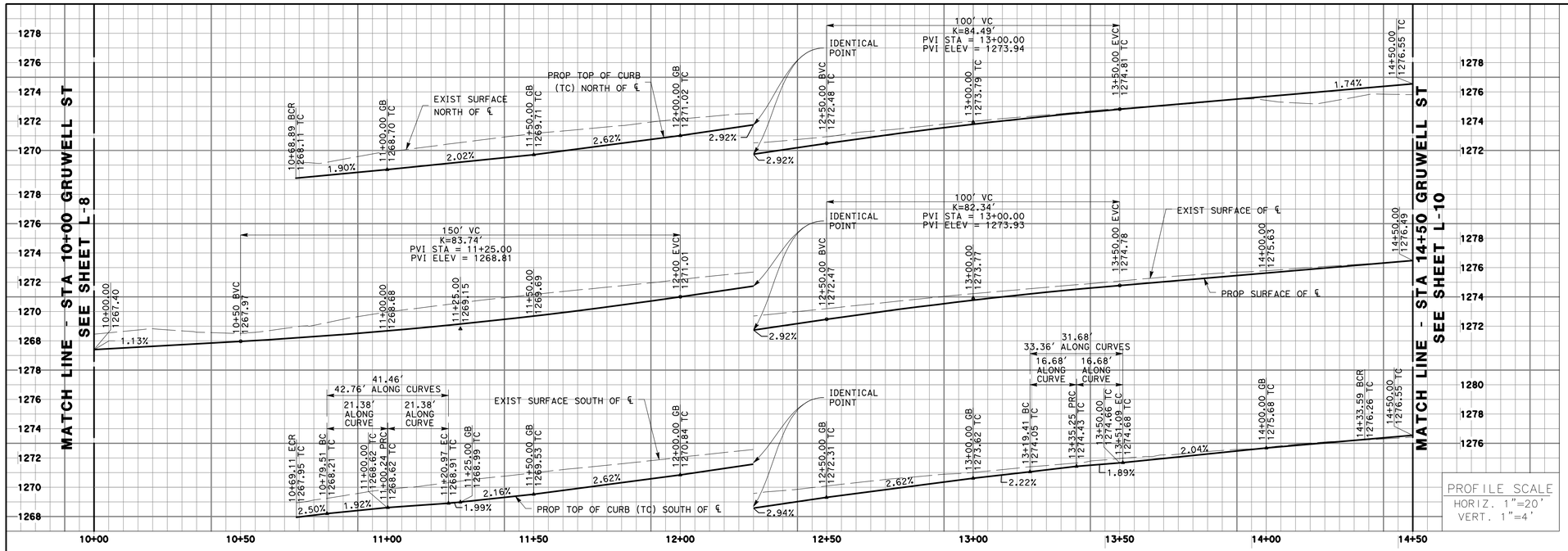

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
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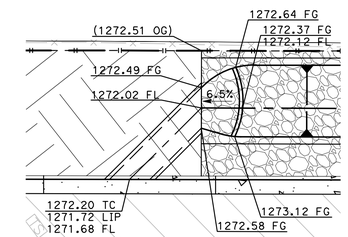
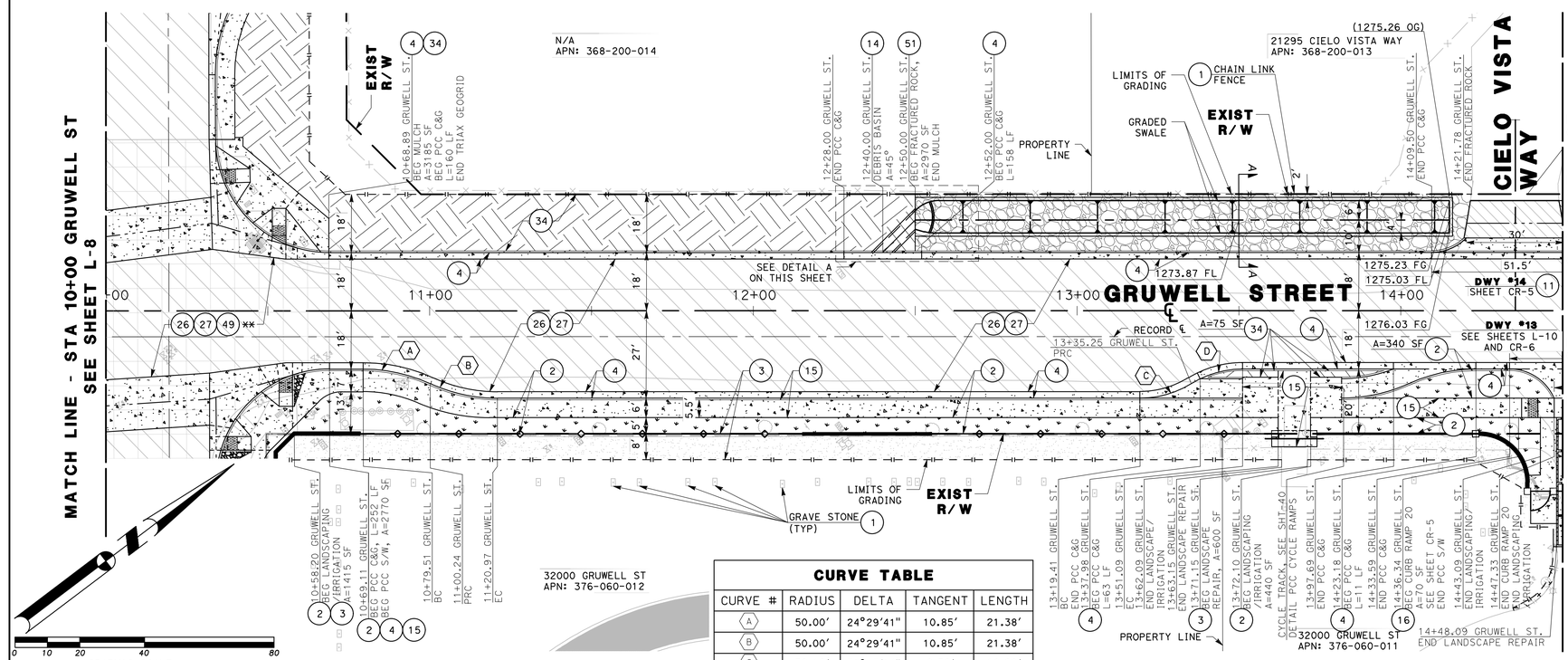
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
13. CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)
14. CONSTRUCT PCC PARKWAY DRAIN PER SPPWC STD. 151-3. (S=48"; INLET TYPE 2)
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
49. INSTALL TENSAR TRIAX GEOGRID OR EQUIVALENT BETWEEN THE AC OR PCC AND CAB AS SHOWN ON SHEETS 48, 51 AND 52; XS-6, XS-9, AND XS-10.
51. INSTALL 3/4-INCH FRACUTRED ROCK FOR A DEPTH OF 3-INCHES.



DETAIL "A"
1" = 10'
SEE THIS SHEET



GRAPHIC SCALE
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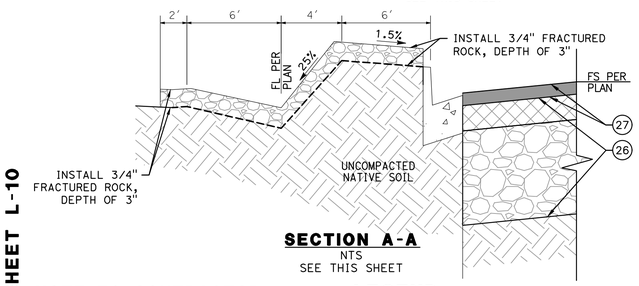
ISSUED FOR BID

CURVE TABLE				
CURVE #	RADIUS	DELTA	TANGENT	LENGTH
A	50.00'	24°29'41"	10.85'	21.38'
B	50.00'	24°29'41"	10.85'	21.38'
C	30.12'	31°43'14"	8.56'	16.68'
D	30.12'	31°43'14"	8.56'	16.68'



SECTION A-A
NTS
SEE THIS SHEET

NOTE TO CONTRACTOR

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3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
7. CONTRACTOR TO ENSURE TOP OF RIP RAP DOES NOT EXCEED THE FLOW LINE OF THE OUTLET OR INLET STRUCTURE.

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LEGEND

- (2) GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE
- (3) GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION)
- GRADE TO DRAIN (MATCH EXISTING LANDSCAPING/IRRIGATION)
- (4, 13, 15, 16) CONSTRUCT PCC CONCRETE
- (26, 27) CONSTRUCT AC/BASE
- ** (49) INSTALL TENSAR TRIAX GEOGRID
- (51) 3/4" FRACTURED ROCK
- (34) MULCH

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SHEET No. L-9 SHT-20
OF 80 SHTS

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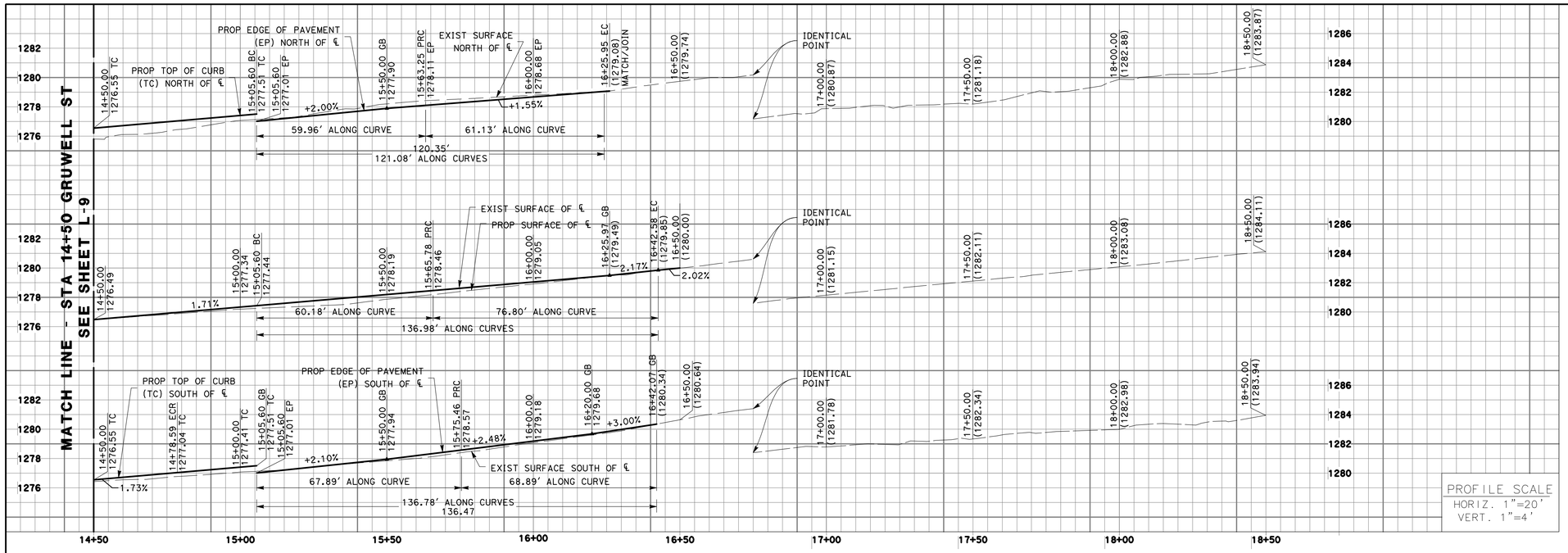

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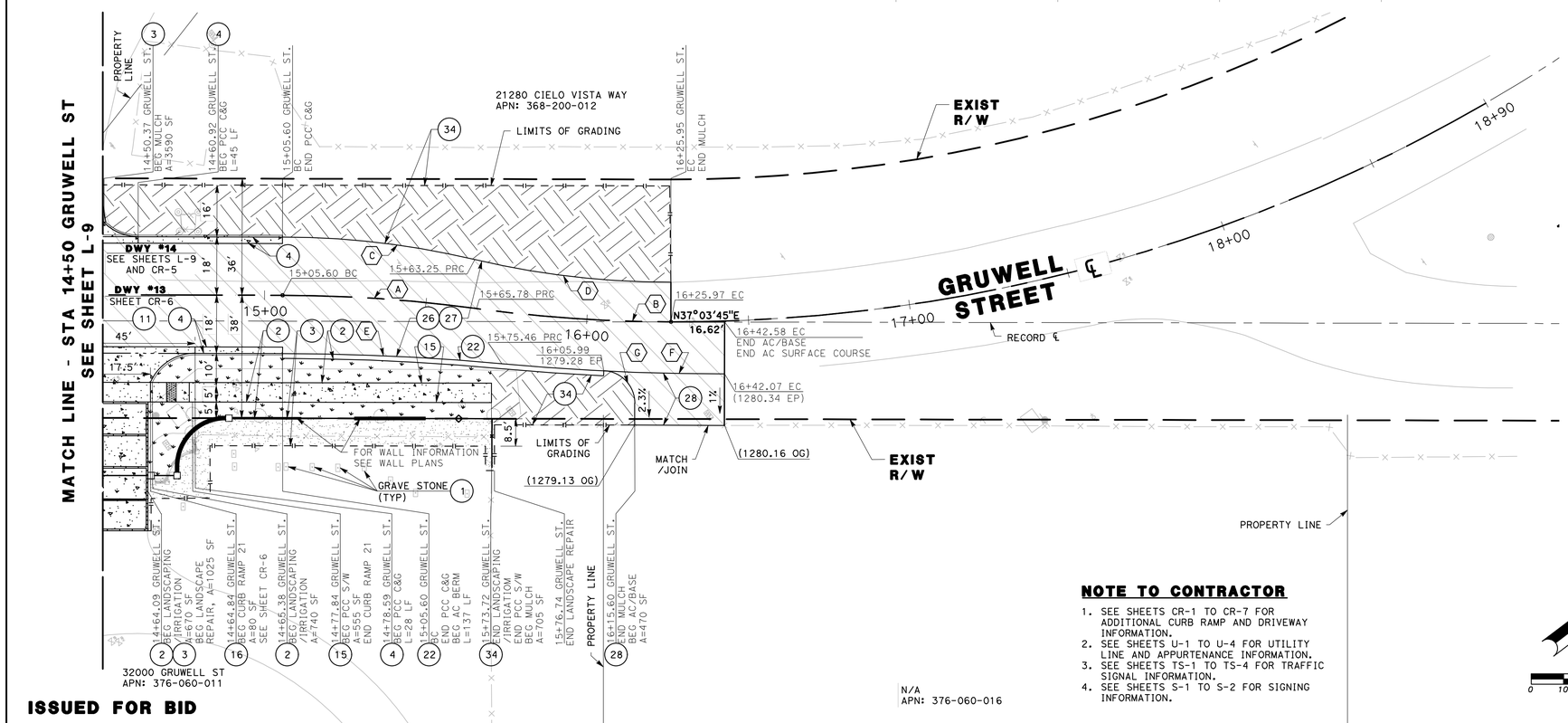
ALIGNMENT CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
A	452.00'	7°37'41"	30.13'	60.18'
B	452.00'	7°37'49"	30.14'	60.19'

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
C	260.64'	13°10'49"	30.11'	59.96'
D	260.64'	13°26'13"	30.70'	61.13'
E	768.16'	5°03'49"	33.97'	67.89'
F	768.16'	5°08'19"	34.47'	68.89'
G	10.00'	86°57'45"	9.48'	15.18'



LEGEND

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- (3) GRADE TO DRAIN (NO EXISTING LANDSCAPING/IRRIGATION); GRADE TO DRAIN (MATCH EXISTING LANDSCAPING/IRRIGATION)
- (4) (11) (15) (16) CONSTRUCT PCC CONCRETE
- (26) (27) (28) CONSTRUCT AC/BASE
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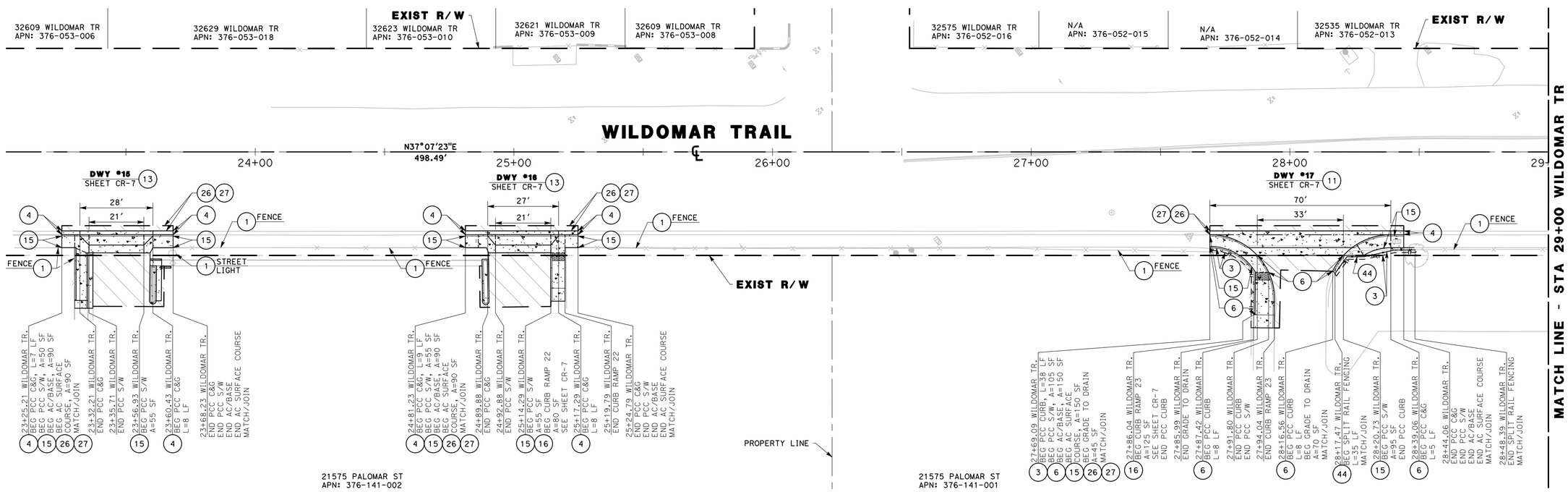
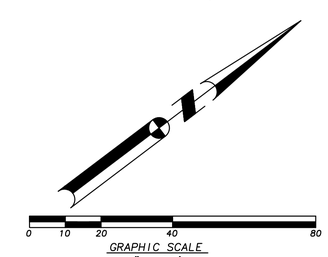
2. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
3. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
4. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
13. CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
44. INSTALL SPLIT RAIL VINYL FENCE TO MATCH EXISTING, EMBED LINE POSTS IN A MINIMUM OF 12" DIAMETER PCC CONCRETE FOOTING (3,000 PSI 28 DAY COMPRESSIVE STRENGTH), 24" MINIMUM DEPTH AND AT A SPACING OF 8' MAXIMUM.





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DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

LAYOUT - PLAN & PROFILE

SHEET No. L-11 SHT-22 OF 80 SHTS

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Plans Prepared On:4/24/24

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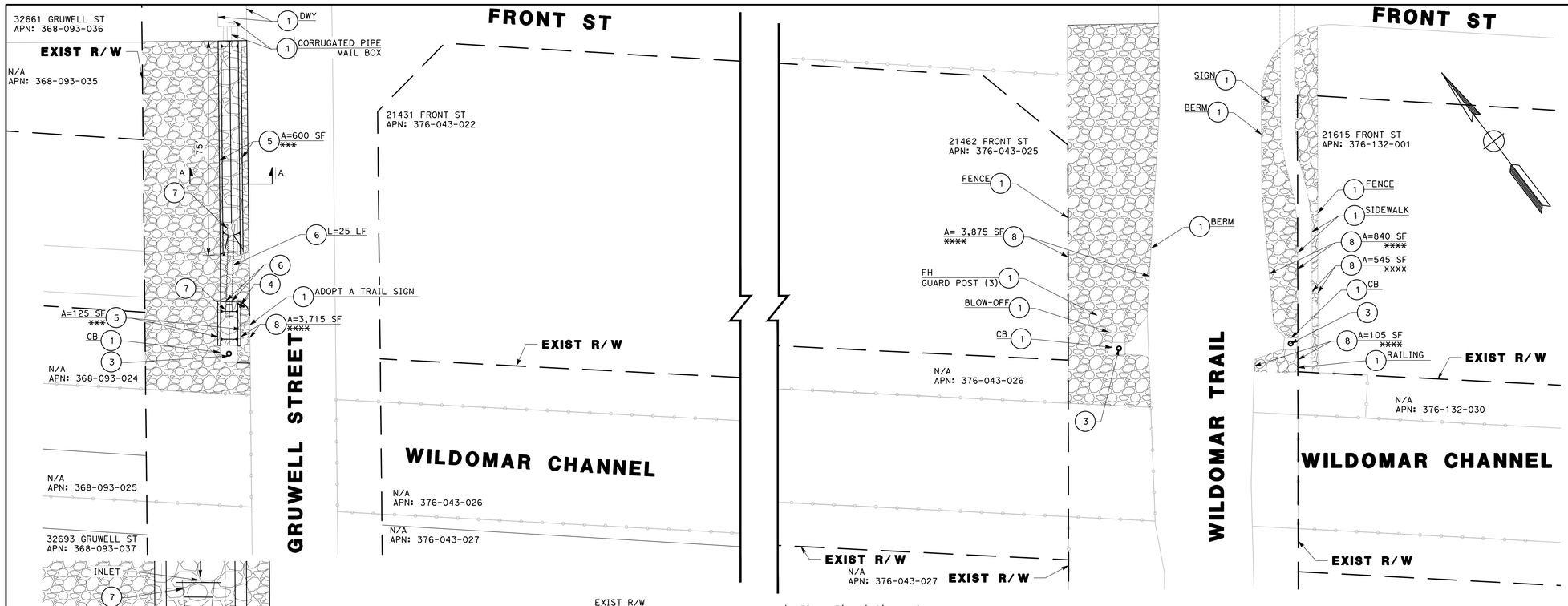
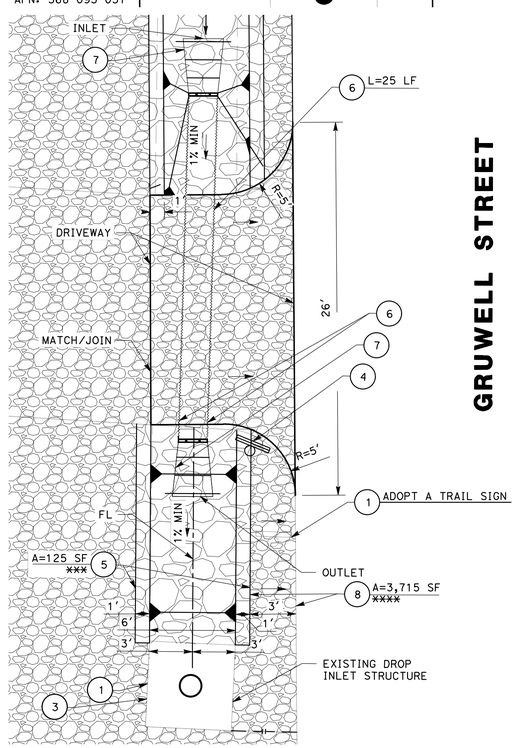
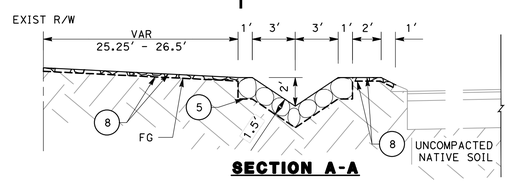




DETAIL A

SCALE: 1"=5'



SECTION A-A

V DITCH SECTION (TYP)

N.T.S.

LEGEND

2	GRADE TO DRAIN
5	CLASS V ROCK SLOPE PROTECTION
8	3/4" FRACTURED ROCK

CONSTRUCTION NOTES

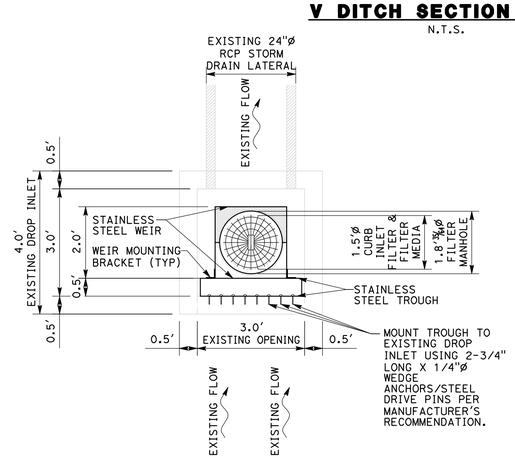
1. PROTECT IN PLACE.
2. GRADE TO DRAIN.
3. INSTALL STORM WATER MEMBRANE FILTRATION DEVICE WITHIN EXISTING DROP INLET STRUCTURE PER DETAIL ON THIS SHEET.
4. INSTALL TYPE L (CA) MARKER WITH OM2-1H.
5. INSTALL CLASS V ROCK SLOPE PROTECTION.
6. REMOVE EXISTING CORRUGATED STEEL PIPE, INSTALL 24" CORRUGATED HDPE PIPE WITH MINIMUM 12" COVER TO EXISTING GRADE, AND REGRADE EXISTING DRIVEWAY.
7. INSTALL CORRUGATED STEEL ENTRANCE TAPER TYPE 1 ALTERNATIVE B PER CALTRANS STD. PLAN D87A.
8. INSTALL 3/4-INCH FRACUTRED ROCK FOR A DEPTH OF 3-INCHES TO FINISHED GRADE.

NOTE TO CONTRACTOR

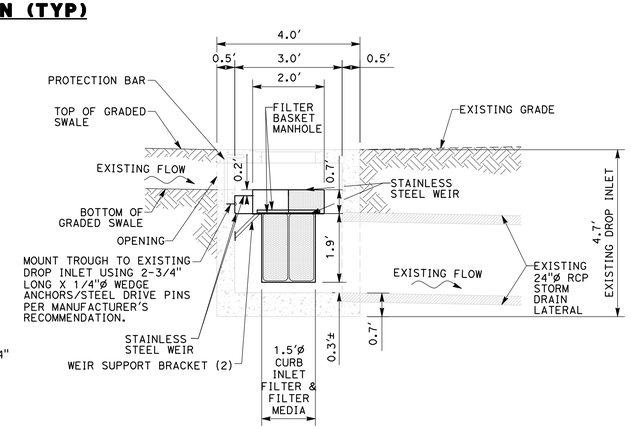
1. CONTRACTOR TO ENSURE TOP OF ROCK SLOPE MEETS FINISHED GRADE.

*** CONTRACTOR TO ENSURE TOP OF RIP RAP DOES NOT EXCEED THE FLOW LINE OF THE OUTLET OR INLET STRUCTURE.

**** CONTRACTOR TO PROVIDE AS NEEDED GRADING AT SIDEWALK AND BERM SUCH THAT THE TOP OF THE FRACTURED ROCK ELEVATION IS FLUSH WITH ADJACENT JOIN CONDITION.



PLAN VIEW



ELEVATION VIEW

STORM WATER MEMBRANE FILTRATION DEVICE DETAIL

N.T.S.

GENERAL INSTALLATION NOTES

1.) STORM WATER MEMBRANE FILTRATION DEVICE IS BASED UPON THE FOLLOWING PRODUCT AND MANUFACTURER:

MANUFACTURER: BIO CLEAN ENVIRONMENTAL SERVICES, INC.
398 VIA EL CENTRO
OCEANSIDE, CA 92058
PHONE: (760) 433-7640
FAX: (760) 433-3176
EMAIL: STORMWATER@FORTERRABP.COM

PRODUCTS:
CURB INLET FILTER & FILTER MEDIA: KRAKEN FILTER TYPE BIO-CURB-KMF-23.

2.) STORM WATER MEMBRANE FILTRATION DEVICE MUST BE CERTIFIED THROUGH THE EMERGING STORMWATER TREATMENT TECHNOLOGIES (TAPE) PROGRAM ISSUED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.

3.) CURB INLET FILTER MUST PREVENT THE FOLLOWING POLLUTANTS FROM ENTERING THE MUNICIPAL STORM DRAIN SYSTEM:

A. SEDIMENT (80% OR GREATER)
B. TRASH (100%)
C. FOLIAGE (100% OR GREATER)

4.) FILTER MEDIA MUST PREVENT THE FOLLOWING POLLUTANTS FROM ENTERING THE MUNICIPAL STORM DRAIN SYSTEM:

A. FINE TOTAL SUSPENDED SOLIDS (85% OR GREATER)
B. ZINC (58% OR GREATER)
C. COPPER (52% OR GREATER)
D. LEAD (87% OR GREATER)
E. FECAL COLIFORM (60% OR GREATER)
F. OILS AND GREASES (81%)
G, DISSOLVED PHOSPHOROUS (72% OR GREATER)

ISSUED FOR BID

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DIGALERT
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TWO WORKING DAYS BEFORE YOU DIG
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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date 5/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER
KIMBERLY BARLING
No. C92279
Exp. 06/30/25
CIVIL
STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: Kimberly Barling
KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
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SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
WIL_WQ-2 - WQ-1

SHEET No. WQ-1 SHT-23
OF 80 SHTS

Plans Prepared On:5/1/24

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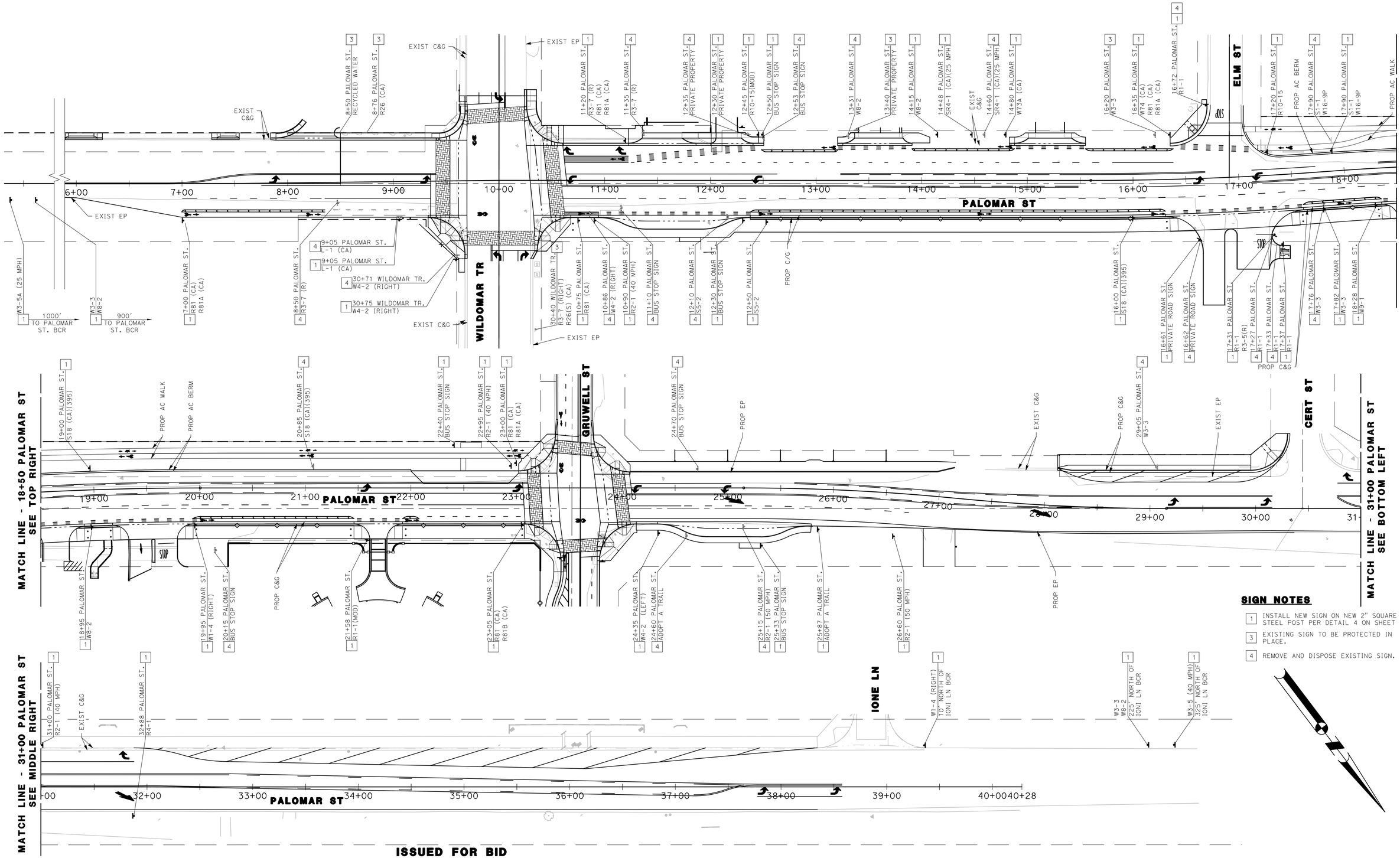

SIGN NOTES

1. INSTALL NEW SIGN ON NEW 2" SQUARE STEEL POST PER DETAIL 4 ON SHEET S-2.
3. EXISTING SIGN TO BE PROTECTED IN PLACE.
4. REMOVE AND DISPOSE EXISTING SIGN.

ISSUED FOR BID

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

SIGNING

SHEET No. S-1 SHT-24 OF 80 SHTS

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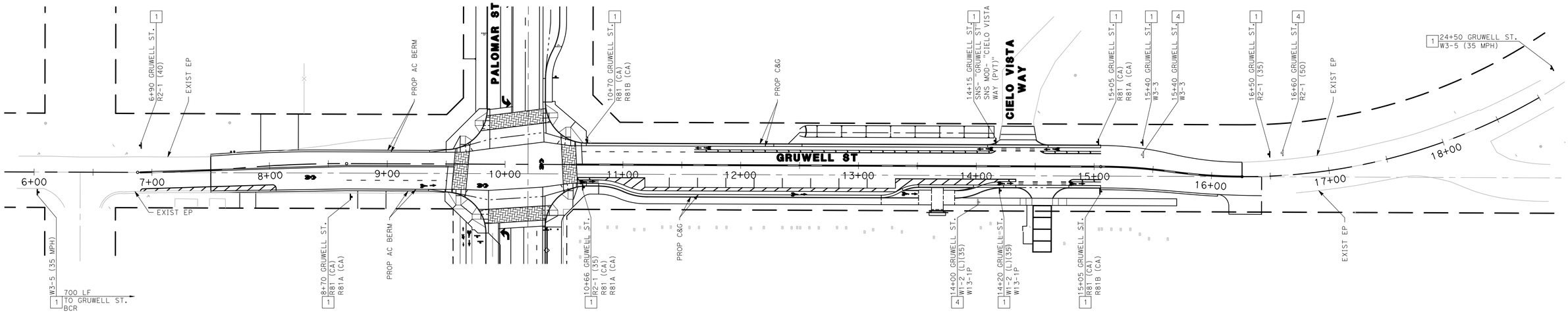

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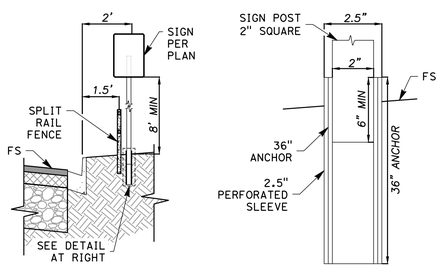
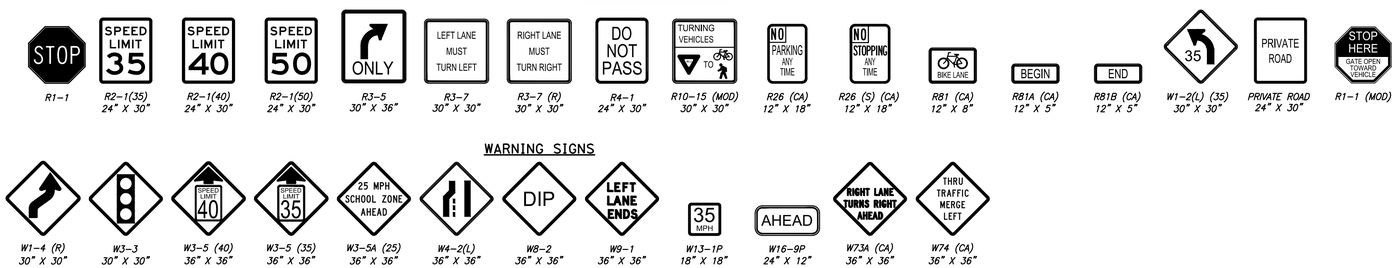


DETAIL 4 - SIGN POST INSTALLATION

NTS

SIGN LEGEND

REGULATORY SIGNS

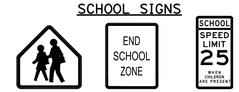


R1-1 | R2-1(35) 24" X 30" | R2-1(40) 24" X 30" | R2-1(50) 24" X 30" | R3-5 30" X 36" | R3-7 30" X 30" | R3-7 (R) 30" X 30" | R4-1 24" X 30" | R10-15 (MOD) 30" X 30" | R26 (CA) 12" X 18" | R26 (S) (CA) 12" X 18" | R81 (CA) 12" X 8" | R81A (CA) 12" X 5" | R81B (CA) 12" X 5" | W1-2(L) (35) 30" X 30" | PRIVATE ROAD 24" X 30" | R1-1 (MOD)

WARNING SIGNS

W1-4 (R) 30" X 30" | W3-3 30" X 30" | W3-5 (40) 36" X 36" | W3-5 (35) 36" X 36" | W3-5A (25) 36" X 36" | W4-2(L) 36" X 36" | W8-2 36" X 36" | W9-1 36" X 36" | W13-1P 18" X 18" | W16-9P 24" X 12" | W73A (CA) 36" X 36" | W74 (CA) 36" X 36"

SCHOOL SIGNS

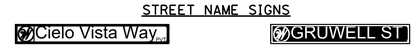


S1-1 36" X 36" | S5-2 24" X 30" | SR4-1 36" X 72"

CALIFORNIA RECREATION AND CULTURAL INTEREST AREA SIGN

S18 (CA)(395) 12" X 18"

STREET NAME SIGNS



SNS MOD CITY OF WILDOMAR STD. 815A, INVERTED COLORS

SNS CITY OF WILDOMAR STD. 815A

ISSUED FOR BID

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CITY OF WILDOMAR — Est. 1886 — Inc. 2008 — Tradition • Opportunity • Progress

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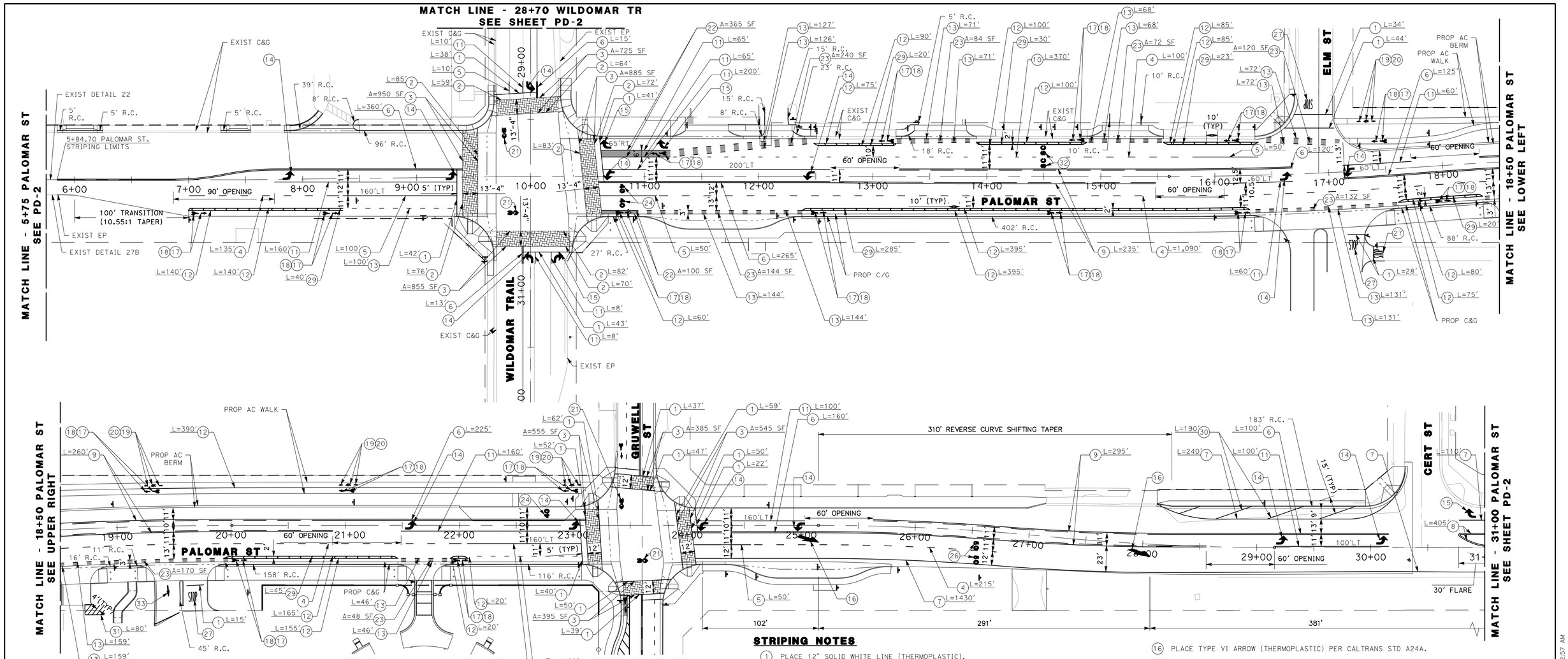
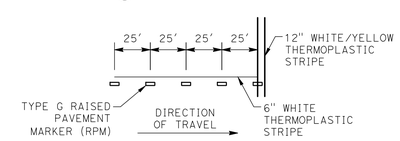
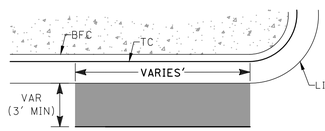
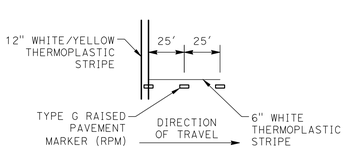




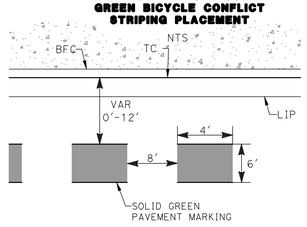
DETAIL 1-LEAD IN/LEAD OUT STRIPING PLACEMENT
NTS



DETAIL 2-TYPICAL SOLID GREEN BICYCLE CONFLICT STRIPING PLACEMENT



DETAIL 1-LEAD IN/LEAD OUT STRIPING PLACEMENT
NTS



DETAIL 3-TYPICAL DASHED GREEN BICYCLE CONFLICT STRIPING PLACEMENT
NTS

LEGEND

X' R.C. RED CURBS TO BE REFURBISHED

STRIPING NOTES

1. PLACE 12" SOLID WHITE LINE (THERMOPLASTIC).
2. PLACE 12" SOLID YELLOW LINE (THERMOPLASTIC).
3. PLACE DECORATIVE CROSSWALK PER DETAIL 12 ON SHEET C-2.
4. PLACE CALTRANS STD NO. A20A, DETAIL 9 DASHED WHITE STRIPE (THERMOPLASTIC) (WITH TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKERS).
5. PLACE 6" SOLID WHITE LEAD IN / OUT STRIPE (THERMOPLASTIC) PER DETAIL 1 ON SHEET PD-1.
6. PLACE CALTRANS STD NO. A20A, DETAIL 22 DOUBLE YELLOW STRIPE (THERMOPLASTIC) (WITH TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
7. PLACE CALTRANS STD NO. A20B, DETAIL 27B SOLID WHITE STRIPE (THERMOPLASTIC).
8. PLACE CALTRANS STD NO. A20B, DETAIL 29 DOUBLE YELLOW MEDIAN STRIPE (THERMOPLASTIC) (BOTH DIRECTIONS AND TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
9. PLACE CALTRANS STD NO. A20B, DETAIL 32 DOUBLE YELLOW MEDIAN STRIPE (THERMOPLASTIC) (BOTH DIRECTIONS AND TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
10. PLACE CALTRANS STD NO. A20D, DETAIL 37B SOLID WHITE STRIPE (THERMOPLASTIC) (WITH TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKERS).
11. PLACE CALTRANS STD NO. A20D, DETAIL 38 SOLID WHITE STRIPE (THERMOPLASTIC) (WITH TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKERS).
12. PLACE CALTRANS STD NO. A20D, DETAIL 39 SOLID WHITE BIKE LANE STRIPE (THERMOPLASTIC).
13. PLACE CALTRANS STD NO. A20D, DETAIL 39A DASHED WHITE BIKE LANE STRIPE (THERMOPLASTIC).
14. PLACE TYPE IV LEFT ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
15. PLACE TYPE IV RIGHT ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
16. PLACE TYPE VI ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
17. PLACE BIKE LANE ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
18. PLACE BIKE LANE SYMBOL WITH PERSON (THERMOPLASTIC) PER CALTRANS STD A24C.
19. PLACE PEDESTRIAN SIDEWALK DIRECTIONAL ARROW (THERMOPLASTIC) PER DETAIL 8 ON SHEET C-2.
20. PLACE PEDESTRIAN SYMBOL (THERMOPLASTIC) PER DETAIL 8 ON SHEET C-2.
21. PLACE SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD A24C (THERMOPLASTIC).
22. PLACE SOLID GREEN WITH ANTI-SKID RESITANCE CONFLICT STRIPING (THERMOPLASTIC) PER DETAIL 2 ON SHEET PD-1.
23. PLACE DASHED GREEN WITH ANTI-SKID RESITANCE CONFLICT STRIPING (THERMOPLASTIC) PER DETAIL 3 ON SHEET PD-1.
24. PLACE "40" (THERMOPLASTIC) PER CALTRANS STD A24C.
26. PLACE "50" (THERMOPLASTIC), MINIMUM 8 FOOT HEIGHT AND REFER TO CALTRANS STD A24C FOR ADDITIONAL INFORMATION.
27. PLACE "STOP" (THERMOPLASTIC) PER CALTRANS STD A24D.
29. PLACE 6" SOLID WHITE CHEVRON STRIPE (THERMOPLASTIC).
30. PLACE 6" SOLID WHITE DIAGONAL STRIPE AT 45° (THERMOPLASTIC).
31. PLACE 4" SOLID WHITE PARKING STALL STRIPE (THERMOPLASTIC).
32. PLACE "SCHOOL" (YELLOW THERMOPLASTIC) PER CALTRANS STD A24D.
33. PLACE TYPE I ARROW (MODIFIED TO 7.5' LENGTH) PER CALTRANS STD. A24A (THERMOPLASTIC).

ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 6/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
PAVEMENT DELINEATION

SHEET No. PD-1 SHT-26
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_PD-1.DWG 4/29/2024 11:22:57 AM

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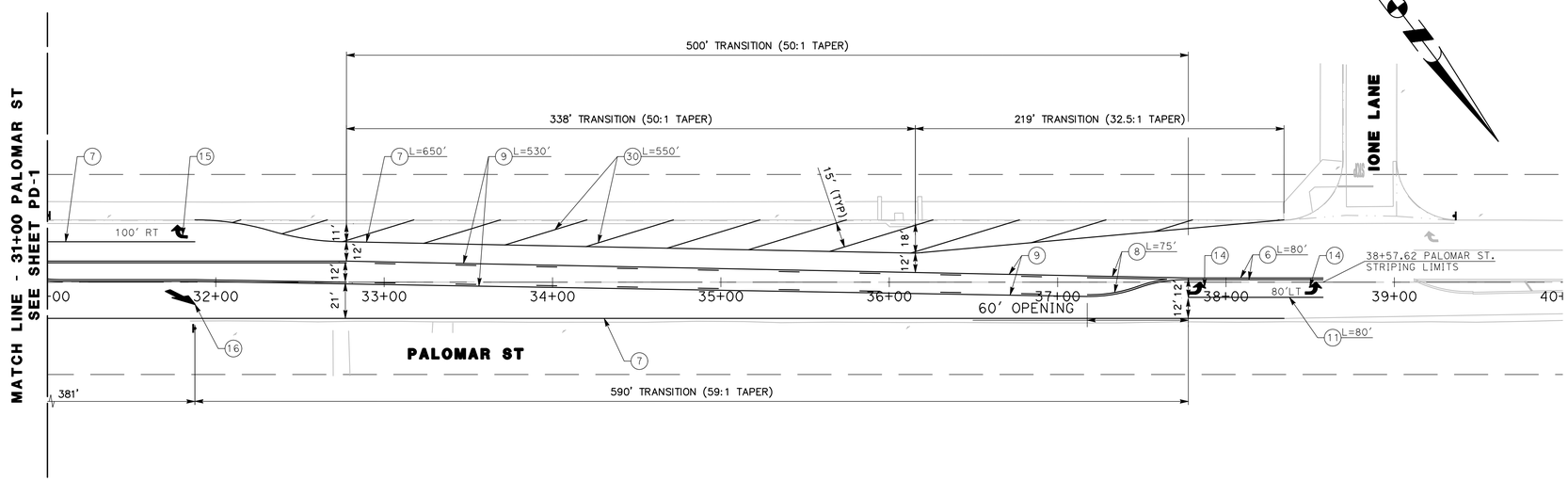

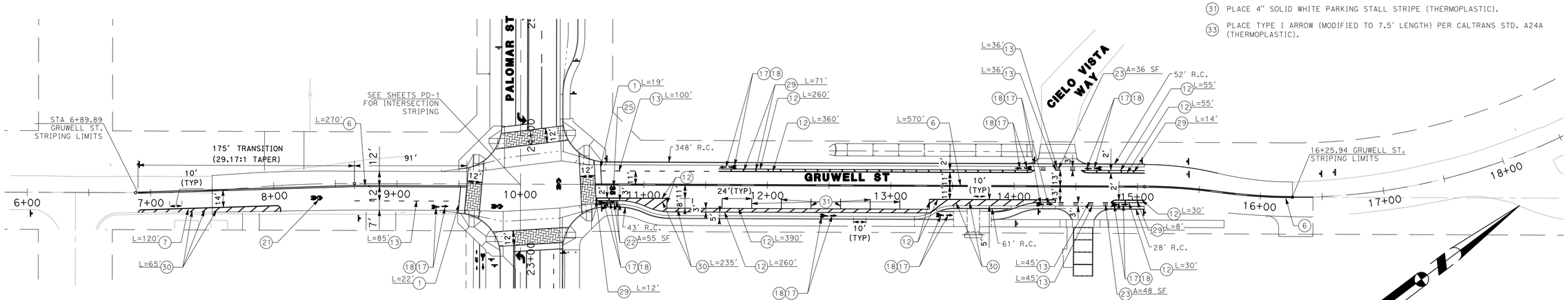

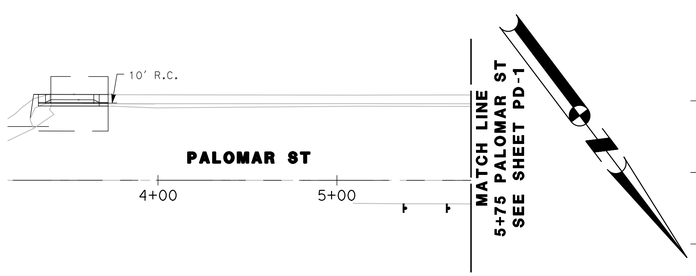

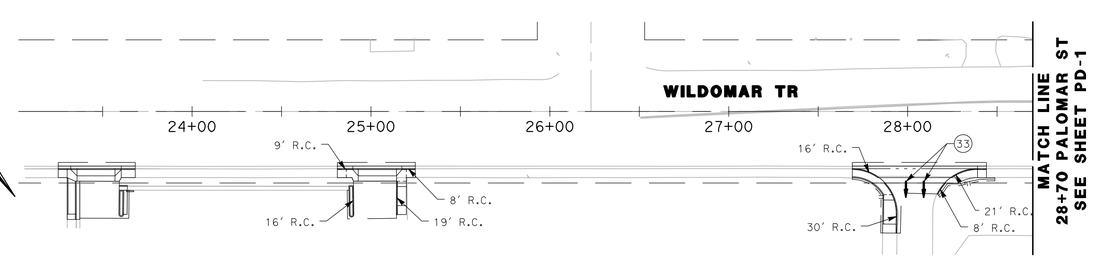

STRIPING NOTES

1. PLACE 12" SOLID WHITE LINE (THERMOPLASTIC).
6. PLACE CALTRANS STD NO. A20A, DETAIL 22 DOUBLE YELLOW STRIPE (THERMOPLASTIC) (WITH TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
7. PLACE CALTRANS STD NO. A20B, DETAIL 27B SOLID WHITE STRIPE (THERMOPLASTIC).
8. PLACE CALTRANS STD NO. A20B, DETAIL 29 DOUBLE YELLOW MEDIAN STRIPE (THERMOPLASTIC) (BOTH DIRECTIONS AND TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
9. PLACE CALTRANS STD NO. A20B, DETAIL 32 DOUBLE YELLOW MEDIAN STRIPE (THERMOPLASTIC) (BOTH DIRECTIONS AND TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKERS).
11. PLACE CALTRANS STD NO. A20D, DETAIL 38 SOLID WHITE STRIPE (THERMOPLASTIC) (WITH TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKERS).
12. PLACE CALTRANS STD NO. A20D, DETAIL 39 SOLID WHITE BIKE LANE STRIPE (THERMOPLASTIC).
13. PLACE CALTRANS STD NO. A20D, DETAIL 39A DASHED WHITE BIKE LANE STRIPE (THERMOPLASTIC).
14. PLACE TYPE IV LEFT ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
15. PLACE TYPE IV RIGHT ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
16. PLACE TYPE VI ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
17. PLACE BIKE LANE ARROW (THERMOPLASTIC) PER CALTRANS STD A24A.
18. PLACE BIKE LANE SYMBOL WITH PERSON (THERMOPLASTIC) PER CALTRANS STD A24C.
21. PLACE SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD A24C (THERMOPLASTIC).
22. PLACE SOLID GREEN WITH ANTI-SKID RESITANCE CONFLICT STRIPING (THERMOPLASTIC) PER DETAIL 2 ON SHEET PD-1.
23. PLACE DASHED GREEN WITH ANTI-SKID RESITANCE CONFLICT STRIPING (THERMOPLASTIC) PER DETAIL 3 ON SHEET PD-1.
25. PLACE "35" (THERMOPLASTIC) PER CALTRANS STD A24C.
29. PLACE 6" SOLID WHITE CHEVRON STRIPE (THERMOPLASTIC).
30. PLACE 6" SOLID WHITE DIAGONAL STRIPE AT 45° (THERMOPLASTIC).
31. PLACE 4" SOLID WHITE PARKING STALL STRIPE (THERMOPLASTIC).
33. PLACE TYPE I ARROW (MODIFIED TO 7.5' LENGTH) PER CALTRANS STD. A24A (THERMOPLASTIC).

LEGEND

X' R.C. ——— RED CURBS TO BE REFURBISHED

ISSUED FOR BID

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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date 4/30/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
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4200 CONCOURS ST., SUITE 330
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PREPARED BY: KIMBERLY BARLING
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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

PAVEMENT DELINEATION

SHEET No. PD-2 SHT-27
OF 80 SHTS

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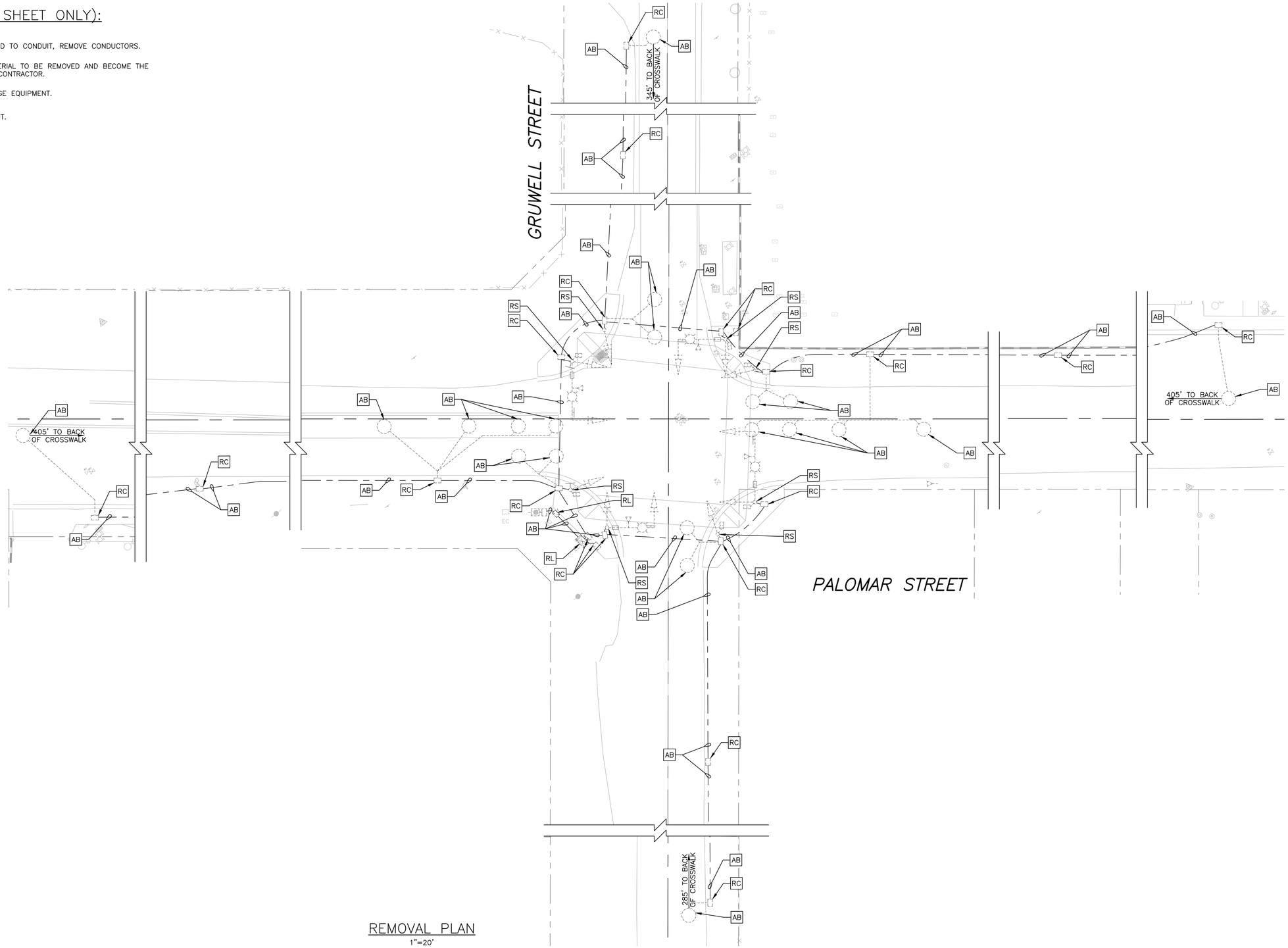
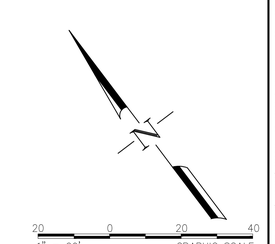
LEGEND (THIS SHEET ONLY):

- AB — ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
- RC — EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
- RS — REMOVE AND SALVAGE EQUIPMENT.
- RL — RELOCATE EQUIPMENT.



REMOVAL PLAN

1"=20'



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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — CLAUDE T. STRAYER — No. 86774 Exp. 3/31/25 — CIVIL — STATE OF CALIFORNIA

FEHR PEERS
(949) 308-6300
101 PACIFICA, SUITE 300
IRVINE, CA 92618

PREPARED BY: Claude Strayer
CLAUDE STRAYER
R.C.E. No. 86774 EXP. 3/31/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.

THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE:
H: As Noted V: As Noted

Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

Traffic Signal Removal Plan

Palomar Street & Gruwell Street

SHEET No. TS-1 SHT-28

OF 80 SHTS

W:\ORANGE COUNTY N DRIVE\PROJECTS\OC21\0810 PALOMAR STREET TRAFFIC MODIFICATION\CAD\FINAL_SUBMITTAL\0810-TS.DWG 4/29/2024 5:15:59 PM

Plans Prepared On:4/29/24

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

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CONDUCTOR SCHEDULE

AWG OR CABLE TYPE	POLE	PHASES	CONDUIT SIZE AND RUN NUMBER 1	2	3	4	5	6	7	8	9	10
12 WIRE CONDUCTOR CABLE 11–#14 1–#12	A	ø4, ø4P / ø2 APS							1	1	1	
	B	ø1, ø2, ø2P / ø4 APS					1	1	1	1		
	C	ø1, ø6, ø6P / ø4 APS				1	1	1	1	1		
	D	ø4, ø8, ø4P / ø6 APS			1	1	1	1	1	1		
	E	ø8, ø8P / ø6 APS		1	1	1	1	1	1	1		
	F	ø5, ø6, ø6P / ø8 APS	1	1	1	1	1	1	1	1		
	G	ø2, ø5, ø2P / ø8 APS							1	1	1	1	1	1	1	1
3 WIRE CONDUCTOR CABLE	H	ø4, ø8, ø8P / ø2 APS							1	1	1	1	1			
(3–#14 APS)		TOTAL	1	1	2	2	3	3	4	4	5	5	–	–	8	8	3	3	2	2	1	1
#8		SAFETY LIGHTING			2	2	2	2	4		2	2	2	2
		GROUND	1	1	1	1	1		1	1	1	1	1	1
TOTAL #8			1	3	3	3	3	4	1	3	3	3
VIDEO DETECTION CABLE	A	ø4 VIDEO DETECTION							1	1		
	C	ø1/ø6 VIDEO DETECTION				1	1		1			
	E	ø8 VIDEO DETECTION		1	1	1	1		1			
	G	ø2/ø5 VIDEO DETECTION							1	1	1	1
		TOTAL	–	1	1	2	2	–	4	1	1	1
EVD	A	ø4							1	1		
	C	ø1/ø6				1	1		1			
	E	ø8		1	1	1	1		1			
	G	ø2/ø5							1	1	1	1
		TOTAL	–	1	1	2	2	–	4	1	1	1
OUTDOOR RATED CAT6		CCTV DATA AND POWER	–	1	1	1	1	–	2	1	1	1
CONDUIT SIZE			3"	3"	4"	4"	2–4"	3"	2–4"	4"	3"	3"
FILL %			8%	20%	16%	21%	12%	5%	19%	16%	20%	13%

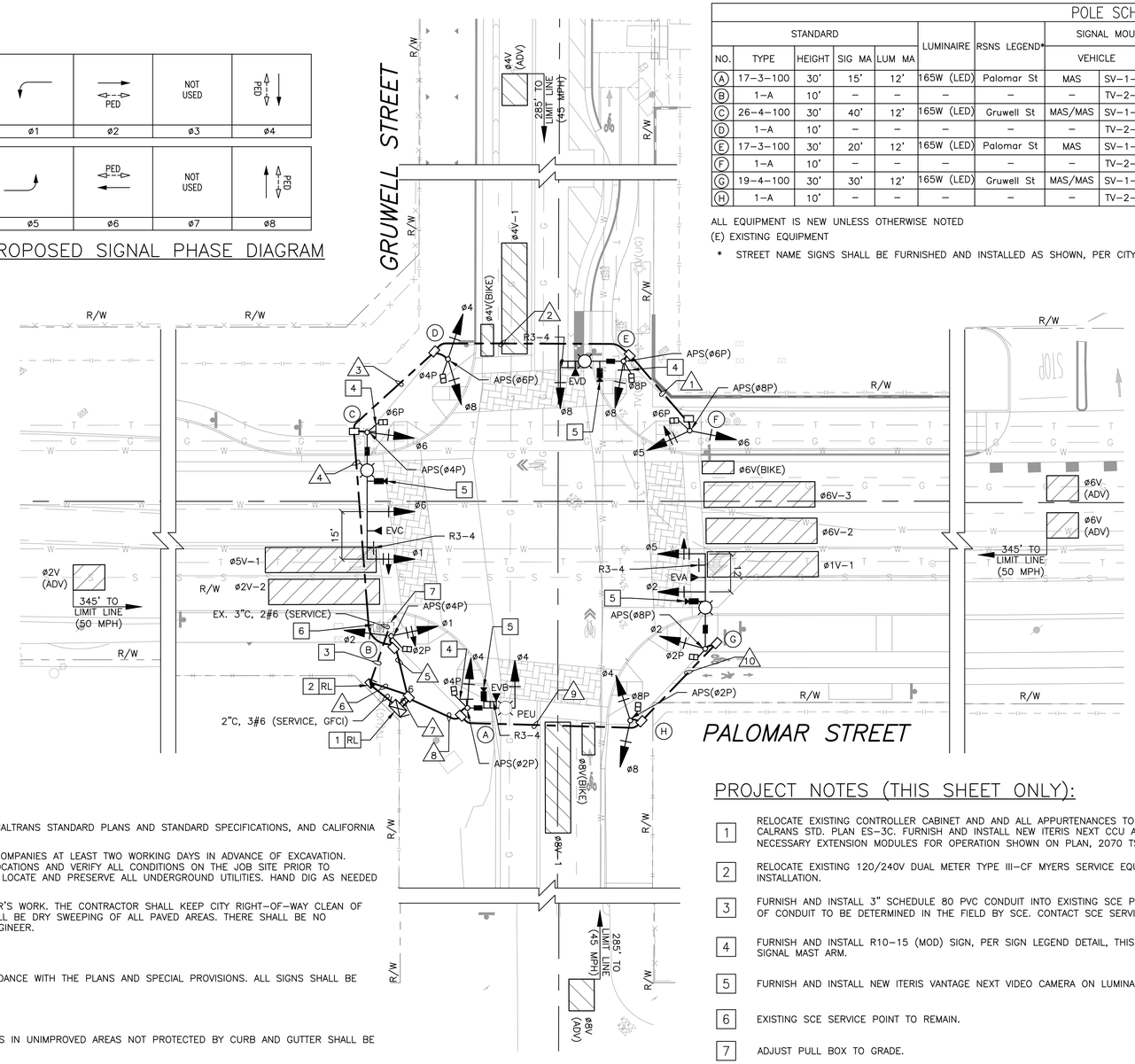
NOTE: ALL CONDUCTORS/CABLES ARE NEW.

PROPOSED SIGNAL PHASE DIAGRAM

POLE SCHEDULE

NO.	STANDARD TYPE	HEIGHT	SIG MA	LUM MA	LUMINAIRE	RSNS LEGEND*	SIGNAL MOUNTING VEHICLE	PED	APS PHASE	QUADRANT	LOCATION A	B	REMARK
(A)	17–3–100	30'	15'	12'	165W (LED)	Palomar St	MAS	SV–1–T	SP–1–T	2P	N	4.4'	8.2'	
(B)	1–A	10'	–	–	–	–	–	TV–2–T	SP–1–T	4P	E	2.5'	7.9'	
(C)	26–4–100	30'	40'	12'	165W (LED)	Gruwell St	MAS/MAS	SV–1–T	SP–1–T	4P	E	0.7'	7.3'	
(D)	1–A	10'	–	–	–	–	–	TV–2–T	SP–1–T	6P	S	4.6'	8.5'	
(E)	17–3–100	30'	20'	12'	165W (LED)	Palomar St	MAS	SV–1–T	SP–1–T	6P	S	5.4'	9.5'	
(F)	1–A	10'	–	–	–	–	–	TV–2–T	SP–1–T	8P	W	3.6'	7.5'	
(G)	19–4–100	30'	30'	12'	165W (LED)	Gruwell St	MAS/MAS	SV–1–T	SP–1–T	8P	W	3.9'	10.2'	
(H)	1–A	10'	–	–	–	–	–	TV–2–T	SP–1–T	2P	N	1.3'	7.4'	

ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED
(E) EXISTING EQUIPMENT
* STREET NAME SIGNS SHALL BE FURNISHED AND INSTALLED AS SHOWN, PER CITY OF WILDOMAR STANDARD PLAN 816A.



PROPOSED PLAN
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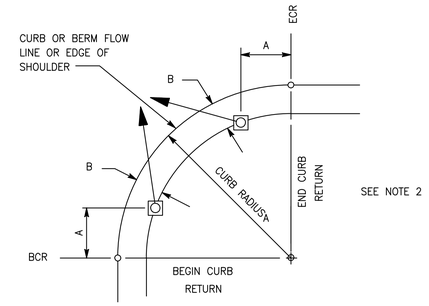
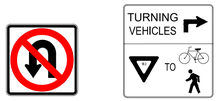


NOTES:
1. Typical signal pole placement unless dimensioned on plans.
2. For A and B dimensions, see Pole Schedule.

POLE LOCATION DETAIL
N.T.S

SIGN LEGEND (THIS SHEET):



R3–4
24" X 24"

R10–15 (MOD)
30" X 30"

GENERAL NOTES (SHEETS TS1 THROUGH TS4):

1. ALL MATERIAL AND WORK SHALL CONFORM TO THE LATEST EDITION OF COUNTY OF RIVERSIDE STANDARD PLANS, CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS, AND CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, (800) 227–2600, AND ALL CONCERNED UTILITY COMPANIES AT LEAST TWO WORKING DAYS IN ADVANCE OF EXCAVATION. LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ALL DAMAGES OCCURRED DUE TO FAILURE TO LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. HAND DIG AS NEEDED OR AS DIRECTED BY THE ENGINEER UNTIL CLEAR OF OBSTRUCTIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON CITY RIGHT–OF–WAY AFFECTED BY CONTRACTOR'S WORK. THE CONTRACTOR SHALL KEEP CITY RIGHT–OF–WAY CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. METHOD OF STREET CLEANING SHALL BE DRY SWEEPING OF ALL PAVED AREAS. THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS WITHIN THE CITY RIGHT–OF–WAY WITHOUT THE PERMISSION OF THE ENGINEER.
4. EXISTING PRIVATELY OWNED IMPROVEMENTS ON PUBLIC RIGHT–OF–WAY SHALL BE PROTECTED OR REPLACED.
5. SEE CALTRANS STANDARD PLAN ES–1A, ES–1B, AND ES–1C FOR SYMBOLS AND ABBREVIATION LEGENDS.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC SIGNAL EQUIPMENTS, SIGNS, AND STRIPING IN ACCORDANCE WITH THE PLANS AND SPECIAL PROVISIONS. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE UNLESS OTHERWISE NOTED.
7. CONTROLLER CABINET AND SERVICE CABINET SHALL BE PLACED AT A MINIMUM OF 15 FEET APART.
8. ELECTRICAL CONDUIT SHALL BE PLACED AT A MINIMUM OF 2 FEET FROM TELEPHONE CONDUIT.
9. ALL PULL BOXES SIZE SHALL BE NO. 5 UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER. PULL BOXES IN UNIMPROVED AREAS NOT PROTECTED BY CURB AND GUTTER SHALL BE TRAFFIC BEARING TYPE. MAXIMUM SPACING BETWEEN PULL BOXES SHALL BE 500 FEET.
10. ALL CONDUITS PLACED UNDER PAVING SHALL BE INSTALLED WITHOUT OPEN CUTTING.
11. ALL CABLES AND CONDUCTORS SHALL BE CONTINUOUS WITH A MINIMUM OF 6 FEET OF SLACK INSIDE EACH PULL BOX UNLESS OTHERWISE NOTED. 20 FEET OF SIGNAL INTERCONNECT CABLE SLACK SHALL BE PROVIDED INSIDE THE CONTROLLER CABINET.
12. TRAFFIC SIGNAL INTERCONNECT CABLE (SIC) SHALL BE 6–PAIR, AWG #20 CABLE UNLESS OTHERWISE NOTED. TRAFFIC SIGNAL INTERCONNECT CONDUIT SHALL HAVE A MINIMUM FACTORY CONDUIT BEND RADIUS OF 36 INCH.
13. ALL COMBINATION PEDESTRIAN AND VEHICLE SIGNAL INDICATIONS INCLUDING PV HEADS SHALL UTILIZE LIGHT EMITTING DIODE (LED) SIGNAL MODULES. ALL VEHICLE SIGNAL SECTION AND INDICATIONS SHALL BE 12 INCH.
14. ALL SIGNAL HOUSINGS, VISORS, AND BACKPLATES SHALL BE METAL. VEHICLE SIGNAL HOUSING SHALL BE PROVIDED WITH LOUVERED BACKPLATE. A TUNNEL VISOR SHALL BE PROVIDED FOR EACH SIGNAL FACE.
15. ALL UNUSED TENONS SHALL BE CAPPED IN A WATERPROOF METHOD AS DIRECTED BY THE ENGINEER.
16. ALL EQUIPMENT LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO FINAL PLACEMENT.
17. PLAN SIGNATURE IS GOOD FOR 1 YEAR, ADDITIONAL PLAN REVIEW IS REQUIRED IF NO CONSTRUCTION BEGAN BY THEN.
18. ALL LUMINAIRES SHALL BE LED GE EVOLVE LIGHTING SERIES. SEE CALTRANS STD PLAN ES–10A.

PROJECT NOTES (THIS SHEET ONLY):

1. RELOCATE EXISTING CONTROLLER CABINET AND AND ALL APPURTENANCES TO NEW FOUNDATION FOR TYPE 332 CONTROLLER CABINET PER CALRANS STD. PLAN ES–3C. FURNISH AND INSTALL NEW ITERIS NEXT CCU AND 2–DUAL VIDEO PROCESSORS FOR THE INTENDED OPERATION, NECESSARY EXTENSION MODULES FOR OPERATION SHOWN ON PLAN, 2070 TS–2 CABLE, 17" RACK–MOUNT LCD MONITOR.
2. RELOCATE EXISTING 120/240V DUAL METER TYPE III–CF MYERS SERVICE EQUIPMENT ENCLOSURE. SEE CALTRANS STD. PLAN ES–2F FOR INSTALLATION.
3. FURNISH AND INSTALL 3" SCHEDULE 80 PVC CONDUIT INTO EXISTING SCE PULL BOX WITH PULL ROPE PER SCE REQUIREMENTS. EXACT LOCATION OF CONDUIT TO BE DETERMINED IN THE FIELD BY SCE. CONTACT SCE SERVICE PLANNER AT (XXX) XXX–XXXX PRIOR TO EXCAVATION.
4. FURNISH AND INSTALL R10–15 (MOD) SIGN, PER SIGN LEGEND DETAIL, THIS SHEET. SIGN SHALL BE MOUNTED ON TRAFFIC SIGNAL POLE ABOVE SIGNAL MAST ARM.
5. FURNISH AND INSTALL NEW ITERIS VANTAGE NEXT VIDEO CAMERA ON LUMINAIRE MAST ARM USING UNIVERSAL BRACKET.
6. EXISTING SCE SERVICE POINT TO REMAIN.
7. ADJUST PULL BOX TO GRADE.

LEGEND (THIS SHEET):

PROPOSED VIDEO DETECTION ZONE

20 0 20 40
1" = 20' GRAPHIC SCALE

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ENGINEER				CITY	

CITY OF WILDOMAR — Est. 1886 Inc. 2008 — Tradition • Opportunity • Progress

CITY OF WILDOMAR
ACCEPTED BY:
Date 5/6/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — CLAUDE T. STRAYER — No. 86774 Exp. 3/31/25 — CIVIL — STATE OF CALIFORNIA

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CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
Traffic Signal Plan
Palomar Street & Gruwell Street

SHEET No. TS–2
SHT–29
OF 80 SHTS

Plans Prepared On:4/30/24

W:\ORANGE COUNTY N DRIVE\PROJECTS\OC21\0810 PALOMAR STREET TRAFFIC MODIFICATION\CAD\FINAL_SUBMITTAL\0810-TS.DWG 4/30/2024 3:59:58 PM

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

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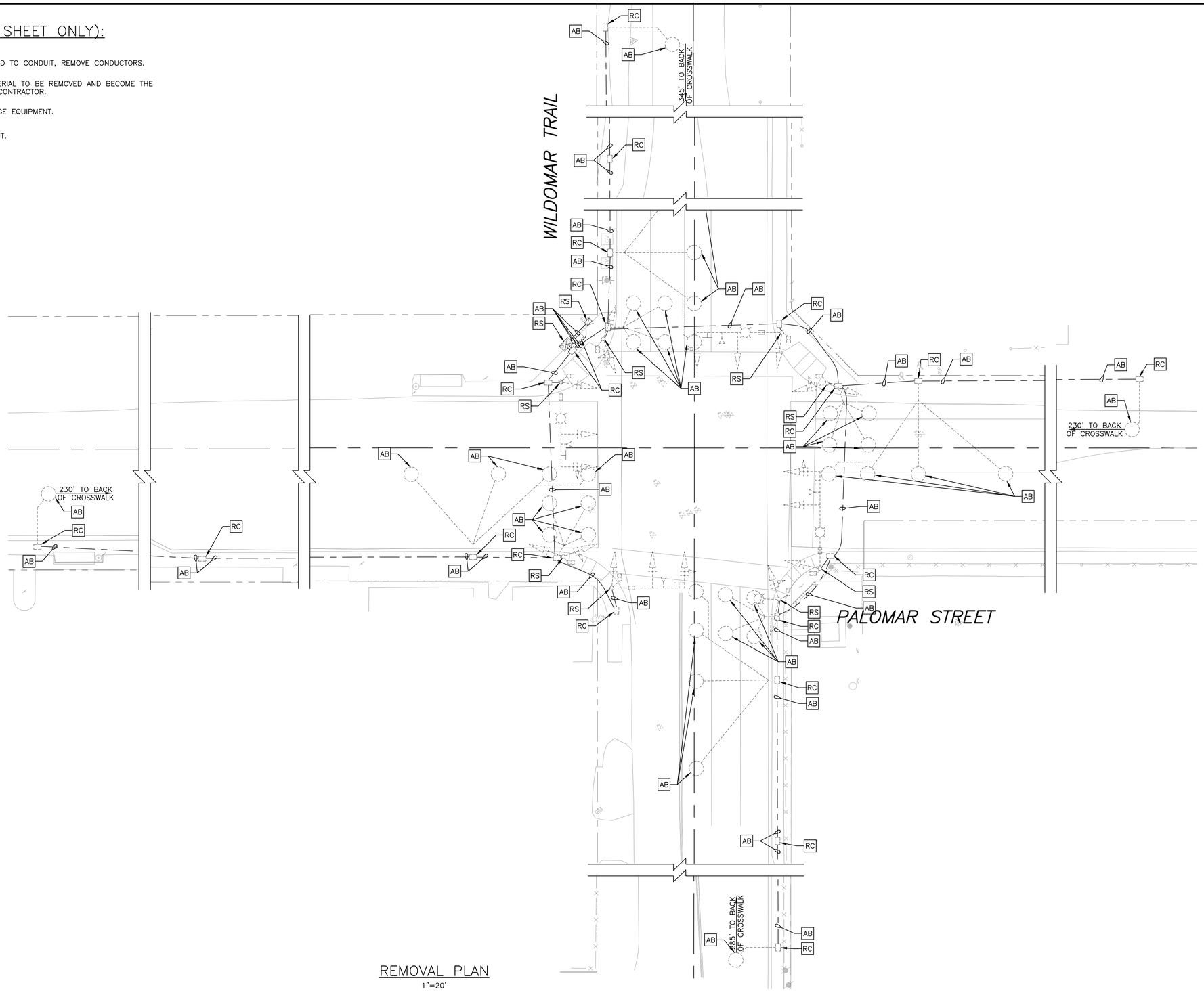
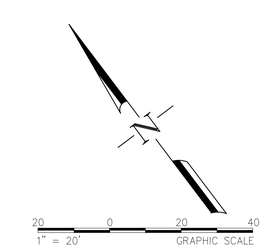
LEGEND (THIS SHEET ONLY):

- AB — ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
- RC — EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
- RS — REMOVE AND SALVAGE EQUIPMENT.
- RL — RELOCATE EQUIPMENT.



REMOVAL PLAN
1"=20'



DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER CLAUDE T. STRAYER No. 86774 Exp. 3/31/25 CIVIL STATE OF CALIFORNIA

FEHR PEERS
(949) 308-6300
101 PACIFICA, SUITE 300
IRVINE, CA 92618
PREPARED BY: CLAUDE STRAYER
R.C.E. No. 86774 EXP. 3/31/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
Traffic Signal Removal Plan
Palomar Street & Wildomar Trail

SHEET No. TS-3 SHT-30 OF 80 SHTS

Plans Prepared On:4/29/24

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

W:\ORANGE COUNTY N DRIVE\PROJECTS\0C21\0810 PALOMAR STREET TRAFFIC MODIFICATION\CAD\FINAL_SUBMITTAL\0810-TS.DWG 4/29/2024 5:15:59 PM

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CONDUCTOR SCHEDULE

AWG OR CABLE TYPE	POLE	PHASES	CONDUIT SIZE AND RUN NUMBER 1	2	3	4	5	6	7	8	9	10
12 WIRE CONDUCTOR CABLE 11–#14 1–#12	A	ø3, ø4, ø4P / ø6 APS					1	1	1	1		
	B	ø3, ø8, ø8P / –				1	1		1			
	C	– / ø6 APS				1	1	1		1		
	D	– / ø8 APS			1	1	1	1		1		
	E	ø5, ø6, ø6P / –			1	1	1		1			
	F	– / ø8 APS		1	1	1	1	1		1		
	G	ø2, ø5, ø2P / –		1	1	1	1	1	1			
	H	– / ø2 APS	1	1	1	1	1	1		1		
	I	ø7, ø8, ø8P / –	1	1	1	1	1		1			
	J	ø4, ø7, ø4P / –							1	1	1	1
3 WIRE CONDUCTOR CABLE (3–#14 APS)	K	– / ø2 APS							1	1	1	1
	L	ø1, ø2, ø2P / ø4 APS							1	1	1	1
	M	ø1, ø6, ø6P / ø4 APS							1	1	1	1
		TOTAL	1	1	2	2	3	3	4	4	5	5
			–	–	8	8	3	3	2	2	1	1
#8		SAFETY LIGHTING	2	2	2	2	2	4		2		
		GROUND	1	1	1	1	1		1	1	1	1
TOTAL #8			3	3	3	3	3	4	1	3	1	1
VIDEO DETECTION CABLE	B	ø3/ø8 VIDEO DETECTION				1	1		1			
	G	ø2/ø5 VIDEO DETECTION		1	1	1	1		1			
	H	ø4/ø7 VIDEO DETECTION							1	1	1	1
	K	ø1/ø6 VIDEO DETECTION							1	1		
TOTAL			–	1	1	2	2	–	4	2	1	1
EVD	B	ø3/ø8				1	1		1			
	D	ø2/ø5		1	1	1	1		1			
	J	ø4/ø7							1	1	1	1
	M	ø1/ø6							1	1		
TOTAL			–	1	1	2	2	–	4	2	1	1
OUTDOOR RATED CAT6 CCTV DATA AND POWER			–	1	1	2	2	–	4	2	1	1
CONDUIT SIZE			3"	4"	4"	2–4"	2–4"	3"	2–4"	4"	4"	3"
FILL %			9%	12%	16%	11%	13%	5%	20%	17%	11%	12%

NOTE: ALL CONDUCTORS/CABLES ARE NEW.

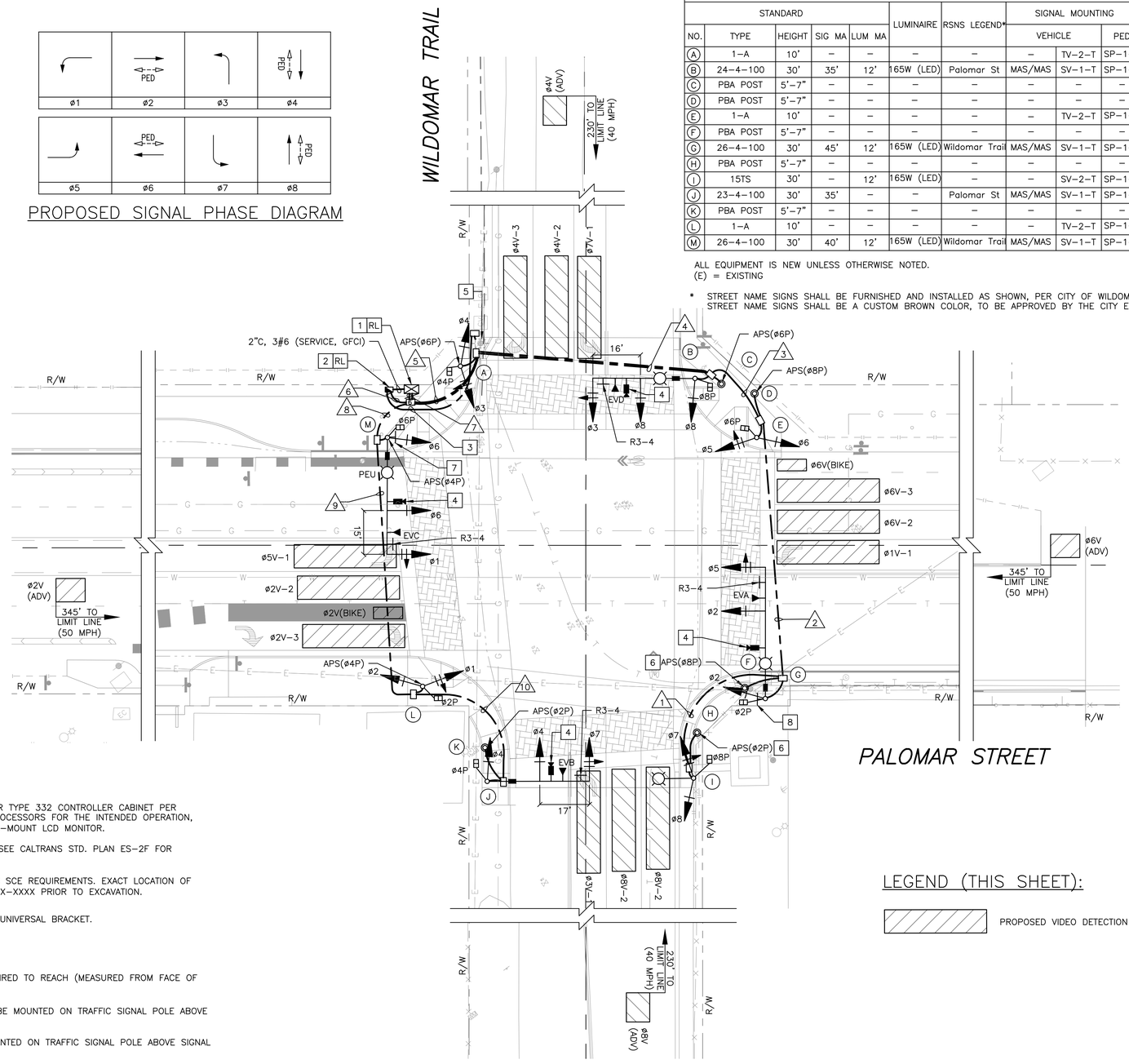
PROPOSED SIGNAL PHASE DIAGRAM

POLE SCHEDULE

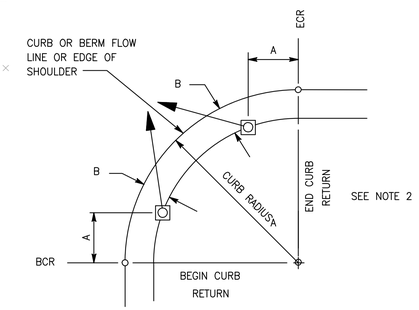
NO.	STANDARD TYPE	HEIGHT	SIG MA	LUM MA	LUMINAIRE	RSNS LEGEND*	SIGNAL MOUNTING VEHICLE		PED	APS PHASE	QUADRANT	LOCATION A	B	REMARK
(A)	1–A	10'	–	–	–	–	–	TV–2–T	SP–1–T	6P	S	2.6'	6.8'	
(B)	24–4–100	30'	35'	12'	165W (LED)	Palomar St	MAS/MAS	SV–1–T	SP–1–T	–	–	9.8'	3.8'	
(C)	PBA POST	5'–7"	–	–	–	–	–	–	–	6P	S	11.7'	11.5'	
(D)	PBA POST	5'–7"	–	–	–	–	–	–	–	8P	W	9.2'	17.4'	
(E)	1–A	10'	–	–	–	–	–	TV–2–T	SP–1–T	–	–	8.5'	3.8'	
(F)	PBA POST	5'–7"	–	–	–	–	–	–	–	8P	N	2.5'	5.8'	
(G)	26–4–100	30'	45'	12'	165W (LED)	Wildomar Trail	MAS/MAS	SV–1–T	SP–1–T	–	–	4.6'	9.5'	
(H)	PBA POST	5'–7"	–	–	–	–	–	–	–	2P	W	3.8'	5.8'	
(I)	15TS	30'	–	12'	165W (LED)	–	–	SV–2–T	SP–1–T	–	–	11.8'	4.9'	
(J)	23–4–100	30'	35'	–	–	Palomar St	MAS/MAS	SV–1–T	SP–1–T	–	–	7.8'	7.8'	
(K)	PBA POST	5'–7"	–	–	–	–	–	–	–	2P	E	3.8'	8.3'	
(L)	1–A	10'	–	–	–	–	–	TV–2–T	SP–1–T	4P	E	5.1'	9.8'	
(M)	26–4–100	30'	40'	12'	165W (LED)	Wildomar Trail	MAS/MAS	SV–1–T	SP–1–T	4P	E	0'	4.9'	

ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
(E) = EXISTING

* STREET NAME SIGNS SHALL BE FURNISHED AND INSTALLED AS SHOWN, PER CITY OF WILDOMAR STANDARD PLAN 816A. "Wildomar Trail" STREET NAME SIGNS SHALL BE A CUSTOM BROWN COLOR, TO BE APPROVED BY THE CITY ENGINEER PRIOR TO FABRICATION.



PROPOSED PLAN
1"=20'



NOTES:
1. Typical signal pole placement unless dimensioned on plans.
2. For A and B dimensions, see Pole Schedule.

POLE LOCATION DETAIL
N.T.S

SIGN LEGEND (THIS SHEET):

R3–4 24" X 24" | R10–15(MOD) 30" X 30" | R10–15 30" X 30"

PROJECT NOTES (THIS SHEET ONLY):

1. RELOCATE EXISTING CONTROLLER CABINET AND AND ALL APPURTENANCES TO NEW FOUNDATION FOR TYPE 332 CONTROLLER CABINET PER CALRANS STD. PLAN ES–3C. FURNISH AND INSTALL NEW ITERIS NEXT CCU AND 2–DUAL VIDEO PROCESSORS FOR THE INTENDED OPERATION, NECESSARY EXTENSION MODULES FOR OPERATION SHOWN ON PLAN, 2070 TS–2 CABLE, 17" RACK–MOUNT LCD MONITOR.
2. RELOCATE EXISTING 120/240V DUAL METER TYPE III–CF MYERS SERVICE EQUIPMENT ENCLOSURE. SEE CALTRANS STD. PLAN ES–2F FOR INSTALLATION.
3. FURNISH AND INSTALL 3" SCHEDULE 80 PVC CONDUIT INTO NEW PULL BOX WITH PULL ROPE PER SCE REQUIREMENTS. EXACT LOCATION OF CONDUIT TO BE DETERMINED IN THE FIELD BY SCE. CONTACT SCE SERVICE PLANNER AT (XXX) XXX–XXXX PRIOR TO EXCAVATION.
4. FURNISH AND INSTALL NEW ITERIS VANTAGE NEXT VIDEO CAMERA ON LUMINAIRE MAST ARM USING UNIVERSAL BRACKET.
5. EXISTING SCE SERVICE POINT TO REMAIN.
6. PBA POST SHALL BE INSTALLED TO ENSURE THAT THE MAXIMUM DISTANCE A PEDESTRIAN IS REQUIRED TO REACH (MEASURED FROM FACE OF CURB TO PBA) IS NO MORE THAN 10 INCHES.
7. FURNISH AND INSTALL R10–15 (MOD) SIGN, PER SIGN LEGEND DETAIL, THIS SHEET. SIGN SHALL BE MOUNTED ON TRAFFIC SIGNAL POLE ABOVE SIGNAL MAST ARM.
8. FURNISH AND INSTALL R10–15 SIGN, PER SIGN LEGEND DETAIL, THIS SHEET. SIGN SHALL BE MOUNTED ON TRAFFIC SIGNAL POLE ABOVE SIGNAL MAST ARM.

LEGEND (THIS SHEET):

PROPOSED VIDEO DETECTION ZONE

20 0 20 40
1" = 20' GRAPHIC SCALE

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Date/2024
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101 PACIFICA, SUITE 300
IRVINE, CA 92618
PREPARED BY: Claude Strayer
CLAUDE STRAYER
R.C.E. No. 86774 EXP. 3/31/2025

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Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
Traffic Signal Plan
Palomar Street & Wildomar Trail

SHEET No. TS–4 SHT–31
OF 80 SHTS

W:\ORANGE COUNTY IN DRIVE\PROJECTS\OC21\08810 PALOMAR STREET TRAFFIC MODIFICATION\CAD\FINAL_SUBMITTAL\08810-TS.DWG 4/30/2024 3:59:58 PM

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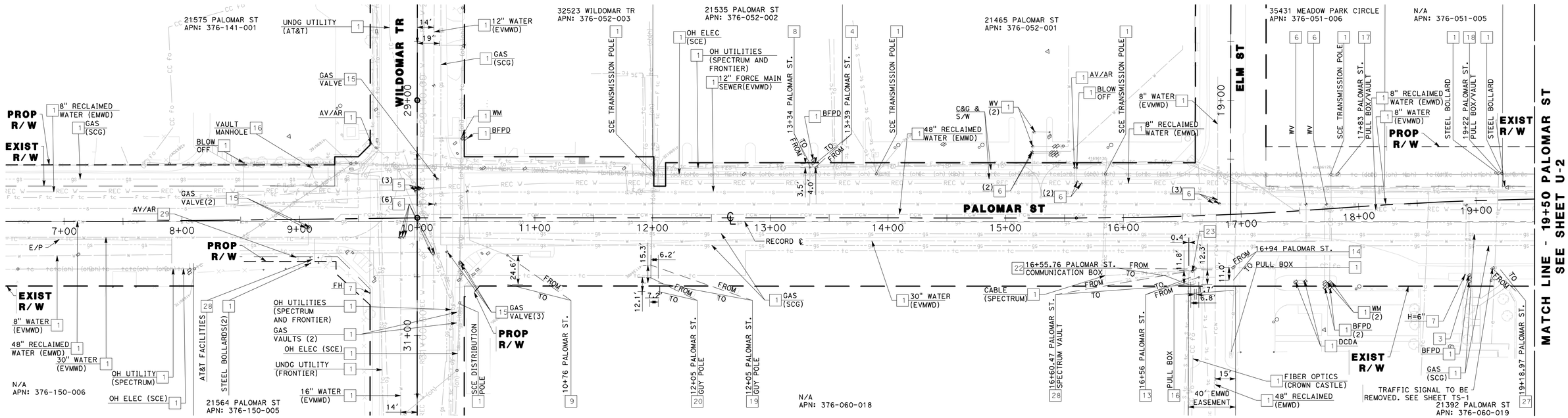


LEGEND

- GAS
- EMWD
- EVMWD
- RECYCLED WATER
- EVMCD SEWER
- AT&T
- SPECTRUM
- CROWN CASTLE FIBER OPTICS
- CROWN CASTLE AERIAL
- FRONTIER FIBER OPTICS
- FRONTIER
- SPECTRUM
- SOUTHERN CALIFORNIA EDISON
- WATER VALVE
- GAS VALVE
- STEEL BOLLARD
- GAS AIR VALVE/AIR RELEASE
- BLOW OFF
- MANHOLE
- POWER POLE
- IRRIGATION CONTROL VALVE
- FIRE DEPARTMENT CONNECTION
- WATER METER
- POWER POLE
- GAS VAULTS
- IRRIGATION VAULTS
- IRRIGATION VALVE
- INVERT LOCATION
- UTILITY POTHOLE LOCATION
- BACKFLOW PREVENTION
- FIRE HYDRANT

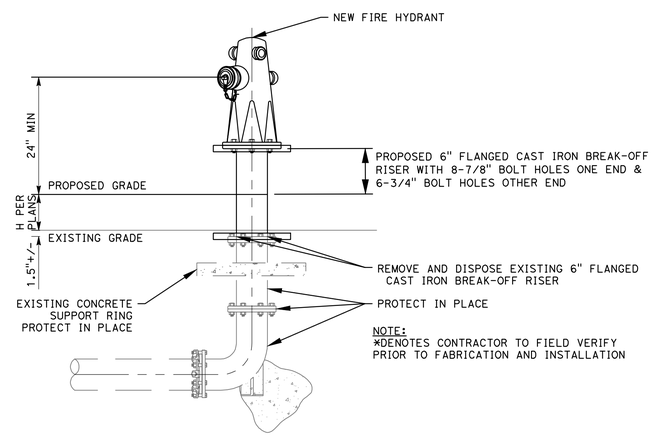
ABBREVIATIONS

R/W = RIGHT OF WAY

C&G = CURB AND GUTTER

S/W = SIDEWALK

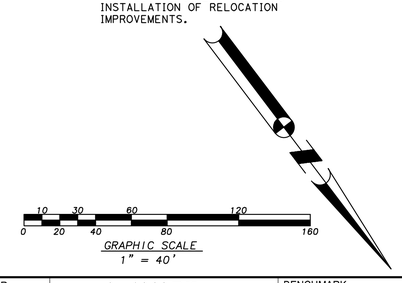
E/P = EDGE OF PAVEMENT



ADJUST FIRE HYDRANT TO GRADE
NTS

NOTE TO CONTRACTOR

1. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
2. CONTRACTOR TO FIELD VERIFY LOCATION OF UTILITY RELOCATIONS NOTED HERE-IN WITH CITY ENGINEER PRIOR TO INSTALLATION OF RELOCATION IMPROVEMENTS.



UTILITY NOTES

1. PROTECT IN PLACE.
3. ADJUST METER BOX TO GRADE (EVMWD)
4. REMOVE WATER METER, METER BOX AND SERVICE TO CURB STOP AND INSTALL NEW 1" DOMESTIC WATER SERVICE PER EVMWD STANDARD DWG NO. W-9/RECONNECT TO EXISTING PRIVATE SERVICE, UTILITY TRENCH BACKFILL PER COUNTY OF RIVERSIDE STANDARD DWG. NO. 818.
5. ADJUST WATER VALVE CAN TO GRADE (EMWD).
6. ADJUST WATER VALVE CAN TO GRADE (EVMWD)
7. ADJUST FIRE HYDRANT TO GRADE PER DETAIL ON SHEET U-1.
8. REMOVE AND INSTALL NEW 6" FIRE HYDRANT, REMOVE AND DISPOSE 6" DUCTILE IRON BURY, AND INSTALL A 6" STANDPIPE EXTENSION AND 6" DUCTILE IRON BURY TO RELOCATE FIRE HYDRANT ASSEMBLY AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. W-7 FOR MORE INFORMATION.
9. REMOVE AND INSTALL NEW 6" BLOW-OFF ASSEMBLY AND STEEL COVER, REMOVE AND DISPOSE 6" SPOOL/90 DEGREE ELBOW, AND INSTALL A 6" PIPE BLOW OFF RUN EXTENSION WITH NEW 90 DEGREE ELBOW AND 6" SPOOL TO RELOCATE 8" BLOW-OFF ASSEMBLY AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. RW-1 FOR MORE INFORMATION.
13. REMOVE AND INSTALL NEW 8" AIR RELEASE VALVE AND VACCUUM RELIEF ASSEMBLY AND VALVE ENCLOSURE, REMOVE AND DISPOSE 8" RISER/90 DEGREE BEND, AND INSTALL NEW 8" DUCTILE IRON PIPE EXTENSION WITH NEW 90 DEGREE BEND AND 8" RISER TO RELOCATE 8"AIR RELEASE VALVE AND VACCUUM RELIEF ASSEMBLY AND VALVE ENCLOSURE AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. W-17 FOR MORE INFORMATION.
14. COORDINATE WITH EMWD TO RELOCATE / ADJUST DIRECT BURIAL CABLE AND RECLAIMED WATER PEDESTAL.
15. ADUST TO GRADE BY SCG.
16. ADUST TO GRADE BY AT&T.
17. ADJUST TO GRADE BY SPECTRUM.
18. ADJUST TO GRADE BY SCE.
19. RELOCATE BY SCE.
20. GUY ANCHOR TO BE RELOCATED BY SOUTHER CALIFORNIA EDISON.
22. RELOCATE BY CROWN CASTLE.
23. REMOVE AND DISPOSE STEEL BOLLARD AND FOUNDATION.
27. REMOVE EXISTING ELECTRIC PULL BOX AND INSTALL NEW NON-TRAFFIC PULL BOX PER CALTRANS STANDARD PLAN ES-8A AND EXTEND CONDUIT AND CONDUCTORS TO NEW PULL BOX LOCATION, COORDINATE WITH POST OFFICE TO SCHEDULE TEMPORARY OUTAGE TO CIRCUIT SERVING FRONTAGE LIGHTS.
28. RELOCATE BY SPECTRUM.

ISSUED FOR BID

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ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

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PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

UTILITY PLAN

SHEET No. U-1 SHT-32 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_U-1 TO U-3.DWG 5/10/2024 3:04:30 PM

Plans Prepared On:5/10/24

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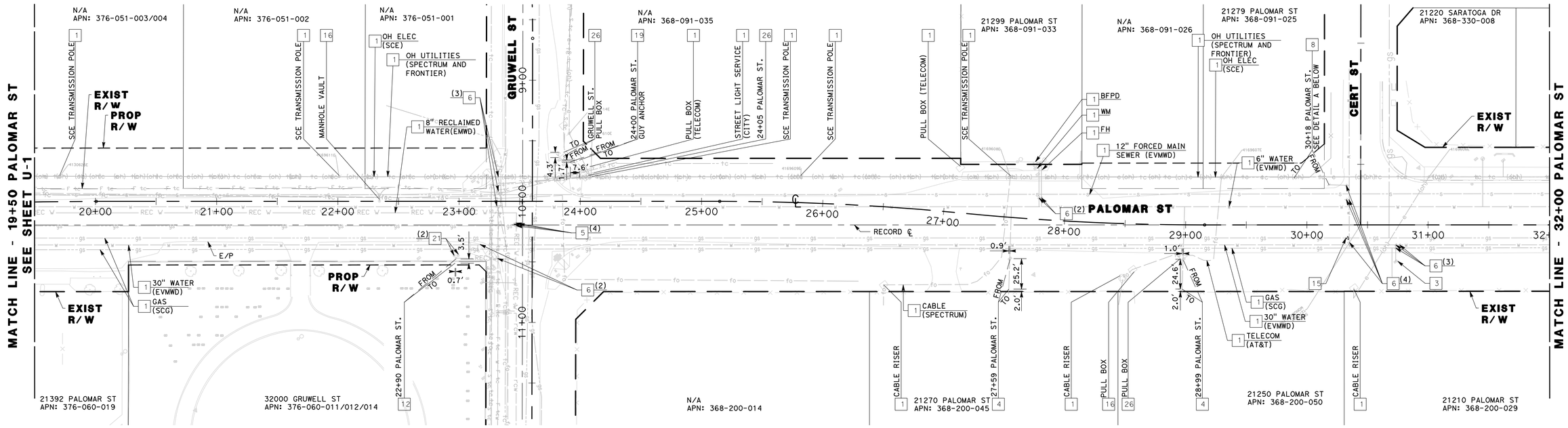

LEGEND

- GAS
- EMWD
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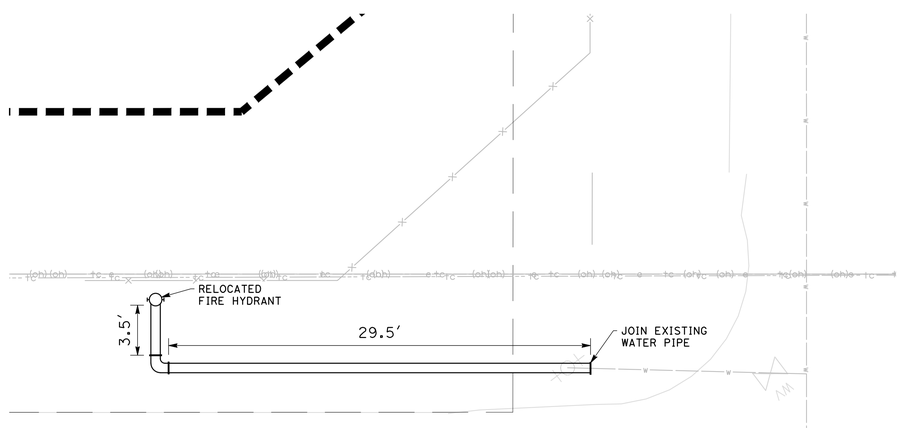

DETAIL A
NTS

UTILITY NOTES

1. PROTECT IN PLACE.
3. ADJUST METER BOX TO GRADE (EVMWD)
4. REMOVE WATER METER, METER BOX AND SERVICE TO CURB STOP AND INSTALL NEW 1" DOMESTIC WATER SERVICE PER EVMWD STANDARD DWG NO. W-9/RECONNECT TO EXISTING PRIVATE SERVICE, UTILITY TRENCH BACKFILL PER COUNTY OF RIVERSIDE STANDARD DWG. NO. 818.
5. ADJUST WATER VALVE CAN TO GRADE (EMWD).
6. ADJUST WATER VALVE CAN TO GRADE (EVMWD)
8. REMOVE AND INSTALL NEW 6" FIRE HYDRANT, REMOVE AND DISPOSE 6" DUCTILE IRON BURY, AND INSTALL A 6" STANDPIPE EXTENSION AND 6" DUCTILE IRON BURY TO RELOCATE FIRE HYDRANT ASSEMBLY AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. W-7 FOR MORE INFORMATION.
12. REMOVE AND INSTALL NEW 6" AIR RELEASE VALVE AND VACCUUM RELIEF ASSEMBLY AND VALVE ENCLOSURE, REMOVE AND DISPOSE 6" RISER/90 DEGREE BEND, AND INSTALL NEW 6" DUCTILE IRON PIPE EXTENSION WITH NEW 90 DEGREE BEND AND 6" RISER TO RELOCATE 6"AIR RELEASE VALVE AND VACCUUM RELIEF ASSEMBLY AND VALVE ENCLOSURE AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. W-17 FOR MORE INFORMATION.
15. ADUST TO GRADE BY SCG.
16. ADUST TO GRADE BY AT&T.
19. RELOCATE BY SCE.
21. REMOVE STEEL BOLLARD.
26. RELOCATE BY AT&T.

ABBREVIATIONS

R/W = RIGHT OF WAY

C&G = CURB AND GUTTER

S/W = SIDEWALK

E/P = EDGE OF PAVEMENT

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GRAPHIC SCALE
1" = 40'

ISSUED FOR BID

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CITY OF WILDOMAR
ACCEPTED BY: 7/8/2024 Date:
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

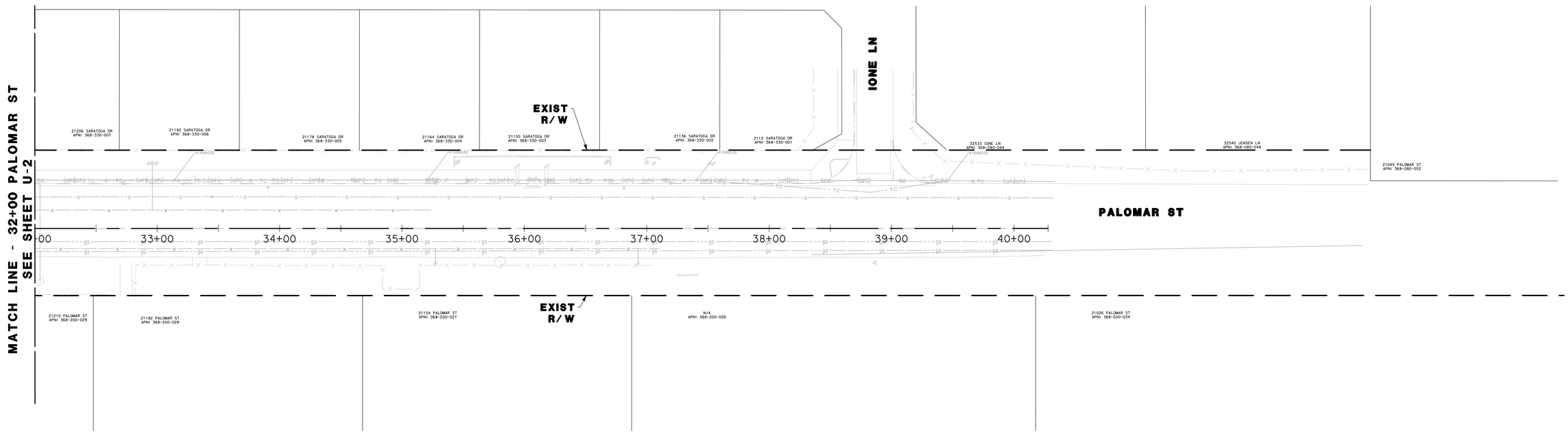
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

UTILITY PLAN

SHEET No. U-2 SHT-33 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_U-1 TO U-3.DWG 5/10/2024 3:04:30 PM

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



LEGEND

- GAS
- EMWD
- EVMWD
- RECYCLED WATER
- EVMCD SEWER
- AT&T
- SPECTRUM
- CROWN CASTLE FIBER OPTICS
- CROWN CASTLE AERIAL
- FRONTIER FIBER OPTICS
- FRONTIER
- SPECTRUM
- SOUTHERN CALIFORNIA EDISON
- WATER VALVE
- GAS VALVE
- STEEL BOLLARD
- GAS AIR VALVE/AIR RELEASE
- BLOW OFF
- MANHOLE
- POWER POLE
- IRRIGATION CONTROL VALVE
- FIRE DEPARTMENT CONNECTION
- WATER METER
- POWER POLE
- GAS VAULTS
- IRRIGATION VAULTS
- IRRIGATION VALVE
- INVERT LOCATION
- UTILITY POTHOLE LOCATION
- BACKFLOW PREVENTION
- FIRE HYDRANT

ABBREVIATIONS

R/W = RIGHT OF WAY

C&G = CURB AND GUTTER

S/W = SIDEWALK

E/P = EDGE OF PAVEMENT

NOTE TO CONTRACTOR

1. SEE SHEETS TS-1 TO TS-4 FOR TRAFFIC SIGNAL INFORMATION.
2. CONTRACTOR TO FIELD VERIFY LOCATION OF UTILITY RELOCATIONS NOTED HERE-IN WITH CITY ENGINEER PRIOR TO INSTALLATION OF RELOCATION IMPROVEMENTS.

0 20 40 80 120 160
GRAPHIC SCALE
1" = 40'

ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
UTILITY PLAN

SHEET No. U-3 SHT-34
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_U-1 TO U-3.DWG 5/10/2024 3:04:30 PM

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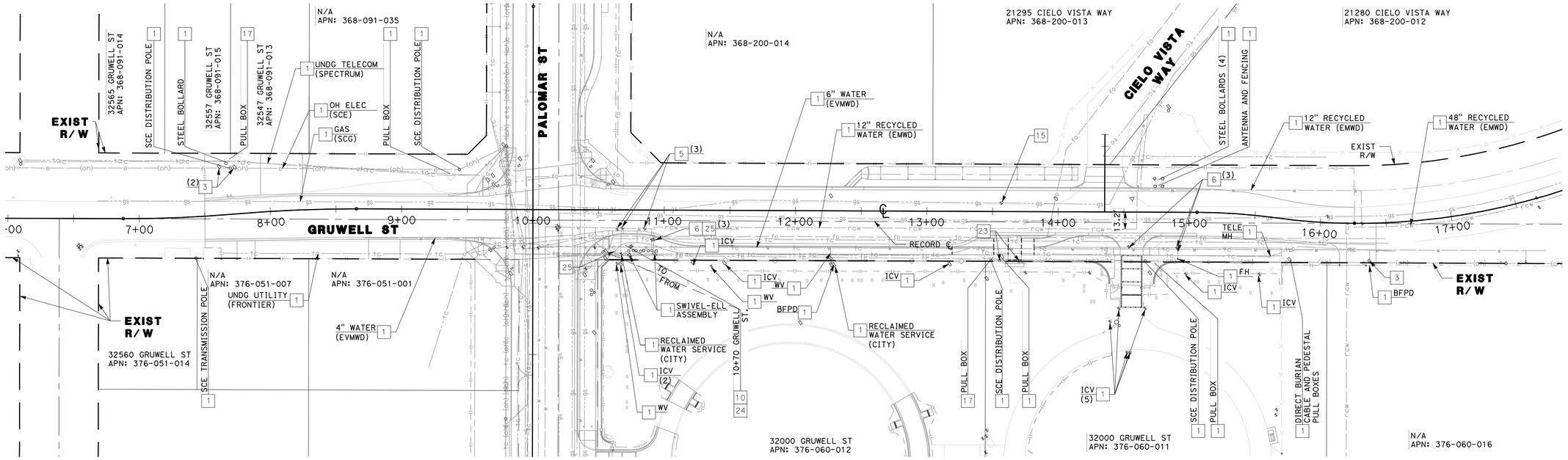

LEGEND

- GAS
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- EVMWD
- RECYCLED WATER
- EVMCD SEWER
- AT&T
- SPECTRUM
- CROWN CASTLE FIBER OPTICS
- CROWN CASTLE AERIAL
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- FRONTIER
- SPECTRUM
- SOUTHERN CALIFORNIA EDISON
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- STEEL BOLLARD
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- WATER METER
- POWER POLE
- GAS VAULTS
- IRRIGATION VAULTS
- IRRIGATION VALVE
- INVERT LOCATION
- UTILITY POTHOLE LOCATION
- BACKFLOW PREVENTION
- FIRE HYDRANT
- TRAFFIC SIGNAL POLE

ABBREVIATIONS

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UTILITY NOTES

1. PROTECT IN PLACE.
3. ADJUST METER BOX TO GRADE (EVMWD)
5. ADJUST WATER VALVE CAN TO GRADE (EMWD).
6. ADJUST WATER VALVE CAN TO GRADE (EVMWD)
10. REMOVE AND INSTALL NEW 8" BLOW-OFF ASSEMBLY AND STEEL COVER, REMOVE AND DISPOSE 8" SPOOL/90 DEGREE ELBOW, AND INSTALL A 8" PIPE BLOW OFF RUN EXTENSION WITH NEW 90 DEGREE ELBOW AND 8" SPOOL TO RELOCATE 8" BLOW-OFF ASSEMBLY AS NOTED IN PLANS. REFER TO EVMWD STD. DWG. RW-1 FOR MORE INFORMATION.
15. ADUST TO GRADE BY SCG.
17. ADJUST TO GRADE BY SPECTRUM.
23. REMOVE AND DISPOSE STEEL BOLLARD AND FOUNDATION.
24. REMOVE AND DISPOSE PCC CONCRETE PAD AROUND UTILITY.
25. ADJUST IRRIGATION CONTROL VALVE BOX TO GRADE.

NOTE TO CONTRACTOR

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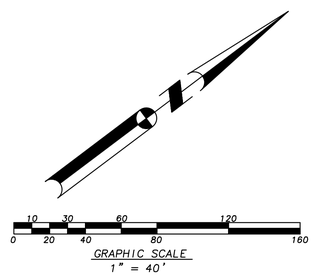
2. CONTRACTOR TO FIELD VERIFY LOCATION OF UTILITY RELOCATIONS NOTED HERE-IN WITH CITY ENGINEER PRIOR TO INSTALLATION OF RELOCATION IMPROVEMENTS.



ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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ENGINEER				CITY	

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CITY OF WILDOMAR
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UTILITY PLAN

SHEET No. U-4 SHT-35
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_U-4.DWG 5/10/2024 2:59:29 PM

Plans Prepared On:4/23/24

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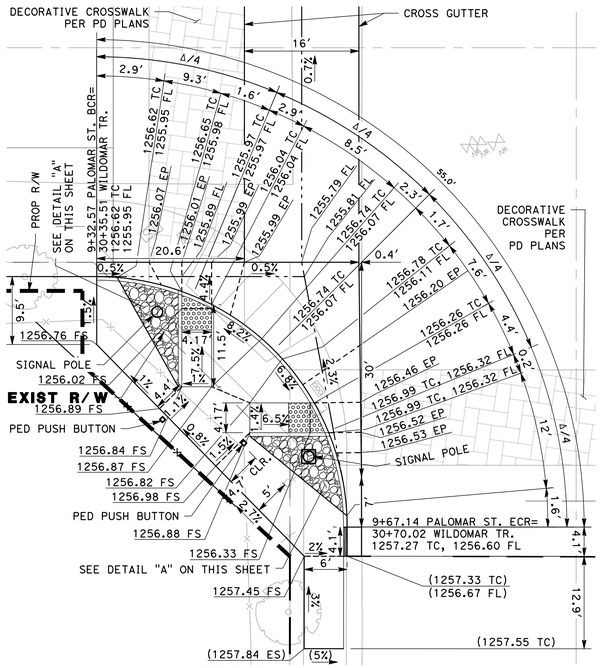
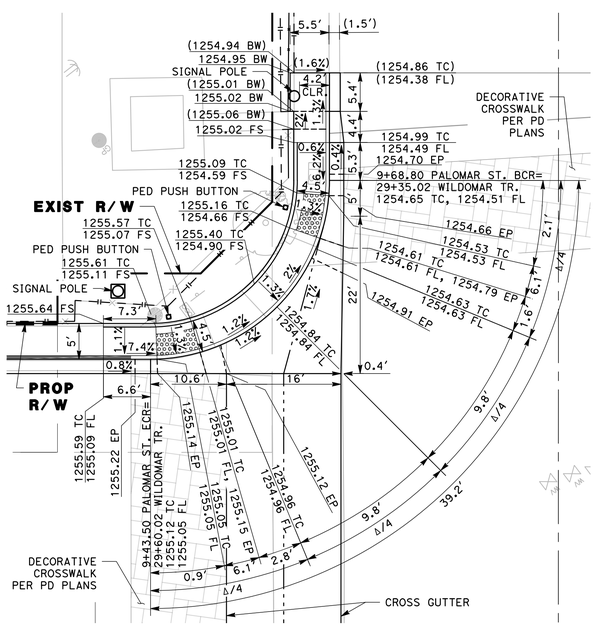
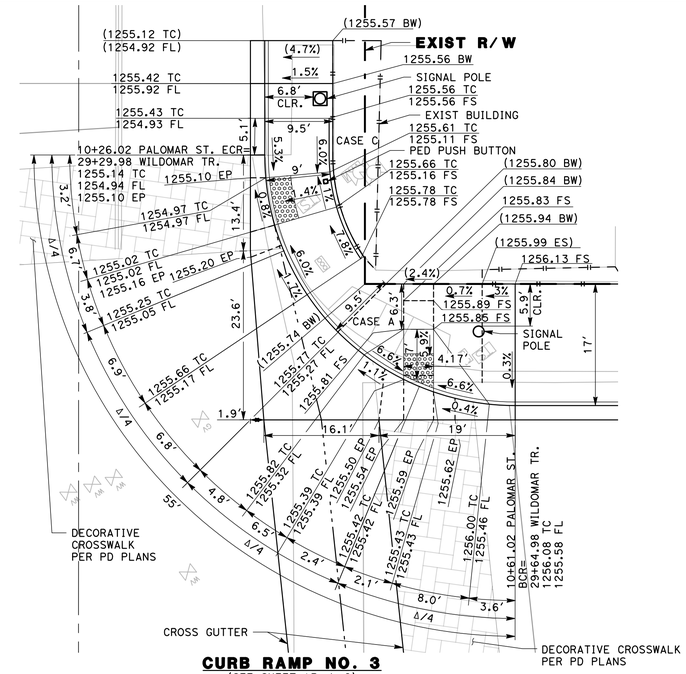


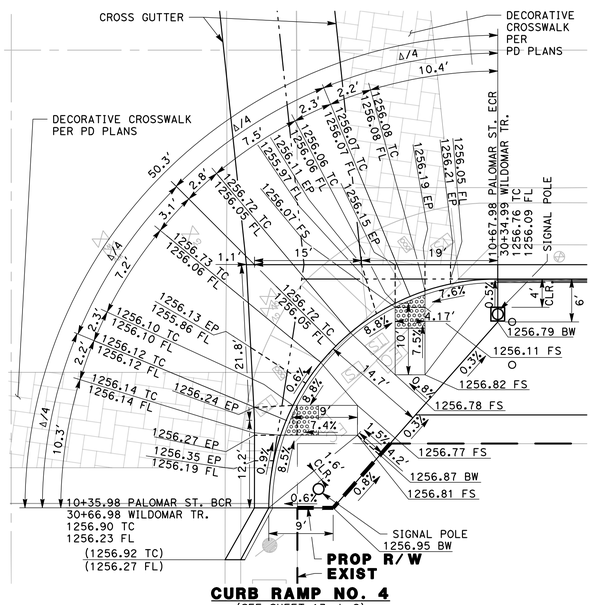
CURB RAMP NO. 1
(SEE SHEET 13, L-2)
SCALE: 1" = 10', AREA = 620 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE G, DETAIL "A" ON THIS SHEET)



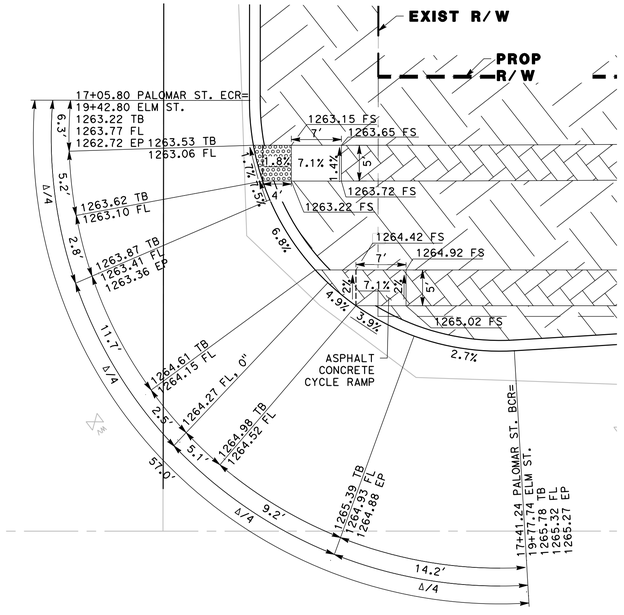
CURB RAMP NO. 2
(SEE SHEET 13, L-2)
SCALE: 1" = 10'
AREA = 235 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE C)



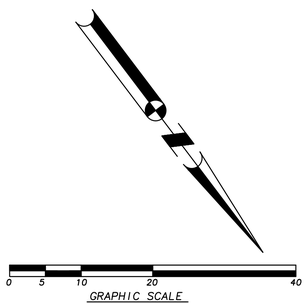
CURB RAMP NO. 3
(SEE SHEET 13, L-2)
SCALE: 1" = 10'
AREA = 565 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASES A, CASE C)

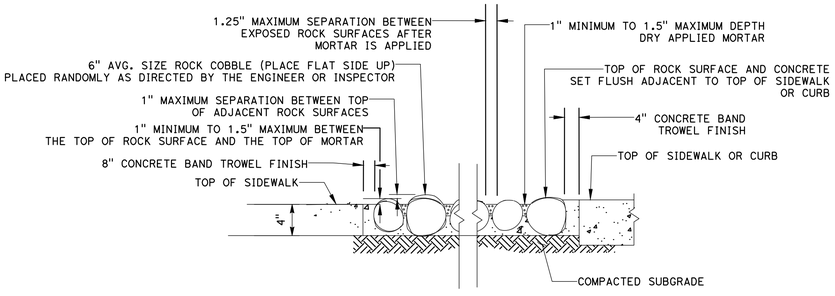


CURB RAMP NO. 4
(SEE SHEET 13, L-2)
SCALE: 1" = 10'
AREA = 485 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE A)



CURB RAMP NO. 5
(SEE SHEET 15, L-4)
SCALE: 1" = 10'
AREA = 155 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A





DETAIL "A"
NON-WALKABLE SURFACE (ROCK COBBLE)
NTS
SEE THIS SHEET

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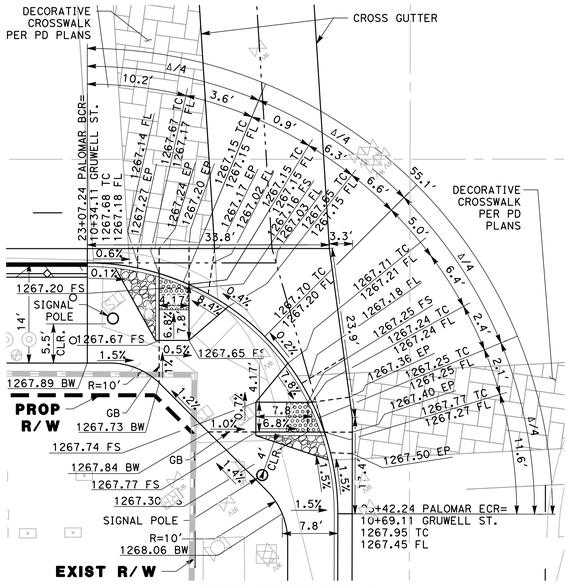
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CURB RAMP & DRIVEWAY DETAILS

SHEET No. CR-1 SHT-36
OF 80 SHTS

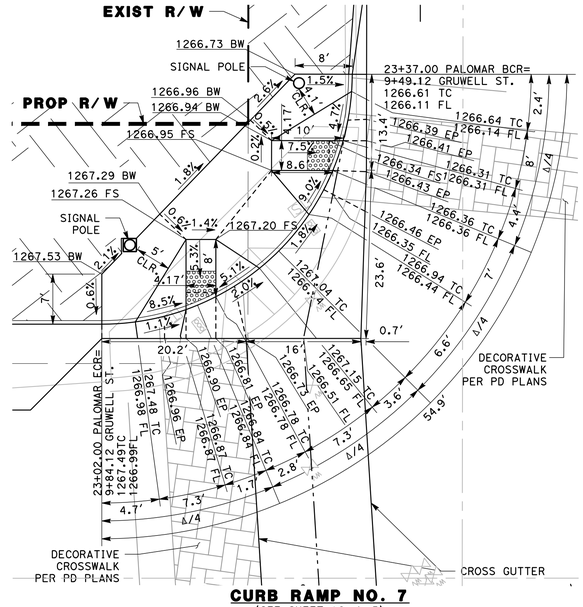
J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_CR-1.DWG 4/23/2024 6:17:24 PM

Plans Prepared On:4/22/24

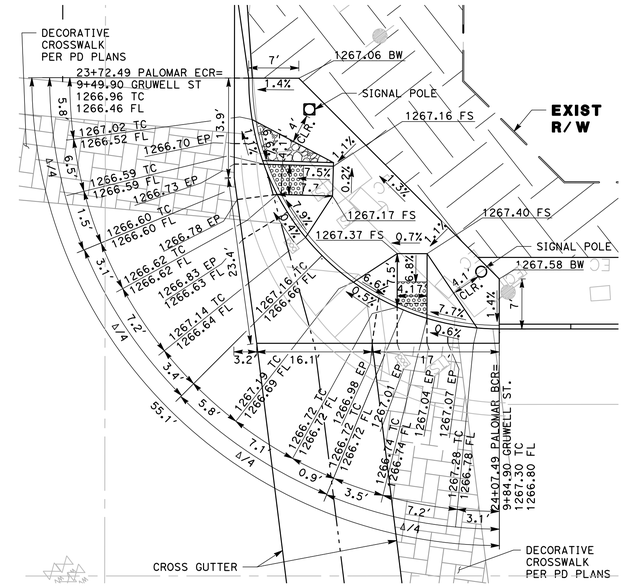
DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



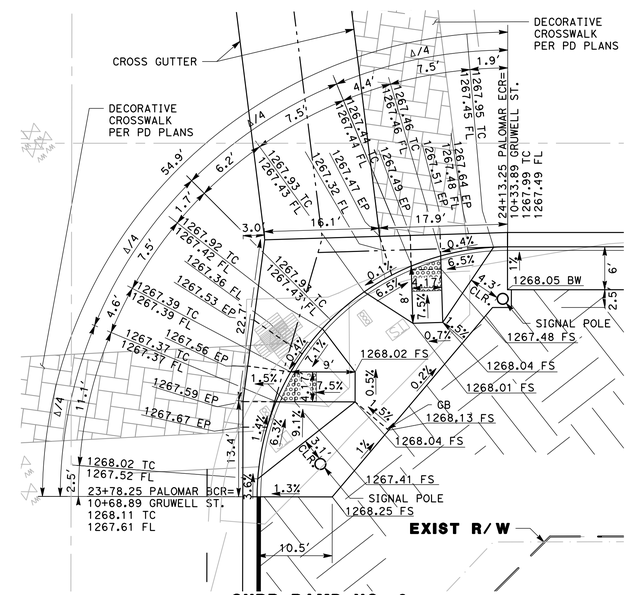
CURB RAMP NO. 6
(SEE SHEET 16, L-5)
SCALE: 1" = 10'
AREA = 570 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE G)



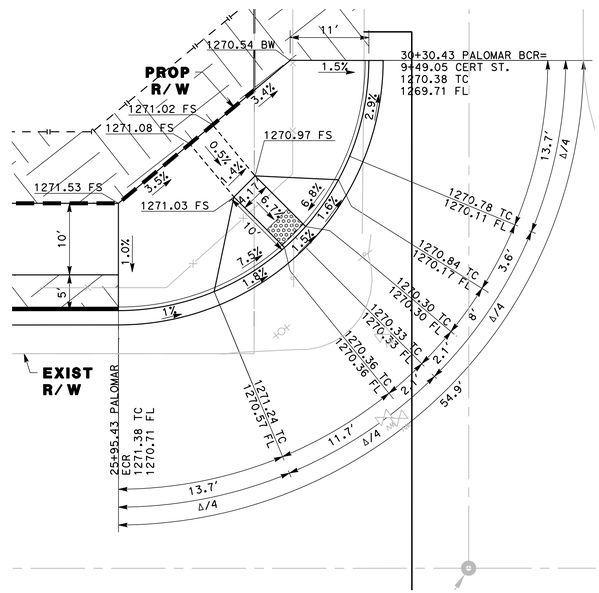
CURB RAMP NO. 7
(SEE SHEET 16, L-5)
SCALE: 1" = 10'
AREA = 560 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE A)



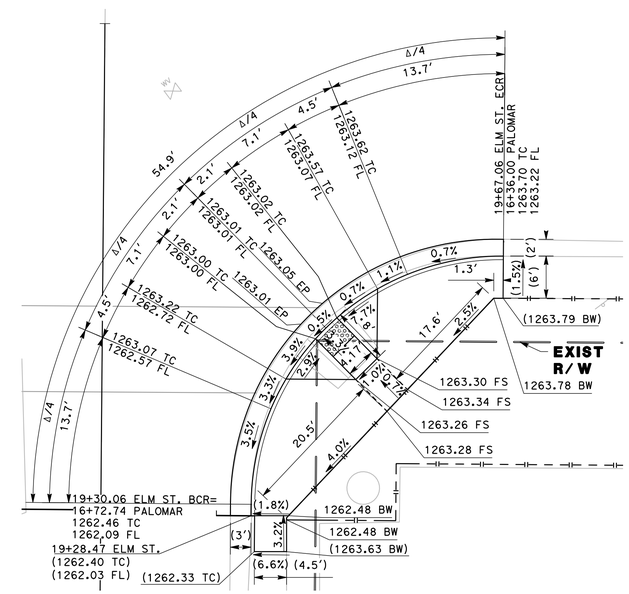
CURB RAMP NO. 8
(SEE SHEET 16, L-5)
SCALE: 1" = 10'
AREA = 520 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE A, CASE G, SEE DETAIL "A" ON SHEET CR-1)



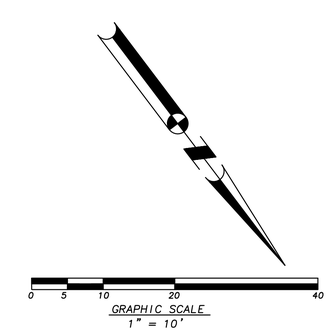
CURB RAMP NO. 9
(SEE SHEET 16, L-5)
SCALE: 1" = 10'
AREA = 585 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE A)



CURB RAMP NO. 10
(SEE SHEET 18, L-7)
SCALE: 1" = 10'
AREA = 724 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE A)



CURB RAMP NO. 23
(SEE SHEET 14 & 15, L-3 & L-4)
SCALE: 1" = 10'
AREA = 530 SF
FOR MORE INFORMATION REFER
CALTRANS STD A88A (CASE A)



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CURB RAMP & DRIVEWAY DETAILS

SHEET No. CR-2 SHT-37
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_CR-2.DWG 4/30/2024 1:55:30 PM

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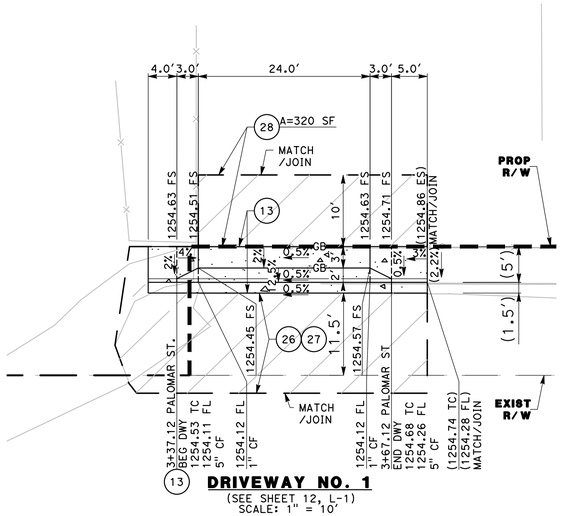
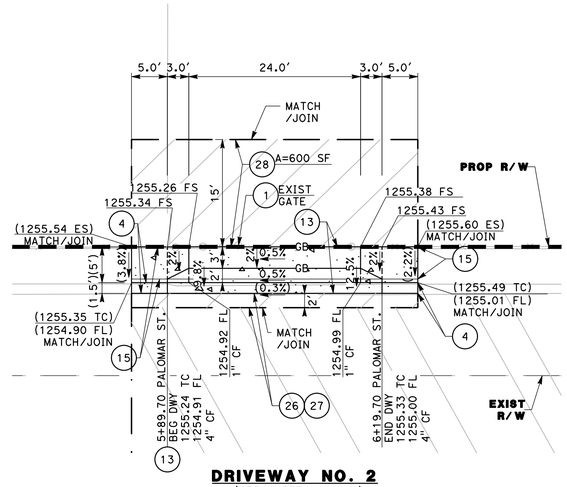
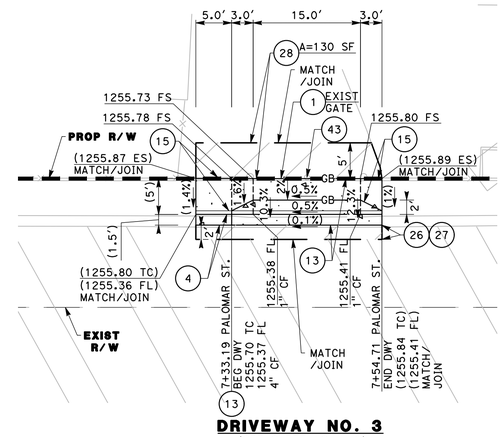
DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



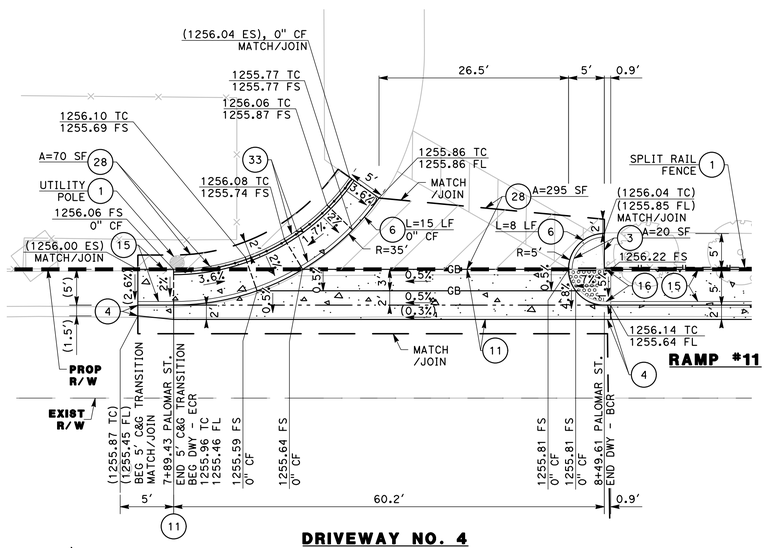
DRIVEWAY NO. 1
(SEE SHEET 12, L-1)
SCALE: 1" = 10'
AREA = 175 SF
FOR MORE INFORMATION REFER TO
SPPWC STD. 110-2, CASE B



DRIVEWAY NO. 2
(SEE SHEET 12, L-1)
SCALE: 1" = 10'
AREA = 175 SF
FOR MORE INFORMATION REFER TO
SPPWC STD. 110-2, CASE B



DRIVEWAY NO. 3
(SEE SHEET 12, L-1)
SCALE: 1" = 10'
AREA = 115 SF
FOR MORE INFORMATION REFER TO
SPPWC STD. 110-2, CASE B



DRIVEWAY NO. 4
(SEE SHEET 13, L-2)
SCALE: 1" = 10'
AREA = 355 SF
FOR MORE INFORMATION REFER TO
RIVERSIDE COUNTY STD NO. 207A

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
13. CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
33. INSTALL ADA ACCESS WALKWAY WITH METAL RAILING AND CURB PER DETAIL 9 ON SHEET 5, C-2.
43. INSTALL CENTER STOP FOR GATE DROP ROD.

NOTE TO CONTRACTOR

1. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
2. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
3. REFER TO STANDARD PLANS FOR PUBLIC WORKS CONSTRUCITON STANDARD NUMBER 111-5, CASE D TYPE 1 FOR ADDITIONAL INFORMATION, INCLUDING INSTALLATION OF TRUNCATED DOMES.

0 5 10 20 40
GRAPHIC SCALE
1" = 10'

ISSUED FOR BID

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-422-4133
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER
KIMBERLY BARLING
No. C92279
Exp. 06/30/25
CIVIL
STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE:
H: As Noted V: As Noted

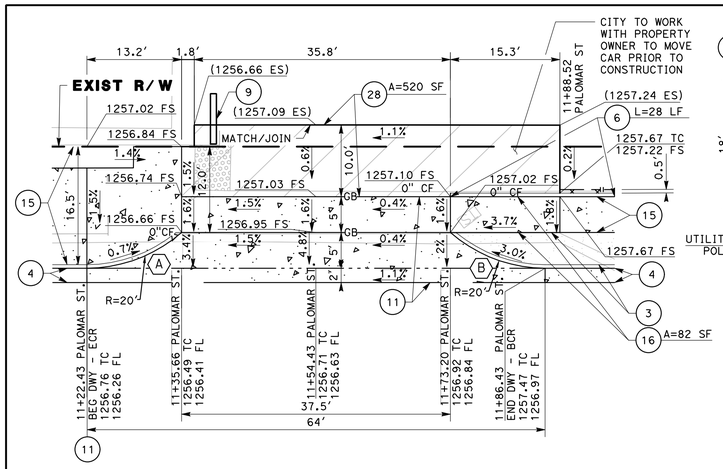
PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CURB RAMP & DRIVEWAY DETAILS

SHEET No.
CR-3
SHT-38
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_CR-3.DWG 4/23/2024 6:08:08 PM

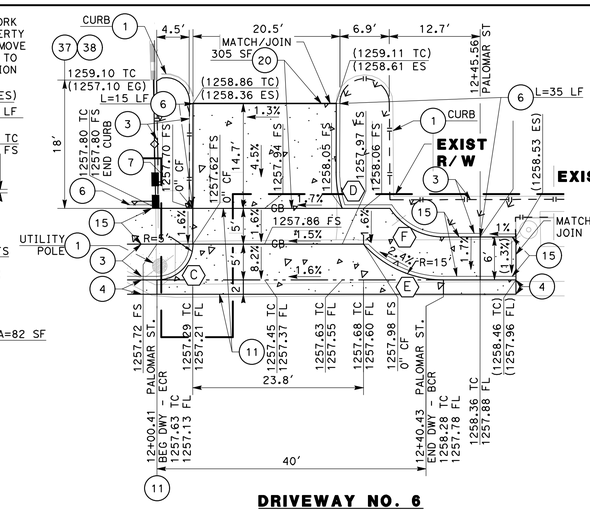
Plans Prepared On:4/23/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



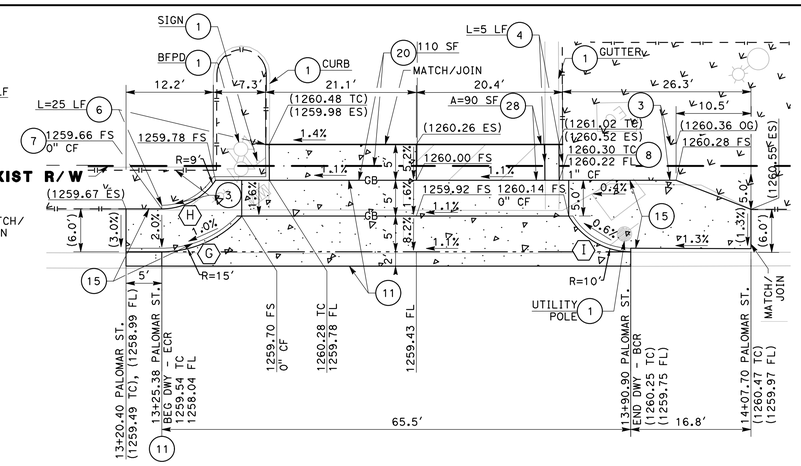
DRIVEWAY NO. 5

(SEE SHEET 13, L-2)
SCALE: 1" = 10'
AREA = 565 SF
FOR MORE INFORMATION REFER TO RIVERSIDE COUNTY STD NO. 207A



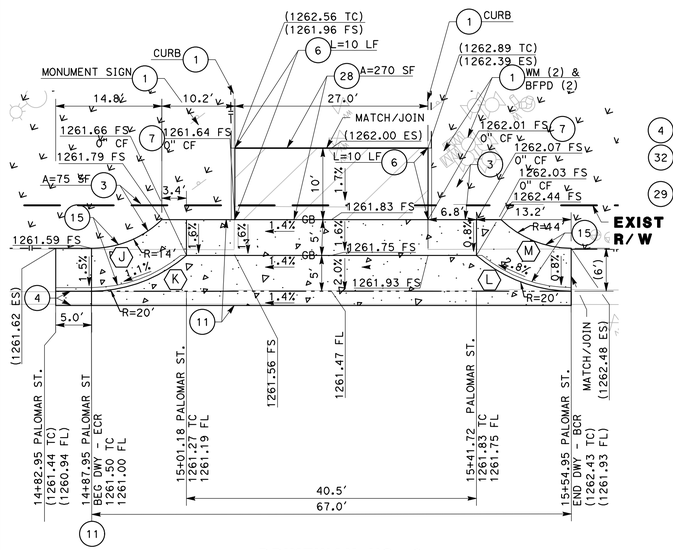
DRIVEWAY NO. 6

(SEE SHEET 14, L-3)
SCALE: 1" = 10'
AREA = 270 SF
FOR MORE INFORMATION REFER TO RIVERSIDE COUNTY STD NO. 207A



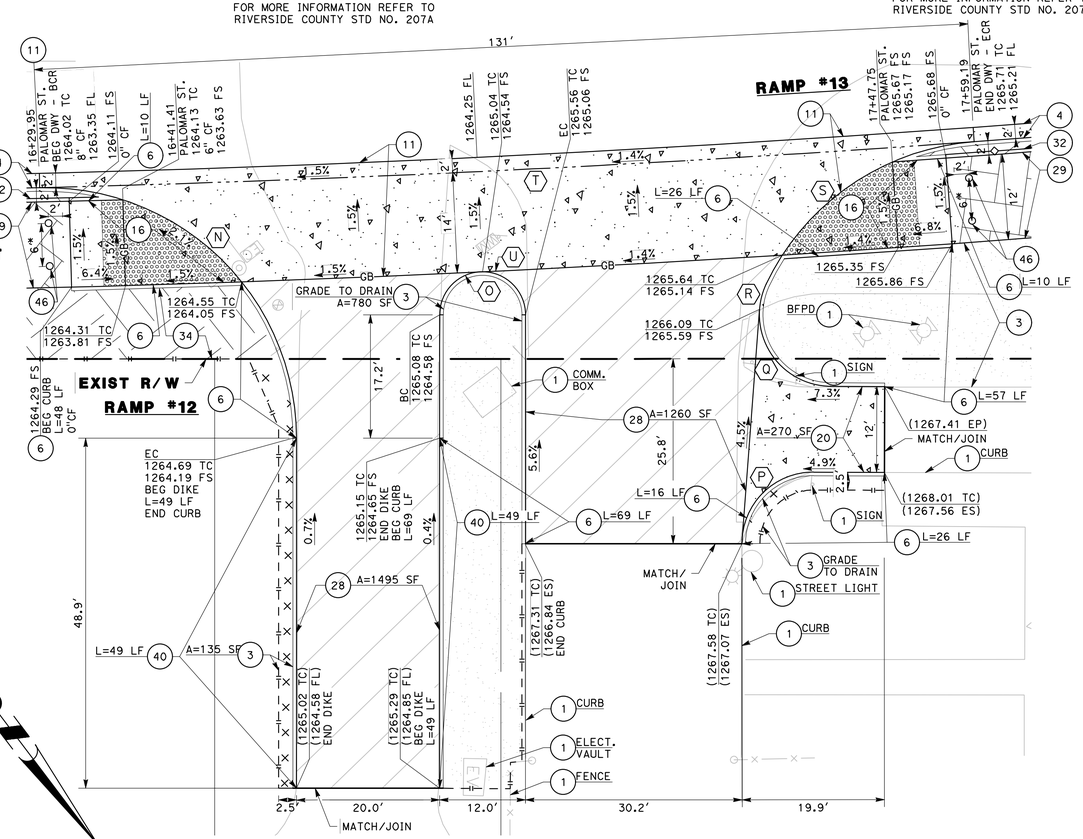
DRIVEWAY NO. 7

(SEE SHEET 14, L-3)
SCALE: 1" = 10'
AREA = 725 SF
FOR MORE INFORMATION REFER TO RIVERSIDE COUNTY STD NO. 207A



DRIVEWAY NO. 8

(SEE SHEET 14, L-3)
SCALE: 1" = 10'
AREA = 610 SF
FOR MORE INFORMATION REFER TO RIVERSIDE COUNTY STD NO. 207A



DRIVEWAY NO. 9

(SEE SHEET 14 & 15, L-3 & L-4)
SCALE: 1" = 10'
AREA = 1555 SF
FOR MORE INFORMATION REFER TO RIVERSIDE COUNTY STD NO. 207A

GRAPHIC SCALE 1" = 10'

CURVE DATA

No. X	R	Δ	T	L
A	20.00'	41°24'35"	7.56'	14.45'
B	20.00'	41°24'35"	7.56'	14.45'
C	5.00'	89°50'42"	4.99'	7.84'
D	15.00'	19°37'34"	2.59'	5.14'
E	15.00'	48°11'23"	6.71'	12.62'
F	9.00'	56°15'04"	4.81'	8.84'
G	15.00'	48°11'23"	6.71'	12.62'
H	9.00'	56°15'04"	4.81'	8.84'
I	10.00'	60°00'00"	5.77'	10.47'
J	14.00'	44°24'55"	5.72'	10.85'
K	20.00'	41°24'35"	7.56'	14.45'
L	20.00'	41°24'35"	7.56'	14.45'
M	14.00'	44°24'55"	5.72'	10.85'
N	35.00'	91°27'13"	35.90'	55.87'
O	6.00'	180°00'00"	INFINITY'	18.85'
P	10.00'	90°13'12"	10.04'	15.75'
Q	10.00'	94°04'13"	10.74'	16.42'
R	10.00'	21°10'14"	1.87'	3.69'
S	35.00'	60°22'51"	20.36'	36.88'
T	2770.08'	2°42'17"	65.40'	130.77'
U	2784.08'	1°33'25"	37.83'	75.65'

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
7. CONSTRUCT 6" TO 0" PCC CURB TRANSITION PER DETAIL 1 ON SHEET 4, C-1.
8. CONSTRUCT 6" TO 1" PCC CURB AND GUTTER TRANSITION PER DETAIL 2 ON SHEET 4, C-1. (UNLESS OTHERWISE NOTED ON PLANS)
9. INSTALL WHEEL STOP PER DETAIL 3 ON SHEET 4, C-1
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
20. CONSTRUCT 6" THICK PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE.
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
29. CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
32. CONSTRUCT MULTI-USE TRAIL FENCING PER DETAIL 14 ON SHEET 5, C-2.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
37. INSTALL 4' HIGH DECORATIVE WROUGHT IRON FENCE, STYLE TO MATCH EXISTING AND POWDER COATED BLACK WITH MINIMUM 12" DIAMETER AND 18" DEEP FOOTINGS.
38. CONSTRUCT PCC RETAINING CURB PER DETAIL 11 ON SHEET 4, C-1.
40. CONSTRUCT 6" AC DIKE PER RIVERSIDE COUNTY STD NO. 212.
46. INSTALL REMOVABLE BOLLARD PER DETAIL 3 ON SHEET 69, SD-3.

NOTE TO CONTRACTOR

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2. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
3. REFER TO STANDARD PLANS FOR PUBLIC WORKS CONSTRUCITON STANDARD NUMBER 111-5, CASE D TYPE 1 FOR ADDITIONAL INFORMATION, INCLUDING INSTALLATION OF TRUNCATED DOMES.

* DENOTES CENTER BOLLARD SPACING ON TRAIL.

ISSUED FOR BID

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING No. C92279 Exp. 06/30/25 CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

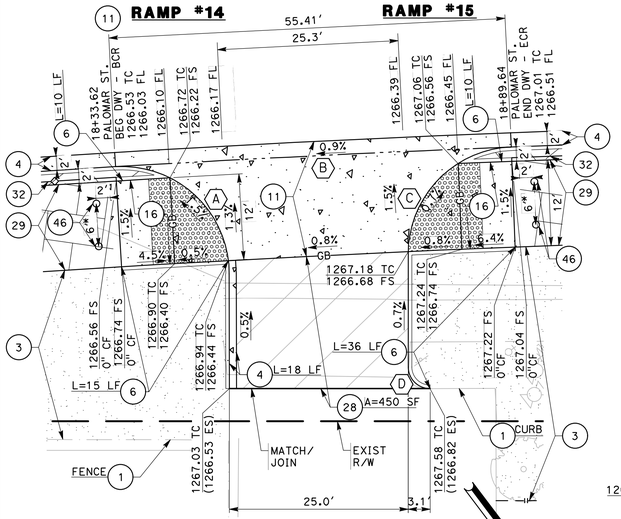
PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CURB RAMP & DRIVEWAY DETAILS

SHEET No. CR-4 SHT-39 OF 80 SHTS

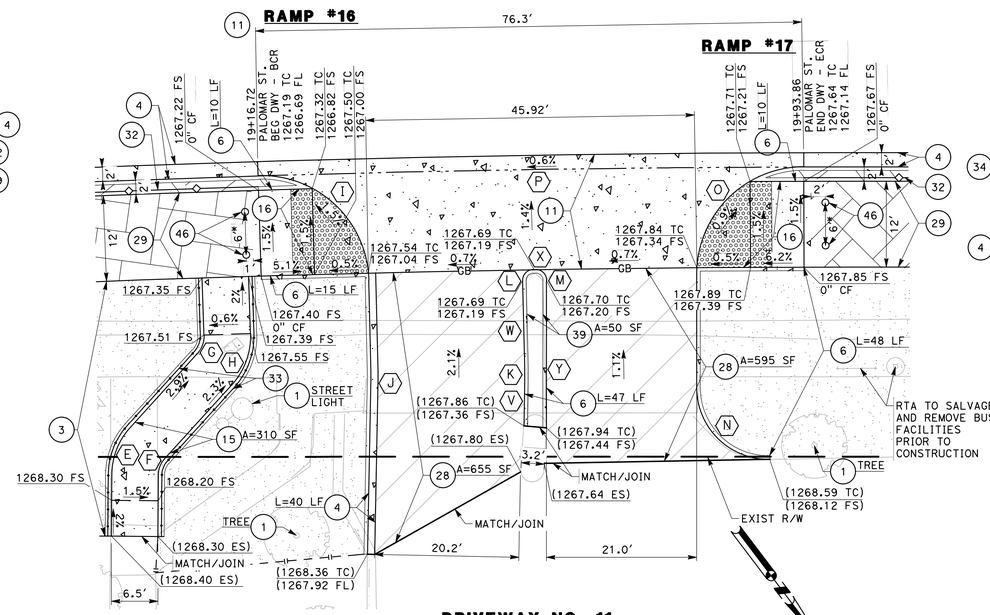
J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_CR-4.DWG 5/15/2024 9:19:08 AM

Plans Prepared On:5/14/24

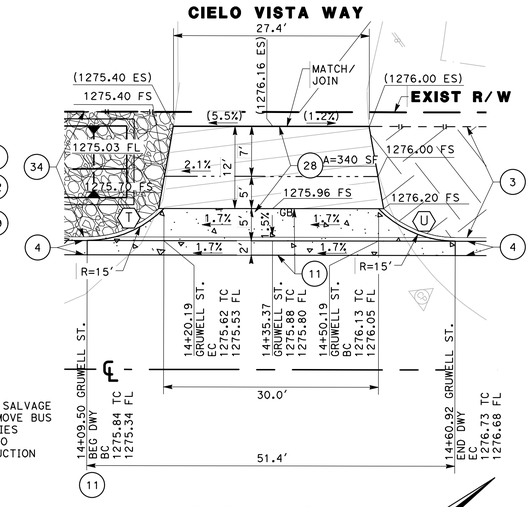
DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



DRIVEWAY NO. 10
(SEE SHEET 15, L-4)
SCALE: 1" = 10'
AREA = 560 SF
FOR MORE INFORMATION REFER
RIVERSIDE COUNTY STD NO. 207A



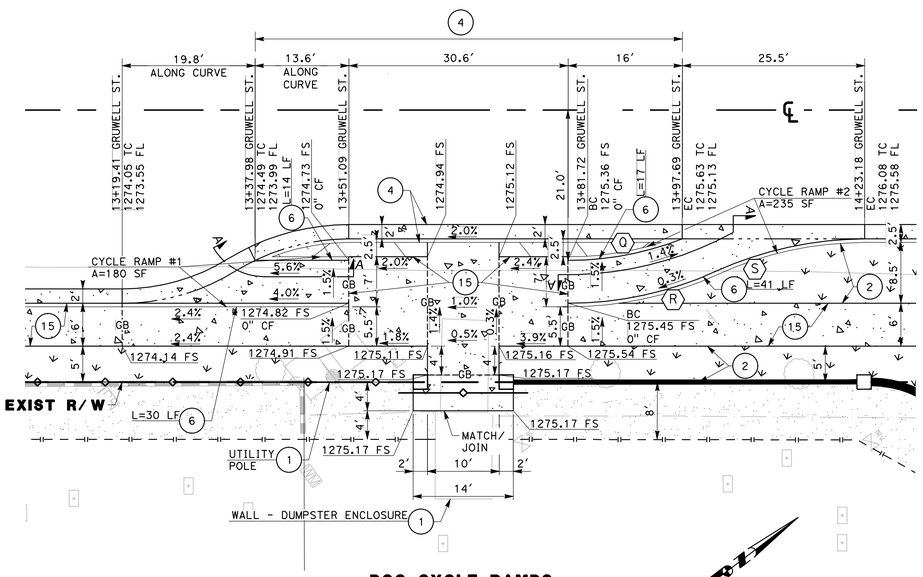
DRIVEWAY NO. 11
(SEE SHEET 15, L-4)
SCALE: 1" = 10'
AREA = 895 SF
FOR MORE INFORMATION REFER
RIVERSIDE COUNTY STD NO. 207A



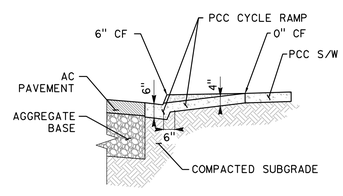
DRIVEWAY NO. 14
(SEE SHEET 20 AND 21, L-9 AND L-10)
SCALE: 1" = 10'
AREA = 280 SF
FOR MORE INFORMATION REFER
SPPWC STD. 110-2, CASE B

CURVE DATA

No. X	R	Δ	T	L
A	15.00'	93°24'50"	15.92'	24.46'
B	2770.08'	1°08'43"	27.69'	55.37'
C	15.00'	87°43'53"	14.42'	22.97'
D	3.00'	91°17'50"	3.07'	4.78'
E	9.75'	41°45'30"	3.72'	7.11'
F	3.25'	41°45'30"	1.24'	2.37'
G	3.75'	44°07'03"	1.52'	2.89'
H	10.25'	44°07'03"	4.15'	7.89'
I	15.00'	90°18'43"	15.08'	23.64'
J	28.50'	2°33'04"	0.63'	1.27'
K	50.00'	2°33'04"	1.11'	2.23'
L	1.50'	90°28'55"	1.51'	2.37'
M	1.50'	90°55'17"	1.52'	2.38'
N	10.00'	91°07'50"	10.20'	15.91'
O	15.00'	89°51'43"	14.96'	23.53'
P	2770.08'	1°34'37"	38.13'	76.25'
Q	44.00'	21°16'48"	8.27'	16.34'
R	50.00'	24°29'41"	10.85'	21.38'
S	50.00'	24°29'41"	10.85'	21.38'
T	15.00'	45°34'23"	6.30'	11.93'
U	15.00'	45°34'23"	6.30'	11.93'



PCC CYCLE RAMPS
(SEE SHEET 20, L-9)
SCALE: 1" = 10'
AREA PER DETAIL ABOVE



SECTION A-A
CYCLE RAMP
NTS

LINE TABLE

LINE #	LENGTH	DIRECTION
V	5.93'	N38°14'38"E
W	12.13'	S35°41'34"W
X	0.32'	N53°49'31"W
Y	20.59'	S37°05'46"W

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
2. GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
13. CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
29. CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
32. CONSTRUCT MULTI-USE TRAIL FENCING PER DETAIL 14 ON SHEET 5, C-2.
33. INSTALL ADA ACCESS WALKWAY WITH METAL RAILING AND CURB PER DETAIL 9 ON SHEET 5, C-2.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
39. CONSTRUCT 4" THICK PCC MEDIAN SURFACE OVER 12" COMPACTED SUBGRADE, CONTRACTOR TO MATCH EXISTING AESTHETICS.
46. INSTALL REMOVABLE BOLLARD PER DETAIL 3 ON SHEET 69, SD-3.

NOTE TO CONTRACTOR

1. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
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3. REFER TO STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION STANDARD NUMBER 111-5, CASE D TYPE 1 FOR ADDITIONAL INFORMATION, INCLUDING INSTALLATION OF TRUNCATED DOMES.

* DENOTES CENTER BOLLARD SPACING ON TRAIL.

0 5 10 20 40
GRAPHIC SCALE
1" = 10'

ISSUED FOR BID

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR — Est. 1886 Inc. 2008 — Tradition ~ Opportunity ~ Progress

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

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BENCHMARK:
Elevation = 1255.326'
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SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

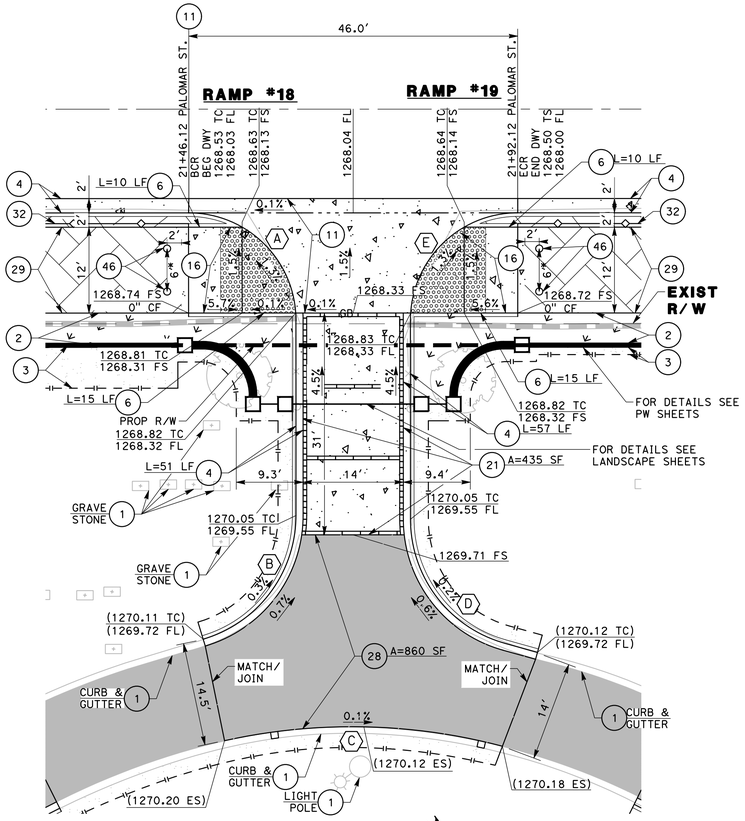
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CURB RAMP & DRIVEWAY DETAILS

SHEET No. CR-5 SHT-40
OF 80 SHTS

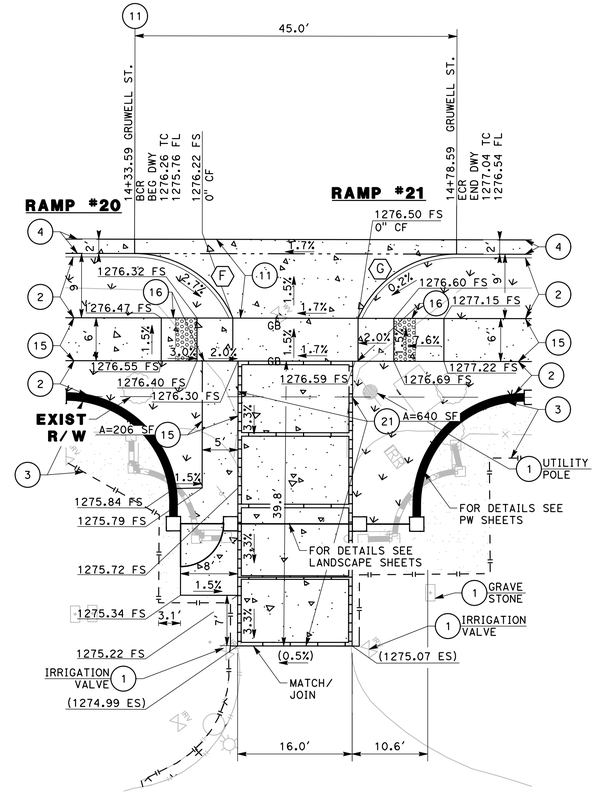
J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_CR-5.DWG 5/14/2024 3:30:22 PM

Plans Prepared On:5/14/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



DRIVEWAY NO. 12
(SEE SHEET 16, L-5)
SCALE: 1" = 10'
AREA = 435 SF
FOR MORE INFORMATION REFER
RIVERSIDE COUNTY STD NO. 207A



DRIVEWAY NO. 13
(SEE SHEETS 20 AND 21, L-9 AND L-10)
SCALE: 1" = 10'
AREA = 440 SF
FOR MORE INFORMATION REFER
RIVERSIDE COUNTY STD NO. 207A

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
2. GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
21. CONSTRUCT 6" THICK DECORATIVE PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE, REFER TO LANDSCAPE PLANS FOR AESTHETICS.
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
29. CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
32. CONSTRUCT MULTI-USE TRAIL FENCING PER DETAIL 14 ON SHEET 5, C-2.
46. INSTALL REMOVABLE BOLLARD PER DETAIL 3 ON SHEET 69, SD-3.

NOTE TO CONTRACTOR

1. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
2. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
3. REFER TO STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION STANDARD NUMBER 111-5, CASE D TYPE 1 FOR ADDITIONAL INFORMATION, INCLUDING INSTALLATION OF TRUNCATED DOMES.

* DENOTES CENTER BOLLARD SPACING ON TRAIL.

CURVE DATA

No. X	R	Δ	T	L
A	15.00′	90°00′00"	15.00′	23.56′
B	17.50′	73°04′19"	12.97′	22.32′
C	82.23′	27°18′58"	19.98′	39.21′
D	17.50′	74°29′02"	13.30′	22.75′
E	15.00′	90°00′00"	15.00′	23.56′
F	15.00′	66°25′19"	9.82′	17.39′
G	15.00′	66°25′19"	9.82′	17.39′

0 5 10 20 40
GRAPHIC SCALE
1" = 10'

ISSUED FOR BID

DIGALERT
DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-422-4133
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date 4/18/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER
KIMBERLY BARLING
No. C92279
Exp. 06/30/25
CIVIL
STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CURB RAMP & DRIVEWAY DETAILS

SHEET No. CR-6 SHT-41
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_CR-6.DWG 4/23/2024 5:58:47 PM

Plans Prepared On:4/22/24

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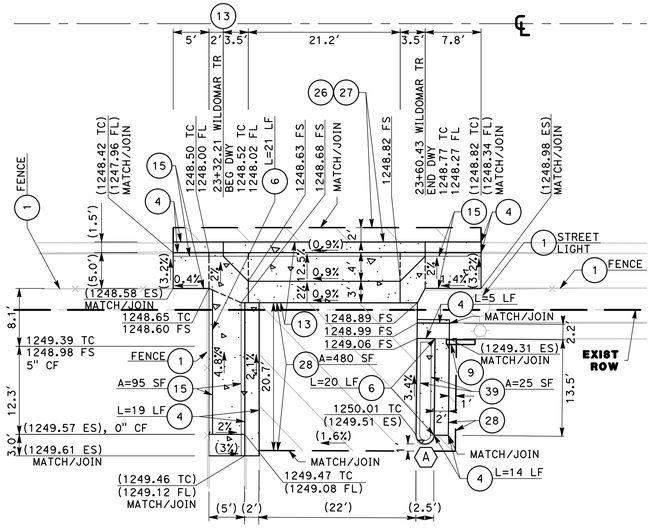
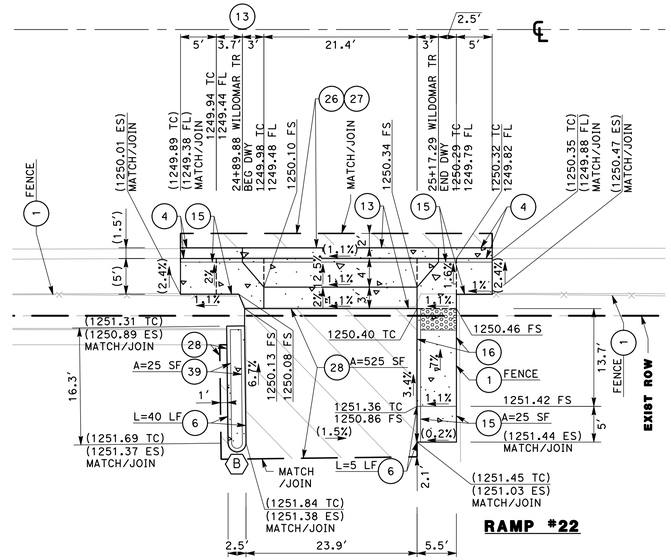
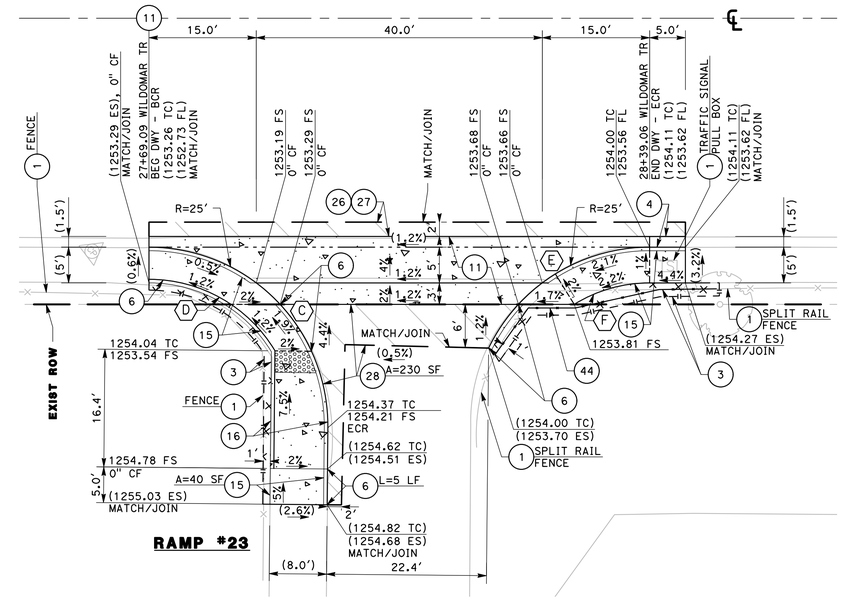


DRIVEWAY NO. 15
(SEE SHEET 22, L-11)
SCALE: 1" = 10′
AREA = 210 SF
FOR MORE INFORMATION REFER TO
SPPWC STD. 110-2, CASE B



RAMP #22

DRIVEWAY NO. 16
(SEE SHEET 22, L-11)
SCALE: 1" = 10′
AREA = 205 SF
FOR MORE INFORMATION REFER TO
SPPWC STD. 110-2, CASE B



RAMP #23

DRIVEWAY NO. 17
(SEE SHEET 22, L-11)
SCALE: 1" = 10′
AREA = 480 SF
FOR MORE INFORMATION REFER TO
RIVERSIDE COUNTY STD NO. 207A

CURVE TABLE

No. X	R	Δ	T	L
A	1.25′	180°00′00"	INFINITY′	3.93′
B	1.25′	180°00′00"	INFINITY′	3.93′
C	25.00′	90°32′50"	25.24′	39.51′
D	20.50′	59°09′33"	11.64′	21.17′
E	25.00′	47°09′23"	10.91′	20.58′
F	20.00′	31°47′18"	5.69′	11.10′

CONSTRUCTION NOTES

1. PROTECT IN PLACE.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
9. INSTALL WHEEL STOP PER DETAIL 3 ON SHEET 4, C-1
11. CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.
13. CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
28. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
39. CONSTRUCT 4" THICK PCC MEDIAN SURFACE OVER 12" COMPACTED SUBGRADE, CONTRACTOR TO MATCH EXISTING AESTHETICS.
44. INSTALL SPLIT RAIL VINYL FENCE TO MATCH EXISTING, EMBED LINE POSTS IN A MINIMUM OF 12" DIAMETER PCC CONCRETE FOOTING (3,000 PSI 28 DAY COMPRESSIVE STRENGTH), 24" MINIMUM DEPTH AND AT A SPACING OF 8′ MAXIMUM.

NOTE TO CONTRACTOR

1. SEE SHEETS U-1 TO U-4 FOR UTILITY LINE AND APPURTENANCE INFORMATION.
2. SEE SHEETS S-1 TO S-2 FOR SIGNING INFORMATION.
3. REFER TO STANDARD PLANS FOR PUBLIC WORKS CONSTRUCITON STANDARD NUMBER 111-5, CASE D TYPE 1 FOR ADDITIONAL INFORMATION, INCLUDING INSTALLATION OF TRUNCATED DOMES.

GRAPHIC SCALE
1" = 10′
0 5 10 20 40

ISSUED FOR BID

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326′
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

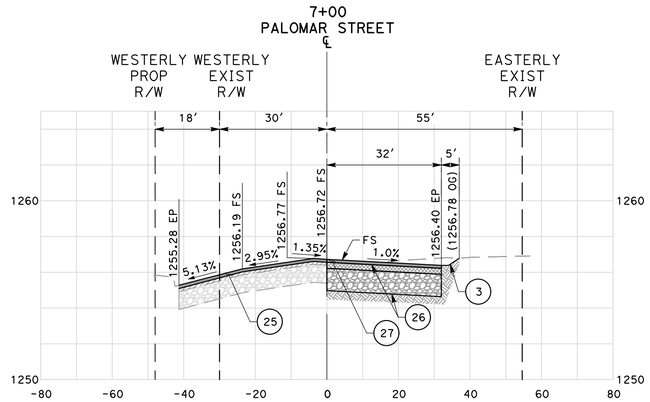
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CURB RAMP & DRIVEWAY DETAILS

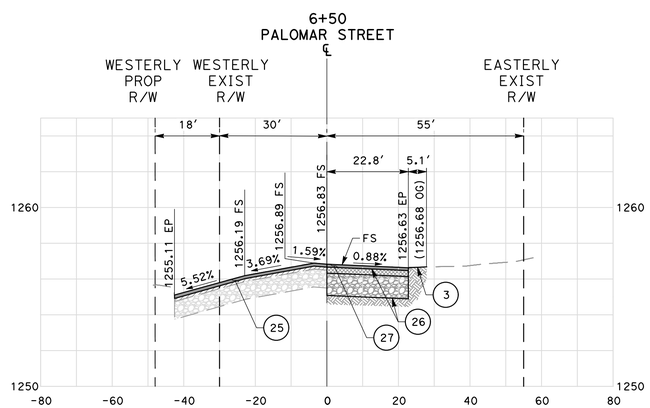
SHEET No. CR-7 SHT-42
OF 80 SHTS

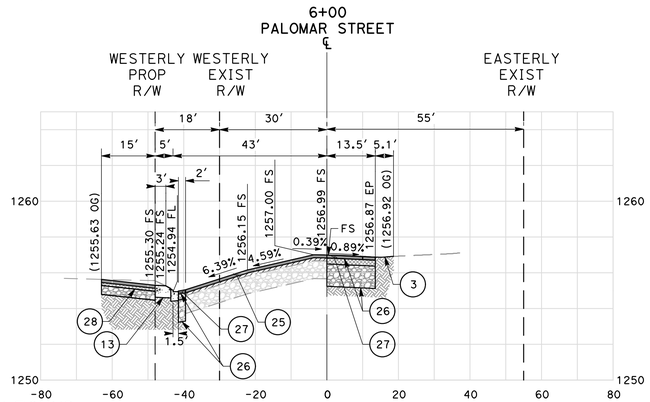
J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_CR-7.DWG 4/22/2024 2:36:32 PM

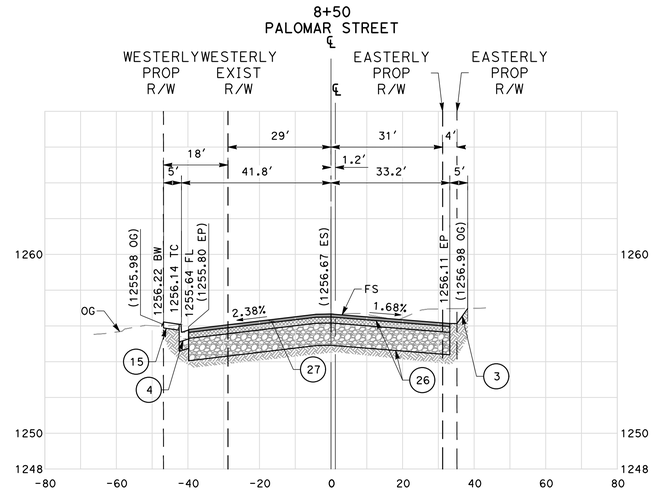
Plans Prepared On:4/17/24

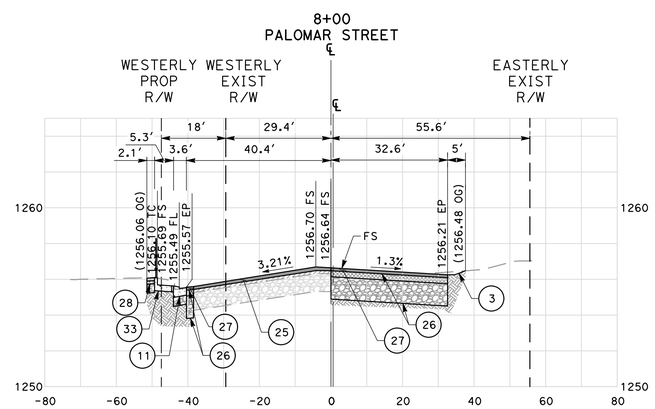
DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

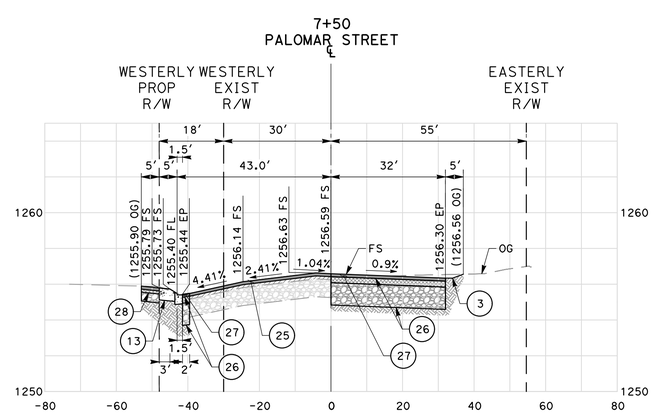


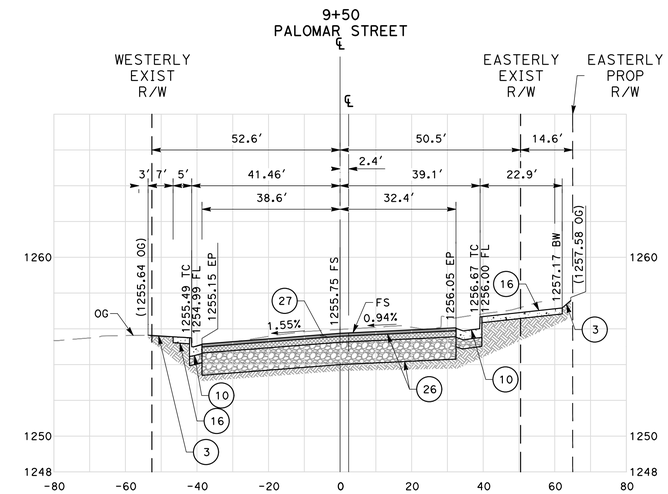


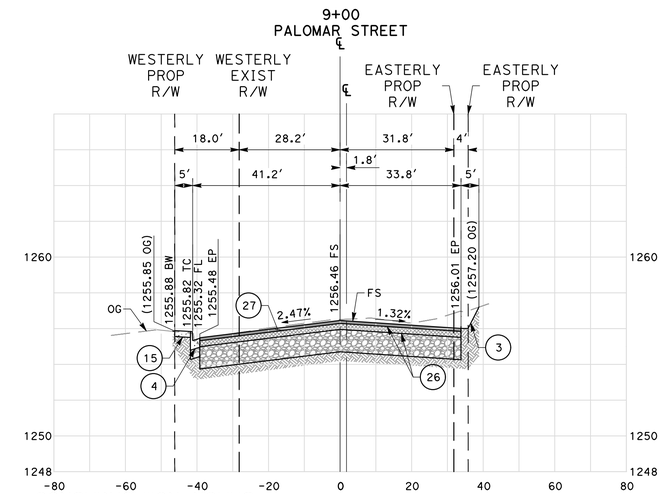












CONSTRUCTION NOTES

(3) GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.

(4) CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)

(10) CONSTRUCT 8" THICK PCC SPANDREL AND CROSS GUTTER OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 209 (CROSS GUTTER WIDTH MODIFIED PER PLAN).

(11) CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.

(13) CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)

(15) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.

(16) CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)

(25) COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.

(26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.

(28) CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(33) INSTALL ADA ACCESS WALKWAY WITH METAL RAILING AND CURB PER DETAIL 9 ON SHEET 5, C-2.

LEGEND:

- EXISTING AC PAVEMENT
- EXISTING AB
- (25) VARIABLE DEPTH COLD MILL
- (26 28) PROPOSED AC BASE COURSE
- (4 10 11 26 28) PROPOSED AB
- (4 10 11 13 15 16 33) PCC CONCRETE
- DECORATIVE AC TRAIL/WALL
- (3) SCARIFY, RECOMPACT, AND GRADE TO DRAIN
- (25 27 28) PROPOSED AC SURFACE COURSE

ISSUED FOR BID

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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Jason Farag, PE 86560 Director of Public Works
Date: 7/8/2024
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

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R.C.E. No. C92279 EXP. 06/30/2025

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SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

CROSS SECTIONS

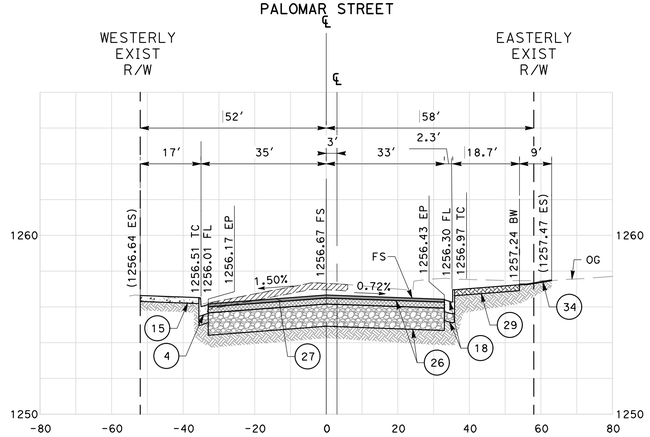
SHEET No. XS-1 SHT-43 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION.DWG 5/15/2024 9:24:35 AM

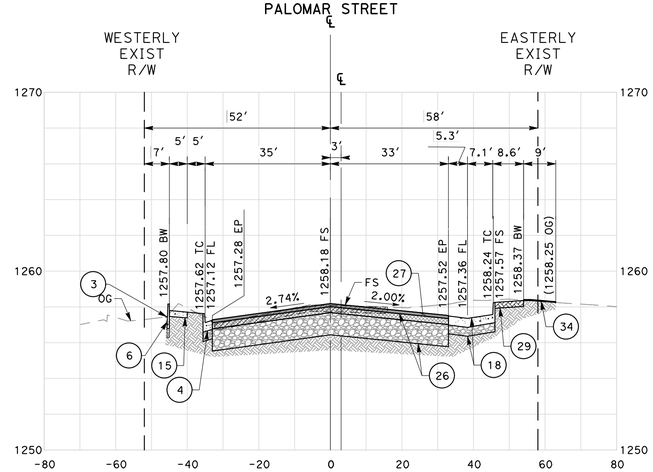
Plans Prepared On:5/15/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

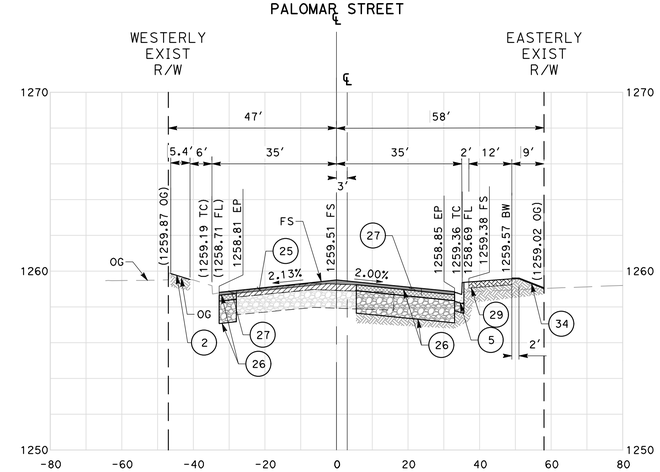
11+00 PALOMAR STREET



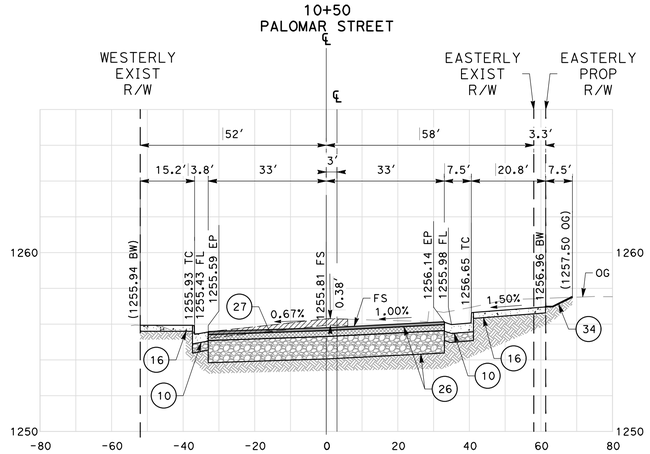
12+00 PALOMAR STREET



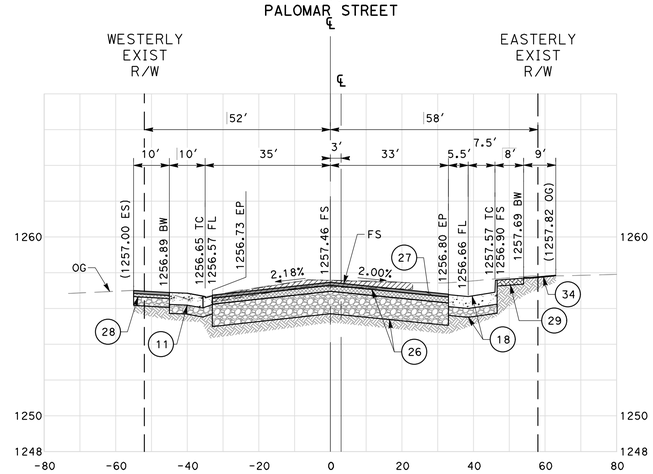
13+00 PALOMAR STREET



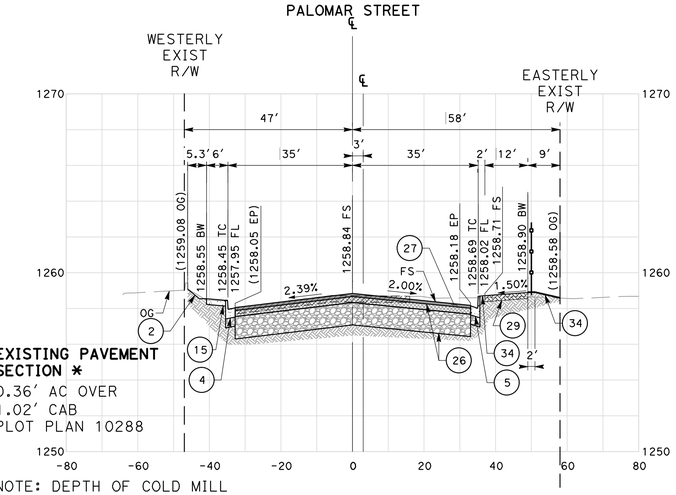
10+50 PALOMAR STREET



11+50 PALOMAR STREET



12+50 PALOMAR STREET



EXISTING PAVEMENT SECTION *
0.36′ AC OVER
1.02′ CAB
PLOT PLAN 10288

NOTE: DEPTH OF COLD MILL AT CROWN IS 0.X′

10+00 PALOMAR STREET

ISSUED FOR BID

CONSTRUCTION NOTES

(2) GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.

(3) GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.

(4) CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)

(5) CONSTRUCT TYPE A-8 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 201.

(6) CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).

(10) CONSTRUCT 8" THICK PCC SPANDREL AND CROSS GUTTER OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 209 (CROSS GUTTER WIDTH MODIFIED PER PLAN).

(11) CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.

(15) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.

(16) CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)

(18) CONSTRUCT 8" PCC BUS TURNOUT OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER MODIFIED RIVERSIDE COUNTY STD NO. 814.

(25) COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.

(26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.

(28) CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(29) CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.

(34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

LEGEND:

- EXISTING AC PAVEMENT
- EXISTING AB
- (25) VARIABLE DEPTH COLD MILL
- (25 27 28) PROPOSED AC SURFACE COURSE
- (26 28) PROPOSED AC BASE COURSE
- (4 5 6 10 11 18 26 28) PROPOSED AB
- (4 6 10 11 15 16 18) PCC CONCRETE
- (29) DECORATIVE AC TRAIL/WALL
- (2 3 34) SCARIFY, RECOMPACT, AND GRADE TO DRAIN

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY: Jason Farag, PE 86560 Director of Public Works
Date: 7/8/2024
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326′
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.

THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CROSS SECTIONS

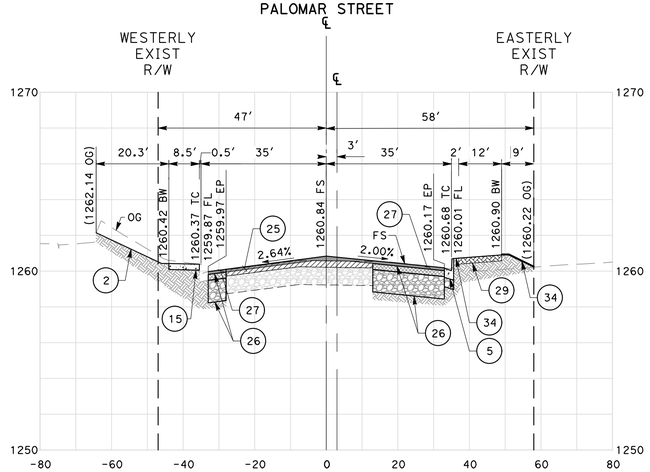
SHEET No. XS-2 SHT-44 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION.DWG 5/15/2024 9:24:35 AM

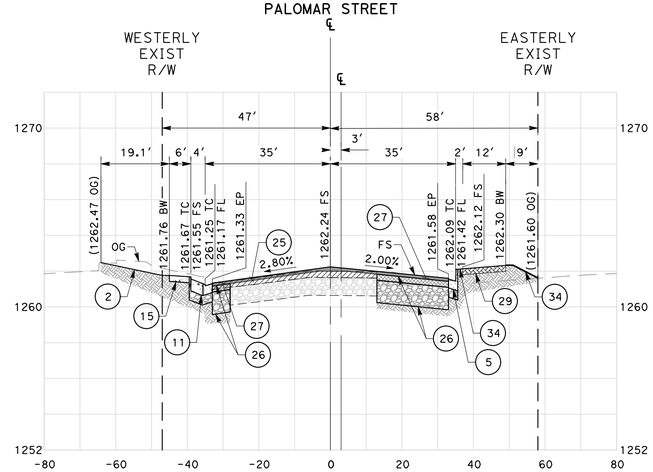
Plans Prepared On:5/15/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

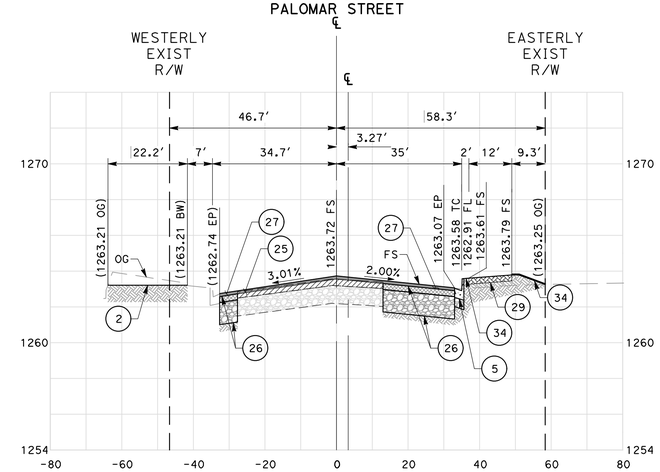
14+00 PALOMAR STREET



15+00 PALOMAR STREET



16+00 PALOMAR STREET



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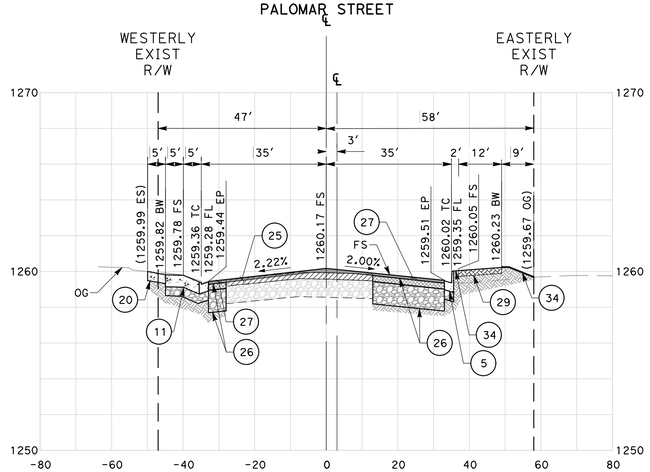

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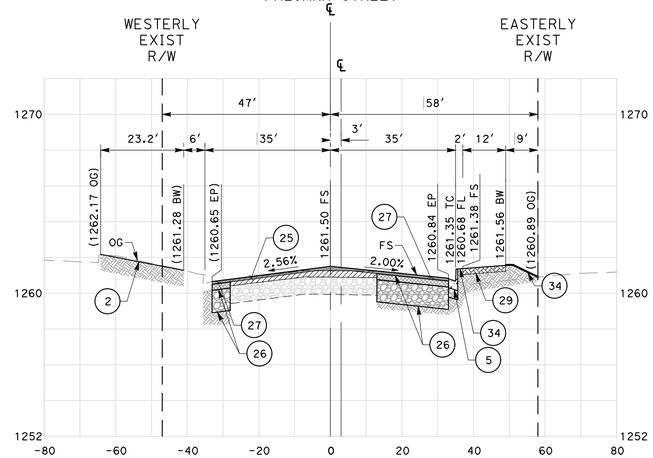

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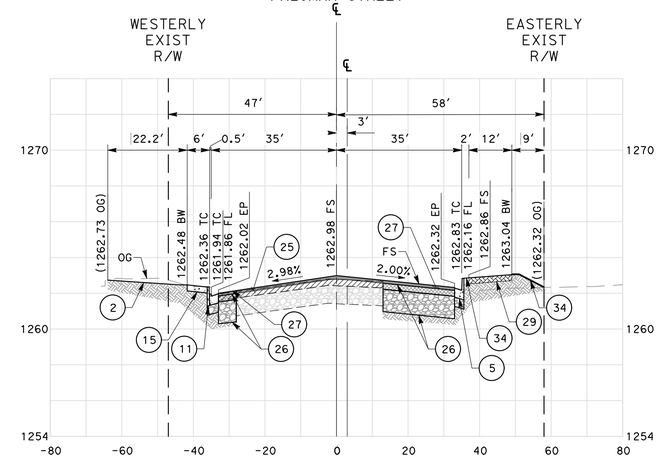

LEGEND:

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- EXISTING AB
- (25) VARIABLE DEPTH COLD MILL
- (27) PROPOSED AC SURFACE COURSE
- (26) PROPOSED AC BASE COURSE
- (5 11 26) PROPOSED AB
- (5 11 15 20) PCC CONCRETE
- (29) DECORATIVE AC TRAIL/WALL
- (2 3 34) SCARIFY, RECOMPACT, AND GRADE TO DRAIN

ISSUED FOR BID

CONSTRUCTION NOTES

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(3) GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.

(5) CONSTRUCT TYPE A-8 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 201.

(11) CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.

(15) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.

(20) CONSTRUCT 6" THICK PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE.

(25) COLD MILL AC PAVEMENT VARIABLE DEPTH AND APPLY CRACK SEAL TO EXISTING SURFACE PER DETAIL 6 ON SHEET 4, C-1.

(26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

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(34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

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ENGINEER				CITY	

CITY OF WILDOMAR — Est. 1886 — Inc. 2008 — Tradition • Opportunity • Progress

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

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SCALE:
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CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CROSS SECTIONS

SHEET No. XS-3 SHT-45
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION.DWG 5/15/2024 9:24:35 AM

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17+00 PALOMAR STREET

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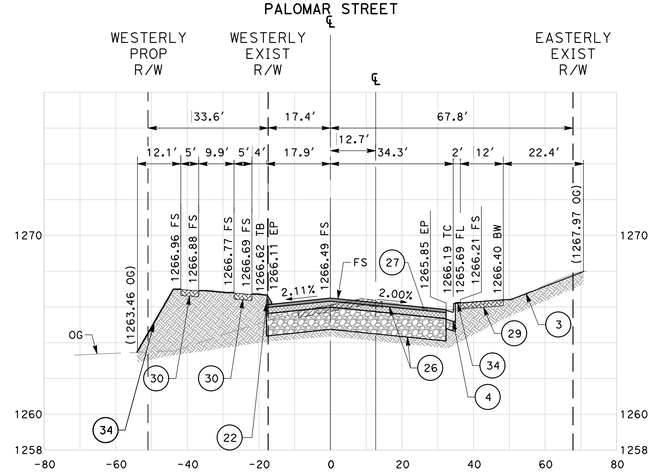

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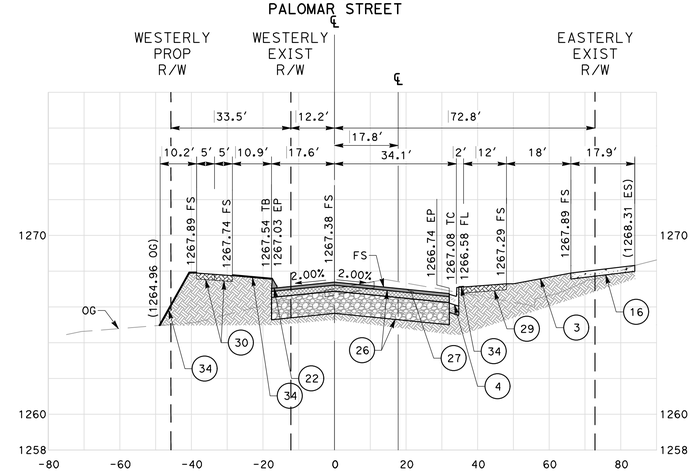

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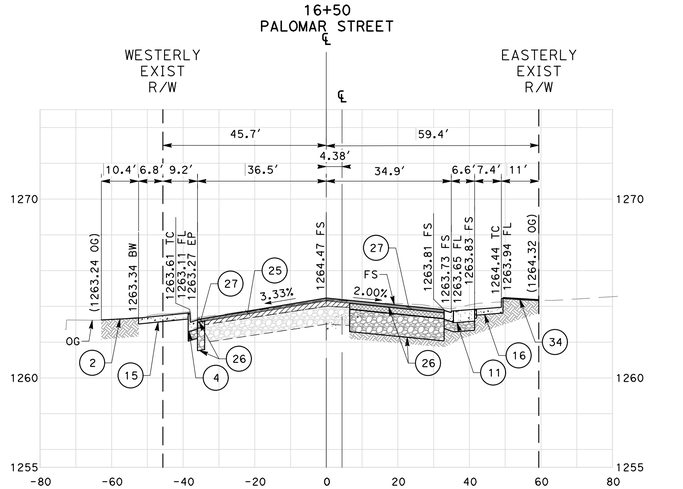

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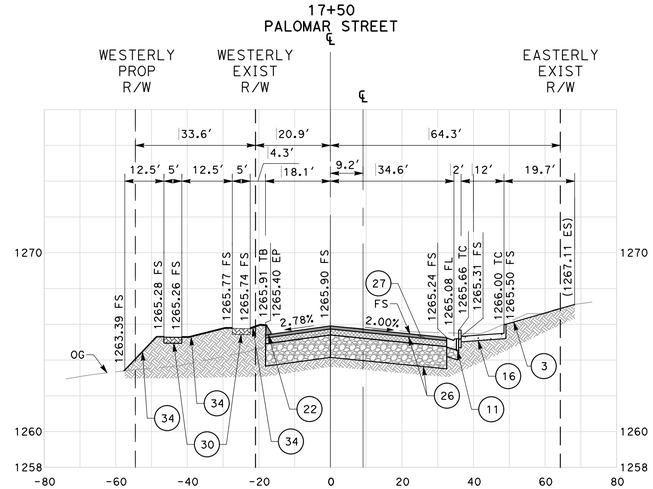

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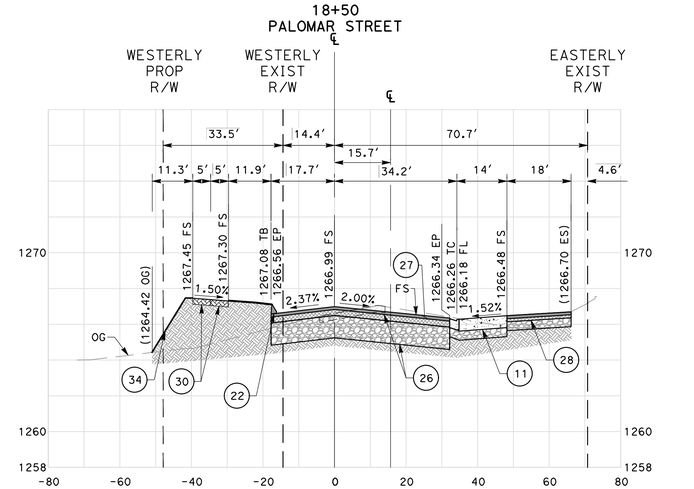

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ACCEPTED BY: 7/8/2024
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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

CROSS SECTIONS

SHEET No. XS-4 SHT-46 OF 80 SHTS

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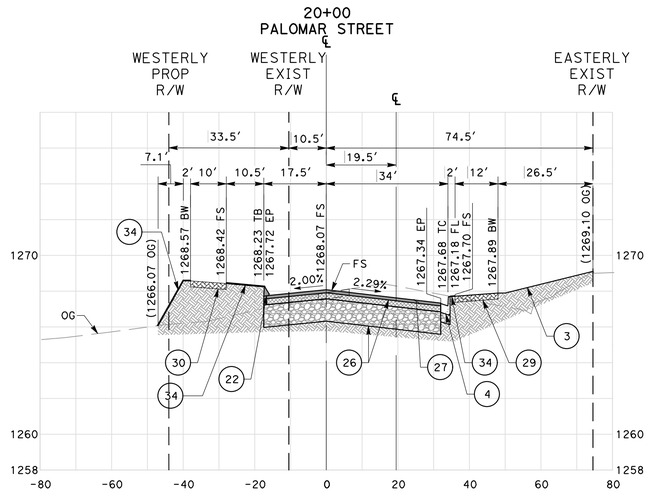

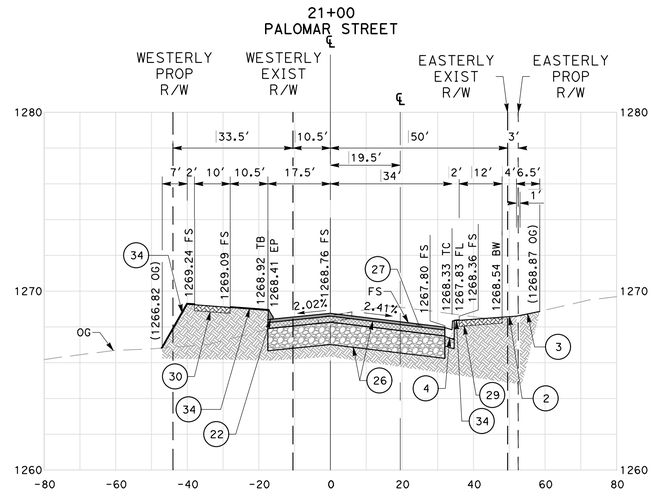

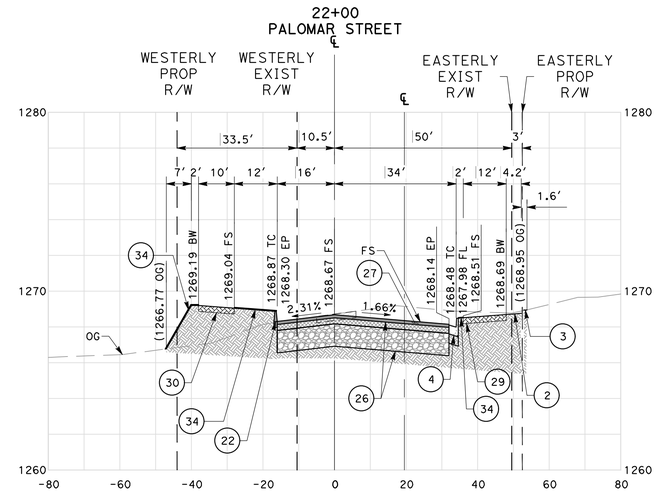

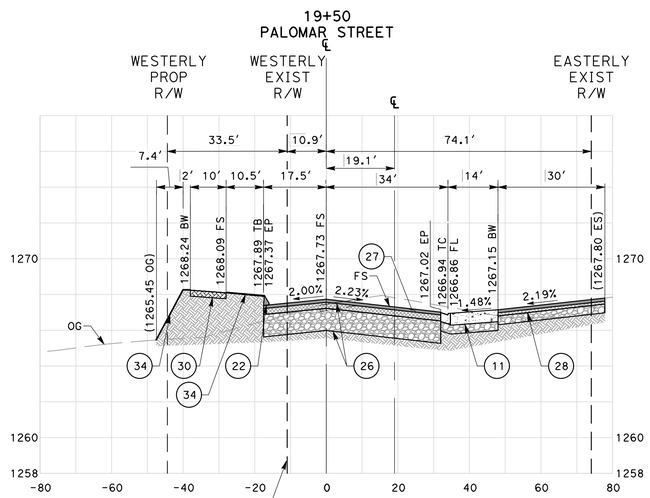

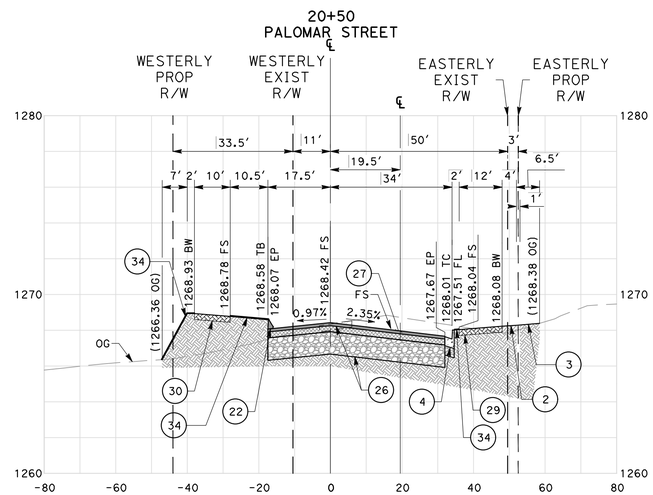

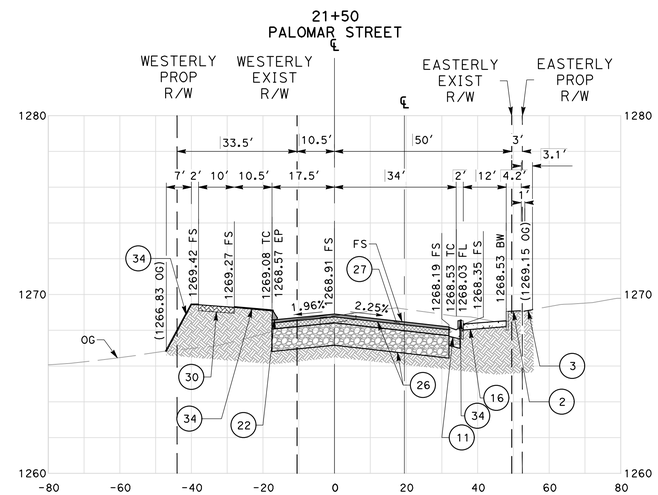

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- (2) (3) (34) SCARIFY, RECOMPACT, AND GRADE TO DRAIN

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SHEET No. XS-5 SHT-47 OF 80 SHTS

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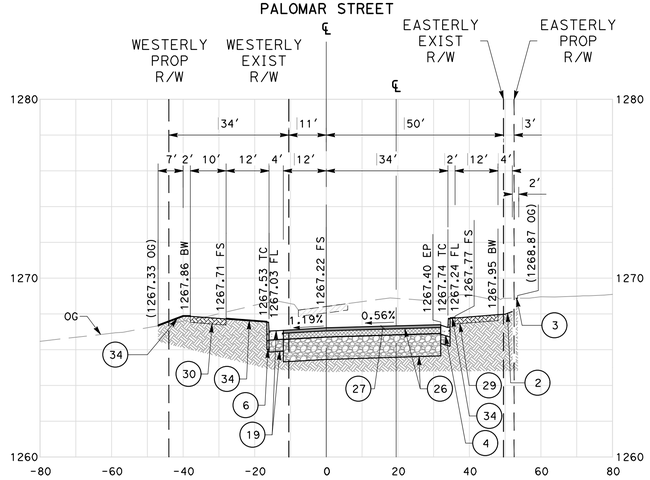
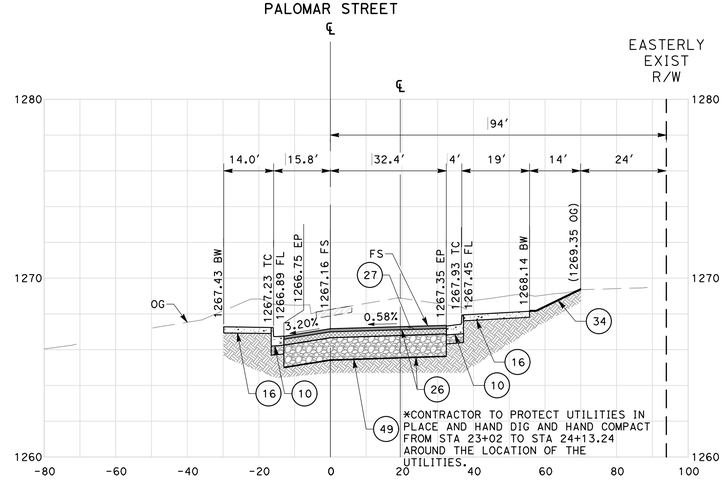
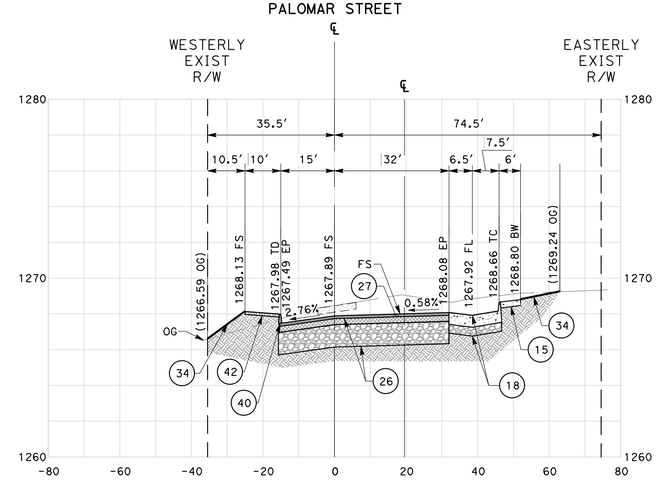


24+00 PALOMAR STREET



25+00 PALOMAR STREET



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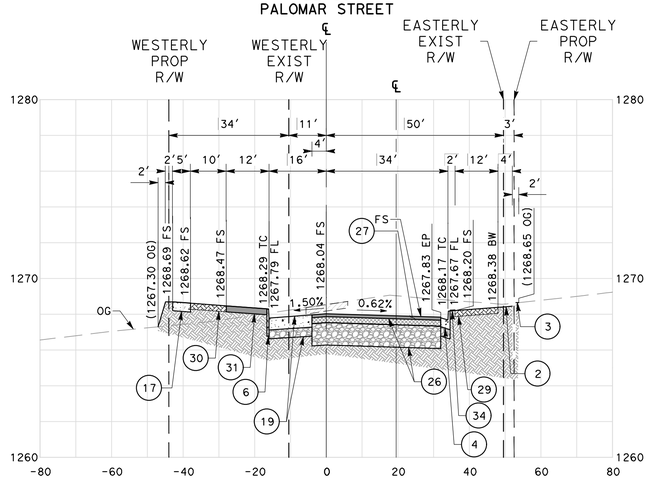

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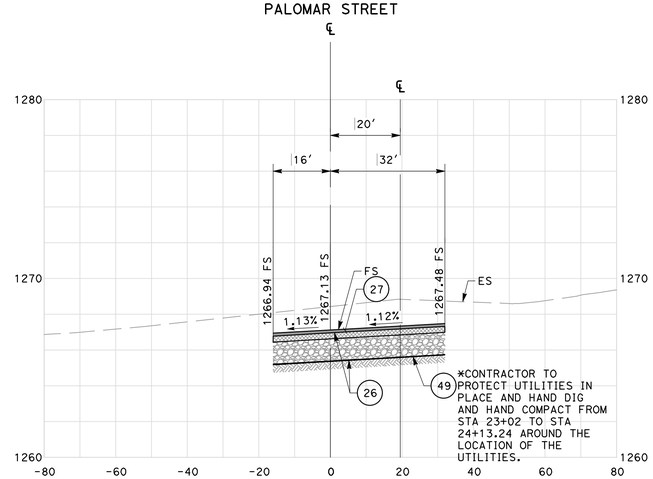

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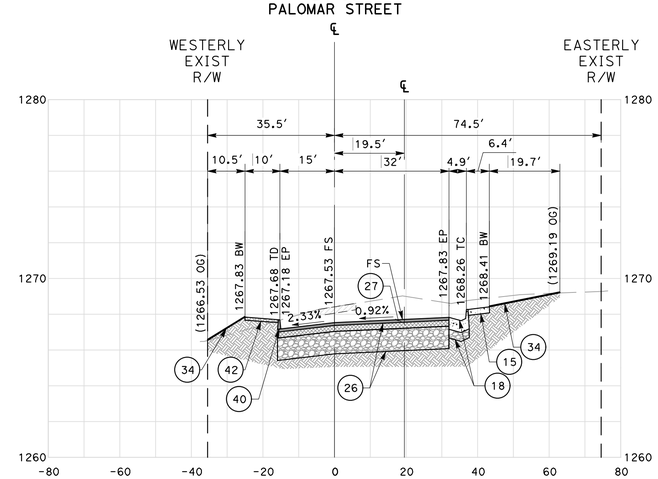

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- 4 6 10 18 19 26 — PROPOSED AB
- 4 6 10 15 16 17 18 19 — PCC CONCRETE
- 29 30 — DECORATIVE AC TRAIL/WALL
- 2 3 34 — SCARIFY, RECOMPACT, AND GRADE TO DRAIN
- 42 — PROPOSED DECOMPOSED GRANITE
- 49 — TENSAR TRIAX GEOGRID

ISSUED FOR BID

CONSTRUCTION NOTES

2. GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.
3. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
4. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)
6. CONSTRUCT 6" TYPE D PCC CURB OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 204. (UNLESS SPECIFIED OTHERWISE).
10. CONSTRUCT 8" THICK PCC SPANDREL AND CROSS GUTTER OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 209 (CROSS GUTTER WIDTH MODIFIED PER PLAN).
15. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
16. CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)
17. CONSTRUCT 6" PCC BUS SHELTER PAD OVER 12" COMPACTED SUBGRADE, CONTRACTOR TO COORDINATE WITH RTA FOR BUS SHELTER INSTALLATION DURING CONSTRUCTION.
18. CONSTRUCT 8" PCC BUS TURNOUT OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER MODIFIED RIVERSIDE COUNTY STD NO. 814.
19. CONSTRUCT 8" PCC BUS APRON OVER 6" CAB OVER 12" COMPACTED SUBGRADE.
26. CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.
27. CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.
29. CONSTRUCT 4" THICK DECORATIVE ASPHALT MULTI-USE TRAIL PER DETAIL 7 ON SHEET 5, C-2.
30. CONSTRUCT 4" THICK DECORATIVE ASPHALT SIDEWALK PER DETAIL 8 ON SHEET 5, C-2.
31. CONSTRUCT 4" THICK ASPHALT SIDEWALK OVER 12" COMPACTED SUBGRADE.
34. STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.
40. CONSTRUCT 6" AC DIKE PER RIVERSIDE COUNTY STD NO. 212.
42. CONSTRUCT DECOMPOSED GRANITE TRAIL PER RIVERSIDE COUNTY STD H-009 WITH PCC HEADER PER RIVERSIDE COUNTY STD H-004.
49. INSTALL TENSAR TRIAX GEOGRID OR EQUIVALENT BETWEEN THE AC OR PCC AND CAB AS SHOWN ON SHEETS 48, 51 AND 52; XS-6, XS-9, AND XS-10.

DIGALERT — CALL 811 BEFORE YOU DIG. DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR — Est. 1886 — Inc. 2008 — Tradition • Opportunity • Progress

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CROSS SECTIONS

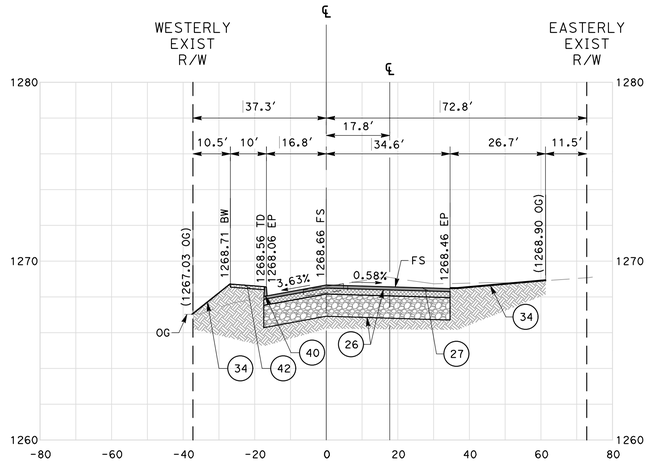
SHEET No. XS-6 SHT-48 OF 80 SHTS

Plans Prepared On:5/9/24

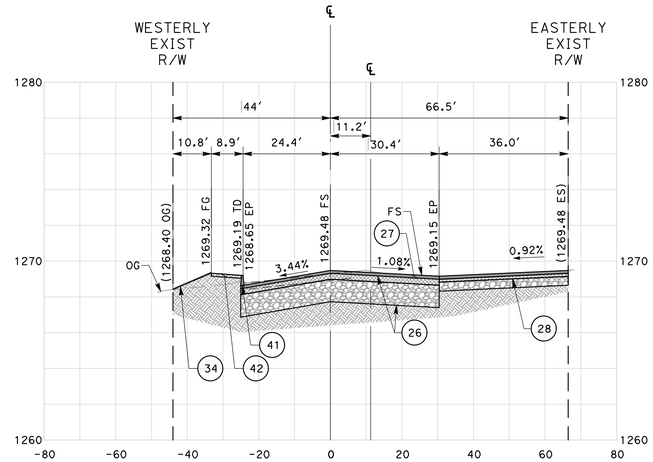
J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION PALOMAR NORTH OF GRUWELL.DWG 5/9/2024 11:52:43 AM

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

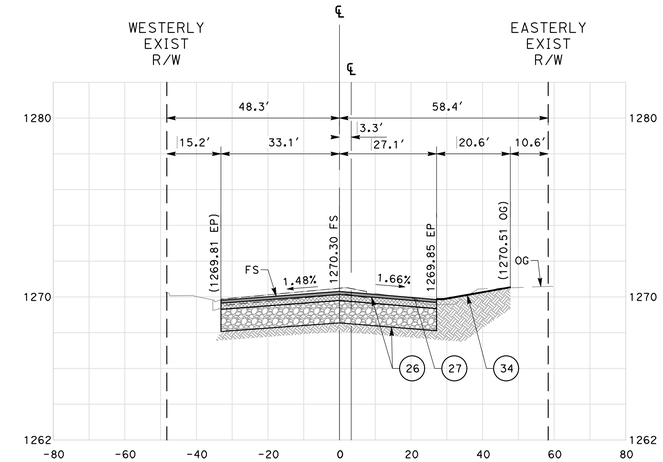
26+00 PALOMAR STREET



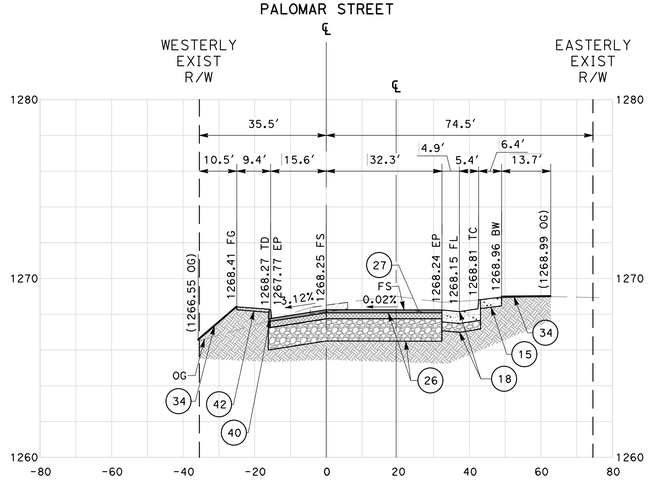
27+00 PALOMAR STREET



28+00 PALOMAR STREET



25+50 PALOMAR STREET



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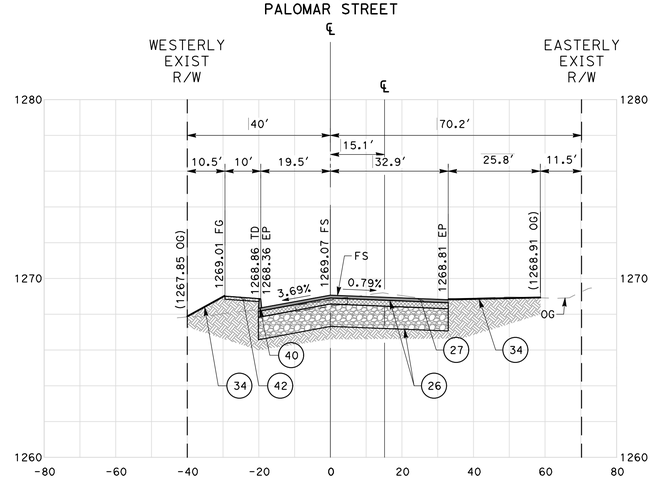

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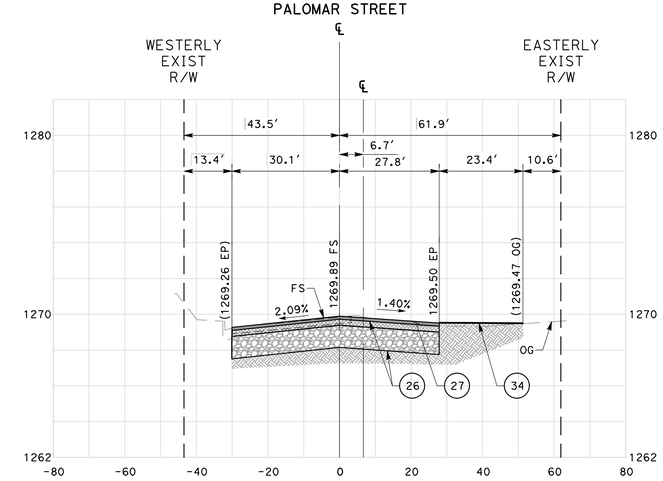

LEGEND:

- EXISTING AC PAVEMENT
- EXISTING AB
- VARIABLE DEPTH COLD MILL
- (27) (28) PROPOSED AC SURFACE COURSE
- (26) (28) PROPOSED AC BASE COURSE
- (18) (26) (28) PROPOSED AB
- (15) (18) PCC CONCRETE
- DECORATIVE AC TRAIL/WALL
- (3) SCARIFY, RECOMPACT, AND GRADE TO DRAIN
- (42) PROPOSED DECOMPOSED GRANITE

ISSUED FOR BID

CONSTRUCTION NOTES

(15) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.

(18) CONSTRUCT 8" PCC BUS TURNOUT OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER MODIFIED RIVERSIDE COUNTY STD NO. 814.

(26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.

(28) CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

(40) CONSTRUCT 6" AC DIKE PER RIVERSIDE COUNTY STD NO. 212.

(41) CONSTRUCT 6" AC DIKE TO CURB AND GUTTER TRANSITION PER DETAIL 13 ON SHEET 4, C-1.

(42) CONSTRUCT DECOMPOSED GRANITE TRAIL PER RIVERSIDE COUNTY STD H-009 WITH PCC HEADER PER RIVERSIDE COUNTY STD H-004.

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ENGINEER — CITY

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326′
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
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SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING CROSS SECTIONS

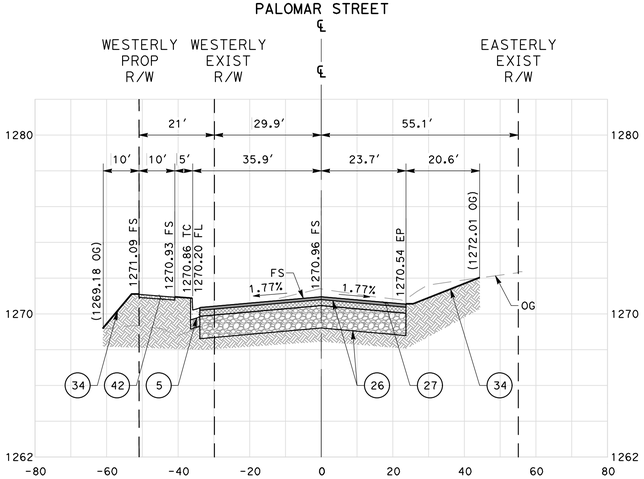
SHEET No. XS-7 SHT-49 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION PALOMAR NORTH OF GRUWELLDWG 5/9/2024 11:52:43 AM

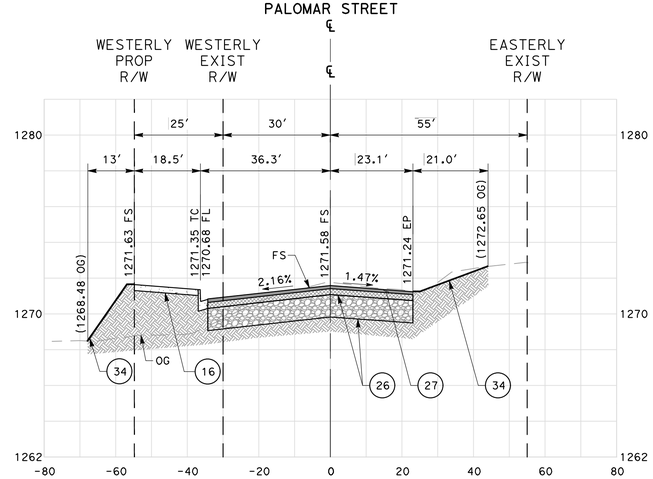
Plans Prepared On:5/9/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

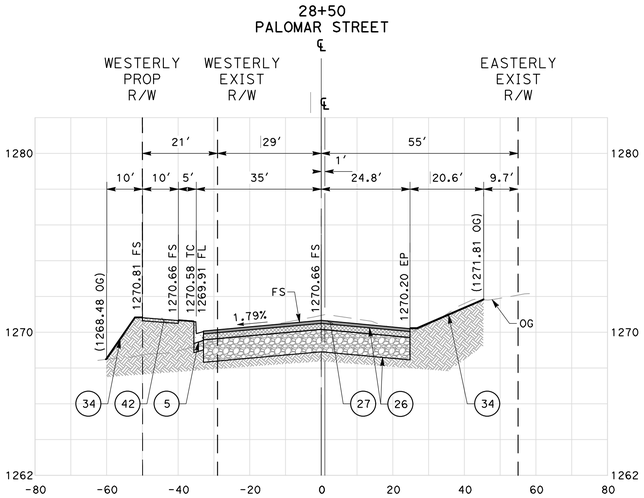
29+00 PALOMAR STREET



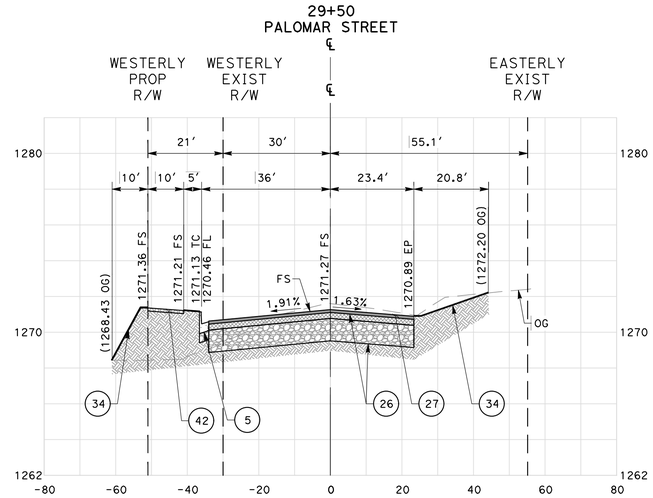
30+00 PALOMAR STREET



28+50 PALOMAR STREET



29+50 PALOMAR STREET



LEGEND:

- EXISTING AC PAVEMENT
- EXISTING AB
- VARIABLE DEPTH COLD MILL
- (27) PROPOSED AC SURFACE COURSE
- (26) PROPOSED AC BASE COURSE
- (5) (26) PROPOSED AB
- (5) (16) PCC CONCRETE
- DECORATIVE AC TRAIL/WALL
- (3) SCARIFY, RECOMPACT, AND GRADE TO DRAIN
- (42) PROPOSED DECOMPOSED GRANITE

CONSTRUCTION NOTES

(5) CONSTRUCT TYPE A-8 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 201.

(16) CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)

(26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.

(34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

(42) CONSTRUCT DECOMPOSED GRANITE TRAIL PER RIVERSIDE COUNTY STD H-009 WITH PCC HEADER PER RIVERSIDE COUNTY STD H-004.

ISSUED FOR BID

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	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CROSS SECTIONS

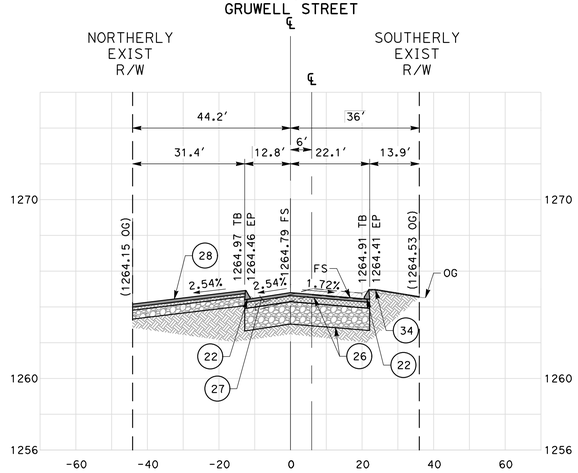
SHEET No. XS-8 SHT-50 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION PALOMAR NORTH OF GRUWELL.DWG 6/18/2024 5:02:07 PM

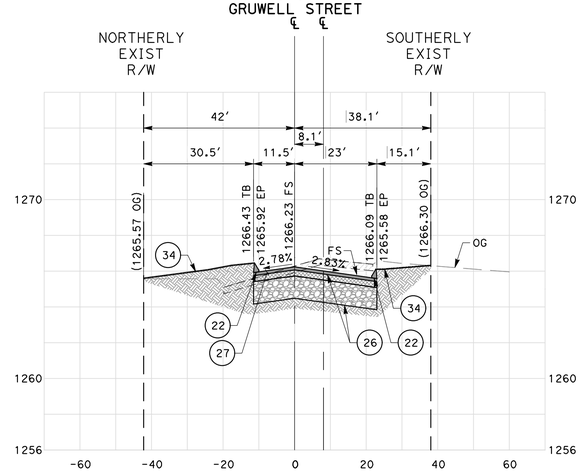
Plans Prepared On:6/18/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

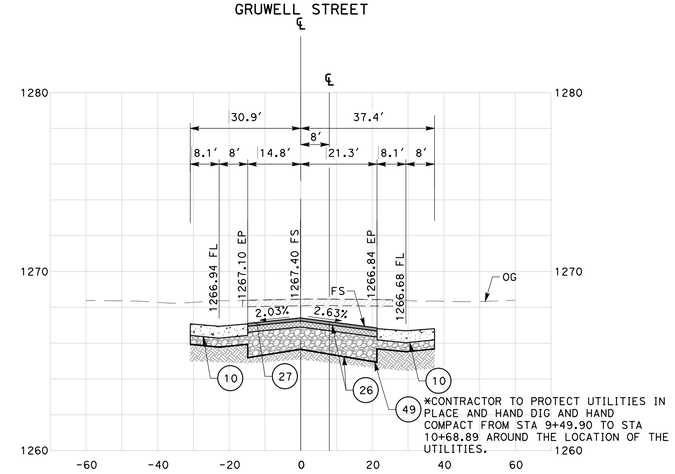
8+00 GRUWELL STREET



9+00 GRUWELL STREET

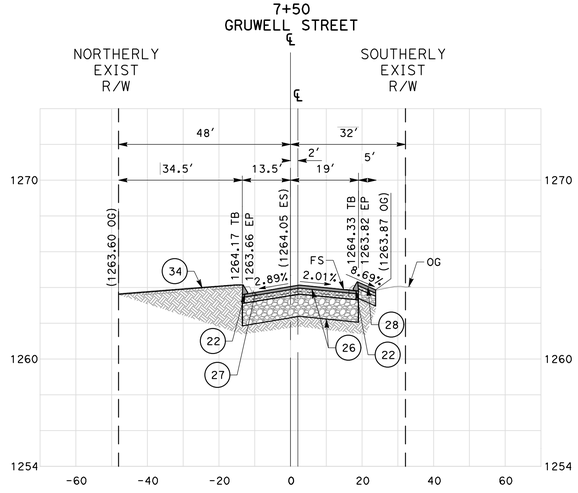


10+00 GRUWELL STREET

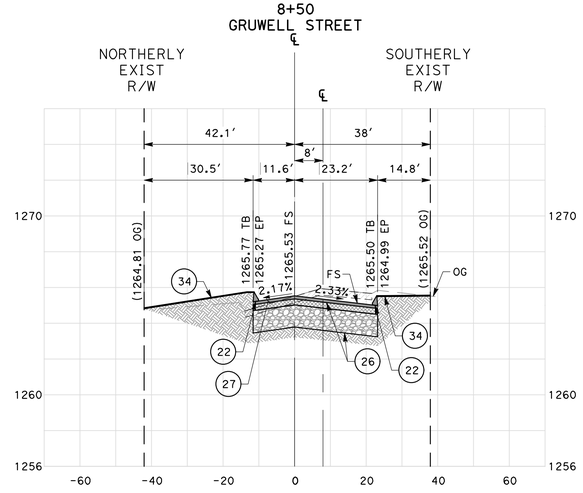


*CONTRACTOR TO PROTECT UTILITIES IN PLACE AND HAND DIG AND HAND COMPACT FROM STA 9+49.90 TO STA 10+68.89 AROUND THE LOCATION OF THE UTILITIES.

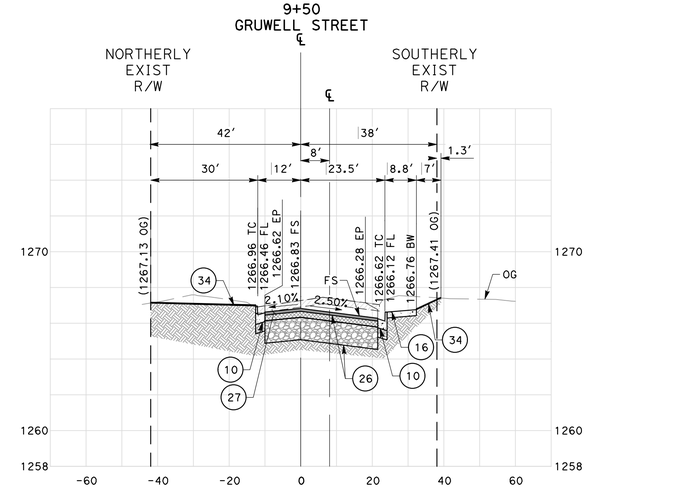
7+50 GRUWELL STREET



8+50 GRUWELL STREET



9+50 GRUWELL STREET



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- (26) (28) PROPOSED AC BASE COURSE
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- (3) SCARIFY, RECOMPACT, AND GRADE TO DRAIN
- (49) TENSAR TRIAX GEOGRID

ISSUED FOR BID

CONSTRUCTION NOTES

(10) CONSTRUCT 8" THICK PCC SPANDREL AND CROSS GUTTER OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 209 (CROSS GUTTER WIDTH MODIFIED PER PLAN).

(16) CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)

(22) CONSTRUCT AC BERM PER DETAIL 4 ON SHEET 4, C-1.

(26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.

(28) CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

(49) INSTALL TENSAR TRIAX GEOGRID OR EQUIVALENT BETWEEN THE AC OR PCC AND CAB AS SHOWN ON SHEETS 48, 51 AND 52; XS-6, XS-9, AND XS-10.

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ENGINEER				CITY	

CITY OF WILDOMAR
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Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

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PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CROSS SECTIONS

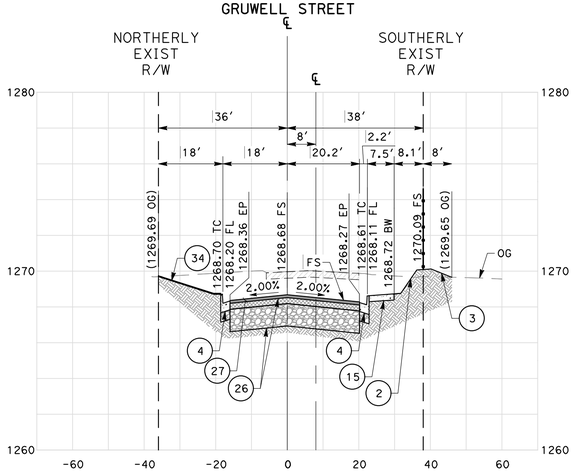
SHEET No. XS-9 SHT-51
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION.DWG 6/18/2024 1:30:05 PM

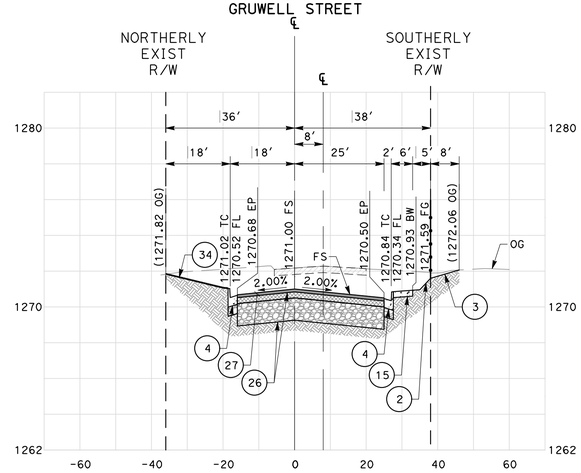
Plans Prepared On:6/18/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

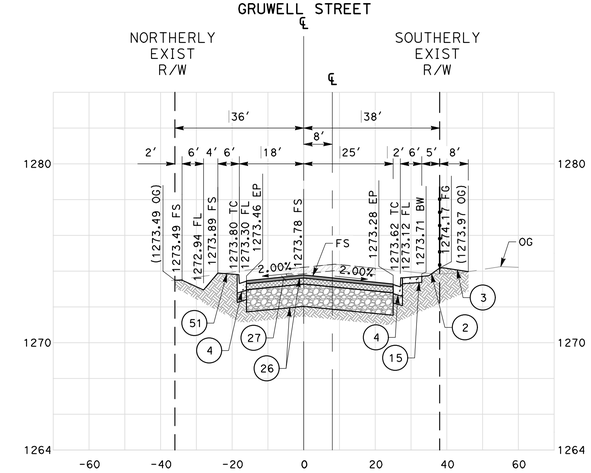
11+00
GRUWELL STREET



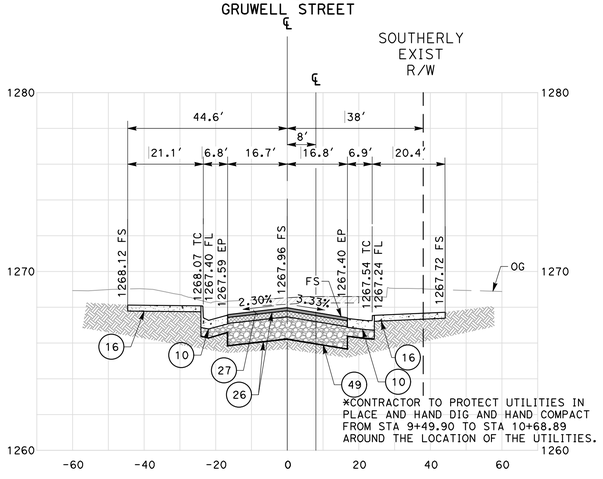
12+00
GRUWELL STREET



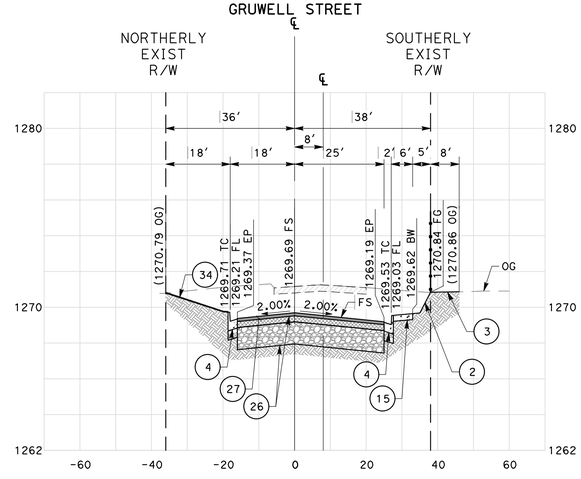
13+00
GRUWELL STREET



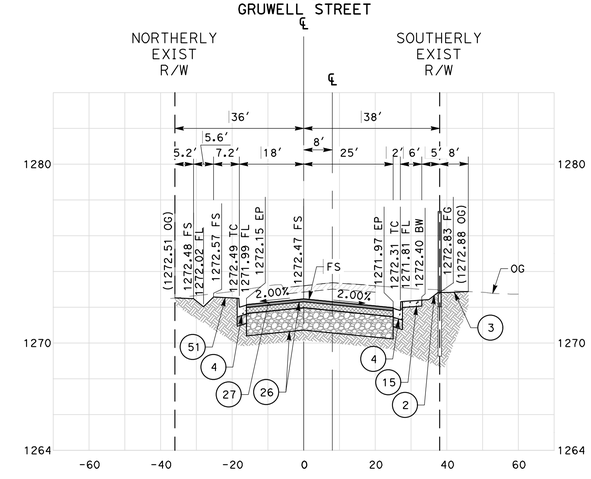
10+50
GRUWELL STREET



11+50
GRUWELL STREET



12+50
GRUWELL STREET



LEGEND:

- EXISTING AC PAVEMENT
- EXISTING AB
- VARIABLE DEPTH COLD MILL
- (27) PROPOSED AC SURFACE COURSE
- (26) PROPOSED AC BASE COURSE
- (4 10 26) PROPOSED AB
- (4 10 15 16) PCC CONCRETE
- DECORATIVE AC TRAIL/WALL
- (2 3 34) SCARIFY, RECOMPACT, AND GRADE TO DRAIN
- (49) TENSAR TRIAX GEOGRID

ISSUED FOR BID

CONSTRUCTION NOTES

(2) GRADE TO DRAIN, AND INSTALL LANDSCAPING AND IRRIGATION AS APPLICABLE PER THE PLANTING AND IRRIGATION PLANS.

(3) GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.

(4) CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)

(10) CONSTRUCT 8" THICK PCC SPANDREL AND CROSS GUTTER OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 209 (CROSS GUTTER WIDTH MODIFIED PER PLAN).

(15) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.

(16) CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)

(26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.

(34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

(49) INSTALL TENSAR TRIAX GEOGRID OR EQUIVALENT BETWEEN THE AC OR PCC AND CAB AS SHOWN ON SHEETS 48, 51 AND 52; XS-6, XS-9, AND XS-10.

(51) INSTALL 3/4-INCH FRACUTRED ROCK FOR A DEPTH OF 3-INCHES.

DIGALERT — CALL 811 BEFORE YOU DIG
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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING No. C92279 Exp. 06/30/25 CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CROSS SECTIONS

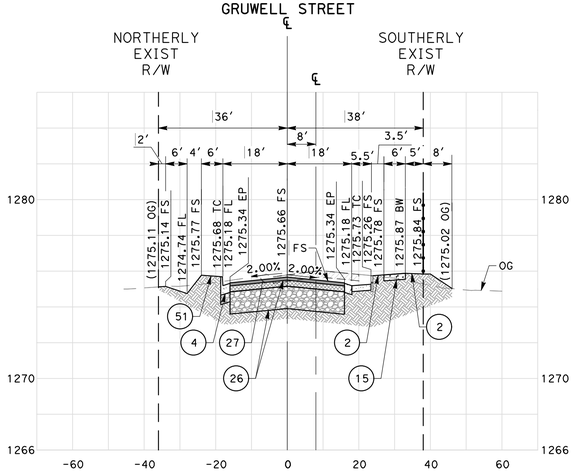
SHEET No. XS-10 SHT-52 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION.DWG 6/18/2024 1:30:05 PM

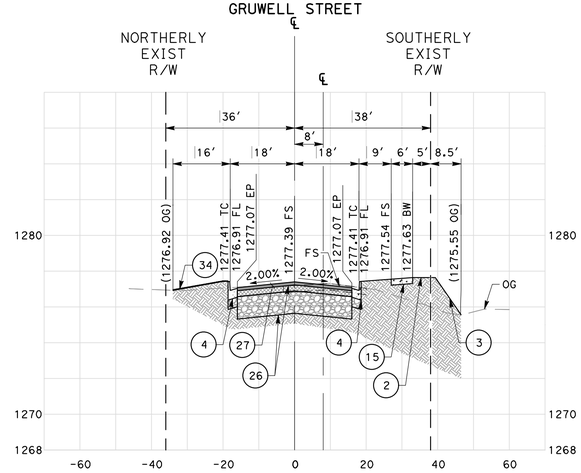
Plans Prepared On:6/18/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

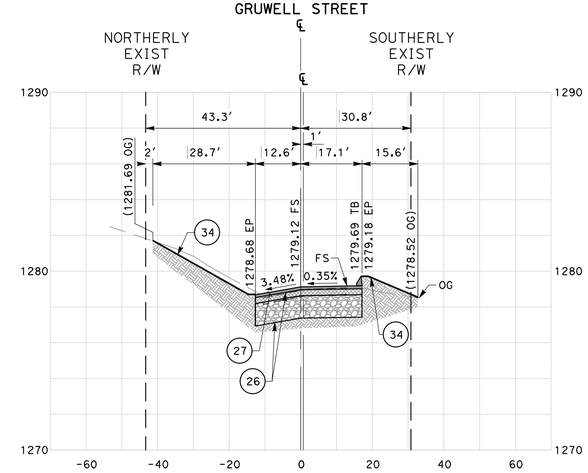
14+00 GRUWELL STREET



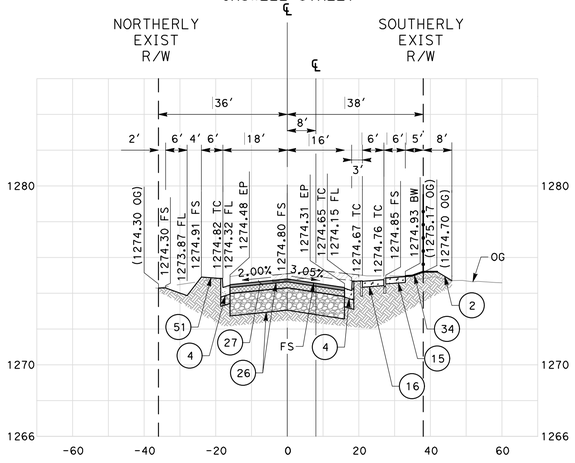
15+00 GRUWELL STREET



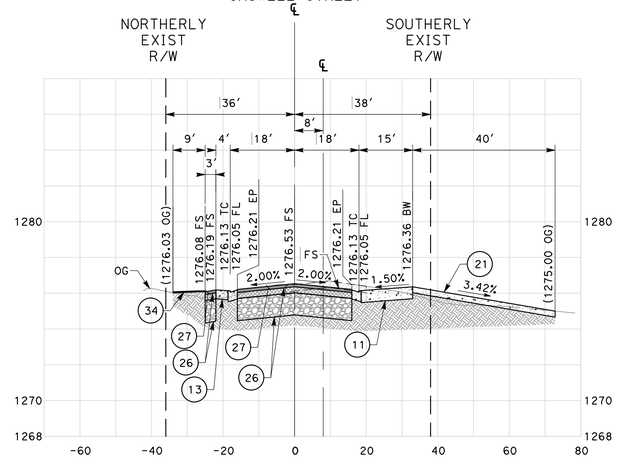
16+00 GRUWELL STREET



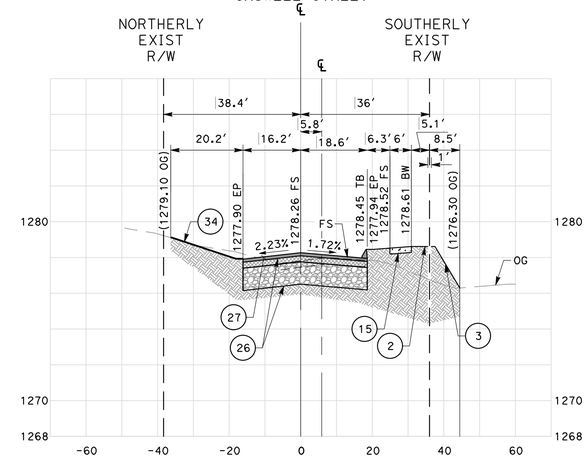
13+50 GRUWELL STREET



14+50 GRUWELL STREET



15+50 GRUWELL STREET



LEGEND:

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- (26) PROPOSED AC BASE COURSE
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- (4 11 13 15 16 21) PCC CONCRETE
- DECORATIVE AC TRAIL/WALL
- (2 3 34) SCARIFY, RECOMPACT, AND GRADE TO DRAIN

ISSUED FOR BID

CONSTRUCTION NOTES

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(4) CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH PER PLAN, 6" CURB FACE UNLESS OTHERWISE NOTED ON PLANS)

(11) CONSTRUCT MODIFIED 8" PCC COMMERCIAL DRIVEWAY OVER 6" CAB OVER 12" THICK SUBGRADE PER RIVERSIDE COUNTY STD NO. 207A, REFER TO DRIVEWAY DETAILS ON SHEETS 38 TO 42, CR-3 TO CR-7.

(13) CONSTRUCT MODIFIED DRIVEWAY PER SPPWC STD. 110-2, CASE B. (UNLESS OTHERWISE NOTED ON PLANS)

(15) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.

(16) CONSTRUCT 4" PCC CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. (CASE PER PLAN)

(21) CONSTRUCT 6" THICK DECORATIVE PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE, REFER TO LANDSCAPE PLANS FOR AESTHETICS.

(26) CONSTRUCT 4" THICK B-PG64-10 HMA BASE COURSE OVER 15" THICK CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET 4, C-1.

(27) CONSTRUCT 2" THICK ARHM-GG-C SURFACE COURSE PER DETAIL 6 ON SHEET 4, C-1.

(34) STAPLE WEED CONTROL FABRIC (5.8 OZ MINIMUM) TO FINISHED GRADE AND PLACE 3" THICK MULCH PER SPECIFICATIONS.

(51) PROTECT SURVEY MONUMENT IN PLACE AND INSTALL MONUMENT WELL ADJUSTED TO SURFACE GRADES PER RIVERSIDE COUNTY STD. NO. 901.

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 6/18/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CROSS SECTIONS

SHEET No. XS-11 SHT-53
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\MASTERS\WILDOMAR-CROSS SECTION.DWG 6/18/2024 1:30:05 PM

Plans Prepared On:6/18/24

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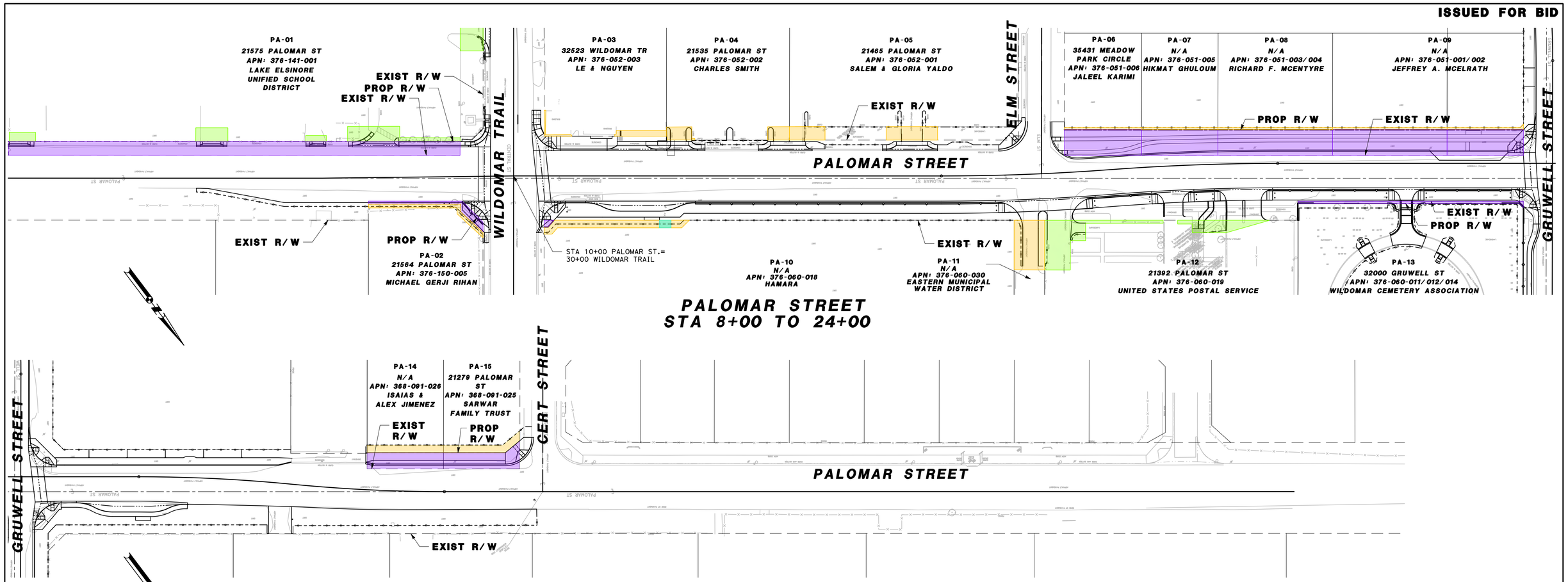
ISSUED FOR BID



0 30 60 120 240
15 45 90 180
GRAPHIC SCALE
1" = 60'

LEGEND

- PROPOSED RIGHT OF WAY ACQUISITION
- PROPOSED EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- RIGHT OF ENTRY
- EXISTING RIGHT OF WAY
- EXISTING PROPERTY LIMITS
- EXISTING CENTER LINE
- EXISTING CURB AND GUTTER
- EXISTING SIDEWALK
- PROPOSED RIGHT OF WAY
- PROPOSED CENTER LINE
- PROPOSED CURB AND GUTTER
- PROPOSED SIDEWALK
- PROPOSED SCHOOL CROSS WALK
- PROPOSED CROSS WALK

PARCEL ID	APN	PROP. R/W ACQUISITION AREA (SF)	PROP. EASEMENT AREA (SF)	TEMPORARY CONSTRUCTION EASEMENT AREA (SF)	RIGHT OF ENTRY AREA (SF)	OWNER
PA-01	376-141-001	10,640	N/A	365	N/A	LAKE ELSINORE UNIFIED SCHOOL DISTRICT
PA-02	376-150-005	72	N/A	412	N/A	MICHAEL GERJI RIHAN
PA-03	376-052-003	N/A	N/A	635	N/A	LE & NGUYEN
PA-04	376-052-002	N/A	N/A	1,074	N/A	CHARLES SMITH
PA-05	376-052-001	N/A	N/A	2,010	N/A	SALEM & GLORIA YALDO
PA-06	376-051-006	3,382	N/A	303	N/A	JALEEL KARIMI
PA-07	376-051-005	3,350	N/A	300	N/A	HIKMAT GHULOUM
PA-08	376-051-003/004	5,025	N/A	450	N/A	RICHARD F. MCENTYRE
PA-09	376-051-001/002	8,375	N/A	760	N/A	JEFFREY A. MCELRATH
PA-10	376-060-018	81	150	1,885	N/A	HAMARA
PA-11	376-060-030	N/A	N/A	2,602	N/A	EASTERN MUNICIPAL WATER DISTRICT
PA-12	376-060-019	N/A	N/A	N/A	4,185	UNITED STATES POSTAL SERVICE
PA-13	376-060-011/012/014	901	N/A	N/A	N/A	WILDOMAR CEMETERY ASSOCIATION
PA-14	368-091-026	2105	N/A	1005	N/A	ISAIAS AND ALEX JIMENEZ
PA-15	368-091-025	2255	N/A	1070	N/A	SARWAR FAMILY TRUST

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ENGINEER — CITY

CITY OF WILDOMAR
Est. 1886 Inc. 2008
Tradition • Opportunity • Progress

ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

REGISTERED PROFESSIONAL ENGINEER
KIMBERLY BARLING
No. C92279
Exp. 06/30/25
CIVIL
STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784

PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.

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SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

RIGHT OF WAY PLAN

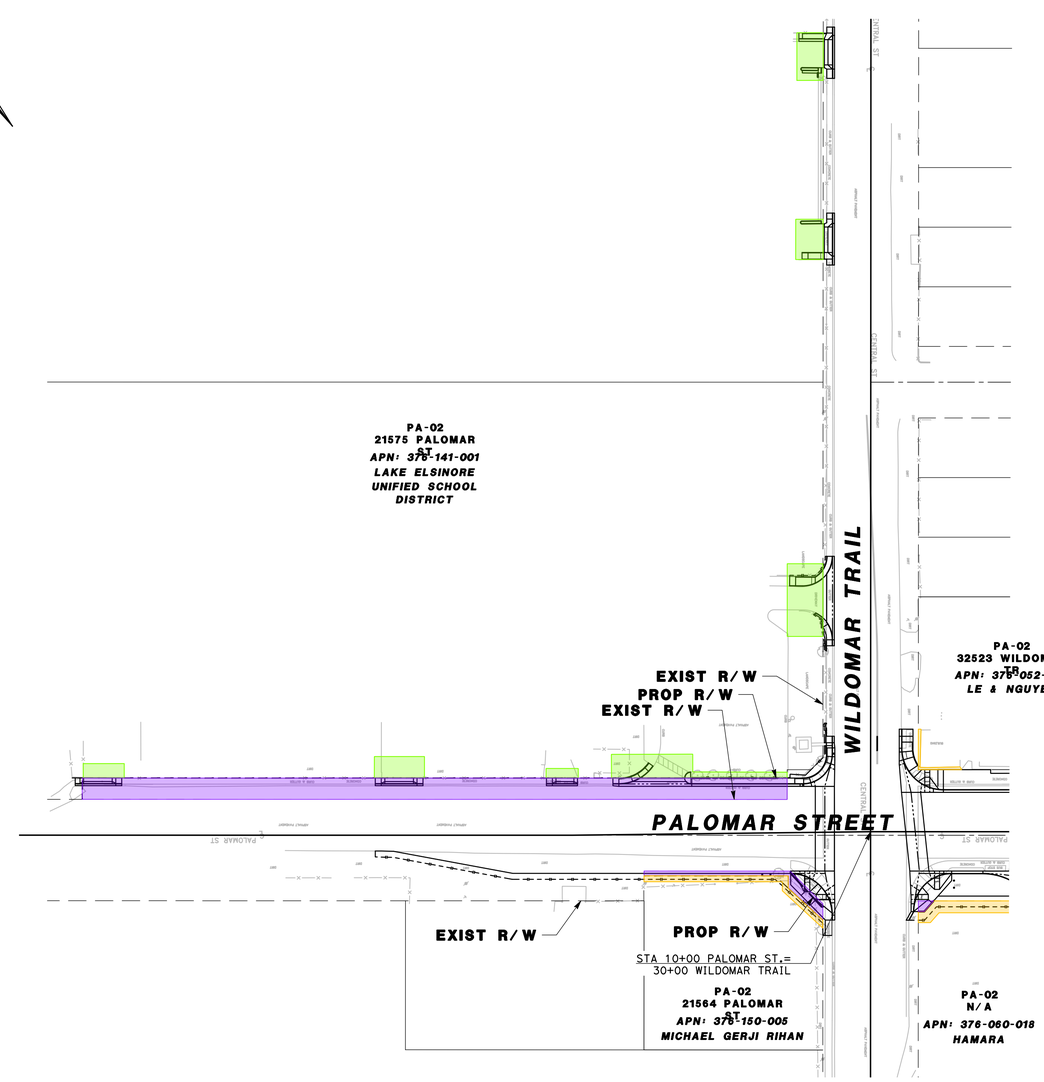
SHEET No. RW-1
SHT-54
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_RW-1.DWG 4/24/2024 11:05:23 AM

Plans Prepared On:4/24/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

ISSUED FOR BID



PALOMAR STREET
STA 3+00 TO 11+00

LEGEND

- PROPOSED RIGHT OF WAY ACQUISITION
- PROPOSED EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- RIGHT OF ENTRY
- EXISTING RIGHT OF WAY
- EXISTING PROPERTY LIMITS
- EXISTING CENTER LINE
- EXISTING CURB AND GUTTER
- EXISTING SIDEWALK
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- PROPOSED SIDEWALK
- PROPOSED SCHOOL CROSS WALK
- PROPOSED CROSS WALK

0 30 60 120 240
15 45 90 180
GRAPHIC SCALE
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PARCEL ID	APN	PROP. R/W ACQUISITION AREA (SF)	PROP. EASEMENT AREA (SF)	TEMPORARY CONSTRUCTION EASEMENT AREA (SF)	RIGHT OF ENTRY AREA (SF)	OWNER
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CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
RIGHT OF WAY PLAN

SHEET No.
RW-2
SHT-55
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\VRL_RW-1.DWG 4/24/2024 11:05:23 AM

Plans Prepared On:4/24/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

PERIMETER WALL / CEMETERY IMPROVEMENTS

CONSTRUCTION GENERAL NOTES

1. THESE CONTRACT DRAWINGS AND SPECIFICATIONS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: BRACING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOB SITE BEFORE COMMENCEMENT OF WORK AND SHALL IMMEDIATELY REPORT ANY DISCREPANCIES OR OMISSIONS TO THE PROJECT ENGINEER IN WRITING. ANY OMISSION OR CONFLICT BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3. WHERE CONSTRUCTION DETAILS ARE NOT SPECIFICALLY SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS SHOWN FOR SIMILAR CONDITIONS AND MATERIALS. WHERE SUFFICIENTLY SIMILAR WORK IS NOT SHOWN, THE PROJECT ENGINEER SHALL BE CONSULTED FOR CLARIFICATION.
4. EACH SUBCONTRACTOR IS CONSIDERED AN EXPERT IN HIS RESPECTIVE FIELD AND SHALL, PRIOR TO THE SUBMISSION OF BID OR PERFORMANCE OF WORK, NOTIFY THE GENERAL CONTRACTOR OR OWNER OF ANY WORK CALLED OUT ON THE DRAWINGS IN HIS TRADE THAT CANNOT BE GUARANTEED.
5. THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AS TO WEIGHTS AND EXACT LOCATIONS, WITH STRUCTURAL SUPPORTS. IN THE EVENT THAT THE PURCHASED MATERIALS DEVIATES FROM THOSE INDICATED ON THE PLANS, THE PROJECT ENGINEER MUST BE NOTIFIED AND APPROVAL OBTAINED PRIOR TO INSTALLATION.
6. THIS STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENTS ARE PLACE. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY BRACING AS REQUIRED TO INSURE THE VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE, OR ANY PORTION THEREOF, DURING CONSTRUCTION.
7. NEITHER THE CITY OF RIVERSIDE NOR THE PROJECT ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
8. THE PROJECT ENGINEER IS TO BE NOTIFIED IN WRITING WHEN CONSTRUCTION AT THE SITE BEGINS.
9. ANY QUESTIONS RELATED TO INTERPRETATION OR INTENT OF THESE DRAWINGS SHALL BE REFERRED TO THE PROJECT ENGINEER.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO LOCATE AND PROTECT ANY EXISTING UNDERGROUND OR CONCEALED CONDUIT, GROUNDING, PLUMBING, OR OTHER UTILITIES PRIOR TO BEGINNING ANY WORK

MASONRY BLOCK CONSTRUCTION GENERAL NOTES:

1. ALTHOUGH COLORS AND PATTERNS ARE SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT PHYSICAL SAMPLES FROM THE MANUFACTURER TO THE CITY FOR APPROVAL PRIOR TO ORDERING MATERIALS.
2. CMU BLOCKS ARE BASED UPON THE FOLLOWING PRODUCT AND MANUFACTURER:

   MANUFACTURER: ORCO BLOCK AND HARDSCAPE
   4510 RUTILE STREET
   RIVERSIDE, CA 92509
   PHONE: (951) 685-1521
   EMAIL: INFO@ORCO.COM

   PRODUCTS:
   TYPICAL STACKED BOND CMU: BURNISHED BLOCK, NUFAD COLOR
   TYPICAL CMU SIZE: 8" WIDE X 4" HIGH X 16" LONG
   TYPICAL CMU CAP: 8" WIDE X 4" HIGH X 16" LONG BEVELED CAP
   CMU FOR ROCK FACED WALL: PRECISION BLOCK, NATURAL GRAY MW INDIO PLANT COLOR
   TYPICAL CMU SIZE: 8" WIDE X 8" HIGH X 16" LONG
   TYPICAL CMU PILASTERS: 12" WIDE X 8" HIGH X 12" LONG
3. DISTANCE OF THE FOOTING FROM DESCENDING SLOPE SHALL BE PER THE CALIFORNIA BUILDING CODE, LATEST EDITION.
4. SPECIAL INSPECTION IS NOT REQUIRED FOR WALLS.
5. GROUND ELEVATION SHALL BE THE SAME ON BOTH SIDES OF THE WALL, WALL SHALL NOT BE USED TO RETAIN EARTH.
6. ALL WALLS SHALL BE CONSTRUCTED OF THE HIGHEST QUALITY WORKMANSHIP, IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE, LATEST EDITION.
7. MORTAR JOINTS SHALL BE 1/2" MINIMUM. MORTAR SHALL BE FRESHLY PREPARED AND UNIFORMILY MIXED IN RATIO ONE PART CEMENT, 1/4 PART LIME PUTTY, 3-1/2 PARTS SAND, AND SHALL CONFORM TO A.S.T.M. SPECIFICATION 476-71 AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 202.2.1.2.
8. ALL CELLS SHALL BE SOLID-GROUTED, EXCEPT WHERE OTHERWISE NOTED.
9. GROUT SHALL BE OF FLUID CONSISTENCY AND MIXED IN A RATIO OF ONE PART CEMENT, 3 PARTS SAND; OR ONE PART CEMENT, 2 PARTS SAND, 2 PARTS PEA GRAVEL. AGGREGATE SHALL CONFORM TO A.S.T.M. SPECIFICATIONS C 144-70. GROUT SHALL CONFORM TO A.S.T.M. SPECIFICATION C 404-70, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 202.2.1.2.
10. CONCRETE BLOCK MASONRY SHALL COMPLY WITH THE FOLLOWING:
    A. CONCRETE MASONRY SHALL CONFORM TO ASTM C-90, GRADE-N.
    B. MORTAR: TYPE M OR TYPE S.
    C. GROUT ALL CELLS WITH 2000 PSI CONCRETE.
11. INSPECTION SHALL BE OF THE FOLLOWING STEPS:
    1ST. FOUNDATION TRENCH WITH SECURED REINFORCING STEEL.
    2ND. BLOCK WALL WITH REINFORCING STEEL BEFORE GROUT.
    3RD. GROUTED WALL AND WEEPHOLES.
    4TH. BACK FILL AND FINAL LANDSCAPING.
12. WALLS SHALL NOT OBSTRUCT OR CONCENTRATE DRAINAGE.
13. MAXIMUM CONTROL JOINTS SHALL BE AT 20' INTERVALS.
14. MAXIMUM EXPANSION JOINTS SHALK BE AT 100' INTERVALS.

STRUCTURAL STEEL (FENCES AND GATES)

1. UNLESS NOTED OTHERWISE MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE GREENBOOK, PROJECT SPECIFICATIONS, AND THE LATEST EDITION OF THE "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. UNLESS NOTED OTHERWISE MATERIAL AND WORKMANSHIP FOR FABRICATION AND ERECTION SHALL CONFORM TO THE GREENBOOK, PROJECT SPECIFICATIONS, AND THE "CODE OF STANDARD PRACTICE" LATEST EDITION, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
3. STRUCTURAL STEEL FOR THE USE OR LOCATION INDICATED SHALL CONFORM TO THE FOLLOWING:

USE OR LOCATION	ASTM SPECIFICATION	GRADE
STEEL TUBES (COLD FORMED HSS)	A500	GRADE B (Fy=46ksi)
STEEL PIPES	A53	GRADE B (Fy=35ksi)
ROLLED SHAPES (Fy=50ksi)	A572 (A992)	(Fy=50ksi)
PLATES	A36	(Fy=36ksi)

4. NUTS SHALL CONFORM TO ASTM A 563, OF THE TYPE AND GRADE INDICATED. BOLTS OF THE TYPE AND USE INDICATED, UNLESS NOTED OTHERWISE, SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

TYPE	USE	BOLTS	NUTS
MACHINE BOLTS	AS SPECIFIED	A 307 GRADE	HEX GRADE A
ANCHOR BOLTS	ANCHORS	A 307 GRADE A	HEX GRADE A

5. ALL WELDING SHALL CONFORM TO THE GREENBOOK, PROJECT SPECIFICATIONS, AND TO THE PROVISIONS OF AWS D1.1, "STRUCTURAL WELDING CODE-STEEL" OF THE AMERICAN WELDING SOCIETY AND SHALL BE PERFORMED BY CERTIFIED WELDERS QUALIFIED UNDER THE PROCEDURES CONTAINED THEREIN.
6. FILLED METAL USED IN ARC WELDING SHALL BE IN ACCORDANCE WITH TABLE 4.1.1 OF AWS D1.1, "STRUCTURAL WELDING CODE-STEEL" OF THE AMERICAN WELDING SOCIETY. THE MINIMUM NOMINAL TENSILE STRENGTH FOR FILLER METAL SHALL BE 70 KSI.
7. STEEL ITEMS TO BE GALVANIZED SHALL BE COATED IN ACCORDANCE WITH ASTM A 123 WITH A MINIMUM OF 2.5 OUNCES OF ZINC PER SQ. FT.
8. SHOP DRAWINGS FOR STRUCTURAL, MISCELLANEOUS STEEL, SECURITY FENCE AND GATES SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
9. STEEL SHALL BE PRIMED WITH A SHOP APPLIED PRIMER EXCEPT AS FOLLOWS:
   A. STEEL TO BE EMBEDDED IN CONCRETE.
   B. SURFACES WITHIN 2 INCHES OF FIELD WELD LOCATIONS.

REINFORCING STEEL

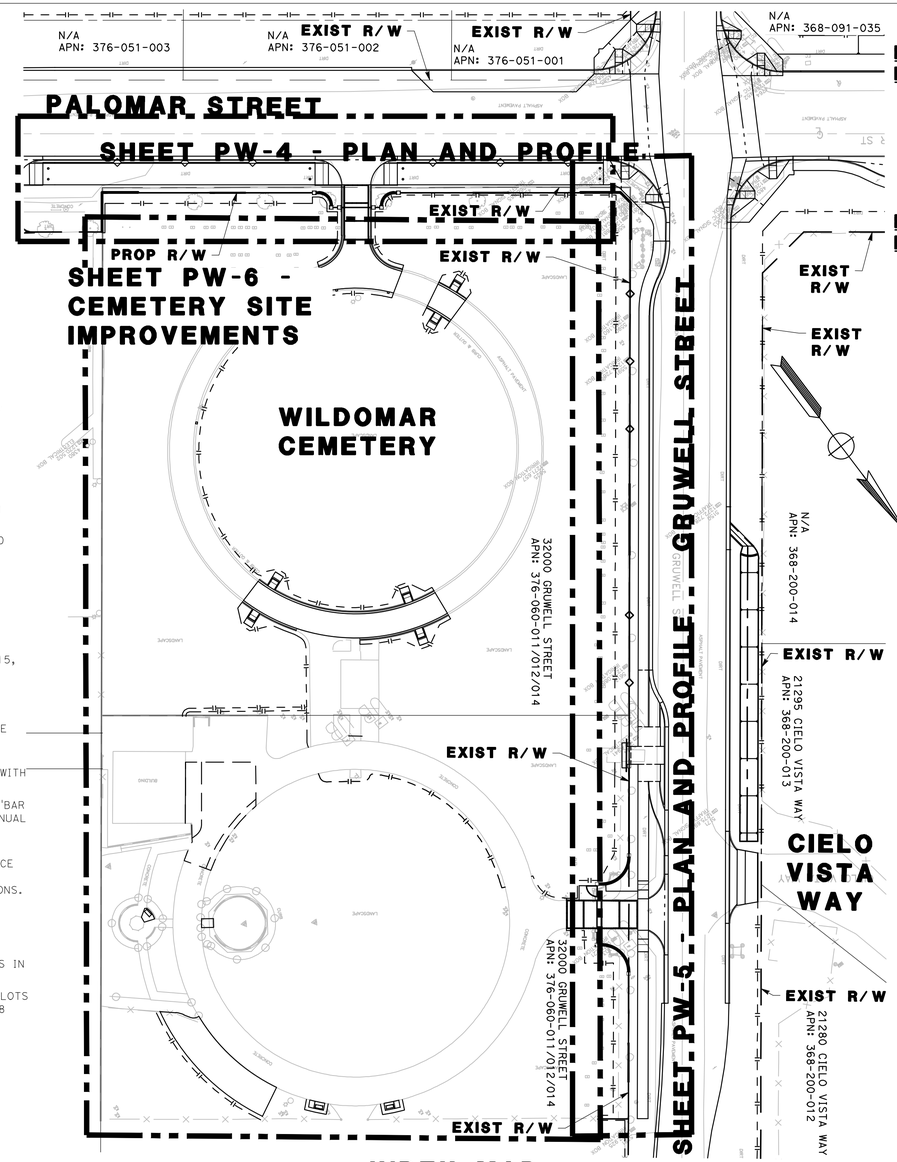
1. BAR REINFORCEMENT SHALL CONFORM TO THE FOLLOWING GRADES OF ASTM A 615, INCLUDING SUPPLEMENT S1.
   GRADE 40 - #3 AND SMALLER
   GRADE 60 - #4 AND LARGER
2. DETAILS OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) 318 AND SECTION 303 OF THE GREENBOOK, UNLESS OTHERWISE NOTED.
3. LAPS AT BAR SPLICES IN CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 303-1.7 OF THE GREENBOOK AND THE PROJECT SPECIFICATIONS.
4. BAR SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF "BAR SUPPORT SPECIFICATIONS" AS CONTAINED IN THE LATEST EDITION OF THE "MANUAL OF STANDARD PRACTICE" BY THE CONCRETE REINFORCING STEEL INSTITUTE (C.R.S.I.), LATEST EDITION AND THE PROJECT SPECIFICATIONS.
5. REINFORCING STEEL DETAILING, BENDING AND PLACING SHALL BE IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE", BY THE C.R.S.I., LATEST EDITION AND THE PROJECT SPECIFICATIONS.
6. ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE BEFORE PLACING CONCRETE OR GROUT.
7. VERTICAL STEEL SHALL BE HELD IN PLACE BY WIRE TIES OR MECHANICAL FASTENERS AT TOP AND BOTTOM OF BARS, BUT NOT EXCEEDING 8 FEET IN SPACING. STEEL PLACEMENT IS CRITICAL AT BASE OF WALLS AND AT CHANGES IN BLOCK SIZE. ADHERE STRICTLY TO THE DIMENSIONS SHOWN ON THE PLANS.
8. HORIZONTAL STEEL IN WALLS SHALL BE PLACED IN BOND BEAM BLOCKS (CUT SLOTS WHERE REQUIRED). BEND HORIZONTAL STEEL AROUND CORNERS AND CONTINUE 48 TIMES THE BAR DIAMETER AND NOT LESS THAN 24".
9. ALL REINFORCING STEEL SHALL BE GRADE 40 WITH A MINIMUM OF 48" LAP.
10. ALL REINFORCING STEEL SHALL MAINTAIN 3" CLEAR TO EARTH.

REINFORCED CONCRETE

1. THE MINIMUM 28-DAYS CYLINDER STRENGTH SHALL BE AS FOLLOWS:

LOCATION	STRENGTH	MAXIMUM SLUMP	MAXIMUM AGGREGATE
FOUNDATIONS	3250 PSI	5"	1"*
GATE TRACK	3250 PSI	5"	1"
CURB	2500 PSI	5"	-

   CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR ALL CONCRETE LISTED ABOVE.
   * DENOTES SPECIAL INSPECTION NOT REQUIRED
2. PORTLAND CEMENT SHALL CONFORM TO THE GREENBOOK, THE PROJECT SPECIFICATIONS, AND TO A.S.T.M. C 150.
3. ALL CONCRETE AGGREGATES UNLESS OTHERWISE NOTED ON PLANS, WILL BE REGULAR WEIGHT HARD ROCK TYPE (150 LBS. / CU. FT.) AGGREGATE SHALL CONFORM TO THE GREENBOOK, THE PROJECT SPECIFICATIONS, AND TO A.S.T.M. C-33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN .04% AS PER A.S.T.M. C-157. DO NOT CHANGE SOURCE OF AGGREGATE DURING COURSE OF WORK WITHOUT PRIOR WRITTEN ACCEPTANCE OF THE ENGINEER.
4. ADMIXTURES SHALL CONFORM TO THE GREENBOOK, THE PROJECT SPECIFICATIONS, AND TO A.S.T.M. C 494, BUT BE OF A TYPE THAT INCREASES THE WORKABILITY OF THE CONCRETE, AND SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED.
5. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH THE GREENBOOK, THE PROJECT SPECIFICATIONS, AND TO ASTM C 94.
6. ALL SLEEVES THROUGH CURB AND FOUNDATION WALLS SHALL BE INSTALLED AND SECURED IN POSITION PRIOR TO PLACING CONCRETE. EXCEPT AS SHOWN ON STRUCTURAL DRAWINGS, SLEEVING SHALL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
7. VIBRATION OF CONCRETE SHALL BE IN ACCORDANCE WITH THE GREENBOOK, THE PROJECT SPECIFICATIONS, AND THE GENERAL PROVISIONS OUTLINED IN PORTLAND CEMENT ASSOCIATION SPECIFICATION ST26.
8. CONCRETE WORK SHALL CONFORM TO THE GREENBOOK, THE PROJECT SPECIFICATIONS, AND TO ALL REQUIREMENTS OF LATEST A.C.I. 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS.
9. MINIMUM CONCRETE COVER (IN INCHES) FOR REINFORCING STEEL IN CAST-IN-PLACE CONCRETE SHALL BE 3".
10. WHEN THE TEMPERATURE RISES ABOUT 80° F AND SPECIALLY WHEN THE RELATIVE HUMIDITY FALLS BELOW 25% THE CONTRACTOR SHOULD FOLLOW HOT WEATHER CONCRETING IN ACCORDANCE WITH A.C.I. 305R-91 DURING HOT WEATHER. BE PREPARED TO USE FOG SPRAY OR OTHER PRECAUTIONS ACCEPTABLE TO ARCHITECT WHEN RATE OF EVAPORATION EQUALS OF EXCEEDS 0.2 POUNDS PER SQUARE FOOT PER HOUR. REFER TO SURFACE EVAPORATION CHART TO ESTIMATE RATE OF SURFACE UNDER EVAPORATION.
11. THE ULTIMATE COMPRESSIVE STRENGTH REQUIRED FOR FOUNDATION CONCRETE SHALL BE OF 2000 PSI.
12. ALL FOOTINGS SHALL BE A MINIMUM OF 5' TO A DAYLIGHT SLOPE.
13. CONTRACTOR SHALL ENSURE ALL EXCAVATION AREAS FOR FOOTINGS ARE FREE AND CLEAR OF LOOSE DEBRIS PRIOR TO POURING FOOTINGS ON UNDISTURBED NATIVE SOIL.



INDEX MAP
NTS

PERIMETER WALL / CEMETERY IMPROVEMENT SHEET INDEX:

SHEET NO.	SHEET TITLE
1	CEMETERY IMPROVEMENT TITLE
2	PERIMETER WALL DETAILS
3	PERIMETER FENCING AND WALL DETAILS
4 & 5	PERIMETER WALL - PLAN & PROFILE
6 & 7	CEMETERY SITE IMPROVEMENTS

PERIMETER WALL / CEMETERY IMPROVEMENT SHEET NOTES:

1. CONSTRUCT CMU STACKED BOND PERIMETER WALL PER DETAILS ON SHEET PW-2.
2. CONSTRUCT ROCK FACED CMU PERIMETER WALL PER DETAILS ON SHEET PW-2, REFER TO SD-1 AND SD-2 FOR AESTHETICS.
3. CONSTRUCT ROCK FACED CMU PERIMETER WALL PILASTER PER DETAILS ON SHEET PW-2, REFER TO SD-1 AND SD-2 FOR AESTHETICS.
4. INSTALL DECORATIVE AUTOMATED WROUGHT IRON GATE (GRUWELL), SEE SD-2 FOR DETAILS.
5. INSTALL DECORATIVE AUTOMATED WROUGHT IRON GATE (PALOMAR), SEE SD-1 FOR DETAILS.
6. INSTALL DECORATIVE WROUGHT IRON SWING GATE (PEDESTRIAN), SEE SD-2 FOR DETAILS.
7. INSTALL DECORATIVE WROUGHT IRON SLIDING GATE (WASTE ENCLOSURE) PER DETAIL ON SHEET PW-3.
8. INSTALL 4'-6" HIGH DECORATIVE WROUGHT IRON FENCE, PER DETAIL ON SHEET PW-3.
9. NOT USED.
10. CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH=1')
11. CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.
12. CONSTRUCT 6" THICK PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE.
13. CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET C-1.
14. REMOVE CONCRETE PAVERS AND REINSTALL CONCRETE PAVERS OVER 4" CRUSHED AGGREGATE BASE OVER 12" COMPACTED SUBGRADE WITHIN A CONTINUOUS 2"X6" TREATED LIMBER HEADER PER DETAILS ON THIS SHEET.
15. INSTALL 6" WHITE THERMOPLASITC STRIPE
16. INSTALL 24" WIDE X 24" DEEP X (34-36" PER DETAIL) TALL MINIMUM (WITH 4" EMBEDDED BELOW ADJACENT SURFACE GRADES) CAST IN PLACE PCC CONCRETE PLINT WITH PLACQUE TO MATCH EXISTING STYLE AND AESTHETICS INDICATING "COLUMDARUM MAIN ENTRY" MOUNTED TO PLINT TOP SURFACE. SEE DETAIL ON THIS SHEET FOR PLINTH AND PLACQUE DETAIL.
17. INSTALL MAIN OFFICE ENTRY SIGN ON A CHAIN AND POSTS PER DETAIL ON THIS SHEET.
18. INSTALL BENCH BY DUMOR, INC PER DETAIL ON SHEET SD-3.
19. INSTALL 4' HIGH CHAIN LINK FENCE PER STD PLANS FOR PUBLIC WORKS CONSTRUCTION STD. NO. 600-4.
20. INSTALL 6'-6" DECORATIVE WROUGHT IRON FENCE, SEE SD-1 AND SD-2 DETAILS.
21. CONSTRUCT 4" PCC CASE F CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. FIELD VERIFY THAT CURB RAMP DOES NOT IMPACT CEMETERY HEADSTONES.
22. GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.
23. INSTALL 1 1/2" SCHEDULE GRAY PVC CONDUIT WITH 3-#10 WIRES, MINIMUM 6" DEPTH AND +/- 1' FROM THE EDGE OF HEADSTONES.
24. INSTALL PULL BOX TYPE NO 3 1/2 PER CALTRANS STD PLAN NO. ES-8A.
25. INSTALL TYPE II RUBBERIZED EMULSION-AGGREGATE SLURRY (REAS) COAT.

ISSUED FOR BID

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_PW-1.DWG 6/17/2024 4:02:17 PM

DIGALERT — CALL BEFORE YOU DIG — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: Kimberly Barling
KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
CEMETERY IMPROVEMENTS TITLE

SHEET No. PW—1 SHT—56
OF 80 SHTS

Plans Prepared On:4/23/24

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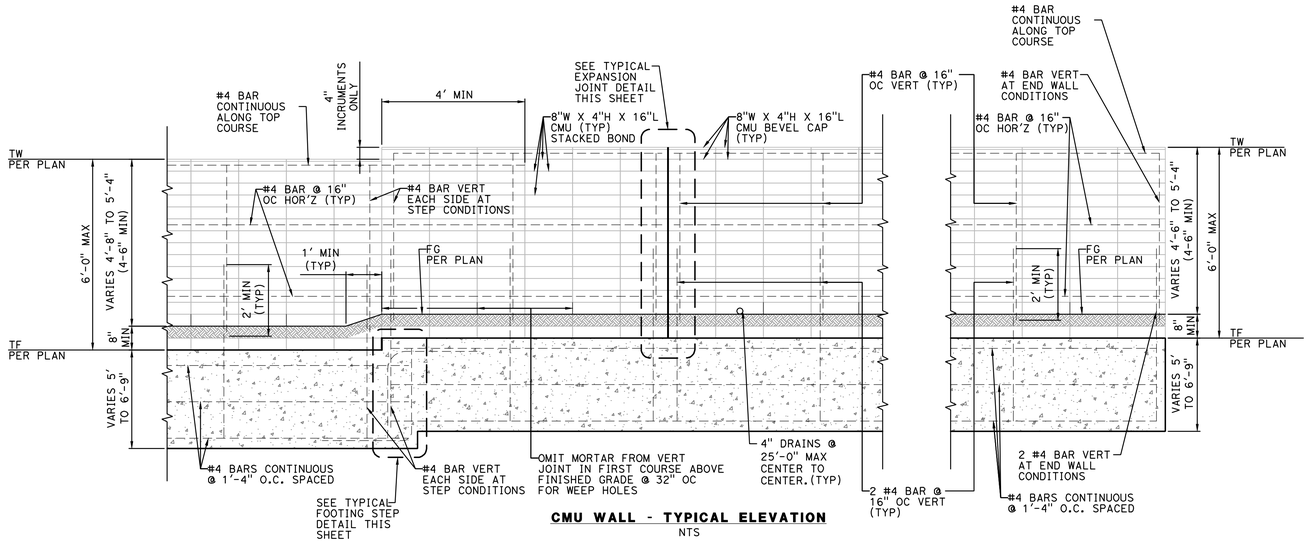
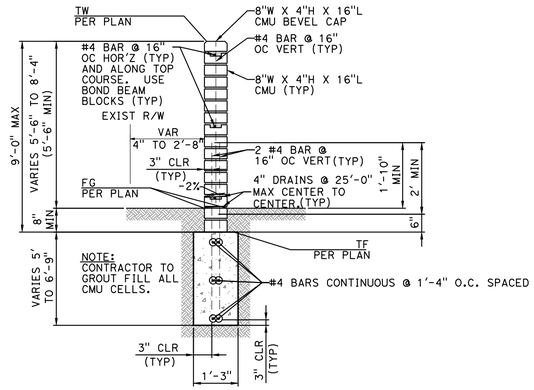


CMU WALL - TYPICAL ELEVATION
NTS



4" CMU STACKED BOND WALL TYPICAL SECTION
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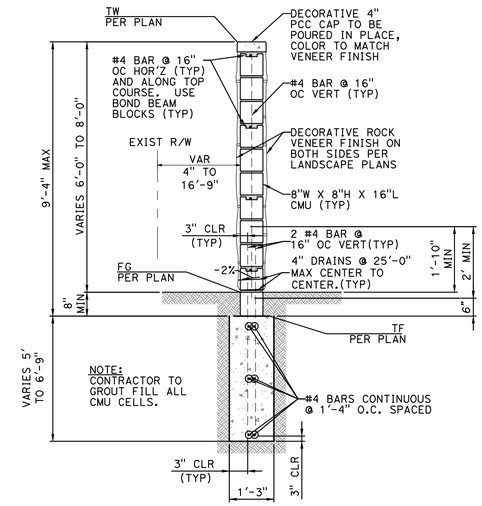

TYPICAL ROCK FACED WALL SECTION
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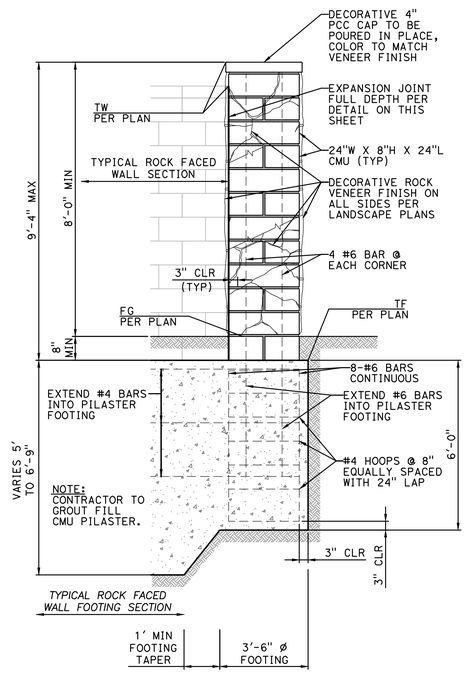
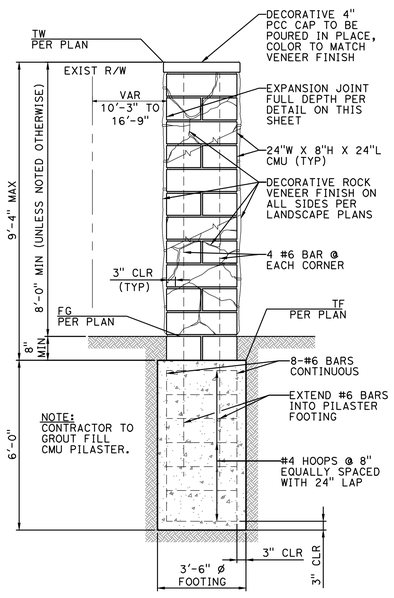
CMU WALL - TYPICAL ELEVATION



AT ROCK FACED WALL CONNECTIONS



STAND ALONE PILASTERS

TYPICAL ROCK FACED WALL PILASTER SECTION
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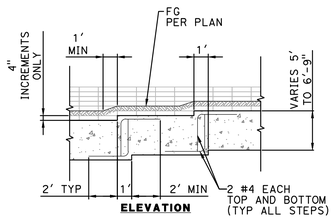
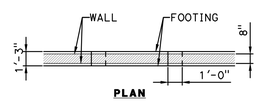


ELEVATION



PLAN

TYPICAL FOOTING STEPS
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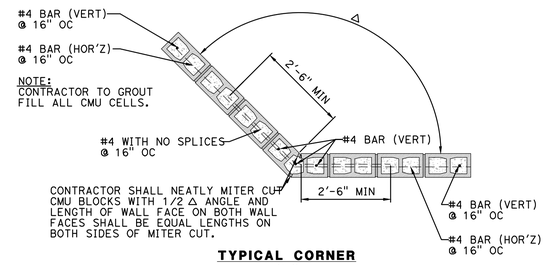

TYPICAL CORNER
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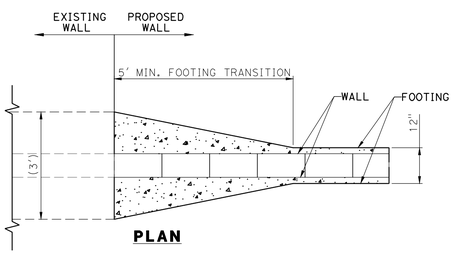
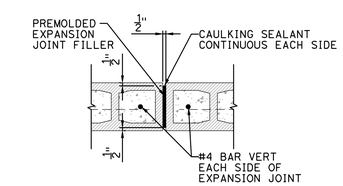


PLAN



TYPICAL EXPANSION JOINT
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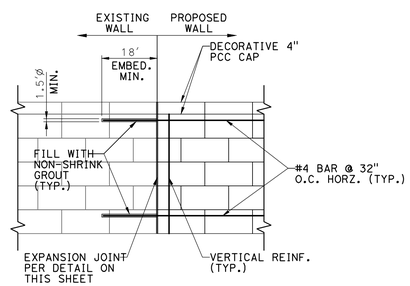

TYPICAL WALL JOIN DETAIL
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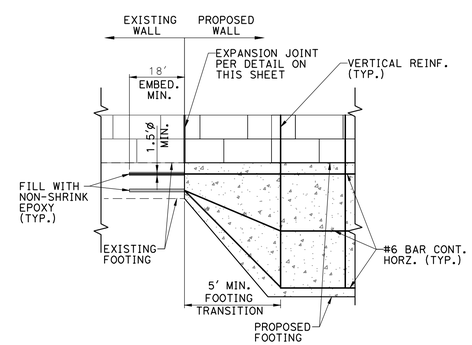

ELEVATION

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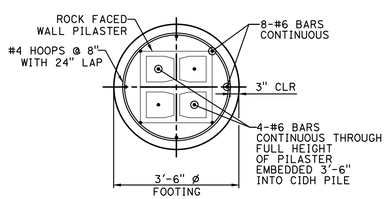

PILASTER FOOTING PLAN - CIDH PILE

ISSUED FOR BID

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Date:
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CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
PERIMETER WALL DETAILS

SHEET No. PW-2 SHT-57 OF 80 SHTS

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Plans Prepared On:6/14/24

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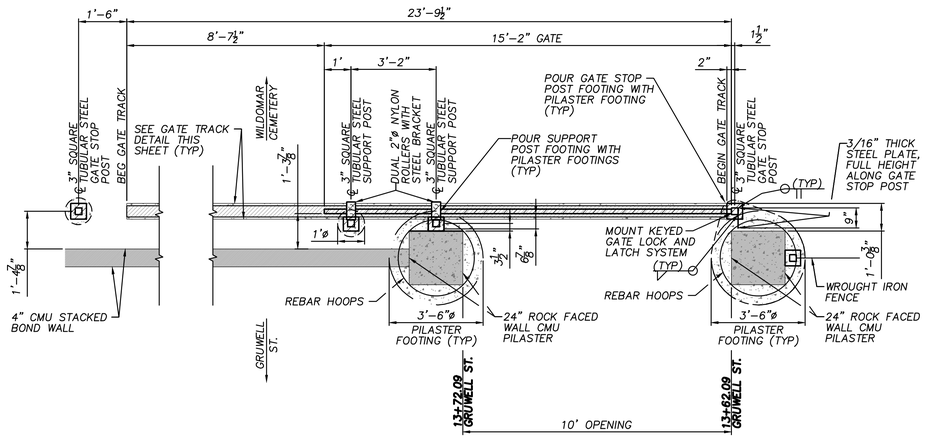
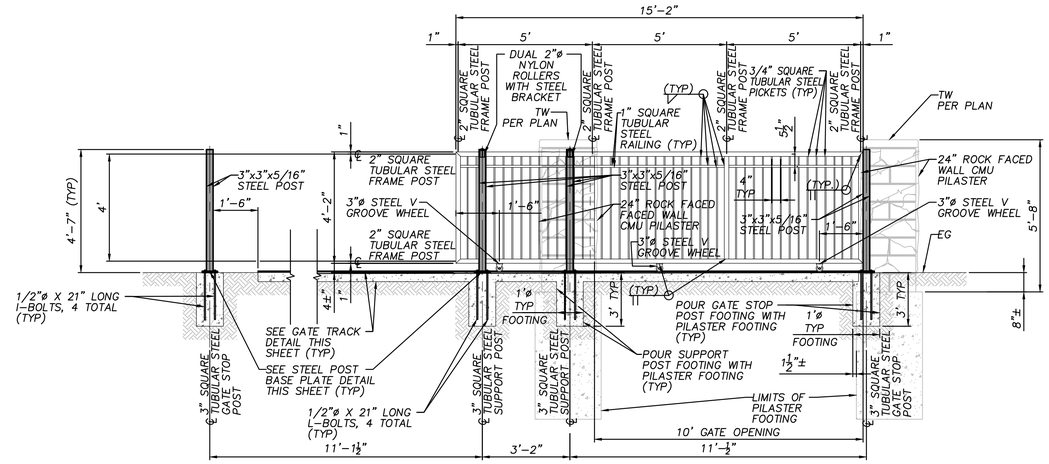
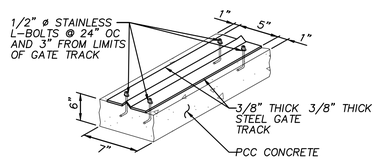


TYPICAL PLAN VIEW

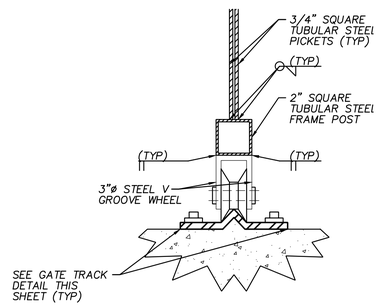


TYPICAL ELEVATION



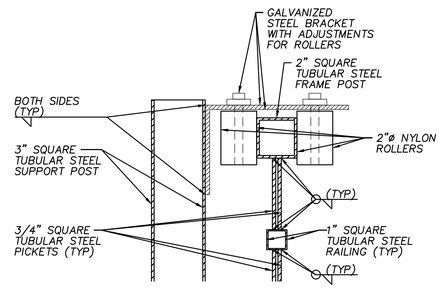
TYPICAL GATE TRACK DETAIL

SCALE: NTS



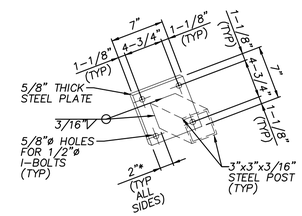
TYPICAL METAL GATE WHEEL

SCALE: NTS
BOTTOM OF GATE



TYPICAL NYLON WHEEL GATE ROLLERS

SCALE: NTS
TOP OF GATE

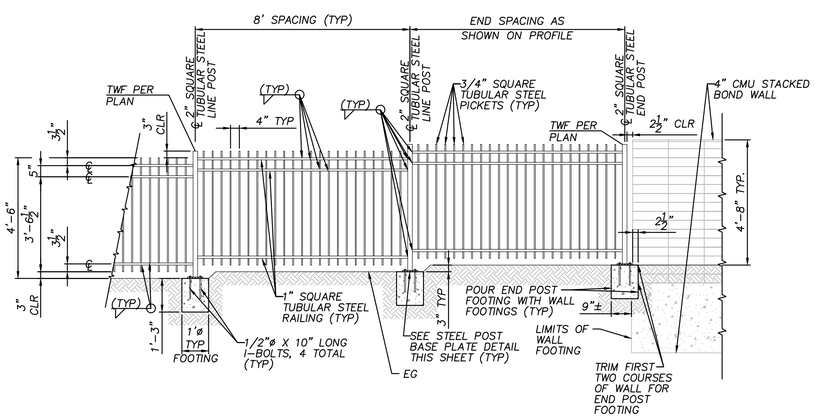


TYPICAL STEEL POST BASE PLATE DETAIL

SCALE: NTS
* DENOTES 1-3/8" FOR STEEL SUPPORT POSTS ON SIDE IMMEDIATELY ADJACENT TO GATE TRACK.

WROUGHT IRON SLIDING GATE

SCALE: NTS



TYPICAL WROUGHT IRON FENCE

SCALE: NTS

ISSUED FOR BID

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

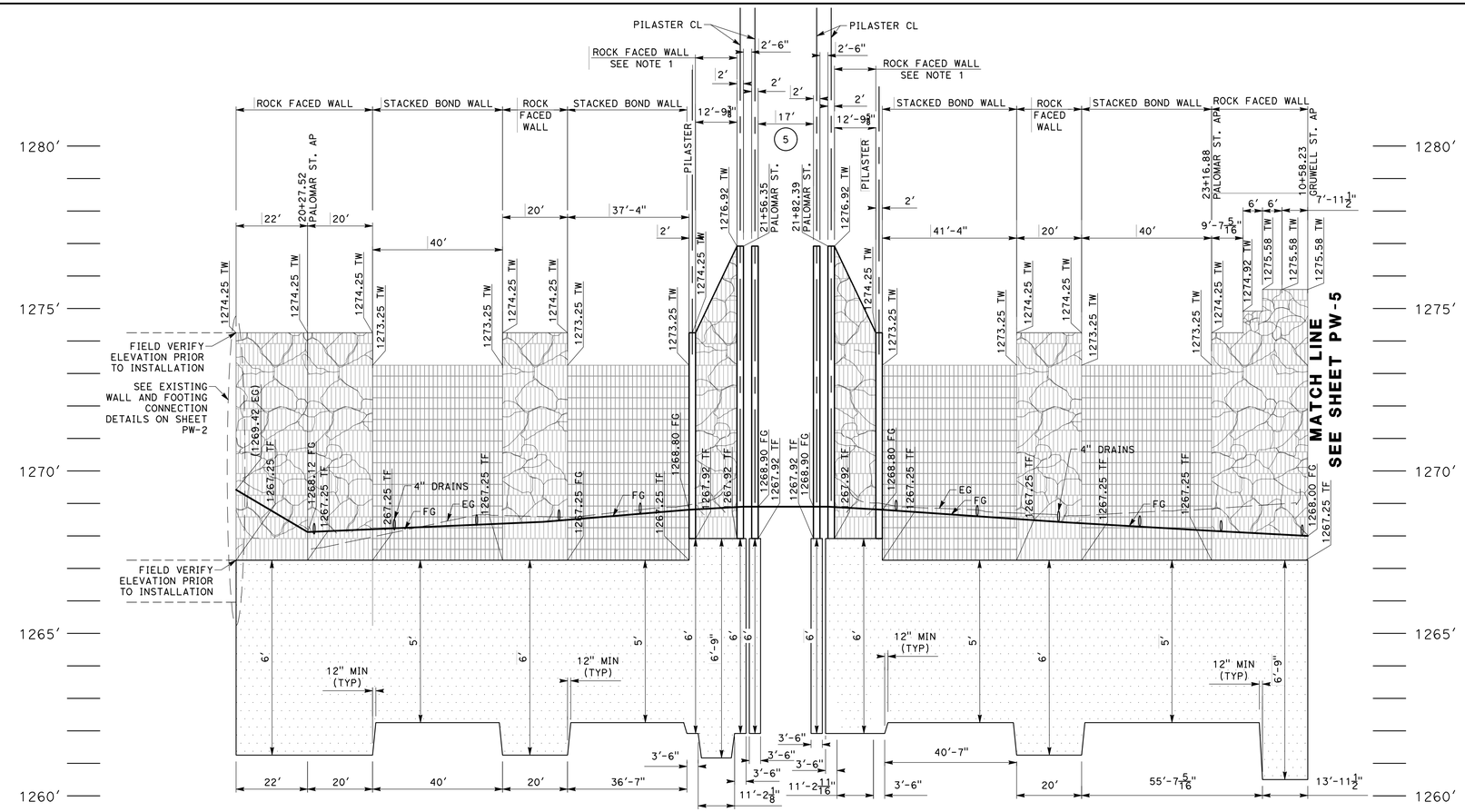
PERIMETER FENCING AND GATE DETAILS

SHEET No. PW-3 SHT-58
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_PW-3.DWG 6/14/2024 11:54:54 AM

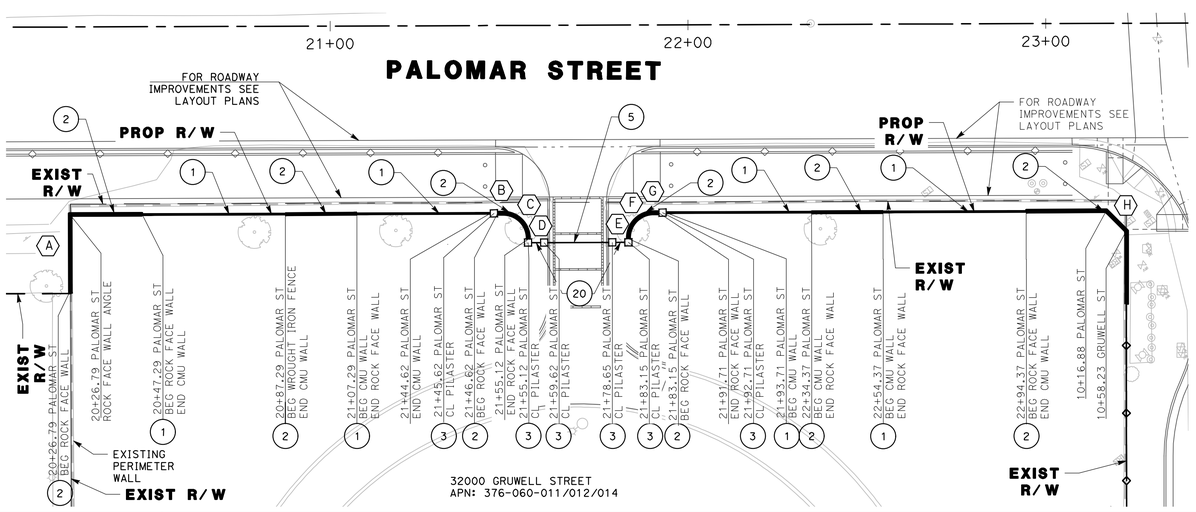
Plans Prepared On:6/14/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



PALOMAR STREET - PERIMETER WALL PROFILE

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'



CONSTRUCTION NOTES

1. CONSTRUCT CMU STACKED BOND PERIMETER WALL PER DETAILS ON SHEET PW-2.
2. CONSTRUCT ROCK FACED CMU PERIMETER WALL PER DETAILS ON SHEET PW-2, REFER TO SD-1 AND SD-2 FOR AESTHETICS.
3. CONSTRUCT ROCK FACED CMU PERIMETER WALL PILASTER PER DETAILS ON SHEET PW-2, REFER TO SD-1 AND SD-2 FOR AESTHETICS.
5. INSTALL DECORATIVE AUTOMATED WROUGHT IRON GATE (PALOMAR), SEE SD-1 FOR DETAILS.
20. INSTALL 6'-6" DECORATIVE WROUGHT IRON FENCE, SEE SD-1 AND SD-2 DETAILS.

CURVE TABLE

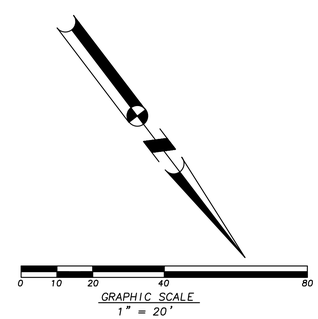
CURVE #	RADIUS	DELTA	TANGENT	LENGTH
C	7.50	90°00'00"	7.50	11.78
F	7.50	90°00'00"	7.50	11.78

LINE TABLE

LINE #	LENGTH	DIRECTION
A	22.50'	N37°05'46"E
B	1.50'	S52°54'14"E
D	0.23'	S37°05'46"W
E	0.23'	N37°05'46"E
G	1.56'	S52°54'14"E
H	8.36'	S7°54'17"E

NOTE TO CONTRACTOR

1. CONTRACTOR SHALL CUT TOP WALL COURSE TO PROVIDE A GRADUAL AND UNIFORM RISE IN ELEVATION ALONG THE TOP OF THE WALL BETWEEN PILASTERS.



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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

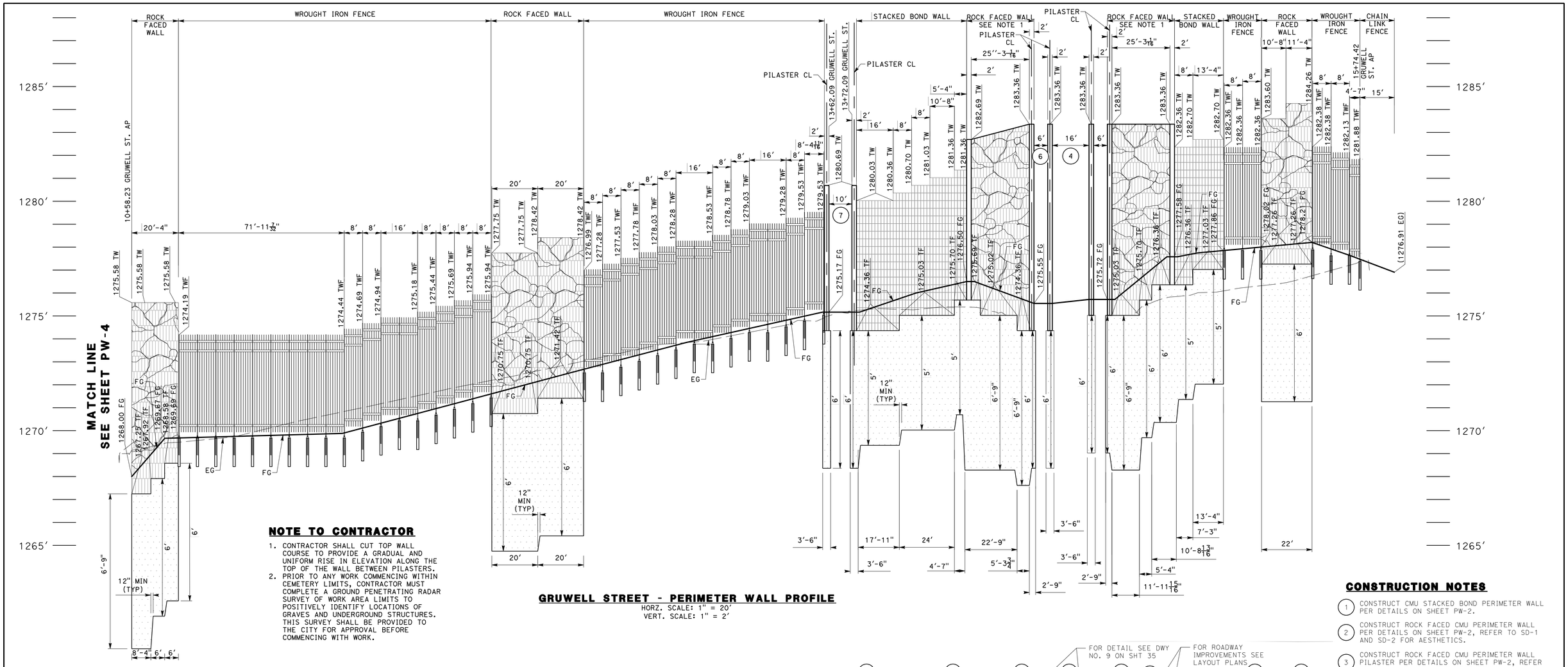
PERIMETER WALL - PLAN & PROFILE

SHEET No. PW-4 SHT-59
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_PW-4.DWG 6/14/2024 8:11:10 AM

Plans Prepared On:6/13/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



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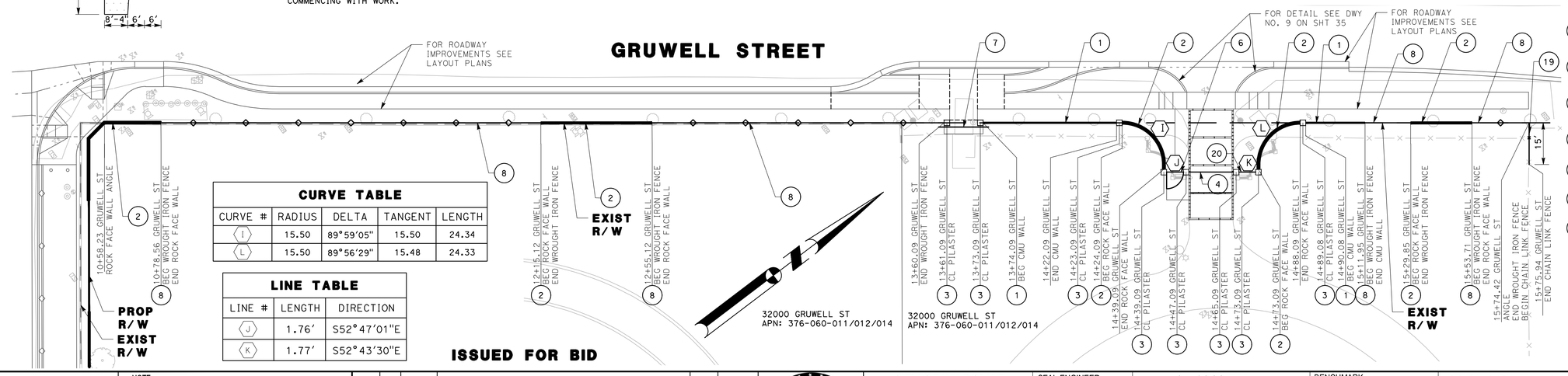
GRUWELL STREET - PERIMETER WALL PROFILE

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'



CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
I	15.50	89°59'05"	15.50	24.34
L	15.50	89°56'29"	15.48	24.33

LINE TABLE

LINE #	LENGTH	DIRECTION
J	1.76'	S52°47'01"E
K	1.77'	S52°43'30"E

ISSUED FOR BID

CONSTRUCTION NOTES

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4. INSTALL DECORATIVE AUTOMATED WROUGHT IRON GATE (GRUWELL), SEE SD-2 FOR DETAILS.
6. INSTALL DECORATIVE WROUGHT IRON SWING GATE (PEDESTRIAN), SEE SD-2 FOR DETAILS.
7. INSTALL DECORATIVE WROUGHT IRON SLIDING GATE (WASTE ENCLOSURE) PER DETAIL ON SHEET PW-3.
8. INSTALL 4'-6" HIGH DECORATIVE WROUGHT IRON FENCE, PER DETAIL ON SHEET PW-3.
19. INSTALL 4' HIGH CHAIN LINK FENCE PER STD PLANS FOR PUBLIC WORKS CONSTRUCTION STD. NO. 600-4.
20. INSTALL 6'-6" DECORATIVE WROUGHT IRON FENCE, SEE SD-1 AND SD-2 DETAILS.

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

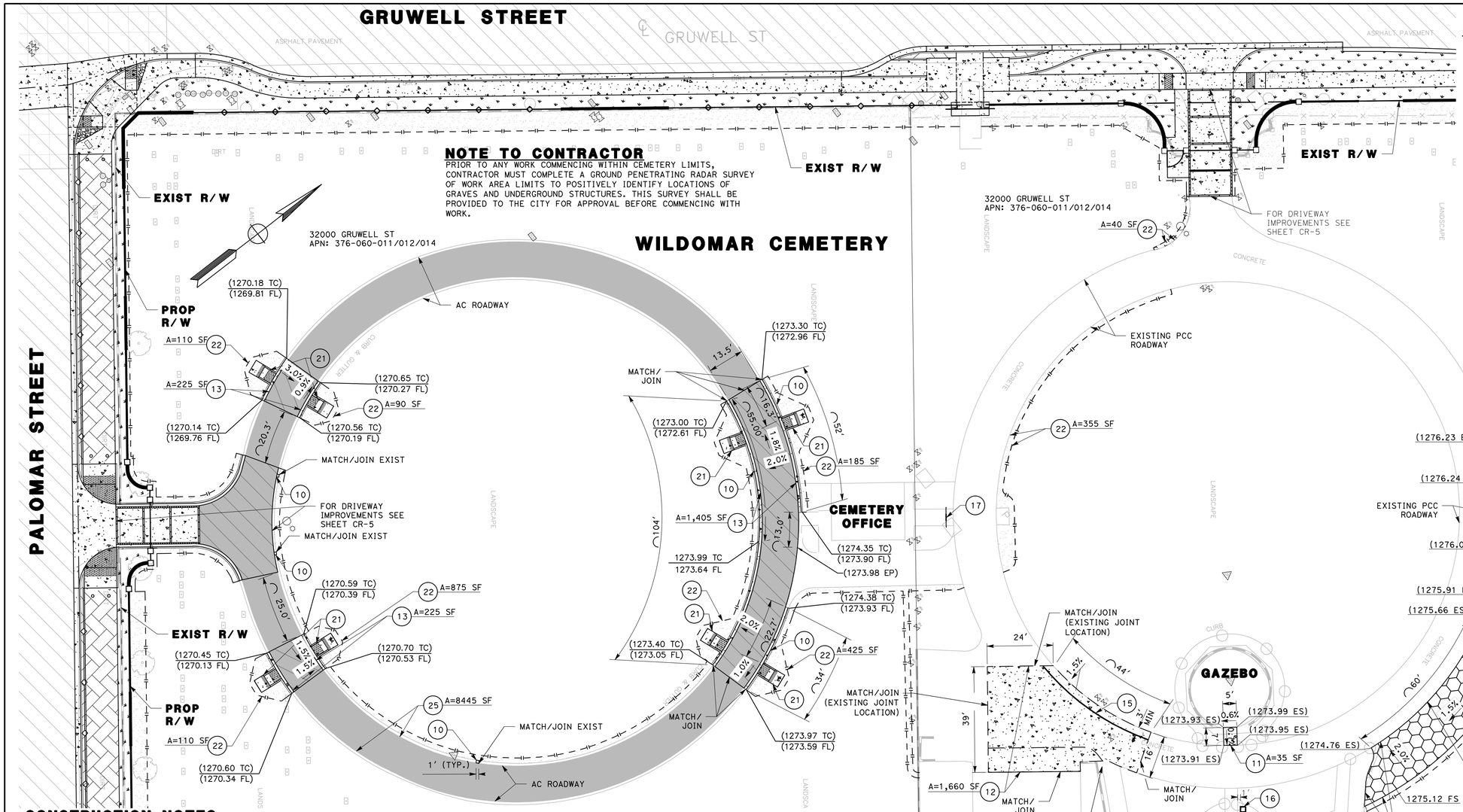
PERIMETER WALL - PLAN & PROFILE

SHEET No. PW-5 SHT-60
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_PW-5.DWG 6/17/2024 3:26:16 PM

Plans Prepared On:6/14/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



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BENCH GENERAL NOTES

1. THIS DESIGN IS BASED UPON THE FOLLOWING PRODUCT AND MANUFACTURER:

   MANUFACTURER: DUMOR, INC.
   P.O. BOX 142
   MIFFLINTOWN, PA 17059

   PHONE: (800) 598-4018

   EMAIL: SALES@DUMOR.COM

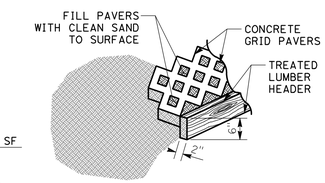
   PRODUCT: 119-60;
   6' CAST STEEL BENCH, STEEL SEAT

   A PRODUCT AND MANUFACTURER OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY THE CITY PRIOR TO OPENING OF BIDS.

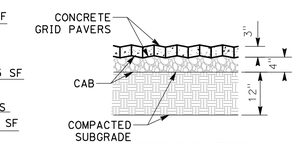
2. COLOR: BENCH MATERIAL SHALL BE CAST STEEL METAL FINISH SHALL BE BRONZE, CONTRACTOR SHALL PROVIDE CITY PHYSICAL SAMPLES FOR APPROVAL PRIOR TO PLACING ORDER OF PRODUCT.

3. UPON RECEIPT OF PREFABRICATED PRODUCTS AT THE JOB SITE, THE CONTRACTOR SHALL VERIFY THOSE PRODUCTS ARE FREE OF CRACKS AND DEFECTS PRIOR TO INSTALLATION. ANY PREFABRICATED PRODUCTS FOUND TO HAVE DEFECTS SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE CITY.

4. BENCH TO BE SURFACE MOUNTED PER MANUFACTURERS INSTRUCTIONS.

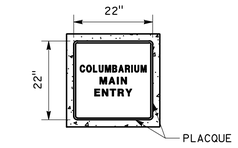


TREATED LUMBER HEADER

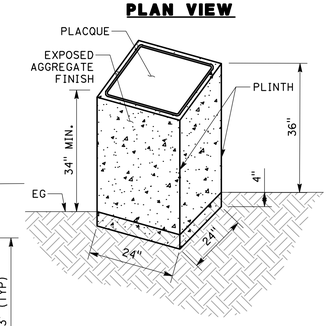


BRICK PAVERS

BRICK PAVER DETAILS
N.T.S.



PLAN VIEW



SECTION VIEW

COLUMBARIUM PLAQUE
N.T.S.

0 10 20 40 80
GRAPHIC SCALE
1" = 20'

CONSTRUCTION NOTES

(10) CONSTRUCT TYPE A-6 PCC CURB AND GUTTER OVER 6" CAB OVER COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 200. (GUTTER WIDTH=1')

(11) CONSTRUCT 4" PCC SIDEWALK OVER 12" COMPACTED SUBGRADE PER RIVERSIDE COUNTY STD NO. 401.

(12) CONSTRUCT 6" THICK PCC PAVEMENT OVER 6" CAB OVER 12" COMPACTED SUBGRADE.

(13) CONSTRUCT 2" THICK C-PG64-16 HMA SURFACE COURSE OVER 2" B-PG64-10 HMA BASE COURSE OVER 6" CAB OVER 12" COMPACTED SUBGRADE PER DETAIL 6 ON SHEET C-1.

(14) REMOVE CONCRETE PAVERS AND REINSTALL CONCRETE PAVERS OVER 4" CRUSHED AGGREGATE BASE OVER 12" COMPACTED SUBGRADE WITHIN A CONTINUOUS 2"X6" TREATED LIMBER HEADER PER DETAILS ON THIS SHEET.

(15) INSTALL 6" WHITE THERMOPLASITC STRIPE

(16) INSTALL 24" WIDE X 24" DEEP X (34-36" PER DETAIL) TALL MINIMUM (WITH 4" EMBEDDED BELOW ADJACENT SURFACE GRADES) CAST IN PLACE PCC CONCRETE PLINT WITH PLACQUE TO MATCH EXISTING STYLE AND AESTHETICS INDICATING "COLUMDARUM MAIN ENTRY" MOUNTED TO PLINT TOP SURFACE. SEE DETAIL ON THIS SHEET FOR PLINTH AND PLACQUE DETAIL.

(17) INSTALL MAIN OFFICE ENTRY SIGN ON A CHAIN AND POSTS PER DETAIL ON THIS SHEET.

(18) INSTALL BENCH BY DUMOR, INC PER DETAIL ON SHEET SD-3.

(21) CONSTRUCT 4" PCC CASE F CURB RAMP OVER 12" COMPACTED SUBGRADE PER MODIFIED CALTRANS STD PLAN A88A. FIELD VERIFY THAT CURB RAMP DOES NOT IMPACT CEMETERY HEADSTONES.

(22) GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.

(25) INSTALL TYPE II RUBBERIZED EMULSION-AGGREGATE SLURRY (REAS) COAT.

LEGEND

(10) (11) (12) CONSTRUCT PCC CONCRETE

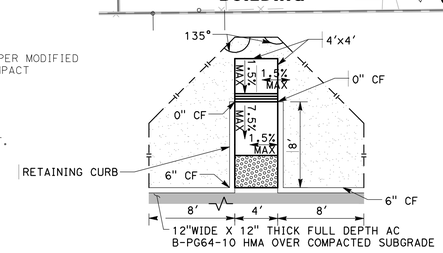
(13) CONSTRUCT AC/BASE

(25) REAS SEAL

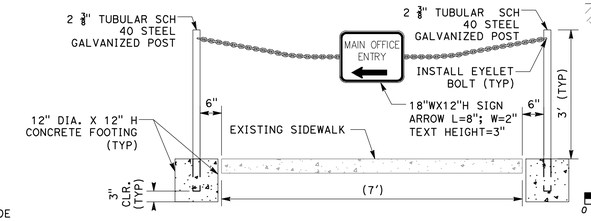
(14) ADJUST PAVERS TO GRADE

(22) GRADE TO DRAIN (MATCH EXISTING LANDSCAPING/IRRIGATION)

ISSUED FOR BID



CURB RAMP GENERAL DETAIL
N.T.S.



CEMETERY OFFICE SIGNAGE DETAIL
N.T.S.

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CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

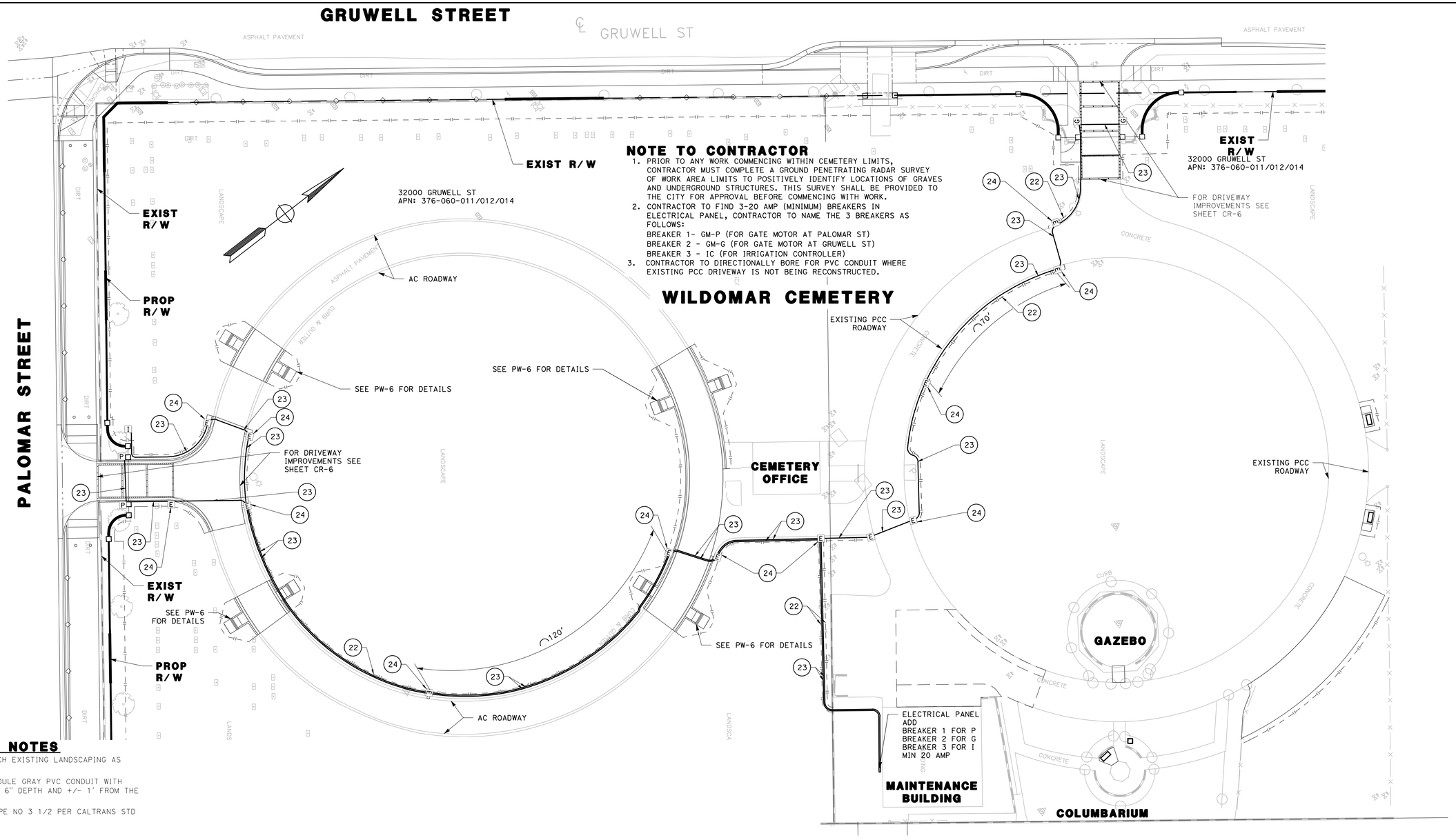
CEMETERY SITE IMPROVEMENTS

SHEET No. PW-6 SHT-61 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_PW-6.DWG 4/30/2024 4:19:54 PM

Plans Prepared On:4/23/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



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2. CONTRACTOR TO FIND 3-20 AMP (MINIMUM) BREAKERS IN ELECTRICAL PANEL, CONTRACTOR TO NAME THE 3 BREAKERS AS FOLLOWS:
   BREAKER 1- GM-P (FOR GATE MOTOR AT PALOMAR ST)
   BREAKER 2 - GM-G (FOR GATE MOTOR AT GRUWELL ST)
   BREAKER 3 - IC (FOR IRRIGATION CONTROLLER)
3. CONTRACTOR TO DIRECTIONALLY BORE FOR PVC CONDUIT WHERE EXISTING PCC DRIVEWAY IS NOT BEING RECONSTRUCTED.

CONSTRUCTION NOTES

(22) GRADE TO DRAIN, MATCH EXISTING LANDSCAPING AS APPLICABLE.

(23) INSTALL 1 1/2" SCHEDULE GRAY PVC CONDUIT WITH 3-#10 WIRES, MINIMUM 6" DEPTH AND +/- 1' FROM THE EDGE OF HEADSTONES.

(24) INSTALL PULL BOX TYPE NO 3 1/2 PER CALTRANS STD PLAN NO. ES-8A.

BREAKER LEGEND

- [I] IRRIGATION CONTROLLER
- [P] GATE MOTOR- PALOMAR ST
- [G] GATE MOTOR- GRUWELL ST
- [E] ELECTRICAL PULL BOX

0 10 20 40 80
GRAPHIC SCALE
1" = 20'

ISSUED FOR BID

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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
REGISTERED PROFESSIONAL ENGINEER — KIMBERLY BARLING — No. C92279 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: KIMBERLY BARLING
R.C.E. No. C92279 EXP. 06/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.

THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE:
H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

CEMETERY SITE IMPROVEMENTS

SHEET No. PW-7 SHT-62
OF 80 SHTS

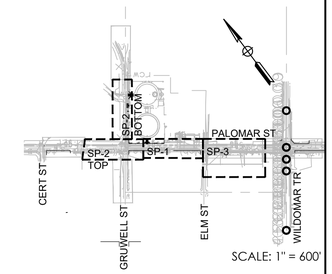
J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\SHEETS\WIL_PW-7.DWG 4/29/2024 11:15:06 AM

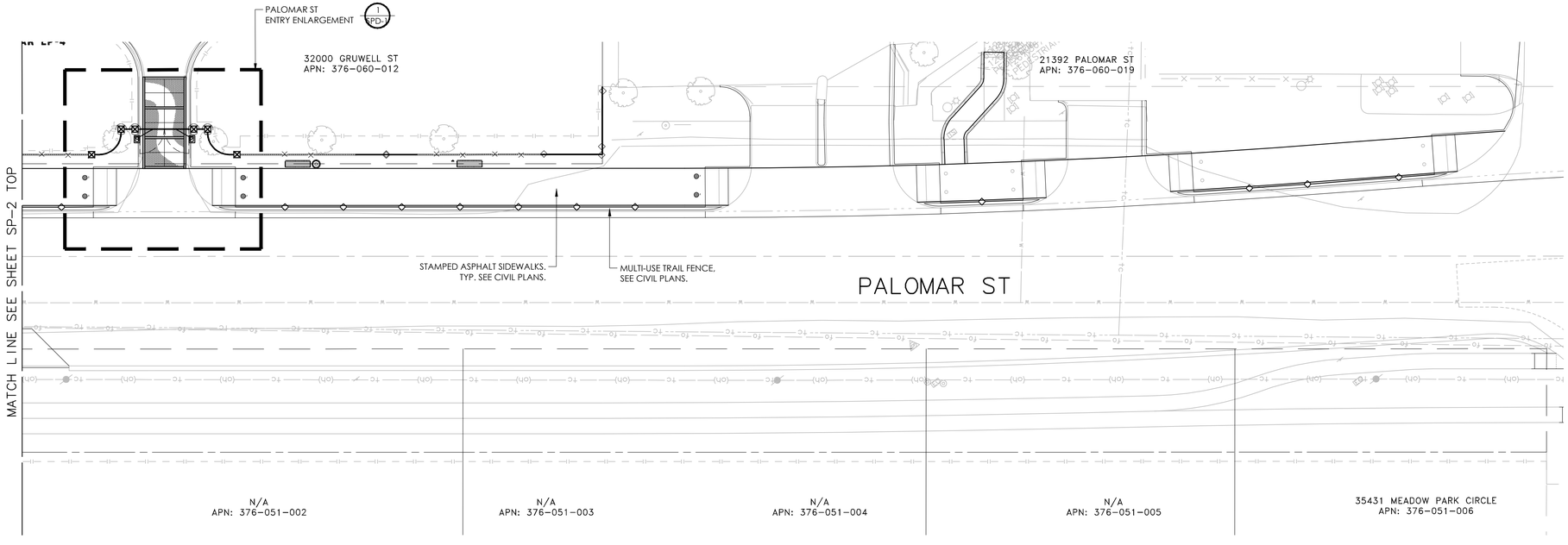
Plans Prepared On:4/22/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

LAYOUT LEGEND

SYMBOL	DESCRIPTION
	BOLLARD (3 / SD-3)
	BENCH (1 / SD-3)
	PET STATION (2 / SD-3)
	TRASH/ RECYCLE RECEPTACLE, SEE SPECS. (4 / SD-3)
	ROCK FACE WALL SEE CIVIL PLANS.
	CMU WALL, SEE CIVIL PLANS.
	PILASTER, SEE CIVIL PLAN PLANS.
	ORNAMENTAL METAL FENCE, SEE CIVIL PLANS.





SCALE: 1" = 20'

0' 10' 20' 40'

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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	ENGINEER			CITY	

CITY OF WILDOMAR
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Date:
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
LICENSED LANDSCAPE ARCHITECT 900 LTD PROF — Signature 08-30-2023 Renewal Date — Date — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

SITE PLAN

SHEET No. SP-1 SHT-63

OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - SP.DWG 4/25/2024 11:55:06 AM

Plans Prepared On:4/12/24

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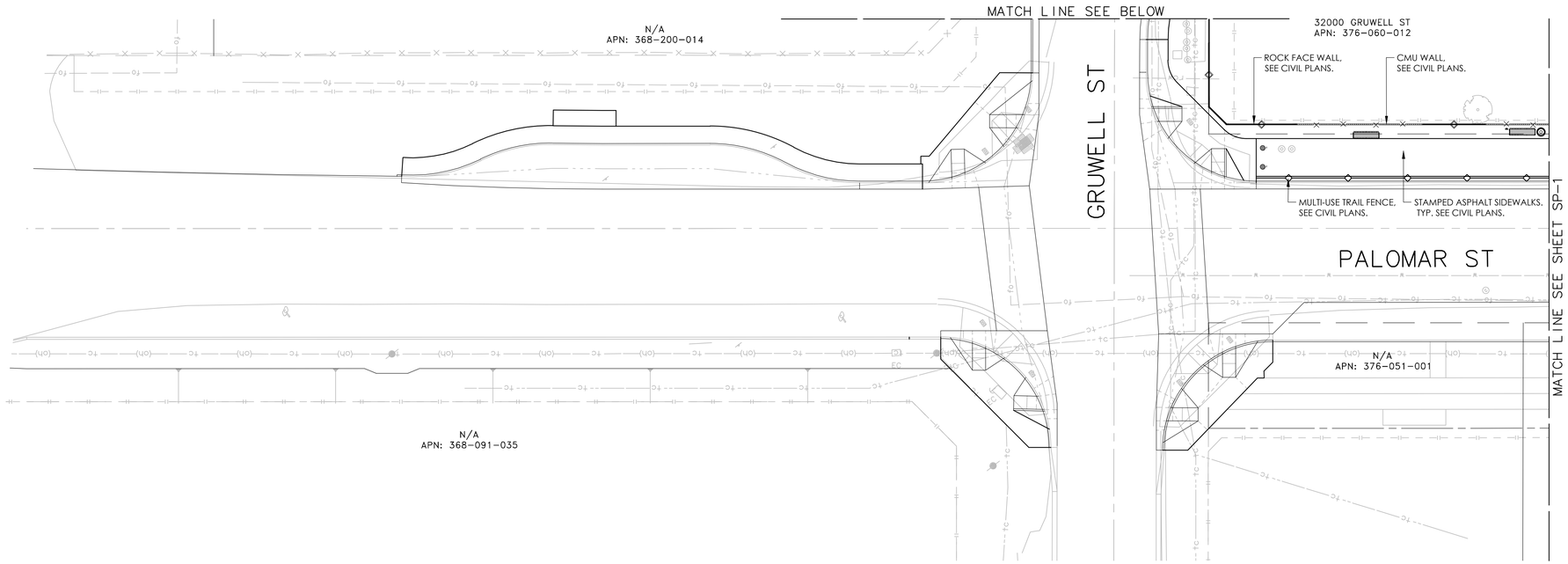
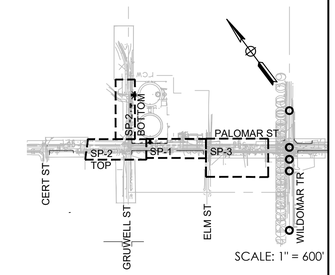
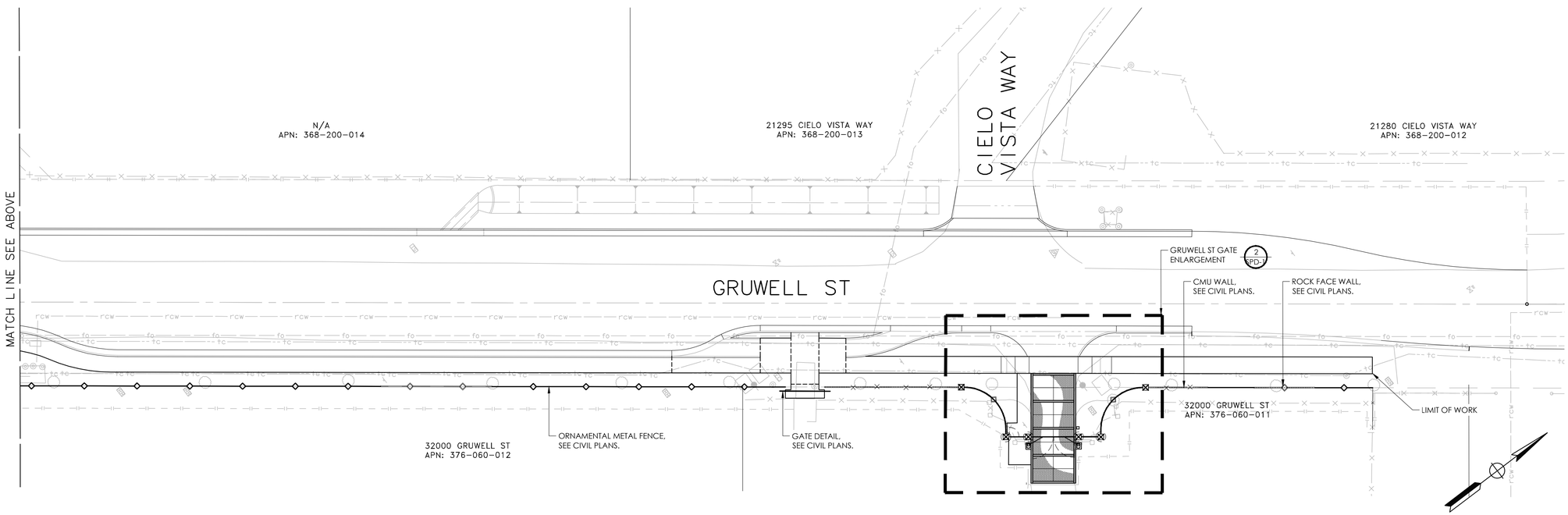




SCALE: 1" = 600'

LAYOUT LEGEND

SYMBOL	DESCRIPTION
	BOLLARD (3 / SD-3)
	BENCH (1 / SD-3)
	PET STATION (2 / SD-3)
	TRASH/ RECYCLE RECEPTACLE, SEE SPECS. (4 / SD-3)
	ROCK FACE WALL SEE CIVIL PLANS.
	CMU WALL, SEE CIVIL PLANS.
	PILASTER, SEE CIVIL PLAN PLANS.
	ORNAMENTAL METAL FENCE, SEE CIVIL PLANS.



SCALE: 1" = 20'

0' 10' 20' 40'

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Date:
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ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
LICENSED LANDSCAPE ARCHITECT JINGWEN GUO LA 6563 STATE OF CALIFORNIA
Signature 09-30-2025 Renewal Date

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ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING SITE PLAN

SHEET No. SP-2 SHT-64
OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - SP.DWG 4/25/2024 11:55:06 AM

Plans Prepared On:4/12/24

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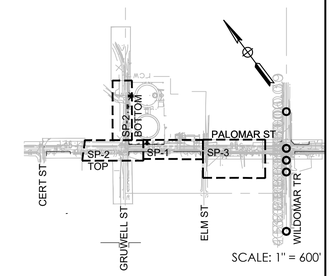

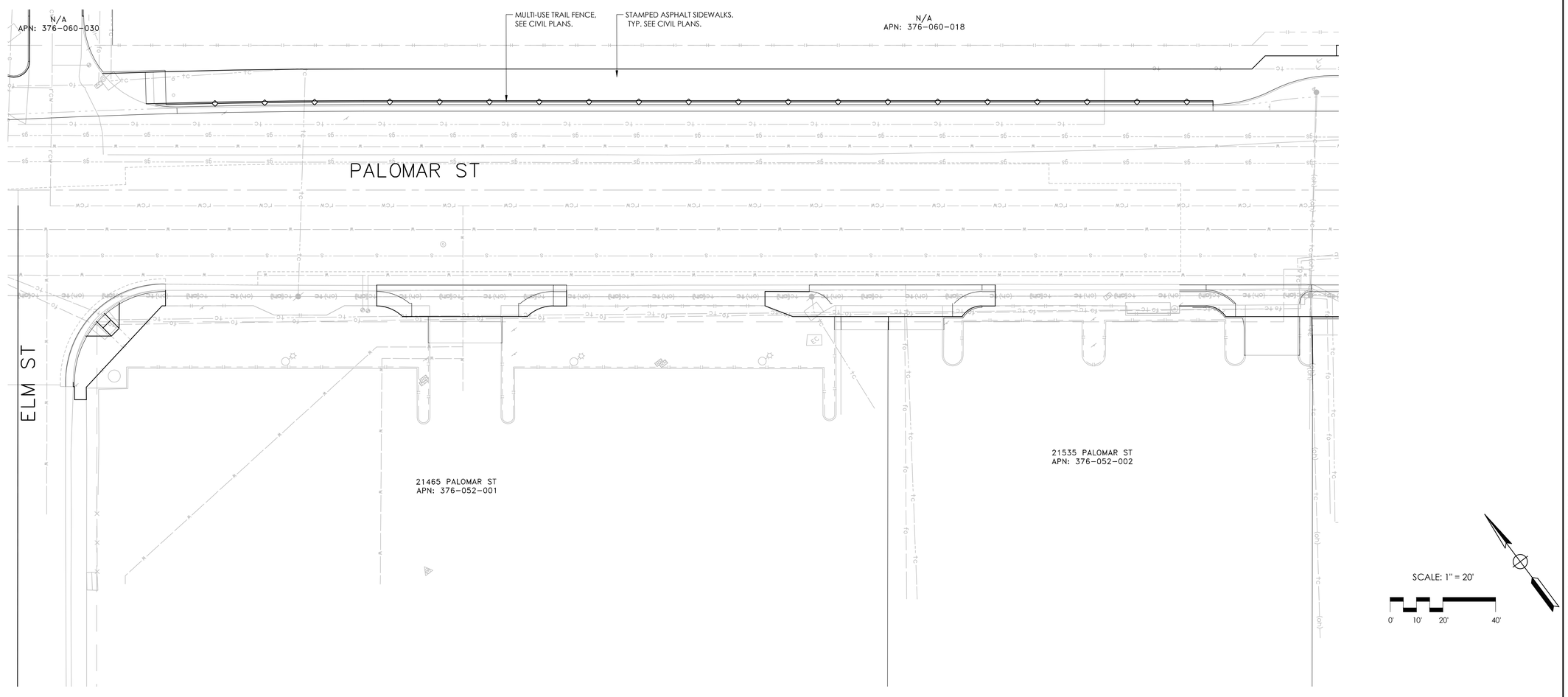

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ENGINEER				CITY	

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7/8/2024
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LICENSED LANDSCAPE ARCHITECT
JINGWEN GUO LA 6563
Signature
06-30-2025
Renewal Date
Date
SEAL OF CALIFORNIA

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING SITE PLAN

SHEET No.
SP-3
SHT-65
OF 80 SHTS

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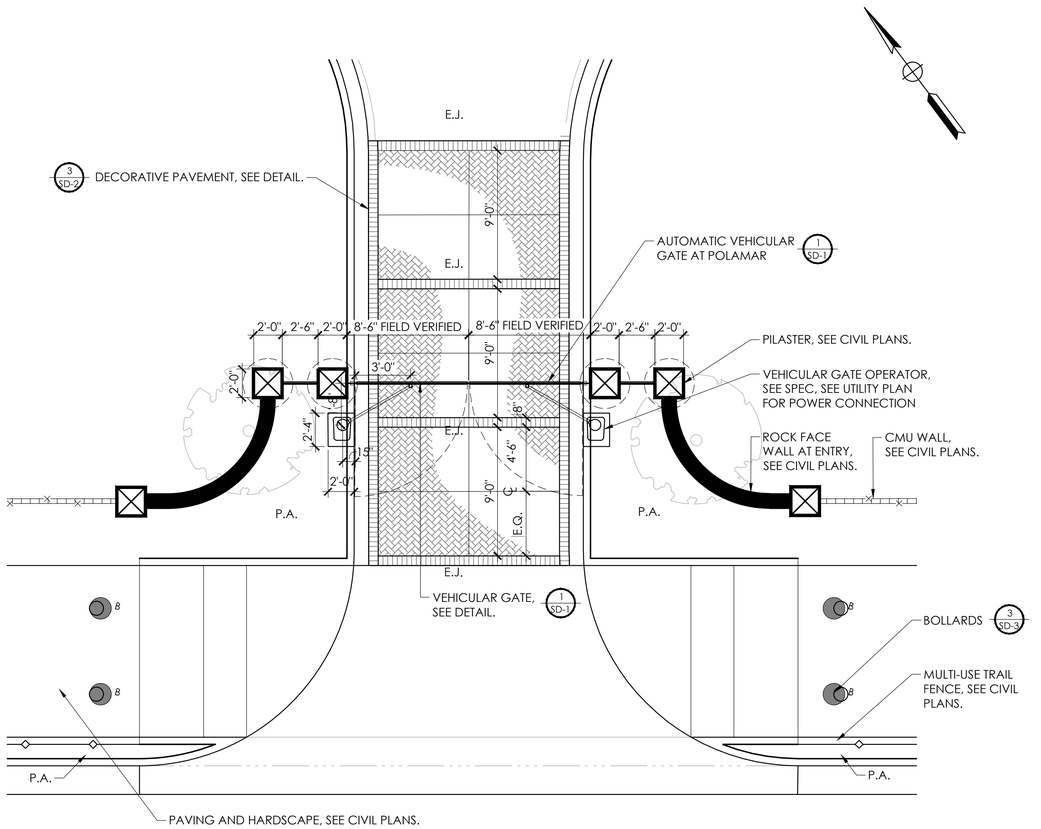
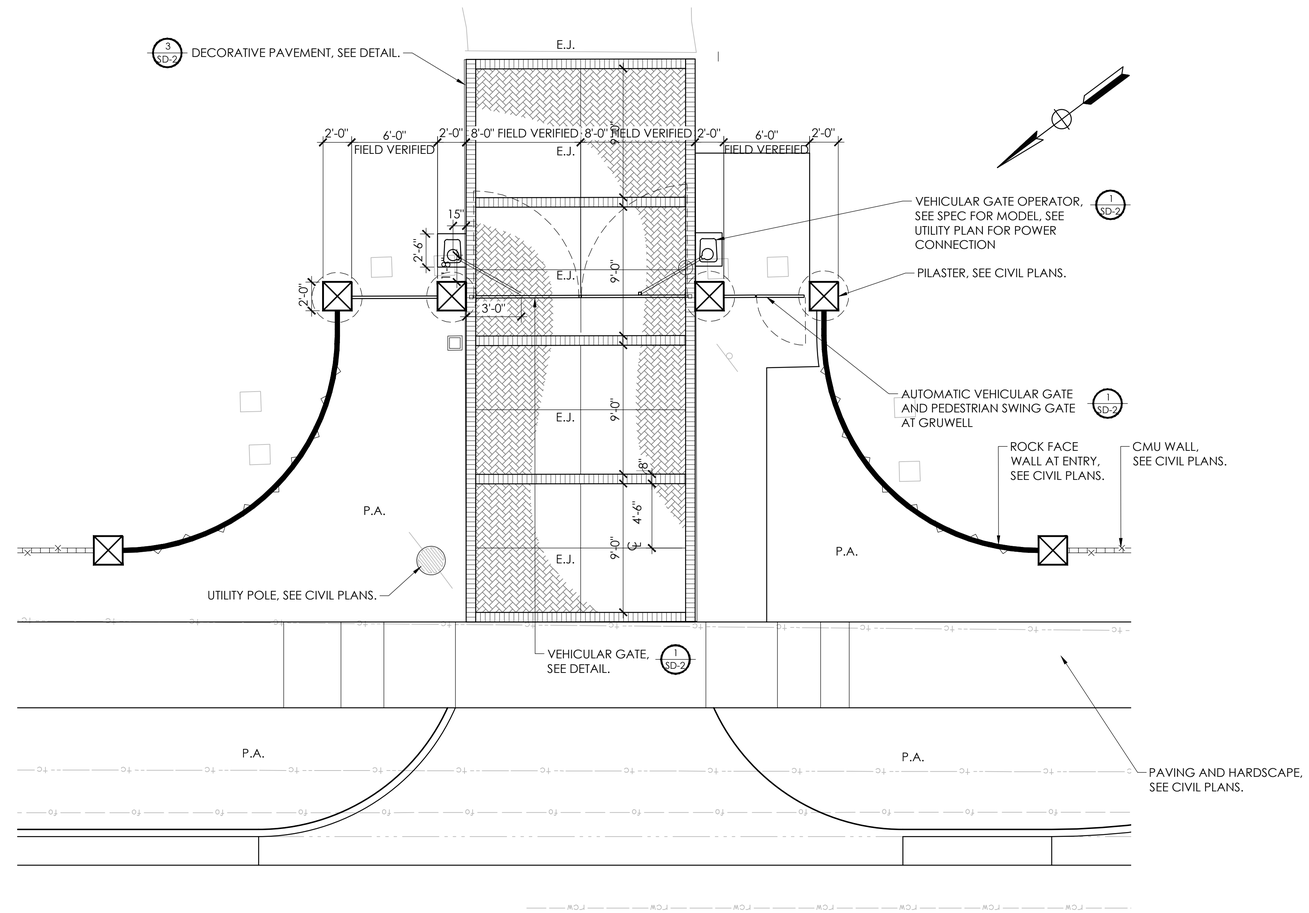


1 SPD-1 PALOMAR STREET ENTRY ENLARGEMENT

1 1/2" = 1'-0"



2 SPD-1 GRUWELL STREET ENTRY ENLARGEMENT

SCALE

0' 2.5' 5' 10'

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LICENSED LANDSCAPE ARCHITECT
JINGWEN GUO
Signature
06-30-2025
Renewal Date
STATE OF CALIFORNIA

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

SITE PLAN ENLARGEMENT

SHEET No.
SPD-1
SHT-66
OF 80 SHTS

J:\WILDOMAR-21--00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - SPD.DWG 4/25/2024 11:55:50 AM

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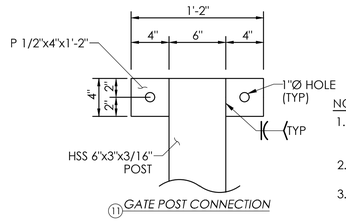
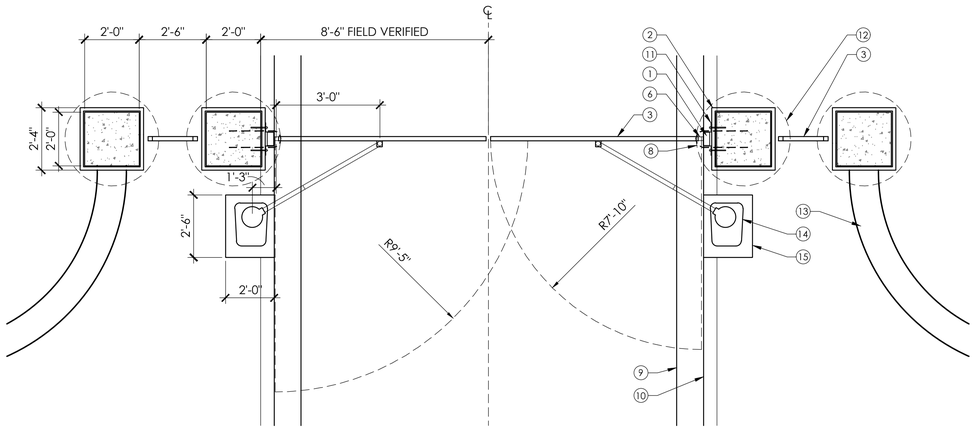


(11) GATE POST CONNECTION

NOTE:

1. FOR ANCHORS CONTRACTOR TO USE $\frac{3}{4}$" DIAMETER THREADED ROD WITH 5" EMBEDMENT IN MASONRY. USE EPOXY ANCHORING ADHESIVE IN THE HOLES.
2. HOLE DIAMETER AND CLEANING OF HOLES PER MANUFACTURER INSTRUCTIONS.
3. EPOXY ADHESIVE SHALL BE EITHER SIMPSON STRONG TIE SET 3G OR HILTI HIT-HY 270.



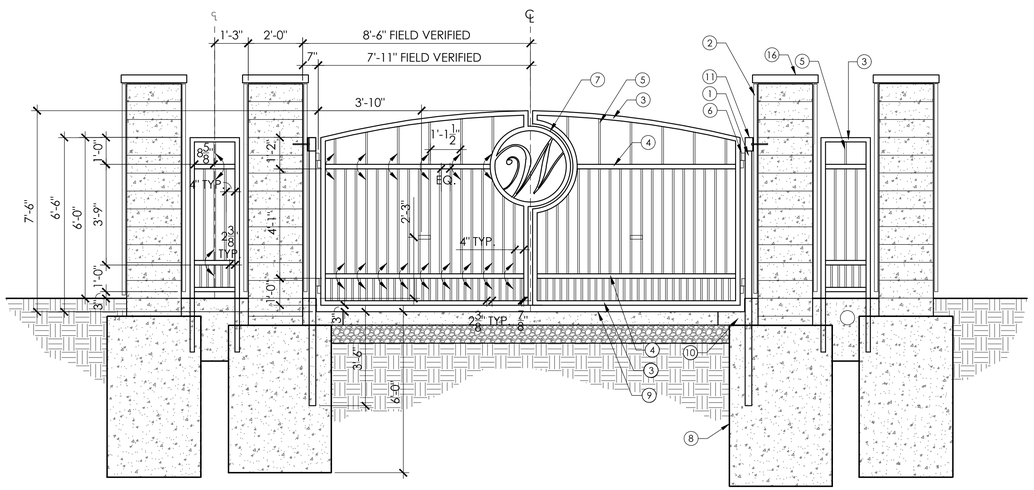
PLAN VIEW

KEY:

1. GATE POST, 3" X 6" X $\frac{11}{16}$" GALVANIZED TUBULAR STEEL
2. PILASTER, S.C.D. STONE VENEER SEE LANDSCAPE DETAIL.
3. GATE FRAME, 2" SQ GALVANIZED TUBULAR STEEL, 0.0785" THICK
4. MIDDLE RAIL, 2" SQ GALVANIZED TUBULAR STEEL, 14 GAUGE
5. PICKET, 3/4" SQ GALVANIZED TUBULAR STEEL, 14 GAUGE
6. GATE HINGE, MODEL: POWER HINGE BY LIFTMASTER ELITE, 3000 LBS WEIGHT CAPACITY.
7. CITY EMBLEM AT GATE, SEE DETAIL #3/SD-1
8. EXPAND PILASTER CONC. FOOTING FOR POST, S.C.D. FOR REINFORCEMENT
9. DECORATIVE STAMPED CONCRETE PAVING, SEE DETAIL #3/SD-2 FOR PATTERN
10. CURB AND GUTTER, SEE CIVIL DRAWINGS (S.C.D.)
11. GATE POST CONNECTION - ANGLE STEEL, ONE SIDE WELDED ON GATE POST, OTHER SIDE WALL MOUNTED W/ 2 - $\frac{3}{8}$" EPOXY ANCHORS
12. NOT USED
13. ROCK FACED WALL, S.C.D.
14. SWING GATE OPERATOR, SEE SPECS, AND SEE UTILITY PLAN FOR POWER CONNECTION
15. 30" L X 24" W X 2-6" DEEP CONCRETE PAD 6" ABOVE GROUND
16. PRECAST CONCRETE CAP, SEE DETAIL #2/SD-1

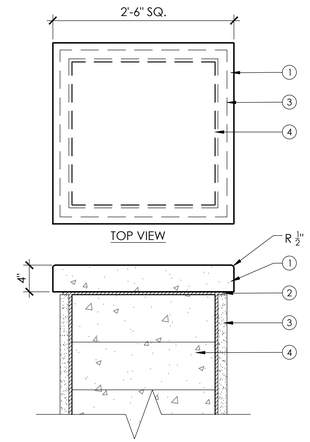
NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS IN FIELD AND SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
2. ALL FENCE COMPONENTS TO BE GALVANIZED PAINTED BLACK, SEMI-GLOSS FINISH.
3. WELDS SHALL BE SMOOTH, CONTINUOUS BEADS, FREE TO EXCESSIVE ROUGHNESS AND SPATTER. GRIND SURFACE WELDS SMOOTH AND FLUSH TO MATCH AND BLEND WITH PARENT METAL SURFACES.
4. SEE SHEET PW-6 FOR GATE OPERATOR POWER CONNECTION.



1 SD-1 AUTOMATIC VEHICULAR GATE AT PALOMAR

3/8" = 1'-0"



KEY:

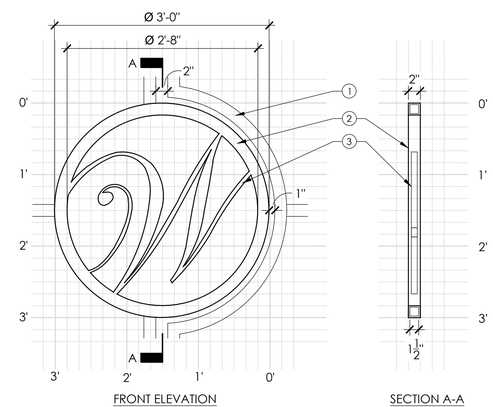
1. PRECAST CONCRETE CAP, CUSTOM IN 24" SEGMENTS, AVAILABLE AT CONCRETE DESIGN INC. (520) 624-6653 COLOR: G040 OLD PEWTER, FINISH: ETCHED.
2. VENEER MORTAR, SEE DETAIL. (2 / SD-2)
3. STONE VENEER, SEE DETAIL. (2 / SD-2)
4. PILASTER, S.C.D.

NOTES:

1. THIS DRAWING IS USED TO CLARIFY THE DESIGN INTENTION ONLY, CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS IN FIELD AND SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
2. REFER TO CIVIL PLANS AND DETAILS FOR LOCATION AND CONSTRUCTION OF ROCK FACED WALL..
3. CONTRACTOR SHALL SUBMIT COLOR/FINISH SAMPLE FOR CAP.

2 SD-1 PRECAST CAP FOR PILASTER

1" = 1'-0"



KEY:

1. GATE FRAME, 2" SQ GALVANIZED TUBULAR STEEL, SEE DETAIL. (1 / SD-1)
2. EMBLEM RING, 2" SQ GALVANIZED TUBULAR STEEL.
3. CUSTOM CITY EMBLEM, GALVANIZED STEEL, 1" THICK.

NOTES:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.
2. ALL METAL SURFACES INVOLVED SHALL BE THROUGHLY CLEANED PRIOR TO APPLICATION OF PAINT OR OTHER SURFACE TREATMENTS. ALL METAL PARTS SHALL BE PRIMED WITH 2 COATS OF "RUSTOLEUM" OR APPROVED EQUAL, AND RECEIVE TWO (2) COATS OF FLAT BLACK PAINT.
3. ALL WELDS SHALL BE CLEANED WITH NO SHARP EDGES AND BURRS AND SHALL BE GROUND FOR SMOOTHNESS FOR APPROVAL BY THE ENGINEER.

3 SD-1 CITY EMBLEM AT VEHICULAR GATE

1" = 1'-0"

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LICENSED LANDSCAPE ARCHITECT JINGWEN GUO LA 5831 Signature 08-30-2023 Renewal Date STATE OF CALIFORNIA

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SITE PLAN DETAILS

SHEET No. SD-1 SHT- 67
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Plans Prepared On:6/14/24

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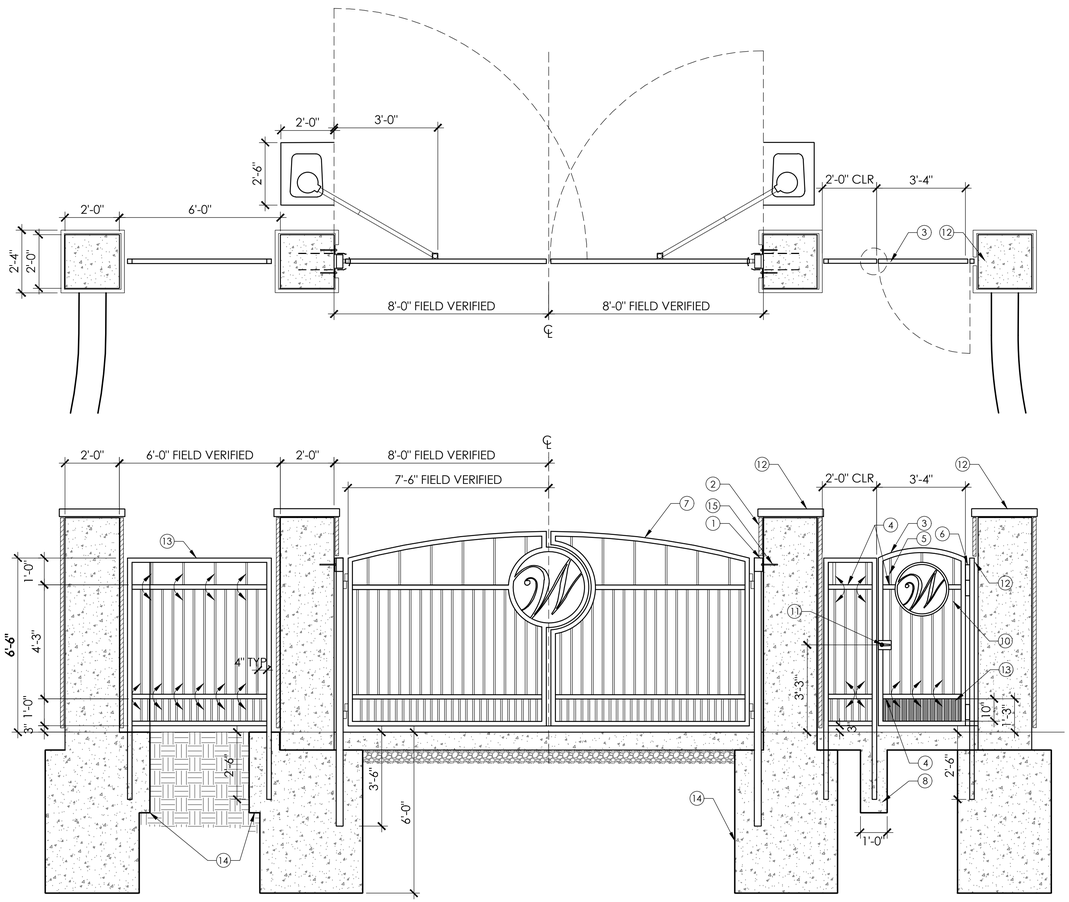


KEY:

1. GATE POST, 3" X 6" X $\frac{3}{16}$" GALVANIZED TUBULAR STEEL
2. STONE VENEER AT PILASTER, SEE LANDSCAPE DETAIL #2/SD-2
3. GATE FRAME, 2" SQ GALVANIZED TUBULAR STEEL, 0.0785" THICK
4. MIDDLE RAIL, 2" SQ GALVANIZED TUBULAR STEEL, 14 GAUGE
5. PICKET, 3/4" SQ GALVANIZED TUBULAR STEEL, 14 GAUGE
6. AUTO CLOSE PEDESTRIAN HINGE, MODEL: UPPER - MAMMOTH 180 BY LOCINOX OR EQUAL, LOWER - DINO BY LOCINOX OR EQUAL
7. VEHICULAR GATE LEAF, SIMILAR TO PALOMAR GATE, SEE DETAIL #2/SD-1
8. FENCE POST CONCRETE FOOTING, 1' DIA MIN
9. DECORATIVE STAMPED CONCRETE PAVING, SEE DETAIL #3/SD-2 FOR PATTERN
10. CITY EMBLEM AT GATE, SEE DETAIL #3/SD-1
11. WELD ON GATE BOX WITH ACCESSIBLE LEVER HARDWARE SEE SPEC.
12. PRECAST CONCRETE CAP, SEE DETAIL #2/SD-1
13. KICK PLATE, $\frac{1}{4}$" GALV. STEEL WELDED ON THE PUSHSIDE
14. EXPAND PILASTER CONCRETE FOOTING FOR GATE POST
15. GATE POST CONNECTION - ANGLE STEEL, ONE SIDE WELDED ON GATE POST, OTHER SIDE WALL MOUNTED W/ 2 - $\frac{3}{8}$" EXPOXY ANCHORS

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS IN FIELD AND SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
2. ALL FENCE COMPONENTS TO BE GALVANIZED PAINTED BLACK, SEMI-GLOSS FINISH.
3. WELDS SHALL BE SMOOTH, CONTINUOUS BEADS, FREE TO EXCESSIVE ROUGHNESS AND SPATTER. GRIND SURFACE WELDS SMOOTH AND FLUSH TO MATCH AND BLEND WITH PARENT METAL SURFACES.
4. SEE SHEET PW-6 FOR GATE OPERATOR POWER CONNECTION.

1 / SD-2 AUTOMATIC VEHICULAR GATE AND PEDESTRIAN SWING GATE AT GRUWELL

3/8" = 1'-0"

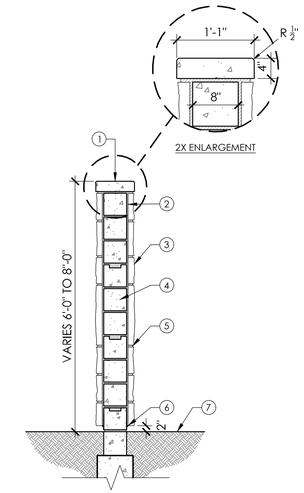
PATTERN

KEY:

1. PRECAST CONCRETE CAP, CUSTOM IN 24" SEGMENTS, AVAILABLE AT CONCRETE DESIGN INC. (520) 624-6653 COLOR: G040 OLD PEWTER, FINISH: ETCHED.
2. VENEER MORTAR, MVIS BY LATICRETE OR EQUAL..
3. SPLIT FIELDSTONE VENEER, BY CORONADO STONE COLOR: LOMPOC, STONE SIZES AVERAGE FROM 6" TO 20". CORNER RETURNS RANGE FROM 3" TO 10". THICKNESS: 1" TO 2"(NOMINAL).
4. CMU WALL REINFORCEMENT AND FOOTING, S.C.D.
5. 1/2" DEEP RAKED GROUT JOINT. GROUT COLOR TO MATCH #34, SANDSTONE BY LATICRETE MVIS PREMIOUM POINTING.
6. FOUNDATION WEEP SCREED.
7. FINISHED GRADE.

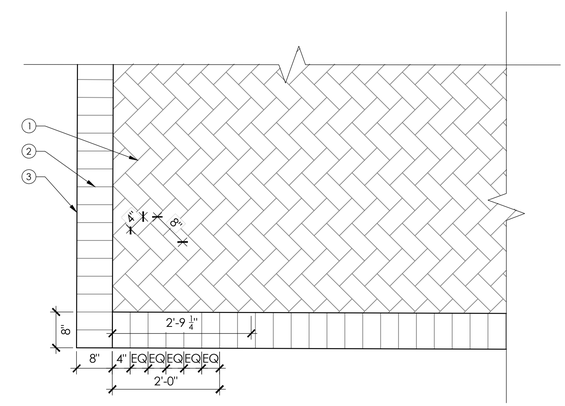
NOTES:

1. REFER TO CIVIL PLANS AND DETAILS FOR LOCATION AND CONSTRUCTION OF ROCK FACED WALL..
2. CONTRACTOR SHALL SUBMIT COLOR/FINISH SAMPLE FOR CAP, VENEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.



2 / SD-2 ROCK FACED WALL

1/2" = 1'-0"



NOTES:

1. REFER TO SHEET SPD-1 & SPD-2 FOR LOCATION OF PAVEMENT PATTERN.
2. REFER TO CIVIL PLANS AND DETAILS FOR LOCATION AND CONSTRUCTION OF PAVEMENT.
3. CONTRACTOR SHALL SUBMIT COLOR SAMPLES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

KEY:

1. HERRINGBONE USED BRICK TEXTURED PATTERN WITH $\frac{3}{8}$" MASONITE, BY BOMANITE, RELEASE AGENT COLOR: CAFE AU LAIT.
2. SOLDIER COURSE USED BRICK TEXTURED PATTERN, 6 BRICKS, BY BOMANITE, RELEASE AGENT COLOR: CARAMEL.
3. EXPANSION AND SCORE JOINT, S.C.D.

3 / SD-2 DECORATIVE PAVEMENT

3/4" = 1'-0"

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
LICENSED LANDSCAPE ARCHITECT — JINGWEN GUO — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

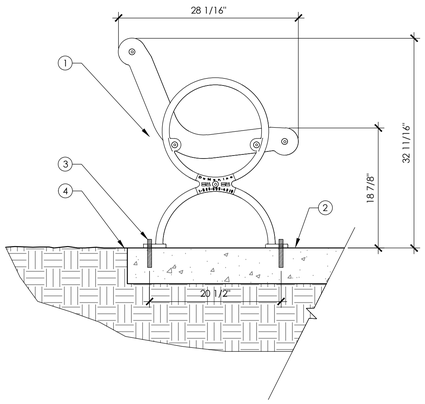
SITE PLAN DETAILS

SHEET No. SD-2 SHT- 68 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - SD.DWG 6/14/2024 4:26:51 PM

Plans Prepared On:6/14/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



KEY:

1. BENCH, DUMOR 119-80 WITH CENTER ARMREST, IN-GROUND MOUNT, BLACK SUDAN POWDER COAT FINISH.
2. CONCRETE PAVING, SLOPE PER PLAN
3. SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS. BOLTS WITH NUTS SUPPLIED BY MANUFACTURER. ALL NUTS SHALL BE TACK WELDED IN PLACE, WITH MATCHING TOUCH UP PAINT.
4. PLANTING AREA

NOTES:

1. DONATION PLAQUE MOUNTING PLATE AT EACH ARM REST END. BENCH TO HAVE CENTER ARM REST.
2. SEE PLAN FOR BENCH LOCATIONS.

1 / SD-3 BENCH

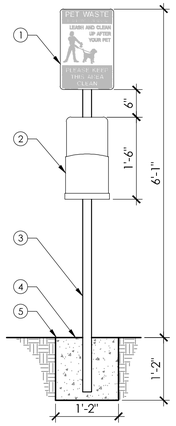
N.T.S.

KEY:

1. PET STATION SIGN ANOVA D007
2. DOG BAG DISPENSER WITH KEY LOCK
3. ASSEMBLY POST PER MANUFACTURER
4. INSTALL FOOTING PER MANUFACTURER.
5. FINISH GRADE.

NOTES:

1. SEE SPECS FOR TYPE AND MANUFACTURER.
2. ALL DIMENSIONS AND CLEAR AREAS MUST MEET ADA STANDARDS.
3. INSTALLATION TO BE COMPLETED ACCORDANCE WIH MANUFACTURER'S SPECIFICATIONS.

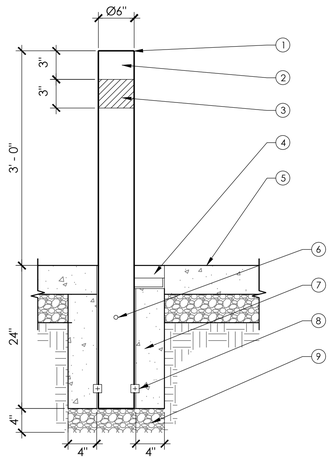


2 / SD-3 PET STATION

3/4" = 1'-0"

KEY:

1. FULLY WELDED FLAT STEEL TOP
2. REMOVABLE BOLLARD, TOURNESOL SITEWORKS, B-02140-80-3006, IN-GROUND MOUNT, STAINLESS STEEL FINISH, SEE MFR SPECS AND DETAILS FOR MORE DETAILS
3. YELLOW REFLECTIVE TAPE 3" WIDE
4. LOCK RECESS MADE TO ACCEPT PADLOCK
5. FINISH GRADE
6. HOT DIP GALVANIZED RECEIVER
7. CONCRETE FOOTING
8. HOT DIP GALVANIZED STEEL STOPS, 2 PLS
9. DRAIN ROCK, CLASS II



3 / SD-3 REMOVABLE BOLLARD

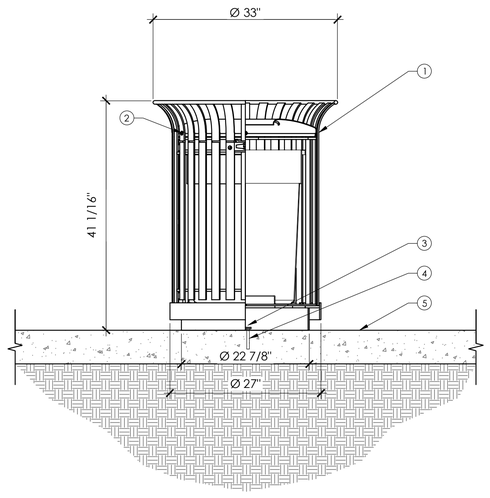
N.T.S.

KEY:

1. DUMOR TRASH RECEPTACLE 157-32
2. 5/16" SS FLAT WASHER, 5/16" SS NYLON LOCK NUT, AND 5/16" X 1" SS FLT SKT HD CAP SCR.
3. ¼" THK SS PLATE W/ 11/16" DIA. HOLE.
4. ½" X 3 3/4" EXPANSION ANCHOR BOLT.
5. FINISHED SURFACE.

NOTES:

1. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2. 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
3. LATCH PROVIDED W/ KEY, USE OF KEY OPTIONAL..



4 / SD-3 TRASH RECEPTACLE

1" = 1'-0"

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ACCEPTED BY: 7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: LICENSED LANDSCAPE ARCHITECT JINGWEN GUO LA 6563 Signature 09-30-2025 Renewal Date STATE OF CALIFORNIA

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING SITE PLAN DETAILS

SHEET No. SD-3 SHT- 69 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - SD.DWG 4/25/2024 11:57:01 AM

Plans Prepared On:4/23/24

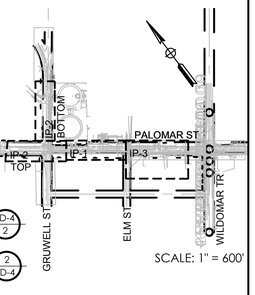
DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

IRRIGATION NOTES - RECLAIMED WATER

1. NO DRINKING FOUNTAINS OR EATING AREAS ARE ALLOWED IN THE APPROVED RECYCLED WATER USE AREA UNLESS ADEQUATELY PROTECTED FROM OVERSPRAY. MODIFY IRRIGATION SYSTEM BY REDIRECTING OR RELOCATING SPRINKLERS TO REDIRECT ANY SPRAY AWAY FROM DRINKING FOUNTAINS AND OUTDOOR EATING AREAS INCLUDING TABLES AND SEATING FACILITIES. MOVABLE TABLES AND CHAIRS WILL BE RELOCATED TO A NON-IRRIGATED AREA DURING WATERING HOURS.
2. DIRECT CHEMICAL INJECTION SYSTEMS ARE NOT PERMITTED ON THE RECYCLED WATER IRRIGATION SYSTEM. THE CONTRACTOR SHALL REMOVE ANY SUCH SYSTEM IF FOUND.
3. THE RECYCLED WATER METER WILL BE INSTALLED BY THE CONTRACTOR AFTER THE WATER SERVICE AGREEMENT HAS BEEN APPROVED, ALL APPLICABLE FEES HAVE BEEN PAID, AND ALL APPROVALS HAVE BEEN OBTAINED.
4. UPON RECEIVING RECYCLED WATER, THE RECYCLED WATER IRRIGATION SYSTEM MUST PASS A COVERAGE TEST PERFORMED BY THE SITE'S REPRESENTATIVE AND ATTENDED BY THE SITE SUPERVISOR AND THE CITY OF WILDOMAR. DURING THE TEST, THE SITE REPRESENTATIVE IS RESPONSIBLE FOR CLEANING, FLUSHING, AND/OR ADJUSTING ALL IRRIGATION HEADS AND THE FLOW CONTROL AT EACH REMOTE CONTROL VALVE TO OBTAIN OPTIMUM PERFORMANCE AND BEST COVERAGE WHILE PREVENTING OVERSPRAY AND RUNOFF ON TO WALKWAYS, ROADWAYS, BUILDINGS, AND OTHER AREAS NOT APPROVED FOR RECYCLED WATER USE.
5. ALL NEW IRRIGATION EQUIPMENT AND VALVE BOXES SHALL BE PURPLE IN COLOR TO INDICATE RECYCLED WATER.
6. THE IRRIGATION SYSTEM IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT TO THE LANDSCAPE ARCHITECT ANY DIFFERENCE BETWEEN THE WATER PRESSURE SHOWN ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE POINT OF CONNECTION. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED IN WRITING PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
7. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM EDGE OF SIDEWALK FOR EASY ACCESS.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE CONTRACTOR SHALL EXERCISE EXTREME CARE AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES. THEY SHALL COORDINATE THEIR WORK FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT (800) 642-2444 TO FIELD LOCATE ALL EXISTING UTILITIES.
9. THE FINAL LOCATION OF THE AUTOMATIC CONTROLLER SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
10. FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT TO REVIEW PROPOSED FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IN THE EVENT THAT NO WRITTEN REQUEST IS RECEIVED BY THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS.
11. SLEEVE ALL PRESSURE MAINLINE PIPE, LATERAL PIPE, AND CONTROL WIRES UNDER STREETS AND CONCRETE WALKWAYS WITH THE PROPER SIZE SCH 40 PURPLE PVC AND DEPTH AS SPECIFIED.
12. INSTALL A COPPER TRACE WIRE FROM THE WATER METER TO THE BACKFLOW PREVENTER, BURIED IN THE SAME TRENCH AS THE PRESSURE SUPPLY LINE PIPING.
13. INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN THE CONSTRUCTION DETAILS. USE "TEFLON" TAPE ON ALL PVC MALE THREADS OF ALL SPRINKLER SWING JOINTS AND VALVE ASSEMBLIES EXCEPT MARLEX STYLED FITTINGS.
14. INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN THE CONSTRUCTION DETAILS. USE "TEFLON" TAPE ON ALL PVC MALE THREADS OF ALL SPRINKLER SWING JOINTS AND VALVE ASSEMBLIES EXCEPT MARLEX STYLED FITTINGS.
15. SEE ELSINORE VALLEY MUNICIPAL WATER DISTRICT RECYCLED WATER GENERAL NOTES FOR MORE INFORMATION. (4/ID-3) (5/ID-3)

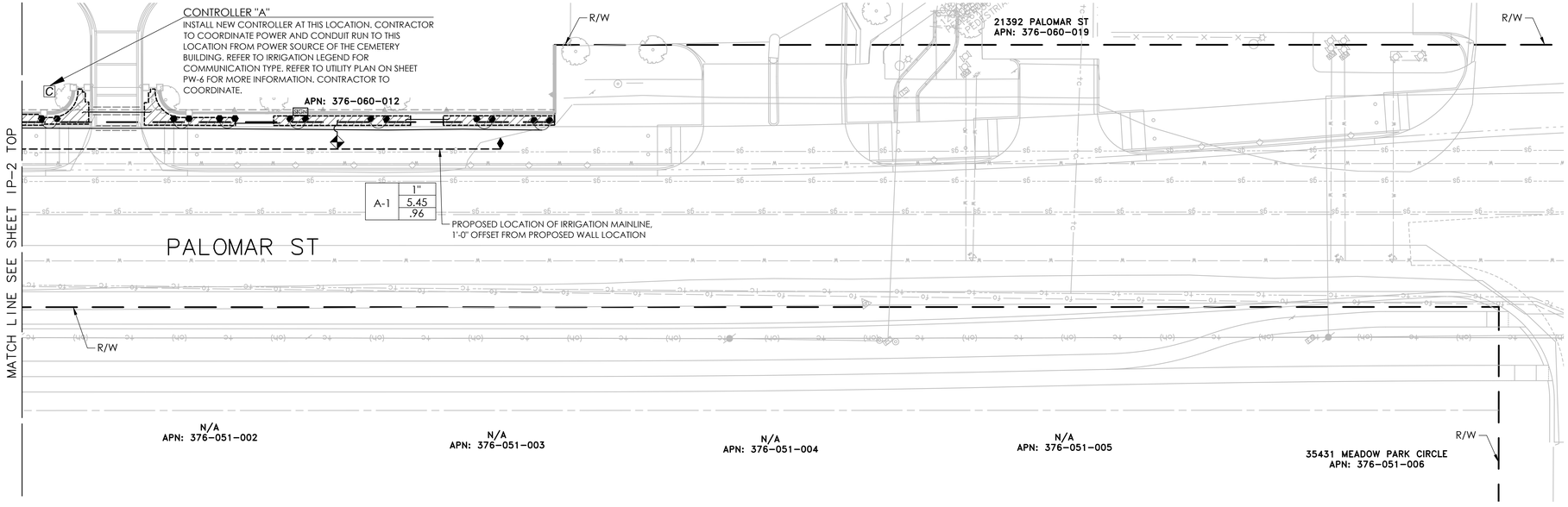
IRRIGATION LEGEND - RECLAIMED WATER

- C — IRRIGATION CONTROLLER, CALSENSE CS3-16-S/CS3-GR-KIT/COMM-5YR-2/FM 2, 16 STATION CONTROLLER, MOUNTED IN STAINLESS STEEL PEDESTAL ENCLOSURE. INSTALL PER DETAIL. (2/ID-1) (6/ID-4)
- M — EXISTING WATER METER. SEE IRRIGATION PLANS FOR LOCATION.
- EXISTING REDUCED PRESSURED BACKFLOW ASSEMBLY. SEE IRRIGATION PLANS FOR LOCATION. CONTRACTOR TO TEST AND CERTIFY ALL BACKFLOW PREVENTION DEVICES.
- V — MASTER VALVE, SUPERIOR 3200150, SIZE PER LINE SIZE NORMALLY CLOSED, FLOW REQUIREMENTS 0-20 GPM. INSTALL PER DETAIL. (3/ID-1) (2/ID-4)
- F — FLOW SENSOR, RAINBIRD FS150B, SIZE PER LINE, WITH OPERATING RANGE OF 4-80 GPM. INSTALL PER DETAIL. (1/ID-2) (2/ID-4)
- BALL VALVE, JONES B67254, FULL PORT BRASS BALL VALVE WITH CPV CONNECTION, SIZE PER LINE. INSTALL PER DETAIL. (4/ID-2)
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD 100-EFB-CP WITH PURPLE HANDLE COVER, 1" SIZE. WITH BALL VALVE, WATTS LFB6001, SIZE AS REQUIRED. INSTALL PER DETAIL. (1/ID-1) (2/ID-2) (4/ID-2)
- DRIP REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PESB-R VALVE AND XCZ-100-PRB-R FILTER, 1" SIZE, WITH OPERATING RANGE OF 0.3-20 GPM. WITH BALL VALVE, WATTS LFB6001, SIZE AS REQUIRED. INSTALL PER DETAIL. (1/ID-1) (3/ID-2) (2/ID-4)
- QUICK COUPLING VALVE ASSEMBLY, NELSON, 7645 WITH ACME THREADS AND PURPLE RUBBER OR VINYL LOCKING COVER. ¾" SIZE. INSTALL BALL VALVE, WATTS LBF6001, BETWEEN MAINLINE CONNECTION AND QUICK COUPLER AS SHUT OFF. INSTALL PER DETAIL. (5/ID-1)
- SHRUB BUBBLER, RAINBIRD RWS-GRATE-P-S-B-1401, 10" TUBE, 0.25 GPM. INSTALL PER DETAIL. (2/ID-3)
- DEEP WATER BUBBLER ASSEMBLY, RAINBIRD RWS-GRATE-P-B-X-1401, 36" TUBE, 0.50 GPM, TWO PER TREE. INSTALL PER DETAIL. (3/ID-3)
- EXISTING IRRIGATION SUPPLY LINE
- MAINLINE, SCH 40 PVC PURPLE PIPE 2" DIA, INSTALL PER DETAIL. (4/ID-1) (5/ID-2) (6/ID-2) (4/ID-4)
- W — EXISTING MAINLINE
- LATERAL LINE, SCH 40 PVC PURPLE PIPE, SIZE 1" UNLESS NOTED OTHERWISE, INSTALL PER DETAIL. (5/ID-2) (6/ID-2) (4/ID-4)
- SLEEVE, SCH 40 PVC PURPLE PIPE, SIZE PER DETAIL. COVER TO BE AS INDICATED IN SPECS. FOR PIPE DEPTH OF COVER, INSTALL PER DETAIL. CONTRACTOR TO PROVIDE EXTRA SLEEVE ADJACENT TO PROPOSED SLEEVE WHEN NECESSARY. SIZE SLEEVES PER DETAIL. (5/ID-2) (4/ID-4)
- SUBSURFACE DRIP, RAINBIRD XFS-CVP-09-12 DRIPLINE WITH COPPER SHIELD™ TECHNOLOGY, 10' HOLD-BACK, INSTALL PER DETAIL. INSTALL FLUSH VALVES AND AIR RELIEF VALVES PER DETAIL. (1/ID-3)
- INSTALL DRIP SYSTEM OPERATION INDICATOR, RAINBIRD XFS FOR SUB-SURFACE DRIPLINE, WITHIN 3 FEET OF IRRIGATION VALVES FOR MAINTENANCE. REFER TO MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION.
- SIGN — RECYCLED WATER PURPLE SIGN: "RECYCLED WATER IRRIGATION - DO NOT DRINK, WASH HANDS AFTER CONTACT" ALUMINUM SIGN. REFER TO EVMWD DETAIL FOR MORE INFORMATION. (1/ID-1) (3/ID-4)



A-1	1-1/2"
	9
	1.2

- CONTROLLER VALVE NUMBER
- VALVE SIZE
- APPROXIMATE GPM THROUGH VALVE
- PRECIPITATION RATE



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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: LICENSED LANDSCAPE ARCHITECT JINGWEN GUO — Signature — Date: 03-30-2023 — Renewal Date: 09/30/2025 — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

IRRIGATION PLAN

SHEET No. IP-1 SHT-70 OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - IP.DWG 4/25/2024 11:59:58 AM

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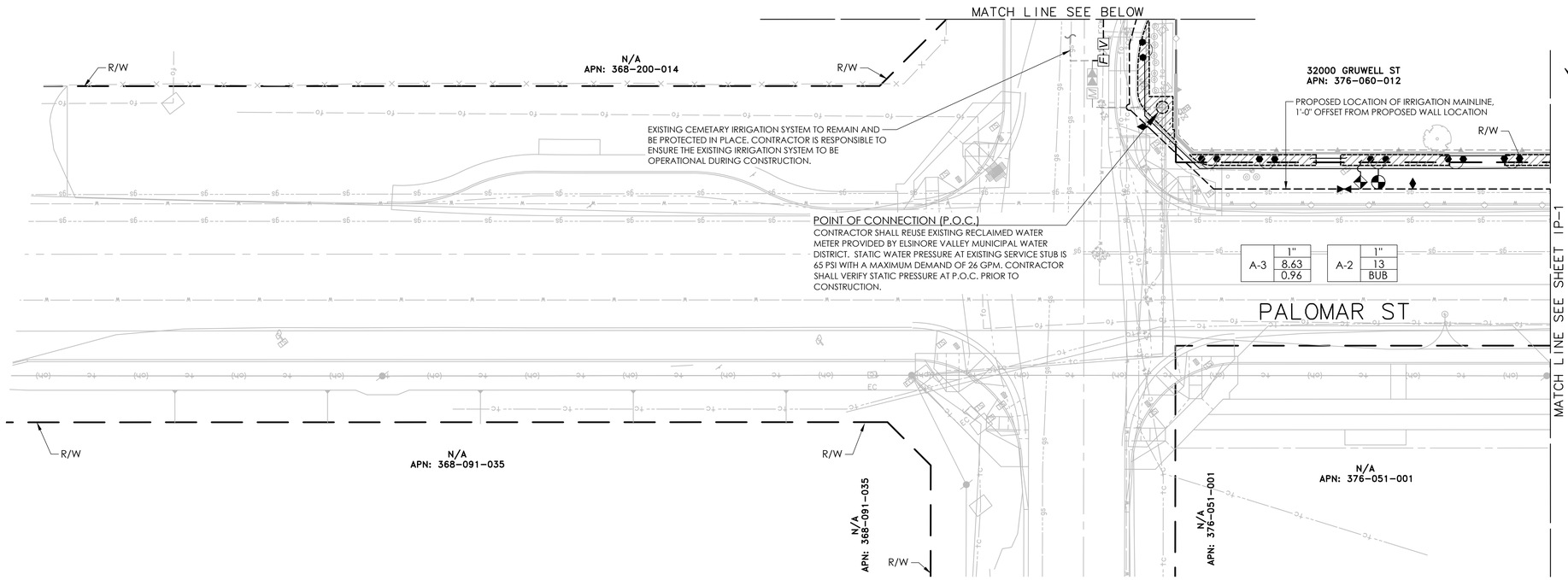

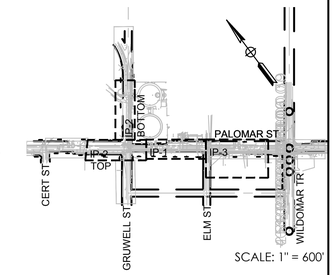

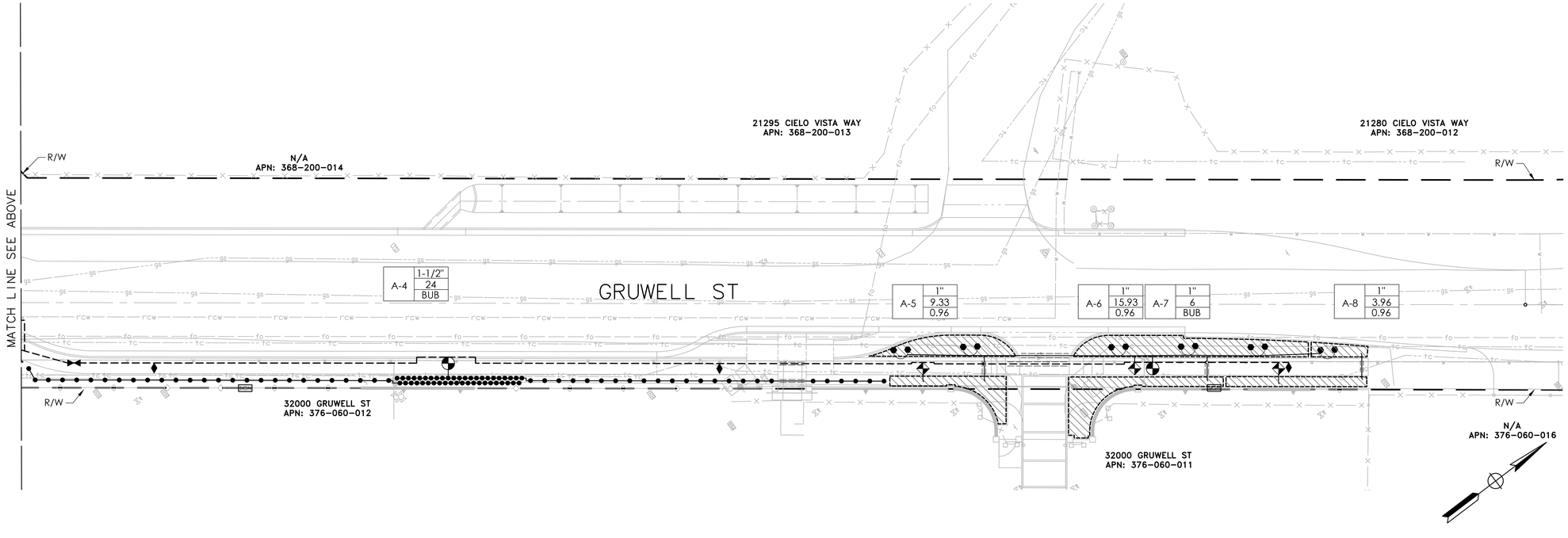

SCALE: 1" = 20'

0' 10' 20' 40'

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PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

IRRIGATION PLAN

SHEET No. IP-2 SHT-71

OF 80 SHTS

J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - IP.DWG 4/25/2024 11:59:58 AM

Plans Prepared On:4/12/24

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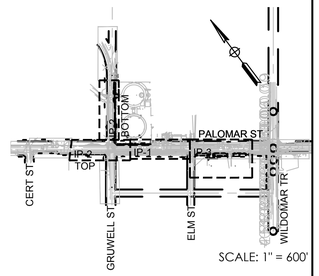

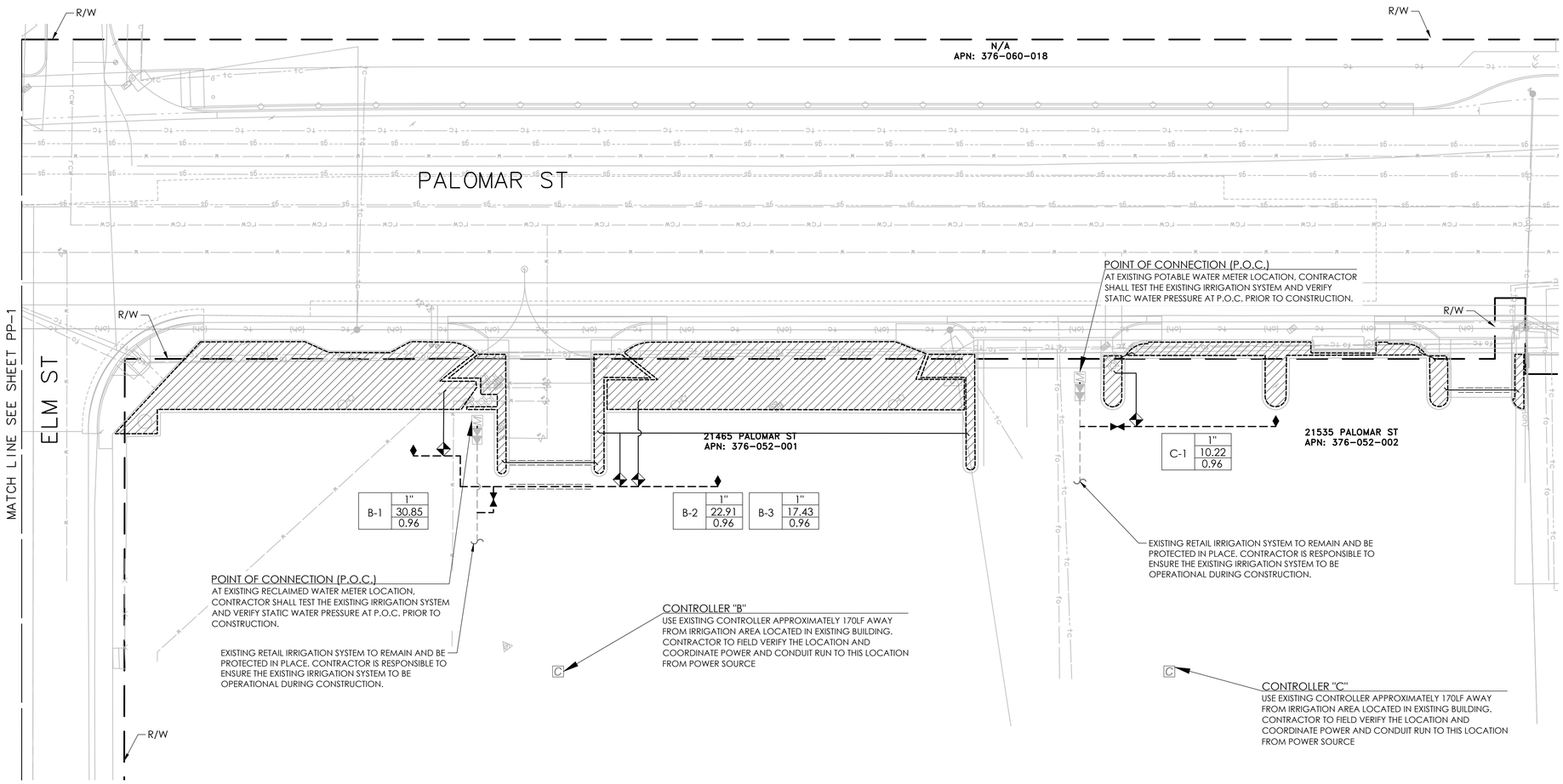

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
LICENSED LANDSCAPE ARCHITECT JINGWEN GUO LA 6563 Signature Renewal Date 06-30-2025 USA STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE:
H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2
CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
IRRIGATION PLAN

SHEET No. IP-3
SHT-72
OF 80 SHTS

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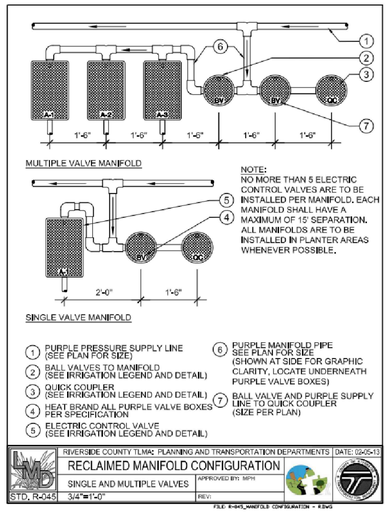
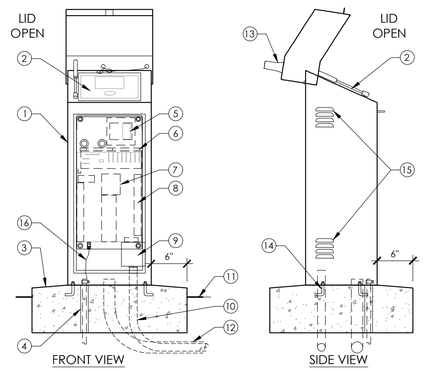


1 ID-1 VALVE BOX LAYOUT

N.T.S.



KEY:

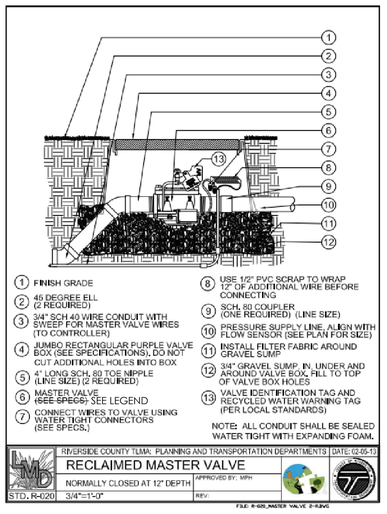
1. STAINLESS STEEL ENCLOSURE
2. SECURE IRRIGATION CONTROLLER TO A VANDAL RESISTANT ENCLOSURE AND SECURE ENCLOSURE TO A CONCRETE PAD. SEE IRRIGATION LEGEND FOR MANUFACTURER AND MODEL NUMBER OF CONTROLLER AND ENCLOSURE.
3. CONCRETE PAD - INSTALL ABOVE GRADE, AND SLOPE TOP TO DRAIN AT A MINIMUM OF 2% WITH A 6-INCH MINIMUM THICKNESS.
4. PVC SLEEVE WITH $\frac{3}{8}$" COPPER GROUND ROD INSIDE
5. GFI OUTLET & SWITCH
6. PLASTIC SHIELD FOR STATION/OPTION CARDS
7. OPTIONAL TWO-WIRE TERMINAL
8. CONVENTIONAL WIRED STATION AND OPTION TERMINALS
9. 120 VAC JUNCTION BOX (INCLUDED WITH ENCLOSURE)
10. SCH 40 PVC ELECTRICAL SWEEP FOR 120 VAC POWER
11. FINISHED GRADE
12. SCH 40 PVC ELECTRICAL SWEEP FOR FIELD WIRES, EXTEND 6" BEYOND EDGE OF CONCRETE PAD.
13. OPTIONAL STUBBY ANTENNA(S)
14. MOUNTING J-BOLT (4 TYP)
15. LOUVERED VENTS
16. #6 BARE COPPER GROUND WIRE

NOTES:

1. ALLOW MINIMUM OF 7 $\frac{1}{2}$" OF CLEARANCE BEHIND ENCLOSURE FOR FULLY OPENED LID
2. 120 VAC POWER AND GROUNDING PER NATIONAL AND LOCAL ELECTRICAL CODES.
3. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

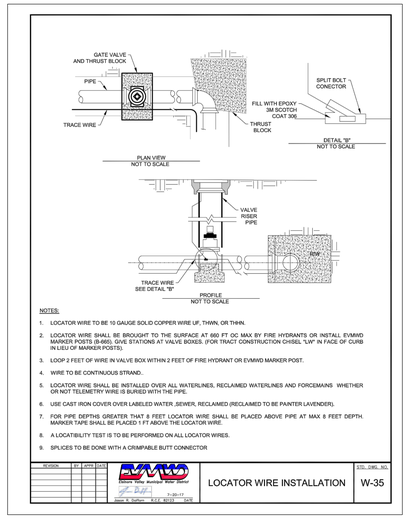
2 ID-1 IRRIGATION CONTROLLER

N.T.S.



3 ID-1 MASTER VALVE ASSEMBLY

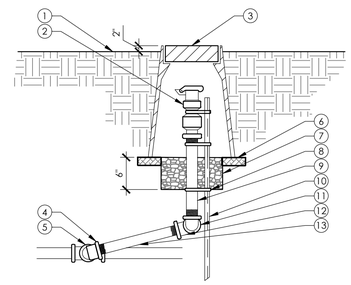
N.T.S.



4 ID-1 LOCATOR WIRE INSTALLATION

ELSINORE VALLEY MUNICIPAL WATER DISTRICT STANDARDS

N.T.S.



KEY:

1. FINISH GRADE
2. QUICK COUPLING VALVE, SEE IRRIGATION LEGEND
3. VALVE BOX, AND LOCKING COVER. SEE SPECIFICATIONS.
4. SCH. 40 PVC 90° ELL (FIPTXMIPT)
5. SCH 40 PVC TEE (SLIPXSLIPXFIPT)
6. BRICK TYP. (3) PLACES
7. 3/4" DRAIN ROCK
8. STAINLESS STEEL SCREW CLAMP, MINIMUM (3) PLACES
9. SCH 80 PVC THREADED NIPPLE, 12" LONG
10. #5 REBAR ANGLE IRON (36" LONG)
11. SCH 40 PVC 90° ELL (FIPTXMIPT)
12. SCH 40 PVC 90° ELL (FIPTXFIPT)
13. SCH 80 PVC THREADED NIPPLE (12" LONG)

NOTES:

1. INSTALL QUICK COUPLING VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
2. PLACE 3/4" DIAMETER DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
3. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
4. SIZE OF ASSEMBLY TO BE EQUAL TO THE FIPT OF THE QUICK COUPLER.

5 ID-1 QUICK COUPLING VALVE ASSEMBLY

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ENGINEER				CITY	

CITY OF WILDOMAR
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Tradition ~ Opportunity ~ Progress

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
LICENSED LANDSCAPE ARCHITECT JINGWEN GUO
Signature
06-30-2025
Renewal Date
STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

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SCALE:
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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
IRRIGATION DETAILS

SHEET No.
ID-1
SHT-73
OF 80 SHTS

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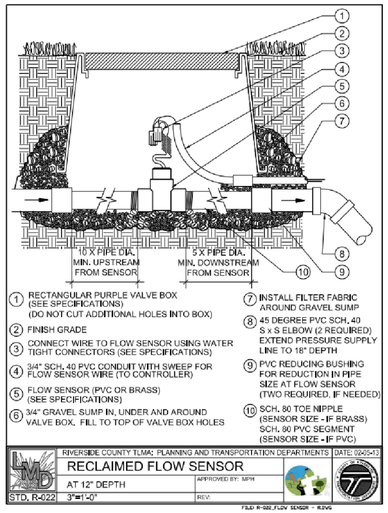
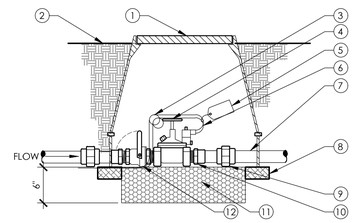


1 ID-2 FLOW SENSOR ASSEMBLY

N.T.S.



KEY:

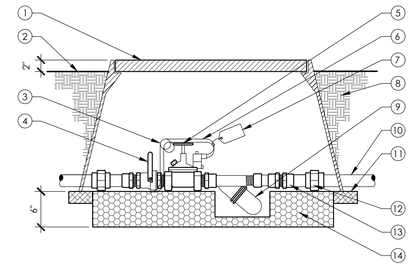
1. VALVE BOX WITH BOLT DOWN COVER AND BOX EXTENSION IF REQUIRED. REFER TO SPECIFICATIONS.
2. FLUSH IN PAVED AREAS, 2" IN PLANTING BEDS
3. PIG TAIL EXPANSION LOOP, MINIMUM 18"
4. ELECTRIC CONTROL VALVE
5. VALVE IDENTIFICATION TAG
6. CONTROL AND COMMON WIRES
7. LATERAL LINE, ANGLE TO 12" MINIMUM DEPTH AS REQUIRED
8. STANDARD BRICK, TYP. FOUR (4) PLACES
9. SCH 80 PVC UNION DOWNSTREAM OF VALVE
10. SCH 40 PVC MALE ADAPTER, TYP. TWO (2) PLACES
11. 3/4" DIAMETER DRAIN ROCK BELOW VALVE
12. BALL VALVE. SEE IRRIGATION LEGEND FOR MANUFACTURER AND MODEL NUMBER

NOTES:

1. INSTALL VALVES A MINIMUM OF 12" FROM STRUCTURES OR HARDSCAPING.
2. INSTALL VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
3. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPING.
4. INSTALL VALVE BOX SO THAT TOP OF VALVE BOX IS FLUSH WITH ADJACENT HARDSCAPE.
5. PLACE 3/4" DIAMETER DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
6. BALL VALVE AND FITTINGS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
7. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

2 ID-2 REMOTE CONTROL VALVE ASSEMBLY

N.T.S.



KEY:

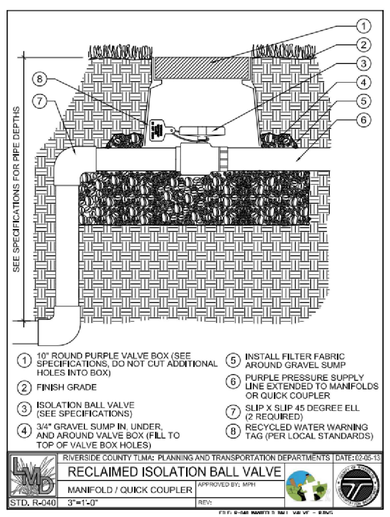
1. VALVE BOX WITH BOLT DOWN COVER AND BOX EXTENSIONS AS REQUIRED. REFER TO SPECIFICATIONS.
2. FLUSH IN PAVED AREAS, 2" IN PLANTING BEDS.
3. PIG TAIL EXPANSION LOOP, 18" MINIMUM.
4. BALL VALVE. SEE IRRIGATION LEGEND FOR MANUFACTURER AND MODEL NUMBER.
5. ELECTRIC CONTROL VALVE.
6. CONTROL AND COMMON WIRES.
7. VALVE IDENTIFICATION TAG, REFER TO SPECIFICATIONS.
8. FINISHED GRADE.
9. DRIP FILTER.
10. LATERAL LINE, ANGLE TO 12" MINIMUM DEPTH AS REQUIRED.
11. STANDARD BRICK , TYP. FOUR (4).
12. SCH 80 PVC UNION DOWNSTREAM OF VALVE.
13. SCH 40 PVC ADAPTER, TYP.
14. 3/4" DIAMETER DRAIN ROCK BELOW VALVE.

NOTES:

1. INSTALL VALVES A MINIMUM OF 1' - 0" FROM STRUCTURES OR HARDSCAPING.
2. INSTALL VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
3. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPING.
4. INSTALL VALVE BOX SO THAT TOP OF VALVE BOX IS FLUSH WITH ADJACENT HARDSCAPING.
5. PLACE DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
6. BALL VALVE & FITTINGS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
7. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

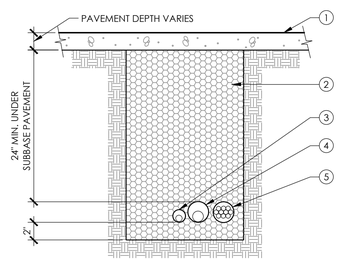
3 ID-2 DRIP REMOTE CONTROL VALVE ASSEMBLY

N.T.S.



4 ID-2 BALL VALVE

N.T.S.



KEY:

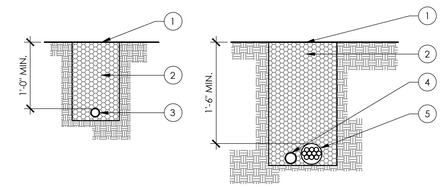
1. FINISH GRADE OF ASPHALT PAVING, CONCRETE OR OTHER IMPERVIOUS MATERIALS. SEE CIVIL PLANS.
2. CLEAN BACKFILL COMPACTED TO 95% UNDER PAVING. SEE SPECIFICATIONS.
3. NON PRESSURE LATERAL LINE SLEEVE REQ. UNDER PAVING (TWICE THE DIA. OF LATERAL LINE)
4. MAIN LINE SLEEVE REQUIRED, UNDER PAVING (TWICE THE DIAMETER, OF PRESSURE MAIN LINE)
5. CONTROL WIRE CONDUIT UNDER PAVING. SIZE AS REQUIRED. INSTALL ADJACENT TO PRESSURE MAIN LINE.

NOTES:

1. ALL SLEEVES TO BE SCH 40 PVC
2. EXTEND ALL SLEEVES 12" BEYOND EDGE OF HARDSCAPING AT BOTH ENDS, CAP ENDS AND FLAG LOCATIONS.
3. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

5 ID-2 IRRIGATION PIPE TRENCHING UNDER PAVEMENT

N.T.S.



KEY:

1. FINISH GRADE
2. CLEAN BACKFILL COMPACTED TO 85%. SEE SPECIFICATIONS.
3. LATERAL LINE
4. MAINLINE
5. CONTROL WIRE ADJACENT TO MAINLINE. SEE SPECIFICATIONS.

NOTES:

1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

6 ID-2 IRRIGATION PIPE TRENCHING

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ENGINEER				CITY	

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ACCEPTED BY:
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Jason Farag, PE 86560 Director of Public Works
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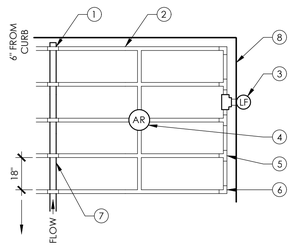

KEY:

1. PVC TO DRIP LINE CONNECTION POINT (CENTER FEED SHOWN)
2. DRIP LINE (BURIED 4") WITH EMITTERS. SEE LEGEND.
3. AUTOMATIC FLUSH VALVE, TYP.
4. AIR RELIEF VALVE AT HIGHEST POINT
5. BARBED TEE, TYP.
6. BARBED ELL, TYP.
7. PVC LATERAL
8. PERIMETER/EDGE OF PLANTING AREA

NOTES:

1. SPACING BETWEEN ROWS VARIES IN SLOPED CONDITIONS. REFER TO DRIP NOTES.
2. LOCATE AN AIR-RELIEF VALVE AT THE HIGH POINT OF EACH SYSTEM WITHIN A PLASTIC BOX.
3. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

1 / ID-3 SUBSURFACE INLINE DRIP SYSTEM

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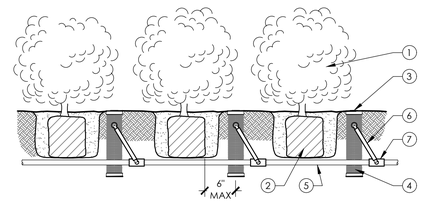


NOTES:

1. PLACE TOP OF TUBE EVEN WITH FINISH GRADE OR TOP OF MULCH.
2. SPACE WATERING SYSTEM EVENLY BETWEEN PLANTS, AS SHOWN ABOVE. WATERING SYSTEM SHALL BE PLACED WITHIN 6" OF THE ROOT BALL.
3. ONCE SYSTEM HAS BEEN INSTALLED FILL THE MESH TUBE WITH PEA GRAVEL BEFORE REPLACING LID.
4. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
5. SEE PLANS AND DETAILS FOR SHRUB AND GROUNDCOVER SPACING.

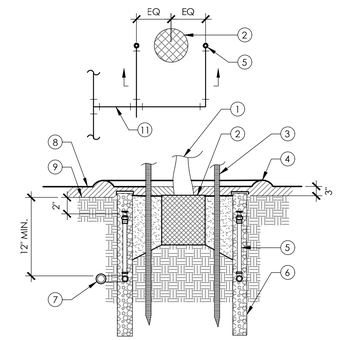
KEY:

1. REFER TO SHRUB PLANTING DETAIL FOR OTHER REQUIREMENTS.
2. SHRUB ROOTBALL
3. ROOT WATERING SYSTEM ASSEMBLY. SEE IRRIGATION LEGEND FOR MANUFACTURER AND MODEL NUMBER. INSTALL ONE PER SHRUB OR GROUNDCOVER. TOP OF GRATE TO BE EVEN WITH FINISH GRADE.
4. PEA GRAVEL 1/2" DIA. INSIDE MESH TUBE.
5. PVC LATERAL, TYP.
6. SWING ASSEMBLY AND SPIRAL BARB FITTING
7. PVC SCH 40 TEE OR EL

2 / ID-3 SHRUB ROOT WATERING SYSTEM

N.T.S.

PLAN VIEW



NOTES:

1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
2. FOR TREE PLANTING SEE 'TREE PLANTING' DETAIL.

KEY:

1. REFER TO TREE PLANTING DETAIL FOR OTHER REQUIREMENTS.
2. ROOTBALL
3. TREE STAKES
4. WATER RETENTION BERM
5. DEEP WATER BUBBLER ASSEMBLY. SEE IRRIGATION LEGEND FOR MANUFACTURER AND MODEL NUMBER. INSTALL TWO PER TREE.
6. PEA GRAVEL 1/2" DIA.
7. PVC LATERAL, TYP.
8. MULCH LAYER
9. FINISH GRADE

3 / ID-3 DEEP WATER BUBBLER ASSEMBLY

N.T.S.

WATER EFFICIENT LANDSCAPE WORKSHEET

Project: Wildomar-21-00062-Cemetery ADA-Palomar Widen — Date: 09/05/2023

ETo of location (inches/ year): 55.00

SECTION A - HYDROZONE INFORMATION TABLE

HYDROZONE	VALVES	IRRIGATION METHOD	AREA (SQ. FT.)	% OF LANDSCAPE AREA
I	A-1, A-3, A-5-6, & A-8	SUBSURFACE DRIP	2,615	49.0%
II	A-4	SHRUB BUBBLERS	1,652	30.9%
III	A-2 & A-7	TREE BUBBLERS	1,074	20.1%
SLA			0	0.0%
		TOTAL	5,341	100%

SECTION B.1 - MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

MAWA Equition: MAWA = (ETo) x [0.62) x [(0.7 x LA)+(0.3 x SLA)]

MAWA = [55.00) [0.62] (0.7 x 4,852) + 0

MAXIMUM APPLIED WATER ALLOWANCE = 127,489.67 GALLONS PER YEAR

SECTION B.2 - ESTIMATED TOTAL WATER USE (ETWU)

Estimated Total Water Use Equation: ETWU = (ETo) x [0.62) x [(PF x HA/0.71) + SLA]

HYDROZONE	PLANT USE WATER TYPE	PLANT FACTOR (PF)	AREA (SQ. FT.)	PF X HA (SQ. FT.)
I	MEDIUM	0.5	2,615	1,308
II	LOW	0.1	1,652	165
III	MEDIUM	0.5	1,074	537
		(PF X HA) =		2,010 SF

ETWU = [55.00) [0.62] (PF x HA) / 0.71

ESTIMATED TOTAL WATER USE = 96,522.21 GALLONS PER YEAR

The ETWU is less than MAWA. The water budget complies with the MAWA

MARK THOMAS

WATER EFFICIENT LANDSCAPE WORKSHEET

Project: Wildomar-21-00062-Cemetery ADA-Palomar Widen — Date: 09/05/2023

ETo of location (inches/ year): 55.00

SECTION A - HYDROZONE INFORMATION TABLE

HYDROZONE	VALVES	IRRIGATION METHOD	AREA (SQ. FT.)	% OF LANDSCAPE AREA
I	B-1-3	SUBSURFACE DRIP	5,582	89.1%
I	C-1	SUBSURFACE DRIP	681	10.9%
		TOTAL	6,263	100%

SECTION B.1 - MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

MAWA Equition: MAWA = (ETo) x [0.62) x [(0.7 x LA)+(0.3 x SLA)]

MAWA = [55.00) [0.62] (0.7 x 4,852) + 0

MAXIMUM APPLIED WATER ALLOWANCE = 149,497.81 GALLONS PER YEAR

SECTION B.2 - ESTIMATED TOTAL WATER USE (ETWU)

Estimated Total Water Use Equation: ETWU = (ETo) x [0.62) x [(PF x HA/0.71) + SLA]

HYDROZONE	PLANT USE WATER TYPE	PLANT FACTOR (PF)	AREA (SQ. FT.)	PF X HA (SQ. FT.)
I	LOW	0.3	6,263	1,879
		(PF X HA) =		1,879 SF

ETWU = [55.00) [0.62] (PF x HA) / 0.71

ESTIMATED TOTAL WATER USE = 90,240.13 GALLONS PER YEAR

The ETWU is less than MAWA. The water budget complies with the MAWA

MARK THOMAS

4 / ID-3 MAWA & ETWA CALCULATIONS

N.T.S.

RECYCLED WATER GENERAL NOTES

1. Five (5) days prior to commencement of any excavation of on-site improvements, the contractor shall notify the Elsinore Valley Municipal Water District Engineering and Inspection Department at (951) 674-3146 x 8402.
2. All work shall be done in accordance with the Elsinore Valley Municipal Water District (EVMWD) "Rules and Regulations for Recycled Water Use and Distribution within the Elsinore Valley Municipal Water District", and the State Water Resources Control Board - Division of Drinking Water (DDW) requirements.
3. Cross connection between recycled water lines and potable water lines is strictly prohibited.
4. No substitution of pipe materials will be allowed without prior approval by the EVMWD and DDW.
5. All below grade recycled water pipe shall be color code purple pantone #522 or distinctively sleeved in purple recycled water protective wrapping or in purple tape fixed to top of pipe and stenciled with "Caution recycled water - DO NOT DRINK". Orient the stenciling to the top of the trench for laterals. Install purple metallic tape over the recycled water mains per the recycled water system standard design requirements in the EVMWD standard specifications and drawings.
6. All above ground recycled water facilities shall be purple colored pantone #512 and marked to differentiate recycled water facilities from potable water or wastewater facilities per American Water Works Association (AWWA) guidelines and section 116815 of the California Health and Safety Code.
7. Provide a minimum cover of all pipes in accordance with EVMWD standard specifications and drawings per the standard design requirements for recycled water pipelines.
8. Maintain separation between potable water, recycled water, and/or sewer pipelines according to the EVMWD standard drawings and CDPH guidance memo no. 2003-02 latest revision.
9. All public and private potable water mains including fire mains, services and any water wells and water courses within the recycled water project shall be shown on the plans.
10. Tag all valves and other below grade facilities within boxes with permanent recycled water labels that identify the facility as "Recycled Water - DO NOT DRINK NO BEBER". Attach the label with either stainless steel wire or self-locking plastic ties.
11. Blowoff assemblies for recycled water shall be in accordance with EVMWD standard drawing RW-1.
12. All public facilities such as comfort stations, drinking fountains, outdoor eating areas, etc. shall be protected from spray and or misting by recycled water.
13. No ponding, run-off, misting, or over spray is permitted. Relocate or adjust all irrigation heads to prevent over spraying onto sidewalks, streets, private lots, and areas not approved for recycled water use.

REVISION	BY	APPR.	DATE

EVMWD Elsinore Valley Municipal Water District — 7-20-17 — Jason R. Dufflers R.C.E. 82033 DATE

RECYCLED WATER GENERAL NOTES — STD. DWG. NO. GN-5

4 / ID-3 RECYCLED WATER GENERAL NOTES

ELSINORE VALLEY MUNICIPAL WATER DISTRICT STANDARDS

N.T.S.

RECYCLED WATER GENERAL NOTES (CONT.)

14. Areas not approved for recycled water use shall be protected from contact with recycled water, whether by windblown spray or by direct application through irrigation or other use. Lack of protection, whether by design, construction practice, or system operation is strictly prohibited.
15. Hose bibs on recycled water systems are prohibited.
16. Recycled water quick coupling valves shall be designed for use on recycled water in accordance with the rules, and regulations.
17. Quick coupling valves use in recycled water systems shall conform the following:
    17.1. Quick coupling valves can be 1 inch or 3/4 inch nominal size, with brass construction and a normal working pressure of 150 psi or equal.
    17.2. A purple rubber or vinyl locking cover shall be permanently attached to the quick coupling valves, Nelson 7645 with Acme threads.
18. When potable water and recycled water lines cross, the recycled water line shall be installed within a protective pipe similar to standard drawing W-6 except AWWA C-905 PVC pipe can be used in place of steel pipe. The protective pipe shall extend 10 feet from each side of the outside edge of the potable water line.
19. Provide a minimum of 12 inches of vertical separation between potable water, recycled water, and sewer line according to these rules and DDW. Maintain at least 12 inches crossing separation between other utilities unless otherwise directed by EVMWD personnel.
20. Install purple colored pantone #512 material for all above grade irrigation facilities per AWWA guidelines and section 116815 of the California Health and Safety Code.
    20.1. Valve and other on - grade boxes - purple color.
    20.2. Sprinkler heads - purple color.
21. All recycled water sprinkler control valves and others below grade facilities within boxes shall be tagged with identification tags. Tags shall be weather proof plastic 3 inches x 4 inches, purple in color, with words "Recycled Water - DO NOT DRINK" and "Aviso Agua Impura - NO TOMAR" imprinted on one side, and the recognized symbol for not drinking on the other side. Imprinting shall be permanent and black in color. One tag shall be attached either to the valve stem directly with plastic tie wrap, or to the solenoid wire directly with plastic tie wrap per EVMWD standard drawing RW-3.
22. The contractor shall conduct a cross-connection control shutdown test and coverage test (as defined in section 4.8 of the District's rules) when requested by the District or DDW prior to any use of recycled water. The method of this test must be accepted by the district.
23. The required cross-connection shutdown test may be performed by a certified cross-connection control specialist as defined in the district's rules and witnessed by the district's cross-connection specialist. Copies of inspection reports shall be forwarded to the district.

REVISION	BY	APPR.	DATE

EVMWD Elsinore Valley Municipal Water District — 7-20-17 — Jason R. Dufflers R.C.E. 82033 DATE

RECYCLED WATER GENERAL NOTES — STD. DWG. NO. GN-6

5 / ID-3 RECYCLED WATER GENERAL NOTES CONT.

ELSINORE VALLEY MUNICIPAL WATER DISTRICT STANDARDS

N.T.S.

DIGALERT — DIAL BEFORE YOU DIG — CALL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR — Est. 1886 — Inc. 2008 — Tradition ~ Opportunity ~ Prosperity

CITY OF WILDOMAR
ACCEPTED BY:
7/8/2024
Date:
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: LICENSED LANDSCAPE ARCHITECT — JINGWEN GUO — Signature — Date: 03-30-2023 — Renewal Date: 09/30/2025 — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.

THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025

SCALE: H: As Noted V: As Noted

PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

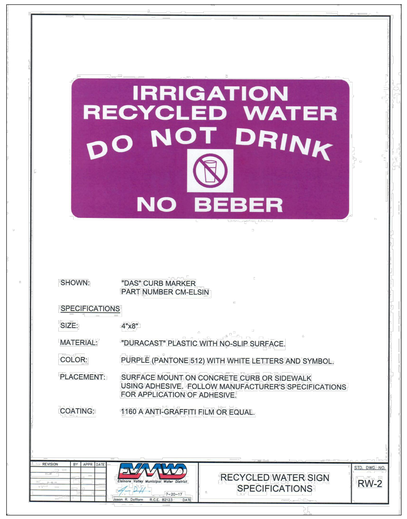
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
IRRIGATION DETAILS

SHEET No. ID-3 SHT-75 OF 80 SHTS

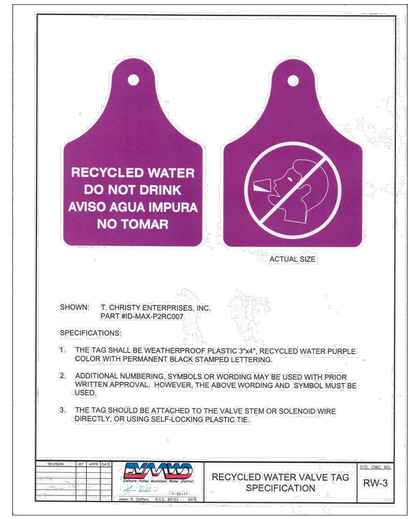
J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - ID.DWG 4/25/2024 12:02:21 PM

Plans Prepared On:4/25/24

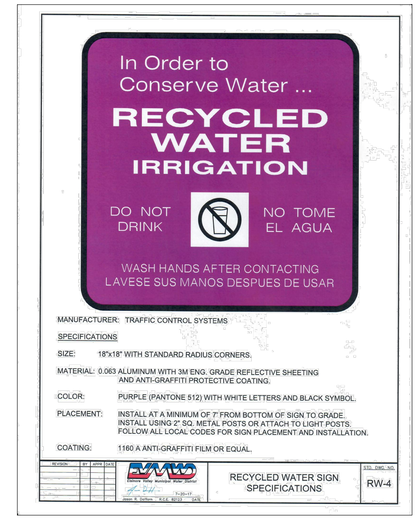
DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



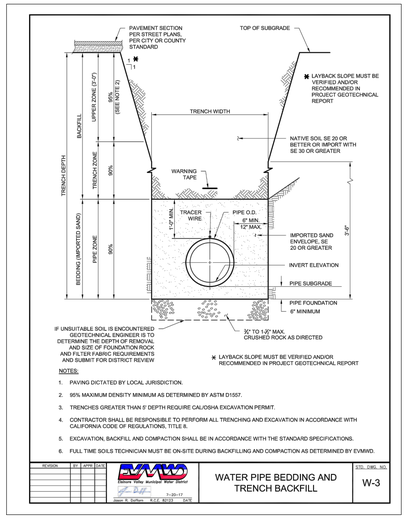
1 ID-4 RECYCLED WATER SIGN SPECIFICATIONS
ELSINORE VALLEY MUNICIPAL WATER DISTRICT STANDARDS N.T.S.



2 ID-4 RECYCLED WATER VALVE TAG SPECIFICATION
ELSINORE VALLEY MUNICIPAL WATER DISTRICT STANDARDS N.T.S.



3 ID-4 RECYCLED WATER SIGN SPECIFICTIONS
ELSINORE VALLEY MUNICIPAL WATER DISTRICT STANDARDS N.T.S.



4 ID-4 WATER PIPE BEDDING AND TRENCH BACKFILL
ELSINORE VALLEY MUNICIPAL WATER DISTRICT STANDARDS N.T.S.

PRESSURE LOSS CALCULATION WORKSHEET

Date:	9/11/2023		
Project Name:	Wildomar Cemetery ADA-Palomar Widen		
Project #:	21-00062		
Location:	Wildomar, CA		
Water Purveyor:	Elsinore Valley Municipal Water District		
Contact Name:	David Ochola		
Contact Phone:	(951) 674-3146 ext. 8338		
Contact Email:	X		
Date Contacted:	1/10/2023		
Furthest Remote Control Valve	Station A-12	9.50 GPM	
Furthest Remote Control Valve			
STATIC PRESSURE			60
DYNAMIC PRESSURE			0

POC EQUIPMENT	PRODUCT	SIZE	CALCULATIONS			TOTAL
Irrigation Water Meter	Sensus Compound	1.5"				1.2
Backflow Prevention Device	Wilkins 975XL	1.5"				13.5
Master Valve	Superior 3200150	1.5"				0.0
Flow Sensor	Rainbird FS 150B	1.5"				0.0
Gate Valve	Watts LFWGV	1.5"				0.0
PIPE						
			Linear Feet	Loss/100'	Subtotal	
Supply line	Type K Copper	1.5"	28	0.51	0.1326	
Mainline	Sch 40	1.5"	487	0.32	1.5584	
Lateral line	Sch 40	1"	116	2.63	3.0508	
						4.7
REMOTE CONTROL VALVE						
Station A-12	Rainbird EFB-CP	1"	9.50 GPM			0.7
ELEVATION CHANGE						**TOTAL**
			Change	Multiplier	Subtotal	
Decrease in Elevation			0	0.43	0	0.0
Increase in Elevation			0	0.43	0	0.0
SUBTOTAL						20.1
20% Miscellaneous Pressure Loss						4.0
Pressure Required at Sprinkler						25
TOTAL PRESSURE LOSS						49.2
REMAINING PRESSURE						15.8

PRESSURE LOSS CALCULATION WORKSHEET

Date:	9/11/2023		
Project Name:	Wildomar Cemetery ADA-Palomar Widen		
Project #:	21-00062		
Location:	Wildomar, CA		
Water Purveyor:	Elsinore Valley Municipal Water District		
Contact Name:	David Ochola		
Contact Phone:	(951) 674-3146 ext. 8338		
Contact Email:	X		
Date Contacted:	1/10/2023		
Highest Remote Control Valve	Station A-7	26 GPM	
Highest Remote Control Valve			
STATIC PRESSURE			60
DYNAMIC PRESSURE			0

POC EQUIPMENT	PRODUCT	SIZE	CALCULATIONS			TOTAL
Irrigation Water Meter	Sensus Compound	1.5"				1.4
Backflow Prevention Device	Wilkins 975XL	1.5"				13.0
Master Valve	Superior 3200150	1.5"				0.8
Flow Sensor	Rainbird FS 150B	1.5"				0.0
Gate Valve	Watts LFB 6901	1.5"				0.0
PIPE						
			Linear Feet	Loss/100'	Subtotal	
Supply line	Type K Copper	1.5"	28	2.99	0.7774	
Mainline	Sch 40	2"	191	0.54	1.0314	
Lateral line	Sch 40	1.5"	411	1.86	7.6446	
						9.5
REMOTE CONTROL VALVE						
Station A-7	Rainbird EFB-CP	1.5"	26 GPM			2.0
ELEVATION CHANGE						**TOTAL**
			Change	Multiplier	Subtotal	
Decrease in Elevation			0	0.43	0	0.0
Increase in Elevation			0	0.43	0	0.0
SUBTOTAL						27.2
20% Miscellaneous Pressure Loss						5.4
Pressure Required at Sprinkler						25
TOTAL PRESSURE LOSS						57.6
REMAINING PRESSURE						7.4

5 ID-4 PRESSURE CALCULATION AT CEMETERY AREA
N.T.S.

Memo calsense™ FEATURING: IRRIGATION MANAGEMENT AS A SERVICE™

To: Mark Thomas
From: Steve Sierra
Subject: APN: 375-060011,012,014
Date: 9/22/2023

Hello Mitchell,

Your organization has designed this project with the following specifications.

Customer name: Wildomar, City of
Project name: Cemetery Improvements and Palomar St. Widening
Tract/APN: APN: 375-060-011,012,014
Nearest cross streets: Palomar St. and Growell
Controller: CS3-16-5/CS3-GR-KIT/COMM-5YR-2/FM 2B
Lowest flow: 9.5
Highest flow: 26
GPM reclaimed water: NO
Overhead sprays: NO
Basins: NO
Moisture sensors: NO

Notes:

The single controller is specified to be factory assembled in a stainless steel enclosure. This is a single controller, single POC, single flow meter and master valve design. The design is done with a Calsense FM 2B flow sensor. The minimum flow on the system is 9.5 GPM and the maximum is 26 GPM.

This controller, as configured, will communicate using Cellular radio and is specified with appropriate data access plan. Please verify communication coverage for this area at http://www.wireless.att.com/coverageviewer/#?type=data

Real Time ET and Rain will be provided by the Calsense Weathersense Cloud Service.

Thank you,
Steve Sierra

6 ID-4 Calsense Memo
N.T.S.

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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF WILDOMAR
ACCEPTED BY: 7/8/2024 Date:
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: LICENSED LANDSCAPE ARCHITECT JINGWEN GUO LAM LE Signature Dec-30-2025 Renewal Date STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
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CITY OF WILDOMAR
CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
IRRIGATION DETAILS

SHEET No. ID-4 SHT-76 OF 80 SHTS

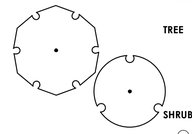
J:\WILDOMAR-21-00062-CEMETERY ADA-PALOMAR WIDEN\CADD_2018\LANDSCAPE\SHEETS\WILDOMAR - ID.DWG 4/25/2024 12:02:21 PM

Plans Prepared On:4/25/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38

PLANTING NOTES

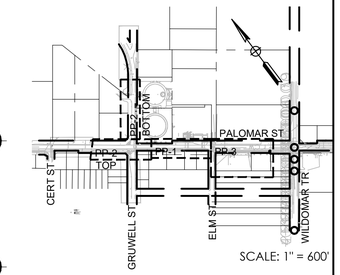
1. MULCH AND WEED BARRIER: INSTALL A UNIFORM THREE INCH COVERING, MULCH PER SPECIFICATIONS AND A LAYER OF WEED BARRIER IN ALL PLANTING AREAS. SEE SPECS.
2. TOPSOIL: CONTRACTOR SHALL EXCAVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 24". ALL EXISTING ROADWAY PAVEMENT AND AGGREGATE BASE SHALL BE REMOVED FROM THE PLANTING AREAS BEFORE INSTALLING AMENDED TOPSOIL. TOPSOIL SHALL BE INSTALLED 3" BELOW FINISH GRADE OF SURROUNDING HARDSCAPE TO ALLOW FOR 3" OF MULCH.
3. SOILS TESTING: SEE SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS. IN ADDITION, CONTRACTOR SHALL SUBMIT A ONE GALLON SAMPLE OF NATIVE TOPSOIL FROM ANY AREAS PREVIOUSLY COVERED BY PAVING, TO WAYPOINT ANALYTICAL CALIFORNIA, INC. (714) 282-8777 FOR CONTAMINATION TESTING. TESTING REQUIRES FOUR TO FIVE WEEKS. CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOR TESTING PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL NOT EXCAVATE SOIL WITHIN THE DRIP LINE OF EXISTING TREES TO REMAIN.
5. ROOT BARRIERS: CONTRACTOR SHALL INSTALL LINEAR ROOT BARRIER ANYWHERE TREES ARE LOCATED WITHIN 6-FEET OF PAVEMENT AS SHOWN ON PLANS, PER SPECIFICATIONS. SEE DETAIL. (2 / PD-1)
6. TREES: INSTALL PER PLANS AND DETAILS. (1 / PD-1)
7. SHRUBS: SHRUBS SHALL NOT BE PLANTED WITHIN 3' MINIMUM OF NEWLY PLANTED TREES. A LAYER OF MULCH SHALL BE PLACED AROUND THE TREES AS NOTED ABOVE. (3 / PD-1)
8. GROUNDCOVER: PROVIDE GROUNDCOVER AT INDICATED TRIANGULAR ON-CENTER SPACING THROUGHOUT ALL PLANTING AREAS. GROUNDCOVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS. INSTALL PER DETAIL. (4 / PD-1)

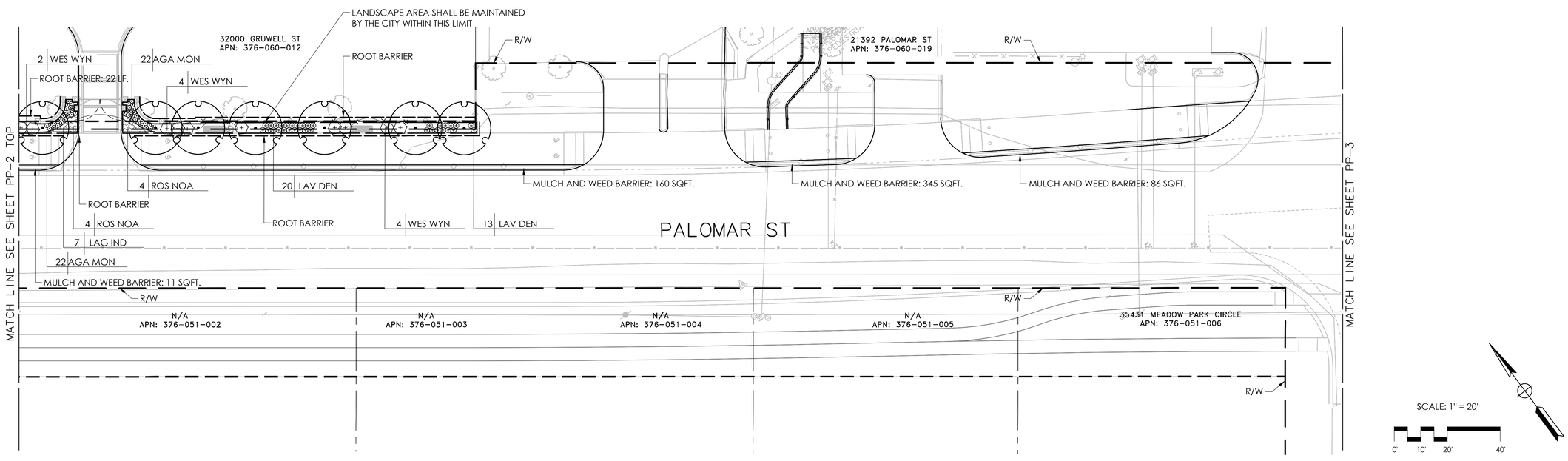


PLANTING LEGEND

LABEL	BOTANICAL NAME	COMMON NAME	WATER USAGE (WUCOLS)	SIZE	SPACING	
TREE						
CAS LEP	*CASSIA LEPTOPHYLLA*	GOLD MEDALLION	M	24" BOX	AS SHOWN	1 / PD-1, 2 / PD-1
LAG IND	*LAGERSTROMIA INDICA 'MUSKOGEE'*	MUSKOGEE CRAPE MYRTLE (SINGLE TRUNK)	M	24" BOX	AS SHOWN	
SHRUB						
AGA MON	*AGAPANTHUS HYBRID 'MONMID'*	MIDNIGHT BLUE AGAPANTHUS	M	1 GAL	AS SHOWN	3 / PD-1, 4 / PD-1
ALC ROS	*ALCEA ROSEA 'DOUBLE APRICOT'*	HOLLYHOCK	M	1 GAL	AS SHOWN	
LAV DEN	*LAVANDULA DENTATA*	FRENCH LAVENDER	L	1 GAL	AS SHOWN	
WES FRU	*WESTRINGIA FRUITCOSA 'MORNING LIGHT'*	COAST ROSEMARY	L	5 GAL	AS SHOWN	
WES WYN	*WESTRINGIA 'WYNYABBIE GEM'*	COAST ROSEMARY	L	5 GAL	AS SHOWN	
BOU IMP	*BOUGAINVILLEA IMPERIAL*	IMPERIAL DELIGHT BOUGAINBILLEA	L	5 GAL	AS SHOWN	
GROUNDCOVER						
KNI UVA	*KNIPHOFIA UVARIA*	RED HOT POKER TORCH LILY	M	1 GAL	24" O.C.	4 / PD-1
ROS NOA	*ROSA X ' NOASCHNEE"*	FLOWER CARPET WHITE ROSE	M	2 GAL	36" O.C.	
MYO POR	*MYOPORUM PARVIFOLIUM 'PINK'*	PINK CREEPING MYOPORUM	L	1 GAL	60" O.C.	

ROOT BARRIER, SEE SPECS. (2 / PD-1)





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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
LICENSED LANDSCAPE ARCHITECT — JINGWEN GUO — Signature — Expiration Date — Registered Owner — STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

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PP, CUP, PM, TM, etc. — Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

PLANTING PLAN

SHEET No. PP-1 SHT-77 OF 80 SHTS

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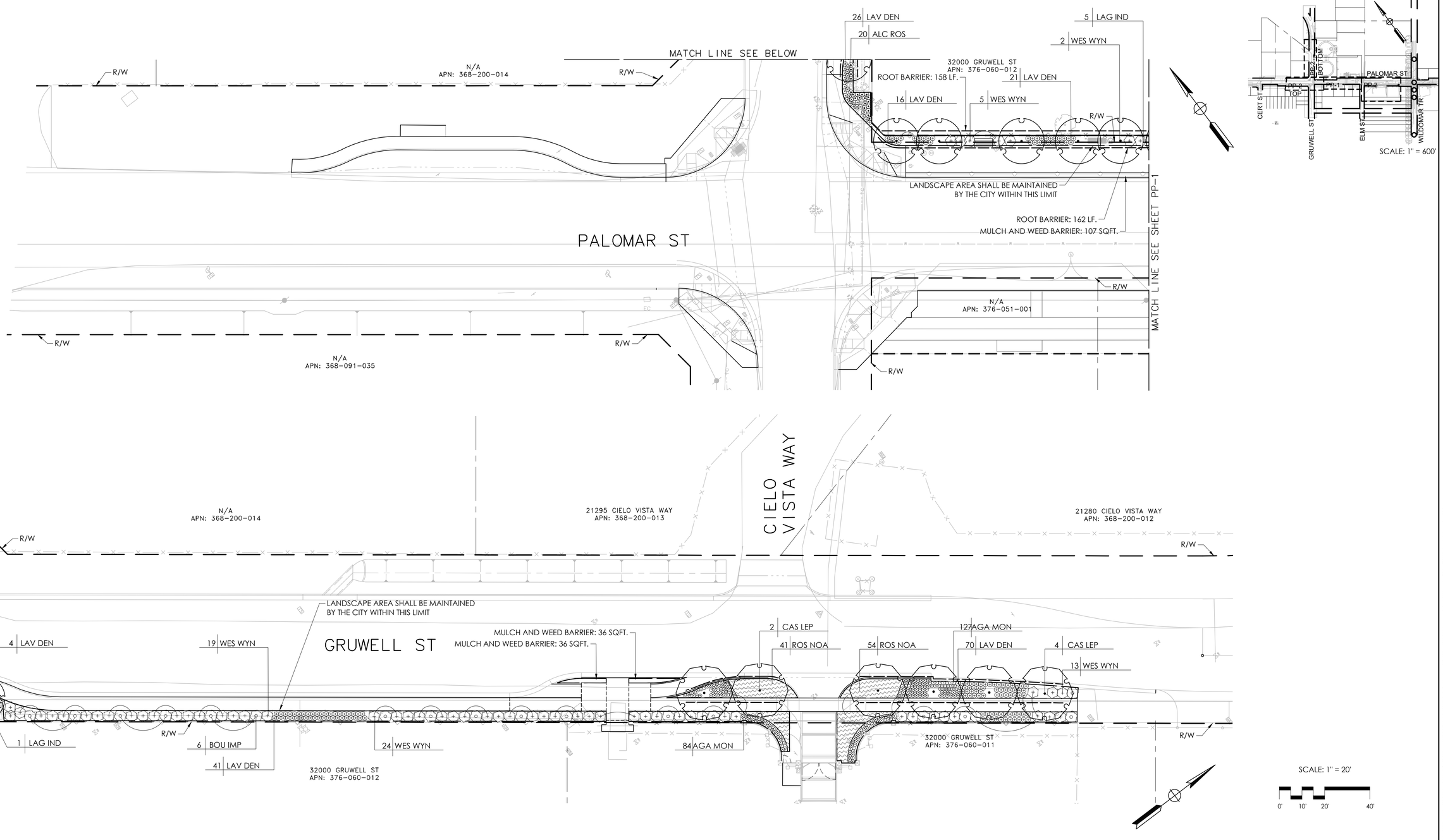
Plans Prepared On:5/15/24

DocuSign Envelope ID: 69BA1104-DDE9-415C-A833-E3848F79ED38



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ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
LICENSED LANDSCAPE ARCHITECT
JINGWEN GUO
Signature
Expiration Date
STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY: JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

BENCHMARK:
Elevation = 1255.326'
Datum = NGVD 29
BENCHMARK #E-21, U.S.C. & G.S.
THIS SURVEY WAS PERFORMED ON MARCH 1, 2021 BY LAM LE L.S. 8231, EXP. 12/31/2025
SCALE:
H: As Noted V: As Noted

PP, CUP, PM, TM, etc. Project CIP 67-1 & 28-2

CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

PLANTING PLAN

SHEET No.
PP-2
SHT-78
OF 80 SHTS

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Plans Prepared On:5/15/24

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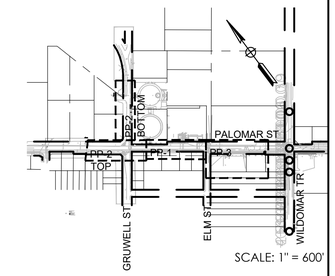

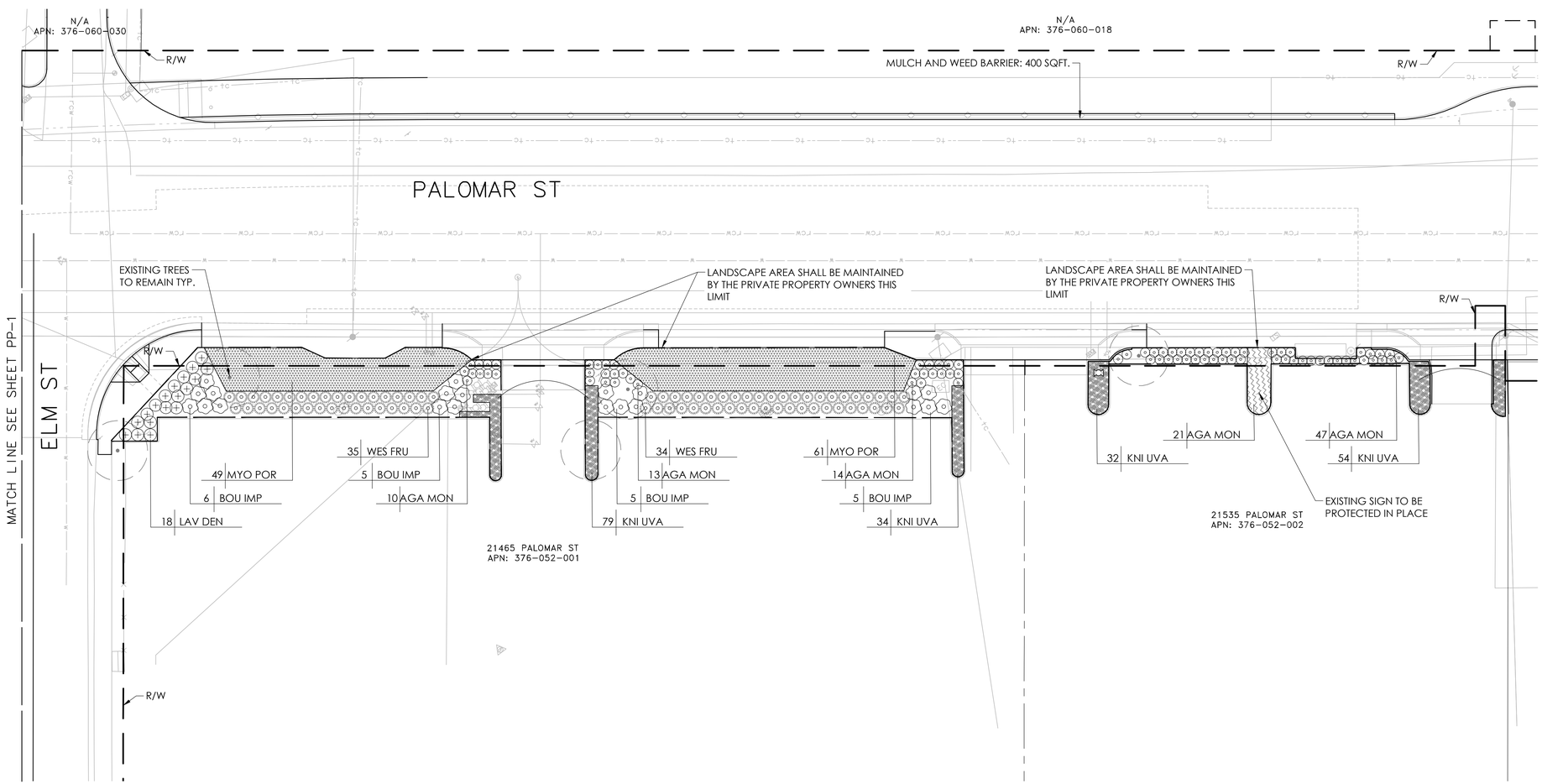

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
7/18/2024
Date:
Jason Farag, PE 86560 Director of Public Works

ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER:
LICENSED LANDSCAPE ARCHITECT
JINGWEN GUO LAM
Signature
Registration Number
Renewal Date
2026
STATE OF CALIFORNIA

MARK THOMAS
(909) 291-7245
4200 CONCOURS ST., SUITE 330
ONTARIO, CA 91784
PREPARED BY:
JINGWEN GUO
R.C.E. No. 6563 EXP. 09/30/2025

BENCHMARK:
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BENCHMARK #E-21, U.S.C. & G.S.

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING

PLANTING PLAN

SHEET No.
PP-3
SHT-79
OF 80 SHTS

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Plans Prepared On:4/25/24

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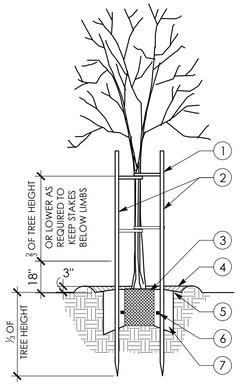
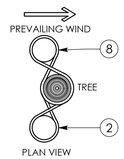




KEY:

1. TREE TIES AT TWO LOCATIONS, REFER TO SPECIFICATIONS FOR TYPE, (FOUR TOTAL) TYP. PROVIDE 5" - 6"OF SLACK IN TIES TO ALLOW FOR TREE MOVEMENT IN THE WIND.
2. TWO 2" DIA. TREATED LODGEPOLE TREE STAKES (SET PLUMB) DO NOT PENETRATE ROOTBALL.
3. ROOT BALL, SET CROWN 2" ABOVE FINISH GRADE. PROVIDE POSITIVE DRAINAGE AWAY FROM ROOTBALL.
4. WATER RETENTION BERM (EXCEPT IN TURF AREAS)
5. MULCH. REFER TO SPECIFICATIONS
6. FERTILIZER TABLETS, REFER TO SPECIFICATION TYPE
7. PLANTING PIT TO BE TWICE THE DIAMETER OF ROOTBALL. BACKFILLED WITH AMENDED SOIL. REFER SOIL LAB TESTING REPORT OF SOIL AMENDMENT RECOMMENDATION
8. SECURE TREE TIE WITH GALV. FENCE STAPLE.

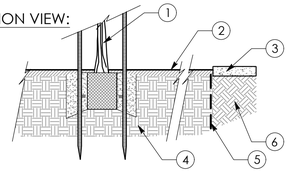
NOTES:

1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

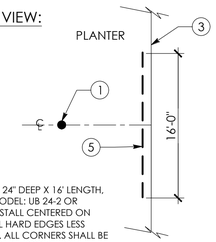
1 / PD-1 TREE PLANTING

N.T.S.

SECTION VIEW:



PLAN VIEW:



KEY:

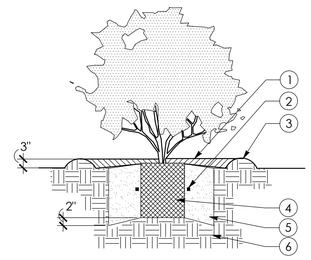
1. TREE PLANTING, SEE DETAIL 1 / PD-1
2. MULCH, REFER TO SPECIFICATIONS.
3. ADJACENT CURB OR PAVEMENT, SEE PLAN.
4. NATIVE OR IMPORT SOIL.
5. LINEAR ROOT BARRIER 24" DEEP X 16' LENGTH, BY DEEPROOT, INC. MODEL: UB 24-2 OR APPROVED EQUAL. INSTALL CENTERED ON TREE, PARALLEL TO ALL HARD EDGES LESS THAN 6'-0" FROM TREE. ALL CORNERS SHALL BE 90 DEGREES. CONNECT ALL CORNERS WITH MANUFACTURER'S COUPLINGS. INSTALL PER MANUFACTURER'S SPECIFICATIONS. ALIGN TOP OF ROOT BARRIER PANELS FLUSH WITH FINISHED GRADE IN PLANTER.
6. COMPACTED SUBGRADE, SEE PLANS AND SPECS.

NOTES:

1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

2 / PD-1 ROOT BARRIER

N.T.S.



KEY:

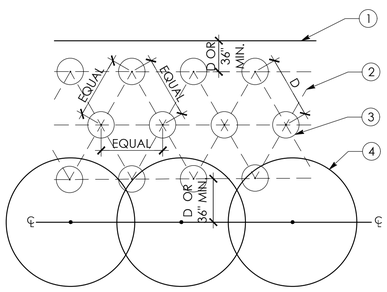
1. MULCH, SEE SPECIFICATIONS
2. FERTILIZER TABLETS, SEE SPECIFICATIONS
3. WATER RETENTION BERM
4. ROOT BALL- SET CROWN 1" ABOVE FINISH GRADE. PROVIDE POSITIVE DRAINAGE AWAY FROM ROOTBALL.
5. PLANTING PIT TO BE TWICE THE DIAMETER OF ROOTBALL. BACKFILLED WITH AMENDED SOIL. REFER SOIL LAB TESTING REPORT OF SOIL AMENDMENT RECOMMENDATION
6. UNDISTURBED NATIVE SOIL UNDER ROOTBALL. PROVIDE POSITIVE DRAINAGE AWAY FROM ROOTBALL.

NOTES:

1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

3 / PD-1 SHRUB PLANTING

N.T.S.



KEY:

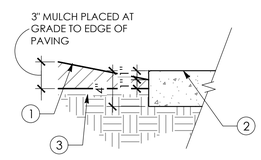
1. MOW CURB, PAVEMENT EDGE, OR WOOD HEADER
2. TYPICAL SPACING (D). SEE PLANTING PLAN.
3. GROUNDCOVER PLANT, SIZE AS DENOTED ON PLANTING PLAN.
4. SHRUB MASS, TYP.

4 / PD-1 SHRUB & GROUNDCOVER SPACING

N.T.S.

5 / PD-1 NOT USED

N.T.S.



KEY:

1. WALK-ON MULCH, SEE SPECS.
2. CONCRETE WALK, SLOPE PER PLAN
3. FINISH GRADE

6 / PD-1 MULCH PAVING EDGE

N.T.S.

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MARK	BY	DATE	REVISIONS	APPR.	DATE
ENGINEER				CITY	

CITY OF WILDOMAR
ACCEPTED BY:
Date: 7/8/2024
Jason Farag, PE 86560 Director of Public Works
ACCEPTANCE AS TO CONFORMANCE WITH APPLICABLE CITY STANDARDS AND PRACTICES

SEAL-ENGINEER: LICENSED LANDSCAPE ARCHITECT JINGWEN GUO STATE OF CALIFORNIA

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CITY OF WILDOMAR

CEMETERY IMPROVEMENTS AND PALOMAR ST WIDENING
PLANTING DETAILS

SHEET No. PD-1 SHT-80
OF 80 SHTS

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Initials: 1
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Completed	Security Checked	7/8/2024 11:02:17 AM

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To advise City of Wildomar of your new email address

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- Until or unless you notify City of Wildomar as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by City of Wildomar during the course of your relationship with City of Wildomar.

BID DOCUMENTS FOR

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY PERIMETER WALL, FENCING, AND ADA IMPROVEMENTS, PROJECT CIP 028-2 & CIP 067-1

City of Wildomar
Public Works/Engineering Department
23873 Clinton Keith Road, Suite 110
Wildomar, CA 92595
wildomarpw@cityofwildomar.org
(951) 677-7751

Bids Due: 3:00 PM on Wednesday, August 14, 2024
At the City Clerk's Office, Wildomar City Hall
23873 Clinton Keith Road, Suite 110, Wildomar, CA 92595

Optional Site Investigation: 10:00 AM on Monday, July 15, 2024
At the Wildomar Cemetery
21400 Palomar Street, Wildomar, CA 92595

Questions and inquiries may be submitted in writing via e-mail until 5:00 pm on Thursday, July 18, 2024 via PlanetBids.

All responses will be made available to all bidders.

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PART I – BIDDING REQUIREMENTS

Section A.
Invitation to Bid

NOTICE IS HEREBY GIVEN that sealed bids will be received at the office of the City Clerk, located at 23873 Clinton Keith Road, Suite 110, Wildomar, California, 92595 until **3:00 pm** local time on **Wednesday, August 14, 2024,** for furnishing all labor, material, tax, transportation, equipment, and services necessary for the:

Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements

CIP 028-2 & CIP 067-1

Bids will be opened and tabulated immediately after the time bids are due in the City Council Chambers located at 23873 Clinton Keith Rd., Suite 106, Wildomar, California, 92595.

Questions and inquires may be submitted in writing via PlanetBids until 5:00 pm on Thursday, July 18, 2024 at https://vendors.planetbids.com/portal/66534/portal-home. Responses will be made available to all bidders.

A-1. Description of Work

The proposed work shall be performed in accordance with the plans, specifications and other contract documents and shall consist of the following:

1) Construction of a new masonry block perimeter wall and decorative wrought iron fence along portions of the Wildomar Cemetery, new decorative wrought iron vehicle/pedestrian/trash enclosure gates along said wall, frontage landscaping and miscellaneous ADA improvements within the Wildomar Cemetery limits.
2) Removal, rehabilitation and widening improvements along Palomar Street from just south of Wildomar Trail to Cert Street and along Gruwell Street from just west of Palomar Street to just north of the Wildomar Cemetery including a new decorative multi-use trail system and fence, traffic signal modifications, landscape and irrigation improvements, and pedestrian and bicycle enhancement facilities.
3) Construction of concrete driveway aprons and concrete curb, gutter, and sidewalks within the project area, including ADA compliant access at the school district facility.
4) All items not mentioned but indicated in the Plans, Specifications, and the Technical Specifications within the Contract Documents.

A-2. Obtaining Documents

Project documents may be downloaded from PlanetBids (https://vendors.planetbids.com/portal/66534/portal-home), from the City of Wildomar Website (https://www.cityofwildomar.org/223/RFPs-RFQs), or purchased from the City for $50.00.

A-3. Site Investigation

Prospective bidders are encouraged to investigate and fully acquaint themselves with existing conditions so they may understand all factors involved in the execution of this project. All areas of the project construction including the Cemetery grounds are open to the public. **The date of July 15, 2024, at 10:00 am has been established as an optional site visit time where access to closed areas at the Wildomar Cemetery will be available. The address for the Wildomar Cemetery is 21400 Palomar Street, Wildomar, CA 92595. Bidders may contact the Cemetery at (951) 678-2451 to indicate their attendance at this site visit. No questions will be addressed at this visit.** The City has performed some potholing within the project area; Prospective bidders should be familiar with the subsurface conditions.

A-4. Retention

Prospective bidders should be aware that in accordance with Public Contract Code § 7201(b) the City has determined this project is "substantially complex" and requires a higher retention amount. The City will withhold a ten percent (10% retention amount) from all progress payments until all of the project work has been successfully completed and accepted by City. The basis of this finding includes, but is not limited to, the following factors included in the project:

- Roadway widening;
- ADA accessibility features;
- Specialty items of improved traffic control devices (including traffic signals) and traffic signage;
- Work within school district and cemetery district rights of way;
- Coordination and mitigation of potential access and business disruption;
- Vertical construction of perimeter wall and fencing at cemetery;
- Specialty items of avoiding damage to marked and unmarked grave sites;
- Aesthetic improvements using designer, colored and stamped pavement materials;
- Construction of bike lanes and walking trails;

The submission of a bid proposal shall be conclusive evidence that the Bidder expressly consents to the City's "substantially complex" findings and to the 10% retention amount.

A-5. Submission of Proposals

All proposals must be submitted not later than the time prescribed. The bidder is wholly responsible for seeing that the bid is submitted at the time and place designated for the opening of bids. Any bid received after the time and date specified shall not be considered and shall be returned unopened. Any bid may be withdrawn prior to the scheduled time for opening bids.

Each bid must conform to and be responsive to this notice and shall be made on the official proposal forms furnished with the contract documents.

Hand delivered bids on the day of the bid opening shall be made to the City Clerk at the address set forth above. Mailed bids must be received by the City prior to the hour and date of the bid opening and shall be addressed to the City Clerk at the address set forth above.

Attention is directed to the provisions of Business and Professions Code section 7028.15, which makes it a misdemeanor for any person without a valid contractor's license (with specific exceptions) to submit a bid to act as a Contractor to a public agency.

A-6. Proposal Guarantee

Each bid must be sealed and accompanied by cash, a cashier's check, or bid bond, executed on the prescribed form, in an amount not less than ten (10) percent of the total bid price payable to the City of Wildomar.

The cash, cashier's check, or bid bond shall be given as a guarantee that the successful bidder will enter into a written contract within ten (10) days after being requested to do so and will be considered as the stipulated amount of liquidated damages in the event the bidder is unable to or refuses to execute a contract for the work. Upon an award to the successful bidder, the security of unsuccessful bidders shall be returned in a reasonable period of time.

Bidders are hereby notified that in accordance with the provisions of Public Contracts Code section 22300, securities may be substituted for any monies which the City may withhold pursuant to the terms of this Contract to ensure performance.

If the bidder elects to provide a bid bond, the bond shall be furnished by a company that is authorized and licensed by the Insurance Commissioner as an "admitted surety insurer."

A-7. Construction License

The successful bidder must possess a current Class "A" Contractor's License issued by the State of California.

A-8. Award

The award shall be made to the lowest responsible bidder submitting the lowest responsive bid. The award of Contract will be made by the City Council. The Contractor shall execute the Contract within ten (10) days after he has received the Contract from the City.

The City reserves the right to waive any irregularity(ies) in the submitted proposals. No bid may be withdrawn for a period of sixty (60) days after the opening of bids.

A-9. Rejection of Bids

The City reserves the right to reject any and all bids. Any bid not conforming to the intent and purpose of the Contract documents may be rejected. Any bidder who does not possess the required licensing classification or the necessary qualifications and prior experience may be determined nonresponsive. The City reserves the right to make all awards in the best interest of the City.

A-10. Disqualification of Bidder

If there is a reason to believe that collusion exists among any bidders, none of the bids of the participants in such collusion will be considered, and the City may likewise elect to reject all bids received.

A-11. Relief of Bidder

Attention is directed to the provisions of Public Contracts Code section 5101 and following, concerning relief of bidders and in particular to the requirements therein that if the bidder claims a mistake was made in his bid, the bidder shall give the City written notice, within five (5) calendar days after the opening of bids of the alleged mistake, specifying in the notice, in detail (1) the nature of the claimed mistake, (2) how the mistake occurred, (3) a description of how the claimed mistake impacts the bidder, and (4) an explanation of any and all reasons why the bidder should be granted relief.

A-12. Prevailing Wages

Bidders are hereby notified that the California Department of Industrial Relations has determined the general prevailing rate of per diem wages and the rates for overtime and holiday work in the locality in which the work is to be performed for each craft, classification, or type of worker needed to execute the contract which will be awarded to the successful bidder. Copies of the prevailing wage rates are on file with and available upon request from the City Engineer. The requirement to pay these wage rates and rates not so specified is further detailed in Section 31 of the Agreement for Construction Services (Agreement). It shall be mandatory for the Contractor and any subcontractor under him to pay not less than the specified rates to laborers and workmen employed by them in the execution of the Contract.

A-13. Bonds

The successful bidder will be required to furnish, prior to the performance of any work hereunder, a payment bond in an amount equal to one hundred percent (100.0%) of the Contract price, and a faithful performance bond in an amount equal to one hundred percent (100.0%) of the Contract price. The bonds must be approved by the City. Each bond must be furnished by a company acceptable to the City, that is authorized and licensed by the Insurance Commissioner as an "admitted surety insurer" and which maintains at least one office in California for conducting business. Prior to such approval, the Surety shall provide the City with at least one of the following: (1) a print-out of information from the web-site of the Department of Insurance confirming the Surety is an admitted surety insurer and attaching it to the bond; or (2) a certificate from the Riverside County Clerk that the certificate of authority of the Surety has not been surrendered, revoked, cancelled, annulled or suspended and confirming that the Surety is an admitted surety and attaching the certificate to the bond. (See Cal. Code Civ. Proc. Code § 995.311).

Date: July 8, 2024 By: _____

Jason Farag, PE
Public Works Director

Section B.
Instruction to Bidders

B-1. Introduction

Each bid shall be in accordance with the Contract Documents. The Invitation to Bid will specify the method to obtain the Contract Documents and Plans.

B-2. Local Conditions

(a) The quantities of work or material stated in the unit price items of the Bidding Schedule are given only as a basis for the comparison of Bids, and the City does not represent or warrant that the actual amount of work or material will correspond therewith but reserves the right to increase or decrease the quantity of any unit price item of the work as may be deemed necessary or expedient by the City Engineer or designated representative.

The Bidder shall examine carefully the site of the work contemplated and the Contract Documents. The submission of a proposal shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality and quantities of work to be performed and the materials to be furnished, and as to the requirements of the Contract Documents.

Where the City Engineer has made investigations of surface and subsurface conditions in areas where work is to be performed under the Agreement, or in other areas, some of which may constitute possible local material sources, such investigations were made only for the purpose of study and design. Where such investigations have been made, bidders or Contractor may, upon written request, inspect the records of the City Engineer as to such investigations subject to and upon the conditions hereinafter set forth. Such inspection of records may be made at the office of the City Engineer. It is Bidder's responsibility to obtain the results of any surface or subsurface investigations and undertake any addition subsurface investigation Bidder deems necessary and warranted to be familiar with subsurface conditions within the project.

The records of such investigations are not a part of the Agreement and are made available for inspection solely for the convenience of the bidder or Contractor. It is expressly understood and agreed by bidder or Contractor that neither the City nor the City Engineer assumes any responsibility whatsoever with respect to the sufficiency or accuracy of the investigations thus made, the records thereof, or of the interpretation set forth therein or made by the City Engineer in its use thereof and there is no representation, warranty or guarantee, either express or implied, that the conditions indicated by such investigations or records thereof are correct or representative of those existing throughout such areas or any part thereof, or that unanticipated developments may not occur or that materials other than, or in proportions different from, those indicated may not be encountered.

When a log of test borings showing a record of the data obtained by the City Engineer's investigation of the subsurface conditions is included with the drawings, it is expressly understood and agreed by bidder that the log of test borings does not constitute a part of the Agreement, represents only the opinion of the City Engineer as to the character of the materials encountered in the test borings, is included with the plans only for the convenience of bidders and its use is

subject to all of the conditions and limitations set forth in this Section. Water levels that may be shown on a log of test borings are valid only for the stated date of observation. The water level may change from season to season and from year to year.

The availability or use of information described in this Section or the Technical Specifications is not to be construed in any way as a waiver of the provisions of this Section and a bidder or Contractor is cautioned to make such an investigation and examination as it deems necessary to satisfy itself as to conditions to be encountered in the performance of the work and, with respect to possible local material sources, the quality and quantity of material available from such property and the type and extent of processing that may be required in order to produce material conforming to the requirements of the Specifications.

No information derived from such inspection of records of investigations or compilations thereof made by the City Engineer or its assistants will in any way relieve the bidder or Contractor from any risk or from properly fulfilling the terms of the Agreement.

Information derived from inspection of topographic maps, or from Plans showing location of utilities and structures will not in any way relieve the Contractor from any risk, or from properly examining the site and making such additional investigations as it may elect, or from properly fulfilling all the terms of the Agreement.

While working on Cemetery property, Contractor will be required to use ground penetrating radar or other permitted non-destructive investigation methodology to ensure that any existing burial sites or graves are not disrupted. Contractor shall defend, indemnify and hold City harmless for any direct or consequential damage to any interred person(s) or grave sites.

Each bidder shall inform itself of, and the bidder awarded an Agreement, shall comply with, Federal, State and Local laws, relative to the execution of the work. This requirement includes, but is not limited to, applicable laws and regulations concerning employment of labor, protection of public and employee safety and health, environmental protection, the protection of natural resources, fire protection, burning and non-burning requirements, permits, fees, and similar subjects.

B-3. Form of Bid and Signature

(a) Bids shall be submitted only on the forms attached hereto and shall be enclosed in a sealed envelope and marked and addressed as hereinafter directed. The Bidder shall state in figures the unit prices or the specific sums as the case may be, for which it proposes to supply the labor, materials, supplies or machinery, and perform the work required by the Specifications. If the Bid is made by an individual, it shall be signed by the individual and the individual's full name and address shall be given; if it is made by a partnership, it shall be signed with the co partnership name by a member of the partnership, who shall also sign the member's own name, and the name and address of each member of such partnership shall be given; and, if it is made by a corporation, the name of the corporation shall be given and it shall be signed by its duly authorized officer or officers attested by the corporate seal, the name and titles of all officers of the corporation shall be given, and the address of the corporation and the state in which incorporated shall be stated.

Bids will be considered only from persons licensed as required under applicable provisions of the Contractors License Law (California Business and Professions Code section 7000, et seq.) and regulations adopted pursuant thereto; and each bidder shall insert his type of contractor's license, license number, and other requested information in the place provided in the bid. No oral, telephonic or electronic Bid or modification of a Bid will be considered.

B-4. Submission of Bids

(a) All Bids must be submitted not later than the time prescribed, at the place and in the manner set forth in the Invitation to Bid. Bids must be made on the prescribed Bid forms. A complete Bid requires submission of fully completed contract documents. Each Bid must be submitted in a sealed envelope addressed to the City Clerk and designated as a Bid bearing the name of the bidder and name of the project. The bidder is wholly responsible to see that its Bid is submitted at the time and place named for the opening of bids.

Bids shall include all addenda or clarifications issued during the bidding period acknowledged by the bidder's signature thereon. Failure to so include or acknowledge an addendum or clarification will result in the Bid being rejected as not responsive.

Bids shall be opened at the time and place as specified in the Invitation to Bid, unless changed by addendum.

B-5. Preparation of Bid

Blank spaces in the Bid shall be properly completed. The phraseology of the Bid must not be changed, and no additions shall be made to the items mentioned therein. Unauthorized conditions, limitations or provisions attached to a Bid will render it unresponsive and will cause its rejection. If erasures, interlineations, or other changes appear on the form, each erasure, interlineation or change must be initialed by the person signing the Bid. Alternative bids will not be considered unless specifically provided for in the Bidding Schedule. No Bid received after the time fixed, or received at any place other than the place stated in the Invitation to Bid will be considered. All bids will be opened and read publicly. Bids will be opened and tabulated immediately after the time bids are due in the City Council Chambers located at 23873 Clinton Keith Rd., Suite 106, Wildomar, California, 92595.

Where bonds are required, the bidder shall name in its Bid the surety or sureties who have agreed to furnish said bonds.

B-6. Bid Security

(a) All Bids shall be accompanied by a Bid Security. Such Bid Security shall include cash, cashier's check made payable to the City of Wildomar, or a Bid Bond executed by an admitted surety insurer. The Bid Security must be enclosed in the same envelope with the Bid. The amount of the Bid Security shall be not less than ten percent (10%) of the total amount of the Bid.

The Attorney-in-Fact (resident agent) who executes the Bid Bond on behalf of the surety company must attach a copy of his Power of Attorney as evidence of his authority. A notary shall acknowledge the power as of the date of execution of the surety bond which it covers.

Bid Bonds must be provided on the Bid Bond form set forth in Part II, Section D, Bidders Bond. The Bid Bond must be furnished by a company, acceptable to the City, that is authorized and licensed by the Insurance Commissioner as an "admitted surety insurer" and that maintains at least one office in California for conducting business.

B-7. List of Subcontractors

(a) Each bidder shall set forth in his Bid on the form provided the following information in accordance with the provisions of Public Contract Code sections 4100-4113:

(1) The name and the location of the place of business of each Subcontractor who will perform work or labor or render service to the prime Contractor in or about the construction of the work or improvement, or a Subcontractor licensed by the State of California who, under subcontract to the prime Contractor, specifically fabricates and installs a portion of the work or improvement according to the Contract Documents, in any amount in excess of one half of one percent (0.5%) of the prime Contractor's total Bid, or, in the case of bids or offers for the construction of streets or highways, including bridges, in excess of one-half of one percent (0.5%) of the Contractor's total bid or ten thousand dollars ($10,000), whichever is greater.

(2) The portion of the work which will be done by each such Subcontractor, only one Subcontractor shall be listed for each such portion of the work as defined in the Bid.

The bidder is considered the prime contractor and shall perform at least forty percent (40.0%) of the work, and must perform a greater percentage than the work performed by each of its Subcontractors. If the bidder fails to specify a Subcontractor for any portion of the work to be performed under the Contract pursuant to Section B-7(a) above, the bidder agrees to perform that portion of the work itself.

B-8. Interpretation of Contract Documents

Any explanation desired by the bidders regarding the meaning or interpretation of any of the Contract Documents must be requested in writing, with sufficient allowance of time for receipt of reply before the time set for opening of Bids. Any such explanations or interpretations will be made in the form of addenda to the documents and will be furnished to all bidders who shall submit all addenda with their Bids. Neither the City Engineer nor any representative of the City is authorized to give oral explanations or interpretations of Contract Documents, and a submission of a Bid constitutes agreement by the bidder that it has placed no reliance on any such oral explanation or interpretation. However, the City Engineer may, upon inquiry by bidder, orally direct the bidder's attention to specific provisions of the Contract Documents which cover the subject of the inquiry.

B-9. Modification of Bids

A bidder may modify their Bid by written communication provided such communication is received by the City prior to the closing time for receipt of Bids. The written communication should not

reveal the Bid price but should state the addition or subtraction or other modification so that the final prices or terms will not be known by the City until the sealed bid is opened.

B-10. Withdrawals of Bids

Bids may be withdrawn without prejudice by written, telegraphic or electronic request received from bidder prior to the time for opening of Bids. Bids so withdrawn will be returned to bidders unopened when reached in the process of opening Bids. No bid may be withdrawn after the hour affixed for opening Bids without rendering the accompanying Bid Security subject to retention as liquidated damages in like manner as in the case of failure to execute the Agreement after award, as in the Contract Documents herein provided. Negligence on the part of the bidder preparing his bid shall not constitute a right to withdraw the Bid subsequent to the opening of Bids. The bonds must be approved by the City. Prior to such approval, the Surety shall provide the documentation required by California Code of Civil Procedure section 995.660.

B-11. Discrepancies

In the case of discrepancy between unit prices and totals, unit prices will prevail. In case of discrepancy between words and figures, words will prevail.

B-12. Servicing and Maintenance

Each bidder must, if requested, furnish evidence that there is an efficient service organization which regularly carries a stock of repair parts for the proposed equipment to be furnished and installed in the work and that the organization is conveniently located for prompt service.

B-13. Disqualification of Bidders

(a) More than one Bid from an individual, firm, partnership, or corporation under the same or different names will not be considered. Reasonable grounds for believing that any individual, firm, partnership, or corporation is interested in more than one Bid for the work contemplated may cause the rejection of all Bids in which the individual, firm, partnership or corporation is interested. If there is reason for believing that collusion exists among the bidders, any or all Bids may be rejected. Bids in which the price is obviously unbalanced may be rejected.

All bidders are put on notice that any collusive agreement fixing the prices to be bid so as to control or affect the awarding of this Contract is in violation of the competitive bidding requirements of the Public Contract Code and may render void any Contract let under such circumstances.

B-14. Award of Contract (Agreement)

The City reserves the right to accept or reject any and all Bids for a period of sixty (60) days after the date of opening, and to waive any informality or irregularity in any Bid. No Bid can be withdrawn during that period.

The City reserves the right to reject any or all Bids, including, without limitation, the right to reject any non-conforming, non-responsive, unbalanced, or conditional bids.

Before a Bid is considered for award, the City may, in addition to the Experience Qualifications form set forth in Part II, Section F, below, require a bidder to submit a statement of facts and detail as to his business, technical organization and financial resources and equipment available and to be used in performing the work. Additionally, the City may require evidence that the bidder has performed other work of comparable magnitude and type. The City expressly reserves the right to reject any Bid if it determines that the business and technical organization, equipment, financial and other resources or other experience of the bidder (including the bidder's Subcontractors) is not sufficiently qualified for the work bid upon and, therefore, justifies such rejection.

The award of the Contract, if it is awarded, will be to the responsible bidder submitting the lowest responsive bid.

The issuance by the City of a notice to the successful bidder of the award of the Contract ("Notice of Award") shall be deemed the Award of Contract.

B-15. Contract Bonds

(a) The successful bidder shall furnish both a Performance Bond and a Payment Bond in the amounts specified in the forms attached hereto.

These Bonds shall be furnished in the forms enclosed following the Contract and shall be satisfactory to the City and shall be obtained from a responsible corporate surety (or sureties) acceptable to the City, which is licensed by the State of California to act as surety upon bonds and undertakings and which maintains in this State at least one office for the conduct of its business. The surety (or sureties) shall furnish reports as to its financial condition from time to time as requested by the City. The premiums for said Bonds shall be paid by the successful bidder.

These Bonds shall be furnished by companies who are authorized and licensed by the Insurance Commissioner as an "admitted surety insurer." The surety shall provide the City with the documentation required by Section 995.660 of the California Code of Civil Procedure.

If any surety becomes unacceptable to the City or fails to furnish reports as to its financial condition as requested by the City, the Contractor shall promptly furnish such additional security as may be required from time to time to protect the interests of the City and of persons supplying labor or materials in the prosecution of the work contemplated by this Contract.

In the event of any conflict between the terms of the Contract and the terms of the Bonds, the terms of the Contract shall control, and the Bonds shall be deemed to be amended thereby. Without limiting the foregoing, the City shall be entitled to exercise all rights granted to it by the Contract in the event of default, without control thereof by the surety, provided that the City gives the surety notice of such default at the time or before the exercise of any such right by the City, and, regardless of the terms of said Bonds, the exercise of any such right by the City shall in no manner affect the liability of the surety under said Bonds.

B-16. Substitution of Securities for Monies Withheld

Bidders are hereby notified that in accordance with the provisions of Public Contract Code section 22300, securities may be substituted for any monies which the City may withhold pursuant to the terms of the Contract to insure performance.

B-17. Execution of Contract

The successful bidder will be notified in writing by the City of the award of the Contract within sixty (60) days after opening of Bids. Accompanying the City's Notice of Award will be the Contract, in triplicate, which the successful bidder will be required to execute and return, together with the Performance and Payment Bonds, and the required certificates and policies of insurance together with the required endorsements thereto (or equivalent) for the Contractor and the workers' compensation certificate (see "Insurance" Section and Exhibit "B" of the Sample Contract Agreement found in Part III of these Bid Documents), to the City within ten (10) days following receipt of such Notice of Award. Failure to do so shall be just cause for annulment of the award and for forfeiture of the Bid Bond which shall be retained as liquidated damages, and it is agreed that the bond sum is a fair estimate of the amount of damages that the City will sustain by reason of such failure. The City will promptly determine whether such Contract, Bonds and insurance are as required by the Contract Documents, and upon such determination will forward a fully executed copy of the Contract. Signature by both parties constitutes execution of the Contract. In the event of failure of the lowest responsible bidder to sign and return the Contract with acceptable Bonds and insurance as prescribed herein, the City may award the Contract to the next lowest responsible bidder, and, in the event that bidder fails to sign and return the Contract with acceptable Bonds and insurance, the City may award the Contract to the then next lowest responsible bidder, etc. The successful bidder shall also submit within ten (10) working days from the Notice of Award all material specifications and other project submittals to the City.

B-18. Return of Bid Securities

All Bid Securities will be held until the Contract has been finally executed, after which all Bid Securities, other than any Securities which have been forfeited, will be returned to the respective bidders.

B-19. Power of Attorney

The Attorney-in-Fact (resident agent) who executes the Performance Bond and Payment Bond on behalf of the surety company must attach a copy of his Power of Attorney as evidence of his authority. A notary shall acknowledge the power as of the date of the execution of the surety bond which it covers.

B-20. Time of Completion

The time of completion of the work to be performed hereunder is the essence of this Contract. Delays and extensions of time may be allowed in accordance with the provisions of the Agreement for Construction Services. A Notice to Proceed (NTP) will be issued after full execution of the Contract. All work, including submittal processing and approvals and utility coordination work, shall be completed within **Two Hundred Forty (240)** days following the day that the written Notice

to Proceed (NTP) is issued from the City. **Working days shall include preconstruction activities such as utility coordination and submittal approval.** The Contractor shall pay to the City of Wildomar the sum of $3500 per day, for each and every calendar days delay in finishing the contract work in excess of the number of working days prescribed above.

B-21 Licensing Requirements for Contractors

All bidders, including general contractors and specialty contractors, shall hold such licenses as may be required by the laws of the State of California for the performance of the work specified in the Contract Documents.

B-22 Prevailing Wages

Copies of the prevailing rate of per diem wages shall be on file at the office of the City Clerk, 23873 Clinton Keith Road, Suite 201, Wildomar, California, 92595, as well as the local office of the State Department of Industrial Relations and will be made available to any interested party on request. Copies of the prevailing rate of per diem wages shall also be on file at each job site.

B-23 Escrow of Bid Documents

Upon award of the job to the successful bidder, and at the time of execution of this Contract, Contractor shall, if requested by the City, present all documentation used by the successful bidder in arriving at the bid upon which the Contract was awarded ("Bid Documentation") to the City Engineer's office. Such documentation shall be presented in a sealed envelope or box. If these documents are requested by the City, a Notice to Proceed will not be granted until City receives notice that such documentation has been received. This Bid Documentation shall include, but not be limited to any documents, pictures, or writings which relate to, arise out of, or constitute in any way notes, memoranda, phone logs, subcontractor and materialmen estimates, computations, or the like used by, complied by, or drafted by the successful bidder or its agents in arriving at its bid for the Project.

B-24 Preconstruction Conference

A preconstruction conference will be convened after the Contractor has delivered the necessary bonds, insurance certificates and signed agreement in proper form as required in the invitation to bid, bid proposal and general conditions of these specifications. Prior to any work, the Contractor shall provide the City Engineer with a list of key personnel assigned to the project and the telephone numbers where they may be reached at any time. The list shall be made available in sufficient copies and presented at the preconstruction conference.

Part II – Bidding Documents

Section A.
Bidder's Checklist

All items on the Bidder's Checklist must be initialed and dated for the Proposal to be considered complete. The City of Wildomar reserves the right to award a Contract in a manner and on the basis which will best serve the City, taking into consideration the information in the statement of bidder's Experience/Qualifications and past work history with the City.

The bidders' attention is especially drawn to the following Bid Proposal Forms which must be executed in full as required.

A-1. Bid Schedule and Bid Form

Bid Schedule

The unit prices bid must be shown in the space provided. The total bid price must be shown in the space provided.

Initial:_____ Date:_____

Bid Form

To be filled in and signed by the bidder.

Initial:_____ Date:_____

A-2. Bond Accompanying Bid

This bond is to be executed by the bidder and the surety company unless bid is accompanied by cash. The amount of this bond shall be not less than ten percent (10%) of the total amount bid and may be shown in dollars or on a percentage basis.

Initial:_____ Date:_____

A-3. Non-Collusion Affidavit

A Non-Collusion Affidavit must be filled out, signed, and submitted with the bid proposal for the bid documents to be considered complete.

Initial:_____ Date:_____

A-4. Experience/Qualifications

A statement of the Bidder's Experience/Qualifications must be filled out, signed, and submitted with the bid proposal for the bid documents to be considered complete.

Initial:_____ Date:_____

A-5. Designation of Subcontractors

A Designation of Subcontractors must be filled out and submitted with the bid proposal for the bid documents to be considered complete.

Initial:_____ Date:_____

A-6. Insurance Requirements

The Insurance Section and Exhibit B of the Agreement for Construction Services, for this project have been read and understood.

Initial:_____ Date:_____

A-7. Project Inspection

The bidder certifies that they have toured the project site, and are familiar with the work involved.

Initial:_____ Date:_____

A-8. Bond Requirements

The bidder understands that a performance bond issued by an approved surety equaling one hundred percent (100.0%) of the Contract amount will be required. A payment bond equaling one hundred percent (100.0%) of the Contract amount will also be required.

Initial:_____ Date:_____

A-9. Completion

The City makes no representations or guarantee as to the means or method of the manner of completing the work chosen by the bidder. It is the bidder's responsibility to plan and schedule the work in order to complete the work in the time specified.

Initial:_____ Date:_____

A-10. Addenda

The bidder acknowledges that they must sign and attach any applicable addenda to the bid proposal.

Initial:_____ Date:_____

Section B.
Bid Proposal Form

Proposal To: The Honorable Mayor and City Council

City of Wildomar

Wildomar, California

The undersigned bidder hereby proposes to furnish and deliver all necessary labor, tools, material, tax, transportation, services, equipment and other means of construction to perform the work required for the completion of the project entitled **PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY PERIMETER WALL, FENCING AND ADA IMPROVEMENTS, (CIP 028-2 & CIP 067-1)**, in accordance with the plans, specifications and other contract documents, together with all Addenda issued by the City of Wildomar prior to the opening of the bid proposals, if any, now on file at the office of the City Clerk located at 23873 Clinton Keith Road, Suite 110, Wildomar, California, 92595. The amount set forth on the Bid Schedule includes all labor, materials, transportation, and services necessary to complete said work, including State of California and local sales or use taxes, license or permit fees, if any.

Said bidder declares that it has read the accompanying Invitation to Bid and Instructions to Bidders, has carefully examined the location(s) of the proposed work, and has examined all contract documents, drawings and addenda issued by the City, and that it will contract with the City to construct and complete the project in satisfactory condition, has completed the Bidder's checklist and all other bid documents set forth in Part II, Sections B through G.

If awarded the Contract, the bidder expressly agrees to begin work not later than fifteen (15) calendar days after receiving the Notice to Commence Construction in writing by the City Engineer. The Bidder further agrees to complete all work required under the Contract within **Two Hundred and Forty (240) Working Days**, as that term is defined in Section 4 of the Agreement, upon the issuance of the Notice to Proceed, and to accept in full payment therefore the price indicated on the Bid Schedule. **Working days shall include preconstruction activities such as utility coordination and submittal approval.**

The bidder acknowledges it understands that a waiting period from time of bid opening until award may be sixty (60) days during which time the bid may not be withdrawn. The bidder further acknowledges that it has adjusted the bid price to include all possible items which may influence the proposal during the waiting period. Requests for bid price change due to the waiting period shall not be agreed to or compensable by the City.

As provided in the Bidder's Checklist, enclosed is a ( ) cash deposit, ( ) cashier's check, ( ) surety bid bond (check as appropriate) in an amount of not less than ten percent (10.0%) of the amount of the bid. If a bid bond was submitted, the name of the Surety is

_____ in an amount not less than ten percent (10%) of the amount bid. If the enclosure is a check or bond, it is made payable to the City of Wildomar.

The undersigned bidder agrees that the enclosed cash deposit, cashier's check, or surety bond accompanying this proposal, shall be left on deposit with the fund out of which the expenses of preparation and printing of the plans and specifications, estimates of cost, and publication of notice are paid. The undersigned bidder further agrees that this amount is the measure of the liquidated damages which the City will sustain by the default of the undersigned through failure to execute and deliver the above agreement and bonds within ten (10) days of written notice of the award of the contract to the undersigned and that the money or surety bond so deposited shall be collectible and become the property of the City in case of such default.

As required by the Public Contract Code section 4104, the subcontractors listed on the Designation of Subcontractors form constitute each subcontractor and the address and location of place of business of the mill, shop or office of each subcontractor who will perform work or labor or render service to the undersigned bidder in or about the construction of the work hereinabove described in excess of one-half of one percent (0.5%) of the total bid or, in the case of bids or offers for the construction of streets or highways, including bridges in excess of one half of one percent (0.5%) of the Contractor's total bid or ten thousand dollars ($10,000.00), whichever is greater, and the portion of said work which will be done by each subcontractor, if the contract for the said work is awarded to the undersigned.

All bidders shall complete all of the following:

Contractor's Name (Printed): _____

Bidders Signature: _____

Bidder's Name (Printed): _____

Bidders Title: _____

Address: _____

Phone Number: _____

Email Address: _____

Date: _____

Contractor's License Number: _____

Contractor's License Classification: _____

Contractor's License Exp. Date: _____

(NOTE TO BIDDERS: No bid shall be valid unless signed by the person making the bid. If the party is an individual, the same shall be signed by the individual; if the party is a partnership, the name of the partnership shall be given and signed by one of the partners; if the same is a corporation, the bid should be signed by the corporation by its properly authorized officer or officers.)

Section C.
Bid Schedule

The following quantities are approximate only and are given for the purpose of comparing proposals. The City does not expressly or by implication agree that the actual amount of work will correspond with quantities given herein but reserves the right to increase or decrease the amount of any class or portion of the work as may be deemed necessary or advisable by the Public Works Director and/or the City Engineer. Payment will be based upon the actual quantities installed or constructed, unless otherwise specified. In the event of any increases or decreases in the amount of the work including change orders for extracontractual work, the unit price numbers shall be used in the calculation of any payment increases/decreases.

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS CIP 028-2 & 067-1					
Item No.	**Description**	**Units**	**Est. Quantity**	**Unit Price**	**Total Price**
1	Mobilization, Demobilization, Bonds, Insurance, ID Signs, & Misc	LS	1		
2	Development of SWPPP& Implementation of BMPs (Risk Level 2)	LS	1		
3	Traffic Control System	LS	1		
4	Pre-Construction Cemetery GPR Subsurface Inspection	LS	1		
5	Construction Survey Including Monument Preservation	LS	1		
6	Clearing and Grubbing	LS	1		
7	Demolition & Removals	LS	1		
8	Adjust Water Meter Box to Grade (EVMWD)	EA	6		
9	Remove Existing 1" Water Meter and Install New Water Meter Service (EVMWD)	EA	3		
10	Adjust Water Valve Can to Grade (EMWD)	EA	4		
11	Adjust Water Valve Can to Grade (EVMWD)	EA	36		

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS CIP 028-2 & 067-1					
Item No.	**Description**	**Units**	**Est. Quantity**	**Unit Price**	**Total Price**
12	Adjust Fire Hydrant to Grade (EVMWD)	EA	2		
13	Relocate Fire Hydrant (EVMWD)	EA	2		
14	Remove, Relocate and Install 6" & 8" Air Vaccuum / Air Relief Assembly (EVMWD)	EA	2		
15	Remove, Relocate and Install 6" & 8" Blow Off Assembly (EVMWD)	EA	2		
16	Install New Pull Box and Extend Conductors / Conduit	LS	1		
17	Place and Compact Class II Aggregate Base	CY	10,600		
18	Place and Compact Decomposed Granite Trail	SF	4,800		
19	Install Pavement Reinforcement Fabric	SF	9,400		
20	Install Stormwater Membrane Filtration Device in Existing Drop Inlet Structure	EA	3		
21	Install Corrugated HDPE Pipe	LF	25		
22	Install Corrugated Steel Pipe Entrance Taper	EA	2		
23	Construct Multi-Use Trail Fence	LF (F)	780		
24	Construct Type A-6 PCC Curb and Gutter	LF	1,920		
25	Construct Type A-8 PCC Curb and Gutter	LF	650		
26	Construct Type 6 PCC Curb	LF	980		
27	Construct PCC Retaining Curb	LF	20		

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS CIP 028-2 & 067-1					
Item No.	**Description**	**Units**	**Est. Quantity**	**Unit Price**	**Total Price**
28	Install PCC Wheel Stop	EA	2		
29	Construct 8" Thick PCC Cross Gutter / Spandrel	SF	6,800		
30	Construct 8" Thick Modified PCC Commercial Driveway Apron	SF	7,600		
31	Construct 6" Thick Modified PCC Residential Driveway Apron	SF	820		
32	Construct PCC Parkway Drain	EA	1		
33	Construct 4" PCC Sidewalk	SF	8,500		
34	Construct PCC Curb Ramp	SF	8,300		
35	Construct 6" Thick PCC Pavement	SF	2,500		
36	Construct 6" Thick Decorative PCC Pavement	SF	1,150		
37	Construct 6" Thick PCC Bus Shelter Pad	SF	285		
38	Construct 8" Thick PCC Bus Turn Out	SF	2,950		
39	Construct 8" Thick PCC Bus Apron	SF	1,200		
40	Construct 4" Thick PCC Median to Match Existing	SF	110		
41	Install Slurry Seal	TN	1		
42	Cold Mill AC Pavement	SF	32,150		
43	Construct Type III-B2-PG64-10 HMA Concrete Base Course	TN	3,825		
44	Construct Type III-C3-PG64-16 HMA Concrete Surface Course	TN	185		

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS CIP 028-2 & 067-1					
Item No.	**Description**	**Units**	**Est. Quantity**	**Unit Price**	**Total Price**
45	Construct ARHM-GG-C Surface Course	TN	2,100		
46	Construct 4" Thick Decorative Asphalt Concrete Multi-Use Trail	SF	11,500		
47	Construct 4" Thick Decorative Asphalt Concrete Sidewalk	SF	6,230		
48	Construct 4" Thick Asphalt Concrete Sidewalk	SF	5080		
49	Construct AC Berm	LF	1,100		
50	Construct AC Dike	LF	500		
51	Remove and Reinstall Brick Pavers	SF	1,250		
52	Install Salvaged Mail Box	EA	1		
53	Install Post Office ADA Walkway, Curb, and Metal Handrailing	SF	450		
54	Install Decorative Automated Wrought Iron Gate (Gruwell), Complete and Operational	LS	1		
55	Install Decorative Automated Wrought Iron Gate (Palomar), Complete and Operational	LS	1		
56	Install Decorative Wrought Iron Swing Gate (Gruwell Pedestrian Access)	LS	1		
57	Install Decorative Wrought Iron Roll Gate (Gruwell Waste Enclosure Access)	LS	1		
58	Install 4 High Decorative Wrought Iron Fence to Match Existing	LF	18		
59	Install 4.5' High Decorative Wrought Iron Fence	LF	290		
60	Install 6.5' High Decorative Wrought Iron Fence	LF	15		
61	Install 4.0' High Chain Link Fence	LF	10		

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS CIP 028-2 & 067-1					
Item No.	**Description**	**Units**	**Est. Quantity**	**Unit Price**	**Total Price**
62	Install Split Rail Vinyl Fence to Match Existing	LF	60		
63	Install Cobble Rock	SF	200		
64	Install Class V Rock Slope Protection	CY	45		
65	Install 3/4 – Inch Fractured Rock	CY	125		
66	Construct Decorative Perimeter Wall	LF	530		
67	Traffic Striping, Pavement Markings, Markers, and Signage	LS	1		
68	Traffic Signal Modifications (Gruwell / Palomar Intersection)	LS	1		
69	Traffic Signal Modifications (Wildomar Trail / Palomar Intersection)	LS	1		
70	Install Cemetery Main Office Signage Assembly, Columbarium Plinth and Plaque, & Pet Station	LS	1		
71	Install Bench	EA	7		
72	Install Removable Bollard	EA	28		
73	Install Trash Receptacle	EA	5		
74	Install Irrigation System, Complete and Operational	LS	1		
75	Install 24” Box Tree	EA	19		
76	Install Shrubs, 5 Gallon	EA	90		
77	Install Shrubs, 2 Gallon	EA	105		
78	Install Shrubs, 1 Gallon	EA	500		

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS CIP 028-2 & 067-1					
Item No.	**Description**	**Units**	**Est. Quantity**	**Unit Price**	**Total Price**
79	Replace Landscape and Repair Irrigation to Match Existing	SF	12,350		
80	Apply Weed Fabric and Install Much (3" Thick)	CY	675		
81	Install Root Barrier	LF	845		
82	Landscaping, Irrigation, and Plant Establishment Period	LS	1		
83	Electrical Service at Cemetery	LS	1		
84	Landscaping and Irrigation at Commercial Center	LS	1		
			TOTAL BID PRICE		

ABBREVIATIONS					
CY	Cubic Yards	**EA**	Each	**LB**	Pounds
LF	Lineal Feet	**LS**	Lump Sum	**SF**	Square Feet
SY	Square Yards	**(F)**	Final Pay Quantity		

TOTAL BID PRICE IN WORDS:

_____

_____

NOTE: The award of contract will be made to the lowest responsible bidder submitting the lowest responsive bid. The lowest responsive bid shall be determined by the TOTAL BID PRICE, as calculated from Unit Prices.

Contractor's Name (Printed): _____

Bidders Signature: _____
(Same Signature as on Proposal)

Bidders Name (Printed): _____

Bidders Title: _____

Date: _____

Section D.
Bidder's Bond

We _____ as Principal, and _____ as Surety are bound unto the City of Wildomar, hereafter referred to as "Oblige", in the penal sum of ten percent (10%) of the total amount of the bid of the Principal submitted to the Oblige for the work described below, for the payment of which sum we bind ourselves, jointly and severally,

THE CONDITION OF THIS OBLIGATION IS SUCH, THAT:

WHEREAS, the Principal is submitting a bid to the Obligee, for _____

_____

(Copy here the exact description of work, including location, as it appears on the proposal)

for which bids are to be opened at _____

(Insert place where bids will be opened)

_____on_____

NOW, THEREFORE, if the Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the Oblige, one to guarantee faithful performance (if specified in the contract) of the contract and the other to guarantee payment for labor and materials as provided by law, then this obligation shall be null and void; otherwise, it shall remain in full force.

In the event a suit is brought upon this bond by the Oblige and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court.

Dated: _____, 2020

By_____ *By_____
Principal Surety

Business Address _____ Business Address _____

_____ _____

_____ _____

CERTIFICATE OF ACKNOWLEDGMENT

City of Wildomar

County of _____SS

On this _____ day of _____ in the year 2020 before me, a notary public in and for the county and state aforesaid, personally appeared _____
Attorney-in-Fact
known to me to be the person whose name is subscribed to the within instrument and known to me to be the Attorney-in-Fact of _____, and acknowledgment to me that he (she) subscribed the name of the said company thereto as surety, and his (her) own name as Attorney-in-Fact.

(SEAL) _____
Notary Public

***Note: The signature of the Surety must be done before a Notary Public and acknowledgements with appropriate seals attached hereto. Also the Surety must be authorized and licensed by the California Insurance Commissioner as an "admitted surety insurer."**

Section E.
Non-Collusion Affidavit

STATE OF CALIFORNIA)
)

COUNTY OF RIVERSIDE)

I, the undersigned, an authorized representative of _____, being first duly sworn, deposes and says that the forgoing bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the Contract of anyone interested in the proposed Contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Contractor's Name (Printed): _____

Bidders Signature: _____
(Same Signature as on Bid Proposal Form)

Bidder Name (Printed): _____

Bidders Title: _____

Date: _____

Subscribed and sworn to before me

this ____ day of _____, 2021.

_____
Signature of Notary Public

Section F.
Experience/Qualifications Statement

The bidder has been engaged in the contracting business under the present business name for _____ years. Experience in work of a nature similar to that covered in the proposal extends over a period of _____ years.

List all California construction or other professional license numbers, classifications and expiration dates held by your firm:

License Number	Classification	Expiration Date

List your firm's DIR Public Works Contractor (PWCR) Registration Number(s), PWCR Number Entity Name, and Expiration Date

PWCR Number	Entity Name	Expiration Date

If any of your firm's license(s) are held in the name of a corporation, limited liability company, or partnership, list below the names of the qualifying individual(s) listed on the CSLB records who meet(s) the experience and examination requirements for each license.

License Number	Qualifying Individual	Expiration Date

Experience/Qualifications Statement (continued)

The bidder, as a Contractor, has never failed to satisfactorily complete a Contract awarded to him, except as follows:

The following contracts are considered by Contractor to be comparable size and construction to the current and have been satisfactorily completed in the last five (5) years for the persons, firm or authority indicated, and to whom reference is made:

No.	Year	Type of Work	Owner/Agency for Whom Work was Performed	Original Awarded Contract Cost	Final Completed Contract Cost	Number of Contract Change Orders	
1						Agency	
						Contractor	
2						Agency	
						Contractor	
3						Agency	
						Contractor	
4						Agency	
						Contractor	
5						Agency	
						Contractor	

Experience/Qualifications Statement (continued)

Provide the details requested below for each of the projects listed in the table above. Names and references must be current and verifiable. Only list projects your firm performed as the general contractor. Use separate sheets of paper that contain all of the following information:

Project Name: _____

Location: _____

Owner: _____

Owner Contact (name, email, and current phone number): _____

Description of Project, Scope of Work Performed: _____

Total Value of Construction (including change orders): _____

Total Value of Construction Change Orders: _____

Date Construction Commenced: _____

Original Contractual Completion Deadline: _____

Adjusted Completion Deadline Based on Time Extensions Granted by Owner: _____

Actual Date of Completion: _____

General Contractor's Project Manager (lead contact in office), if applicable: _____

General Contractor's Superintendent (lead contact on project site), if applicable: _____

Experience/Qualifications Statement (continued)

The following is a list of plant and equipment owned by the bidder, which is definitely available for use on the proposed work as required. *The bidder may also provide this information as an attachment.*

Quantity	Equipment Name, Type and Capacity	Condition	Location

Contractor's Name (Printed): _____

Bidders Signature: _____

Bidders Name (Printed): _____
(Same Signature as on Bid Proposal Form)

Bidders Title: _____

Date: _____

Section G.
Designation of Subcontractors

In compliance with the provisions of Section 4100-4114 of the Public Contracts Code of the State of California, and any amendments thereof, each bidder shall set forth below the name and location of the mill, shop, or office of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work or improvement to be performed under these specifications in excess of one half of one percent (0.5%) of the prime Contractor's total bid or, in the case of bids or offers for the construction of streets or highways including bridges in excess of one half of one percent (0.5%) of the Contractor's total bid of ten thousand dollars ($10,000.00), whichever is greater. The prime Contractor shall list the portion of the work which will be done by such subcontractor.

If the Contractor fails to specify a subcontractor for any portion of the work to be performed under the Contract, he shall be deemed to have agreed to perform such portion himself, and he shall not be permitted to subcontract that portion of the work except under the conditions hereinafter set forth.

Subletting or subcontracting of any portion of the work as to which no subcontractor was designated in the original bid shall only be permitted in cases of public emergency or necessity, and then only after a finding reduced to writing as a public record of the awarding authority setting forth the facts constituting the emergency or necessity.

SUBCONTRACTOR				PORTION OF WORK	% OF TOTAL BID AMOUNT	PORTION OF TOTAL BID AMOUNT ($)
Name		**CSLB #**				
Location		**DIR #**				
Name		**CSLB #**				
Location		**DIR #**				
Name		**CSLB #**				
Location		**DIR #**				
Name		**CSLB #**				
Location		**DIR #**				

Part III – Agreement for Construction Services

PUBLIC WORKS CONTRACT

This contract ("**Contract**") is effective as of _____, and is between the CITY OF WILDOMAR, a California municipal corporation ("**Owner**"), and _____, a [State] [corporation/limited liability company/partnership, etc.] ("**Contractor**"), collectively referred to as the "**Parties**" and individually a "**Party**."

Recitals. This Contract is entered into with respect to the following facts:

Owner received Contractor's Proposal for the Work involved **[ENTER NAME OF PROJECT]** Project ("**Project**"), which is more fully described in the Contract Documents.

Contractor represents and warrants that it is fully qualified to perform all of the Work required to complete the Project.

Contractor agrees to perform all such Work in the time and manner set forth in the Contract Documents.

The City Council has awarded the Contract to Contractor.

Contract Documents. This Contract consists of the following documents ("**Contract Documents**"), all of which are made a part of this Contract:

Contractor's Proposal (for reference purposes only)

Notice to Proceed

This Contract

Verification of California Contractor's License

Contractor's Certificate Regarding Workers' Compensation

Security for payment (labor and materials)

Security for performance

Certificate(s) of Insurance

Bid Documents (including attached plans and drawings)

Other documents (list here)

Exhibit A – Compensation

Exhibit B – Insurance

The Work.

The Work ("**Work**") to be performed by Contractor is described in the Contract Documents.

In completing the Work, Contractor must employ, at a minimum, the applicable generally accepted professional standards of its industry in existence at the time of performance as utilized by persons engaging in similar Work.

Except as specifically provided in the Contract Documents, Contractor must furnish, at its sole expense, all of the labor, materials, tools, equipment, services and transportation necessary to perform all of the Work, including any incidental Work that is not expressly shown or described in the Contract Document but is required for the successful completion of the Work.

Contractor must perform all of the Work in strict accordance with the Contract Documents.

Time to Perform the Work.

Commencement Date will be on the date established in the Notice to Proceed. Owner reserves the right to modify or alter the Commencement Date of the Work.

Final Completion Date: Within 240 days of date of Notice to Proceed.

Time is of the essence with respect to Contractor's Work. Contractor agrees to diligently pursue performance of the Work within the time specified by the Contract Documents.

Contractor will be excused from any delay in performance or failure to perform due to causes beyond the control of Contractor and not reasonably anticipated by the parties. Such causes include, but are not limited to, acts of God, acts of terrorism, acts of federal, state or local governments, acts of Owner, court orders, fires, floods, epidemics, strikes, embargoes, and unusually severe weather.

If Contractor is delayed by any cause beyond Contractor's control, Owner may, but is not required to, grant a time extension for the completion of the Work. If delay occurs, Contractor must notify Owner in writing within 48 hours of the cause and identify the extent of the delay, how such delay interferes with Contractor's performance of the Work, and the impact of the delay on the Project's schedule's critical path through the submission of a "**Time Impact Evaluation**" (**TIE**).

TIE Format and Contents. Each TIE must include a written narrative and a schedule diagram depicting how the delay or other impact affects other schedule activities. The schedule diagram must show how Contractor proposes to incorporate and mitigate the delay or other impact in the schedule and how it impacts the current schedule update critical path or otherwise. Contractor is also responsible for establishing time extensions based on the TIE's impact on the critical path. The diagram must be tied to the main

sequence of scheduled activities to enable Owner to evaluate the impact of the delay, including any impacted Work activities, to the scheduled critical path.

Contractor is responsible for all costs associated with preparing TIE's, and the process of incorporating TIE's into the current schedule update.

Liquidated Damage Amounts.

As liquidated damages for delay Contractor must pay Owner $3,500 dollars ($3,500.00) for each calendar day that expires after the time specified for Contractor to achieve Final Completion of the entire Work, until achieved.

Scope of Liquidated Damages.

Contractor and Owner agree that because of the nature of the Project, it would be impractical or extremely difficult to fix the amount of such actual damages incurred by Owner because of a delay in completion of all or any part of the Work. Contractor and Owner agree that specified measures of liquidated damages will be presumed to be the amount of such damages actually sustained by Owner, and that because of the nature of the Project, it would be impracticable or extremely difficult to fix the actual damages.

Liquidated damages for delay will cover administrative, overhead, interest on bonds, and general loss of public use damages suffered by Owner as a result of delay. Liquidated damages will not cover the cost of completion of the Work, damages resulting from Defective Work, lost revenues or costs of substitute facilities, or damages suffered by others who then seek to recover their damages from Owner (for example, delay claims of other contractors, subcontractors, tenants, or other third-parties), and defense costs thereof. Owner may deduct from any money due or to become due to Contractor subsequent to time for completion of entire Work and extensions of time allowed pursuant to this Contract, a sum representing then-accrued liquidated damages.

Compensation and Payment.

Subject to any limitations provided in the Contract Documents, Owner agrees to pay Contractor, as full consideration for the faithful performance and successful completion of all Work under the Contract Documents, including all labor, materials, equipment furnished in connection therewith, the compensation set forth in Exhibit A ("**Compensation**"), which is made a part of this Contract.

Contractor must furnish to Owner a Pay Estimate for the Work performed in accordance with the Contract Documents. Contractor may not submit a Pay Estimate more often than once every 30 days.

Owner will review each Pay Estimate and determine whether the Work performed is in accordance with the Contract Documents. Owner may require Contractor to provide a release of all undisputed Contract amounts contained in the Pay Estimate.

If Owner disputes any item on a Pay Estimate, Owner will give Contractor notice stating the reasons for the dispute. The Parties will meet and confer in good faith to attempt to resolve the dispute.

In accord with Public Contract Code § 7201(b), City has determined this project is "substantially complex" and warrants a ten percent (10%) retention amount from all progress payments until all of the project work has been successfully completed and accepted by City.

Except as to any charges for the Work performed that Owner disputes and excluding the Owner's 10 percent retention on all approved progress payments, Owner will cause Contractor to be paid within 30 days of the date of the Pay Estimate or the date that Contractor furnishes Owner with a release of all undisputed Contract amounts, whichever occurs later. If the Project is paid for in whole or in part with federal funds, progress payments made to Contractor will not be subject to the ten-percent retention noted above.

In the event there is any claim specifically excluded by Contractor from the operation of any release, Owner may retain an amount not to exceed the amount of the excluded claim.

Labor Code and Prevailing Wage Requirements.

The contractor agrees to comply with the requirements of California Labor Code sections 1810 through 1815. Eight hours of labor constitutes a legal day's Work per Labor Code section 1810. Contractor will forfeit the statutory penalty to Owner for each Worker employed in the execution of this Contract by Contractor or any subcontractor for each calendar day during which such Worker is required or permitted to Work more than eight hours in any one calendar day and 40 hours in any one calendar week in violation of the provisions of Labor Code sections 1810 through 1815.

Copies of the determination of the Director of the Department of Industrial Relations of the prevailing rate of per diem wages for each craft, classification or type of Worker needed to execute this Contract are available for download from the State website: http://www.dir.ca.gov/OPRL/dprewagedetermination.htm.

Contractor must post at the Work site, or if there is no regular Work site then at its principal office, for the duration of the Contract, a copy of the determination by the Director of the Department of Industrial Relations of the specified prevailing rate of per diem wages. (Labor Code § 1773.2.) When applicable, copies of the prevailing rate of per diem wages will be on file at Owner's main office and available to Contractor and any other interested party upon request.

Contractor, and any subcontractor engaged by Contractor, must pay not less than the specified prevailing rate of per diem wages to all Workers employed in the execution of the contract. (Labor Code § 1774.) Contractor is responsible for compliance with Labor Code section 1776 relative to the retention and inspection of payroll records.

Contractor must comply with all provisions of Labor Code section 1775. Under Section 1775, Contractor will forfeit the statutory penalty to Owner for each Worker employed in the execution of the Contract by Contractor or any subcontractor for each calendar day, or portion thereof, in which the Worker is paid less than the prevailing rates. Contractor may also be liable to pay the difference between the prevailing wage rates and the amount paid to each Worker for each calendar day, or portion thereof, for which each Worker was paid less than the prevailing wage rate.

Nothing in this Contract prevents Contractor or any subcontractor from employing properly registered apprentices in the execution of the Contract. Contractor is responsible for compliance with Labor Code section 1777.5 for all apprenticeable occupations. This statute requires that contractors and subcontractors must submit contract award information to the applicable joint apprenticeship committee, must employ apprentices in apprenticeable occupations in a ratio of not less than one hour of apprentice's Work for every five hours of labor performed by a journeyman (unless an exception is granted under § 1777.5), must contribute to the fund or funds in each craft or trade or a like amount to the California Apprenticeship Council, and that contractors and subcontractors must not discriminate among otherwise qualified employees as apprentices solely on the ground of sex, race, religion, creed, national origin, ancestry or color. Only apprentices defined in Labor Code section 3077, who are in training under apprenticeship standards and who have written apprentice contracts, may be employed on public Works in apprenticeable occupations.

Contractor has reviewed and agrees to comply with any applicable provisions for any public Work subject to Department of Industrial Relations (DIR) Monitoring and Enforcement of prevailing wages, including the registration requirements of Labor Code Section 1771.1(a). Owner hereby notifies Contractor that Contractor is responsible for submitting certified payroll records directly to the State Compliance Monitoring Unit (CMU). For further information concerning compliance monitoring please visit the website location at: http://www.dir.ca.gov/dlse/cmu/cmu.html.

Contractor must comply with Labor Code section 1771.1(a), which provides that Contractor may award any contracts and subcontracts for Work that qualifies as a "public Work" only to subcontractors which are at that time registered and qualified to perform public Work pursuant to Labor Code Section 1725.5. Contractor must obtain proof of such registration from all such subcontractors. Where the prime contract is less than $15,000 for maintenance Work or less than $25,000 for construction, alternation, demolition or repair Work, such registration is not required.

In addition to submitting the certified payrolls and related documentation to the City, the contractor and all subcontractors are required to submit certified payroll and related documents electronically to the California Department of Industrial Relations (DIR). Failure to submit payrolls to the DIR when mandated by the Project parameters will also result in the withholding of progress, retention and final payment. Certified payroll information for this project must be submitted electronically through LCPtracker. No hard copy payrolls will be accepted.

No contractor or subcontractor may be listed on a bid proposal for a public Works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

Non-Discrimination. Contractor, its officers, agents, employees, and subcontractors may not discriminate in the employment of persons to perform the Work in violation of any federal or state law prohibiting discrimination in employment, including based on the race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, of any person, except as provided under California Government Code section 12940. Contractor is responsible for compliance with this section, and must include these non-discrimination provisions in all subcontracts for performance of the Work.

General Legal Compliance.

In performing the Work, Contractor must comply with all applicable federal, state, and local statutes, laws, regulations, and ordinances including, but not limited to, OSHA requirements.

Contractor must, at Contractor's sole expense, obtain all necessary permits and licenses required for the Work, and give all necessary notices and pay all fees and taxes required by law.

Contractor must maintain a valid California Contractor's License throughout the term of this Contract.

Clayton and Cartwright Act Assignments. In entering into this Contract or a contract with a subcontractor to supply goods, services, or materials pursuant to this Contract for the Project, Contractor and any subcontractor will be deemed to have offered and agreed to assign to Owner all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2, commencing with Section 16700 of Part 2 of Division 7 of the California Business and Professions Code), arising from purchases of goods, services, or materials for the Project. This assignment will be deemed made and will become effective at the time Owner tenders final payment to Contractor, without further acknowledgement by the Parties.

Independent Contractor. Contractor is and will at all times remain as to Owner a wholly independent contractor. Neither Owner nor any of its officers, employees, or agents will have control over the conduct of Contractor or any of Contractor's officers, employees, agents or subcontractors, except as expressly set forth in the Contract Documents. Contractor may not at any time or in any manner represent that it or any of its officers, employees, agents, or subcontractors are in any manner officers, employees, agents or subcontractors of Owner.

Indemnification. Contractor agrees to the fullest extent permitted by law (including, without limitation, California Civil Code section 2782) to (1) immediately defend, (2) indemnify, and (3) hold harmless Owner and its officers, directors, employees, agents, contractors, consultants, and other parties Working on Owner's behalf (collectively, "**Owner indemnified parties**") from

and against, any and all claims and liabilities, regardless of the nature or type, that directly or indirectly arise out of, pertain to, or relate to performance of the Work under this Contract by Contractor, or its officers, employees, agents, or subcontractors committed in performing any Work under this Contract or the failure to comply with any of the obligations of this Contract, resulting from any cause whatsoever except for the sole negligence, active negligence, of willful misconduct of Owner (collectively, "**Claims**"). The Claims subject to Contractor's duties to defend and indemnify include, without limitation, all claims, actions, causes of action, proceedings, suits, losses, damages, penalties, fines, judgments, liens, levies, and associated investigation and administrative expenses. Such Claims also include defense costs, including reasonable attorneys' fees and disbursements, expert fees, court costs, and costs of alternative dispute resolution.

Contractor's duty to defend is a separate and distinct obligation from Contractor's duty to indemnify. Contractor is obligated to defend Owner in all legal, equitable, administrative, or special proceedings, with counsel approved by Owner, immediately upon tender to Contractor of the Claim in any form or at any stage of an action or proceeding, whether or not liability is established. An allegation or determination that persons other than Contractor are responsible for the Claim does not relieve Contractor from its separate and distinct obligation to defend under this section. The obligation to defend extends through final judgment, including exhaustion of any appeals. The defense obligation includes an obligation to provide independent defense counsel if Contractor asserts that liability is caused in whole or in part by the negligence or willful misconduct of any Owner indemnified party. If it is finally adjudicated that liability was caused by the sole negligence, active negligence, or willful misconduct of any Owner indemnified party, then Contractor may submit a claim to Owner for reimbursement of reasonable attorneys' fees and defense costs in proportion to the established comparative liability of the Owner indemnified party.

Contractor agrees that its defense and indemnification obligation under this section, includes the reasonable costs of attorneys' fees incurred by the Owner's legal counsel to monitor and consult with Contractor regarding the defense of any Claims, including providing direction with regard to strategy, preparation of pleadings, settlement discussions, and attendance at court hearings, mediations, or other litigation related appearances. Owner will use its best efforts to avoid duplicative attorney Work or appearances in order to keep defense costs to a reasonable minimum.

Contractor agrees that settlement of any Claim will require the consent of Owner. Owner agrees that its consent will not be unreasonably withheld provided that Contractor is financially able (based on demonstrated assets) to fulfill its obligation to indemnify Owner for the costs of any such settlement as required under this Contract.

Contractor's obligation to indemnify Owner applies unless it is finally adjudicated that the liability was caused by the sole, negligence, active negligence, or willful misconduct of a Owner indemnified party. If a Claim is finally adjudicated and a determination made that liability was caused by the sole negligence, active negligence, or willful misconduct of an Owner indemnified party, then Contractor's indemnification obligation will be reduced in proportion to the established comparative liability.

For the purposes of this section, "Owner" includes the City of Wildomar's officers, officials, board members, employees and agents.

The provisions of this section will survive the expiration or earlier termination of this Contract.

Insurance. Contractor agrees to have and maintain in full force and effect during the term of this Contract the insurance coverages listed in Exhibit B ("**Insurance**"), which is made a part of this Contract.

Notice.

All written notices required or permitted to be given under this Contract will be deemed made when received by the other Party at its respective address as follows:

To Owner: City of Wildomar
23873 Clinton Keith Road, Suite 210
Wildomar, CA 92595
Attention: _____
Phone: (951) 677-7751 ext. ___
Fax: (951) 698-1463
Email: _____@cityofwildomar.org

To Contractor: **[NAME]**
[ADDRESS]
[CONTRACTOR REPRESENTATIVE]
[PHONE / FAX NUMBERS]
[EMAIL]

Notice will be deemed effective on the date personally delivered or transmitted by facsimile, or such other electronic means as may be agreed to by the parties. If the notice is mailed, notice will be deemed given three days after deposit of the same in the custody of the United States Postal Service, postage prepaid, for first class delivery, or upon delivery if using a major courier service with tracking capabilities.

Any Party may change its notice information by giving notice to the other Party in compliance with this section, before the change in notice information becomes effective.

Owner Rights of Termination and to Complete the Work.

Termination for Cause (Default). The occurrence of any of the following is a default by Contractor under this Contract:

The contractor refuses or fails to prosecute the Work or any part thereof with such diligence as will ensure its completion within the time specified or any permitted extension.

Contractor fails to complete the Work on time.

Contractor is adjudged bankrupt, or makes a general assignment for the benefit of creditors, or a receiver is appointed on account of Contractor's insolvency.

Contractor fails to supply enough properly skilled Workers or proper materials to complete the Work in the time specified.

Contractor fails to make prompt payment to any subcontractor or for material or labor.

Contractor fails to abide by any applicable laws, ordinances or instructions of Owner in performing the Work.

Contractor breaches or fails to perform any obligation or duty under the Contract and such breach or failure remains uncorrected following Owner's notice to Contractor of the breach.

Upon the occurrence of a default by Contractor, Owner will serve a written notice of default on Contractor specifying the nature of the default and the steps needed to correct the default. Unless Contractor cures the default within 10 days after the service of such notice of default, or makes satisfactory arrangements acceptable to Owner for the correction or elimination of such default, as determined by Owner, Owner may thereafter terminate this Contract by serving written notice termination on Contractor. In such case, Contractor will not be entitled to receive any further payment, except for Work actually completed prior to such termination in accordance with the provisions of the Contract Documents.

In event of any such termination, Owner will also immediately serve written notice of the termination upon Contractor's surety. The surety will have the right to take over and perform pursuant to this Contract; provided, however, that if the surety does not give Owner written notice of its intention to take over and perform this Contract within five days after service of the notice of termination or does not commence performance within 10 days from the date of such notice, Owner may take over the Work and prosecute the same to completion by separate contract or by any other method Owner may deem advisable, at the sole cost and expense of Contractor. Contractor and the surety will be liable to Owner for any and all excess costs or other damages incurred by Owner in completing the Work.

If Owner takes over the Work as provided in this Section, Owner may, without liability for so doing, take possession of, and utilize in completing the Work, such materials, appliances, plant, and other property belonging to Contractor as may be on the site of the Work and necessary for the completion of the Work.

If Owner takes over the Work, Owner may also take possession of outstanding materials on order for the completion of the project, upon payment to the vendor. All excess costs incurred by Owner in obtaining such materials, will be the responsibility of the Contractor.

Termination for Convenience. Owner may terminate performance of the Work under the Contract in accordance with this clause in whole, or from time to time in part, if Owner determines that termination is in Owner's best interest. Termination will be effected by Owner delivering to Contractor notice of termination specifying the extent to which performance of the Work under the Contract is terminated, and the effective date of the termination.

Contractor must comply with Owner's direction regarding the effective date of the termination, the extent of the termination, and must stop Work on the date and to the extent specified.

Contractor will be entitled to a total payment on account of the Contract Work so terminated, measured by (i.) the actual cost to Contractor for Work actually performed, up to the date of the termination, with profit and overhead limited to twelve percent (12%) of actual cost of Work performed, and (ii.) offset by payments made and other Contract credits. In connection with any such calculation; provided, however, Owner retains all rights and remedies under the Contract including, without limitation, claims, indemnities, setoffs/offsets, or back charges.

Under no circumstances may Contractor recover legal costs of any nature, nor may Contractor recover costs incurred after the date of the termination.

Project Documents. All product/material data sheets, shop drawings, submittals, submittal logs, samples, invoices, purchase orders, operation and maintenance manuals and instructions, RFIs, RFI logs, maps, models, notes, photographs, reports, studies and other documents (collectively, "**Project Documents**") prepared, developed or discovered by Contractor in the course of performing any of the Work under this Contract will become the sole property of Owner. Upon the expiration or termination of this Contract, Contractor must turn over all original Project Documents to Owner in its possession, but may retain copies of any of the Project Documents it may desire.

Change Orders and Claims

The Public Contract Code including, without limitation, Section 7105(d)(2), and Government Code section 930.2 and following, apply to all procedures for changes, time extensions, change orders (time or compensation) and claims.

Any change, waiver, or omission to implement the contract change order and claim procedures will have no legal effect unless expressly permitted in a fully executed change order approved by Contractor and Owner.

Resolution of Construction Claims (PCC § 20104 and following)

Public Contract Code section 20104 and following, specifies required provisions on resolving contract claims less than $375,000, which are set forth below, and constitute a part of this Contract.

For the purposes of this section, “claim” means a separate demand by Contractor of $375,000 or less for (1) a time extension, (2) payment or money or damages arising from Work done by or on behalf of Contractor arising under the Contract Documents and payment of which is not otherwise expressly provided for or the Contractor is not otherwise entitled to, or (3) an amount the payment of which is disputed by Owner. In order to qualify as a claim, the written demand must state that it is a claim submitted under Section 17 of the Contract and be submitted in compliance with all requirements of this Section. Separate Contractor claims that together total more than $375,000 do not qualify as a “separate demand of $375,000 or less,” as referenced above, and are not subject to this Section.

A voucher, invoice, payment application, or other routine or authorized form of request for payment is not a claim for purposes of this section. If such request is disputed as to liability or amount, then the disputed portion of the submission may be converted to a claim under this section by submitting a separate claim in compliance with Contract Documents claim submission requirements.

This section does not apply to tort claims, and nothing in this section is intended nor may it be construed to change the time periods for filing tort claims or actions specified by Chapter 1 and Chapter 2 of Part 3 of Division 3.6 of Title 1 of the Government Code.

Claims Procedure under Public Contract Code § 20104 and following:

The claim must be in writing, submitted in compliance with all requirements of the Contract including, without limitation, the time prescribed by and including the documents necessary to substantiate the claim. Claims must be filed on or before the day of final payment. Nothing in this section is intended to extend the time limit or supersede notice requirements for the filing of claims under the Contract.

For claims of fifty thousand dollars ($50,000) or less, Owner will respond in writing within 45 days of receipt of the claim, or Owner may request in writing within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to any defenses or claims Owner may have against Contractor. If additional information is thereafter required, it must be requested and provided in accordance with this section upon mutual agreement of Owner and Contractor. Owner’s written response to the claim, as further documented, must be submitted to Contractor within 15 days after receipt of further documentation or within a period of time no greater than taken by Contractor in producing the additional information, whichever is greater.

For claims over Fifty Thousand Dollars ($50,000) and less than or equal to $375,000: Owner will respond in writing within 60 days of receipt of the claim, or Owner may request in writing within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to any defenses or claims Owner may have against Contractor. If additional information is thereafter required, it must be requested and provided in accordance with this section, upon mutual agreement of Owner and Contractor; Owner’s written response to the claim, as further documented, must be submitted to Contractor within 30 days after receipt of further documentation or within a

period of time no greater than taken by Contractor in producing the additional information, whichever is greater.

Meet and Confer: If Contractor disputes Owner's written response, or Owner fails to respond within the time prescribed above, Contractor must notify Owner, in writing, either within 15 days of receipt of Owner's response or within 15 days of Owner's failure to timely respond, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon demand Owner will schedule a meet and confer conference within 30 days for settlement of the dispute. Following the meet and confer conference, if the claim or any portion remains in dispute, Contractor may file a claim as provided in Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For purposes of those provisions, the running of the period of time within which a claim must be filed will be tolled from the time Contractor submits its written claim as set forth in this section, until the time that claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer process.

Claims Process under Public Contract Code § 9204:

Upon receipt of a claim pursuant to this section, Owner must conduct a reasonable review of the and, within a period not to exceed 45 days, must provide the Contractor a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, Owner and Contractor may, by mutual agreement, extend the time period provided in this subsection.

The Contractor must furnish reasonable documentation to support the claim.

If Owner needs approval from its governing body to provide the Contractor a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, Owner will have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the Contractor a written statement identifying the disputed portion and the undisputed portion.

Any payment due on an undisputed portion of the claim will be processed and made within 60 days after Owner issues its written statement. If Owner fails to issue a written statement, subsection 17.6.3 above will apply.

If the Contractor disputes Owner's written response, or if Owner fails to respond to a claim issued pursuant to this section within the time prescribed, the Contractor may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, Owner will schedule a meet and confer conference within 30 days for settlement of the dispute.

Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, Owner must provide the Contractor a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim will be processed and made within 60 days after Owner issues its written statement. Any disputed portion of the claim, as identified by the Contractor in writing, will be submitted to nonbinding mediation, with Owner and the Contractor sharing the associated costs equally. Owner and Contractor must mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party will select a mediator and those mediators will select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party will bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute will be subject to applicable procedures outside this section.

For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized must conform to the timeframes in this section.

This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

Failure by Owner to respond to a claim from contractor within the time periods described in this section or to otherwise meet the time requirements of this section will result in the claim being deemed rejected in its entirety. A claim that is denied by reason of Owner's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, will not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the Contractor.

Amounts not paid in a timely manner as required by this section will bear interest at seven percent per annum.

If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against Owner because privity of contract does not exist, the contractor may present to Owner a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on its own behalf or on behalf of a lower tier subcontractor, that the Contractor present a claim for Work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to Owner must furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the Contractor must notify the subcontractor in writing as to whether the Contractor presented the claim to Owner and, if the Contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

General Provisions.

Authority to Execute. Each Party represents and warrants that all necessary action has been taken by such Party to authorize the undersigned to execute this Contract and to bind it to the performance of its obligations.

Assignment. Contractor may not assign this Contract without the prior written consent of Owner, which consent may be withheld in Owner's sole discretion since the experience and qualifications of Contractor were material considerations for this Contract.

Third Party Beneficiaries. Contractor's subcontractor must agree to be bound to the terms of the Contract Documents to the extent of their scope of Work, including but not limited to, terms regarding indemnity and dispute resolution, and must agree that Owner is deemed an express third party beneficiary of their subcontracts. Nothing in this Contract, however, shall operate to confer such or similar rights or benefits on persons or entities not party to this Contract.

Binding Effect. This Contract is binding upon the heirs, executors, administrators, successors and permitted assigns of the Parties.

Integrated Contract. This Contract, including the Contract Documents, is the entire, complete, final and exclusive expression of the Parties with respect to the Work to be performed under this Contract and supersedes all other agreements or understandings, whether oral or written, between Contractor and Owner prior to the execution of this Contract.

Modification of Contract. No amendment to or modification of this Contract will be valid unless made in writing and approved by Contractor and by the Board of Directors of Owner or Owner Manager, as applicable. The Parties agree that this requirement for written modifications cannot be waived and that any attempted waiver will be void.

Audit/Inspection Of Records. Contractor shall maintain all documents and records prepared by or furnished to Contractor during the course of performing the Work for at least three (3) years following completion of the Work. Such records include, but are not limited to, correspondence, internal memoranda, calculations, books and accounts, accounting records and job cost reports/data documenting all labor, materials, equipment and Work furnished under this Contract, and invoices, payrolls, records and all other data related to matters covered by this Contract. Contractor shall permit Owner to audit, examine and make copies, excerpts and transcripts from any such records, and Contractor shall in no event dispose of, destroy, alter, or mutilate said books, records, accounts, and data in any matter whatsoever for three (3) years after Owner makes the final or last payment or within three (3) years after any pending issues and disputes between Owner and Contractor regarding this Contract Agreement are resolved, whichever is later.

Counterparts, Electronic Signatures. This Contract may be executed in several counterparts, each of which will be deemed an original, and all of which, when taken together, constitute one and the same instrument. This Contract and any amendments

will be considered executed when the signature of a party is delivered by electronic transmission. Such electronic signature will have the same effect as an original signature.

Waiver. Waiver by any Party of any term, condition, or covenant of this Contract will not constitute a waiver of any other term, condition, or covenant. Waiver by any Party of any breach of the provisions of this Contract will not constitute a waiver of any other provision, or a waiver of any subsequent breach or violation of any provision of this Contract. Acceptance by Owner of any Work performed by Contractor will not constitute a waiver of any of the provisions of this Contract.

Interpretation. This Contract will be interpreted, construed and governed according to the laws of the State of California. Each party has had the opportunity to review this Contract with legal counsel. The Contract will be construed simply, as a whole, and in accordance with its fair meaning. It will not be interpreted strictly for or against either party.

Severability. If any term, condition or covenant of this Contract is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Contract will not be affected and the Contract will be read and construed without the invalid, void or unenforceable provision.

Governing Law and Venue. This Contract shall be deemed to have been executed in the City where the Project is located. Enforcement of this Agreement shall be governed by the laws of the State where the Project is located, excluding its conflict of laws rules. In the event of litigation between the parties, venue in state trial courts will be in the County of Riverside.

The Parties have caused this Contract to be executed by their undersigned authorized agents as follows:

OWNER: CITY OF WILDOMAR

_____

Daniel York, City Manager

ATTEST:

_____

Janet Morales, City Clerk

APPROVED AS TO FORM

_____

Thomas D. Jex, City Attorney

CONTRACTOR: [NAME]
(If not an individual, two signatures are required)

_____
Name and Title

_____
Name and Title

EXHIBIT A

COMPENSATION

The total compensation under this Contract may not exceed:

The sum of _____.

EXHIBIT B

INSURANCE

B. **General Requirements**. Contractor must procure and maintain in full force and effect during the term of this Contract the following types of insurance with coverage limits complying, at a minimum, with the limits set forth below:

Type of Insurance	Per Occurrence Limits (combined single)
Commercial General Liability	$3,000,000
Business Automobile Liability	$1,000,000
Workers' Compensation	Statutory Requirements
Pollution Liability Insurance	As stated below

2. **Commercial General Liability Insurance.** Coverage shall be at least as broad as Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than $3,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.

Liability policies must be endorsed to name **Owner, its officials, employees and agents** as "**additional insureds**" under the insurance coverage.

Additional Insured

The Entity, its officers, officials, employees, and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations and automobiles owned, leased, hired, or borrowed by or on behalf of the Contractor. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance (at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10, CG 20 26, CG 20 33, or CG 20 38; and CG 20 37 forms if later revisions used).

Primary Insurance

For any claims related to this project, the Contractor's insurance coverage shall be primary insurance coverage at least as broad as ISO CG 20 01 04 13 as respects the Entity, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the Entity, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.

Coverage must be applicable to Owner for injury to employees of Contractor, subcontractors, agents or others performing any part of the Work required under this Contract. Each policy must be endorsed to provide a separate limit applicable to this Project.

The Commercial General Liability policy must not contain any endorsements limiting coverage beyond the basic policy coverage for any of the following:

1. Explosion, collapse or underground hazard (XCU);

2. Products and completed operation;

3. Public liability;

3. Pollution liability; or

4. Contractual liability.

3. **Business Auto Coverage.** This policy must be on ISO Business Auto Coverage Form CA 00 01 including symbol 1 (Any Auto) and Endorsement CA 0025, or equivalent forms approved in writing by Owner. Limits must not be less than $1,000,000 per accident, combined single limit, or if Contractor neither leases nor owns vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Contractor or Contractor's employees will use personal autos in any way on this Project, Contractor must provide evidence of personal auto liability coverage for each such person.

4. **Workers Compensation.** Contractor must have a State of California approved policy form providing the statutory benefits required by law with employer's liability limits of no less than $1,000,000 per accident for all covered losses, or Contractor must provide evidence of an approved self-insurance program.

5. **Pollution Liability Insurance.** Pollution/Environmental Impairment Liability Insurance must be written on a Contractor's Pollution Liability form or other form acceptable to Agency providing coverage for liability arising out of sudden, accidental and gradual pollution and remediation. The policy limit must be no less than $3,000,000 per claim and in the aggregate. All activities contemplated in this Contract must be specifically scheduled on the policy as "covered operations." The policy must provide coverage for the hauling of waste from the project site to the final disposal location, including non-owned disposal sites.

6. **Other Insurance; Revisions to Insurance.** Contractor may be required to obtain such other insurance coverage as may be required by applicable law or by Owner. Owner reserves the right at any time during the term of the Contract to change the amounts and types of insurance required by giving Contractor 60 days advance written notice of such change. If such change results in substantial additional cost to Contractor, Owner and Contractor may renegotiate Contractor's compensation.

7. **Acceptable Insurers.** All required insurance policies must be issued by an insurance company currently authorized by the California Insurance Commissioner to transact the business of insurance in the State of California, with an assigned policyholders' Rating of A- (or higher) and

Financial Size Category Class VII (or larger) in accordance with the latest edition of Best's Key Rating Guide, unless otherwise approved by the Owner's Risk Manager or General Counsel.

8. **Excess or Umbrella Liability Insurance (Over Primary).** If an excess or umbrella liability policy is used to meet limit requirements, the insurance must provide coverage at least as broad as specified for the underlying coverages. Any such coverage provided under an excess or umbrella liability policy must include a "drop-down provision" providing primary coverage above a maximum $25,000 self-insured retention for liability not covered by primary but covered by the umbrella. Coverage must be provided on a "pay-on-behalf" basis, with defense costs payable in addition to policy limits. There may be no cross-liability exclusion precluding coverage for claims or suits by one insured against another.

9. **Certificates of Insurance and Endorsements.** Prior to commencing any Work under this Contract, Contractor must file with the Owner Certificates of Insurance and Endorsements evidencing the existence of all insurance required by this Contract, along with such other evidence of insurance or copies of policies as may reasonably be required by Owner. Such Certificates of Insurance and Endorsements must be in a form approved by Owner's legal counsel. Contractor must maintain current certificates and endorsements on file with Owner during the term of this Contract reflecting the existence of all required insurance. Each of the certificates must expressly provide that no material change in the policy, or termination thereof, will be effective except upon 30 days' prior written notice to Owner.

10. **Failure to Maintain Required Insurance.** If Contractor, for any reason, fails to have in place at all times during the term of this Contract all of the required insurance coverage, Owner may obtain such coverage at Contractor's expense and deduct the cost from the sums due Contractor.

11. **Effect of Coverage.** The existence of the required insurance coverage under this Contract will not be deemed to satisfy or limit Contractor's indemnity obligations under this Contract.

12. **Higher Limits of Insurance.** If the contractor maintains broader coverage and/or higher limits than the minimums shown above for all policies, the Entity requires and shall be entitled to the broader coverage and/or higher limits maintained by the contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the Entity.

13. **Waiver of Subrogation.** Contractor hereby agrees to waive rights of subrogation which any insurer of Contractor may acquire from Contractor by virtue of the payment of any loss. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the Entity has received a waiver of subrogation endorsement from the insurer. However, the Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the Entity for all work performed by the Contractor, its employees, agents and subcontractors.

VERIFICATION OF CALIFORNIA

CONTRACTOR'S LICENSE

I certify, under penalty of perjury, that I have a valid California Contractor's license issued pursuant to Business and Professions Code section 7000 and following, and was so licensed at the time that the bid was awarded:

California Contractor's License:

_____

License Number Class Expiration Date

_____

CONTRACTOR (PRINT OR TYPE)

_____ _____

Date Signature

(Public Contract Code § 6100)

CERTIFICATE REGARDING

WORKERS' COMPENSATION

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this contract.

_____
Name (print or type)

_____ _____
Date Signature

PERFORMANCE BOND

On _____, the City of Wildomar, a California municipal corporation ("**OWNER**"), awarded a contract ("**Contract**") to _____ ("**CONTRACTOR**" or "**PRINCIPAL**"), for the Work ("**Work**") identified as _____

The Contract and related documents ("**Contract Documents**") are incorporated and made a part of this performance bond.

Under the Contract, CONTRACTOR is required to furnish this bond providing for the faithful performance of the Work

NOW, THEREFORE, we, CONTRACTOR, as PRINCIPAL, and _____, a corporation organized and existing under the laws of the State of _____ and duly authorized to transact business under the laws of the State of California, as SURETY, are held and firmly bound unto OWNER, in the sum of _____dollars ($_____), lawful money of the United States of America, this sum being not less than one hundred percent (100%) of the estimated amount payable by OWNER under the terms of the Contract , PRINCIPAL and SURETY, bind ourselves and our heirs, executors, administrators, successors and assigns, jointly and severally, by this instrument.

BOND CONDITIONS

1. PRINCIPAL will perform the Work the identified in the Contract. OWNER has estimated the required amount of the bond as shown above.

2. PRINCIPAL's performance of the Work will be done in accordance with the Contract Documents. Should PRINCIPAL fail to satisfactorily complete all required Work within the time allowed, OWNER may, at its sole discretion, either (1) cause all required Work to be done and the parties executing this bond will be firmly bound for the payment of all necessary costs for the performance of this Work or (2) make demand upon the SURETY to complete the required Work in which event the SURETY will commence completion of the Work within 30 days of the OWNER'S demand unless otherwise agreed in a writing signed by the parties.

3. PRINCIPAL will guarantee the Work against any defective Work, labor or materials for a period of one year following the completion and acceptance of the Work by OWNER.

4. This bond is conditioned upon and guarantees due compliance with all applicable law.

5. SURETY agrees that no changes, extensions of time, alteration or modification of the Contract or of the obligations to be performed thereunder will in any way affect its obligation on this bond, and waives notice of any such change, extension of time, alteration or modification of the Contract or of the obligations to be performed. Furthermore, SURETY expressly waives the provisions of California Civil Code sections 2845 and 2849.

6. This bond consists of this instrument, the Contract and Contract Documents referenced above, and the following two attached exhibits, all of which are incorporated herein by reference:

A. A certified copy of the appointment, power of attorney, bylaws or other instrument entitling or authorizing the persons executing this bond to do so; and

B. A certificate issued by the county clerk for the county in which SURETY's representative is located conforming with California Code of Civil Procedure § 995.640 and stating that SURETY's certificate of authority has not been surrendered, revoked, cancelled, annulled, or suspended, or in the event that it has, that renewed authority has been granted.

7. In case suit is brought upon this bond, the court will award and SURETY must pay, in addition to the face amount of this bond, all costs and reasonable attorney's fees incurred by OWNER in successfully enforcing any obligation under this bond.

IN WITNESS THEREOF, we have hereunto set our hands and seals this _____ day of _____, 20____.

PRINCIPAL

By _____

Title _____

Address _____

_____

_____
Telephone Number

_____
Signature

SURETY

By _____

Title _____

Address _____

_____

_____
Telephone Number

_____
Signature

* **ALL SIGNATURES ON THIS PERFORMANCE BOND MUST BE NOTARIZED USING APPROPRIATE 8½" x 11" NOTARY ACKNOWLEDGEMENT FORM.**

** **Appropriate modifications will be made to this form if the bond is being furnished for the performance of an act not provided for by agreement.**

*** **Corporations must affix corporate seal.**

PAYMENT BOND

On _____, the City of Wildomar, a California municipal corporation ("**OWNER**"), awarded a contract ("**Contract**") to _____ ("**CONTRACTOR**" or "**PRINCIPAL**"), for the Work ("**Work**") identified as _____

PRINCIPAL is required to furnish a bond under the Contract to secure the payment of claims of laborers, mechanics, material persons, and other persons as provided by law.

PRINCIPAL and _____ _____, a corporation incorporated under the laws of the State of _____ and licensed by the State of California to execute bonds and undertakings as sole surety ("**SURETY**"), are held and firmly bound unto OWNER in the sum of _____ _____ dollars ($_____), lawful money of the United States, which may be increased or decreased by a rider hereto executed in the same manner as this bond, for the payment of which sum PRINCIPAL and SURETY bind themselves, their successors, and assigns, jointly and severally, by this instrument.

BOND CONDITIONS

1. PRINCIPAL will construct the Work identified in the Contract. Such performance will be in accordance with the Contract Documents identified in the Contract, which are hereby incorporated and made a part of this bond. OWNER has estimated the required amount of the bond as shown above.

2. If PRINCIPAL, its heirs, executors, administrators, successors, assigns or subcontractors fail to pay any of the persons named in California Civil Code section 3181, or any amounts due under the California Unemployment Insurance Code with respect to Work or labor performed under the Contract, or any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Contractor and its subcontractors under Unemployment Insurance Code section 13020, with respect to Work or labor performed under the Contract, SURETY will pay for the same in an amount not exceeding the penal sum specified in this bond.

3. This bond inures to the benefit of any of the persons named in Civil Code section 3181 so as to give a right of action to such persons or their assigns in any suit brought upon this bond. In case suit is successfully brought upon this bond, SURETY further agrees to pay all reasonable attorneys' fees and costs in an amount fixed by the court.

4. This bond is conditioned upon and guarantees due compliance with all applicable law.

5. SURETY agrees that no changes, extensions of time, alteration or modification of the Contract or of the obligations to be performed thereunder will in any way affect its obligation on this bond, and waives notice of any such change, extension of time, alteration or modification of

the Contract or of the obligations to be performed. Furthermore, SURETY expressly waives the provisions of California Civil Code sections 2845 and 2849.

6. This bond consists of this instrument, the Contract and Contract Documents referenced above, and the following two attached exhibits, all of which are incorporated herein by reference:

A. A certified copy of the appointment, power of attorney, bylaws or other instrument entitling or authorizing the persons executing this bond to do so; and

B. A certificate issued by the county clerk for the county in which SURETY's representative is located conforming with California Code of Civil Procedure § 995.640 and stating that SURETY's certificate of authority has not been surrendered, revoked, cancelled, annulled, or suspended, or in the event that it has, that renewed authority has been granted.

IN WITNESS THEREOF, we have hereunto set our hands and seals this _____ day of _____, 20____.

PRINCIPAL

By _____

Title _____

Address _____

_____

_____
Telephone Number

_____
Signature

SURETY

By _____

Title _____

Address _____

_____

_____
Telephone Number

_____
Signature

* **ALL SIGNATURES ON THIS PAYMENT BOND MUST BE NOTARIZED USING APPROPRIATE 8½" x 11" NOTARY ACKNOWLEDGEMENT FORM.**

** **Appropriate modifications will be made to this form if the bond is being furnished for the performance of an act not provided for by agreement.**

*** **Corporations must affix corporate seal.**

Part IV – Technical Specifications

CITY OF WILDOMAR
STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS

PALOMAR STREET WIDENING, PHASE 2, PROJECT AND WILDOMAR CEMETERY PERIMETER WALL, FENCING, AND ADA IMPROVEMENTS
CIP 028-2 & CIP 067-1

All work shall be performed in accordance with these Standard Specifications and Special Provisions which consist of the following:

- **A. 2024 Edition of the Standard Specification for Public Works Construction, Parts 1 - 8 (Greenbook) and its supplements.**
- **B. Greenbook additions and modifications as indicated below**
- **C. Bid Item Special Provisions**

The following are additions or revisions to the Greenbook Sections. If there are no additions or revisions noted for a specific Section, the Greenbook as written shall apply.

PART 1
GENERAL PROVISIONS

SECTION 1 – GENERAL

Section 1-1 General

Section 1-2 Terms and Definitions

Add: Caltrans Standard Specifications – The 2023 State of California, California State Transportation Agency, Department of Transportation "Standard Specifications", inclusive of all current revisions, amendments, and standard special provisions, where applicable.

Section 1-3 Abbreviations

Section 1-4 Units of Measure

Section 1-5 Symbols

Section 1-6 Bidding and Submission of the Bid

Section 1-7 Award and Execution of the Contract

SECTION 2 – SCOPE OF THE WORK

Section 2-1 Work to Be Done

Section 2-2 Permits

Section 2-3 Right of Way

Section 2-4 Cooperation and Collateral Work

Section 2-5 The Contractor's Equipment and Facilities

2-5.1 General – Toilets to be provided shall have secondary containment in conformance with NPDES requirements.

2-5.4 Haul Routes – A Haul Route Permit from the City will be required unless waived by the Engineer. To protect City streets from deterioration due to hauling of materials the Contractor shall submit for approval a proposed haul route for materials and equipment to each job site five (5) working days prior to starting work. The Contractor shall adhere to the approved route only unless written permission is obtained from the Engineer. The travel route plans, which meet the City's requirements, will be approved and returned to the Contractor. Otherwise, further revisions are required until they are acceptable to the City. The Contractor shall submit one travel plan for each phase to the Engineer for

approval, and the approved travel plans shall be strictly adhered to by the Contractor during all phases of the construction.

Section 2-6 Changes Requested by the Contractor
Section 2-7 Changes Initiated by the Agency
Section 2-8 Extra Work
Section 2-9 Changed Conditions
Section 2-10 Disputed Work

SECTION 3 – CONTROL OF THE WORK

Section 3-1 Assignment
Section 3-2 Self-Performance
Section 3-3 Subcontractors
Section 3-4 Authority of the Board and the Engineer
Section 3-5 Inspection
Section 3-6 The Contractor's Representative
Section 3-7 Contract Documents

3-7.2 Item (f). The Special Provisions shall consist of the project Technical Specifications, including the General and Special Provisions

Section 3-8 Submittals

3-8.1 General – Submittals shall be made within 10 working days of the Notice of Award. The contractor shall allow 10 working days for initial review.

3-8.2 Working Drawings – Submittals shall be made by e-mail. If requested three hard copies shall be provided plus a reproduceable. One copy will be returned with comments or acceptance.

3-8.4 – Supporting Information – Submit by e-mail. If requested three hard copies shall be submitted.

Section 3-9 Subsurface Data
Section 3-10 Surveying

3-10.1 General – Unless otherwise stipulated in the Bid Items Special Provisions the contractor will perform and be responsible for any surveying required to perform the required work. The Contractor shall be responsible for establishing all lines, grades and layout for all construction. Payment for construction staking and surveys shall be as specified in the Bid Items Special Provisions and no additional payment will be made therefore.

Section 3-11 Contract Information Signs
Section 3-12 Work Site Maintenance

3-12.2 Air Pollution Control – Add:

Dust Control - The Contractor's attention is directed to Section 6, "Public Safety," of the Standard Construction Specifications. The Contractor shall be responsible for dust control within the project limits. The Contractor shall diligently control dust resulting from his operations and from public traffic passing through the work area by the application of water and/or dust palliative.

The Contractor shall provide dust control at all times including Saturdays, Sundays, and holidays as ordered by the Engineer. The Contractor shall immediately alleviate any dust hazard as directed by the Engineer.

3-12.3 Noise Control – Noise shall conform to the City of Wildomar noise ordinance.

3-12.6 Water Pollution Control – Add:

As part of the Contractor's Water Pollution Control Program, the Contractor shall submit a Water Pollution Control Drawing (WPCD)/Construction Runoff Management Plan

(CRMP) per Section 6.3 of the City's Jurisdictional Runoff Management Program (JRMP), for review and acceptance. The City's JRMP can be accessed on the City's website. The Contractor shall revise the WPCD/CRMP, as directed by the Engineer, and construction shall not begin until the WPCD/CRMP has been accepted by the Engineer. Unless otherwise stated in the Special Provisions, the WPCD/CRMP shall be prepared and signed/stamped by a Civil Engineer or a Qualified SWPPP Developer (QSD) licensed in the State of California. Staging or storage areas located within the City and used by the project shall also be included in the WPCP and BMPs shall also be required for those areas.

For projects which disturb one (1) or more acres of soil, the Contractor shall be responsible to obtain coverage under the State Water Resources Control Board's (Water Board) Construction General Permit Order 2009-0009-DWQ (Permit). The Contractor shall be responsible for all items required to obtain coverage under the Water Board's Permit including, but not limited to, preparing a Stormwater Pollution Prevention Plan (SWPPP), obtaining a Waste Discharge Identification (WDID) Number, and hiring a Qualified SWPPP Developer (QSD) and Practitioner (QSP). Prior to submittal of the SWPPP to the Water Board, the Contractor shall first submit the SWPPP to the Engineer for review and approval, at least five (5) working days before the pre-construction conference. In such cases, the SWPPP shall satisfy the requirement for a WPCD/CRMP. The Contractor shall be responsible for compliance with all Water Board's Permit requirements and shall be responsible for all reporting required by the Water Board's Permit including, but not limited to, Annual Reports and Notices of Termination.

The Contractor shall be responsible to implement all aspects of the WPCD/CRMP/SWPPP for the duration of the project and shall at all times have personnel on-site experienced and qualified in implementing the required stormwater pollution prevention Best Management Practices (BMPs). BMPs shall be properly installed in conformance with applicable standards and guidelines. BMPs shall be installed prior to the commencement of construction and shall remain in place throughout the entire duration of construction, except in circumstances in which the BMPs conflict with a construction activity and must be temporarily removed to allow construction to continue. However, if BMPs must be temporarily removed during a construction activity, the Contractor shall still be responsible to ensure that pollutant runoff from the construction activities does not occur and shall implement any other BMPs during the construction activity as necessary. Upon completion of the construction activity, BMPs shall be placed in their normal locations until the project is accepted by the Engineer. The Contractor shall maintain all BMPs in a functioning condition such that the BMPs perform as intended and designed. The Contractor shall be responsible to always maintain the BMPs, including times when there is no construction, and shall provide to the Engineer a 24-hour phone number where the Contractor can be reached in the event that a BMP failure occurs and requires immediate attention.

The Contractor and their QSP shall be responsible to always monitor the site and shall ensure that the required BMPs are implemented and maintained and that the site remains in compliance with the WPCD/CRMP/SWPPP and the General and Special Provisions. The QSP shall be responsible to also provide recommendations to the contractor for BMP implementation, maintenance, and upgrades. The Contractor shall promptly comply with recommendations and corrections issued by the QSP. The QSP shall. submit copies of their site inspection reports and corrections to the Engineer regularly, and prior to request for any payment for the Water Pollution Control Plan bid item.

The Contractor's work shall be subject to a regular program of inspection by the City as

specified in the City's JRMP to verify compliance with the City's Stormwater Drainage System Protection Ordinance (Wildomar Municipal Code Ch. 13.12). Any deficiencies and corrective actions identified in the compliance inspections shall be addressed by the contractor within 72 hours of receiving the notice or prior to any forecasted rain event (whichever is first). The City reserves the right to require modification to the WPCD/CRMP/SWPPP and to the site BMPs, as necessary, to ensure that the site remains compliant with City regulations. The cost for any new BMPs that are required as a result of ineffective BMPs shall be assumed to be included in the bid item for Water Pollution Control Plan and no additional compensation shall be allowed without the approval of the Engineer.

If the project is delayed for any reason, and unless the Contractor is notified otherwise by the Engineer, the Contractor shall continue to protect the project as specified in the Contractor's WPCD/CRMP/SWPPP and to the satisfaction of the Engineer and the Contractor shall be responsible for continued maintenance of BMPs at all times, even when construction is inactive, until a Notice of Completion for the project has been issued by the City.

In the event that the project is not completed due to the weather, the City Engineer will notify the Contractor to cease operations. After notification, the Contractor shall cease operations as indicated in the notification and winterize the project as specified in the Contractor's SWPPP and to the satisfaction of the City Engineer. When weather permits, the City Engineer will notify the Contractor to resume operations. After notification, the Contractor shall resume operations within ten (10) calendar days and diligently complete the Contract. The Contractor shall not make any claim nor receive compensation for anticipated profits, loss of profits, damages, or any extra payment due to the work stoppage ordered by the City Engineer due to inclement weather.

Inclement Weather Conditions - If the Contractor's work is suspended due to inclement weather for a period exceeding seven (7) calendar days, all sections of curb and gutter that have been removed shall be backfilled with aggregate base or asphalt concrete to match the existing gutter grade. Compaction shall be a minimum of ninety percent (90%), and shall be placed in such a manner as to minimize the amount of standing water in the removed gutter sections and thereby reducing water infiltration into the road base. Driveway areas shall also be covered with trench plating. Drop inlets downstream of curb and gutter areas that have been backfilled with aggregate base or asphalt concrete shall be protected as specified in the Contractor's WPCP. Upon resumption of work, the excess compacted aggregate base or asphalt concrete shall be removed with the remaining aggregate base recompacted and tested prior to curb and gutter installation.

Section 3-13 Completion, Acceptance, and Warranty

SECTION 4 – CONTROL OF MATERIALS

Section 4-1 General

Section 4-2 Protection

Section 4-3 Inspection

4-3.1 General – Source inspection is not required for asphalt concrete pavement mixtures or structural concrete unless required by the Bid Item Special Provisions. A Certificate of Compliance will be required.

Section 4-4 Testing

Section 4-5 Certificate of Compliance

A Certificate of Compliance is required for all materials approved by the submittal process

unless waived by the Engineer.

Section 4-6 Trade Names

Section 4-7 Weighing Equipment

Section 4-8 Calibration of Testing Equipment

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

Section 5-1 Laws and Regulations

Section 5-2 Special Notices

Add the following to this Section:

Unless waiver by the Engineer, the Contractor shall be required to notify and cooperate with the public, transit companies, local law enforcement agencies, local fire districts, local utilities companies, refuse collectors, schools, medical facilities and any other persons or agencies who may be affected by the project. Notifications shall be in writing and delivered at least two (2) weeks prior to construction.

Notifications shall include, but not be limited to, the following items:

B. General information
C. Construction Schedule
D. Contact Person and Phone Number
E. Traffic delays and alternate routes
F. Tree removals and/or trimming
G. Driveway closures (if multiple closures are required at separate dates, multiple notices will be required)
H. Water service interruptions
I. Temporary relocation of bus stops
J. Adjustment of utilities
K. Waste pick-up

Specific notification requirements to adjacent properties and businesses will be addressed in the Special Provisions.

If construction operations have been postponed or cancelled with no work in the proposed area for more than seven (7) calendar days, or multiple notices are required the Contractor shall re-notify the affected residents and businesses a minimum of two (2) working days prior to the start of the work.

Failure to comply with the notification requirement will result in a stop work order. The Contractor shall maintain an updated and chronological record at the job site of all written notifications along with a list of recipients. Such records shall be made available upon request by the City Engineer.

Full compensation for Public Notification, as specified herein, shall be considered as included in the prices paid for the various items of work involved and no additional compensation will be made therefore.

Section 5-3 Labor

Section 5-4 Insurance

Insurance requirements in this Section shall be replaced with the insurance requirements contained in the Contract Agreement for the project.

Section 5-5 Antitrust Claims

Section 5-6 Patent Fees or Royalties

Section 5-7 Safety

In addition to compliance with this Section the Contractor shall:

1. Replace and/or repair the damaged pavement outside the construction limits damaged by their operations to the satisfaction of the Engineer at no cost to the City.
2. Keep the areas adjacent to the construction site clear of any objects that may be hazardous to pedestrians and motorists. The Contractor shall be responsible for the project safety on a 24-hour basis each calendar day for the entire duration of the project.
3. The contractor shall furnish, install and maintain all necessary signage for pedestrians and motorists in conformance with the California Manual of Uniform Traffic Control Devices.
4. The City will only provide inspection during the designated construction hours Monday through Friday. Any work done without inspection is at the Contractor's risk and subject to rejection. The replacement costs for rejected work will be borne by the Contractor.
5. Use illuminated or reflective warning/construction signs at both ends of the construction area while hauling materials in and out of the site, and at appropriate locations or as directed by the Engineer for the entire project. Solar powered flashing arrow boards will be required for all lane closures and may be required for other traffic control. The Contractor shall provide larger flexible roll-up traffic control signs at no additional cost, if required by the Engineer. In addition to providing and maintaining delineation, the Contractor shall be responsible for the project safety on a 24-hour basis.

   NOTE: Contractor to be aware of the following restrictions to all work being performed within the City of Wildomar;

   - Any work located within a two (2) block radius of any school will be performed during a school break or on weekends. Contractor shall coordinate work schedule with Engineer, prior to commencing of proposed improvements.
   - The Contractor shall not be allowed to perform any work on any holiday. During this period, all work shall be completed, all travel and/or traffic lanes shall be restored to a safe condition, be fully operational, and shall be opened to vehicular traffic.
   - During elections, no work will be allowed within six hundred feet (600') from a polling place including no parking of construction equipment or employee vehicles within said distance of 600 feet.
   - Prior to commencement of any work within City limits, the contractor shall coordinate with the Engineer so that the work performed will not interfere with any special events occurring in the City throughout the year.
   - Construction hours shall be further limited to the times specified in Section 15.04.010 and Section 9.48.0608 of the City Municipal Code.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

Section 6-1 – Construction Schedule and Commencement of the work

Section 6-2 – Prosecution of the Work

Add 6-2.1 Record Documents – The Contractor shall record, on a set of Contract Documents maintained at the job site, deviations that have been made from the Contract Documents or approved shop drawings. This shall include locations of buried conduits and utility features which are revealed during construction. Requests for partial payments shall not be approved until the record documents are up to date and delivered to the City, after approval of the Engineer.

Section 6-3 – Time of Completion

Section 6-4 – Delays and Extensions of Time

6-4.3 Payment for Delays – The Contractor shall not be paid for delays except those for which the City is responsible or described in Section 402-5. The amount of delay compensation shall be wholly determined by the Engineer.

Section 6-5 – Use of Improvement During Construction

Section 6-6 – Suspension of the Work

Section 6-7 – Termination of the Contract for Default

Section 6-8 – Termination of the Contract for Convenience

Section 6-9 – Liquidated Damages

Liquidated Damages shall be **$3500.00 per Calendar Day** unless otherwise provided in the Contract Documents.

SECTION 7 – MEASUREMENT AND PAYMENT

Section 7-1 – Measurement of Quantities for Unit Price Work

Section 7-2 – Lump Sum Work

Section 7-3 – Payment

7-3.3 – Delivered Materials

The cost of materials and equipment delivered, but not incorporated into the Work will not be included in the progress payment estimate unless otherwise provided in these Special Provisions.

Section 7-4 – Payment for Extra Work

7-4.3.1 – Work by Contractor

The allowance for overhead and profit to be added to the Contractors costs shall be 12%.

7-4.3.2 – Work by Subcontractor

The allowance for overhead and profit to be added to the Subcontractors costs shall be the same as allowed in Section 7-4.3.1. The Contractors costs and markup shall be 5%.

Section 7-5 – Payment for Changes Requested by the Contractor

SECTION 8 – FACILITIES FOR AGENCY PERSONNEL

Section 8-1 – General

The contractor shall not be required to provide field office facilities for the City unless otherwise provided in the Special Provisions.

Section 8-2 – Field Office Facilities

Section 8-3 – Field Laboratories

Section 8-4 – Bathhouse Facilities

Section 8-5 – Removal of Facilities

Section 8-6 – Basis of Payment

PART 2
CONSTRUCTION MATERIALS

SECTION 200 – Rock Materials

SECTION 201 – Concrete, Mortar and Related Materials

201-1.1.2 Concrete Specified by Class and Alternate Class Concrete for street surface improvements as listed in Table 201-1.1.2 shall be 560-C-3250. All other concrete shall be per Table 201-1.1.2 unless otherwise specified in the Bid Item Special Provisions.

SECTION 202 – Masonry Materials

SECTION 203 – Bituminous Materials

SECTION 204 – Lumber and Treatment with Preservatives

SECTION 205 – Piles

SECTION 206 – Miscellaneous Metal Items

SECTION 207 – Gravity Pipe

SECTION 208 – Pipe Joint Types and Materials

SECTION 209 – Pressure Pipe
SECTION 210 – Paint and Protective Coatings
SECTION 211 – Material Tests
SECTION 212 – Water and Sewer System Valves and Appurtenances
SECTION 213 – Engineering Geosynthetics
SECTION 214 – Traffic Striping, Curb and Pavement Markings, and Pavement Markers
SECTION 215 – Precast Reinforced Concrete Manholes (PRCMH)
SECTION 216 – Precast Reinforced Concrete Box
SECTION 217 – Bedding and Backfill Materials

PART 3
CONSTRUCTION METHODS

SECTION 300 – Earthwork
SECTION 301 – Subgrade
SECTION 302 – Roadway Surfacing

Section 302-2.3 Equipment

Add 2.3.1 General - Paving machines shall be equipped with a fully-automatic screed control system. The system shall be either a contact (skid) or non-contact (sonic averaging) system. The skid shall be a minimum of 30-feet long, mounted on the side of the spreading and finishing machine which will receive the next mat of material, and placed in contact with the pavement surface. The sonic averaging system shall have a ski, a minimum of 24 feet long, mounted on the side of the paving machine which will receive the next mat of material. The automatic screed control system shall be in operation during placement of all courses unless otherwise approved by the Engineer."

Add 302-5.6.3 Smoothness Verification and Correction - The Contractor shall water-test all finished Asphalt Concrete surfacing prior to final inspection. Any irregularities causing water to stand shall be corrected at the Contractor's expense. The Engineer may also test the pavement surface using other methods including, but not limited to, a rolling straight edge test, a profilograph test, or an International Roughness Index (IRI) test. Upon completion, the pavement surface shall be true to grade and cross section, in accordance with Subsection 302-5.6.2, “Density and Smoothness,” of the SSPWC. If the finished surface does not meet the specified surface tolerance, it shall be brought into tolerance by a method to be approved by the Engineer which may include (but shall not be limited to) removal and replacement of finished surfaces or, at a minimum, abrasive grinding, utilizing diamond cutting blades followed by a fog seal coat applied to the areas which have been ground, followed by a sand blotter applied over the fog seal. If used, abrasive grinding shall conform to the first paragraph and last four paragraphs of Section 42-2.02, “Construction,” of the Caltrans Standard Specifications, with the following exception: Residue from grinding operations shall be removed from the project site and properly disposed of at the Contractor’s expense. Corrective work described above shall be at the Contractor’s expense.

SECTION 303 – Concrete and Masonry Construction
SECTION 304 – Metal Fabrication and Construction
SECTION 305 – Pile Driving and Timber construction
SECTION 306 – Open Trench and Conduit Construction
SECTION 307 – Jacking and Tunneling
SECTION 308 – Microtunneling
SECTION 309 – Monuments
SECTION 310 – Painting

SECTION 311 – Special Protective Materials
SECTION 314 – Traffic Striping, Curb and Pavement Markings, and Pavement Markers

PART 4
EXISTING IMPROVEMENTS

SECTION 400 – Protection and Restoration
Section 400-1 General

In the event a traffic control sign or lighting facility is damaged, the Contractor shall immediately call the Department of Public Works at 951-677-7751 or the after-hours number provided at the Pre-Construction meeting and repair or replace the facility, at the Contractor's expense, within 24 hours so the facility is fully operational.

Prior to construction, the Contractor is encouraged to document, in writing and by photograph, any damage to existing improvements within the right of way or adjacent private improvements within the project area.

In the event there are mature trees adjacent to the work area, the tree canopy may extend over the construction area. It is the responsibility of the Contractor to conduct construction operations around said tree canopy such that the work is accomplished without damaging or injuring tree or tree limbs in any way.

The Contractor, in writing, shall notify impacted residents and/or property owners to inspect their existing facilities to determine if any damage was caused due to construction. The notice shall be done within three (3) days of completing the project and shall request that the residents and/or property owners notify the Project Manager of such condition within seven (7) days. The seven (7) days notification is only a courtesy request and not a requirement; any damaged irrigation reported after the seven (7) days will still be required to be repaired.

All damaged landscaping shall be replaced in kind or better within two (2) weeks of the damage. It is the Contractor's responsibility to match the existing grass with a similar variety. Any area, which is rutted, shall be leveled with appropriate topsoil and seeded. All damaged irrigation systems shall be repaired within 48 hours.

Existing traffic stripes and pavement markers that are outside the areas of the project limits that are to remain in place shall be protected from wheel marks and other damage by the Contractor. Damaged traffic stripes and pavement markers shall be cleaned or replaced as approved by the Engineer. The restoration of such objects will be at the Contractor's expense and in conformance with "Traffic Striping and Pavement Markings" found elsewhere in these specifications.

SECTION 401 – Removals
Section 401-1 General

Care shall be exercised not to damage adjacent concrete curbs/gutters, concrete driveways, pavement, and landscape/irrigation. Gutters, pavement, sidewalk, driveways, or curbs damaged by construction operations shall be replaced at the Contractor's expense. Damaged landscaping or irrigation shall be replaced or repaired in kind to good working condition. Residue from removal operations shall not be permitted to flow or travel into gutters, onto adjacent surfaces or parkways. All residues shall be completely removed by sweeping and properly disposed. No washing of residues into drainage structures will be allowed.

The Contractor shall implement whatever measures are practical during removal operations to maintain the existing subgrade integrity except as otherwise called for on the plans. Any subgrade

disturbed or removed due to the Contractor not using the extra care outlined or for his convenience, shall be graded and compacted to the required elevations at no cost to the City.

SECTION 402 – Utilities

Section 402-1 Location

The extent that existing utilities are shown on the plans will be addressed in the Special Provisions.

Attention is directed to the contractor's responsibility to locate subsurface facilities within 24 inches of any side of excavations required for the work and provide this information to the Engineer. Payment for performing the location work shall be included in the price paid for the bid item provided. If no bid item is provided the cost shall be included in the various other items of work. No additional compensation will be allowed.

Section 402-4 Relocations

Replace the first two sentences with the following:

Mobilization shall include the coordination of the Contractor with utility agencies for potholing, relocations, work within existing utility easements, and to obtain construction water.

The City has performed utility coordination during the design process. Utility Plan Sheets are included in the plan set that show all utilities and indicate the relocations and adjustments required. Utilities have been notified to make their relocations and adjustments prior to construction if feasible to do so. This may or may not occur. It is the Contractors responsibility to continue with the coordination efforts immediately upon receiving the Notice to Proceed and work with the utilities to schedule the required work. The utility contact personnel will be provided at the preconstruction meeting.

Section 402-5 Delays Due to Utility Conflicts

Add to last paragraph – Contractor shall provide documentation in the form of paid invoices or other documents acceptable to the Engineer substantiating the actual loss. The Engineer will determine the final fair and equitable compensation and no additional compensation will be allowed. Equipment on Idle is not eligible for any additional markup.

SECTION 403 – Manhole Adjustment and Reconstruction
SECTION 404 – Cold Milling
SECTION 405 – Micro-Milling

PART 5
PIPELINE SYSTEM REHABILITATION

SECTION 500 – Pipeline Rehabilitation
SECTION 501 – Service Lateral Connection Sealing
SECTION 502 – Manhole and Structure Rehabilitation

PART 6
TEMPORARY TRAFFIC CONTROL

SECTION 600 – Access
SECTION 601 – Temporary Traffic Control for Construction and Maintenance Work Zones

PART 7
STREET LIGHTING AND TRAFFIC SIGNAL SYSTEMS

SECTION 700 – Materials
SECTION 701 – Construction

PART 8
LANDSCAPING AND IRRIGATION

SECTION 800 – Materials
SECTION 801 – Installation

BID ITEM SPECIAL PROVISIONS

BID ITEM NO. 1: MOBILIZATION, DEMOBILIZATION, BONDS, INSURANCE, IDENTIFICATION SIGNS AND MISCELLANEOUS

GENERAL

Mobilization, Demobilization, Bonds, Insurance, Identification Signs and Miscellaneous shall consist of preparatory work and operations as well as work associated with final clean up and project close out including, but not limited to, work necessary for the movement of personnel, equipment, materials and incidentals to the project site necessary for work on and off the project, and for all other work and operations which must be performed, or costs incurred including bonds, insurance and financing prior to beginning work on the various contract items on the project site. Mobilization shall also include the time, materials, and labor to move the necessary construction equipment to and from the job site, supervisory time on the job by the Contractor's personnel to keep the construction site in a safe condition and all other related work as required at all times and for all nonworking days during the construction period. Additionally, this work includes installation and maintenance of project identification signs at the locations as approved by the Engineer.

SCHEDULE

Project Schedule shall conform to Section 6-1.1 of the Greenbook, including modifications noted in these Standard Specifications and Special Provisions.

PUBLIC NOTIFICATION (ALSO SEE SECTION 5-2 OF THE GENERAL PROVISIONS)
The Contractor shall be required to notify and cooperate with the public, transit companies, local law enforcement agencies, local fire districts, local utilities companies, refuse collectors, schools, medical facilities and any other persons or agencies who may be affected by this project at least two (2) weeks prior to construction. Other notifications may be required during project construction as outlined below.

Notifications will be provided by the Contractor relating to, but not limited to, the following items:

- General information
- Traffic delays and alternate routes
- Tree removals and/or trimming
- Driveway closures (if multiple closures are required at separate dates, multiple notices will be required)
- Adjustment of utilities / Water service interruptions
- Temporary relocations of bus stops
- Waste pick up
- Mail delivery

Upon issuance of a Notice to Proceed, Contractor shall submit a General Project Information notice for review and approval by the Engineer. The City may provide a template for this notice. This notification will provide general information about the project, including a map of the work areas, approximate range of dates when construction will take place, time of work, Contractor's name and phone number and any other pertinent information for residents and businesses. The Contractor shall provide the City Engineer with a copy of the proposed written notification for review two (2) weeks prior to delivery. Delivery of the notices shall be made within one week of receiving approval from the Engineer. At a minimum, before Contractor begins any work, all

residents and businesses facing or siding on each street affected by the work shall be notified in writing at least seven (7) days in advance. Additional notifications during construction for driveway closures etc. shall be made two (2) working days prior to the closure.

If construction operations have been postponed or cancelled with no work in the proposed area for more than seven (7) calendar days, or multiple notices are required, the Contractor shall re-notify the affected residents and businesses a minimum of two (2) working days prior to the start of the work.

Failure to comply with the notification requirement will result in a stop work order. The Contractor shall maintain an updated and chronological record at the job site of all written notifications along with a list of recipients. Such records shall be made available upon request by the City Engineer.

Full compensation for Public Notification, as specified herein, shall be considered as included in the bid price paid for Mobilization / Demobilization and no additional compensation will be made, therefore.

THIRD PARTY COORDINATION

1. This item will also include coordination with utility companies, property owners, trash haulers, Riverside Transit Authority, Post Office, emergency agencies and additional developers and contractors, if any, for concurrent work on the surrounding area, including, but not limited to, meetings, supervision, and coordination of project phasing.
2. The Contractor shall meet and coordinate with the commercial properties at the northwesterly corner of Wildomar Trail (Los Molcajetes and Montagues). These include:
    - Pedestrian access
    - Driveway construction scheduling
    - Customer Parking (City has provided for the use of the vacant lot across Palomar if needed)
    - Decorative items relocation
    - Protecting landscaping
    - Outdoor patio seating
3. The contractor shall meet with the U.S. Post Office regarding specific requests, access and construction issues prior to construction. These include:
    - Mail deliveries to the Post Office
    - Driveway construction scheduling
    - Pedestrian Access
    - Parking issues
4. The Riverside County Transit Authority (RTA) plans to refurbish the existing bus shelters and benches at Wildomar Trail. RTA has indicated the shelter and bench on the northeasterly location will be removed prior to the project construction and will reinstall it upon construction completion on the new pad being provided. The contractor shall contact and coordinate with the RTA regarding temporary bus stop location

No additional compensation will be made for providing for these requests.

RIGHT OF WAY

The City has obtained right of way and Temporary Construction Easements (TCE) for project construction. These are shown on the Right of Way plan sheets included in the construction plans. The contractor shall confine the work to the easement areas shown. A sample TCE is included in the Appendix.

WILDOMAR CEMETERY

The Contractor is advised that certain activities at the Wildomar Cemetery may restrict or require special accommodations during construction at the Cemetery. The Contractor shall coordinate with the Cemetery office regarding these activities. No additional compensation will be made for meeting these requirements.

WILDOMAR ELEMENTARY SCHOOL AREA CONSTRUCTION

The project includes the reconstruction of driveways to Wildomar Elementary School. Construction of these driveways shall be performed during periods when the school is not in session or other events scheduled. This includes summer break, spring break, Thanksgiving break, Christmas break, and weekends. A calendar of actual dates will be provided at the Pre-Construction conference. No additional compensation will be made to accommodate these requirements.

STAGING AREA

The City of Wildomar can make available a vacant parcel on the southwesterly corner at Gruwell St. that is owned by the City for use by the contractor. If the contractor choses to use this property a Use Agreement must be processed and approved by the City Council before use.

UTILITY COORDINATION

Mobilization shall include the coordination of the Contractor with utility agencies for potholing, relocations, work within existing utility easements, and to obtain construction water. At a minimum, potholing shall occur at the location of all traffic signal pole foundations and where any utility crossings are shown or noted in the Plans under the proposed perimeter wall, gate and fencing foundations. Pothole results shall be provided to the Engineer for approval prior to commencement of any work that involves installation of signal poles or perimeter walls, fencing, and gate foundations.

The City has performed utility coordination during the design process. Utility Plan Sheets are included in the plan set that show all utilities and indicate the relocations and adjustments required. Utilities have been notified to make their relocations and adjustments prior to construction if feasible to do so. This may or may not occur. It is the Contractors responsibility to continue with the coordination efforts immediately upon receiving the Notice to Proceed and work with the utilities to schedule the required work. The utility contact personnel will be provided at the preconstruction meeting.

BUILDING PERMITS

The contractor shall be responsible for obtaining no-fee permits from the City of Wildomar Building Department for the following work:

- Cemetery walls, fences and electrical. City staff has processed the permit application.

- Electrical service meter pedestals for the traffic signals. The contractor shall process the required application and coordinate with Edison to provide the service.

MISCELLANEOUS

The cost of bonds, insurance, move in and move out costs, preparation, and submission of submittals, obtaining encroachment permits, and miscellaneous incidental costs, shall be included in the Bid Item. No work shall be started without prior approval of the submittals. Failure to comply with the preceding requirement will be sufficient ground for the City Inspector to stop all work on the project until the requirements are met. Additionally, Sanitary facilities shall be supplied and maintained by the Contractor for the duration of the contract work.

HAUL ROUTE

The Contractor shall submit to the City a Haul Route Permit application for the safe movement of equipment and materials to and from the project site. The Haul Route Permit application and the submittal requirements can be obtained from the City's Public Works Webpage here: https://www.cityofwildomar.org/government/departments/public_works. Traffic Control Plans shall be included in the application. See the Bid Item for Construction Area Traffic Control for full details regarding traffic control requirements.

MITIGATION OF CONSTRUCTION ACTIVITIES ON PROJECT AREA BUSINESSES

Contractor shall provide a minimum of four (4) signs located at either end of the areas under construction which front or are adjacent to commercial businesses and in front of each affected business that inform the public that the businesses remain open during construction activities. Contractor shall also coordinate with City and all affected businesses in order to minimize the impact of project construction activities on business operations and, at all times, ensure that there is access and parking for such affected businesses.

PROJECT IDENTIFICATION SIGNS

The Contractor shall provide and erect up to four (4) project identification signs at the locations as approved by the Engineer. Prior to ordering signs, Contractor shall submit digital proofs to the Engineer for approval of what the signs will look like. The signs shall be furnished by the Contractor, and shall be labeled to include the following information:

1) City of Wildomar Logo in the upper left-hand corner, approximately 9" x 9".
2) Centered along the top row in the upper right-hand corner (one row) using 4-1/2" sized font:
   a. **CITY OF WILDOMAR**
3) Centered just below item 2 above (three rows) using bold all capital letters and 3-1/2" font:

A. PALOMAR STREET WIDENING PROJECT, CIP 028-1
B. WILDOMAR CEMETERY PERIMETER WALL,
C. FENCING AND ADA IMPROVEMENTS, CIP 067-1

D. Centered along the bottom (two rows) using bold all capital 3-1/2" font:
   a. PROJECT MADE POSSIBLE BY

E. The following logos in color, minimum 12" height and spacing 6" from each logo and side lines, and text below using bold all capital letters and 2-1/2" font:

TRANSPORTATION UNIFORM MITIGATION FEES

STATE SENATE BILL 821

CITY OF WILDOMAR CEMETERY DISTRICT AND GENERAL FUNDS

MEASURE AA FUNDS

The project identification signs shall be erected as soon as possible after approval by the City, but no later than five (5) working days prior to the start of work.

The project identification signs shall be 48" high x 72" wide in size, with two (2) 4" x 4" x 16' posts. The sign posts shall be embedded 5' in good, solid ground, with a minimum vertical clearance of 7' from the bottom of the sign to the ground, and the backfill shall be carefully tamped into place.

Signs and signposts shall be located within the public right-of-way and may not hinder or obstruct driver's line of sight. Placement shall not violate or compromise current ADA access requirements. The wording and size of the letters shall be approved by the Engineer prior to fabrication.

Sign materials and reflectivity shall conform to CA MUTCD requirements for construction signs.

The Contractor shall revise all misspellings and any other corrections on the sign at no extra cost to the City. If the Contractor is ordered to revise information on the sign, misspellings and erroneous information not included, after the project identification sign has been approved by the

Engineer, a Contract Change Order will be issued in accordance with Subsection 3-2, "Changes Initiated by the Agency," of the Standard Specifications for the cost of changing names.

Upon completion of the project, each project identification sign shall be removed from the project limits and disposed by the Contractor. The cost of project identification sign removal and disposal shall be considered incidental to the other items of work and no separate or additional payment will be allowed, therefore. Contractor shall be responsible for the maintenance, repair or replacement of these signs until removed.

MEASUREMENT AND PAYMENT

The contract **Lump Sum (LS)** price paid for **MOBILIZATION, DEMOBILIZATION, BONDS, INSURANCE, IDENTIFICATION SIGNS, AND MISCELLANEOUS** shall include full compensation for furnishing all labor, materials, tools, equipment, and for doing all the work described, as specified in the Standard Specifications, these Special Provisions and as directed by the Engineer and no additional compensation will be made therefore.

Mobilization, Demobilization, Bonds, Insurance, Identification Signs, and Miscellaneous shall not exceed 5% of the total bid. Twenty five percent (25%) of the lump sum amount will be eligible for inclusion in the first progress payment, with the remaining amount prorated monthly over the duration of Work as determined by the engineer with no more than 80% being paid prior to the final payment. Final payment of the remaining twenty percent (20%) will be made after one hundred percent (100%) of the Work has been completed and accepted by the City, and the contractor has demobilized all equipment, materials, and personnel from the project.

BID ITEM NO. 2: DEVELOPMENT OF SWPPP & IMPLEMENTATION OF BMPS (RISK LEVEL 2)

Water pollution control shall conform to Section 3-12.6 of the Greenbook, Section 3-12.6 of the General Provisions, Section 6 of the City's Jurisdictional Runoff Management Program (JRMP), and these Special Provisions.

The Contractor shall submit a Water Pollution Control Plan (WPCP) for the project for review and approval by the Engineer three (3) weeks prior to the start of construction. At a minimum, the WPCP shall show the project areas and identify the specific Best Management Practices (BMPs) to be implemented during construction in each area to minimize the runoff of pollutants from the construction site. Staging or storage areas located within the City and used by the project shall also be included in the WPCP and BMPs shall also be required for those areas. The WPCP shall conform to the City's Jurisdictional Runoff Management Program (JRMP) and the Minimum Management Measures (BMPs) required therein in Section 6.3. The JRMP can be accessed through the City's website using the following link:

https://www.cityofwildomar.org/DocumentCenter/View/2204

The Contractor is advised that the project is anticipated to create at least one acre of ground disturbance . As a result, coverage under the State Water Board's Construction General Permit (CGP) shall be required. The Contractor shall be responsible for all items related to obtaining coverage under the CGP, complying with all State permit requirements, and closing out the

permit. The Contractor shall first submit a Stormwater Pollution Prevention Plan (SWPPP) to the City for review and approval before submitting the SWPPP to the State Water Board for final approval. The Contractor shall not commence any construction activities without an approved permit/Waste Discharge Identification Number (WDID) from the State Water Board.

Prior to completion of construction and project acceptance, all areas disturbed by the contractor, whether or not specifically related to an item of construction and whether within the limits of construction or outside, shall receive adequate permanent stabilization, to the satisfaction of the Engineer. All manufactured slopes, whether cut or fill, shall receive adequate permanent stabilization, to the satisfaction of the Engineer. To prevent the runoff of sediment from the site, the Contractor shall compact all loose soils that are disturbed by the demolition and removal of impervious areas, to the satisfaction of the Engineer. The Contractor shall stabilize all areas of disturbed soil with mulch per a separate bid item of these specifications. Fiber Rolls shall also be installed on slopes and along the removed driveways in conformance with Fact Sheet SC-5 of the Caltrans Construction Site BMP Manual.

MEASUREMENT AND PAYMENT

Payment for this item shall be at the **LUMP SUM (LS)** price bid for **DEVELOPMENT OF SWPPP & IMPLEMENTATION OF BMP'S (RISK LEVEL 2)**. Payment shall include full compensation for furnishing all labor, materials, equipment, and incidentals required to complete the work as shown on the Plans, as specified in these special provisions, and as directed by the Engineer and no additional compensation will be allowed. Payment for stabilization shall be considered included in the price bid for Development of SWPPP & Implementation of BMP's and shall not be included in the separate bid items. Payment for this item shall be based on the completion percentage of entire project. Payments may be withheld, and total payment may be reduced, if warranted, based on the results of compliance inspections. Payment will be prorated on a monthly basis over the duration of the Contract. agencies and not due to the failure of the contractor's Development of SWPPP & Implementation of BMP's (Risk Level 2).

BID ITEM NO. 3: CONSTRUCTION AREA TRAFFIC CONTROL SYSTEM

GENERAL

Control of traffic and pedestrians during construction shall conform to Part 6 **TEMPORARY TRAFFIC CONTROL** of the Standard Specifications and these special provisions.

ALL TRAFFIC CONTROL OPERATIONS SHALL BE CONDUCTED BY A PROFESSIONAL TRAFFIC CONTROL COMPANY OR CONTRACTOR PERSONNEL DEDICATED TO TRAFFIC CONTROL, EXPERIENCED IN PROVIDING TRAFFIC CONTROL ON MUNICIPAL ROADWAYS AND CONDITIONS SIMILAR TO THE PROJECT REQUIREMENTS AND ARE NOT ASSIGNED OTHER TASKS ON THE PROJECT.

The provisions in this section may be modified or altered if, in the opinion of the Engineer, public traffic will be better served, and work expedited. Any proposed modification shall be approved in writing by the Engineer.

Any locations yielding a situation that is not considered drivable by the Engineer shall be resolved by the Contractor at the direction of the Engineer. The Contractor shall not be paid for such corrective action and shall be charged for any costs incurred by the City for corrective action.

The Contractor is not allowed to drive his/her fully loaded trucks on the new finished course pavement.

Any deviation from these requirements is not permitted. All the Contractor's operations will be ceased at once if the Contractor violates any of these requirements unless approved by the Engineer. No further payments will be made to the Contractor until problems are resolved according to the City's requirements.

The Contractor shall:

1. Submit traffic control plans (TCP) per Section 601-2 of the Greenbook for each project street for review and approval by the Engineer upon issuance of a Notice to Proceed. Per Section 601-2.1 the TCP shall be prepared and signed by a Registered Civil Engineer or Registered Traffic Engineer.
2. Perform all work for this project Monday through Friday, from 8:00 am to 5:00 pm except City observed holidays. No lane of traffic shall be closed prior to 8:30 am and all lanes shall be open to traffic at 3:30 pm. No work shall be performed on any streets after 5:00 p.m. on Friday, until Monday morning. The only exception to this would be to work on weekends to provide access to businesses. During days when Wildomar Elementary School is in session, lane closures shall not begin until after school begins.
3. Portable Changeable Message Signs (PCMS) shall be shown on the TCP and are required on both ends of Palomar Street, both ends of Gruwell Street, both ends of Wildomar Trail and all streets requiring detours, stating expected dates of construction and to expect delays. The contractor shall install a locking device on each PCMS to prohibit access to the computer keyboard. The PCMS shall be in place a minimum of seven (7) calendar days prior to the start of construction and remain in place throughout the construction duration. The messages to be displayed shall be submitted to the Engineer for review during the submittal review period prior to construction.
4. Conduct operations such that fire hydrants, meter vaults, water and gas shut-off valves, and similar facilities are not buried during the course of the work and so as to offer the least possible obstructions and inconvenience to public traffic and to properties fronting the construction areas.
5. Submit to the Engineer for approval the proposed method of maintaining access to businesses fronting the construction. Where necessary, temporary ramps shall be constructed and maintained. In addition, the Contractor shall notify occupants of affected properties forty-eight (48) hours in advance of the time access will be affected by the prosecution of the work required.

ANTICIPATED TRAFFIC CONTROL PHASING AND LANE CLOSURES

In general, but subject to the special provisions in this Section, on multi-lane (4 lanes or more) streets, only one lane in each direction may be closed at a time. On two-lane streets, one lane may be closed at a time, but two-way traffic flow shall always be maintained with flaggers except as noted below.

Lane closures shall only be allowed Monday through Friday from 8:30 a.m. to 3:30 p.m., except City observed holidays unless noted otherwise. At 8:00 a.m., the contractor may start work earlier by setting up and starting operations but may not shut down a lane or street to traffic until 8:30 a.m. Minor deviations from the requirements concerning hours of work, which do not change the cost of the work, may be permitted by the Engineer upon the written request of the Contractor if traffic will be better served and the work expedited. The Contractor shall obtain prior written approvals from the Engineer before adopting such deviations.

When directed by the Engineer, the Contractor shall provide flagmen to direct the traffic, at no additional contract cost to the City.

It is anticipated that the street construction will be completed in stages. The Contractor shall designate the various stages on the Traffic Control Plans. The Contractor may need to install temporary asphalt concrete pavement, to implement the stages. Temporary asphalt pavement shall consist of Type III B2-PG 64-10 and can be placed in one lift. Temporary asphalt shall be 3" minimum thickness and shall provide for a minimum twelve (12) foot wide lane.

The following are specific traffic control requirements for each of the project streets:

1. Palomar Street
    - Maintain one (1) thru travel lane in each direction. Temporarily one lane may be closed at a time, but two-way traffic flow shall always be maintained with flaggers. If, in the opinion of the Engineer, such closures cause a significant backup the Contractor shall take measures to open the closure and develop alternate plans to complete the work while maintaining two-way traffic at all times. The Contractor is advised that there is a United States Postal Service (USPS) Office within the project limits and multiple Riverside Transit Agency (RTA) bus stops. The Contractor shall coordinate with the Post Master at the USPS Office and with RTA before preparing the traffic control plans, and shall ensure that any necessary accommodations are made and accounted for in the traffic control plans.
2. Gruwell Street
    - Maintain one (1) thru travel lane in each direction. Temporarily one lane may be closed at a time, but two-way traffic flow shall always be maintained with flaggers. If, in the opinion of the Engineer, such closures cause a significant backup the Contractor shall take measures to open the closure.
    - Additionally, as necessary, flagging operations to allow thru traffic along Gruwell Street during construction, specifically access to the Vista Cielo Way / Gruwell Street intersection and the Wildomar Cemetery Gruwell Street intersection.
    - The Contractor is advised that Fire Station 61 is located on Gruwell St. south of the project limits. The Contractor shall ensure that the Fire Department receives a copy of the approved traffic control plans, and shall submit a copy of the project schedule to the Fire Department.
3. Final Paving and Cleanup
    As necessary, lane closures and flagging to construct final asphalt concrete surface course, utility adjustments, signing and striping and project cleanup.
4. Temporary Traffic Signals

Temporary Traffic Signal improvements will be required at the Wildomar Trail / Palomar Street and Gruwell Street / Palomar Street intersections during the stages. At a minimum, the following movements shall be maintained through each intersection:

i. One (1) thru lane each direction along Palomar Street.
ii. One (1) northbound and one (1) southbound left turn lane from Palomar Street to each Gruwell Street / Wildomar Trail.
iii. Installation of permanent video detection equipment may not be used and implemented until final signal improvements are in place. The Contractor may elect to use existing loop detectors / video detection or temporary video detection equipment during construction of these phases.
iv. Optical sensors and functionality for emergency vehicles shall be provided and maintained at all times.

5. Driveways

At a minimum, the Contractor may not close driveways for more than three (3) consecutive calendar days. Additionally, the Contractor may not close more than one (1) driveway at any time where properties or commercial centers have more than one driveway entrance that requires closures.

If driveway width will allow access while one-half of the driveway is constructed the Contractor shall not close the driveway unless approved by the Engineer.

Access to the southerly Post Office driveway shall be maintained by providing temporary access to the south for large mail trucks.

SIGNS, BARRICADES, DELINEATORS AND DETOURS

All signs shall be illuminated or reflectorized when they are used during hours of darkness. All cones, pylons, barricades, or posts used in the diversion of traffic shall be provided with flashers or other satisfactory illumination if in place during hours of darkness.

Traffic delineators shall be of the double base type.

Whenever the contractor is required to detour traffic, submit drawings of the proposed detour plan to the Engineer Ten (10) working days prior to the date when the proposed detour is to be implemented. The Contractor will revise the plan in accordance with the directions of the Engineer. No Contractor shall implement a detour without prior approval of the detour plan by the Engineer. All detours shall be installed and maintained at all times in accordance with the approved plan. All construction signs shall be constructed with high intensity reflective sheeting and shall be always maintained in a clean and legible manner.

The Contractor shall furnish, construct, maintain and finally remove detours, road closures, lights, signs, barricades, flagmen, drainage facilities, reconstruct paving and such other items and services as are necessary to adequately safeguard the public, both traveling and otherwise, from hazard and inconvenience. All such work shall be as provided in the Specifications herein, or as directed by the Engineer and shall conform to the ordinances and regulations of the City of Wildomar.

The Contractor shall be responsible for placing and removing turn restrictions and transitions as required by the Engineer. (This includes no left turns signs, etc.).

Provide temporary travel lane delineation, as required, at all times. Temporary flexible reflective stick-on markers (slurry markers) may be applied, as appropriate however “glue down” delineators may not be placed on final pavement surfaces.

Provide temporary traffic restriping at the conclusion of any working day for any centerline or lane line which is obliterated by construction for a distance longer than 65 feet. The minimum lane width shall be 10 feet. There shall be a minimum of 5-foot clearance from open excavations deeper than 4-inches, and 24-inches clearance from other obstructions and any excavations less than 4-inches unless authorized by the Engineer. The clearance requirements from open excavations may be reduced if k-railing (if the contractor so chooses) with crash cushions are utilized; the specification and layout of the k-rails with crash cushions shall conform to Caltrans’ standards and shall be approved by the engineer. All costs for k-rails and crash cushions shall be borne by the Contractor.

The Contractor shall use temporary asphalt surfacing at their own expense as required to maintain traffic in a safe and non-disruptive manner. The Contractor shall construct temporary AC ramps to provide safe and drivable access to residents and businesses. Transitional and temporary asphalt concrete shall be removed prior to placement of new AC pavement.

The Contractor shall provide temporary delineation as directed and approved by the Engineer at no additional expense to the City. Temporary delineation shall include wet nozzle sandblasting of conflicting markings, installation and removal of temporary centerlines or lane lines, detour signing, barricading, replacement of traffic lines, and markings in their proper locations upon termination of the detour phase.

Temporary striping required for traffic control during construction shall be removed by the Contractor by using wet nozzle sandblasting methods, or other methods approved by the Engineer. Blacking out the pavement shall not be allowed. Reflective striping tape may be used, except that it shall not be applied to final surfaces. It shall be completely removed from all surfaces prior to placement of subsequent work.

The Contractor shall use illuminated and/or reflective warning/construction signs at appropriate locations for the project and/or as directed by the Engineer. The Contractor shall also use solar powered flashing arrow boards at lane closure tapers in addition to other delineation. Where construction signing conflicts with existing signing, the Contractor shall cover existing signs in a manner approved by the Engineer.

To minimize interruption to the construction and the inconvenience to the motorists, the Contractor must post traffic control signs at all applicable approaches to forewarn traffic. All signs must be visible and readable to the traffic from a minimum distance of 75 feet.

All excavations, if not backfilled or paved at the end of the workday shall be covered with non-skid steel plates, tack welded and flush with pavement surface.

ON-STREET PARKING

The Contractor shall furnish, install and maintain in place "No Parking - Tow Away" signs (even if streets have posted "No Parking" signs), which shall be posted prior to commencement of roadwork. On the sign, Contractor shall print the hours, day(s) and date of closure in two-inch-high letters and numbers. The notification shall include the Contractor's name and phone number where questions can be directed by the public. A sample of the completed sign shall be approved by the Engineer five (5) working days prior to posting. The signs shall be spaced at a maximum of 50 feet from the street intersection and/or from each adjacent sign. Signing shall be posted at least forty-eight (48) hours but not more than seventy-two (72) hours prior to the start of work. For any work to be performed on Monday morning or a morning following a holiday, the Contractor must post "No Parking - Tow Away" signs with all requirements as specified at least seventy-two (72) hours prior to the weekend or holiday begins.

When originally scheduled paving dates change due to weather or other reasons, Contractor shall remove and replace **NO PARKING** signs with corrected dates**. CROSS OUT DATES ARE NOT ALLOWED**. Removal and/or replacement of corrected signs and barricades shall be performed within 24 hours of approved changes or as directed by the Engineer.

At the conclusion of every workday, Contractor shall ensure that all traffic controls are maintained and left in a safe condition. Contractor shall provide a 24-hour contact to respond to traffic control issues that arise after hours.

MEASUREMENT AND PAYMENT

Payment for **TRAFFIC CONTROL SYSTEM**, shall be at the **LUMP SUM (LS)** price bid. Payment shall include full compensation for furnishing all labor, materials, tools and equipment and all incidentals necessary to provide traffic control, including installation of temporary asphalt concrete, during construction and no additional compensation will be allowed thereof. Payment will be prorated on a monthly basis over the duration of the Contract. Payment may not necessarily be equivalent ever single month. The City may use the approved traffic control plan and staging plan to establish monthly payment percentages for this item.

BID ITEM NO. 4: PRE-CONSTRUCTION CEMETERY GPR SUBSURFACE INSPECTION

GENERAL

The Contractor shall perform a pre-construction inspection using ground penetrating radar, permitted non-destructive investigation methodology, and other means to locate all graves / / burial sites / coffins / subsurface structures within ten (10) feet deep from existing ground surfaces within a twenty (20) foot envelope along the existing Wildomar Cemetery perimeter wall along Palomar Street and Gruwell Street prior to commencement of construction activities. At a minimum, the pre-construction inspection shall include the following:

1. Ground Penetrating Radar field inspection and location services by a reputable firm with at least five (5) years of working experience for public agencies performing similar services locating subsurface structures and utilities.

2. Field marking the location of all graves, coffins, and/or subsurface structures, including utility facilities, within a twenty (20) foot envelope along the existing Wildomar Cemetery perimeter wall along Palomar Street and Gruwell Street.
3. Written report of findings and potential conflicts (if any) with proposed Project Improvements.
4. Field walk with the City staff and Engineer to review findings.

After completion of the items noted above, the City will issue written approval to commence any work as scheduled within Wildomar Cemetery within ten (10) working days.

To the greatest possible extent allowed by California law, Contractor shall defend, indemnify and hold City harmless for any direct or consequential damage to any interred person(s) or grave sites.

PAYMENT

Payment for **PRE-CONSTRUCTION CEMETERY GPR SUBSURFACE INSPECTION shall be at the LUMP SUM (LS)** price bid. Payment shall include full compensation for furnishing all labor, materials, tools and equipment and all incidentals necessary to provide the pre-construction inspection using ground penetrating radar, including the inspection, field marking, preparation of written report, and field walk with the City staff, and no additional compensation will be allowed thereof.

BID ITEM NO. 5: CONSTRUCTION SURVEY INCLUDING MONUMENTATION PRESERVATION.

GENERAL

Construction Survey Including Survey Monumentation Preservation in the City right-of-way shall be the responsibility of the contractor and conform to County of Riverside Standard Drawing 901, the California Land Surveyor's Act (Business and Professions Code §§ 8700 – 8805) Section 8762, Section 3-10 of the General Provisions, Section 402 of the Green Book and these Special Provisions.

Survey

The Contractor shall provide construction survey for all the work within the project limits, including office research of notes, plats or other necessary documents; marking removal limits; grade staking; tying and relocating utilities. All work shall be done to the satisfaction of the Engineer.

The City will provide copies of any notes available for all existing survey control points within the project limits.

Any questionable grade, elevation, location or element of design shown on the plans shall be brought to the immediate attention of the Engineer in writing for clarification prior to construction.

The City reserves the right to verify all staking and monumentation for horizontal and vertical accuracy. The allowable error shall not exceed 0.01 feet vertically or horizontally. Any staking

found to exceed allowable error shall be reset at the sole expense of the Contractor and no additional compensation will be made therefore. In cases where the Contractor is unable to place a monument, such as conflicts with underground utilities, the Contractor shall notify the Engineer for review, confirmation, and approval of the omission.

All work described in this Section shall be done by or under the direction of a Professional Land Surveyor or a Registered Civil Engineer authorized to practice Land Surveying in the State of California herein referred to as "Surveyor".

Copies of all grade sheets, cut sheets and notes shall be provided to the ENGINEER the day after survey work is performed.

Monumentation Preservation

Prior to start of construction, the Contractor shall provide for the perpetuation of all existing monumentation within the project limits per Section 402 of the Greenbook and these Special Provisions.

The Contractor shall be liable for a back charge in an amount up to $2,000.00 per point obliterated or destroyed without notice or authorization from the City.

Revise "the Agency will" to "the Contractor will" in the second paragraph of Section 402.

All monumentation shall be performed under the supervision of a California licensed Professional Land Surveyor. In addition to the requirements of Section 402 the Contractor shall include the following:

1. Installation of new survey monument wells at all existing survey monument locations within Project limits.
2. Protection of existing survey monuments within Project limits where feasible. Where infeasible, the Contractor must replace obliterated or damaged survey monuments using Riverside County Standard Plans.
3. Installation of centerline ties at all existing monuments protected in place or new survey monuments installed by the Contractor.
4. Preparation of pre-construction and post construction corner records or a Record of Survey, as required.

Upon completion of monumentation, the Contractor's licensed Surveyor shall submit corner records to the City for approval, and if required a Record of Survey with the County of Riverside Surveyor showing new, existing and/or replaced monumentation. It will be the Contractor's responsibility to record the Record of Survey with the County of Riverside and to provide a recorded Record of Survey to the City. He contractor shall include six (6) corner records and a record of survey in its bid.

MEASUREMENT AND PAYMENT

Contractor shall provide a Schedule of Values for the bid item Construction Survey Including Monumentation Preservation at the pre-construction meeting prior to commencement of any Work

with the project. The schedule of values will be used for the basis of payment should additional items be requested by the Engineer or other agency.

Payment shall be made at the Contract Unit Price per **Lump Sum (LS) for CONSTRUCTION SURVEY INCLUDING MONUMENTATION PRESERVATION**, which shall include all labor including control survey, construction staking, installation of monuments and preparation of corner records or recordation of a Record of Survey with the County of Riverside, materials, tools, and equipment, and incidentals necessary, complete in place, and no additional compensation will be allowed. Progress payments will be made as approved by the Engineer.

BID ITEM NO. 6: CLEARING, GRUBBING AND EARTHWORK

Clearing, grubbing and earthwork shall be performed in accordance with the Plans, and the provisions of Section 300-1, "Clearing and Grubbing" and Section 300-2 "Unclassified Excavation" of the Greenbook, and shall include the following:

1. Removal of all sub-grade and base surfaces to the lines and limits shown on the Plans and as directed by the Engineer, and shall include excavating, over-excavating, loading, hauling, depositing, spreading, scarifying sub-grade and recompacting sub-grade.
2. Removal of all trees and shrubs, including stump grinding and removal of root systems to a minimum of 24" depth.
3. Removal of all surface vegetation and organic materials within limits of removals / grading as noted on the Plans.
4. Subgrade preparation including overexcavation / scarification of materials as shown or indicated in the Plans and compaction of overexcavated / scarified materials to at least 90% relative compaction based on maximum density determined by California Test (CT) 216.

Stockpiling of materials within the right of way, city parking lots, or other city improved property shall not be allowed unless otherwise approved by the Engineer.

Estimated earthwork quantities are shown below. These are estimated quantities provided for information purposes. No additional compensation will be made for actual quantities that are more or less than estimates.

Excavation = 14,400 CY

Fill = 6,900 CY

Export = 7,500 CY

<u>SUBGRADE PREPARATION</u>

All Subgrade Preparation shall conform to the requirements of Section 301-1 of the Greenbook and these Technical Specifications.

MEASUREMENT AND PAYMENT

Full compensation for all costs involved in removal and disposal / recycle of trees and green waste removed from the Project, subgrade preparation including excavation / scarification / recompaction as necessary shall be considered as included in the **LUMP SUM (LS)** price paid for **CLEARING, GRUBBING AND EARTHWORK and** for furnishing all labor, materials, tools, equipment, hauling and incidentals, and no additional compensation will be allowed therefore. Payment will be made on a basis of the percentage of work completed for this bid item.

BID ITEM NO. 7: DEMOLITION & REMOVALS

Demolition and removals shall be performed in accordance with the Plans, and the provisions of Section 401, "Removal", of the Greenbook, and shall include the following:

1. Temporary asphalt concrete patches immediately placed once PCC/AC surfaces are removed and shall be maintained until the replacement improvements are completed, as shown on the plans.
2. Removal of AC millings and excess materials after cold mill / grinding operations.
3. Saw cutting and removal of AC and PCC pavements, cross gutters, driveways, curbs, gutters and sidewalks. Holes resulting from removal of existing poles and posts from existing PCC and AC pavements shall be filled or patched with like materials.
4. Removal of all raised pavement markers not conforming to the approved plan or conflicting with the proposed striping as shown on the plans in accordance with Subsection 312-3, "Removal," of the Greenbook.
5. Removal and disposal of boulders, rocks, bricks, masonry blocks, PCC or any other existing visible items that conflict with proposed improvements.
6. Existing drainage pipes and concrete gutters, where any portion of such structure is within 1 foot of the grading plane in the excavation areas, or within 1 foot of original ground in embankment areas, or where shown on the plans to be removed, shall be completely removed and disposed of accordingly.
7. Removal and disposal of all traffic signal poles and foundations, conduit/conductors, pull boxes, signal cabinets, and other ancillary signal equipment at the Palomar Street / Wildomar Trail and Gruwell Street / Palomar Street intersections.
8. Existing chain link or wrought iron fencing and gates, as indicated on the plans, including meshing, posts, beams, PCC foundations and fasteners shall be properly removed and disposed of accordingly. Posts of fencing to be salvaged shall have the PCC foundations removed and cleaned to be reused during construction.
9. Removal of existing perimeter wall including foundations.
10. Installation of 6- foot high chain link fence around existing Cemetery perimeter, including gates at all pedestrian and vehicular access points. Chain link fencing shall include green privacy slats.
11. Removal of existing signs as noted on the plans and as directed by the Engineer.
12. The Contractor shall dispose all materials not being salvaged outside of the right-of-way and shall pay for all costs for disposal.
13. Removal and disposal of any abandoned utilities that may interfere with the improvements, including blow-offs, fittings, valves, pipe, etc.

Prior to the removal of any existing cemetery masonry wall, fencing, or gates, the contractor shall have a 6-foot high temporary fence installed such that the cemetery is secure with access points to match existing access point conditions. Temporary fence may only be removed after acceptance of the construction of the new cemetery perimeter wall, fencing, and gate improvements by the City.

Stockpiling of materials within the right of way, city parking lots, or other city improved property shall not be allowed unless otherwise approved by the Engineer.

Self-propelled drop hammers will not be allowed for removals.

ASPHALT CONCRETE PAVEMENT REMOVAL AND RECYCLING

The outline area of the asphalt concrete pavement to be removed shall be cut on a neat line with a power-driven saw to minimum depth of 2 in before removing the surfacing in accordance with Section 401-2, “Asphalt Concrete Pavement” of the Greenbook. The Contractor will not be required to sawcut the pavement where the join line or cut line is cold milled.

If the Contractor chooses to remove the asphalt concrete by cold milling then the existing asphalt concrete shall be cold milled or ground in accordance with Section 404, "Cold Milling" of the Greenbook.

Add to Subsection 404-2, "Milling Machine," the following:

> *At least two full time flag persons shall be assigned to the milling machine for traffic control when working on streets open to traffic.*

The Contractor shall take care not to contaminate the millings with non-aggregate base material, including disintegrated granite.

At the City’s request, the Contractor shall provide milled asphalt concrete to the City’s Public Works Maintenance Division at no additional cost to the City.

Asphalt concrete removal associated with curb and gutter, cross gutter and local depression, sidewalk and driveway work will be considered as miscellaneous removals and payment will be considered as included in the price paid for Demolition and Removals.

PORTLAND CEMENT CONCRETE REMOVAL AND RECYCLING

Work shall consist of removal of Portland Concrete Cement (PCC) in conformance with Section 401-3 “Concrete and Masonry Improvements” of the Greenbook.

MEASUREMENT AND PAYMENT

Full compensation for all costs involved in removal of all items shown and/or indicated in the Plans and these technical specifications, and removal of Portland Cement Concrete and Asphalt Concrete removed from the project site shall be considered as included in the **LUMP SUM (LS) price paid for DEMOLITION AND REMOVALS** and for furnishing all labor, materials, tools,

equipment, hauling and incidentals, no additional compensation will be allowed therefore. Contractor shall provide a Schedule of Values at the pre-construction meeting prior to commencement of any Work with the project. The schedule of values will be used for the basis of payment should additional items be requested by the Engineer or other agency.

BID ITEM NO. 8: ADJUST WATER METER BOX TO GRADE (EVMWD)

Adjustment of water meter boxes to grade shall conform to Elsinore Valley Municipal Water District Standard Specifications and their Standard Plans as provided in Appendix B. The Contractor shall remove the existing water meter box and lid and adjust to grade as necessary. The Contractor shall also replace the existing water meter box in kind should the existing water meter box or lid show any damage or cracking to the box or the box lid at no additional costs to the City. Water to private service shall not be shut-off for more than one (1) working day and property owner / tenants shall be notified five (5) working days in advance prior to shut-off. The contract unit price paid per **Each (EA) for ADJUST WATER METER BOX TO GRADE (EVMWD)** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in adjusting water meter boxes to finished grade, complete in place, and no additional compensation will be allowed therefore.

BID ITEM NO. 9: REMOVE EXISTING 1" WATER METER AND INSTALL NEW WATER METER SERVICE (EVMWD)

GENERAL

Removal of the existing 1” water meter and water service and installation of a new 1” water meter and service line shall conform to Elsinore Valley Municipal Water District Standard Specifications and their Standard Plans as provided in Appendix B. Removal of the existing service line shall occur from the existing water meter to the existing corp stop at the water main line connection. Water to private service shall not be shut-off for more than one (1) working day and property owner / tenants shall be notified five (5) working days in advance prior to shut-off. The water meter box and lid shall be adjusted to finished grade conditions. Upon completion of the new service line connection, the Contractor shall develop as-built plans with dimensions to visible topographic features and property lines for each new water service and meter installation to provide to the City and utility.

TRENCH REPAIR AND BACKFILL

Bedding and backfill material shall conform to Section 217 “Bedding and Backfill Materials” and Section 306 “Open Trench Conduit Construction” of the Greenbook. Backfill materials shall consist of a 1 sack cement slurry mix up to the Class II aggregate base.

MEASUREMENT AND PAYMENT

The contract unit price paid per **Each (EA) REMOVE EXISTING 1" WATER METER AND INSTALL NEW WATER METER SERVICE (EVMWD)** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in removal of the existing water service and meter, installation of the new service and meter, and all trenching / backfill work, complete in place, and no additional compensation will be allowed therefore.

BID ITEM NO. 10: ADJUST WATER VALVE CAN TO GRADE (EMWD)

Adjustment of water valve cans to grade for this bid item to shall conform to Eastern Municipal Water District Standard Specifications and their Standard Plans as provided in Appendix C. The Contractor shall remove the existing water valve can and adjust to grade as necessary. The Contractor shall also replace the existing water valve can and lid in kind should the existing water valve can or lid show any damage or cracking to the can or the can lid at no additional costs to the City. The contract unit price paid per **Each (EA) for ADJUST WATER VALVE CAN TO GRADE (EMWD)** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in adjusting water valve cans to finished grade, complete in place, and no additional compensation will be allowed therefore.

BID ITEM NO. 11: ADJUST WATER VALVE CAN TO GRADE (EVMWD)

Adjustment of water valve cans to grade for this bid item shall conform to Elsinore Valley Municipal Water District Standard Specifications and their Standard Plans as provided in Appendix B. The Contractor shall remove the existing water valve can and adjust to grade as necessary. The Contractor shall also replace the existing water valve can and lid in kind should the existing water valve can or lid show any damage or cracking to the can or the can lid at no additional costs to the City. The contract unit price paid **per Each (EA) for ADJUST WATER VALVE CAN TO GRADE (EVMWD)** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in adjusting water valve cans to finished grade, complete in place, and no additional compensation will be allowed therefore.

BID ITEM NO. 12: ADJUST FIRE HYDRANT TO GRADE (EVMWD)

Adjustment of fire hydrants to grade for this bid item shall conform to Elsinore Valley Municipal Water District Standard Specifications and their Standard Plans as provided in Appendix B. The Contractor shall remove the existing fire hydrant, remove and disposal of the existing ductile iron break-off spool and stand pipe, and installation of a new ductile iron break-off spool and stand pipe such that the bottom of the new break-off spool will be 3” from the proposed finished grades as shown and indicated on the Plans. Water to the fire service shall not be shut-off for more than one (1) working day and property owner / tenants shall be notified five (5) working days in advance prior to shut-off. The contract unit price paid **per Each (EA) for ADJUST FIRE HYDRANT TO GRADE (EVMWD)** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in adjusting water valve cans to finished grade, complete in place, and no additional compensation will be allowed therefore.

BID ITEM NO. 13: RELOCATE FIRE HYDRANT (EVMWD)

Removal and relocation of the existing fire hydrant shall conform to Elsinore Valley Municipal Water District Standard Specifications and their Standard Plans as provided in Appendix B. Relocation of the existing fire hydrant includes removal of the existing fire hydrant, removal and disposal of the ductile iron break-off spool and standpipe, and installation of new ductile iron pipe and fittings, including a new break-off spool and standpipe such that the bottom of the new break-off spool will be 3” from the proposed finished grades as shown and indicated on the Plans. Water to the fire service shall not be shut-off for more than one (1) working day and property owner / tenants shall be notified five (5) working days in advance prior to shut-off. Upon completion of

the relocation of the existing fire hydrant, the Contractor shall develop as-built plans with dimensions to visible topographic features and property lines for each relocated fire hydrant service to provide to the City and utility.

TRENCH REPAIR AND BACKFILL

Bedding and backfill material shall conform to Section 217 “Bedding and Backfill Materials” and Section 306 “Open Trench Conduit Construction” of the Greenbook. Backfill materials shall consist of a 1 sack cement slurry mix up to six (6) inches below finished grades as shown and indicated on the Plans.

MEASUREMENT AND PAYMENT

The contract unit price paid per **Each (EA) for RELOCATE FIRE HYDRANT (EVMWD)** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in removal and relocation of the existing fire hydrant, complete in place, and no additional compensation will be allowed therefore.

BID ITEM NO. 14: REMOVE, RELOCATE AND INSTALL 6" AND 8” AIR VACUUM / AIR RELIEF ASSEMBLY (EVMWD)

Removal and relocation of the existing 6” or 8” air vacuum / air relief assembly shall conform to Elsinore Valley Municipal Water District Standard Specifications and their Standard Plans as provided in Appendix B. Relocation of the existing 6” or 8” air vacuum / air relief assembly shall include removal of the existing air vacuum / air relief assembly, removal and disposal of any unusable ductile iron pipe and fittings, and installation of new ductile iron pipe and fittings such that the bottom of the flanged fitting of the existing air vacuum / air relief assembly will be 3” from the proposed finished grades as shown and indicated on the Plans. Water to the air vacuum / air relief service shall not be shut-off for more than one (1) working day and property owner / tenants shall be notified five (5) working days in advance prior to shut-off. Upon completion of the relocation of the air vacuum / air relief assembly, the Contractor shall develop as-built plans with dimensions to visible topographic features and property lines for each relocated fire hydrant service to provide to the City and utility.

TRENCH REPAIR AND BACKFILL

Bedding and backfill material shall conform to Section 217 “Bedding and Backfill Materials” and Section 306 “Open Trench Conduit Construction” of the Greenbook. Backfill materials shall consist of a 1 sack cement slurry mix up to six (6) inches below finished grades as shown and indicated on the Plans.

MEASUREMENT AND PAYMENT

The contract unit price paid per **Each (EA) for REMOVE, RELOCATE AND INSTALL 6" & 8” AIR VACUUM / AIR RELIEF ASSEMBLY (EVMWD)** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in removal and relocation of the existing air vacuum / air relief assembly, complete in place, and no additional compensation will be allowed therefore.

BID ITEM NO. 15: REMOVE, RELOCATE AND INSTALL 6" & 8" BLOW OFF ASSEMBLY (EVMWD)

Removal and relocation of the existing 6" or 8" blow off assembly shall conform to Elsinore Valley Municipal Water District Standard Specifications and their Standard Plans as provided in Appendix B. Relocation of the existing 6" or 8" blow off assembly shall include removal of the existing blow off assembly, removal and disposal of any unusable ductile iron pipe and fittings, and installation of new ductile iron pipe and fittings such that the bottom of the flanged fitting of the existing blow off assembly will be 3" from the proposed finished grades as shown and indicated on the Plans. Water to the blow off assembly shall not be shut-off for more than one (1) working day and property owner / tenants shall be notified five (5) working days in advance prior to shut-off. Upon completion of the relocation of the blow off assembly, the Contractor shall develop as-built plans with dimensions to visible topographic features and property lines for each relocated fire hydrant service to provide to the City and utility.

TRENCH REPAIR AND BACKFILL

Bedding and backfill material shall conform to Section 217 "Bedding and Backfill Materials" and Section 306 "Open Trench Conduit Construction" of the Greenbook. Backfill materials shall consist of a 1 sack cement slurry mix up to six (6) inches below finished grades as shown and indicated on the Plans.

MEASUREMENT AND PAYMENT

The contract unit price paid per **Each (EA) for REMOVE, RELOCATE AND INSTALL 6" & 8" BLOW OFF ASSEMBLY (EVMWD)** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in removal and relocation of the existing blow off assembly, complete in place, and no additional compensation will be allowed therefore.

BID ITEM NO. 16: INSTALL NEW PULL BOX AND EXTEND CONDUCTORS / CONDUIT

Installation of new electrical pull boxes, conduit, and conductors shall conform to Part 7 "Street Lighting and Traffic Signal Systems". Work shall include removal and disposal of the pull box, conduit within conflict of the new improvements, and conductors to the existing electric panel, and installation of a new electric pull box, conduit and conductors to the existing electric panel. The pull box lid shall be flush with finished grades as shown and indicated on the Plans. The electric circuit energizing these conductors shall not be shut-off for more than one (1) working day and property owner/tenants shall be notified five (5) working days in advance prior to shut-off. Upon completion of the relocation of the blow off assembly, the Contractor shall develop as-built plans with dimensions to visible topographic features and property lines for each relocated fire hydrant service to provide to the City and utility.

MATERIALS

Pull boxes, pull box covers, and pull box extensions shall be concrete.

TRENCH REPAIR AND BACKFILL

Bedding and backfill material shall conform to Section 217 “Bedding and Backfill Materials” and Section 306 “Open Trench Conduit Construction” of the Greenbook. Backfill materials shall consist of a 1 sack cement slurry mix up to six (6) inches below finished grades as shown and indicated on the Plans. A minimum of 12 inches of gravel or crushed rock shall be placed in the bottom of all pull boxes.

MEASUREMENT AND PAYMENT

Full compensation for all costs involved in removal of existing pull box and conduit / conductors, installation of a new electric pull box and conduit / conductors, and all items shown and/or indicated in the Plans and these technical specifications, shall be considered as included in the **LUMP SUM (LS) price paid for INSTALL NEW PULL BOX AND EXTEND CONDUCTORS / CONDUIT** for furnishing all labor, materials, tools, equipment, hauling and incidentals, no additional compensation will be allowed therefore.

BID ITEM NO. 17: PLACE AND COMPACT CRUSHED AGGREGATE BASE

Crushed Aggregate Base, and shall conform to the requirements of Sections 200-2.2 “Crushed Aggregate Base” and Section 301-2 “ of the Greenbook and these Technical Specifications.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Cubic Yard (CY)** for **PLACE AND COMPACT CLASS II AGGREGATE BASE**, which shall include all materials, labor, tools, trucking, equipment, and no additional compensation will be allowed. All measurement shall be in terms of in-place volumes based on dimensions in the Plans and as agreed upon by the Engineer.

BID ITEM NO. 18: PLACE AND COMPACT DECOMPOSED GRANITE TRAIL

Decomposed granite shall conform to the requirements of Sections 20-5.03D “Decomposed Granite” of the Caltrans Standard Specifications, 2022 edition and these Technical Specifications. Concrete included in the header shall conform to Sections 201-1 “Portland Cement Concrete and 303-5 ”Concrete Curbs, Walks, Gutters, Cross Gutters, Alley Intersections, Ramps, and Driveways” of the Greenbook and these Technical Specifications.

GENERAL

This bid item includes all work, materials and labor associated with preparation of subgrade, installation of concrete headers, installation of the decomposed granite, final cleanup and removals of excess materials. A 6” x 6” PCC header shall be installed along the limits of the decomposed granite trail, unless adjacent to a pcc curb, curb and gutter, or sidewalk where those facilities will act as the PCC header.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **PLACE AND COMPACT DECOMPOSED GRANITE TRAIL**, which shall include all materials, labor, tools, trucking, equipment, and no additional compensation will be allowed. All measurement shall be in terms of in-place volumes based on dimensions in the Plans and as agreed upon by the Engineer.

BID ITEM NO. 19: PAVEMENT REINFORCEMENT FABRIC

GENERAL

Pavement reinforcement fabric shall be the InterAx® NX850™ Geogrid manufactured by Tensar, a Division of CMC or approved equal that meets the following requirements:

1. Aperture Shape – Interlocking Hexagonal, Trapezoidal, & Triangular.
2. Structure – Coextruded and Integrally Formed.
3. Rib Shape – Rectangular.
4. Continuous Parallel Rib Pitch – 80 mm (3.2 in).
5. Rib Aspect Ratio – Greater than 1.
6. Node Thickness – 4.5 mm (0.18 in).
7. Color – Black.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor provide product sheet, manufacturer's information, and manufacturer's recommendations for installation for approval. Additionally, the Contractor shall provide proof of utility markings to the Engineer for approval prior to excavation of soils/materials and site preparation.

PLACEMENT

On-site storage, preparation of grades/site, installation/placement, tensioning/pinning, dumping and spreading of aggregate base, and compaction shall shall be in accordance with manufacturer's recommendation. At a minimum, the Contractor shall utilize the following guidelines for this specified product.

https://www.tensarcorp.com/getattachment/1976cd91-eab7-4458-84ce-414a3a8c7641/NX_IG_OVERVIEW_1-22.pdf

Note: Shallow utilities exist within the limits of where this bid item is implemented on the plans. The Contractor shall not overexcavate subgrade where shallow utilities are marked and identified and all subgrade compaction within 36" laterally of utilities shall be manually compacted and without vehicles prior to the installation of pavement reinforcement fabric and aggregate base.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **INSTALL PAVEMENT REINFORCEMENT FABRIC**, which shall include all materials, labor, tools, trucking, equipment, and no additional compensation will be allowed. All measurement shall be in terms of in-place volumes based on dimensions in the Plans and as agreed upon by the Engineer.

BID ITEM NO. 20: INSTALL STORMWATER MEMBRANE FILTRATION DEVICE IN EXISTING DROP INLET STRUCTURE

The storm water biofiltration devices will be installed for biofiltration of stormwater runoff including dry weather flows in order to satisfy the San Diego Regional Water Quality Control Board MS4 permit requirements.

GENERAL

The stormwater membrane filtration device shall be the Curb Inlet Filter and Filter Media Kraken Filter Type Product Number BIO-CURB-KMF-23 manufactured by Contech Engineered Solutions, Inc. or approved equal that meets the following requirements:

1. Size and Installation – Must fit entirely within the existing curb opening inlet structures as shown and indicated in the Plans. Stormwater membrane filtration device must mount to the existing curb opening inlet structure in a similar manner as the proposed product noted above.
2. Accessibility – Must be accessible to perform recommended routine maintenance and cleaning, replacement of filter media, and as necessary repairs from the existing manhole located on top of the existing curb opening inlet structures.
3. Certifications – Must be certified through the Emerging Stormwater Treatment Technologies (TAPE) Program issued by the Washington State Department of Ecology. Proof of certification must be provided by the Contractor.
4. Treatment Effectiveness – At a minimum, the stormwater membrane filtration device shall prevent / treat the following pollutants at the percentages listed below:
    a. Sediment – 80% or greater
    b. Trash – 100%
    c. Foliage – 100%
    d. Fine Total Suspended Solids – 85% or greater
    e. Zinc – 58% or greater
    f. Copper – 52% or greater
    g. Lead – 87% or greater
    h. Fecal Coliform – 60% or greater
    i. Oils and greases – 81% or greater
    j. Dissolved Phosphorus – 72% or greater

    Proof of these testing results for all requested “or equal” products shall be submitted to the City for review and approval, and all tests must be performed under a nationally recognized lab protocol from an accredited laboratory.

5. All “or equal” submittals must have the manufacturer demonstrate proof of these systems implemented within the San Diego Regional Water Quality Control Board for a minimum of five (5) years, and have a successful production acceptable to the City.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings and calculations stamped and signed by a CA Registered Civil Engineer. Shop drawings and calculations shall detail the stormwater membrane filtration device and all components required and the sequence for installation, including;

1. System configuration and primary dimensions.
2. Interior components.
3. Stormwater treatment capacity.
4. Connections to existing curb opening inlet structure.
5. Any accessory equipment called out on shop drawings.
6. Documentation of pollutant removal efficiency.
7. Inspection and maintenance documentation submitted to the City for review.
8. Work Plan.

Installation of stormwater membrane filtration device shall be completed per manufacturer installation guidelines with the manufacturer to supply components of the stormwater membrane filtration device.

REFERENCE STANDARDS

1. ASTM C891: Standard Specification for Installation of Underground Precast Concrete Utility Structures
2. ASTM C478: Standard Specification for Precast Reinforced Concrete Manhole Sections
3. ASTM C990: Standard Specification for Joints for Concrete Manholes Using Preformed Flexible Joint Sealants
4. ASTM D4101: Standard Specification for Polypropylene Injection and Extrusion Materials
5. ASTM C858: Standard Specification of Underground Precast Concrete Utility Structures
6. ASTM C857: Standard Practice for Minimum Structural Design Loading for Underground Precast Concrete Utility Structures
7. ASTM D638: Standard Test Method for Tensile Properties of Plastics 1.5.8. ASTM D56: Standard Method for Determining the Izod Pendulum Impact Resistance of Plastics
8. ASTM D50: Standard Test Method for Water Absorption of Plastic
9. ASTM D92: Standard Test Methods for Density and Specific Gravity of Plastics by Displacement
10. ASTM 790: Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
11. ASTM 648: Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position

INSPECTION

Prior to installation, all inlets to receive a filter shall be thoroughly cleaned and cleared of all debris and other materials. After installation, the Contractor shall demonstrate that the stormwater membrane filtration device has been properly installed at the correct location(s), elevations, and with appropriate components as noted on the Plans. All components associated with the stormwater membrane filtration device and its installation shall be subject to inspection by the Engineer at the place of installation. In addition, the Contractor shall demonstrate that the stormwater membrane filtration device has been installed per the manufacturer's specifications and recommendations. All components shall be inspected by a qualified person once a year and results of inspection shall be kept in an inspection log.

QUALITY ASSURANCE

Contractor shall maintain the filters as recommended by the manufacturer until a Notice of Completion for the project has been filed and the City takes over the maintenance. If the filter has not be adequately maintained and any part of the filter becomes damaged, the Contractor shall replace the damaged parts at no additional cost to the City.

Warranty

The Manufacturer shall guarantee the stormwater membrane filtration device against all manufacturing defects in materials and workmanship for a period of (5) years from the date of delivery to the project site. The manufacturer shall be notified of repair or replacement issues in writing within the warranty period.

Performance Certification

The stormwater membrane filtration device manufacturer shall submit to the Engineer a "Manufacturer's Performance Certificate" certifying the device is capable of achieving the specified removal efficiency for suspended solids, phosphorous and dissolved metals.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Each (EA) for INSTALL STORMWATER MEMBRANE FILTRATION DEVICE IN EXISTING DROP INLET STRUCTURE** shall include full compensation for all work including but not limited to, furnishing each device, connections to existing curb opening inlet structure, all materials and components, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 21: INSTALL CORRUGATED HDPE PIPE

Corrugated HDPE Pipe shall conform to the requirements of Section 20 of the Caltrans Standard Specifications, 2022 edition and these Technical Specifications.

Installation of new HDPE pipe shall include all excavation to lines and grades shown on the plans. Corrugated steel pipe shall be placed to provide a 1% minimum longitudinal grade along the invert of the pipe to provide positive drainage in the direction as shown and indicated on the Plans. Prior to placing backfill and compaction over corrugated steel pipe, Contractor shall request inspection by the City to verify positive drainage as intended in the Plans. Driveway closure to excavate, install new HDPE pipe, and backfill and compact cannot exceed three (3) calendar days and residents within 500 feet of the driveway shall be notified five (5) working days in advance prior to closure. All backfill and compaction shall be included within the work for this bid item.

TRENCH REPAIR AND BACKFILL

Bedding and backfill material shall conform to Section 217 “Bedding and Backfill Materials” and Section 306 “Open Trench Conduit Construction” of the Greenbook.

MEASUREMENT AND PAYMENT

The contract unit price paid per **Lineal Foot (LF)** for **INSTALL HDPE PIPE** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in installation of new corrugated steel pipe.

BID ITEM NO. 22: INSTALL CORRUGATED STEEL PIPE ENTRANCE TAPER

Corrugated Steel Pipe Entrance Taper shall conform to the requirements of Section 66 of the Caltrans Standard Specifications, 2022 edition and these Technical Specifications.

Installation of new corrugated steel pipe entrance taper shall include all excavation to lines and grades shown on the Plans. All backfill and compaction shall be included within the work for this bid item.

COATING

A bituminous protective coating shall be applied to the Corrugated Steel Pipe in conformance with Section 66-1.02C Protective Coatings, Linings, and Paving of the Caltrans Standard Specifications, 2022 edition.

TRENCH REPAIR AND BACKFILL

Bedding and backfill material shall conform to Section 217 “Bedding and Backfill Materials” and Section 306 “Open Trench Conduit Construction” of the Greenbook.

MEASUREMENT AND PAYMENT

The contract unit price paid per **Each (EA)** for **INSTALL CORRUGATED STEEL PIPE ENTRANCE TAPER** shall include full compensation for furnishing all labor, materials, tools, and equipment, and for doing all the work involved in installation of new corrugated steel pipe.

BID ITEM NO. 23: CONSTRUCT MULTI-USE TRAIL FENCE

GENERAL

The multi-use trail fence shall be the Woodcrete Rails product manufactured by American Pre-Cast Concrete, Inc. or approved equal that meets the following requirements:

1. Size and Installation – General sizes and dimensions must fit within the following criteria:
    a. Height – The height of the top of the fence from finished grades as shown or indicated on the Plans must not exceed 4'-6" and must be a minimum of 4'-0". The City's preferred height is 4'-0".
    b. Line Posts
        i. Dimensions – Must be a minimum of 5" wide by 5" thickness. All columns shall be uniform in width and thickness.
        ii. Embedment / Footing Dimensions – Including a minimum of a 3" clearance from the bottom of the footing to the bottom of the line post, the bottom of the footing must be embedded below finished grades as shown or indicated on the Plans a minimum of 2'-0" deep.
        iii. Spacing – Spacing of line posts may not exceed 8'-0" from center of post to center of post, and must be a minimum of 6'-0" from center of post to center of post.
    c. Rails
        i. General - There must be a minimum of 3 rails between each line post. The top rail shall be a minimum of 3" and not exceed 4" from the top of the line post to the top of the railing. Spacing between the top and bottom railings must be between 8" and 10".
        ii. Dimensions – Must have a minimum height of 5" and a maximum height of 6" and a minimum thickness of 2-1/2". All rails shall be uniform in height and thickness.
    d. For any or equal submittal, the Contractor shall submit calculations in conformance with the California Building Code for all line posts and terminal posts. Said calculations shall be signed and stamped by a California registered civil engineer. There shall be no additional compensation for footings that exceed the diameter, depth or embedment as specified herein and shown on the plans.
2. PCC Concrete – All line posts and rails shall be PCC concrete with a minimum 30 day compressive strength of 3,000 psi.
3. Aesthetics
    a. Finish – Must have a exterior wood grained finish.
    b. Color – Shall be Sequoia Sand (Color Number 641) based upon the Woodcrete Rails product.
4. All "or equal" submittals must have the manufacturer demonstrate proof of the multi-use trail fence has been implemented within Riverside County or San Diego County for a minimum of five (5) years, and products installed are in good working condition acceptable to the City.

Work included with this bid item includes excavation for footings, delivery of all products, installation of the line posts / footings / steel reinforcement, and installation of the rails. Prior to installation, Contractor shall inspect all materials provided by the manufacturer and remove / dispose all damaged or defective products at no additional cost to the City. All products damaged

during installation shall be removed, disposed and replaced at no additional cost to the City. Preferred line post spacing shall not exceed 8'-0" spacing from center of line post to center of line post, and generally shall be uniform in spacing between end line posts. At end line post conditions, spacing shall be uniform between the adjacent four (4) line posts, if total spacing between end posts does not allow for this condition to be provided by the Contractor, spacing between line posts shall be uniform from end post to end post such that spacing does not exceed 8'-0".

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings and calculations stamped and signed by a CA Registered Civil Engineer. Shop drawings and calculations shall detail the multi-use trail fence and all components required and the sequence for installation, including:

1. Typical line post, railing, and foundation details
2. Typical end post spacing conditions
3. Seismic and wind loading calculations
4. Work Plan

Installation of multi-use trail fence shall be completed per manufacturer installation guidelines with the manufacturer to supply components of the multi-use trail fence.

FOUNDATIONS

PCC concrete and steel reinforcement for line post footings shall be per Section 201 "Concrete, Mortar, and Related Items" of the Greenbook.

INSPECTION

After installation, the Contractor shall demonstrate that there are no damaged or deficient products and the multi-use trail has been properly installed at the correct location(s), elevations, and with appropriate components as noted on the Plans. All components shall be inspected by a qualified person once a year and results of inspection shall be kept in an inspection log.

QUALITY ASSURANCE / WARRANTY

The Manufacturer shall guarantee the multi-use trail fence against all manufacturing defects in materials and workmanship for a period of (5) years from the date of delivery to the project site. The manufacturer shall be notified of repair or replacement issues in writing within the warranty period.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF) for CONSTRUCT MULTI-USE TRAIL FENCE** shall include full compensation for all work including but not limited to, furnishing all materials, excavation for and construction of line post foundations, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof,

complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 24: CONSTRUCT TYPE A-6 PCC CURB AND GUTTER

Remove the second paragraph of Section 303-5.1.1 of the Greenbook and add the following:

Type A-6 curbs & gutters shall be constructed in accordance with Riverside County Standard Drawing 200. PCC curbs and gutter work shall satisfy the following as applicable:

1. Formwork shall be approved by the Engineer before placing PCC.
2. Shapes and sizes of PCC curbs and gutters shall be as indicated on the drawings and the concrete shall be placed in such a manner as to prevent distortion of the forms and shall be vibrated as required to ensure an acceptable product.
3. The completed curb and gutter shall be protected from damage until accepted.
4. Where any curb and gutter requires repair before acceptance, the repair shall be made by removing and replacing the entire curb and gutter between joints and not by refinishing the damaged portion.

Insert the following after the last paragraph of Section 303-5.5.4 Gutter of the Greenbook:

Prior to final acceptance, or as part of the preliminary final inspection, the Contractor, as directed by the Engineer, shall water test gutters and v-ditches on slopes of 0.50% or flatter and paved surfaces to verify proper drainage. Any ponding greater than ¼ inch will be considered as evidence of poor work techniques and shall be corrected by the Contractor in a manner to be approved by the Engineer, at no additional expense to the City and no additional compensation will be allowed. Full compensation for conducting the water test, including furnishing and applying water, shall be considered as included in the contract prices paid for the various items of work and no separate payment will be made therefor.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF) for CONSTRUCT TYPE A-6 PCC CURB AND GUTTER** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 25: CONSTRUCT TYPE A-8 PCC CURB AND GUTTER

Add the following to Section 303-5.1.1 of the Greenbook:

Type A-8 curbs & gutters shall be constructed in accordance with Riverside County Standard Drawing 201. PCC curbs and gutter work shall satisfy the following as applicable:

1. Formwork shall be approved by the Engineer before placing PCC.

2. Shapes and sizes of PCC curbs and gutters shall be as indicated on the drawings and the concrete shall be placed in such a manner as to prevent distortion of the forms and shall be vibrated as required to ensure an acceptable product.
3. The completed curb and gutter shall be protected from damage until accepted.
4. Where any curb and gutter require repair before acceptance, the repair shall be made by removing and replacing the entire curb and gutter between joints and not by refinishing the damaged portion.

Insert the following after the last paragraph of Section 303-5.5.4 Gutter of the Greenbook:

Prior to final acceptance, or as part of the preliminary final inspection, the Contractor, as directed by the Engineer, shall water test gutters and v-ditches on slopes of 0.50% or flatter and paved surfaces to verify proper drainage. Any ponding greater than ¼ inch will be considered as evidence of poor work techniques and shall be corrected by the Contractor in a manner to be approved by the Engineer, at no additional expense to the City and no additional compensation will be allowed. Full compensation for conducting the water test, including furnishing and applying water, shall be considered as included in the contract prices paid for the various items of work and no separate payment will be made therefore.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF) for CONSTRUCT TYPE A-8 PCC CURB AND GUTTER** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 26: CONSTRUCT TYPE D PCC CURB

Add the following to Section 303-5.1.1 of the Greenbook:

Type D curb shall be constructed in accordance with Riverside County Standard Drawing 204. PCC curb work shall satisfy the following as applicable:

1. Formwork shall be approved by the Engineer before placing PCC.
2. Shapes and sizes of PCC curb shall be as indicated on the drawings and the concrete shall be placed in such a manner as to prevent distortion of the forms and shall be vibrated as required to ensure an acceptable product.
3. The completed curb shall be protected from damage until accepted.
4. Where any curb requires repair before acceptance, the repair shall be made by removing and replacing the entire curb and gutter between joints and not by refinishing the damaged portion.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF) for CONSTRUCT TYPE D PCC CURB** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the

work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 27: CONSTRUCT PCC RETAINING CURB

Add the following to Section 303-5.1.1 of the Greenbook:

PCC Retaining curb work shall satisfy the following as applicable:

1. Formwork shall be approved by the Engineer before placing PCC.
2. Shapes and sizes of PCC curb shall be as indicated on the drawings and the concrete shall be placed in such a manner as to prevent distortion of the forms and shall be vibrated as required to ensure an acceptable product.
3. The completed curb shall be protected from damage until accepted.
4. Where any curb requires repair before acceptance, the repair shall be made by removing and replacing the entire curb and gutter between joints and not by refinishing the damaged portion.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF) for CONSTRUCT PCC RETAINING CURB** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 28: INSTALL PCC WHEEL STOP

PCC Wheel Stops mix shall be 520-C-3250 and shall conform to Section 201 and 303 of the Greenbook.

Payment shall be made at the Contract Unit Price per **Each (EA) for INSTALL PCC WHEEL STOP** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 29: CONSTRUCT 8" THICK PCC CROSS GUTTER / SPANDREL

PCC Cross Gutter / Spandrel Work shall be constructed in accordance with Riverside County Standard Drawings 209 and as modified in the Plans and shall also conform to the requirements of Section 303-5 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **CONSTRUCT 8" THICK PCC CROSS GUTTER / SPANDREL** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals

necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 30: CONSTRUCT 8" THICK MODIFIED PCC COMMERCIAL DRIVEWAY APRON

PCC Commercial Driveway Work shall be constructed in accordance with Riverside County Standard Drawing 207A and as modified in the Plans and shall also conform to the requirements of Section 303-5 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

The PCC commercial driveway surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities. From removal of existing driveways through formwork and construction, the Contractor may not close any driveway longer than Three (3) consecutive Calendar Days. **Contractor shall take notice of Bid Item No. 3 Construction Area Traffic Control of these Technical Specifications for additional requirements and provisions for driveway closures during construction.**

MIX AND ADDITIVES

Driveway design shall be a rapid set high early strength design. Mix design for all commercial driveway aprons shall be 650-CW-4000.

Add the following to the 2nd paragraph of Subsection 201-1.1.4 Concrete Specified by Compressive Strength of the Greenbook:

Calcium Chloride shall be used for all commercial driveway aprons in accordance with 201-1.2.4 Chemical Admixtures of the Greenbook.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 8" THICK MODIFIED PCC COMMERCIAL DRIVEWAY APRON** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 31: CONSTRUCT 6" THICK MODIFIED PCC RESIDENTIAL DRIVEWAY APRON

PCC Residential Driveway Work shall be constructed in accordance with Standard Plans for Public Works Construction Standard Drawing 111-2, Case III and as modified in the Plans and shall also conform to the requirements of Section 303-5 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

The PCC residential driveway surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags,

blemishes, or other irregularities. From removal of existing driveways through formwork and construction, the Contractor may not close any driveway longer than seven (7) consecutive Calendar Days. **Contractor shall take notice of Bid Item No. 3 Construction Area Traffic Control of these Technical Specifications for additional requirements and provisions for driveway closures during construction.**

MIX AND ADDITIVES

Driveway design shall be a rapid set high early strength design. Mix design for all residential driveway aprons shall be 650-CW-4000.

Add the following to the 2nd paragraph of Subsection 201-1.1.4 Concrete Specified by Compressive Strength of the Greenbook:

Calcium Chloride shall be used for all residential driveway aprons in accordance with 201-1.2.4 Chemical Admixtures of the Greenbook.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 6" THICK MODIFIED PCC RESIDENTIAL DRIVEWAY APRON** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 32: CONSTRUCT PCC PARKWAY DRAIN

PCC parkway drain Work shall be constructed in accordance with Standard Plans for Public Works Construction Drawing 151-3 and as modified in the Plans and shall also conform to the requirements of Section 303-1 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Each (EA) for CONSTRUCT PCC PARKWAY DRAIN** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 33: CONSTRUCT 4" PCC SIDEWALK

PCC sidewalk Work shall be constructed in accordance with Riverside County Standard Drawing 401 and as modified in the Plans and shall also conform to the requirements of Section 303-5 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

The PCC sidewalk surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 4" PCC SIDEWALK** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 34: CONSTRUCT PCC CURB RAMP

PCC Curb Ramp Work shall be constructed in accordance with Caltrans Standard Drawing A88A with cases noted on the Plans and as modified in the Plans. PCC Curb Ramp work shall also conform to the requirements of Section 73 of the Caltrans Standard Specifications, 2022 edition and these Technical Specifications.

The PCC curb ramp surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT PCC CURB RAMP** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 35: CONSTRUCT 6" THICK PCC PAVEMENT

PCC pavement at driveway locations Work shall conform to the requirements of Section 303-5 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

The PCC pavement surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

MIX AND ADDITIVES

PCC pavement at driveways design shall be a rapid set high early strength design. Mix design for all PCC pavement at driveways shall be 650-CW-4000.

Add the following to the 2nd paragraph of Subsection 201-1.1.4 Concrete Specified by Compressive Strength of the Greenbook:

Calcium Chloride shall be used for all PCC pavement at driveways in accordance with 201-1.2.4 Chemical Admixtures of the Greenbook.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 6" THICK PCC PAVEMENT** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 36: CONSTRUCT 6" THICK DECORATIVE PCC PAVEMENT

PCC Decorative Pavement Work shall conform to the requirements of Section 303-4.2 and 303-5 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

GENERAL

Decorative PCC Pavement work shall consist of a 6” slab with decorative brick trim and spaced internally at 10’-0” intervals in lieu of cold joints.

The PCC pavement and decorative brick border/internal band surfaces shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

PCC CONCRETE PAVEMENT

Decorative PCC pavement at driveways design shall be a rapid set high early strength design. Mix design for all PCC pavement at driveways shall be 650-CW-4000. No integral colors shall be added.

Add the following to the 2nd paragraph of Subsection 201-1.1.4 Concrete Specified by Compressive Strength of the Greenbook:

Calcium Chloride shall be used for all decorative PCC pavement at driveways in accordance with 201-1.2.4 Chemical Admixtures of the Greenbook.

BRICK MASONRY

Masonry Brick shall be standard size (3-5/8” wide x 2-1/4” thick x 8” long) and terracotta colored.

Masonry brick placement shall conform as follows:

1. General Placement – Brick top surface shall be flush with adjacent top surface of pcc concrete driveway pavement. Additionally, bricks shall be placed in a ½” thick mortar surface with a minimum 4” thick PCC concrete base (520-C-3250 mix design)

monolithically poured with the decorative PCC pavement under the brick and ½" mortar base.

2. Exterior border – Bricks shall be placed such that it creates an 8" exterior border along the PCC pavement with the 8" long side installed perpendicular to the PCC pavement sidelines.
3. Internal bands – Bricks shall be placed such that it creates 8" internal bands generally spaced at equal intervals (10'-0" maximum, 8'-0" minimum) along the PCC pavement driveway with the 8" long side installed parallel with the length of the PCC pavement driveway.

SUBMITTALS

Prior to ordering brick, the Contractor shall deliver physical samples to the City for approval by the Engineer. Prior to installation and ordering materials, the Contractor must provide a shop drawing illustrating placement of the masonry brick border and internal bands and inside width of PCC pavement to the City for approval by the Engineer.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 6" THICK DECORATIVE PCC PAVEMENT** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 37: CONSTRUCT 6" THICK PCC BUS SHELTER PAD

PCC bus shelter pad shall conform to the requirements of Section 303-5 of the Greenbook and these Technical Specifications.

The PCC bus shelter pad surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

THIRD PARTY COORDINATION

The Contractor shall notify Riverside Transit Authority a minimum of two (2) weeks in advance before scheduling any construction to establish temporary bus stop locations / bus route modifications.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 6" THICK PCC BUS SHELTER PAD** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, including third party coordination, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 38: CONSTRUCT 8" THICK PCC BUS TURN OUT

PCC bus turnout shall be constructed in accordance with Riverside County Standard Drawing 814 and as modified in the Plans and shall conform to the requirements of Section 303-5 of the Greenbook and these Technical Specifications.

The PCC bus turnout surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

THIRD PARTY COORDINATION

The Contractor shall notify Riverside Transit Authority a minimum of two (2) weeks in advance before scheduling any construction to allow for establishing temporary bus stop locations / bus route modifications.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 8" THICK PCC BUS TURN OUT** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, including third party coordination, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 39: CONSTRUCT 8" THICK PCC BUS APRON

PCC bus apron shall conform to the requirements of Section 303-5 of the Greenbook and these Technical Specifications.

The PCC bus apron surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

THIRD PARTY COORDINATION

The Contractor shall notify Riverside Transit Authority a minimum of two (2) weeks in advance before scheduling any construction to establish temporary bus stop locations / bus route modifications.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 8" THICK PCC BUS APRON** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, including third party coordination, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 40: CONSTRUCT 4" THICK PCC MEDIAN TO MATCH EXISTING

PCC median shall conform to the requirements of Section 303-5 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

The PCC median surface shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF) for CONSTRUCT 4" THICK PCC MEDIAN TO MATCH EXISTING** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 41: SLURRY SEAL

Slurry Seal shall conform to the requirements of Section 302-4 “Slurry Seal Surfacing” of the Greenbook and these Technical Specifications.

General

Asphalt binders for Slurry Seal shall be rubberized emulsion-aggregate slurry (REAS).

Add the following after the last paragraph of SPPWA Section 302-4.1 General:

Prior to applying slurry seal surface to existing pavement coat, the Contractor shall ensure the existing roadway surface is free and clear of debris and other materials to the satisfaction of the Engineer.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **TON (TN)** for **SLURRY SEAL PAVEMENT** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and no additional compensation will be allowed.

BID ITEM NO. 42: COLD MILL AC PAVEMENT

Cold Mill AC Pavement shall conform to the requirements of Section 404 of the Greenbook, standard plans and details as indicated in the Plans, and these Technical Specifications.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **COLD MILL AC PAVEMENT** shall include full compensation for all work including but not limited to, furnishing all

materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, including removal and recycling / disposal of the AC millings and accepted and no additional compensation will be allowed.

BID ITEM NO. 43: CONSTRUCT TYPE III-B2-PG64-10 HMA CONCRETE BASE COURSE

Base course asphalt concrete pavement shall conform to the requirements of Section 302-5 Asphalt Concrete Pavement of the Greenbook, the construction plans and these Technical Specifications.

GENERAL

All streets shall be constructed in the stages as indicated in Bid Item No. 3 Construction Area Traffic Control of these Technical Specifications and per the approved Traffic Control Plans to be developed by the Contractor.

At all locations where new asphalt concrete pavement is joining existing asphalt pavement, the Contractor shall sawcut and cold mill/grind existing pavement to provide straight neat lines and place the new asphalt concrete to form a smooth transition.

MEASUREMENT AND PAYMENT

All measurements shall be in terms of in-place volumes based on the Plans and as agreed upon by the Engineer.

Payment shall be made at the Contract Unit Price per **Ton (TN)** for **CONSTRUCT TYPE III-B2-PG64-10 HMA CONCRETE BASE COURSE** and shall include all materials, labor, tools, and equipment, furnishing and applying tack coat and prime coat, furnishing and placement of asphalt concrete leveling course, where needed, constructing tapered edges, complete in place, and no additional compensation will be allowed.

BID ITEM NO. 44: CONSTRUCT TYPE III-C3-PG64-16 HMA CONCRETE SURFACE COURSE

Surface course asphalt concrete pavement for parking areas and nonpublic street drive aisles shall conform to the requirements of Section 302-5 Asphalt Concrete Pavement of the Greenbook and these Technical Specifications.

GENERAL

All streets shall be constructed in the stages as indicated in Bid Item No. 3 Construction Area Traffic Control of these Technical Specifications and per the approved Traffic Control Plans to be developed by the Contractor.

At all locations where new asphalt concrete pavement is joining existing asphalt pavement, the Contractor shall sawcut and cold mill/grind existing pavement to provide straight neat lines and place the new asphalt concrete to form a smooth transition.

MEASUREMENT AND PAYMENT

All measurement shall be in terms of in-place volumes based on the Plans and as agreed upon by the Engineer.

Payment shall be made at the Contract Unit Price per **Ton (TN)** for **CONSTRUCT TYPE III-C3-PG64-16 HMA CONCRETE SURFACE COURSE** and shall include all materials, labor, tools, and equipment, furnishing and applying tack coat and prime coat, furnishing and placement of asphalt concrete leveling course, where needed, constructing tapered edges, complete in place, and no additional compensation will be allowed.

BID ITEM NO. 45: CONSTRUCT ARHM-GG-C SURFACE COURSE

Roadway surface course asphalt concrete pavement for parking areas and non public street drive aisles shall conform to the requirements of Sections 203-11 and 302-9 for Asphalt Rubber Hot Mix (ARHM) of the Greenbook and these Technical Specifications.

GENERAL

All streets shall be constructed in conformance with Bid Item No. 3 Construction Area Traffic Control of these Technical Specifications and per the approved Traffic Control Plans to be developed by the Contractor.

At all locations where new asphalt concrete pavement is joining existing asphalt pavement, the Contractor shall sawcut and cold mill/grind existing pavement to provide straight neat lines and place the new asphalt concrete to form a smooth transition.

MEASUREMENT AND PAYMENT

All measurement shall be in terms of in-place volumes based on the Plans and as agreed upon by the Engineer.

Payment shall be made at the Contract Unit Price per **Ton (TN)** for **CONSTRUCT ARHM-GG-C SURFACE COURSE** and shall include all materials, labor, tools, and equipment, furnishing and applying tack coat and prime coat, furnishing and placement of asphalt concrete leveling course, where needed, constructing tapered edges, complete in place, and no additional compensation will be allowed.

BID ITEM NO. 46: CONSTRUCT 4" THICK DECORATIVE ASPHALT CONCRETE MULTI-USE TRAIL

Decorative asphalt concrete multi-use trail shall conform to the requirements of Sections 302-5 Asphalt Concrete Pavement and 314 Application of Traffic Striping and Curb and Pavement Markings of the Greenbook and these Technical Specifications.

ASPHALT CONCRETE

The asphalt concrete used in the construction of the decorative trail shall be B2-PG 64-10 and lifts shall not exceed 4”.

DECORATIVE SURFACE

The multi-use trail decorative surface shall be the TrafficPatternsLT Overlay System product manufactured by Ennis Flint, Inc. or approved equal that meets the following requirements:

1. General Application – Must use a thermoplastic surface that is heated on-site with a street heater and decorative stamping template to apply aesthetic conditions as proposed.
2. Thermoplastic – Must meet the following conditions:
    a. Typical Thermoplastic Dimensions – Sheets shall be 2' wide x 2' long of non-reflective thermoplastic material.
    b. Thickness – Sheets used to apply surface must be a minimum of 90 millimeters thick.
    c. Must include anti-skid elements along the top surface.
3. Aesthetics
    a. Edge
        i. Pattern – 1' wide Square Block template on each side of the multi-use trail, continuous with the trail.
        ii. Color – Terra Cotta
    b. Internal
        i. Pattern – Stone template continuous throughout the trail.
        ii. Color – Khaki
4. All "or equal" submittals must have the manufacturer demonstrate proof of the multi-use trail decorative surface has been implemented within Riverside County or San Diego County for a minimum of five (5) years, and products installed are in good working condition acceptable to the City.

Application of Decorative Surface

The Contractor shall use either the manufacturer, or an approved vendor by the manufacturer to install the decorative surface. All decorative surface elements shall be installed per the manufacturer's guidelines, specifications and requirements. Prior to installation, the Contractor shall ensure the following:

1. Submittals have been approved by the Engineer.
2. The multi-use trail surface has been clean of all debris and fines.
3. Sealer application has been applied to the asphalt concrete surface.
4. Stenciling of the Edge and Internal sheets have occurred and have been inspected and accepted by the City and the manufacturer or their representative.
5. Asphalt concrete substrate temperatures are a minimum of 45 degrees Fahrenheit (7 degrees Celsius) and rising, and no chance of precipitation is in the five (5) day forecast.

Thermoplastic sheets shall be installed using a street propane heater using temperatures of 350-400 degrees Fahrenheit (175-205 degrees Celsius) and maintained between 350-375 degrees Fahrenheit (175-190 degrees Celsius) until the thermoplastic material has achieved a fully molten state and panels are molten, fused together and fully bonded to the asphalt concrete substrate surface per manufacturer's recommendations.

As the thermoplastic begins to cool to between 160-170 degrees Fahrenheit (72-77 degrees Celsius), the Contractor shall stamp the surface using the approved templates and per manufacturer's recommendations over layout lines previously stenciled. Excess thermoplastic shall be removed and disposed using a utility knife such that a clean edge is provided around obstructions and terminal lines/points.

Upon completion of all Work for this bid item, Contractor shall thoroughly clean the multi-use trail to remove and dispose all debris, excess decorative surface materials, and fines accumulated during construction for a clean surface ready for the City's final inspection and acceptance. Any cleanup noted or deficiencies due to workmanship or not meeting manufacturer guidelines will be identified by the City and final clean up and corrections will be performed by the Contractor at no additional cost to the City.

WORK

Work included with this bid item is the installation of the asphalt concrete pavement for the multi-use trail, application of the decorative surface, and final clean up.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings that detail the multi-use trail asphalt concrete pavement and decorative surface components required, including:

1. Manufacturer's guidelines, specifications, and recommendations for installation.
2. Asphalt concrete mix design.
3. Edge and Internal Pattern templates.
4. Physical color samples of the Edge and Internal patterns.
5. Work plan.

QUALITY ASSURANCE / WARRANTY

The manufacturer shall guarantee the multi-use trail decorative surface against all manufacturing defects in materials and workmanship for a period of (5) years from the date of delivery to the project site. The manufacturer shall be notified of repair or replacement issues in writing within the warranty period.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **CONSTRUCT 4" THICK DECORATIVE ASPHALT CONCRETE MULTI-USE TRAIL** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 47: CONSTRUCT 4" THICK ASPHALT CONCRETE SIDEWALK

Asphalt concrete sidewalk Work shall conform to the requirements of Section 302-5 Asphalt Concrete Pavement of the Greenbook and these Technical Specifications.

ASPHALT CONCRETE

The asphalt concrete used in the construction of the sidewalk shall be B2-PG 64-10 and lifts shall not exceed 4".

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **CONSTRUCT 4" THICK ASPHALT CONCRETE SIDEWALK** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 48: CONSTRUCT DECORATIVE STAMPED ASPHALT CONCRETE SURFACE

Decorative asphalt concrete stamped surface Work shall conform to the requirements of Section 314 Application of Traffic Striping and Curb and Pavement Markings of the Greenbook and these Technical Specifications.

DECORATIVE SURFACE

The decorative asphalt concrete surface shall be the TrafficPatternsXD® Impressed Surface System product manufactured by Ennis Flint, Inc. or approved equal that meets the following requirements:

1. General Application – Must use a thermoplastic surface that is heated on-site with a street heater and decorative stamping template to apply aesthetic conditions as proposed.
2. Thermoplastic – Must meet the following conditions:
    a. Typical Thermoplastic Dimensions – Sheets shall be 2' wide x 2' long of non-reflective thermoplastic material.
    b. Thickness – Sheets used to apply surface must be a minimum of 150 millimeters thick.
    c. Must include anti-skid elements along the top surface.
3. Aesthetics
    a. Edge
        i. Pattern – 8" wide Stacked Brick template on each side of the multi-use trail, continuous with the trail.
        ii. Color – Black
    b. Internal
        i. Pattern – Slate template continuous throughout the crosswalk.
    c. Color – Sand

4. All “or equal” submittals must have the manufacturer demonstrate proof of the decorative asphalt concrete surface has been implemented within Riverside County or San Diego County for a minimum of five (5) years, and products installed are in good working condition acceptable to the City.

Application of Decorative Surface

The Contractor shall use either the manufacturer, or an approved vendor by the manufacturer to install the decorative surface. All decorative surface elements shall be installed per the manufacturer’s guidelines, specifications and requirements. Prior to installation, the Contractor shall ensure the following:

1. Submittals have been approved by the Engineer.
2. The roadway surface has been clean of all debris and fines.
3. Sealer application has been applied to the asphalt concrete surface.
4. Stenciling of the Edge and Internal sheets have occurred and have been inspected and accepted by the City and the manufacturer or their representative.
5. Asphalt concrete substrate temperatures are a minimum of 45 degrees Fahrenheit (7 degrees Celsius) and rising, and no chance of precipitation is in the five (5) day forecast.

Thermoplastic sheets shall be installed using a street propane heater using temperatures of 350-400 degrees Fahrenheit (175-205 degrees Celsius) and maintained between 350-375 degrees Fahrenheit (175-190 degrees Celsius) until the thermoplastic material has achieved a fully molten state and panels are molten, fused together and fully bonded to the asphalt concrete substrate surface per manufacturer’s recommendations.

As the thermoplastic begins to cool to between 160-170 degrees Fahrenheit (72-77 degrees Celsius), the Contractor shall stamp the surface using the approved templates and per manufacturer’s recommendations over layout lines previously stenciled. Excess thermoplastic shall be removed and disposed using a utility knife such that a clean edge is provided around obstructions and terminal lines/points.

Upon completion of all Work for this bid item, Contractor shall thoroughly clean the multi-use trail to remove and dispose all debris, excess decorative surface materials, and fines accumulated during construction for a clean surface ready for the City’s final inspection and acceptance. Any cleanup noted or deficiencies due to workmanship or not meeting manufacturer guidelines will be identified by the City and final clean up and corrections will be performed by the Contractor at no additional cost to the City.

WORK

Work included with this bid item is the application of the decorative asphalt concrete surface at crosswalk areas and final clean up.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings that detail the decorative surface components required, including:

1. Manufacturer's Guidelines, Specifications, and Recommendations for Installation
2. Edge and Internal Pattern Templates
3. Physical Color Samples of the Edge and Internal Patterns
4. Work Plan

QUALITY ASSURANCE / WARRANTY

The manufacturer shall guarantee the multi-use trail decorative surface against all manufacturing defects in materials and workmanship for a period of (5) years from the date of delivery to the project site. The manufacturer shall be notified of repair or replacement issues in writing within the warranty period.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **CONSTRUCT DECORATIVE STAMPED ASPHALT CONCRETE SURFACE** shall include full compensation for all work including but not limited to, furnishing all materials labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 49: CONSTRUCT AC BERM

AC berm Work shall conform to the requirements of Section 302-5 Asphalt Concrete Pavement of the Greenbook and these Technical Specifications.

AC berm transitions are included in this bid item.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF)** for **CONSTRUCT AC BERM** shall include full compensation for all work including but not limited to, furnishing all materials labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 50: CONSTRUCT AC DIKE

AC dike Work shall be constructed in accordance with Riverside County Standard Drawing 212 and as modified in the Plans and shall also conform to the requirements of Section 302-5 Asphalt Concrete Pavement of the Greenbook and these Technical Specifications.

AC dike transitions are included in this bid item.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF)** for **CONSTRUCT AC DIKE** shall include full compensation for all work including but not limited to, furnishing all

materials labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 51: REMOVE AND REINSTALL BRICK PAVERS

Removal and reinstallation of brick pavers work includes the removal of all brick pavers, temporarily relocation of existing brick pavers within the Wildomar Cemetery limits, disposal of any damaged brick pavers, replacement of new brick pavers to match existing as necessary, installation of a new treated lumber 2” x 6” header along the perimeter of the brick pavers, and reinstallation of the brick pavers as noted or indicated on the Plans.

All work associated with the subgrade preparation shall be per specifications outlined in Bid Item No. 1 Mobilization, Demobilization, Bonds, Insurance, ID Signs, & Misc of these specifications and included in said bid item’s costs. Installation of Class II Aggregate Base underneath brick pavers shall be per Technical Specifications outlined in Bid Item No. 17 Place and Compact Class II Aggregate Base of these Technical Specifications and included in said bid item’s costs.

The Contractor shall take care in removing existing brick pavers by hand. The Contractor shall remove and dispose all brick pavers either damaged or deficient brick pavers as directed by the City at no additional cost to the City. Prior to installation of the treated lumber header and any class II aggregate base, the Contractor shall provide the City an assessment of probable square footage that remaining non damaged and non-deficient brick pavers for the Engineer to provide directions on changes of limits of reinstallation of pavers. The Engineer will provide written direction as necessary within two (2) working days of receiving said assessment.

2” x 6” redwood headers shall be select heart grade and treated, and shall conform to the requirements of Section 204, "Lumber and Treatment with Preservatives" of the Standard Specifications. Upon completion of the installation of all treated lumber headers, contractor shall install Class II Aggregate Base and compact with plate compactor. Pavers will be reinstalled in a similar pattern and manner to match existing configuration. Slopes from the back of the reinstalled pavers to the cemetery access road shall be between 1.5% and 2.0%.

The reinstalled brick paver surface shall not vary more than 0.02 feet from a 10-foot straightedge. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **REMOVE AND REINSTALL BRICK PAVERS** shall include full compensation for all work including but not limited to, furnishing all materials labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 52: INSTALL SALVAGED MAILBOX

This work shall include the temporary location and protection of existing mailboxes mounted on various types of posts; the installation of new mailboxes mounted on new wood posts; the removal of existing mailboxes; and the procurement and installation of cluster mailboxes.

Existing mailboxes may be temporarily relocated by the Contractor for the convenience of construction operations, but shall remain upright, visible, and readily accessible by residents and postal carriers at all times during construction operations to ensure continuous mail delivery. Mailboxes shall not be located in the roadway at any time. The method used by the Contractor for the temporary relocation and protection of existing mailboxes shall be approved by the Engineer. Existing mailboxes shown on the Plans to be removed shall not be removed prior to the installation of new mailboxes. Any existing or new mailboxes that are damaged, lost, or stolen during construction operations shall be repaired or replaced at the Contractor's expense.

New mailboxes shall be mounted on new 4 inch x 4 inch treated wood posts. Redwood posts shall be select heart grade and shall conform to the requirements of Section 204, "Lumber and Treatment with Preservatives" of the Standard Specifications. The wood shall be primed and painted white with outdoor latex paint prior to installation. The Contractor shall replace existing large mailboxes with new large mailboxes.

Newspaper boxes attached to existing mailbox posts shall be removed and fastened to the new mailbox posts and no separate payment will be made therefore.

Address numbers shall be placed on the posts and on the mailboxes.

Full compensation for disposing of existing posts and mounts, temporary relocation, protection, moving and maintaining the boxes regardless of the number of moves required, shall be considered as included in the contract unit price paid for each mailbox post or cluster mailboxes, and no additional compensation will be allowed therefore.

The estimated quantity shown on the Bid Schedule for Mailbox Installation is for each mailbox post or cluster mailbox, and includes one or two mailboxes and newspaper boxes mounted on each post, depending on location, or cluster mailbox with post and pad.

MEASUREMENT AND PAYMENT

Full compensation for furnishing all labor, tools, equipment and materials including, but not limited to, new mail boxes with addresses, new posts, planning, paint, hardware, sand, PCC patch and incidentals, shall be considered as included in the contract unit price paid per Each (EA) for INSTALL SALVAGED MAILBOX, and no additional compensation will be allowed therefore.

BID ITEM NO. 53: INSTALL POST OFFICE ADA WALKWAY, CURB, AND METAL HANDRAILING

ADA walkway, curb and metal handrailing Work shall conform to the requirements of Sections 303-5 Concrete Curbs, Walks, Gutters, Cross Gutters, Alley Intersections, Access Ramps and Driveways and 304-2 Metal Hand Railings of the Greenbook and these Technical Specifications.

WORK

Work included with this bid item is the preparation of shop drawings and required submittals, removal and disposal of existing post office ADA walkway / stairs / curb / hand railing, construction

of the PCC concrete walkway / curb and hand railings, and priming and painting all metal hand railings.

PCC CONCRETE WALKWAY AND CURB

The PCC walkway and curb surfaces shall not vary more than 0.02 feet from a 10-foot straightedge except at grade changes. The finished surface shall be free of humps, sags, blemishes, or other irregularities.

The contractor shall monolithically pour the PCC concrete walkway and curb. After a minimum of seven (7) calendar days the Contractor shall core curbs using a 3" diameter concrete coring bit at all post locations and use non-shrink grout per Section 201-7 Non-Masonry Grout of the Greenbook to set hand railings.

METAL HAND RAILINGS

Upon completion of the installation of the metal hand railings per Section 304-2 Metal Hand Railings of the Greenbook, the Contractor shall apply two coats of acrylic paint to match existing "blue" color on the existing railing. Contractor shall provide paint samples of up to two (2) matching blue gloss and semi-gloss acrylic paint (6 total samples) for the City to verify prior to ordering paint. Contractor shall provide as necessary protection to paint hand railings without applying paint to PCC concrete surfaces.

THIRD PARTY COORDINATION

The Contractor shall not close the existing ADA walkway and stairs during closure of either driveway to the post office. The Contractor must maintain an ADA compliant walkway at all times during the closure of the existing ADA walkway and stairs to construct the Work involved with this bid item. The Contractor shall provide the City a minimum of five (5) working days advanced notice of the intent to close this walkway.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings that detail the PCC walkway, curb and hand railing components required, including:

1. Handrailing dimensions and installation
2. Hand railing paint samples

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (LF)** for **INSTALL POST OFFICE ADA WALKWAY, CURB, AND METAL HANDRAILING** shall include full compensation for all work including but not limited to, furnishing all materials labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 54: INSTALL DECORATIVE AUTOMATED WROUGHT IRON GATE (GRUWELL), COMPLETE AND OPERATIONAL

WORK

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the automated Vehicular gate, Pedestrian Swing Gate, metal fencing, concrete footing and related work as shown at the Gruwell main entry of Wildomar Cemetery on the drawings and/or specified herein and as necessary for a complete and operational installation.

SUBMITTALS

Appropriate Submittals and Shop Drawings for shall include the following:

- Samples: Provide 12”x12” or 12” length minimum sample size of each product type with the final color, and finish represented.
- Complete shop drawings of all fencing prior to manufacturing:
    - Indicate profiles, edge and joint conditions, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories.
    - Dimensions and assembly of gate and fence panels, brackets, reinforcements, anchors, and welded and bolted connections.
    - Indicate component and electrical connection details, materials, finishes, connection and joining methods, and the relationship to adjoining work.

- Vehicular Gate Automation Equipment, including but not limited to the following:
    - gate operators
    - monitored reflective photo eyes
    - Direct Burial Loop
    - Loop detectors.
    - door controller.
    - wireless wiegand bridge
    - proximity card reader w/enclosure
    - in-ground gooseneck pedestal
    - emergency services access key switch
    - emergency services strobe access
- Pedestrian Gate
    - Gate box with Lever
    - Auto Close Hinge

REFERENCE STANDARDS

This work shall conform to the requirements of Sections 201-1 “Portland Cement Concrete” and 304 “Metal Fabrication and Construction” of Greenbook, and the manufacturer's standard specifications and these Technical Specifications.

PRODUCT STORAGE

Store materials, either plain or fabricated, above ground on platforms, pallets, skids, or other supports. Keep material free from dirt, grease, and other foreign matter and protect from corrosion.

MATERIALS

Gate Materials: All the gate and fence panels, where steel components are indicated to be galvanized, shall be prepared, primed and painted in black color, semi-gloss finish.

- Vehicular Gate Panel: about 7'-6' wide, 6'-3" to 7'-3" tall. There is a 3' diameter city emblem welded on the left panel.
- Fence panel between two pilaster on the left-sides: about 6'-3" tall and 5'-8" wide.
- Pedestrian Gate Panel: 3'-4" wide, 6'-3" to 6'-8" tall,
- Pedestrian Gate Side Panel: 2' wide and 6'-3" tall.

Gate Automation Equipment, including but not limited to the following:

- Swing gate operators shall be capable of opening gates up to 2500 lbs./15 ft. and the brushless DC motor equivalent to 1/2 HP AC motor. It shall have a fast speed direct drive opens gate 90 degrees within18 seconds. The operator shall have gold zinc coating for corrosion protection. This operator shall have battery backup providing 400 cycles in case of power failure. 5-year manufacture warranty is required. Model: MAX MEGATRON 2200 PRO or approved equal.
- monitored reflective photo eyes: shall be installed to comply with swing gate operators.
- Direct Burial Loop: 4' X 10' with 60' of lead-in Preformed Detection Loop, Use As Exit & Reverse Loop. Shall be placed prior to paving concrete installation. Model: Vehicle BD-EL28-60 or approved equal.
- Loop detectors. Shall be a plug-in detector, 10-30v AC/DC, 10 position molex plug and play connector. It shall be easy access front panel reset switch. Model: Diablo DSP-40 or approved equal.
- Door controller. It shall be capable to store up to 3000 user names, 255 area codes. Two 16 VAC, 20 VA power transformers supplied. Model: DoorKing 1838-081 or approved equal.
- Wireless wiegand bridge: It shall be used to make any key switch/pushbutton wireless and allow controller interface with both vehicle entry and exit gates. Model: SureFi DS004 or approved equal.
- Proximity card reader w/enclosure, surface mount. Model: DoorKing 1815-330 or approved equal.
- In-ground gooseneck pedestal. Shall be 74" tall and Rugged and weather resistant. Model: Linear GNB-1 or approved equal.
- Emergency services access key switch installed at vehicle entry gate. Model: Knox 3502 or approved equal.
- Emergency services strobe access installed at vehicle entry gate. Model: Tomar 1790-1014-SM2 or approved equal.

Pedestrian Gate

- Gate box with Lever shall be weatherproof for exterior application. It shall be key-operated self-latching with free exit application, color Black.
- Auto Close Hinge: shall be able to hold up 330 lbs gate panel and self-close with hydraulic damping. The closing speed and closing pressure shall be adjustable.
  It shall be weatherproof and the closing speed will not be affected by temporary changes. Color Black. Model: Mammoth 180 C-Locmambk or approved equal.

Concrete work shall conform to Section 201-1 “Portland Cement Concrete” of the Greenbook.

EXECUTION

Examination

- Verify that field conditions are acceptable and are ready to receive work.
- Beginning of installation means the erector accepts existing conditions.
- Post Staking: Prior to installation, Contractor shall stake all the post location for review and approval.

Fabrication

- Weld all shop connections. Welds shall be smooth, continuous beads, free to excessive roughness and spatter. Grind surface welds smooth and flush to match and blend with parent metal surfaces. All edges and corners shall be radiused and smooth with no sharp points.
- Exposed Mechanical Fastenings: Use fasteners fabricated from same basic metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials Flush countersunk screws or bolts; concealed where possible; consistent with design of component, except where specifically noted otherwise.
- Metal Swing Gate shall be fabricated using welded ornamental fence panel material and gate ends having a 1-1/4” square cross-sectional size. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gates are to be fully assembled and match railing using same components. Gate posts shall be spaced according to the manufacturers’ Shop Drawings with field verification, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application, weight, height, and number of gate cycles. The manufacturers’ Shop Drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacturer of the gate and shall be installed per manufacturer’s recommendations.

Installation

- Install items plumb and level, accurately fitted, free from distortion or defects and securely and rigidly attached to supporting construction and as detailed.
- Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.

- Connections and anchors shall be adequate to sustain normal loads, which may be imposed, securely welded or bolted, conforming to AISC standards. Excess length of bolts where exposed to view to be cut off and ground smooth. Use spacer washers when fastening through finish materials.
- All welding shall conform to requirements of the Committee for Standard Tests for Welds of the American Welding Society. All welding shall be electric arc process. Welds exposed in finish work shall be filled out flush, ground and dressed. Welders for structural shall be certified.
- After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lump Sum** (LS) and shall include full compensation for furnishing all labor, materials, tools, testing, equipment, and incidentals and for doing all the work involved in constructing the **AUTOMATIC VEHICULAR GATE AND PEDESTRIAN GATE AT GRUWELL,** complete and operational in place. The foregoing includes, without limitation, shop drawings, testing, gate panel, post, concrete footing, concrete pad, hardware, gate opener and detector, gate operator, door controller, detector, electrical power, control wire and conduit, emergency service access device, connection, metal gate glide in concrete, and all items necessary to operate both vehicular gates and pedestrian gate as shown on the Plans, and as directed by the Engineer. No additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 55: INSTALL DECORATIVE AUTOMATED WROUGHT IRON GATE (PALOMAR), COMPLETE AND OPERATIONAL

WORK

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the automated Vehicular gate, metal fencing, concrete footing and related work as shown at the Palomar main entry of Wildomar Cemetery on the drawings and/or specified herein and as necessary for a complete and operational installation.

SUBMITTALS

Appropriate Submittals and Shop Drawings for shall include the following:

- Samples: Provide 12"x12" or 12" length minimum sample size of each product type with the final color, and finish represented.
- Complete shop drawings of all fencing prior to manufacturing:
    - Indicate profiles, edge and joint conditions, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories.
    - Dimensions and assembly of gate and fence panels, brackets, reinforcements, anchors, and welded and bolted connections.
    - Indicate component and electrical connection details, materials, finishes, connection and joining methods, and the relationship to adjoining work.

- Vehicular Gate Automation Equipment, including but not limited to the following:
    - gate operators
    - monitored reflective photo eyes
    - Direct Burial Loop
    - Loop detectors.
    - door controller.
    - wireless wiegand bridge
    - proximity card reader w/enclosure
    - in-ground gooseneck pedestal
    - emergency services access key switch
    - emergency services strobe access
- Pedestrian Gate
    - Gate box with Lever
    - Auto Close Hinge
- Concrete Footing Concrete Mix Design

REFERENCE STANDARDS

This work shall conform to the requirements of Sections 201-1 “Portland Cement Concrete” and 304 “Metal Fabrication and Construction” of Greenbook, and the manufacturer's standard specifications and these Technical Specifications.

PRODUCT STORAGE

Store materials, either plain or fabricated, above ground on platforms, pallets, skids, or other supports. Keep material free from dirt, grease, and other foreign matter and protect from corrosion.

MATERIALS

Gate Materials: All the gate and fence panels, where steel components are indicated to be galvanized, shall be prepared, primed and painted in black color, semi-gloss finish.

- Vehicular Gate Panel: about 8' wide, 6'-3" to 7'-3" tall. There is a 3' diameter city emblem welded on the left panel.
- Fence panel between two pilaster on the left-sides: about 6'-3" tall and 5'-8" wide.
- Pedestrian Gate Panel: 3'-4" wide, 6'-3" to 6'-8" tall,
- Pedestrian Gate Side Panel: 2' wide and 6'-3" tall.
- Contractor shall verify the dimension in field and report inconsistency prior to fabrication.

Gate Automation Equipment, including but not limited to the following:

- Swing gate operators shall be capable of opening gates up to 2500 lbs./15 ft. and the brushless DC motor equivalent to 1/2 HP AC motor. It shall have a fast speed direct drive opens gate 90 degrees within18 seconds. The operator shall have gold zinc coating for corrosion protection. This operator shall have battery backup providing 400 cycles in case of power failure. 5-year manufacture warranty is required. Model: MAX MEGATRON 2200 PRO or approved equal.

- monitored reflective photo eyes: shall be installed to comply with swing gate operators.
- Direct Burial Loop: 4' X 10' with 60' of lead-in Preformed Detection Loop, Use As Exit & Reverse Loop. Shall be placed prior to paving concrete installation. Model: Vehicle BD-EL28-60 or approved equal.
- Loop detectors. Shall be a plug-in detector, 10-30v AC/DC, 10 position molex plug and play connector. It shall be easy access front panel reset switch. Model: Diablo DSP-40 or approved equal.
- Door controller. It shall be capable to store up to 3000 user names, 255 area codes. Two 16 VAC, 20 VA power transformers supplied. Model:DoorKing 1838-081 or approved equal.
- Wireless wiegand bridge: It shall be used to make any key switch/pushbutton wireless and allow controller interface with both vehicle entry and exit gates. Model: SureFi DS004 or approved equal.
- Proximity card reader w/enclosure, surface mount. Model: DoorKing 1815-330 or approved equal.
- In-ground gooseneck pedestal. Shall be 74" tall and Rugged and weather resistant. Model: Linear GNB-1 or approved equal.
- Emergency services access key switch installed at vehicle entry gate. Model: Knox 3502 or approved equal.
- Emergency services strobe access installed at vehicle entry gate. Model: Tomar 1790-1014-SM2 or approved equal.

Concrete work shall conform to Section 201-1 “Portland Cement Concrete” of the Greenbook.

EXECUTION

Examination

- Verify that field conditions are acceptable and are ready to receive work.
- Beginning of installation means erector accepts existing conditions.
- Post Staking: Prior to installation, Contractor shall stake all the post location for review and approval.

Fabrication

- Weld all shop connections. Welds shall be smooth, continuous beads, free to excessive roughness and spatter. Grind surface welds smooth and flush to match and blend with parent metal surfaces. All edges and corners shall be radiused and smooth with no sharp points.
- Exposed Mechanical Fastenings: Use fasteners fabricated from same basic metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials Flush countersunk screws or bolts; concealed where possible; consistent with design of component, except where specifically noted otherwise.
- Metal Swing Gate shall be fabricated using welded ornamental fence panel material and gate ends having a 1-1/4” square cross-sectional size. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gates are to be fully assembled and match railing using same components. Gate posts

shall be spaced according to the manufacturers' Shop Drawings with field verification, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application, weight, height, and number of gate cycles. The manufacturers' Shop Drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacturer of the gate and shall be installed per manufacturer's recommendations.

- Installation
- Install items plumb and level, accurately fitted, free from distortion or defects and securely and rigidly attached to supporting construction and as detailed.
- Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- Connections and anchors shall be adequate to sustain normal loads, which may be imposed, securely welded or bolted, conforming to AISC standards. Excess length of bolts where exposed to view to be cut off and ground smooth. Use spacer washers when fastening through finish materials.
- All welding shall conform to requirements of the Committee for Standard Tests for Welds of the American Welding Society. All welding shall be electric arc process. Welds exposed in finish work shall be filled out flush, ground and dressed. Welders for structural shall be certified.
- After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lump Sum (LS)** and shall include full compensation for furnishing all labor, materials, tools, testing, equipment, and incidentals and for doing all the work involved in constructing the **AUTOMATIC VEHICULAR GATE AT PALOMAR,** complete and operational in place. The foregoing includes, without limitation, shop drawings, testing, gate panel, post, concrete footing, concrete pad, hardware, gate opener and detector, gate operator, door controller, detector, electrical power, control wire and conduit, emergency service access device, connection, metal gate glide in concrete, and all items necessary to operate the vehicular gates, as shown on the Plans, and as directed by the Engineer. No additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 56: INSTALL DECORATIVE WROUGHT IRON SWING GATE (GRUWELL PEDESTRIAN ACCESS)

WORK

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the roll gate, gate stop and support posts, rollers, wheels, concrete footing and related work as shown at the trash enclosure location on Gruwell Street on the drawings and/or specified herein and as necessary for a complete and operational installation.

SUBMITTALS

Appropriate Submittals and Shop Drawings for shall include the following:

- Samples: Provide 12”x12” or 12” length minimum sample size of each product type with the final color, and finish represented.
- Complete shop drawings of all gate elements prior to manufacturing:
    - Indicate profiles, edge and joint conditions, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories.
    - Dimensions and assembly of gate and fence panels, brackets, reinforcements, anchors, rollers, wheels, gate track, and welded and bolted connections.
    - Indicate component details, materials, finishes, connection and joining methods, and the relationship to adjoining work.

REFERENCE STANDARDS

This work shall conform to the requirements of Sections 201-1 “Portland Cement Concrete” and 304 “Metal Fabrication and Construction” of Greenbook, and the manufacturer's standard specifications and these Technical Specifications.

MATERIALS

Gate Materials: All the gate (frame, railing and picket fence), posts (support and stop), post base plate, and gate track shall be steel, galvanized, and prepared, primed and painted in black color, semi-gloss finish.

Wheel Gate Rollers: Gate rollers shall have a minimum of a 2” diameter rollers with a 3” minimum length. All metal components of the roller shall be steel, galvanized, and prepared, primed and painted in black color, semi-gloss finish.

Gate Wheel: Shall be metal with v-groove designed for inverted v track.

EXECUTION

Examination

- Verify that field conditions are acceptable and are ready to receive work.
- Beginning of installation means erector accepts existing conditions.
- Post Staking: Prior to installation, Contractor shall stake all the post location for review and approval.

Fabrication

- Weld all shop connections. Welds shall be smooth, continuous beads, free to excessive roughness and spatter. Grind surface welds smooth and flush to match and blend with parent metal surfaces. All edges and corners shall be radiused and smooth with no sharp points.
- Exposed Mechanical Fastenings: Use fasteners fabricated from same basic metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials Flush countersunk screws or bolts; concealed where possible; consistent with design of component, except where specifically noted otherwise.

- All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gates are to be fully assembled and match railing using same components. Gate posts shall be spaced according to the manufacturers' Shop Drawings with field verification, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. The manufacturers' Shop Drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacturer of the gate and shall be installed per manufacturer's recommendations.

Installation

- Install items plumb and level, accurately fitted, free from distortion or defects and securely and rigidly attached to supporting construction and as detailed.
- Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- Connections and anchors shall be adequate to sustain normal loads, which may be imposed, securely welded or bolted, conforming to AISC standards. Excess length of bolts where exposed to view to be cut off and ground smooth. Use spacer washers when fastening through finish materials.
- All welding shall conform to requirements of the Committee for Standard Tests for Welds of the American Welding Society. All welding shall be electric arc process. Welds exposed in finish work shall be filled out flush, ground and dressed. Welders for structural shall be certified.
- After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lump Sum (LS)** and shall include full compensation for furnishing all labor, materials, tools, testing, equipment, and incidentals and for doing all the work involved in constructing the **ROLL GATE AT GRUWELL,** complete and operational in place. The foregoing includes, without limitation, shop drawings, testing, gate panel, post, concrete footing, concrete track, gate, and all items necessary to operate the roll gate, as shown on the Plans, and as directed by the Engineer. No additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 57: INSTALL DECORATIVE WROUGHT IRON ROLL GATE (GRUWELL WASTE ENCLOSURE ACCESS)

WORK

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the roll gate, gate stop and support posts, rollers, wheels, concrete footing and related work as shown at the trash enclosure location on Gruwell Street on the drawings and/or specified herein and as necessary for a complete and operational installation.

SUBMITTALS

Appropriate Submittals and Shop Drawings for shall include the following:

- Samples: Provide 12”x12” or 12” length minimum sample size of each product type with the final color, and finish represented.
- Complete shop drawings of all gate elements prior to manufacturing:
    - Indicate profiles, edge and joint conditions, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories.
    - Dimensions and assembly of gate and fence panels, brackets, reinforcements, anchors, rollers, wheels, gate track, and welded and bolted connections.
    - Indicate component details, materials, finishes, connection and joining methods, and the relationship to adjoining work.

REFERENCE STANDARDS

This work shall conform to the requirements of Sections 201-1 “Portland Cement Concrete” and 304 “Metal Fabrication and Construction” of Greenbook, and the manufacturer's standard specifications and these Technical Specifications.

MATERIALS

Gate Materials: All the gate (frame, railing and picket fence), posts (support and stop), post base plate, and gate track shall be steel, galvanized, and prepared, primed and painted in black color, semi-gloss finish.

Wheel Gate Rollers: Gate rollers shall have a minimum of a 2” diameter rollers with a 3” minimum length. All metal components of the roller shall be steel, galvanized, and prepared, primed and painted in black color, semi-gloss finish.

Gate Wheel: Shall be metal with v-groove designed for inverted v track.

EXECUTION

Examination

- Verify that field conditions are acceptable and are ready to receive work.
- Beginning of installation means erector accepts existing conditions.
- Post Staking: Prior to installation, Contractor shall stake all the post location for review and approval.

Fabrication

- Weld all shop connections. Welds shall be smooth, continuous beads, free to excessive roughness and spatter. Grind surface welds smooth and flush to match and blend with parent metal surfaces. All edges and corners shall be radiused and smooth with no sharp points.

- Exposed Mechanical Fastenings: Use fasteners fabricated from same basic metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials Flush countersunk screws or bolts; concealed where possible; consistent with design of component, except where specifically noted otherwise.
- All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gates are to be fully assembled and match railing using same components. Gate posts shall be spaced according to the manufacturers' Shop Drawings with field verification, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. The manufacturers' Shop Drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacturer of the gate and shall be installed per manufacturer's recommendations.

Installation

- Install items plumb and level, accurately fitted, free from distortion or defects and securely and rigidly attached to supporting construction and as detailed.
- Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- Connections and anchors shall be adequate to sustain normal loads, which may be imposed, securely welded or bolted, conforming to AISC standards. Excess length of bolts where exposed to view to be cut off and ground smooth. Use spacer washers when fastening through finish materials.
- All welding shall conform to requirements of the Committee for Standard Tests for Welds of the American Welding Society. All welding shall be electric arc process. Welds exposed in finish work shall be filled out flush, ground and dressed. Welders for structural shall be certified.
- After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lump Sum (LS)** and shall include full compensation for furnishing all labor, materials, tools, testing, equipment, and incidentals and for doing all the work involved in constructing the **ROLL GATE AT GRUWELL,** complete and operational in place. The foregoing includes, without limitation, shop drawings, testing, gate panel, post, concrete footing, concrete track, gate, and all items necessary to operate the roll gate, as shown on the Plans, and as directed by the Engineer. No additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 58: INSTALL 4' HIGH DECORATIVE WROUGHT IRON FENCE TO MATCH EXISTING

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the installation of replacement wrought iron fencing where noted on the plans such that it matches existing style, configuration, dimensions, and color. This work shall conform to the requirements of Sections 201-1 "Portland Cement Concrete" and 304 "Metal Fabrication and Construction" of Greenbook, and these Technical Specifications.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings that detail the wrought iron fencing components required, including:

1. Typical frame, line post, railings and picket sizes.
2. Color samples.
3. Concrete mix designs for footings.
4. Weld locations and types.

MATERIALS

1. Gate Materials: All the gate (frame, railing and picket fence), posts (support and stop), post base plate, and gate track shall be steel, galvanized, and prepared, primed and painted in black color, semi-gloss finish.

EXECUTION

Examination

- Verify that field conditions are acceptable and are ready to receive work.
- Beginning of installation means erector accepts existing conditions.
- Post Staking: Prior to installation, Contractor shall stake all the post location for review and approval.

Fabrication

- Weld all shop connections. Welds shall be smooth, continuous beads, free to excessive roughness and spatter. Grind surface welds smooth and flush to match and blend with parent metal surfaces. All edges and corners shall be radiused and smooth with no sharp points.
- Exposed Mechanical Fastenings: Use fasteners fabricated from same basic metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials Flush countersunk screws or bolts; concealed where possible; consistent with design of component, except where specifically noted otherwise.
- All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gates are to be fully assembled and match railing using same components. Fence posts shall be spaced according to the manufacturers' Shop Drawings with field verification, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. The manufacturers' Shop Drawings shall identify the necessary gate hardware required for the application. Fence hardware shall be provided by the manufacturer of the gate and shall be installed per manufacturer's recommendations.

Installation

- Install items plumb and level, accurately fitted, free from distortion or defects and securely and rigidly attached to supporting construction and as detailed.

- Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- Connections and anchors shall be adequate to sustain normal loads, which may be imposed, securely welded or bolted, conforming to AISC standards. Excess length of bolts where exposed to view to be cut off and ground smooth. Use spacer washers when fastening through finish materials.
- All welding shall conform to requirements of the Committee for Standard Tests for Welds of the American Welding Society. All welding shall be electric arc process. Welds exposed in finish work shall be filled out flush, ground and dressed. Welders for structural shall be certified.
- After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lineal Foort (LF)** and shall include full compensation for furnishing all labor, materials, tools, testing, equipment, and incidentals and for doing all the work involved in constructing the **4.0' HIGH DECORATIVE WROUGHT IRON FENCE TO MATCH EXISTING,** complete and accepted. The foregoing includes, without limitation, shop drawings, testing, fencing, post, concrete footing, and incidentals necessary to complete the installation of the fence, as shown on the Plans, and as directed by the Engineer. No additional compensation will be allowed.

BID ITEM NO. 59: INSTALL 4.5' HIGH DECORATIVE WROUGHT IRON FENCE

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the installation of new wrought iron fencing where noted on the plans. This work shall conform to the requirements of Sections 201-1 “Portland Cement Concrete” and 304 “Metal Fabrication and Construction” of Greenbook, and these Technical Specifications.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings that detail the wrought iron fencing components required, including:

1. Typical frame, line post, railings and picket sizes.
2. Color samples.
3. Concrete mix designs for footings.
4. Weld locations and types.

MATERIALS

1. Gate Materials: All the gate (frame, railing and picket fence), posts (support and stop), post base plate, and gate track shall be steel, galvanized, and prepared, primed and painted in black color, semi-gloss finish.

EXECUTION

Examination

- Verify that field conditions are acceptable and are ready to receive work.
- Beginning of installation means erector accepts existing conditions.
- Post Staking: Prior to installation, Contractor shall stake all the post location for review and approval.

Fabrication

- Weld all shop connections. Welds shall be smooth, continuous beads, free to excessive roughness and spatter. Grind surface welds smooth and flush to match and blend with parent metal surfaces. All edges and corners shall be radiused and smooth with no sharp points.
- Exposed Mechanical Fastenings: Use fasteners fabricated from same basic metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials Flush countersunk screws or bolts; concealed where possible; consistent with design of component, except where specifically noted otherwise.
- All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gates are to be fully assembled and match railing using same components. Fence posts shall be spaced according to the manufacturers' Shop Drawings with field verification, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. The manufacturers' Shop Drawings shall identify the necessary gate hardware required for the application. Fence hardware shall be provided by the manufacturer of the gate and shall be installed per manufacturer's recommendations.

Installation

- Install items plumb and level, accurately fitted, free from distortion or defects and securely and rigidly attached to supporting construction and as detailed.
- Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- Connections and anchors shall be adequate to sustain normal loads, which may be imposed, securely welded or bolted, conforming to AISC standards. Excess length of bolts where exposed to view to be cut off and ground smooth. Use spacer washers when fastening through finish materials.
- All welding shall conform to requirements of the Committee for Standard Tests for Welds of the American Welding Society. All welding shall be electric arc process. Welds exposed in finish work shall be filled out flush, ground and dressed. Welders for structural shall be certified.
- After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lineal Foort (LF)** and shall include full compensation for furnishing all labor, materials, tools, testing, equipment, and incidentals and for doing all the work involved in constructing the **4.5' HIGH DECORATIVE WROUGHT IRON FENC,** complete and accepted. The foregoing includes, without limitation, shop drawings, testing, fencing, post, concrete footing, and incidentals necessary to complete the installation of the fence, as shown on the Plans, and as directed by the Engineer. No additional compensation will be allowed.

BID ITEM NO. 60: INSTALL 6.5' HIGH DECORATIVE WROUGHT IRON FENCE

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the installation of new wrought iron fencing where noted on the plans. This work shall conform to the requirements of Sections 201-1 “Portland Cement Concrete” and 304 “Metal Fabrication and Construction” of Greenbook, and these Technical Specifications.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings that detail the wrought iron fencing components required, including:

1. Typical frame, line post, railings and picket sizes.
2. Color samples.
3. Concrete mix designs for footings.
4. Weld locations and types.

MATERIALS

1. Gate Materials: All the gate (frame, railing and picket fence), posts (support and stop), post base plate, and gate track shall be steel, galvanized, and prepared, primed and painted in black color, semi-gloss finish.

EXECUTION

Examination

- Verify that field conditions are acceptable and are ready to receive work.
- Beginning of installation means erector accepts existing conditions.
- Post Staking: Prior to installation, Contractor shall stake all the post location for review and approval.

Fabrication

- Weld all shop connections. Welds shall be smooth, continuous beads, free to excessive roughness and spatter. Grind surface welds smooth and flush to match and blend with parent metal surfaces. All edges and corners shall be radiused and smooth with no sharp points.

- Exposed Mechanical Fastenings: Use fasteners fabricated from same basic metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials Flush countersunk screws or bolts; concealed where possible; consistent with design of component, except where specifically noted otherwise.
- All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gates are to be fully assembled and match railing using same components. Fence posts shall be spaced according to the manufacturers' Shop Drawings with field verification, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. The manufacturers' Shop Drawings shall identify the necessary gate hardware required for the application. Fence hardware shall be provided by the manufacturer of the gate and shall be installed per manufacturer's recommendations.

Installation

- Install items plumb and level, accurately fitted, free from distortion or defects and securely and rigidly attached to supporting construction and as detailed.
- Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- Connections and anchors shall be adequate to sustain normal loads, which may be imposed, securely welded or bolted, conforming to AISC standards. Excess length of bolts where exposed to view to be cut off and ground smooth. Use spacer washers when fastening through finish materials.
- All welding shall conform to requirements of the Committee for Standard Tests for Welds of the American Welding Society. All welding shall be electric arc process. Welds exposed in finish work shall be filled out flush, ground and dressed. Welders for structural shall be certified.
- After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lineal Foort (LF)** and shall include full compensation for furnishing all labor, materials, tools, testing, equipment, and incidentals and for doing all the work involved in constructing the **6.5' HIGH DECORATIVE WROUGHT IRON FENC,** complete and accepted. The foregoing includes, without limitation, shop drawings, testing, fencing, post, concrete footing, and incidentals necessary to complete the installation of the fence, as shown on the Plans, and as directed by the Engineer. No additional compensation will be allowed.

BID ITEM NO. 61: INSTALL 4' HIGH CHAIN LINK FENCE

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the installation of new chain link fencing where noted on the plans. This work shall conform to the requirements of Sections 201-1 "Portland Cement Concrete" and 304-3 "Chain Link Fence" of the Greenbook, and these Technical Specifications.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings that detail the chain link fencing components required, including:

1. Typical frame, line post, railings and chain link fabric gauge.
2. Concrete mix designs for footings.
3. Connections, brackets, fasteners and miscellaneous fittings.

MATERIALS

Chain link fencing fabric, posts, connections, brackets, fasteners, miscellaneous fittings and railing shall be hot dipped and galvanized steel.

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF)** for **INSTALL 4.0' HIGH CHAIN LINK FENCE** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 62: INSTALL SPLIT RAIL VINYL FENCE TO MATCH EXISTING

The Contractor shall construct new split rail vinyl fence to match existing split rail vinyl fencing. Temporary relocation or alteration of fences requested by the Contractor for convenience of construction or for safety barriers shall be approved by the Engineer, and all costs associated with said temporary work shall be considered as included in other bid items, and no additional compensation will be made therefore. The Contractor is to finish grade the ground and trail where fencing shall be installed. The height and spacing of posts shall match the height, color and spacing of the existing fence. All new material shall match or exceed the quality of the existing fence. Footings shall be per manufacturer's recommendation, and at a minimum 18" deep, 12" diameter, and

Payment shall be made at the Contract Unit Price per **Lineal Foot (LF)** for **INSTALL SPLIT RAIL VINYL FENCE TO MATCH EXISTING** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 63: INSTALL COBBLE ROCK

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the installation of cobble rock in mortar where noted on the plans. This work shall conform to the requirements of Sections 201-5 "Cement Mortar" and 303-1 "Concrete Structures" of the Greenbook, and these Technical Specifications.

GENERAL

Cobble rock shall be gray and approximately 6” nominal diameter to create a non-walkable surface as noted on the plans. It shall be set in Type N Mortar that consists of 1 part Portland cement, 1 part lime, and 6 parts sand.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Square Foot (SF)** for **INSTALL COBBLE ROCK** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 64: INSTALL CLASS V ROCK SLOPE PROTECTION

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation, and services to complete the installation of new Class V Rock slope protection as noted on the plans. This work shall conform to the requirements of Sections 200-1.6, 300-9 “Geotextiles for Erosion Control”, "Rock for Slope and Erosion Protection (Riprap)”, and 300-11, "Rock Slope and Erosion Protection (Riprap)" of the Greenbook, and these Technical Specifications.

GENERAL

After grading and compaction, the Contractor shall clean and prepare areas to receive rock slope protection and install geotextile woven fabric with a grab tensile strength greater than 200 pounds. Fabric shall be installed per manufacturer’s recommendation.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Cubic Yard (CY)** for **INSTALL CLASS V ROCK SLOPE PROTECTION** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 65: INSTALL FRACTURED ROCK

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation, and services to complete the installation of Fractured Rock as noted on the plans. This work shall conform to the requirements of Section 200-1.2 “Crushed Rock and Rock Dust” of the Greenbook, and theses Technical Specifications.

GENERAL

After grading and compaction, the Contractor shall clean and prepare areas to receive rock slope protection and install geotextile woven fabric with a grab tensile strength greater than 200 pounds. Fabric shall be installed per manufacturer’s recommendation.

Nominal diameter of the Fractured Rock shall be ¾-inch.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per Cubic Yard (CY) for **INSTALL FRACTURED ROCK** shall include full compensation for all work including but not limited to, furnishing all materials, labor, transportation, tools, equipment, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed.

BID ITEM NO. 66: CONSTRUCT DECORATIVE PERIMETER WALL

The contractor shall furnish all labor, materials, testing, equipment, facilities, transportation and services to complete the installation of new masonry block perimeter wall and pilasters around the Wildomar Cemetery as noted on the plans. This work includes the excavation and removals associated with the concrete footings, construction of the concrete footings, installation of the steel reinforcement bars, installation of the Concrete Masonry Unity walls and pilasters, monument sign and lighting at the Gruwell Street Entrance, decorative rock veneer, caps and all other incidentals included in the construction of the perimeter wall along the Wildomar Cemetery Palomar Street and Gruwell Street frontage.

This work shall conform to the requirements of Sections 200 “Rock Materials”, 201 “Concrete, Mortar, and Related Materials”, 202 “Masonry Materials”, 303 “Concrete and Masonry Construction”, and 304 “Metal Fabrication and Construction” of the Greenbook, and these Technical Specifications.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit shop drawings that detail the decorative perimeter wall components required, including:

1. CMU block and cap manufacturer and product information.
2. Concrete mix designs for footings and wall caps.
3. Mortar and grout mix designs.
4. Rock veneer supplier product information.
5. Monument sign along the Gruwell Street Entrance including proposed colors to match block and rock veneer.
6. Lighting system to light Gruwell Street Entrance monument sign.

Should the Contractor request product information other than those specified on the plans, the Contractor shall provide physical samples of the CMU to the City upon request for approval. A physical sample of the rock veneer, monument sign tile and concrete materials shall be provided to the City for the Engineer’s approval prior to ordering materials.

MATERIALS

CMU Block: Shall be Orco Block and Hardscape Products as noted on the plans or approved equal size, dimensions, aesthetics, color, and style. The Contractor must submit or equal request

in writing to the City during the bid for approval in writing via bid addendum to be considered or equal, otherwise it will be assumed the contractor shall provide CMU types as specified on the plans.

Reinforcing Steel: Shall be Grade 40 for #4 bar and smaller, all other steel shall be Grade 60.

Monument Sign: Shall be compromised of tile for the background, pre-cast and/or cast in place concrete materials for the border with the lettering a minimum of ½" thick weather resistant bronze cast metal and mounted to the plinth concrete using tamper proof rosette option or pin-in-hex screws with a minimum of 3" embedment at minimum of 2 per each letter, with priming and semi-gloss exterior paint finish. Color scheme shall generally match the Wildomar Cemetery Master Plan.

Lighting system shall be low voltage lighting photo-voltaic lighting system to be energized with the gate motor service at the automated gate at Gruwell Steet.

Rock Veneer shall be D.C. Ranch Cobble as supplied by Rock & Block Hardscape Supply located at 42368 Rio Nedo Rd, Temecula, CA 92590. A link to their product guide is as follows: https://www.rockandblock.co/natural-stone. Veneer shall be installed per suppliers recommendations with flush joints and surface.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lineal Foot (LF)** and shall include full compensation for furnishing all labor, materials, tools, testing, equipment, and incidentals and for doing all the work involved in constructing the **CONSTRUCT DECORATIVE PERIMETER WALL,** complete and operational in place. The foregoing includes, without limitation, shop drawings and submittals, excavation and removals associated with the concrete footings, construction of the concrete footings, installation of the steel reinforcement bars, installation of the Concrete Masonry Unity walls and pilasters, monument sign and lighting at the Gruwell Street Entrance, decorative rock veneer, caps and all other incidentals included in the construction of the perimeter wall along the Wildomar Cemetery Palomar Street and Gruwell Street frontage, as shown on the Plans, and as directed by the Engineer. No additional compensation will be allowed.

Contractor shall provide a Schedule of Values for the bid item Construct Decorative Perimeter Wall at the pre-construction meeting prior to commencement of any Work with the project. The schedule of values will be used for the basis of payment should additional items be requested by the Engineer or other agency.

BID ITEM NO. 67: TRAFFIC STRIPING, PAVEMENT MARKINGS, MARKERS, AND SIGNAGE

Traffic Striping, markings, raised markers, and signing shall include the layout and application of thermoplastic traffic striping, including raised pavement markers (buttons), and installation of signs as shown on the plans and in accordance with Section 84, "Traffic Stripes and Pavement Markings," Section 85, "Pavement Markers,", and Section 56, "Signs" of the Caltrans Standard Specifications, the General Provisions and these Special Provisions.

Removal of existing traffic striping and pavement markings shall comply with the requirements of Section 15-2.02C of the State Standard Specifications.

All existing striping and markings within the areas of work and as directed by the Engineer shall be removed prior to placing any resurfacing. This does not apply to areas proposed for base repair, leveling course, overlay, reconstruction and within grinding limits.

Striping removal shall occur no sooner than two (2) calendar days prior to the pavement resurfacing. If the stripe removal is performed on a day other than the day of pavement resurfacing, the Contractor shall supply and install temporary pavement markings as detailed in these specifications. The Contractor shall be responsible for the continued maintenance of and removal of the temporary pavement markings prior to placement of the resurfacing.

All limit lines, crosswalks and legends within the project limit shall be scarified prior to resurfacing. Scarification shall be performed by grinding such that at least 50% of the underlying pavement is exposed.

Grinding material shall be removed immediately as the work progresses. Accumulation of grinding material which may constitute a hazard to traffic or a potential source of pollution in stormwater runoff shall not be permitted.

The striping and/or signing layout shall be approved by the Engineer prior to installation of permanent striping/signing. The layout shall be subject to minor changes and variations from the Plans, as required by existing field conditions. The Contractor shall contact the Engineer at least five (5) working days prior to commencing work, for approval of proposed striping/signing layout.

Striping shall be placed on project-treated pavement no sooner than 7 days after treatment is placed and no longer than 10 days after the asphalt is placed. Striping shall include application of thermoplastic in accordance with Caltrans Standard Plan Nos. A20A through A20D.

Pavement Markings shall include application of thermoplastic pavement markings, words, arrows, crosswalks and limit line, as shown on the Plan, in accordance with Caltrans Standard Plan Nos. A24A through A24E, and Caltrans Standard Specifications stated above.

The marking layout shall be approved by the Engineer prior to installation of permanent marking.

The thermoplastic material shall be applied by extrusion method in a single uniform layer. Unless otherwise noted on the plans or in these specifications. To prevent motorists from driving through and tracking wet striping and markings, traffic control shall be installed and maintained until the thermoplastic is completely dry.

Thermoplastic material shall be free of lead and chromium and shall conform to the requirements in California Department of Transportation, Specification PTH-02ALKYD. Retroreflectivity of the thermoplastic traffic stripes and pavement markings shall conform to the requirements in ASTM Designation: D 6359-99. White thermoplastic pavement markings shall have a minimum initial retroreflectivity of 250 mcd m-2 lx-1. Yellow thermoplastic pavement markings shall have a minimum initial retroreflectivity of 150 mcd m-2 lx-1.

Thermoplastic pavement markings shall be free of runs, bubbles, craters, drag marks, stretch marks, and debris.

Stencils for pavement marking shall match City of Wildomar stencils exactly.

Where striping joins existing striping, the Contractor shall begin and end the transition from the existing striping pattern into or from the new striping pattern a sufficient distance to ensure continuity of the striping pattern.

Where existing striping, pavement markings, and pavement markers are affected by construction of the new improvements or require removal by sandblasting as shown on the plans, Contractor shall measure and document the existing striping conditions and re-install striping, pavement markings, and pavement markers in kind and in accordance with this Section or as directed by the Engineer once permanent improvements have been constructed as specified above.

Where existing pavement markings (i.e. Stop Legends, limit lines, X-walks, etc.) have been partially removed by the Contractors' operations, the Contractor shall renew the entire set of markings at that intersection unless otherwise instructed by the Engineer. Renewing a portion of the marking will not be acceptable.

Pavement markers shall be placed in conformance with the provisions in Section 85, “Pavement Markers,” of the Standard Specifications and these Special Provisions.

Retroreflective pavement markers shall comply with the specific intensity provisions for reflectance after abrading the lens surface in conformance with the “Steel Wool Abrasion Procedure” as specified in Section 85-1.05 “Retroreflective Pavement Markers”.

Roadside Signs furnished by the Contractor shall be of the standard size specified in the State of California Department of Transportation Sign Specification Sheets, unless otherwise indicated on the construction plans.

Sheeting shall be guaranteed against defects for a period of ten years from the date of fabrication.

The base metal shall be new aluminum, 0.08 gauge, of alloys 6061-T6 or 5052-H38 conforming to the requirements of ASTM Designation: B209.

Any reflective sheeting supplied as a part of this contract, whether as a legend or background, shall be FHWA FP-85 Type IIA or AASHTO M268 Type III.

Reflective sheeting shall be applied to the sign by a method approved by the manufacturer of the sheeting and shall produce a durable bond equal to or greater than the strength of the reflective sheeting. No air pockets or bubbles shall exist between the sheeting and aluminum backing.

The reflective material and screening inks or overlay film shall be graffiti proof. The graffiti proofing method shall be supplied by and/or approved by the sheeting manufacturer. Neither the color nor the reflective intensity of the finished sign shall be significantly diminished by the use of graffiti remover when used in a manner approved by the City of Wildomar in conjunction with the sheeting manufacturer. Any signs graffitied by over-the-counter spray paint or marking pens, which fail to be restored, shall be replaced by the sign sheeting manufacturer.

All letters and numerals shall be in accordance with the “Standard Alphabet of Highway Signs” as used by the State of California, Department of Transportation.

All signs shall be installed using hex head bolts, washers, nuts and jam nuts in accordance with Caltrans Standard Plans RS2 or as directed by the Engineer.

Measurement and Payment
The contract LUMP SUM price paid for INSTALL TRAFFIC STRIPING, MARKINGS, RAISED MARKERS, AND SIGNING shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals, and for doing all work involved in completing the requirements of this section including but not limited to all necessary grinding or sandblasting to remove existing striping/markings/raised markers and excavation/backfill required for sign post installation as directed by the Engineer and no additional compensation is allowed therefore.

Contractor shall provide a Schedule of Values at the pre-construction meeting prior to commencement of any Work with the project. The schedule of values will be used for the basis of payment should additional items be requested by the Engineer or other agency.

BID ITEM NO. 68: TRAFFIC SIGNAL MODIFICATIONS (GRUWELL / PALOMAR INTERSECTION)

WORK

This work consists of constructing traffic signal improvements at the Gruwell / Palomar Intersection including Standards, Poles, Controller Cabinet Assembly, Electrical Service Pedestal Assembly, Vehicles and Pedestrians Signals and Mountings, Luminaires, , Iteris Vantage Vector Next Video Detection System, GTT Opticom EVP System, Polara APS System, Signs, Pull Boxes, Conduit, Conductors and Cables, Wiring, Removing, Reinstalling or Salvaging Equipment, and any other work required to provide the intended operation at the locations shown on the project plans. All work to provide traffic signals, lighting and maintaining existing traffic management system elements during construction shall conform to the provisions of Section 86 of the Caltrans Standard Specifications and the project plans.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit material specifications and/or shop drawings that detail all required components to provide the intended operation as shown on the traffic signal plans; including, but not limited to: Standards, Poles, Controller Cabinet Assembly, Electrical Service Pedestal Assembly, Vehicles and Pedestrians Signals and Mountings, Luminaires, Iteris Vantage Vector Next Video Detection System, GTT Opticom EVP System, Polara APS System, Signs, Pull Boxes, Conduit, Conductors and Cables, Wiring, and Removing, Reinstalling or Salvaging Equipment.

MEASUREMENT AND PAYMENT

Payment for traffic signal work shall be included in the **Lump Sum(LS)** price paid for **TRAFFIC SIGNAL MODIFICATIONS (GRUWELL / PALOMAR INTERSECTION)** except for other listed contract bid items. The lump sum price for Traffic Signal Modification shall be considered full compensation for furnishing all labor, materials, equipment, tools and incidentals and no additional compensation will be allowed therefore.

BID ITEM NO. 69: TRAFFIC SIGNAL MODIFICATIONS (WILDOMAR TRAIL / PALOMAR INTERSECTION)

WORK

This work consists of constructing traffic signal improvements at the Wildomar Trail / Palomar Street Intersection including Standards, Poles, Controller Cabinet Assembly, Electrical Service Pedestal Assembly, Vehicles and Pedestrians Signals and Mountings, Luminaires, Iteris Vantage Vector Next Video Detection System, GTT Opticom EVP System, Polara APS System, Signs, Pull Boxes, Conduit, Conductors and Cables, Wiring, Removing, Reinstalling or Salvaging Equipment, and any other work required to provide the intended operation at the location shown on the project plans. . All work to provide traffic signals, lighting and maintaining existing traffic management system elements during construction shall conform to the provisions of Section 86 of the Caltrans Standard Specifications and the project plans.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit material specifications and/or shop drawings that detail all required components to provide the intended operation as shown on the traffic signal plans; including, but not limited to: Standards, Poles, Controller Cabinet Assembly, Electrical Service Pedestal Assembly, Vehicles and Pedestrians Signals and Mountings, Luminaires, Iteris Vantage Vector Next Video Detection System, GTT Opticom EVP System, Polara APS System, Signs, Pull Boxes, Conduit, Conductors and Cables, Wiring, and Removing, Reinstalling or Salvaging Equipment.

MEASUREMENT AND PAYMENT

Payment for traffic signal work shall be included in the **Lump Sum(LS)** price paid for **TRAFFIC SIGNAL MODIFICATIONS (WILDOMAR TRAIL / PALOMAR INTERSECTION)**except for other listed contract bid items. The lump sum price for Traffic Signal Modification shall be considered full compensation for furnishing all labor, materials, equipment, tools and incidentals and no additional compensation will be allowed therefore.

BID ITEM NO. 70: INSTALL CEMETERY MAIN OFFICE SIGNAGE ASSEMBLY, COLUMBARIUM PLINTH AND PLAQUE, & PET STATION

This work shall include furnishing and installing the Cemetery Main Office Signage Assembly, Columbarium Plinth and Plaque, and Pet Station per the Plans and manufacturer's specifications. Delivery schedules shall be verified and certified in writing to the Engineer within ten days after the project commences.

Concrete work shall conform to Section 201-1 “Portland Cement Concrete” of the Greenbook.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit the following submittals to the Engineer for approval:

1. Concrete mix designs.
2. Supplier product information on galvanized steel post, chain, and signage.
3. Shop drawing of the columbarium plinth and plaque illustrating dimensions, materials, proposed mounting, letter sizes and font, placque colors and paints, and concrete mix design.

Contractor shall provide catalog information and samples of the colors/finishes for review and

MATERIAL

Concrete footings: Shall be a 500-C-2500 mix design.

Concrete for Columbarium Plinth: Shall be a 500-D-2500 mix design or approved equal with a trowel finish. Plinths may also be pre-cast concrete.

Galvanized Steel Post: Shall be hot dipped and galvanized schedule 40 steel pipe with an outside diameter of 2-3/8” with a pipe wall thickness of 0.154” minimum. Eyelet bolt shall be welded with a fillet weld all sides and welds to be performed prior to being hot dipped and galvanized. Tubular steel post shall also have a hot dipped and galvanized signpost cap installed upon completion.

Chain: Shall be hot dipped and galvanized 3/8” Grade 80 steel chain.

Signage: Signs shall be reflective aluminum engineering grade materials and mounted to chain using a sign mounting bracket per the sign manufacturer’s recommendation.

Plinth Plaque: Shall be a minimum of ½” thick weather resistant bronze cast metal and mounted to the plinth concrete using tamper proof rosette option or pin-in-hex screws with a minimum of 3” embedment at all four (4) corners of the plaque. Plaque shall also be painted with exterior lacquer spray paint to match pattern and style to match existing plaque located in the columbarium.

Pet Station: Shall be commercial-grade, rust-proof aluminum construction with a powder-coated finish on bag dispenser and a galvanized steel pole. The dispenser shall hold up 1000 bags with lock. The station dimension is 72"H x 11"W x 7"D. Product model is D007, available through Anova Furnishings, (800)-325-3047, or approved equal.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per Lump Sum (LS) for **INSTALL CEMETERY MAIN OFFICE SIGNAGE ASSEMBLY, COLUMBARIUM PLINTH AND PLAQUE, AND PET STATION** shall include full compensation for furnishing all labor, materials, tools, equipment, surface mounting hardware, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer’s warranty.

Contractor shall provide a schedule of values for each of the Install Cemetery Main Office Signage Assembly, Columbarium Plinth and Plaque, and Pet Station items proposed and/or required in his/hers program prior to any work. The schedule of values will be used for the basis of payment

should additional measures be requested by the Engineer or other regulatory agencies and not due to the failure of the contractor's implementation of the Install Cemetery Main Office Signage Assembly, Columbarium Plinth and Plaque, and Pet Station.

BID ITEM NO. 71: INSTALL BENCH

WORK

This work shall include furnish and install Benches per the Plans and manufacturer's specifications.

Delivery schedules shall be verified and certified in writing to the Engineer within ten days after the project commences.

SUBMITTALS

Contractor shall provide catalog information and samples of the colors/finishes for review and approval by the Engineer. No materials for this section shall be purchased until such approval is granted.

MATERIAL

The bench shall be 6' cast steel bench with armrests on both sides and the center. See Plans for detailed dimensions. Color to be Bronze. The model number is DuMor 119-60 or approved equal. Available through Coast Recreation, Inc, (714) 619-0100.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Each (EA)** for **INSTALL BENCH** shall include full compensation for furnishing all labor, materials, tools, equipment, surface mounting hardware, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 72: INSTALL REMOVABLE BOLLARD

WORK

This work shall include furnishing and installing Removable Bollard with footing per the Plans and manufacturer's specifications. Concrete footing shall be included and conform to the requirements of Section 303-1 Concrete Structures of the Greenbook and these Technical Specifications.

Delivery schedules shall be verified and certified in writing to the Engineer within ten days after the project commences.

SUBMITTALS

Contractor shall provide catalog information and samples of the colors/finishes for review and approval by the Engineer. No materials for this section shall be purchased until such approval is granted.

MATERIAL

Removable Bollard shall be a spherical top Steel Bollard with 6" Receiver. Material is schedule 80 pipe in 6"dimater and 30" tall from the finish grade. Color is Cedar Bronze. Model number is B-0340-80-3006, available through Tournesol, (800)-542-2282, or approved equal.

MEASUREMENT AND PAYMENT

Payment shall be made at the Contract Unit Price per **Each (EA)** for **INSTALL REMOVABLE BOLLARD** shall include full compensation for furnishing all labor, materials, tools, equipment, concrete footing, mounting hardware, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 73: INSTALL TRASH RECEPTACLE

WORK

This work shall include furnishing and installing Trash Receptacle per the Plans and manufacturer's specifications.

Delivery schedules shall be verified and certified in writing to the Engineer within ten days after the project commences.

SUBMITTALS

Contractor shall provide catalog information and samples of the colors/finishes for review and approval by the Engineer. No materials for this section shall be purchased until such approval is granted.

MATERIAL

Trash receptacle shall be 32-gallon steel receptacle with a 10" diameter opening on the top cover. The liner to be galvanized instead of plastic. See Plans for dimensions. Color Bronze. Model number is 157-32 or approved equal. Available through Coast Recreation, Inc, (714) 619-0100.

MEASUREMENT AND PAYMENT

Payment shall be made at the contract unit price per **Each (EA)** for **INSTALL TRASH RECEPTACLE** shall include full compensation for furnishing all labor, materials, tools, equipment, surface mounting hardware, and incidentals necessary to do all of the work involved thereof,

complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 74: INSTALL IRRIGATION SYSTEM, COMPLETE AND OPERATIONAL

WORK

This work shall conform to the conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 328400-R Recycled Water Irrigation System of the County of Riverside Standard Specifications and these Technical Specifications. This work generally involves all irrigation within the cemetery limits, including Palomar Street and Gruwell Street frontage.

EXISTING IRRIGATION SYSTEM

Existing Irrigation System: The contractor shall visit the construction site, understand the existing irrigation system, and shall take all measurements and obtain any other information as may be necessary for a complete and conclusive bid. The Contractor shall provide written notes, documentation and photographs demonstrating property inspections to the Engineer prior to commencement of work. The City will coordinate meetings with the property owner upon request of the Contractor as necessary to inspect irrigation zones.

During construction, contractors shall maintain the existing irrigation system to be operational to ensure the preserving plant materials will not be impacted by the construction. Contractor shall repair existing irrigation equipment that is damaged by the construction on his own cost. It is the Contractor's responsibility to cap existing irrigation system and provide as necessary watering to existing landscaping within the impacted irrigation zones during construction until all Work is completed and the repaired landscaping / irrigation is complete, operational, and accepted by the City.

Contractor shall test and recertify existing backflow preventor assembly to ensure it meets the current codes prior to tie in the new irrigation system.

IRRIGATION EQUIPMENT

See Plans.

MEASUREMENT AND PAYMENT

INSTALL IRRIGATION SYSTEM, COMPLETE AND OPERATIONAL shall be unit price bid per **Lump Sum (LS)** and shall include all work including but not limited to, full compensation for furnishing all labor, materials, tools, equipment, verify and test existing irrigation system, irrigation controllers, valves, sensors, mainline, lateral lines, sleeve, bubblers, sub-surface dripline tubing, wiring, electrical conduit, pipes, fittings, and incidentals necessary to do all of the work involved thereof, complete in place, and accepted and no additional compensation will be allowed. Payment shall also include the manufacturer's warranty.

BID ITEM NO. 75: INSTALL 24" BOX TREE

This work shall conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 329300 Landscaping of the County of Riverside Standard Specifications and these Technical Specifications.

This item shall be unit price bid per **Each (EA)** and the contract price paid shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in **INSTALLING 24" BOX TREES**, including, but not limited to furnish and install the tree materials, grading, soil preparation and amendment per recommendations from the soil test report, tree pit, tree fertilizer and tablets, tree staking, tree tie, weed control, complete in place and accepted. Payment shall also include the 1-year warranty. No additional payment will be made.

BID ITEM NO. 76: INSTALL SHRUBS, 5 GALLON

This work shall conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 329300 Landscaping of the County of Riverside Standard Specifications and these Technical Specifications.

This item shall be unit price bid per **Each (EA)** and the contract price paid shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in **INSTALLING SHRUBS**, **5-GALLON,** including, but not limited to furnish and install the shrub materials, grading, soil preparation and amendment per recommendations from the soil test report, plant pit, fertilizer and tablets, tree staking, tree tie, weed control, complete in place and accepted. No additional payment will be made.

BID ITEM NO. 77: INSTALL SHRUBS, 2 GALLON

This work shall conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 329300 Landscaping of the County of Riverside Standard Specifications and these Technical Specifications.

This item shall be unit price bid per **Each (EA)** and the contract price paid shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in **INSTALLING SHRUBS**, **2-GALLON**, including, but not limited to furnish and install the shrub materials, grading, soil preparation and amendment per recommendations from the soil test report, plant pit, fertilizer and tablets, tree staking, tree tie, weed control, complete in place and accepted. No additional payment will be made.

BID ITEM NO. 78: INSTALL SHRUBS, 1 GALLON

This work shall conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 329300 Landscaping of the County of Riverside Standard Specifications and these Technical Specifications.

This item shall be unit price bid per **Each (EA)** and the contract price paid shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing

all the work involved in **INSTALLING SHRUBS**, **1-GALLON,** including, but not limited to furnish and install the shrub materials, grading, soil preparation and amendment per recommendations from the soil test report, plant pit, fertilizer and tablets, tree staking, tree tie, weed control, complete in place and accepted. No additional payment will be made.

BID ITEM NO. 79: REPLACE LANDSCAPE AND REPAIR IRRIGATION TO MATCH EXISTING

This work shall conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 329300 Landscaping of the County of Riverside Standard Specifications and these Technical Specifications. This work generally consists within all areas with existing landscape and irrigation repairs as noted on the plans with the exception of the following:

- New irrigation system and planting along the Palomar Street / Gruwell Street cemetery frontage.
- New irrigation and planting located along the Palomar Street frontage of the commercial properties located at 21465 and 21535 Palomar Street (Assessor's Parcel Numbers 376-052-001 & 002).

GENERAL

Existing Irrigation System: The contractor shall visit the construction site, understand the existing irrigation system, and shall take all measurements and obtain any other information as may be necessary for a complete and conclusive bid. The Contractor shall provide written notes, documentation and photographs demonstrating property inspections to the Engineer prior to commencement of work. The City will coordinate meetings with the property owner upon request of the Contractor as necessary to inspect irrigation zones.

During construction, contractors shall maintain the existing irrigation system to be operational to ensure the preserving plant materials will not be impacted by the construction. Contractor shall repair existing irrigation equipment that is damaged by the construction on his own cost. It is the Contractor's responsibility to cap existing irrigation system and provide as necessary watering to existing landscaping within the impacted irrigation zones during construction until all Work is completed and the repaired landscaping / irrigation is complete, operational, and accepted by the City.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Square Foot (SF)** and the contract price paid shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in **REPLACE LANDSCAPE AND REPAIR IRRIGATION TO MATCH EXISTING,** including, but not limited to furnish and install the planting and irrigation materials, grading, soil preparation and amendment per recommendations from the soil test report, plant pit, fertilizer and tablets, weed control, complete in place and accepted. No additional payment will be made.

BID ITEM NO. 80: APPLY WEED FABRIC AND INSTALL MUCH (3" THICK)

This work shall conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 329300 Landscaping of the County of Riverside Standard Specifications and these Technical Specifications.

Materials: Mulching material shall be GRS Solids as provided by the City waste hauler CR&R. The City will provide the CRS Soilds material in a stockpile. The contractor shall remove the material from the stockpile and spread in the locations shown on the plans. Weed barrier shall be a geotextile fabric, which is composed of woven polypropylene fabric with the density of 3.2 oz/sq yd, Secure fabric with staple, spacing at 4' o,c. Model: Veror Premium Weed Barrier - Heavy duty, or approved equal.

This item shall be unit price bid per **Cubic Yard (CY)**. The contract price paid **APPLY WEED FABRIC AND INSTALL MULCH (3" THICK)** shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in constructing the CRS Solids, complete in place, and accepted. No additional payment will be made.

BID ITEM NO. 81: INSTALL ROOT BARRIER

This work shall conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 329300 Landscaping of the County of Riverside Standard Specifications and these Technical Specifications.

Materials: UB 24-2 By Deeproot or approved equal. Install root control barrier for all trees located within 5 feet-0 inches of paved areas, or in accordance with manufacturer's recommendations. Root Barrier shall be installed in a linear fashion and shall never circle a tree. This item shall be unit price bid per **Linear Foot (LF)**. The contract price paid of **INSTALL ROOT BARRIER** shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in constructing the root barrier, complete in place, and accepted.

BID ITEM NO. 82: LANDSCAPING, IRRIGATION, AND PLANT ESTABLISHMENT PERIOD

Landscape maintenance and plant establishment period shall be a minimum of ninety (90) days after "Date of Acceptance of Installation" of all planting areas. This work shall conform to the requirements of Section 329300 Landscaping, 320533 Landscape Maintenance of the County of Riverside Standard Specifications, and these Technical Specifications.

Request in writing from the Engineer, notification of the date of the start of the maintenance and planting establishment period. At the acceptance of all planting areas, request in writing from the Engineer notification of the date of the completion of the maintenance period. The maintenance period shall not officially begin or end without written notification from the Engineer. Construction fencing shall remain until after the maintenance period is complete or as directed by the Engineer. Maintain all planted areas on a continuous basis as they are completed during the progress of the work and during the establishment and maintenance period, and shall continue to maintain them until final acceptance in accordance with the following:

- Water, weed, fertilize, edge, prune, spray as necessary to promote a healthy growing condition. Maintain lawn at a mowing height recommended by the city. All planted areas

shall be kept free of debris and weeds. Keep project neat and attractive throughout the maintenance period.

- Apply organic herbicides for weed control, as needed or directed by the Engineer, in accordance with manufacturer's instructions and applicable laws and regulations. Organic pre-emergent herbicide shall be required in all planter, shrub and ground cover areas. Remedy damage resulting from weed control.
- Exterminate rodents and insects as required and in accordance with applicable City policies, State and Federal laws and regulations. Remedy damage from pest control.
- Adjust the irrigation system to sufficiently saturate root zone without rotting trees, shrubs, and ground cover. Do not exceed IRWD allocation.
- Repair or replace any damaged item caused by vehicles, vandals, rabbits, rodents, bicycles, or foot traffic during the maintenance period.
- Fertilize per the recommendations from the agronomic soils test.
- All inspections herein specified shall be made by the Engineer. Request inspection at least forty-eight (48) hours in advance of the time the inspection is required. Requested inspections, subsequently canceled without twenty-four (24) hours-notice, will be billed to the Contractor.

Inspection is required for, and not necessarily limited to, the following parts of the work:

- Incorporation of soil amendments and fine grading.
- Prior to digging plant pits for shrubs.
- During backfilling of plant pits with amended backfill.
- Final inspection at the end of the maintenance period.
- Irrigation Inspection prior to planting.

The **LANDSCAPING, IRRIGATION, AND PLANT ESTABLISHMENT PERIOD (90 DAYS)** shall be unit price bid per **Lump Sum (LS)** and shall include all work including but not limited to, full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to do all of the work necessary to maintain all planted and irrigated areas on a continuous basis during the progress of work and during the 90 day establishment and maintenance period until the City takes-over of maintenance, including any temporary irrigation and permanent irrigation work, as well as any landscaping maintenance effort required and as shown on the Plans and in the Specifications. No additional compensation will be allowed.

BID ITEM NO. 83: ELECTRICAL SERVICE AT CEMETERY

This work shall conform to the requirements of the 2022 California Electrical Code, California Code of Regulations Title 24, Part 3, National Electrical Code, Section 87 "Electrical Systems" of the Caltrans Standard Specifications, and these Technical Specifications. All directional boring shall be in conformance with Section 20-2.07C(2)(b) "Directional Boring. Notify the Engineer at least five (5) business days before starting directional bore activities. The diameter of the boring tool for directional boring must be only as large as necessary to install the conduit. Mineral slurry or wetting solution may be used to lubricate the boring tool and to stabilize the soil surrounding the boring path. The mineral slurry or wetting solution must be water based. The directional bore equipment must have directional control of the boring tool and have an electronic boring tool location detection system. During operation, the directional bore equipment must be able to determine the location of the tool both horizontally and vertically" of the Caltrans Standard Specifications.

Work includes the furnishing of all materials and labor, and construction of electrical service lines from the cemetery maintenance building to gate motors at each of the automated gates (Palomar Street and Gruwell Street) and the irrigation controller, complete, energized and operational per each the gate motor and irrigation controller manufacturer recommendations. This work also includes securing necessary permits with the City and any manufacturer warranties for electrical materials and equipment installed.

SUBMITTALS

Prior to the Contractor ordering products and/or materials, the Contractor shall submit the following submittals to the Engineer for approval:

1. Pull Box Product Information and Specifications
2. Conduit Specifications

MATERIALS

All conduit underground must be nonmetallic schedule 80 PVC material that is:

- Resistant to corrosion, rust & sunlight.
- Electrical Testing Laboratories listed.
- Conforms to UL651 and NEMA TC-2.
- Rated for use with 90-degree C conductors.
- Made in USA

All conduit above ground must Type 1 rigid galvanized steel and resistant to corrosion, rust and sunlight.

Pull boxes shall be made of pre-cast reinforced Portland cement concrete (PCC) or Polymer Concrete. All reinforced PCC pull boxes shall be provided with polypropylene cap with ultra violet inhibitor as manufactured by OES Concrete Product or approved equal. All Polymer Concrete pull boxes shall be as manufactured by Armorcast Products Company or approved equal.

Wiring shall conform to the American Wire Gauge (AWG) standardized wire gauge system, sizes noted on the plans. Coloring shall conform as follows:

- Phase 1 – Black wire.
- Phase 2 – Red wire (as necessary).
- Phase 3 – Blue wire (as necessary).
- Neutral – White wire.
- Ground – Green wire.

A minimum of two (2) heavy duty pull ropes per each conduit shall be installed through the entire conduit run. Pull ropes shall be composite double braid polyester pulling rope.

WORK WITHIN CEMETERY

Prior to commencing excavation for conduits, the Contractor must complete the pre-construction cemetery GPR subsurface inspection. Conduit alignments may be modified at the direction of the Engineer based on the results of the subsurface inspection to avoid head stones, graves and other subsurface elements.

GENERAL

All conduit runs may be installed by open trenching, directional boring, jacking or drilling methods unless otherwise noted on the plan. Open trenching, directional boring, jacking, or drilling methods shall not begin or terminate in walkways or continuation/elongation of private walkways into the public right-of-way. No additional compensation will be granted to the Contractor for using one method over the other.

At pull boxes, conduits shall be deepened such that a minimum depth of 24" below grade is maintained at sweeps / connections to the pull boxes.

MEASUREMENT AND PAYMENT

This item shall be unit price bid per **Lump Sum (LS)** and the contract price paid shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in **ELECTRICAL SERVICE AT CEMETERY,** including, but not limited to furnish and install the conduits, conductors, pull boxes, pull ropes, including as necessary trenching and backfill/repair, connections to existing maintenance building breakers, to provide electrical services, complete, operational, energized and accepted by the City to both automated gate motors and irrigation controller. No additional payment will be made.

Contractor shall provide a schedule of values for each of the Electrical Services at Cemetery items proposed and/or required in his/hers program prior to any work. The schedule of values will be used for the basis of payment should additional measures be requested by the Engineer or other regulatory agencies and not due to the failure of the contractor's implementation of the Electrical Services at Cemetery.

BID ITEM NO. 84: LANDSCAPING AND IRRIGATION AT COMMERCIAL CENTER

This work shall conform to the requirements of Part 8 Landscape and Irrigation of the Greenbook, Section 329300 Landscaping of the County of Riverside Standard Specifications and these Technical Specifications. This work generally consists within areas along the Palomar Street frontage of the commercial properties located at 21465 and 21535 Palomar Street (Assessor's Parcel Numbers 376-052-001 & 002).

GENERAL

Existing Irrigation System: The Contractor shall visit the construction site, understand the existing irrigation system, and shall take all measurements and obtain any other information as may be necessary for a complete and conclusive bid. The Contractor shall provide written notes, documentation and photographs demonstrating property inspections to the Engineer prior to

commencement of work. The City will coordinate meetings with the property owners upon request of the Contractor as necessary to inspect irrigation zones.

During construction, contractors shall maintain the existing irrigation system to be operational to ensure the preserving plant materials will not be impacted by the construction. Contractor shall repair existing irrigation equipment that is damaged by the construction on his own cost. It is the Contractor's responsibility to cap existing irrigation system and provide as necessary watering to existing landscaping within the impacted irrigation zones during construction until all Work is completed, and the repaired landscaping / irrigation is complete, operational, and accepted by the City.

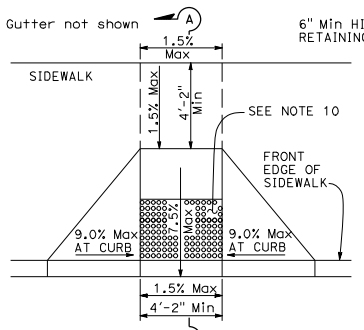
Work shall include the removal of all existing vegetation unless designated on the plans to save. Existing trees to remain.

MEASUREMENT AND PAYMENT

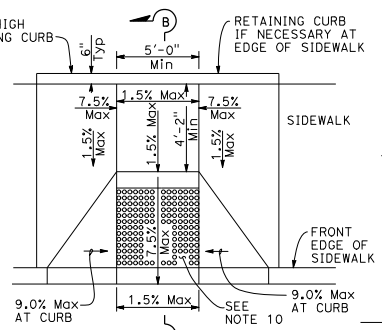
This item shall be unit price bid per **Lump Sum (LS)** and the contract price paid shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in **LANDSCAPING AND IRRIGATION AT COMMERCIAL CENTER,** including, but not limited to furnish and install the planting and irrigation materials, grading, soil preparation and amendment per recommendations from the soil test report, plant pit, fertilizer and tablets, weed control, complete in place and accepted. No additional payment will be made.

Contractor shall provide a schedule of values for each of the Landscaping and Irrigation at Commercial Center items proposed and/or required in his/hers program prior to any work. The schedule of values will be used for the basis of payment should additional measures be requested by the Engineer or other regulatory agencies and not due to the failure of the contractor's implementation of the Landscaping and Irrigation at Commercial Center.

Part V – Appendices



CASE A



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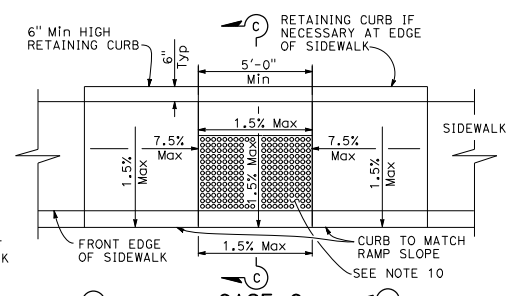

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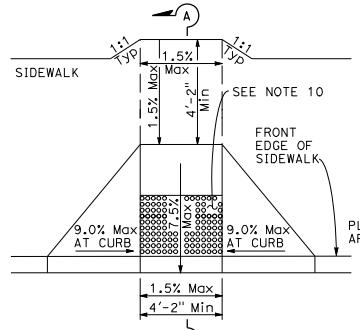

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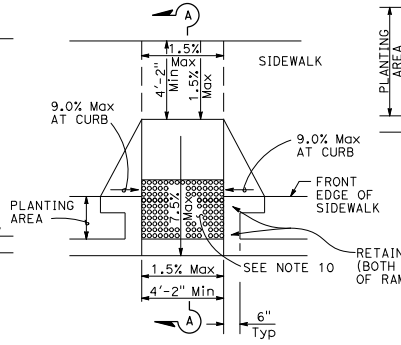

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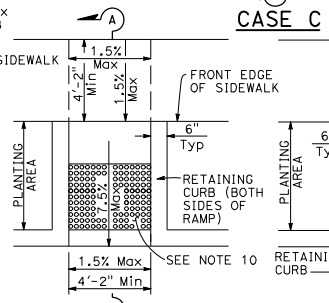

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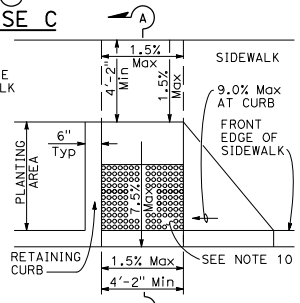
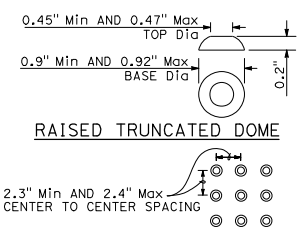


CASE G

See Note 4



RAISED TRUNCATED DOME

RAISED TRUNCATED DOME PATTERN (IN-LINE)

DETECTABLE WARNING SURFACE

See Note 10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023

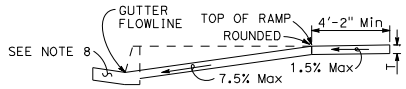
PLANS APPROVAL DATE

Rebecca Lynn Mowry No. C54415 Exp. 12-31-23 CIVIL STATE OF CALIFORNIA REGISTERED PROFESSIONAL ENGINEER

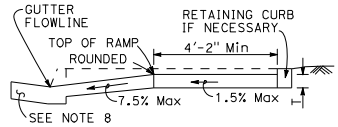
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate. For specific site condition configuration, including the conform to existing sidewalk, see Project Plans.
2. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B or C or may be widened as in Case D.
3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
4. As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
5. The ramp portion of the curb ramp is a typical rectangle, unless modified in the Project Plans.
6. Side slope of ramp flares vary uniformly from a maximum of 9.0% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
7. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
8. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1V:20H (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.
9. Transition gutter pan slope from 1" of depth for each 2'-0" of width to match typical gutter pan slope per Standard Plan A87A.
10. The detectable warning surface will be a rectangle as shown at back of curb, unless modified in the Project Plans. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable warning surfaces shall extend the full width of the ramp except a maximum gap of 1 inch is allowed on each side of the ramp. Detectable warning surfaces shall conform to the requirements in the Standard Specifications.
11. Sidewalk and ramp thickness "T", shall be 3½" minimum.
12. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
13. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining detectable warning width and depth.

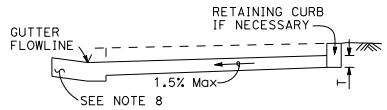


SECTION A-A



SECTION B-B

Depress entire sidewalk as required



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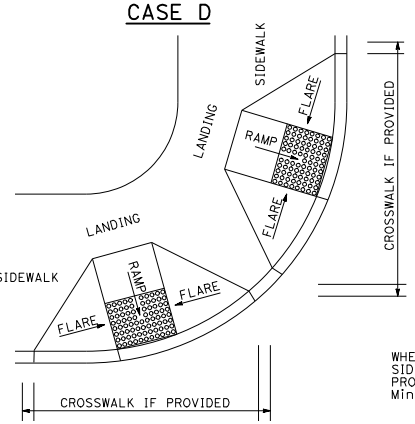
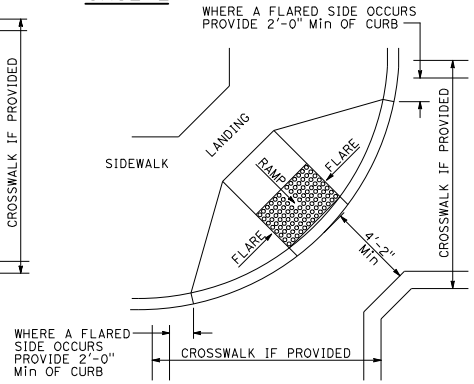


DETAIL A

TYPICAL TWO-RAMP CORNER INSTALLATION

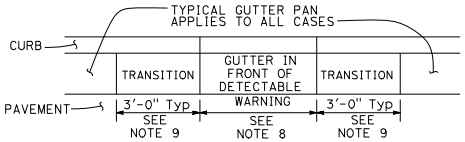
See Note 1



DETAIL B

TYPICAL ONE-RAMP CORNER INSTALLATION

See Notes 1 and 3



GUTTER PAN TRANSITION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

NO SCALE

A88A

1-31-23

2023 STANDARD PLAN A88A

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Yue Wang
No. C82065
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

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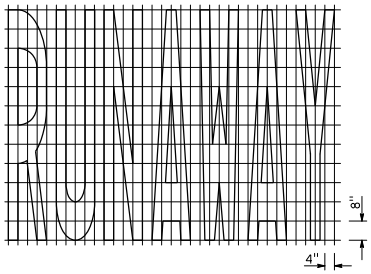

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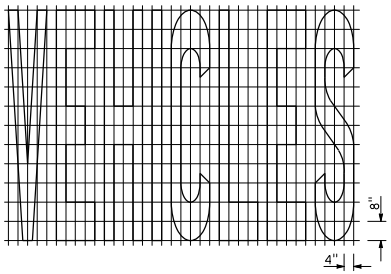

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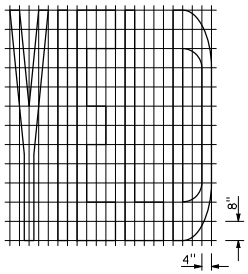

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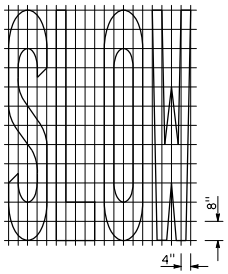

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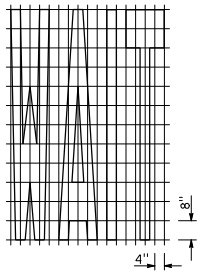

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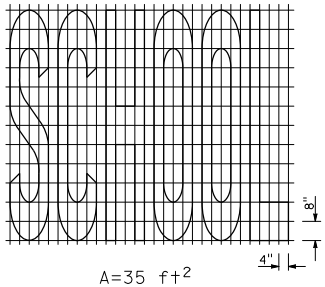

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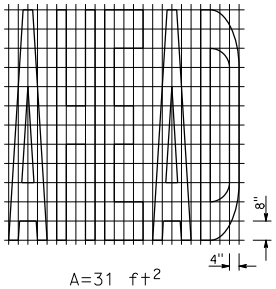

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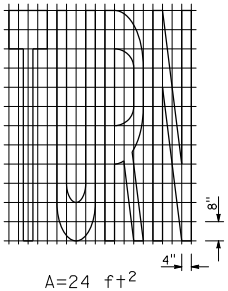

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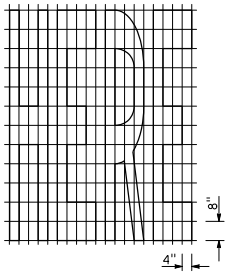

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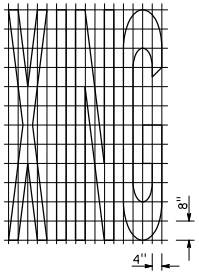

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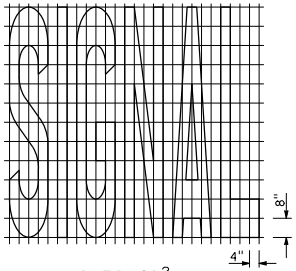

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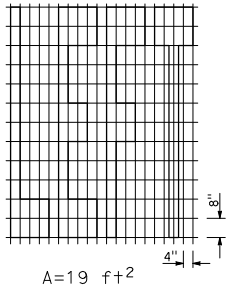

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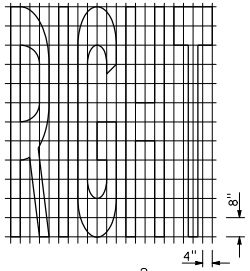

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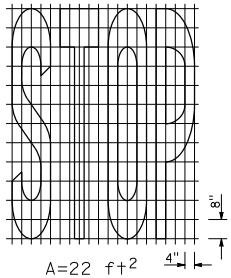

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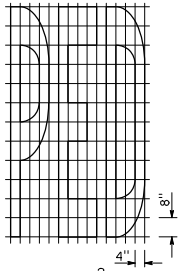
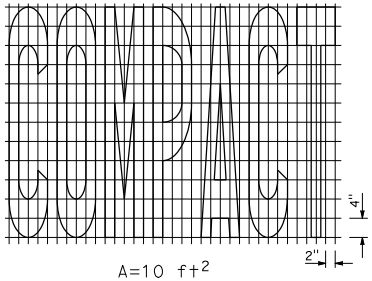
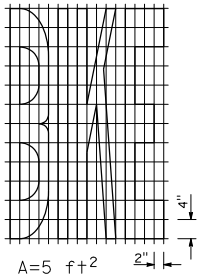


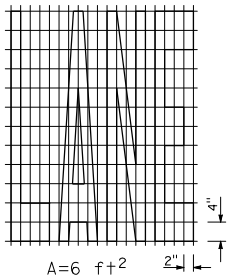
A=18 ft^2



A=10 ft^2



A=5 ft^2



A=6 ft^2

NOTES:

1. If a message consists of more than one word, it must read "UP", i.e., the first word must be nearest the driver.
2. The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.

WORD MARKINGS

ITEM	ft^2	ITEM	ft^2	ITEM	ft^2	ITEM	ft^2
XING	21	YIELD	24	BIKE	5	PED	18
AHEAD	31	SCHOOL	35	SLOW	23	COMPACT	10
WAIT	19	SIGNAL	32	STOP	22	RUNAWAY	43
LANE	6	TURN	24	LEFT	19	VEHICLES	42
RIGHT	26	HERE	26				

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS WORDS

NO SCALE

A24D

2-7-23

2023 STANDARD PLAN A24D

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

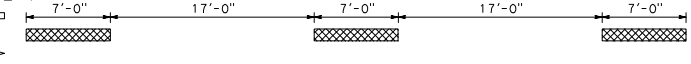
REGISTERED PROFESSIONAL ENGINEER — Yue Wang — No. C82065 — Exp. 3-31-24 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

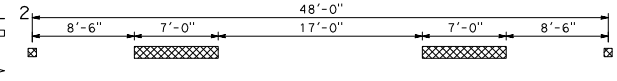
CENTERLINES

(2 LANE HIGHWAYS)

DETAIL 1



DETAIL 2



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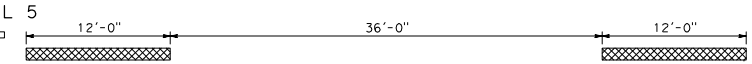
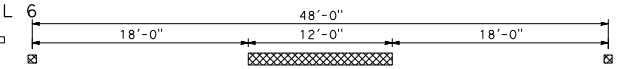
~~DETAIL 4~~ DETAIL 4 DELETED

DETAIL 5



DETAIL 6



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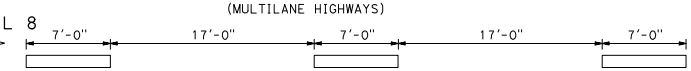
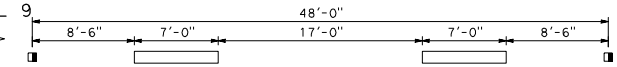
LANE LINES

(MULTILANE HIGHWAYS)

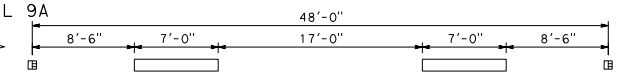
DETAIL 8



DETAIL 9

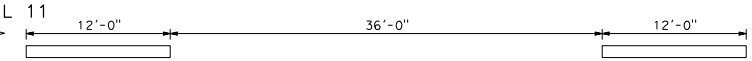


DETAIL 9A

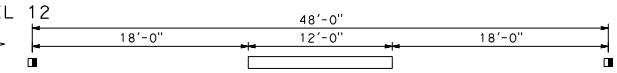


~~DETAIL 10~~ DETAIL 10 DELETED

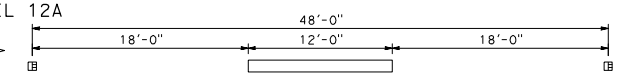
DETAIL 11



DETAIL 12



DETAIL 12A



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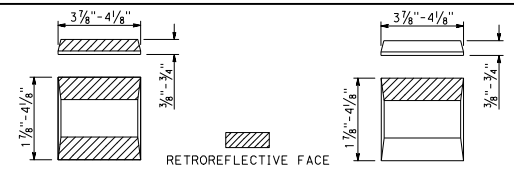
~~DETAIL 14~~ DETAIL 14 DELETED

~~DETAIL 14A~~ DETAIL 14A DELETED

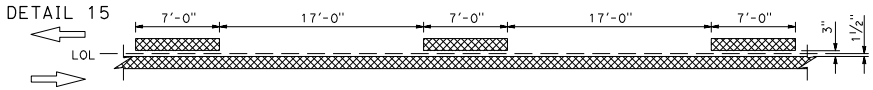


TYPE C AND TYPE D — TYPE G AND TYPE H

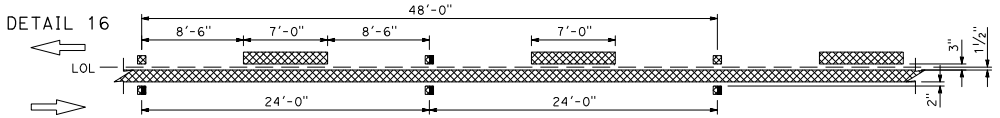
MARKER DETAILS

NO PASSING ZONES - ONE DIRECTION

DETAIL 15



DETAIL 16



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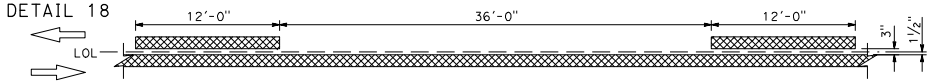
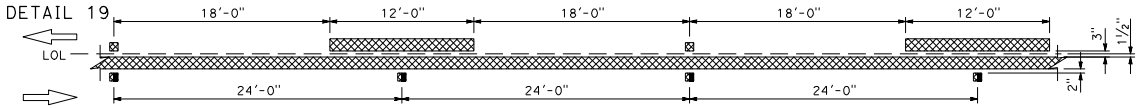
DETAIL 18



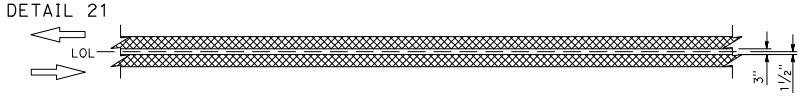
DETAIL 19



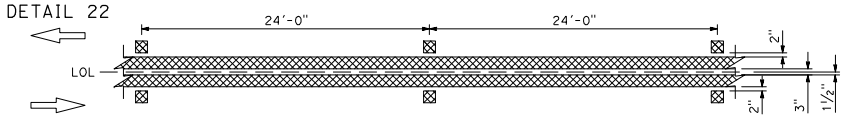
~~DETAIL 20~~ DETAIL 20 DELETED

NO PASSING ZONES - TWO DIRECTION

DETAIL 21



DETAIL 22



~~DETAIL 23~~ DETAIL 23 DELETED

LEGEND:

- TYPE C RED-CLEAR RETROREFLECTIVE MARKER
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKER
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
- TYPE H ONE-WAY YELLOW RETROREFLECTIVE MARKER
- 6" WHITE LINE
- 6" YELLOW LINE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE

A20A

2-7-23

2023 STANDARD PLAN A20A

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Yue Wang — No. C82065 — Exp. 3-31-24 — CIVIL — STATE OF CALIFORNIA

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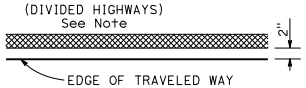
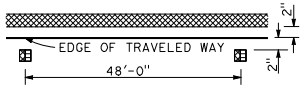
LEFT EDGE LINES

(DIVIDED HIGHWAYS)
See Note

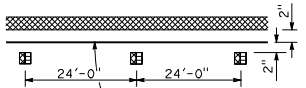
DETAIL 24



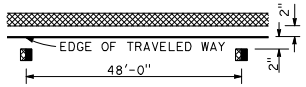
DETAIL 25



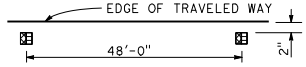
DETAIL 25A



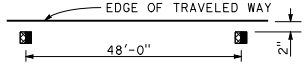
DETAIL 25B



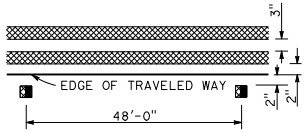
DETAIL 26



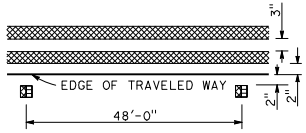
DETAIL 26A



DETAIL 26B



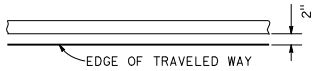
DETAIL 27



RIGHT EDGE LINES

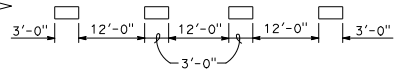
~~DETAIL 27A~~ DETAIL 27A DELETED

DETAIL 27B



RIGHT EDGE LINE EXTENSION THROUGH INTERSECTIONS

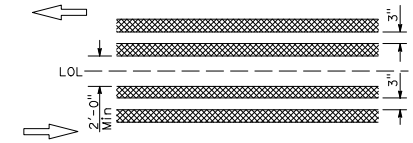
DETAIL 27C



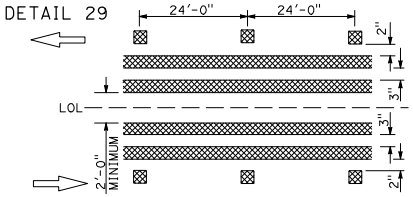
LEFT EDGE LINES NOTE:
On freeways use traffic stripe details with Type RY markers.

MEDIAN ISLANDS

DETAIL 28



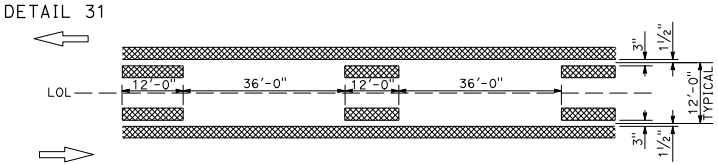
DETAIL 29



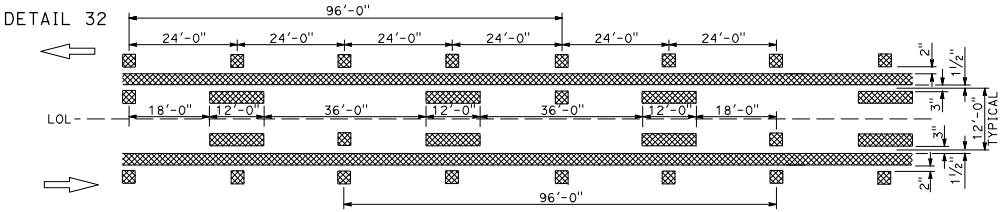
~~DETAIL 30~~ DETAIL 30 DELETED

TWO-WAY LEFT TURN LANES

DETAIL 31



DETAIL 32



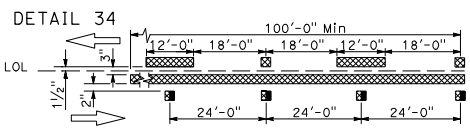
~~DETAIL 33~~ DETAIL 33 DELETED

LEGEND:

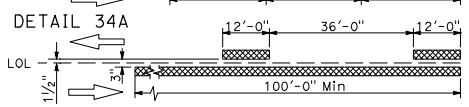
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKER
- TYPE H ONE-WAY YELLOW RETROREFLECTIVE MARKER
- TYPE RY RED-YELLOW RETROREFLECTIVE MARKER
- 6" WHITE LINE
- 6" YELLOW LINE

INTERSECTION TREATMENTS

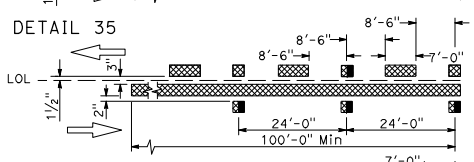
DETAIL 34



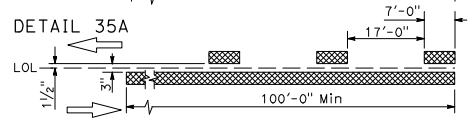
DETAIL 34A



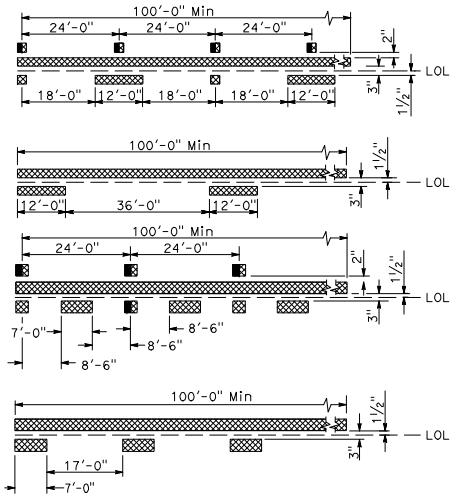
DETAIL 35



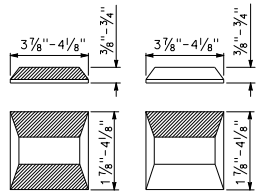
DETAIL 35A



CENTERLINE INTERSECTING STREET



MARKER DETAILS



TYPE RY AND TYPE D

TYPE H

RETROREFLECTIVE FACE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE

A20B

2-7-23

2023 STANDARD PLAN A20B

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Yue Wang
No. C82065
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

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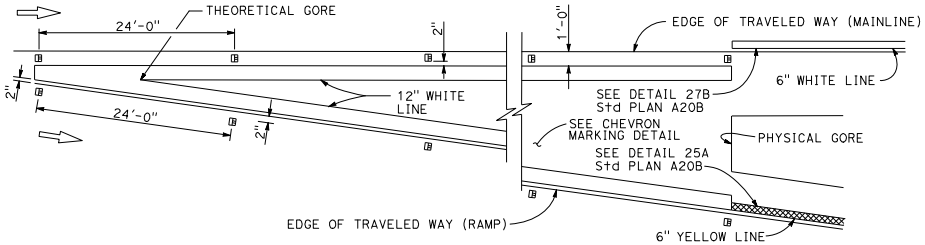
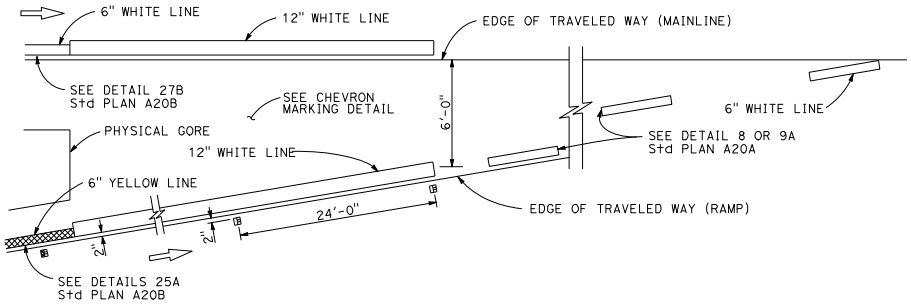
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT

DETAIL 36



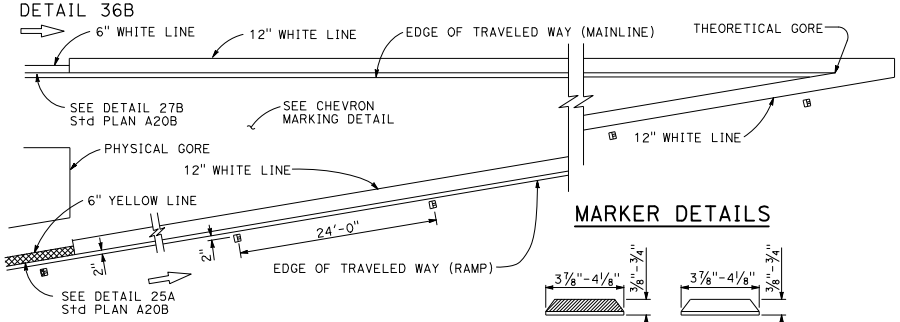
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT

DETAIL 36A

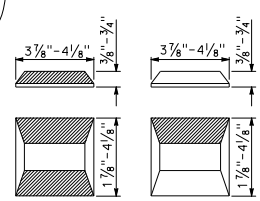


ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

DETAIL 36B



MARKER DETAILS



TYPE C AND TYPE RY

TYPE G

RETROREFLECTIVE FACE

LEGEND:

- TYPE C RED-CLEAR RETROREFLECTIVE MARKER
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
- TYPE RY RED-YELLOW RETROREFLECTIVE MARKER

NOTES:

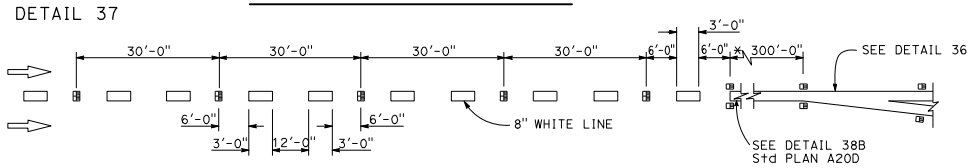
Install a minimum of 1 chevron in the gore area. If at least 1 chevron will not fit into the gore area, do not install chevrons.

Terminate chevron markings at physical gore.

Gore area chevron pavement markings shown. For Exit and Entrance Ramp channelizing lines details, see Details 36, 36A, and 36B.

LANE DROP AT EXIT RAMPS

DETAIL 37

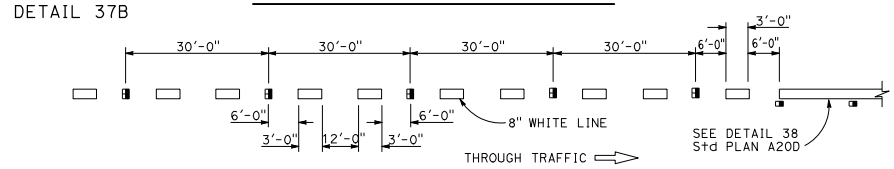


* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

~~DETAIL 37A~~ DETAIL 37A DELETED

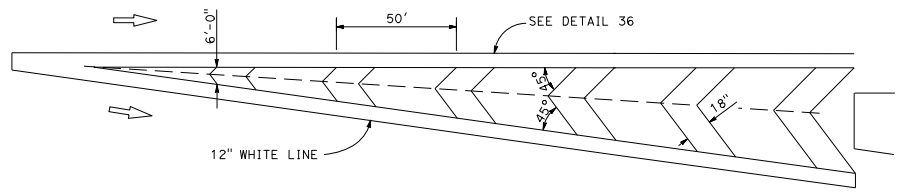
LANE DROP AT INTERSECTIONS

DETAIL 37B

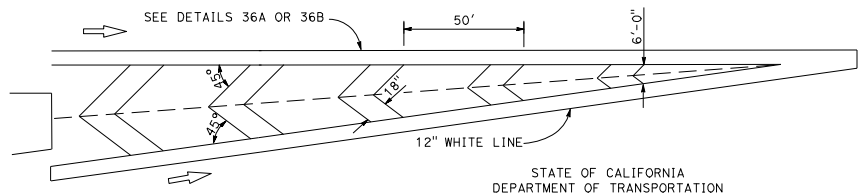


~~DETAIL 37C~~ DETAIL 37C DELETED

CHEVRON PAVEMENT MARKINGS AT EXIT RAMP GORE AREA



CHEVRON PAVEMENT MARKINGS AT ENTRANCE RAMP GORE AREA



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE

A20C

2023 STANDARD PLAN A20C

2-7-23

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REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Yue Wang No. C82065 Exp. 3-31-24 CIVIL STATE OF CALIFORNIA

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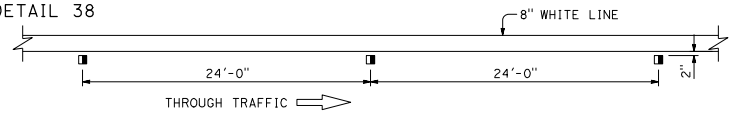
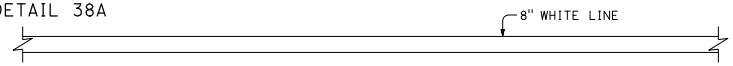
CHANNELIZING LINE

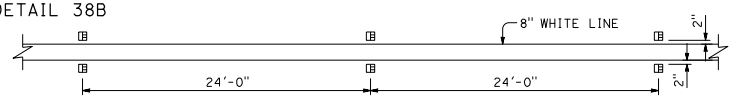
DETAIL 38



DETAIL 38A

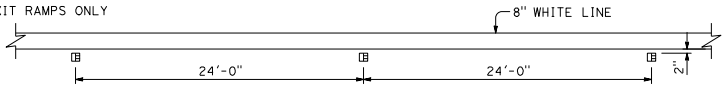


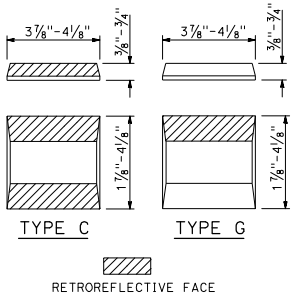
DETAIL 38B



~~DETAIL 38C~~ DETAIL 38C DELETED

DETAIL 38D
EXIT RAMPS ONLY





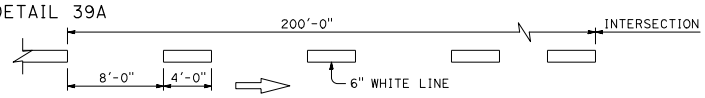
MARKER DETAILS

BIKE LANE LINE

DETAIL 39

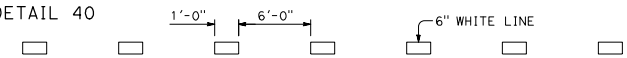
INTERSECTION LINE
BIKE LANE

DETAIL 39A



LANE LINE EXTENSIONS THROUGH INTERSECTIONS

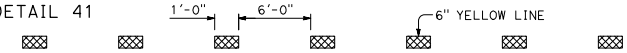
DETAIL 40



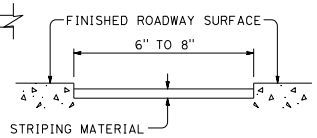
~~DETAIL 40A~~ DETAIL 40A DELETED

CENTERLINE EXTENSIONS THROUGH INTERSECTIONS

DETAIL 41



~~DETAIL 41A~~ DETAIL 41A DELETED



DETAIL FOR RECESSED TRAFFIC STRIPE

See Notes A and B

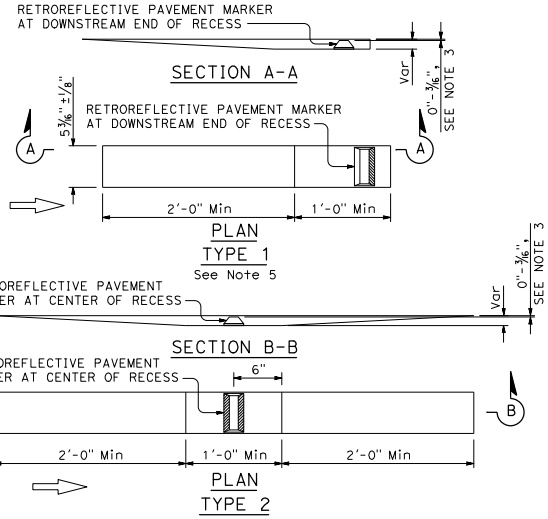
RECESSED NOTES:

A. See typical traffic line details for pavement marking patterns.

B. See Standard Specifications for recess depth and recess striping material thickness.

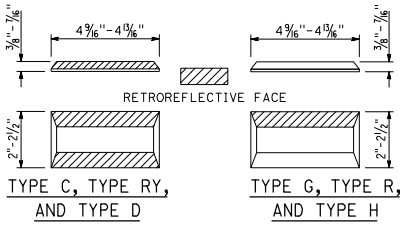
LEGEND:

- TYPE C RED-CLEAR RETROREFLECTIVE MARKER
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
- 6" YELLOW LINE



RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER

See Note 4



RETROREFLECTIVE PAVEMENT MARKER FOR RECESSED INSTALLATION

See Notes 1 and 2

RECESSED MARKER NOTES:

1. See typical traffic line details for marker patterns to be used with recessed pavement markers.
2. The retroreflective pavement markers shown for recessed installations are not to be used for non-recessed installations.
3. The top of pavement markers installed in recesses shall be 0" to 3/16" below the pavement surface.
4. Use Type 1 recess for pavement markers with one-way retroreflective face. Use Type 2 recess for pavement markers with two-way retroreflective face.
5. For exit ramps, use Type 1 recess for Type R markers with one-way retroreflective face. Reverse the orientation of the recess and place the marker at the upstream end of the recess.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE

A20D

2023 STANDARD PLAN A20D

2-7-23

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May 1, 2023
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Yue Wang
No. C82065
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

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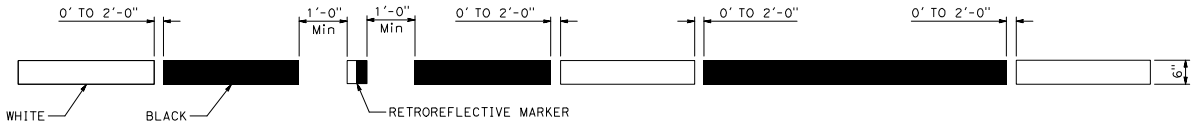
TYPICAL DOUBLE STRIPE CONTRAST DETAIL

NOTES:

1. See Standard Plans A20A, A20B, A20C, A20D and A20F for traffic lines typical details.
2. Detail 9 Traffic stripe shown. See project plans for traffic stripe details.

OPTION 1
TYPICAL LANE LINE OR RIGHT EDGE LINE CONTRAST DETAIL



OPTION 2
TYPICAL LANE LINE CONTRAST DETAIL
See Note 2

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC LINES TYPICAL DETAILS FOR CONTRAST STRIPING

NO SCALE

A20E

2-7-23

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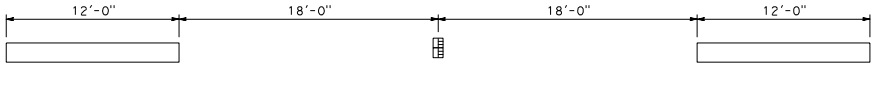
PREFERENTIAL LANE LINES

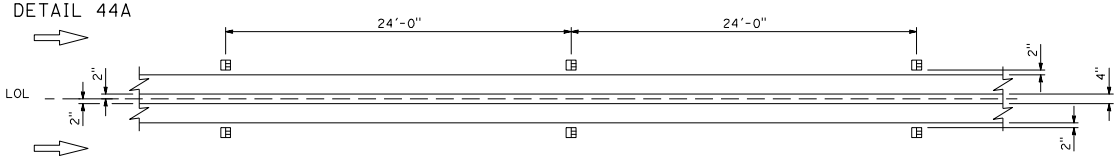
DETAIL 42



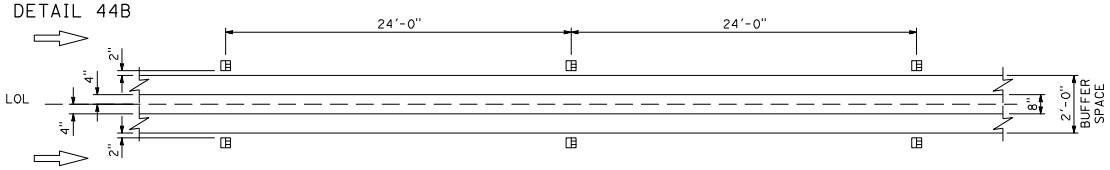
~~DETAIL 43~~ DETAIL 43 DELETED

~~DETAIL 43A~~ DETAIL 43A DELETED

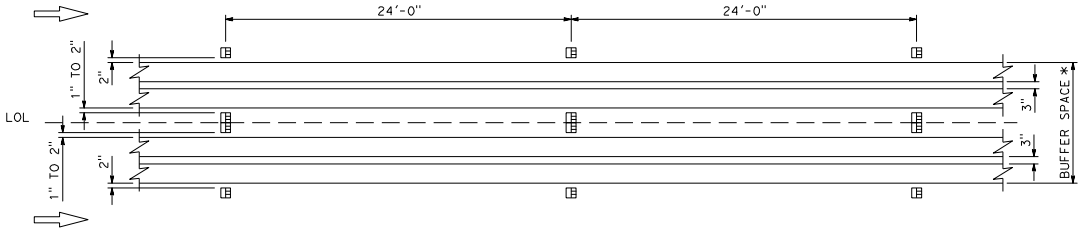
DETAIL 44A



DETAIL 44B



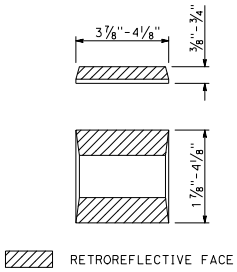
DETAIL 45



* See pavement delineation plan for dimension.

LEGEND:

- TYPE C RED-CLEAR RETROREFLECTIVE MARKER
- 8" WHITE LINE



TYPE C
MARKER DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE

A20F

2-7-23

2023 STANDARD PLAN A20F

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CIVIL
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NOTES:

1. May be a limit line or crosswalk.
2. See Standard Plans A24F and A24G for crosswalk and pavement marker details.
3. For raised markers, place Type R one-way red retroreflective markers on outermost limit line or crosswalk line with red facing the intersection. For recessed markers, place Type R one-way retroreflective markers with red facing the intersection and as shown on Standard Plan A24G.
4. The distances and marker spacings may be adjusted based on site specific conditions, exit ramp geometry, or loop detectors.
5. See Standard Plan A20D for recess details.
6. See Standard Plan A24G for Type V arrow detail with Type R one-way red retroreflective markers.
7. The Type R marker body must be white in color.

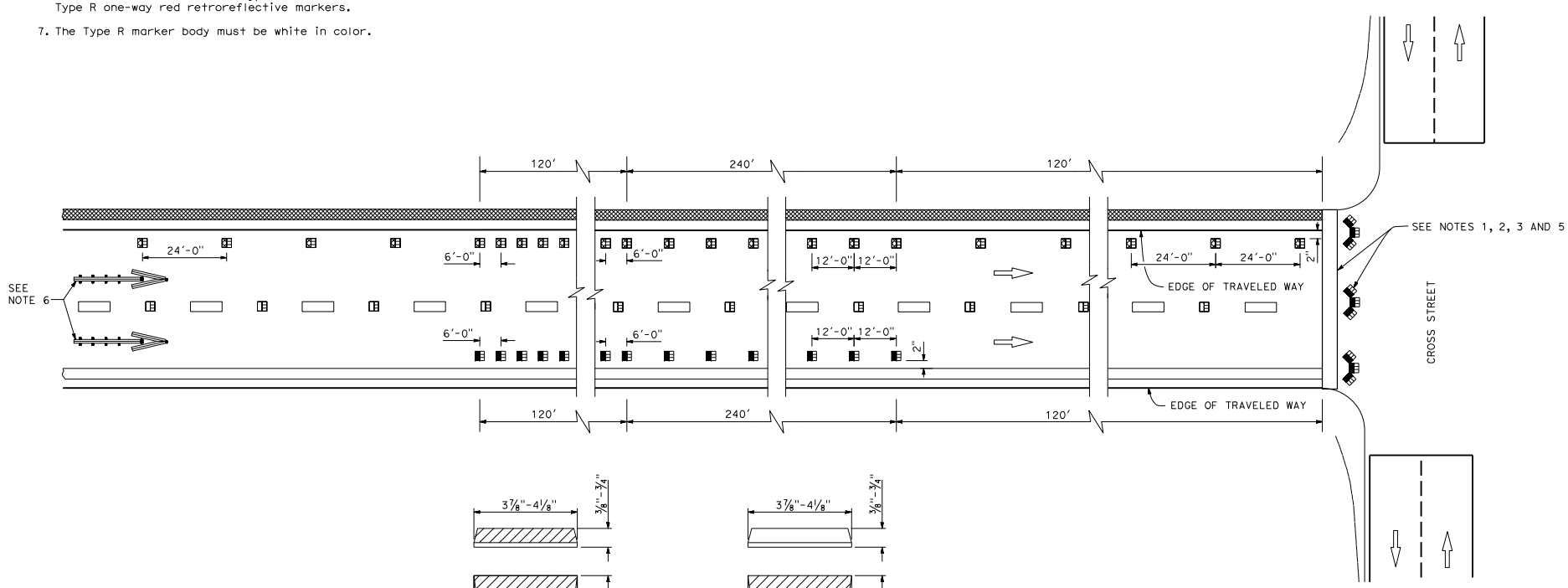
LEGEND:

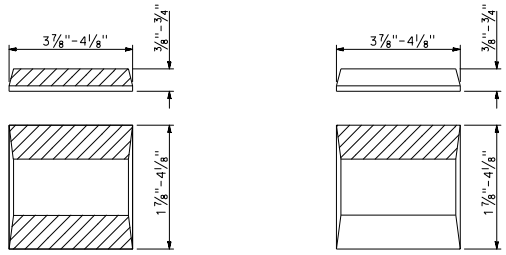
MARKERS

- TYPE C TWO-WAY RED-CLEAR RETROREFLECTIVE MARKER
- TYPE RY TWO-WAY RED-YELLOW RETROREFLECTIVE MARKER
- TYPE R ONE-WAY RED RETROREFLECTIVE MARKER

LINES

- 6" WHITE LINE
- 6" YELLOW LINE





TYPE C AND TYPE RY

TYPE R
See Note 7

MARKER DETAILS

RETROREFLECTIVE FACE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

EXIT RAMP WITH ENHANCED PAVEMENT MARKERS FOR WRONG WAY DETAILS

NO SCALE

A20G

2-7-23

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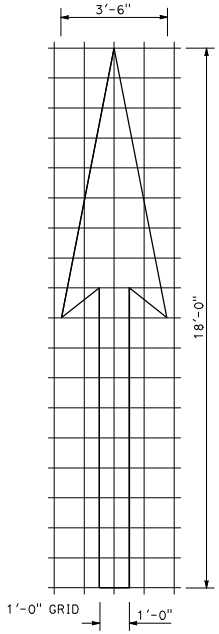
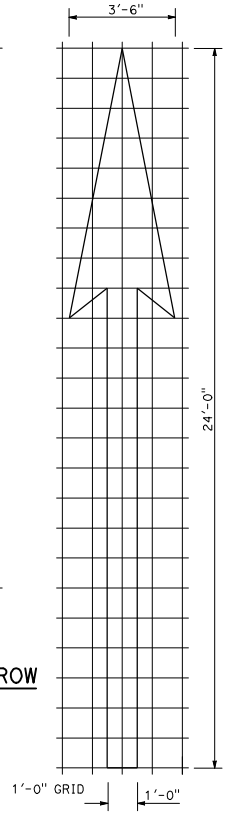


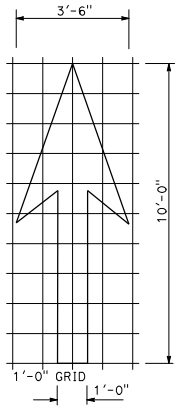
A=25 ft²

TYPE I 18'-0" ARROW



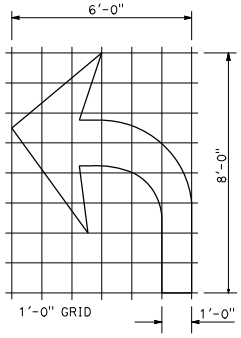
A=31 ft²

TYPE I 24'-0" ARROW



A=14 ft²

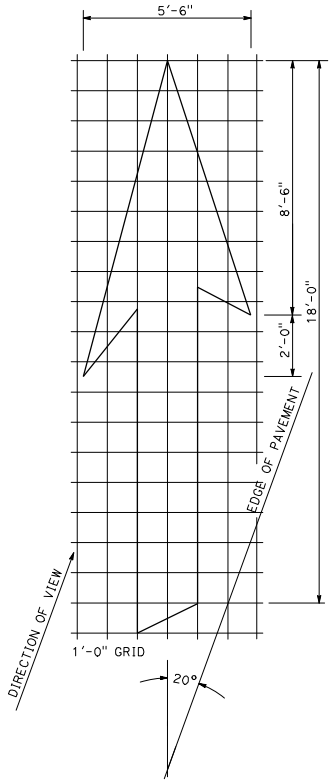
TYPE I 10'-0" ARROW



A=15 ft²

TYPE IV (L) ARROW

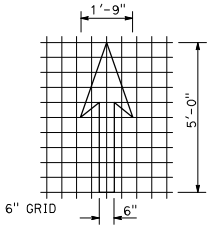
For Type IV (R) arrow, use mirror image.



A=42 ft²

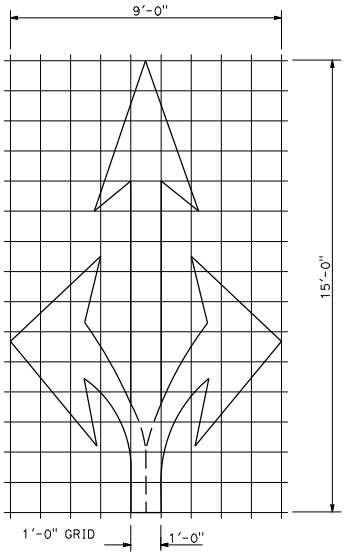
TYPE VI ARROW

Right lane drop arrow.
For left lane, use mirror image.



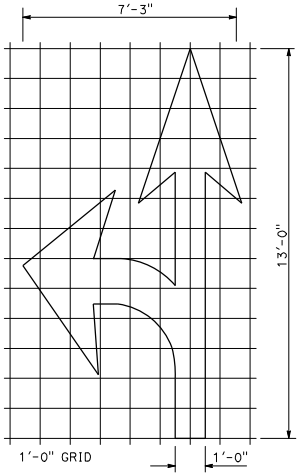
A=3.5 ft²

BIKE LANE ARROW



A=36 ft²

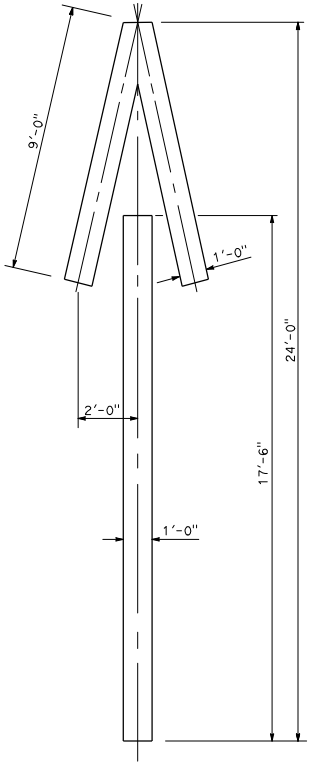
TYPE VIII ARROW



A=27 ft²

TYPE VII (L) ARROW

For Type VII (R) arrow, use mirror image.



A=33 ft²

TYPE V ARROW

NOTE:

Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS ARROWS

NO SCALE

A24A

2023 STANDARD PLAN A24A

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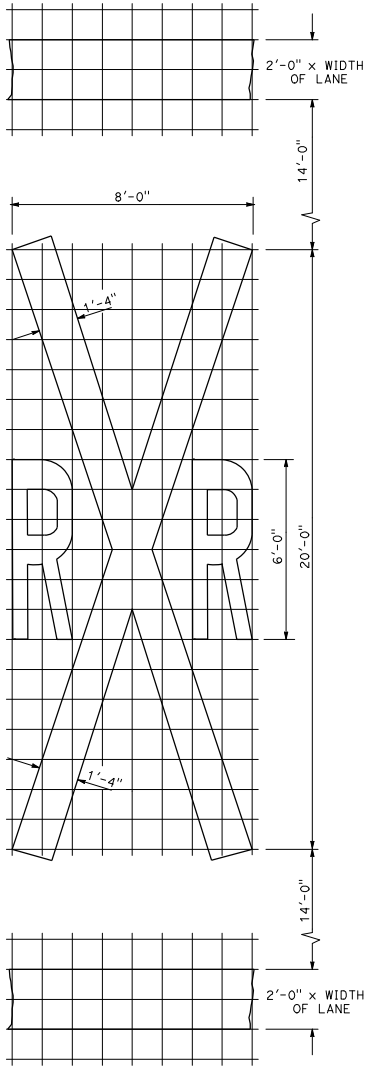
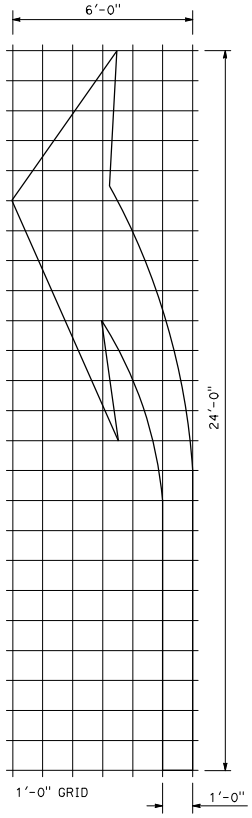


A=70 ft² ✳

RAILROAD CROSSING SYMBOL

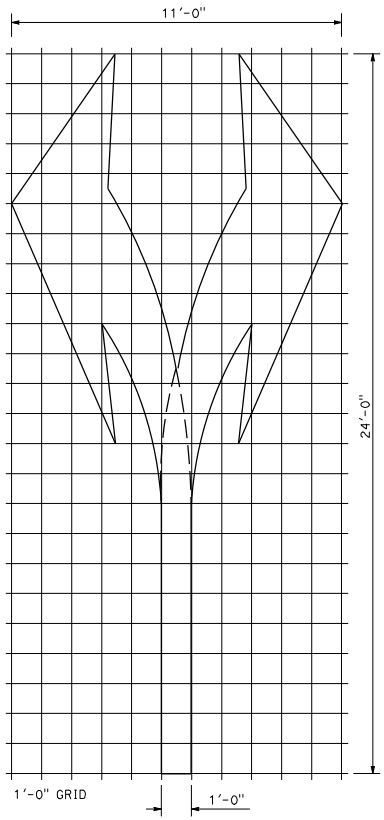
✳ 70 ft² does not include the 2'-0" x variable width transverse lines.



A=42 ft²

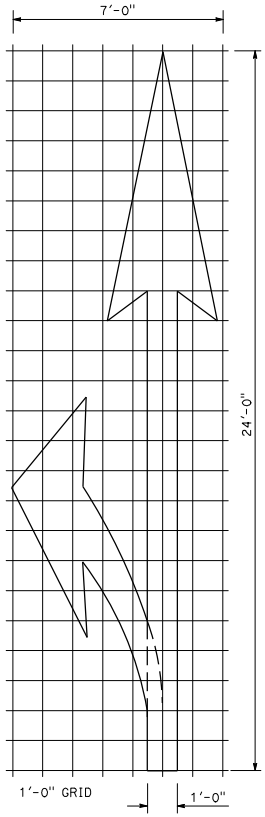
TYPE Ⅲ (L) ARROW

For Type Ⅲ (R) use mirror image.



A=73 ft²

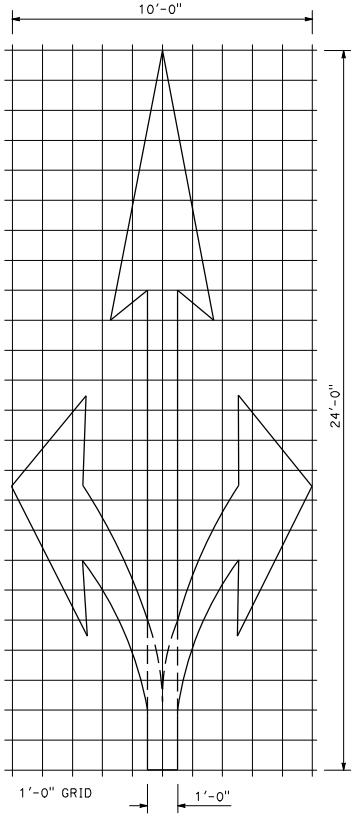
TYPE Ⅲ (B) ARROW



A=45 ft²

TYPE Ⅱ (L) ARROW

For Type Ⅱ (R) use mirror image.



A=59 ft²

TYPE Ⅱ (B) ARROW

NOTE:
Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS ARROWS AND SYMBOLS

NO SCALE

A24B

2-7-23

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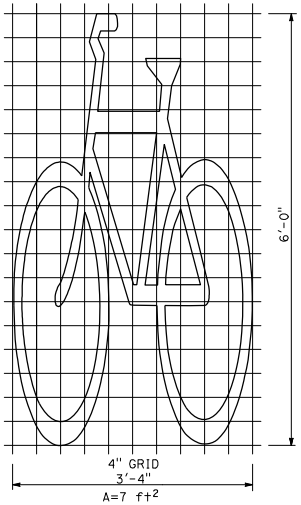
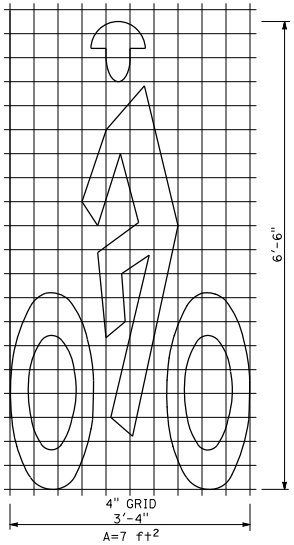
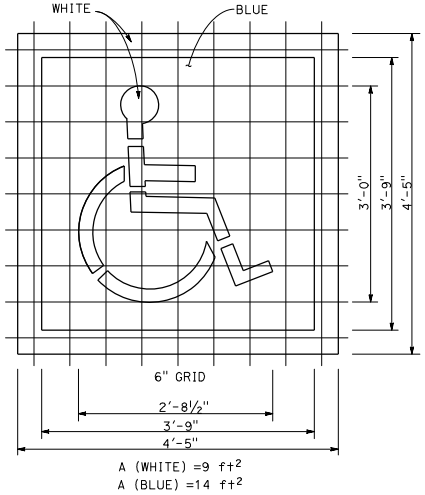


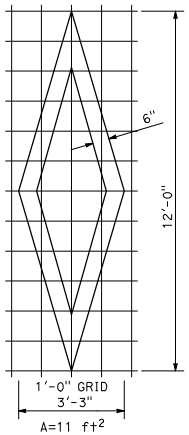
BIKE LANE SYMBOL WITHOUT PERSON



BIKE LANE SYMBOL WITH PERSON



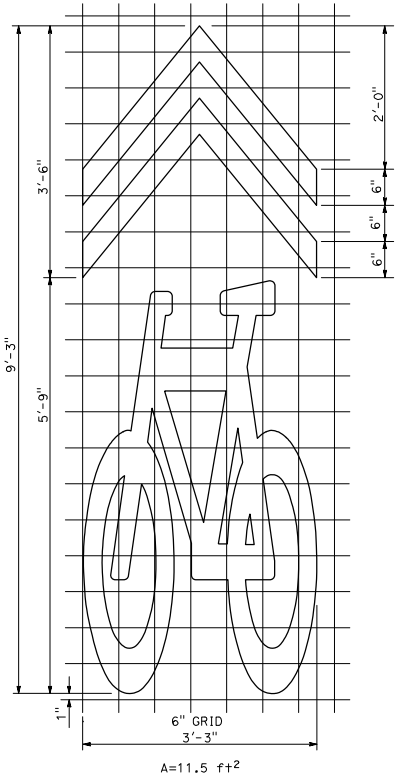
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



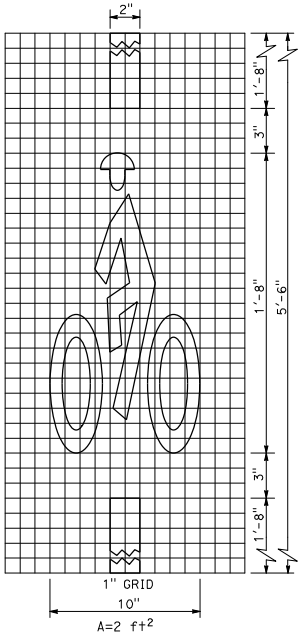
DIAMOND SYMBOL

NOTE:

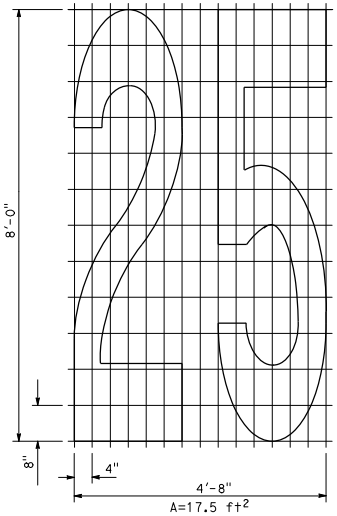
Minor variations in dimensions may be accepted by the Engineer.

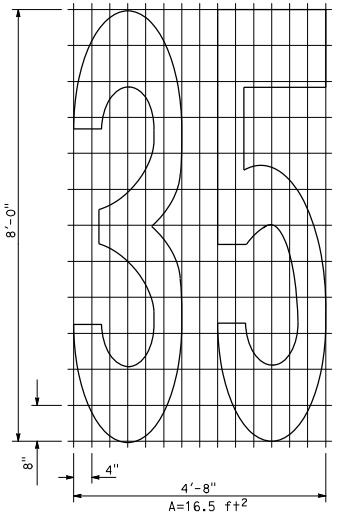


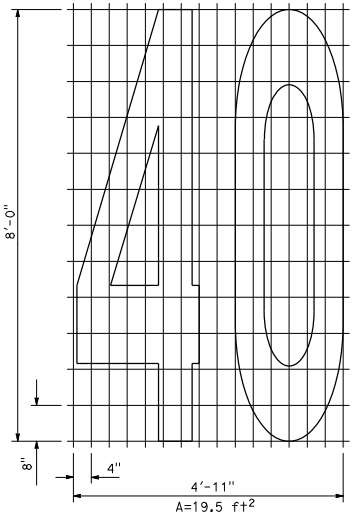
SHARED ROADWAY BICYCLE MARKING



BICYCLE LOOP DETECTOR SYMBOL







NUMERALS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

A24C

2023 STANDARD PLAN A24C

2-7-23

Return to Table of Contents

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Omar Mendoza
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Omar Mendoza
No. E17982
Exp. 12-31-24
ELECTRICAL
STATE OF CALIFORNIA

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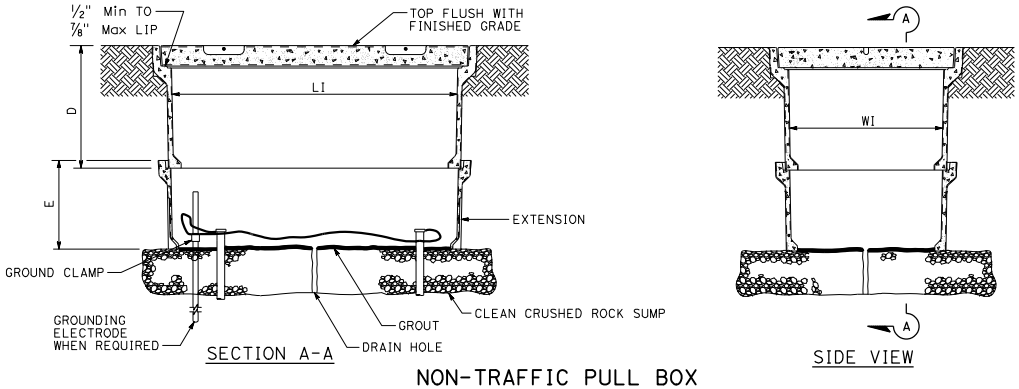
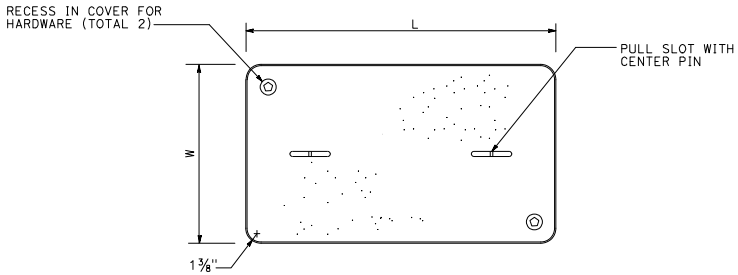


SECTION A-A

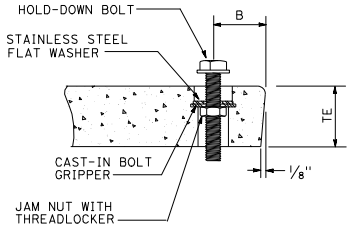
SIDE VIEW

NON-TRAFFIC PULL BOX

DETAIL A

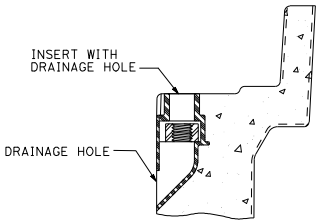


COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT

OR SIMILAR



TYPICAL THREADED INSERT

OR SIMILAR

NOMINAL DIMENSIONS TABLE										
PULL BOX						COVER				
PULL BOX TYPE	MINIMUM DEPTH BOX (D)	MINIMUM DEPTH EXTENSION (E)	MAXIMUM WEIGHT	LI Min	WI Min	TE	B	L	W	MAXIMUM WEIGHT
No. 3 1/2	12"	N/A	40 lb	1'-2 3/8"	9"	1 5/8"-1 3/4"	1 3/4"	1'-3 1/4" - 1'-3 3/8"	10" - 10 1/8"	30 lb
No. 5	12"	10"	65 lb	1'- 8"	11"	2"	1 3/4"	1'-11 1/4"	1'-1 3/4"	60 lb
No. 6	12"	10"	70 lb	2'- 4 1/4"	1'- 3 1/4"	2"	2"	2'-6 1/2"	1'-5 1/2"	95 lb

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (NON-TRAFFIC PULL BOX)

NO SCALE

ES-8A

2023 STANDARD PLAN ES-8A

1-31-23

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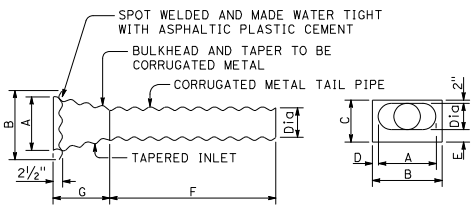
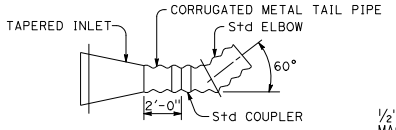


PLAN END VIEW

Bulkhead and taper of same thickness as tail pipe with 0.079" maximum. Tail pipe of same thickness as downdrain pipe.

ENTRANCE TAPER - TYPE 1 ALTERNATIVE A



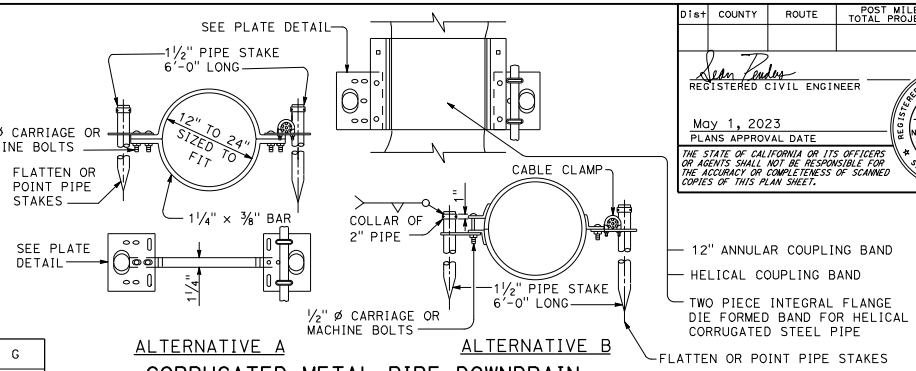
Tapered inlet of same construction and dimensions as Type 1 - Alternative A or B except tail pipe length will be 2'-0".

ENTRANCE TAPER - TYPE 2

Taper joints may be welded or riveted. Dimensions to be as tabulated below for Type 1 Alternatives A and B.

Dia	A	B	C	D	E	F	G
8"	1'-4"	2'-1½"	1'-3"	4¾"	5"	6'-0"	2'-0"
12"	1'-6"	2'-1½"	1'-7"	3¾"	5"	6'-0"	2'-0"
15"	1'-9"	2'-6"	1'-11"	4½"	6"	6'-0"	2'-0"
18"	2'-0"	2'-10"	2'-3"	5"	7"	6'-0"	2'-0"
24"	2'-10"	3'-10"	2'-11"	6"	9"	4'-0"	4'-0"

ENTRANCE TAPER - TYPE 1 ALTERNATIVE A AND B



ALTERNATIVE A ALTERNATIVE B

CORRUGATED METAL PIPE DOWNDRAIN ANCHOR ASSEMBLY

Cable and cable clamps to be used when required by the Special Provisions.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

Sean T. Penders No. C63744 Exp. 9-30-24 CIVIL STATE OF CALIFORNIA REGISTERED PROFESSIONAL ENGINEER

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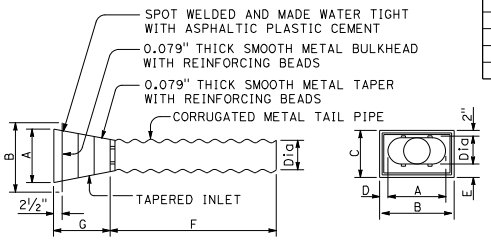
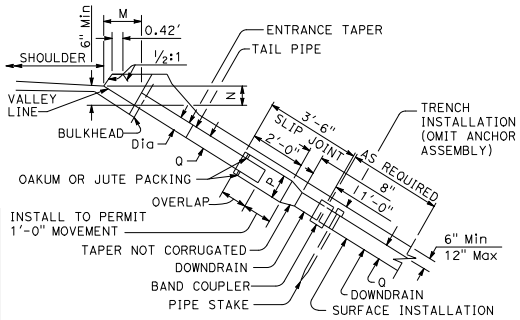


PLAN END VIEW

Tail pipe of same thickness as downdrain pipe.

ENTRANCE TAPER - TYPE 1 ALTERNATIVE B



SECTION A-A TYPE 1

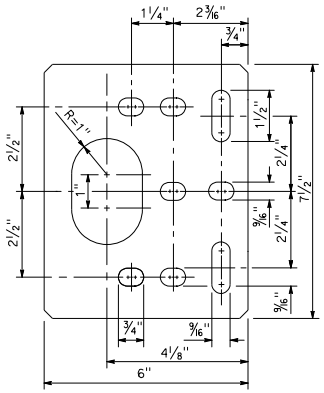


PLATE DETAIL

Material to be ¼" plate galvanized after fabrication.

NOTES:

1. Either Alternative A or Alternative B anchor assemblies and pipe stakes may be used at Contractor's option for corrugated steel pipe or corrugated aluminum pipe. Alternative A anchor assembly only to be placed in annular corrugation. Alternative A anchor assembly may be placed on annular coupling band if securely fastened on downstream side of joint. Alternative B anchor assembly to be fastened to pipe sections and not to a band coupler used to join sections.
2. For cable anchorage system details, see Standard Plan D87C.

CMP dimensions as tabulated below

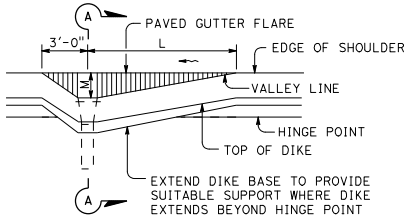
P	10"	15"	18"	21"	27"
Q	8"	12"	15"	18"	24"

Slip joint to be same thickness as downdrain pipe.

Dia	Min L	M	N
8"	10'-0"	1'-6"	8"
12"	15'-0"	1'-8"	1'-0"
15"	25'-0"	2'-0"	1'-3"
18"	30'-0"	2'-6"	1'-4"
24"	40'-0"	3'-0"	1'-6"

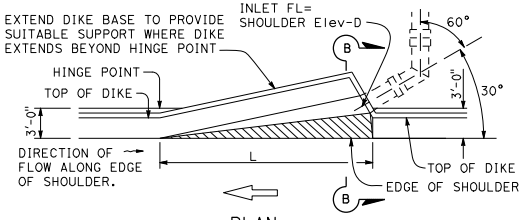
NOTES:

1. Cable, slip joint or anchor assembly to be used when specified.
2. Slip joint to be omitted when completely buried.
3. Slip joint for Type 1 entrance taper shown. Type 2 similar.



PLAN

MOUNTABLE DIKE TYPE 1

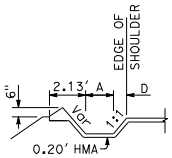


PLAN

MOUNTABLE DIKE TYPE 2

(For use on full freeway sections ONLY with grades of 2% or greater)

Dia D	Min L
8"	15'
12"	20'
15"	30'
18"	35'
24"	45'



SECTION B-B

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CORRUGATED METAL PIPE DOWNDRAIN DETAILS

NO SCALE

ENTRANCE TAPER AND PIPE DOWNDRAIN

D87A

1-31-23

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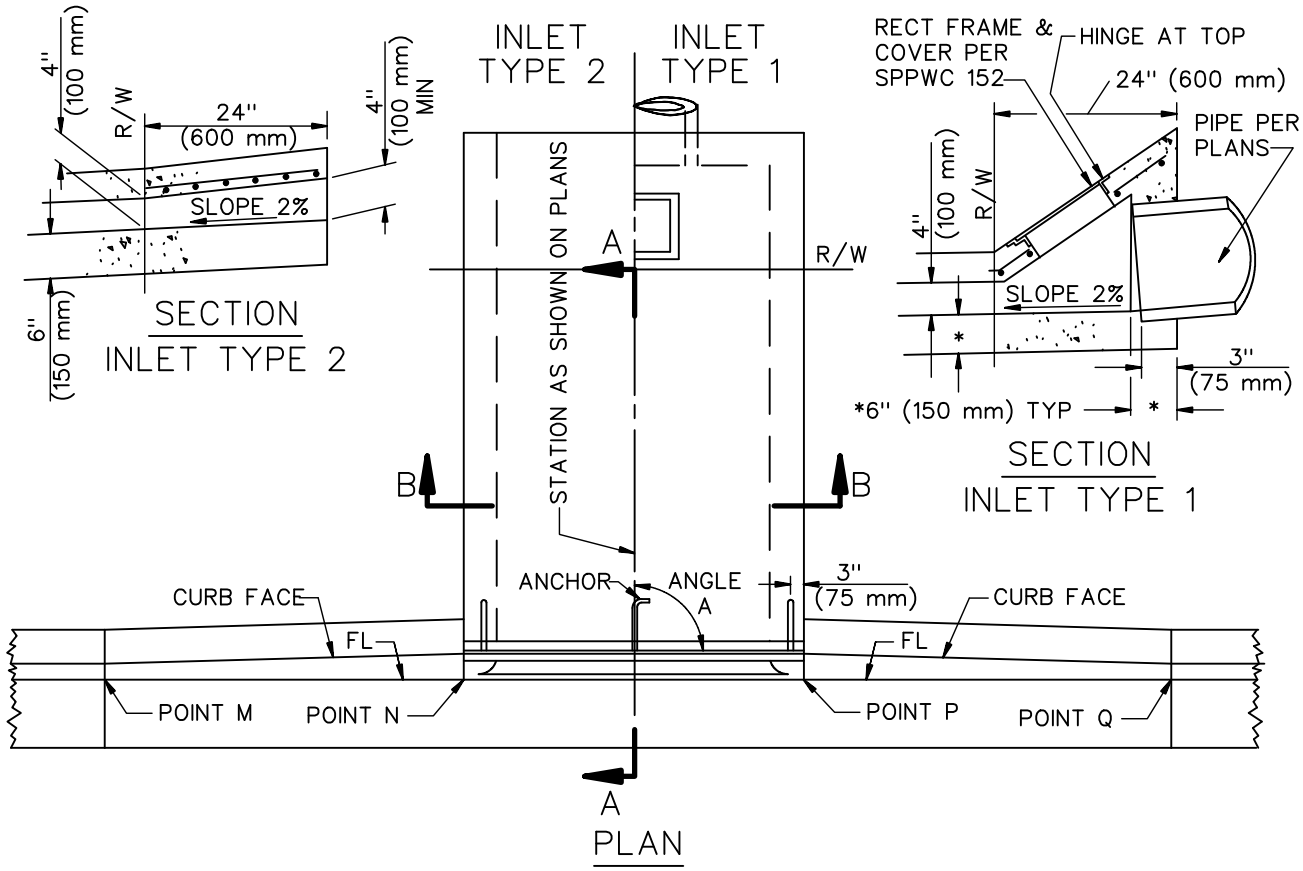
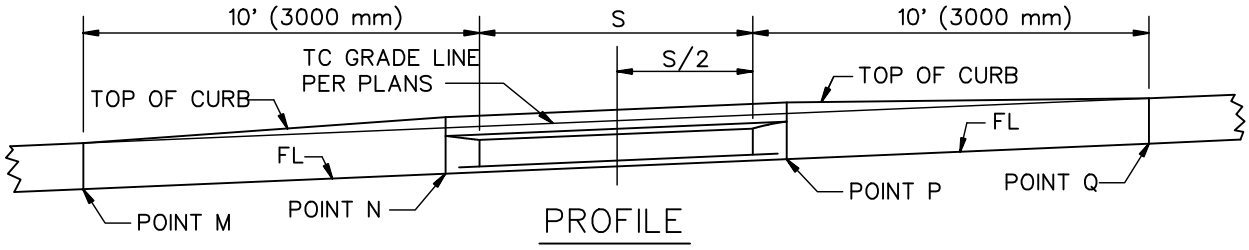
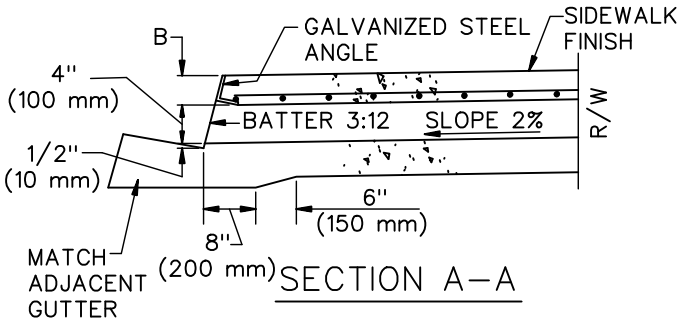
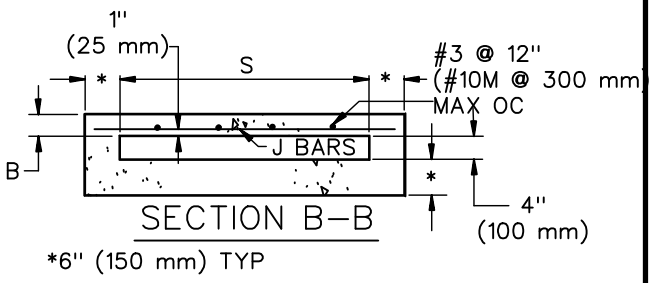




S	J BAR SPACING	ANCHORS	NOTE
12" (300 mm)	7" (180 mm)	2	9
18" (450 mm)	7" (180 mm)	2	9
24" (600 mm)	7" (180 mm)	2	9
30" (750 mm)	7" (180 mm)	2	9
36" (900 mm)	7" (180 mm)	3	9
42" (1050 mm)	6" (150 mm)	3	9
48" (1200 mm)	5" (125 mm)	3	9
54" (1350 mm)	6–1/2" (165 mm)	3	10
60" (1500 mm)	5" (125 mm)	3	10
66" (1650 mm)	4" (100 mm)	3	10
72" (1800 mm)	3–1/2" (90 mm)	3	10





STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1993 REV. 1996, 2009, 2021

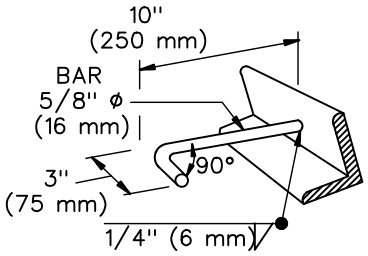
PARKWAY DRAIN

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN

151–3

SHEET 1 OF 2

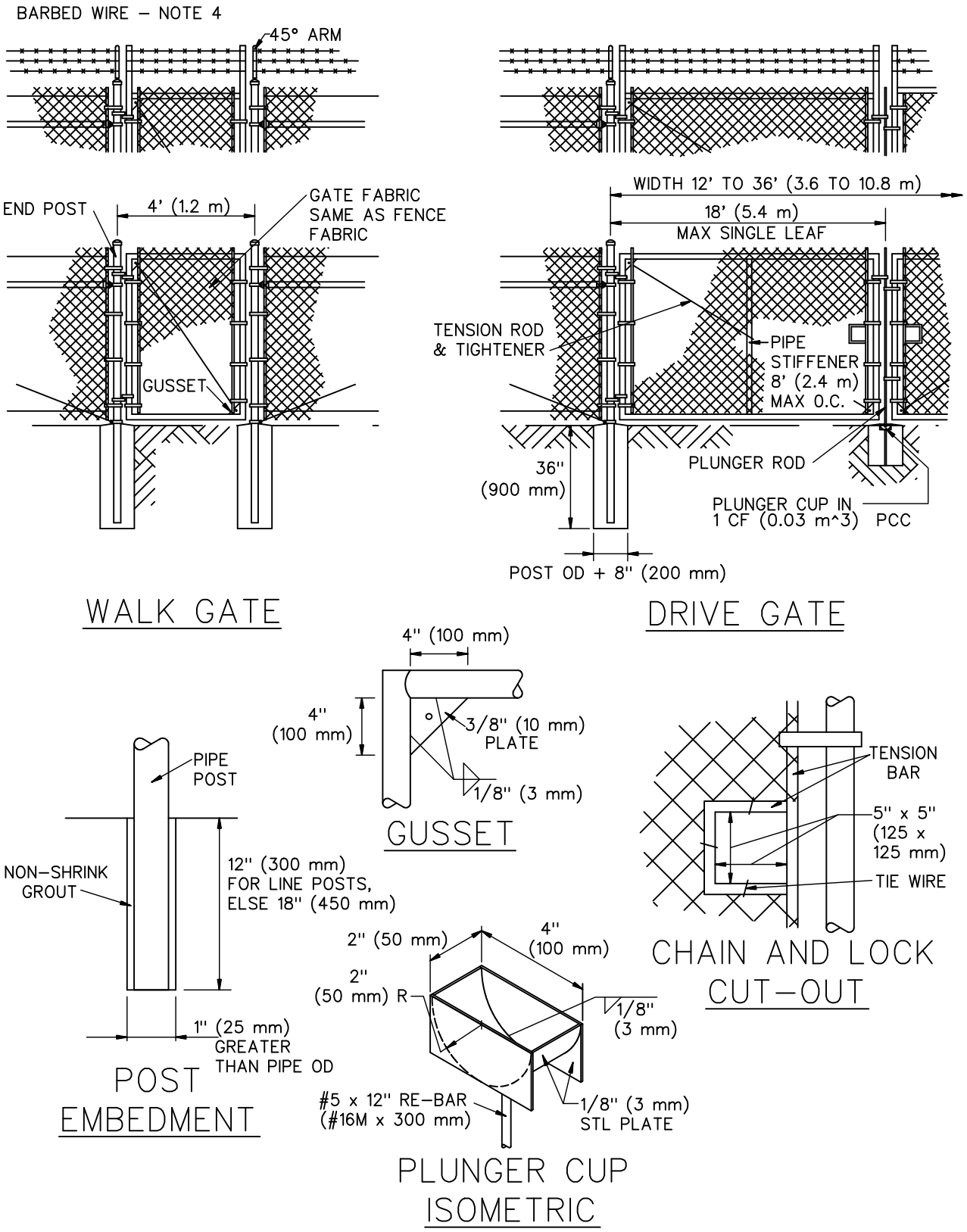


DETAIL OF ANCHOR

NOTES

1. FLOOR OF BOX SHALL BE TROWLED SMOOTH.
2. IF THE TOE OF SLOPE IS ALLOWED WITHIN THE R/W, INLET TYPE 1 BEGINS AT THE TOE RATHER THAN AT THE R/W LINE.
3. FOR OPEN DITCH (TYPE 2), THE 24" (600 mm) EXTENSION BEYOND THE R/W LINE IS NOT REQUIRED WHEN BACK OF WALK IS 24" (600 mm) OR MORE FROM THE R/W LINE; HOWEVER, THE PARKWAY DRAIN SHALL EXTEND TO THE R/W LINE IN ANY EVENT.
4. TOP OF INLET STRUCTURE (TYPE 1 & 2) SHALL BE FLUSH WITH ADJACENT SURFACE WHERE PRACTICAL.
5. A HEADED STEEL STUD 5/8" x 6–3/8" WITH A 1" HEAD (16 x 160 mm, 25 mm HEAD) ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
6. NORMAL CURB FACE AT POINT M AND Q. CURB FACE IS B + 5" (125 mm) AT POINT N AND P.
7. THE 3" (75 mm) LEG OF THE 5/8" (16 mm) DIA ANCHORS SHALL BE PARALLEL TO THE TOP OF SIDEWALK.
8. J BARS ARE #3 (#10M).
9. FOR S = 48" (1200 mm) AND LESS, B = 3" (75 mm). USE 2–1/2" x 2" x 3/8" (64 x 51 x 9.5 mm) GALVANIZED STEEL ANGLE.
10. FOR S = 54" (1350 mm) OR MORE, B = 4" (100 mm). USE 3–1/2" x 3" x 1/2" (89 x 76 x 12.7 mm) GALVANIZED STEEL ANGLE.
11. ANGLE A EQUALS 90° UNLESS OTHERWISE SPECIFIED.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
PARKWAY DRAIN	**151–3**
	SHEET 2 OF 2



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

CHAIN LINK FENCE AND GATES

STANDARD PLAN

600–4

SHEET 2 OF 3

NOTES:

1. SECURE DRIVE–FIT GALVANIZED CAP TO POST WITH 1/4" (6 mm) ROUND–HEAD RIVET.

2. H DENOTES FABRIC WIDTH AND NOMINAL FENCE HEIGHT. H = 5' (1.5 m) UNLESS OTHERWISE NOTED.

3. IF FENCE WITH TOP RAIL IS SPECIFIED, DELETE STEEL TENSION WIRE AT TOP, AND PIPE RAILS AT INTERMEDIATE, SLOPE, END AND CORNER POSTS. EXTEND TENSION ROD TO TOP RAIL.

4. BARBED WIRE SHALL BE USED ONLY WHEN SPECIFIED.

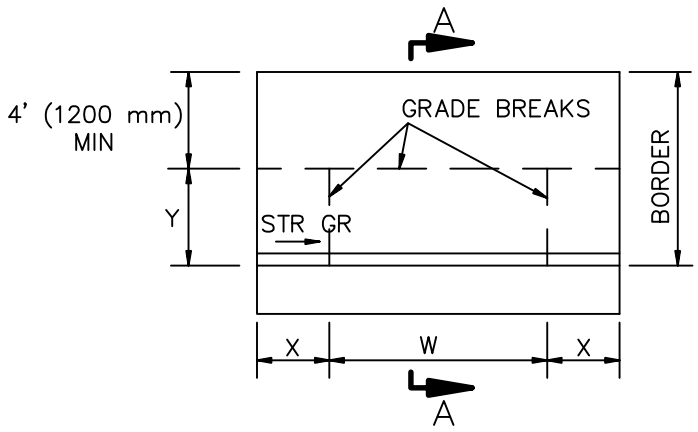
5. POST SPACING IS MAXIMUM 10' (3.0 m).

6. FILL CLEAR OPENINGS GREATER THAN 3" (75 mm) WITH FABRIC. FOR OPENINGS LESS THAN 18" (450 mm), TIE FABRIC TO POSTS.

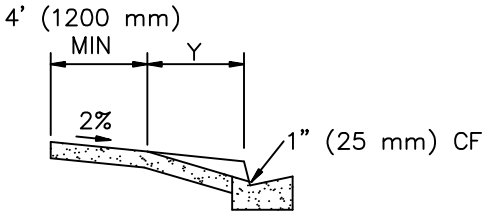
7. USE ONE POST FOR COMBINED SLOPE AND CORNER POST IF TOP OF CHANNEL WALL IS CONSTRUCTED AS SHOWN FOR "ALTERNATE".

8. STEEL BANDS AT TENSION BARS SHALL BE 1/8" x 1" (3 x 25 mm), MINIMUM, SPACED AT MAXIMUM 16" (400 mm).

9. SECURE TENSION WIRES TO EACH LINE POST WITH TIE WIRES.

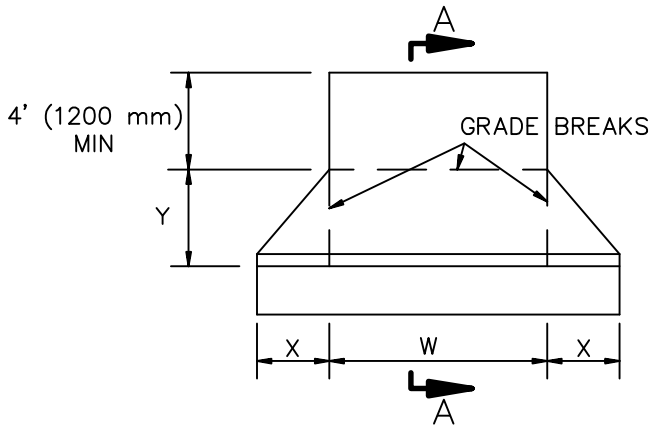


TYPE A



SECTION A–A

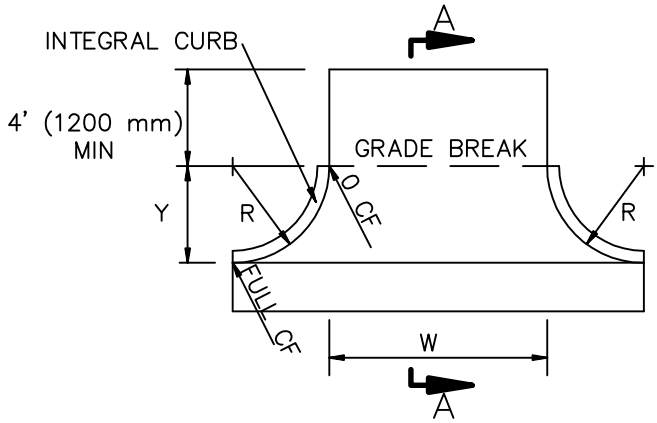
CURB FACE, inches (mm)	X, inches (mm)	Y, inches (mm)
6" (150) or less	3'–0" (900)	4'–0" (1200)
7" (175)	3'–6" (1050)	4'–9" (1425)
8" (200)	4'–0" (1200)	5'–8" (1700)
9" (225)	4'–6" (1350)	6'–6" (1950)
10" (250)	5'–0" (1500)	7'–3" (2175)
11" (275)	5'–6" (1650)	8'–0" (2400)
12" (300) or more	6'–0" (1800)	8'–9" (2625)



TYPE B

NOTES:

1. RESIDENTIAL DRIVEWAYS SHALL BE 4" (100 mm) THICK PCC.
2. COMMERCIAL DRIVEWAYS SHALL BE 6" (150 mm) THICK PCC.
3. WEAKENED PLANE JOINTS SHALL BE INSTALLED AT BOTH SIDES OF A DRIVEWAY AND AT 10' (3.0 m) INTERVALS.
4. CURB FOR TYPE C DRIVEWAY SHALL BE INTEGRAL AND MATCH ADJACENT CONSTRUCTION.
5. REFER TO LOCAL DEVELOPMENT REGULATIONS FOR AMERICANS WITH DISABILITIES ACCESS REQUIREMENTS AND MAXIMUM PERMITTED DRIVEWAY WIDTHS.



TYPE C

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

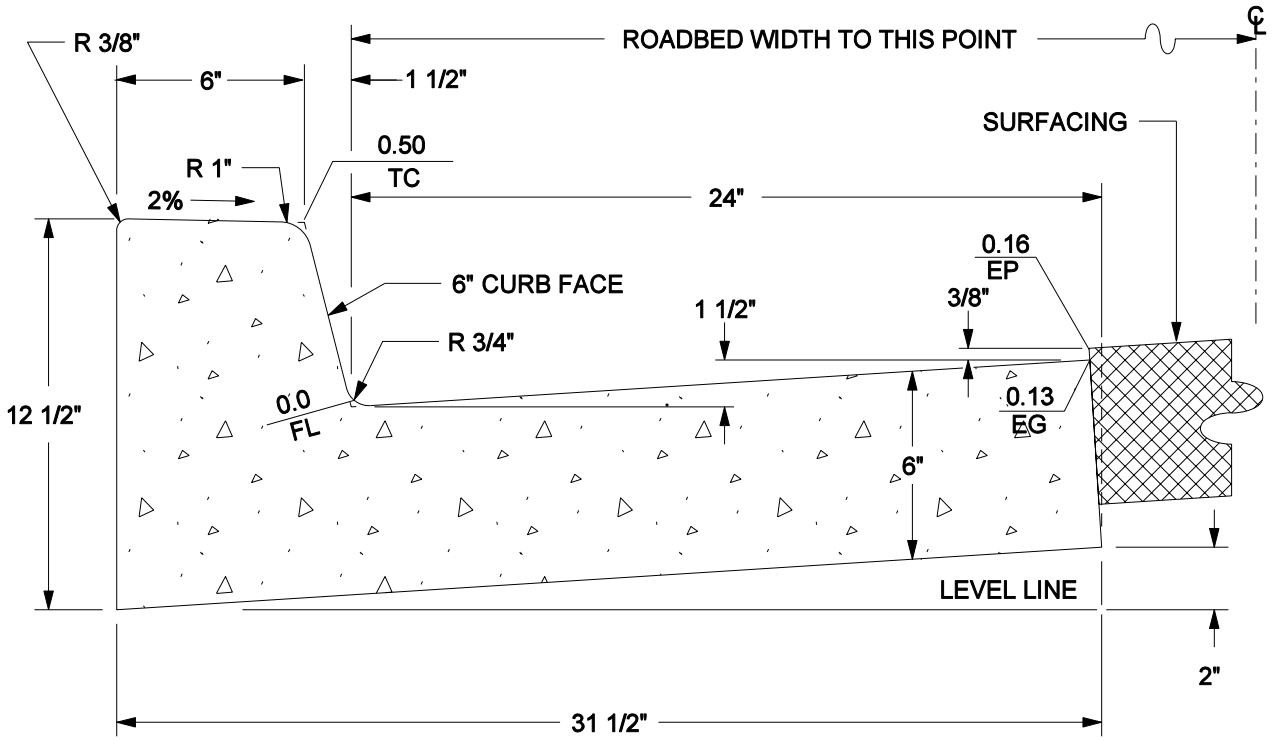
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1984 REV. 1996, 2009

DRIVEWAY APPROACHES

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN 110–2

SHEET 1 OF 1



CLASS "B" CONCRETE

1.601 CU. FT. / L.F.

1 CU. YD. = 16.86 L.F.

ABBREVIATIONS:

TC = TOP OF CURB
FL = FLOWLINE
EG = EDGE OF GUTTER
EP = EDGE OF PAVEMENT

APPROVED BY:

DATE: 05/01/07

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

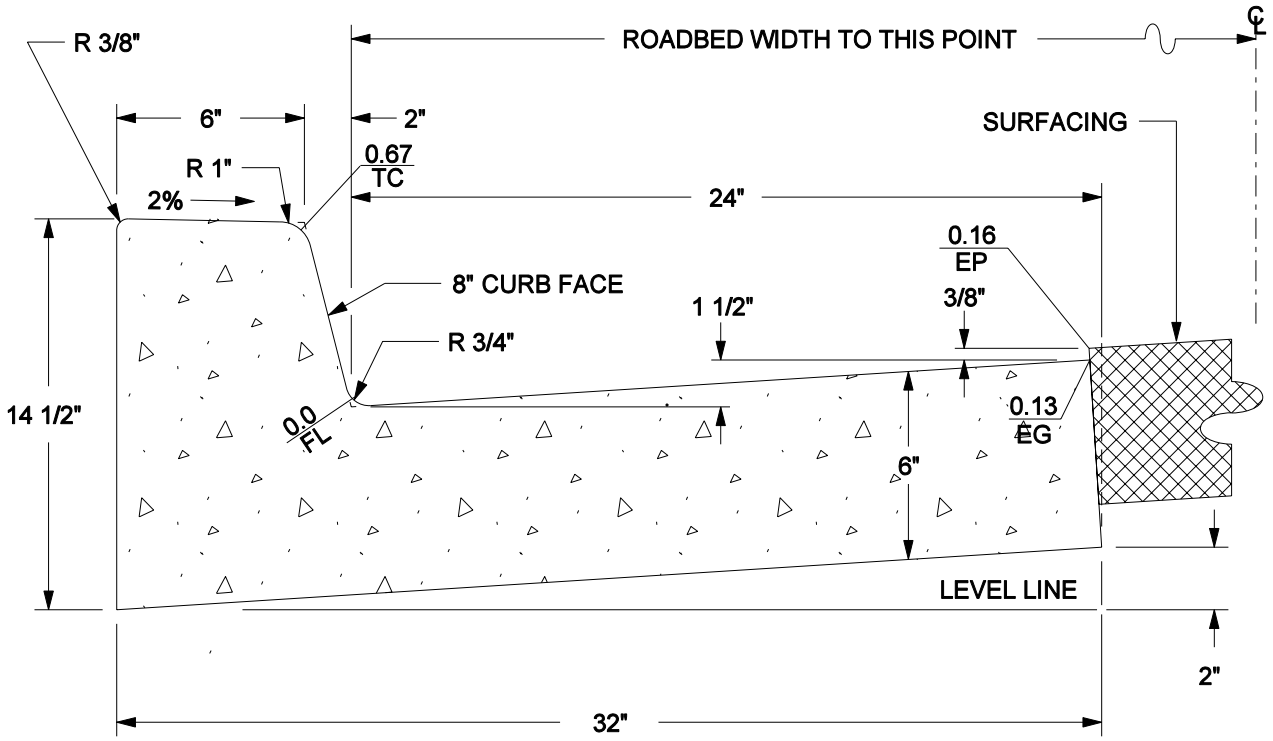
REGISTERED PROFESSIONAL ENGINEER GEORGE A. JOHNSON No. CE 42328 Exp. 3-31-08 CIVIL STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

TYPE A-6 CURB

STANDARD NO. 200

REVISIONS		REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
8-71, 9-88		1				4			
2-90, 11-04		2				5			
		3				6			



CLASS "B" CONCRETE

1.73 CU. FT. / L.F.

1 CU. YD. = 15.60 L.F.

ABBREVIATIONS:

TC = TOP OF CURB
FL = FLOWLINE
EG = EDGE OF GUTTER
EP = EDGE OF PAVEMENT

APPROVED BY:

DATE: 05/01/07

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

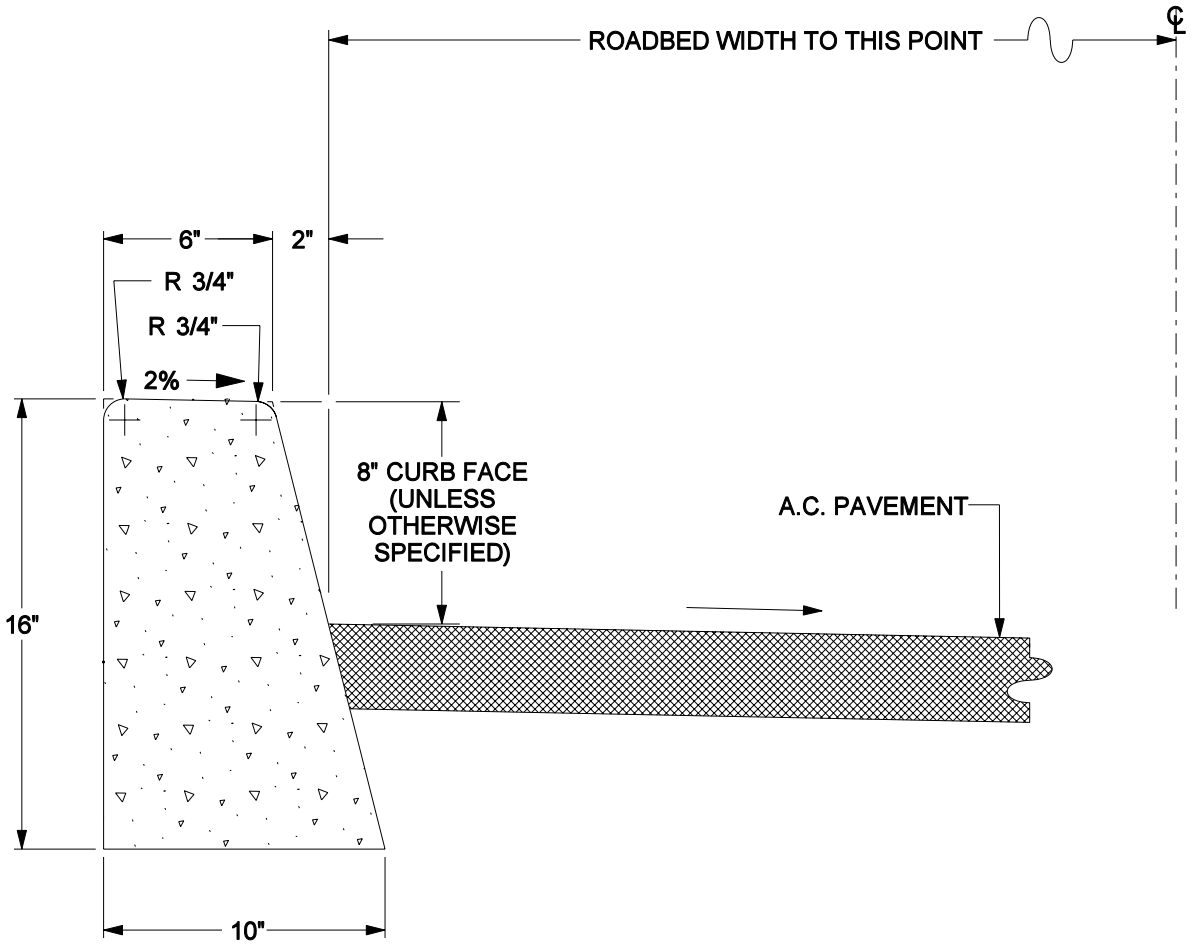
REGISTERED PROFESSIONAL ENGINEER
GEORGE A. JOHNSON
No. CE 42328
Exp. 3-31-08
CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

TYPE A-8 CURB

STANDARD NO. 201

REVISIONS		REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
8-71, 9-88		1				4			
2-90, 11-04		2				5			
		3				6			



CLASS "B" CONCRETE

0.888 CU FT. / L.F.

1 CU. YD. = 30.41 L.F.

APPROVED BY:

DATE: 05/01/07

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

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GEORGE A. JOHNSON
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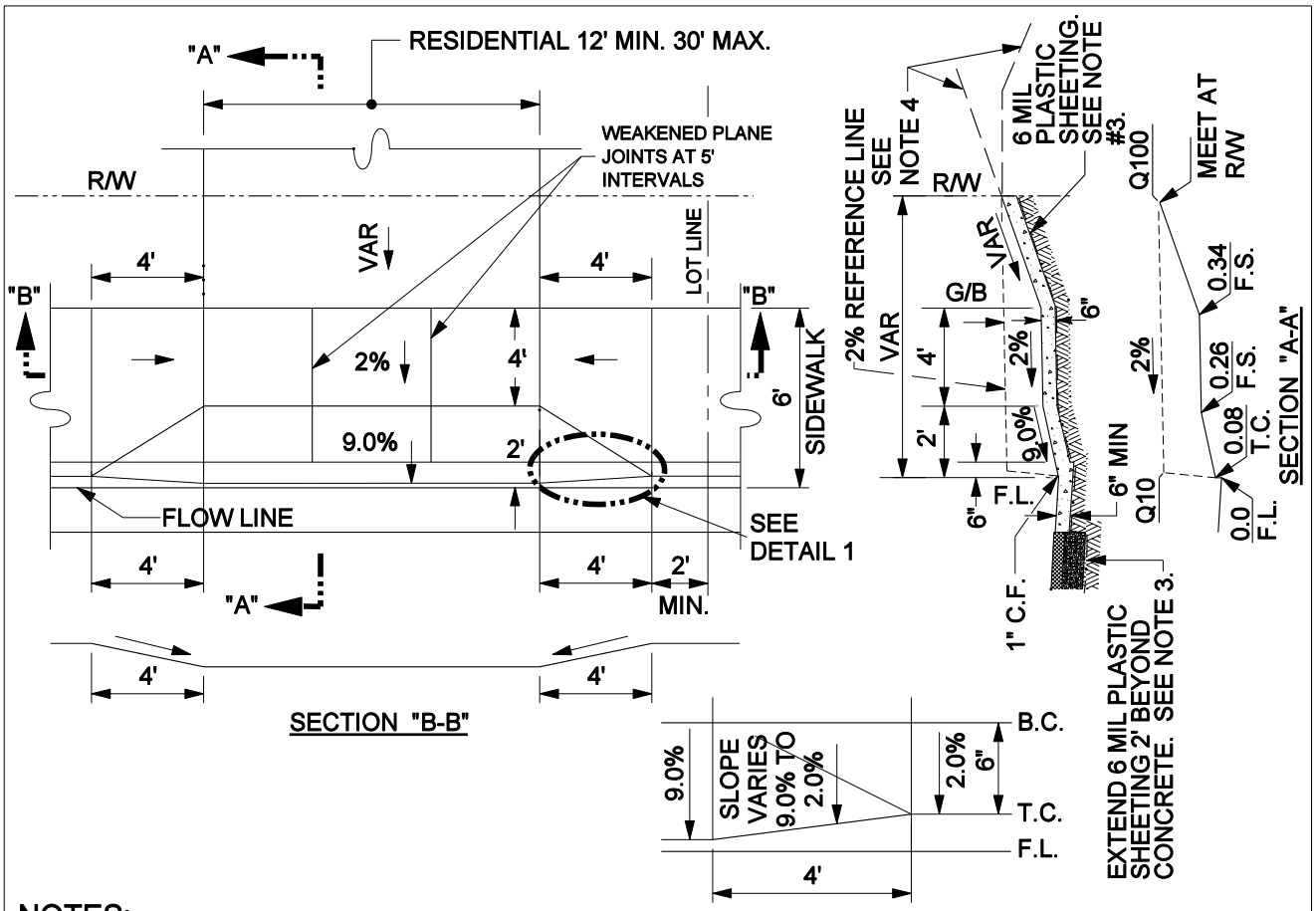
CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

TYPE "D" CURB

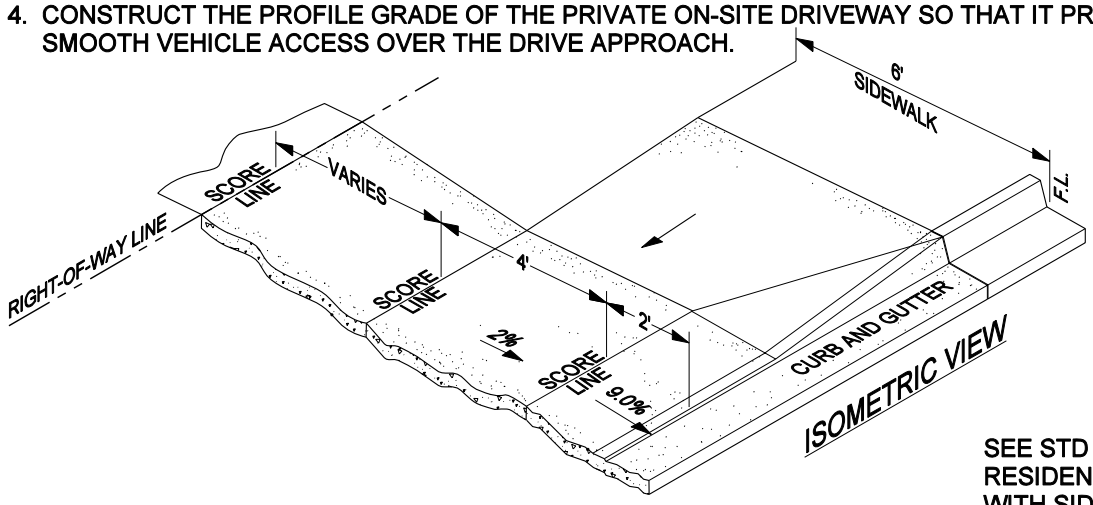
STANDARD NO. 204

REVISIONS		REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
8-71, 2-90		1				4			
11-04		2				5			
		3				6			



NOTES:

1. ALL CONSTRUCTION SHALL BE CLASS "3" CONCRETE.
2. 20' OF FULL-HEIGHT CURB REQUIRED BETWEEN DRIVEWAYS WITHIN ANY ONE PROPERTY FRONTAGE.
3. USE 6 MIL PLASTIC SHEETINGWHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, SPECIAL CONSIDERATIONS ARE REQUIRED. SEE SPECIFICATIONS (SECTION 16.04).
4. CONSTRUCT THE PROFILE GRADE OF THE PRIVATE ON-SITE DRIVEWAY SO THAT IT PROVIDES SMOOTH VEHICLE ACCESS OVER THE DRIVE APPROACH.



SEE STD NO. 213 FOR RESIDENTIAL DRIVEWAY WITH SIDEWALK AT R/W

NOT TO SCALE

APPROVED BY:

DATE: 11/15/04

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

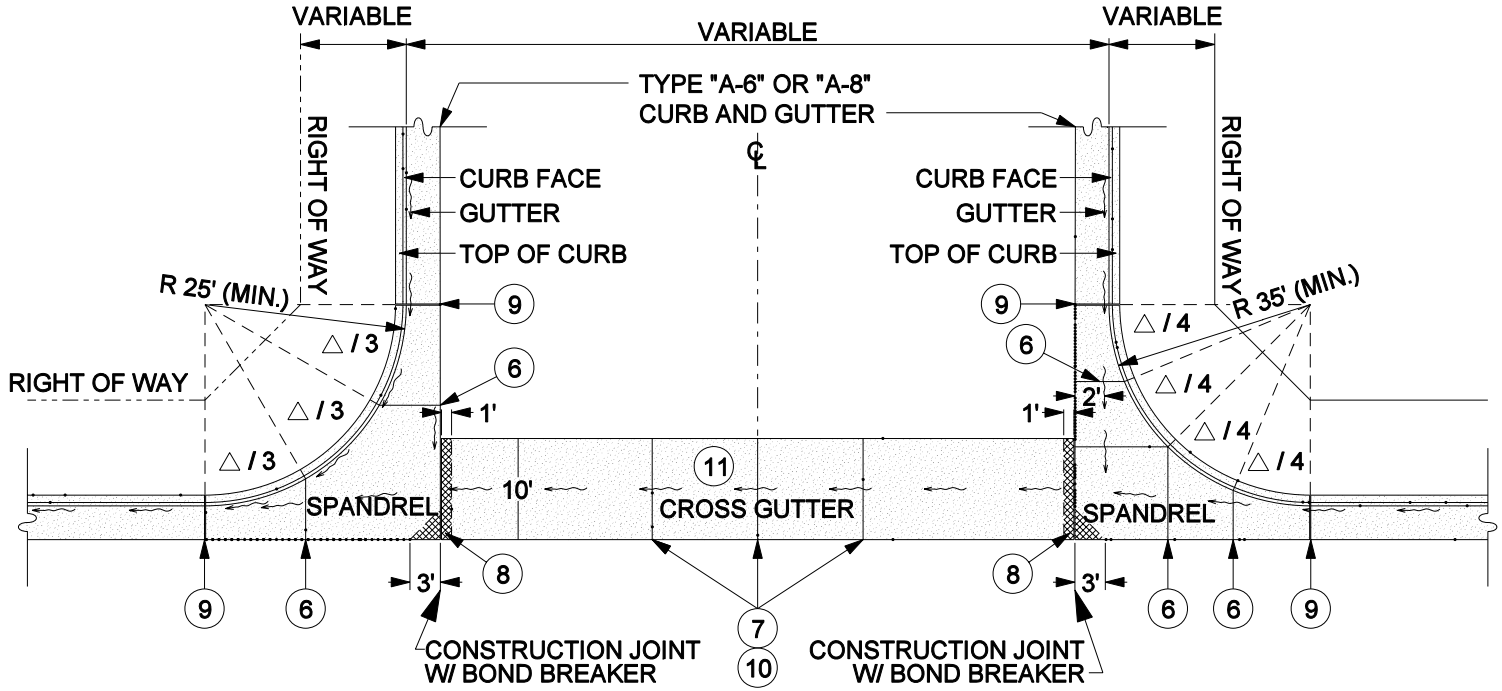
REGISTERED PROFESSIONAL ENGINEER GEORGE A. JOHNSON No. CE 42328 Exp. 3-31-06 CIVIL STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

RESIDENTIAL DRIVEWAY WITH SIDEWALK AT CURB

STANDARD NO. 207

REVISIONS		REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
8-71, 8-77	11-04	1				4			
5-80, 2-82		2				5			
2-90, 12-97		3				6			



NOT TO SCALE

1. CROSS GUTTER FOR USE WITH TYPES "A-6" AND "A-8" CURB.
2. APRON THICKNESS TO BE 8" MINIMUM.
3. CROSS GUTTER THICKNESS TO BE 8" MINIMUM.
4. CLASS "A" CONCRETE.
5. PLACE MIN. 6" BASE UNDER ENTIRE SPANDREL AND CROSS GUTTER AREA.
6. WEAKENED PLANE JOINTS TO BE CONSTRUCTED AT 1/3 POINTS ON 25' RADIUS SPANDRELS, AND AT 1/4 POINTS ON 35' RADIUS SPANDRELS.
7. CONSTRUCT WEAKENED PLANE JOINT(S) PER STANDARD #205 AT MIDPOINT OF CROSS GUTTERS LESS THAN 40' LONG, OR AT 1/3 POINTS OF CROSS GUTTERS OF 40' OR LONGER.
8. THIS PORTION OF SPANDREL AND CROSS GUTTER SHALL BE CONSTRUCTED WITH 12 INCH THICK, CLASS "A" CONCRETE.
9. CONSTRUCT EXPANSION JOINT PER STANDARD # 205.
10. CONSTRUCT WEAKENED PLANE JOINT PER STANDARD # 205.
11. CONSTRUCT CROSS GUTTER PER TYPICAL SECTION ON SHEET 2.
12. WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, SPECIAL CONSIDERATIONS ARE REQUIRED. SEE SPECIFICATIONS (SECTION 16.04).

APPROVED BY:

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

DATE: 05/01/07

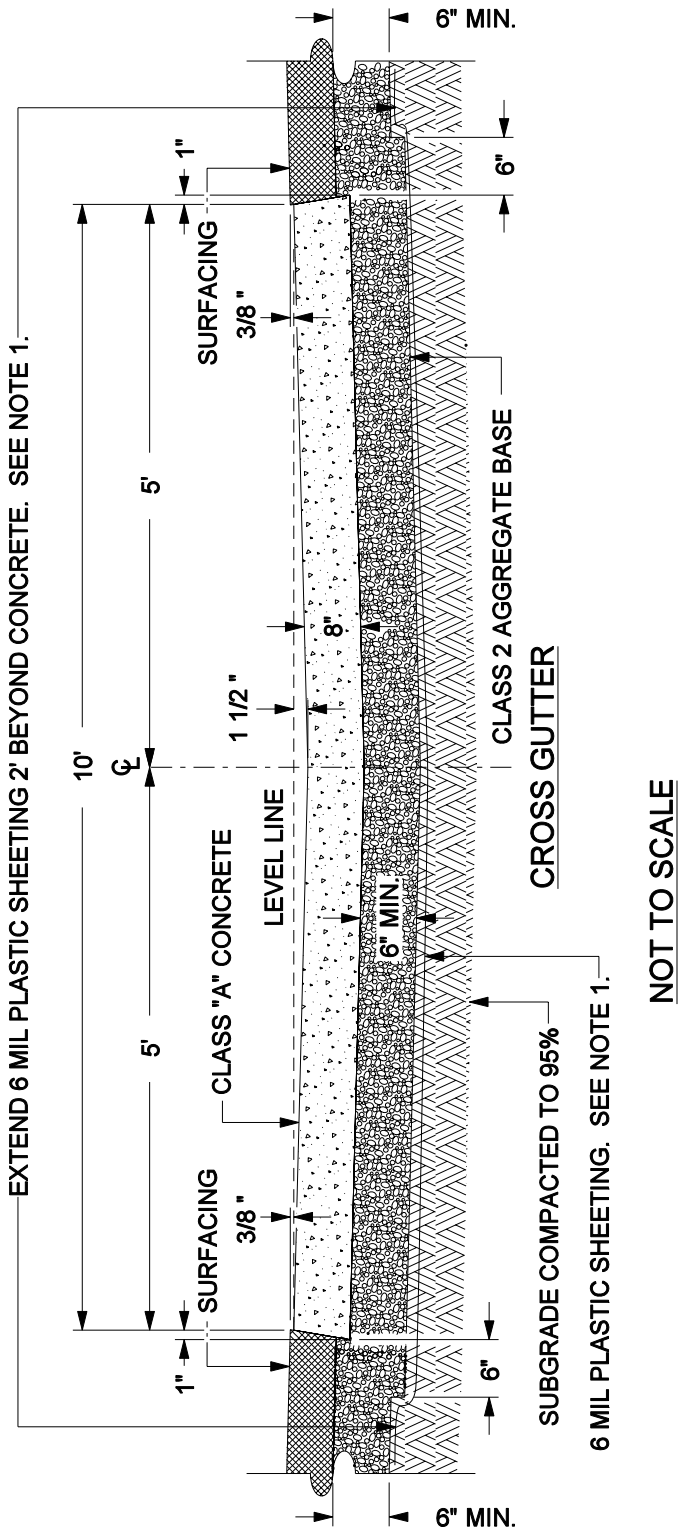
REGISTERED PROFESSIONAL ENGINEER
GEORGE A. JOHNSON
No. CE 42328
Exp. 3-31-08
Civil
STATE OF CALIFORNIA

REVISIONS	REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
11-77, 8-82	1				4			
9-88, 2-90	2				5			
11-04	3				6			

COUNTY OF RIVERSIDE

CROSS GUTTER (LAYOUT)

STANDARD NO. 209 (1 OF 2)



CROSS GUTTER

NOT TO SCALE

NOTE

1. WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, SPECIAL CONSIDERATIONS ARE REQUIRED. SEE SPECIFICATIONS (SECTION 16.04).

APPROVED BY:

DATE: 05/01/07

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

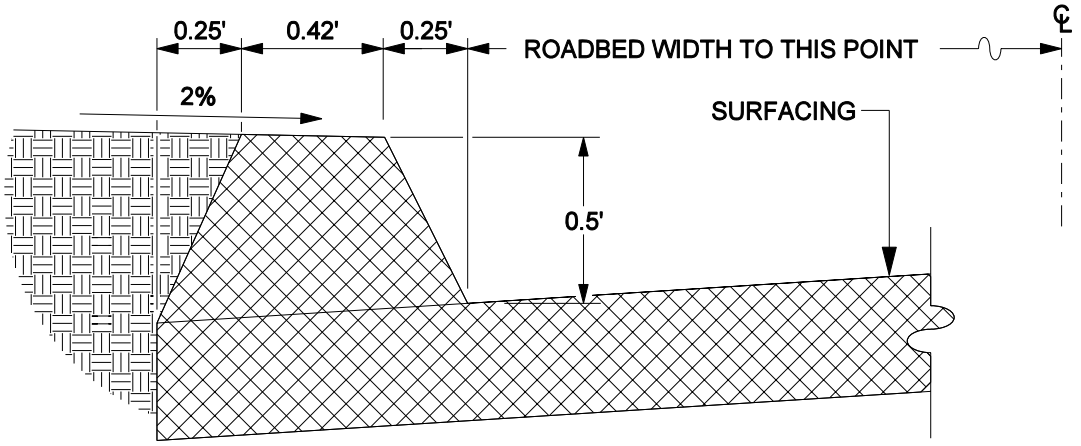
REGISTERED PROFESSIONAL ENGINEER
GEORGE A. JOHNSON
No. CE 42328
Exp. 3-31-08
CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

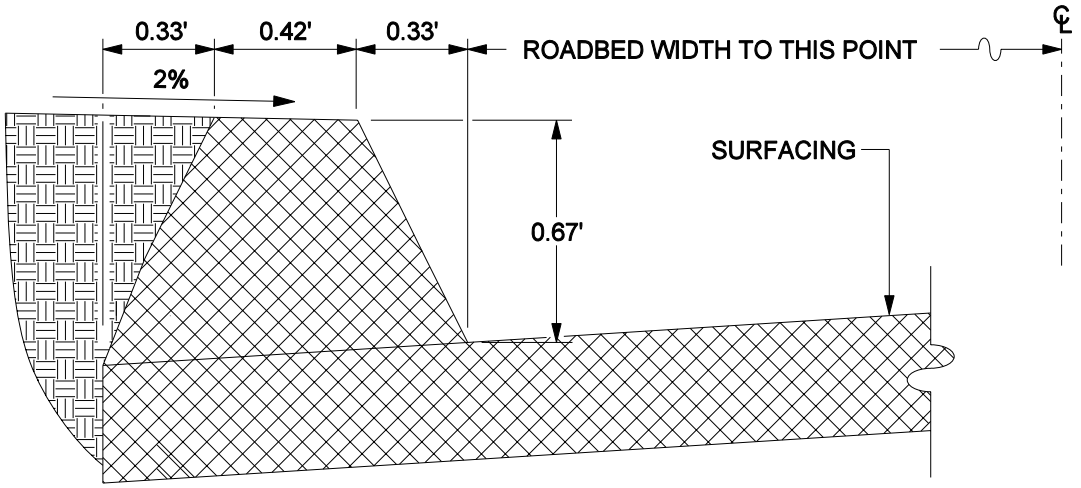
CROSS GUTTER (TYPICAL SECTION)

STANDARD NO. 209 (2 OF 2)

REVISIONS		REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
8-71, 9-88		1				4			
2-90, 12-97		2				5			
11-04		3				6			



6" A.C. DIKE



8" A.C. DIKE

NOT TO SCALE

NOTE: A.C. DIKE REQUIRED WHERE FILL SLOPES ARE STEEPER THAN 4:1, MATERIAL IS SUSCEPTIBLE TO EROSION, OR WHERE ROADWAY GRADIENT EXCEEDS 3%.

APPROVED BY:

DATE: 05/01/07

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

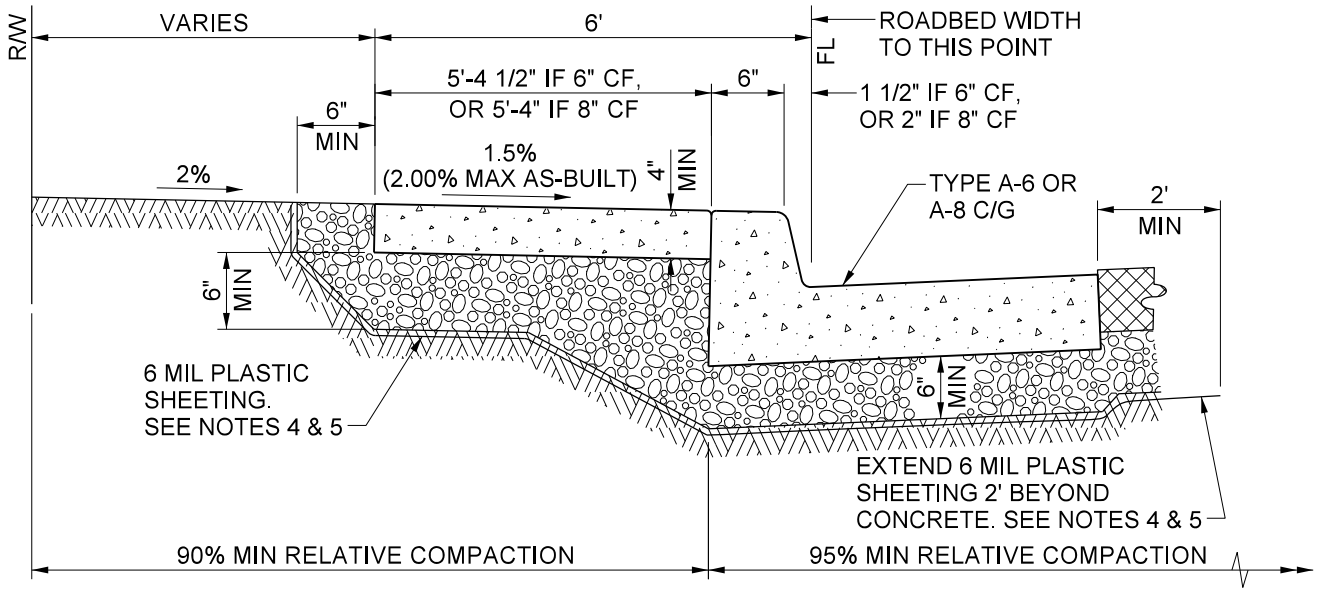
REGISTERED PROFESSIONAL ENGINEER
GEORGE A. JOHNSON
No. CE 42328
Exp. 3-31-08
CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

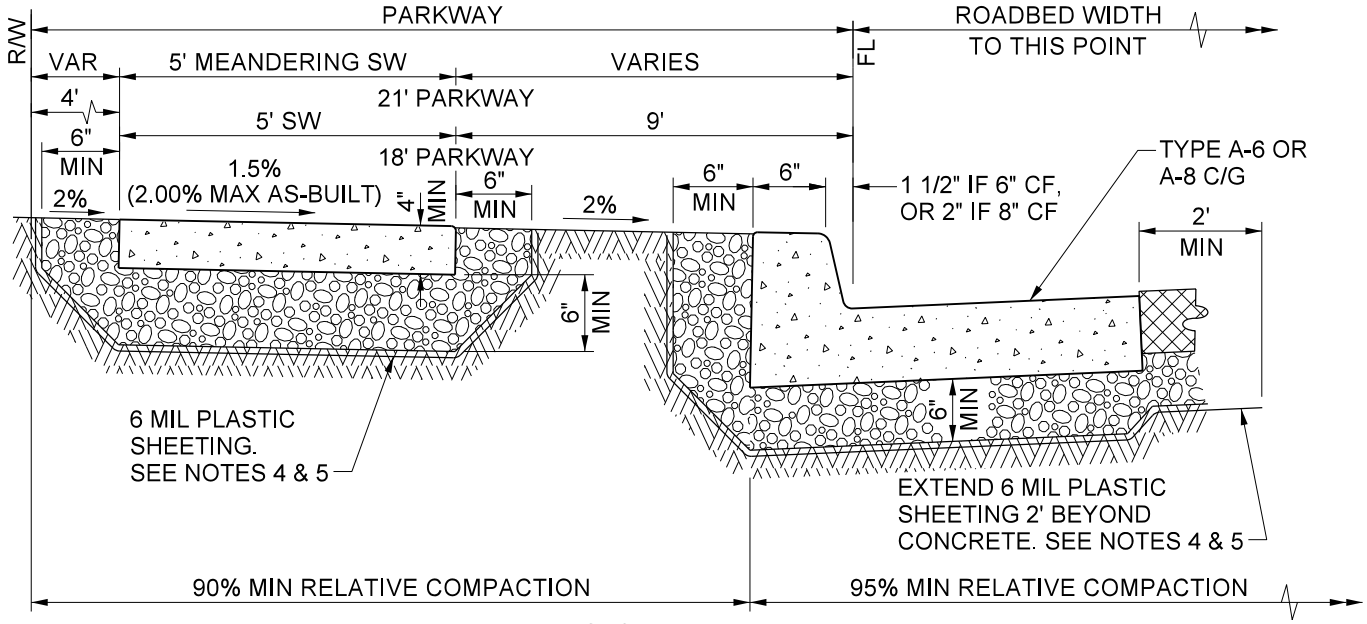
ASPHALT CONCRETE DIKES

STANDARD NO. 212

REVISIONS		REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
		1				4			
		2				5			
		3				6			



SIDEWALK ADJACENT TO CURB



MEANDERING SIDEWALK IN 21' PARKWAY
SIDEWALK NOT ADJACENT TO CURB IN 18' PARKWAY

NOTES:

1. ALL CONSTRUCTION SHALL BE CONCRETE WITH MINIMUM CEMENTITIOUS MATERIAL CONTENT = 505 LB/CU YD.
2. TO MAINTAIN PUBLIC PEDESTRIAN ACCESS, TEMPORARY TRAP FENCES FOR MODEL HOMES SHALL BE PLACED BEHIND PUBLIC SIDEWALK AND NOT BETWEEN PUBLIC SIDEWALK AND CURB.
3. FOR EXPANSIVE SOIL, PLACE 6" MIN CLASS 2 AGGREGATE BASE UNDER CONCRETE IMPROVEMENTS AS DIRECTED BY THE ENGINEER. SEE STANDARD SPECIFICATIONS SECTION 16.03.
4. WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, USE MODIFIED CONCRETE MIX AND PLACE 6" MIN CLASS 2 AGGREGATE BASE AND 6 MIL PLASTIC SHEETING UNDER AND AROUND ALL SIDES OF CONCRETE IMPROVEMENTS AND STRUCTURES. SEE COUNTY STANDARD SPECIFICATION SECTION 16.04.
5. WHEN USING 6 MIL PLASTIC SHEETING, PLACE THE SHEETING BETWEEN THE CLASS 2 AGGREGATE BASE AND THE COMPACTED NATIVE SOIL. EXTEND THE SHEETING 2 FEET BEYOND THE EDGE OF CONCRETE GUTTER INTO THE ROADWAY. IN ORDER TO PREVENT DAMAGE TO THE PLASTIC SHEETING RESULTING FROM LATER GRADING AND COMPACTING, PLACE THE EXTENDED 2 FEET OF SHEETING ONLY AFTER THE SUBGRADE HAS BEEN CERTIFIED BY THE SURVEYOR.

NOT TO SCALE

PREPARED UNDER THE SUPERVISION OF:

Mark Lancaster 11/30/22

DIRECTOR OF TRANSPORTATION DATE
MARK LANCASTER, P.E.

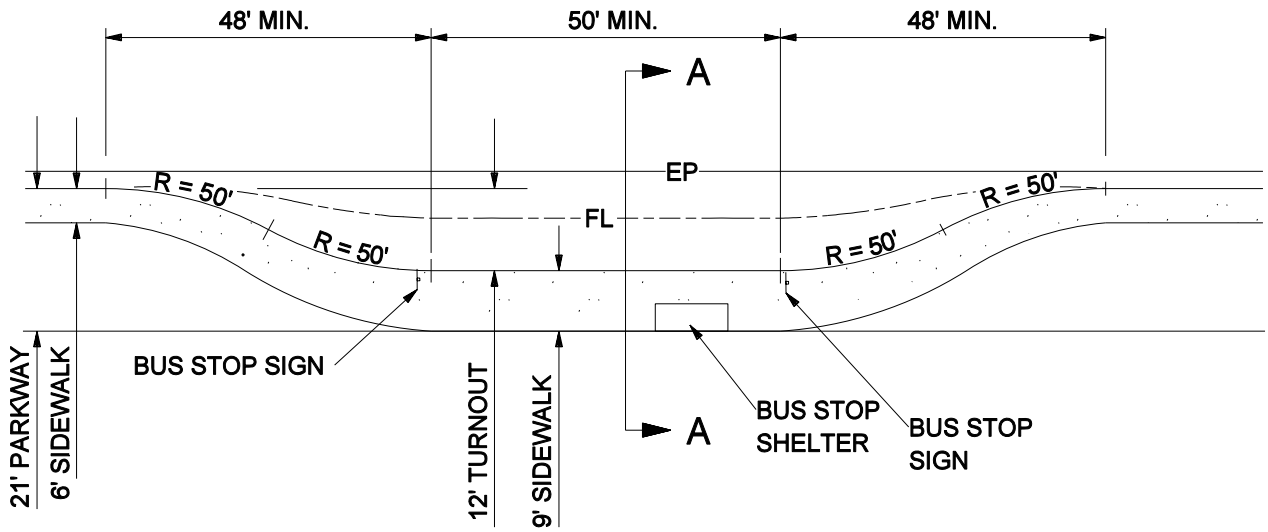
REVISION DESCRIPTION	MARK	DATE	APPROVED

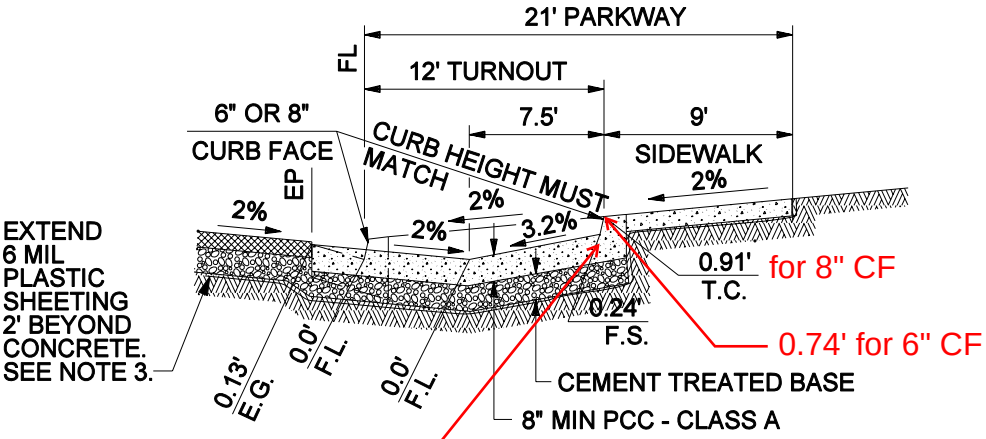
REGISTERED PROFESSIONAL ENGINEER
MARK ALAN LANCASTER
C48048
CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

SIDEWALK AND CURB

STANDARD No. 401





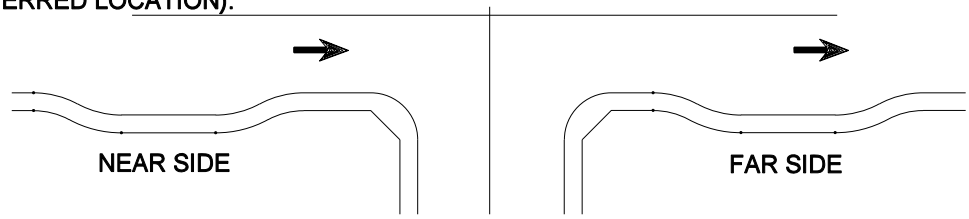
SECTION A-A NOT TO SCALE

CURB DATA

R = 50'
△ = 28° 21' 27"
L = 24.75'
T = 12.63'

NOTES:

1. THICKNESS OF PCC AND BASE DEPENDS UPON ADT VOLUME AND SOIL TYPE. STRUCTURAL SECTION CALCULATIONS ARE REQUIRED.
2. LOCATION OF BUS TURNOUT SHOULD BE AS APPROVED BY THE TRANSPORTATION DEPARTMENT, AND IN CONSULTATION WITH THE APPROPRIATE TRANSIT AGENCY. (FAR SIDE BUS TURNOUT IS THE PREFERRED LOCATION):



3. WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, SPECIAL CONSIDERATIONS ARE REQUIRED. SEE SPECIFICATIONS (SECTION 16.04).

APPROVED BY:

DATE: 05/01/07

DIRECTOR OF TRANSPORTATION
GEORGE A. JOHNSON, RCE 42328

REGISTERED PROFESSIONAL ENGINEER GEORGE A. JOHNSON No. CE 42328 Exp. 3-31-08 CIVIL STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

BUS TURNOUT

STANDARD NO. 814

12-97

REVISIONS		REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
11-04		1				4			
		2				5			
		3				6			

NOT TO SCALE

PREPARED UNDER THE SUPERVISION OF:

DIRECTOR OF TRANSPORTATION
MARK LANCASTER, P.E.

11/30/22
DATE

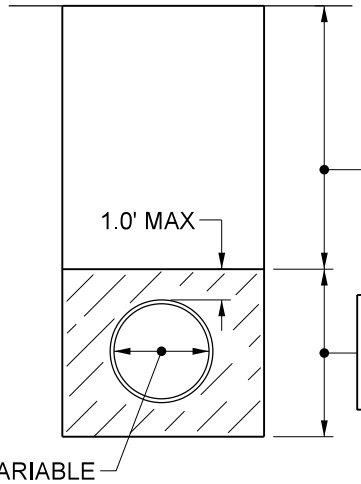
REVISION DESCRIPTION	MARK	DATE	APPROVED

REGISTERED PROFESSIONAL ENGINEER
MARK ALAN LANCASTER
C48048
CIVIL
STATE OF CALIFORNIA

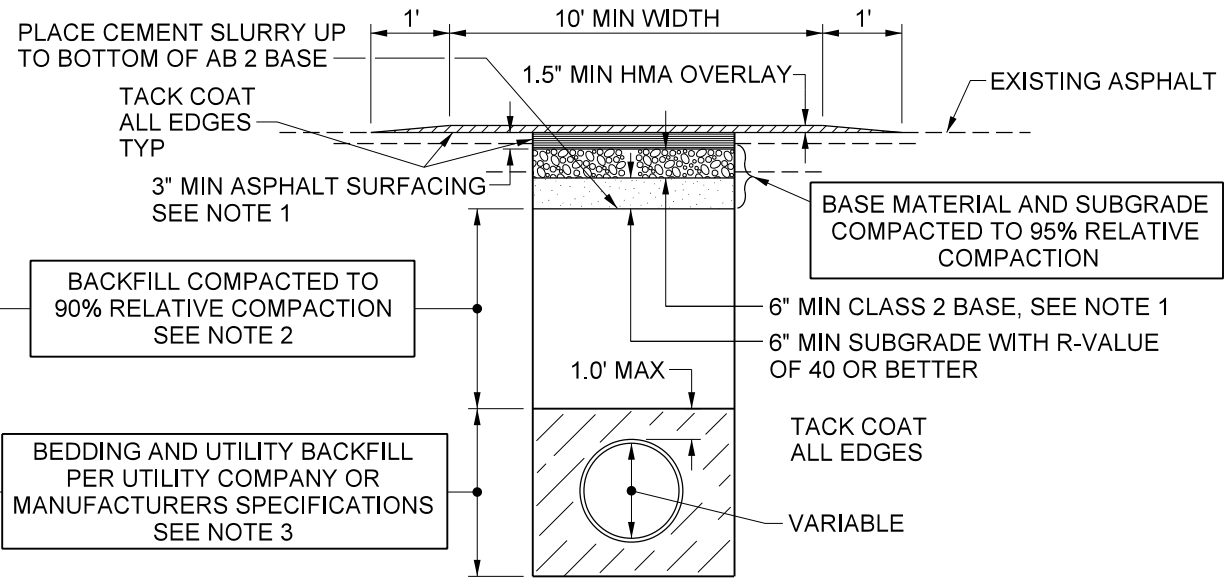
COUNTY OF RIVERSIDE

UTILITY TRENCH BACKFILL

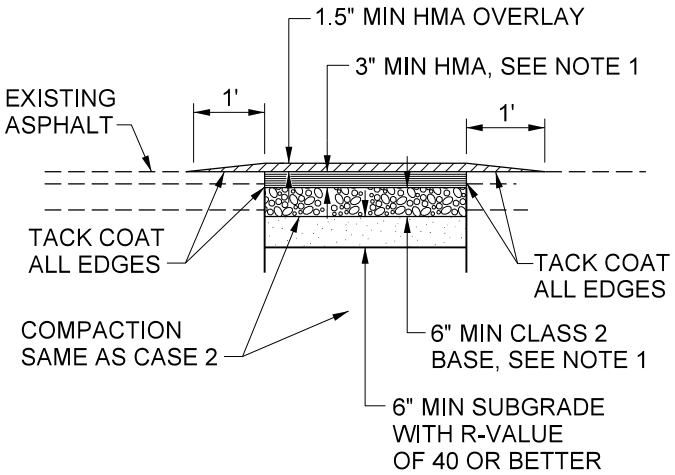
STANDARD No. 818



NON-ASPHALT SURFACED AREAS CASE 1



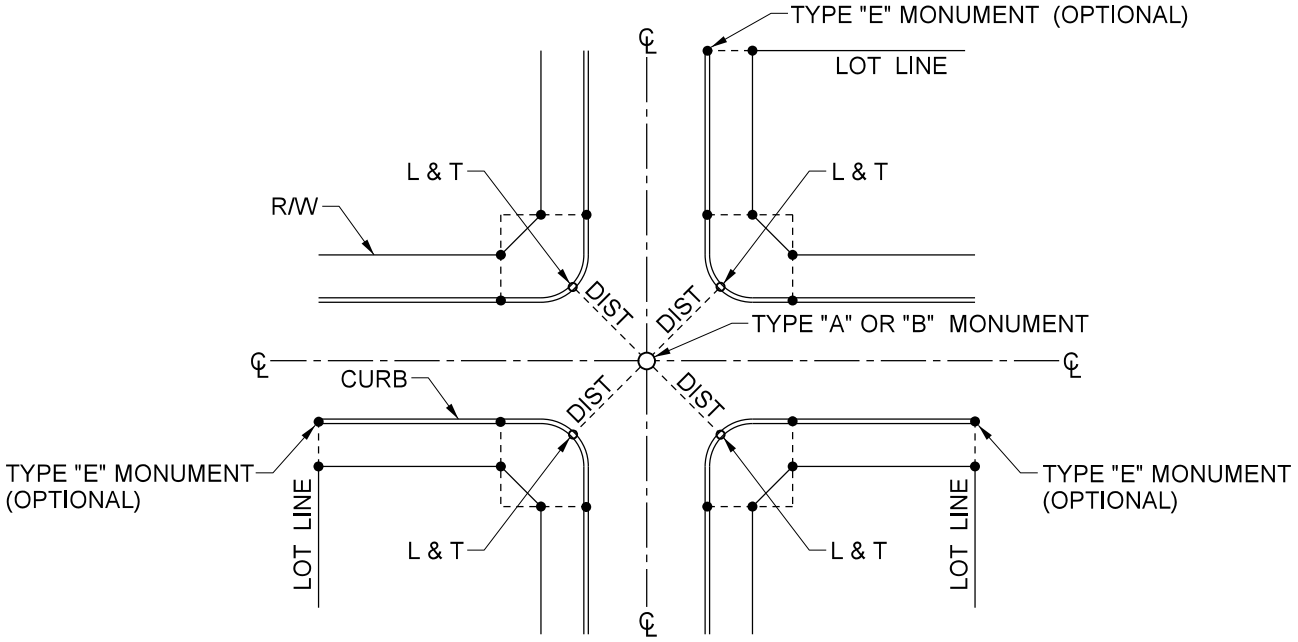
ASPHALT SURFACED STREETS WITH OVERLAY PARALLEL INSTALLATION CASE 2



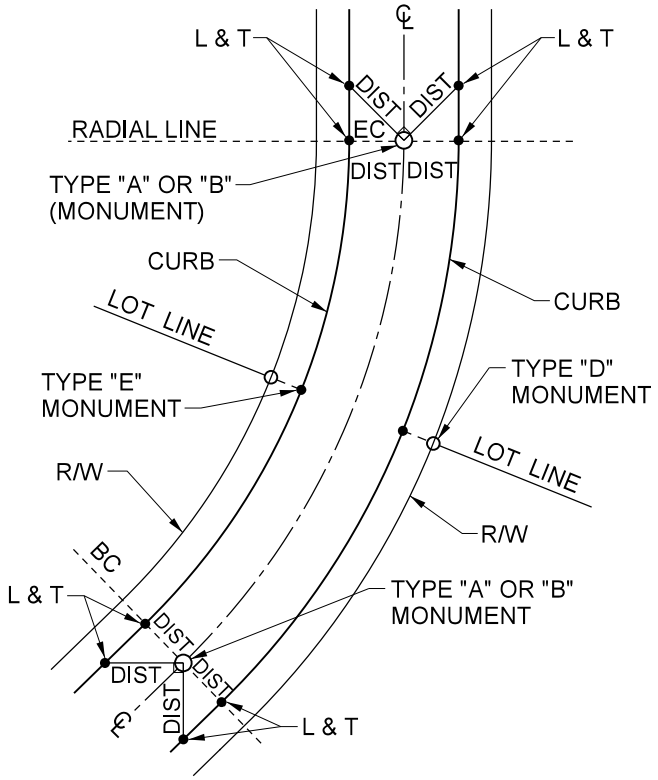
ASPHALT SURFACED STREET WITHOUT OVERLAY PERPENDICULAR INSTALLATION CASE 3

NOTES:

1. REPLACE STRUCTURAL SECTION AS FOLLOWS:
   SURFACING: EXISTING THICKNESS; OR 3" MIN HMA.
   BASE: CLASS 2 AB IN SAME THICKNESS AS EXISTING BASE.
   MATERIAL, 6" MIN AS DIRECTED BY THE INSPECTOR.
   IF A GEOSYNTHETIC MATERIAL (GEOGRID) IS ENCOUNTERED, TRENCH THROUGH GEOGRID AND PERFORM ONE OF THE FOLLOWING:
   1) REPLACE GEOGRID AT SAME ELEVATION WITH BUTT JOINT;
   2) DOUBLE THE THICKNESS OF EXISTING BASE; OR
   3) REPLACE EXISTING BASE WITH CEMENT SLURRY.
2. NO PONDING OR JETTING ALLOWED. A 1/2 SACK CEMENT SLURRY FOR DEEP(>4') AND 1 SACK CEMENT SLURRY FOR SHALLOW (<4') TRENCHES.
3. WHEN SOFT, SPONGY OR UNSUITABLE MATERIAL IN ENCOUNTERED, SUCH MATERIAL SHALL BE REMOVED TO THE LIMITS DIRECTED BY THE DIRECTOR OF TRANSPORTATION OR AFFECTED UTILITY COMPANY AND THE RESULTING EXCAVATION BACKFILLED WITH PIPE BEDDING MATERIAL.
4. WHEN REQUIRED IN THE ENCROACHMENT PERMIT OR AS DIRECTED BY THE INSPECTOR, THE NEW HMA SHOWN IN CASE 2 AND CASE 3 SHALL BE PLACED FLUSH WITH THE EXISTING ASPHALT. ADDITIONAL 1-FOOT GRNDING OF THE EXISTING ASPHALT BEYOND THE EXCAVATION LIMIT OF THE TRENCH SHALL BE REQUIRED AND AS DETERMINED BY THE COUNTY.



MONUMENTING STREET INTERSECTIONS WHERE CURBS AND GUTTERS ARE INSTALLED



MONUMENTING BEGINNING AND ENDING OF CURVE

NOTES:

1. L & T SHOWN HEREON INDICATES A LEAD AND TACK OR STEEL PIN MONUMENT SET IN CONCRETE CURB.
2. A METAL IDENTIFICATION DISK SET WITH A LEAD AND TAG OR STEEL PIN MONUMENT WITNESS TO PROPERTY CORNER MAY BE SET ("E" MONUMENT), IN LIEU OF SETTING FRONT LOT CORNERS ("D" MONUMENT).
3. THE PI OF THE CURVE CENTERLINE OF A STREET MAY BE MONUMENTED IN LIEU OF EC & BC, IF THE PI FALLS WITHIN THE TRAVELED WAY. IT SHALL BE REFERENCED WITH L & T's IN CURB.
4. SEE MONUMENT SPECIFICATIONS SECTION 21 OF THIS ORDINANCE FOR TYPE "A", "D", & "E" MONUMENT DESCRIPTION AND STANDARD No. 903 FOR TYPE "B" MONUMENT DRAWING. SEE SPECIFICATIONS SECTION 21.07 OF THIS ORDINANCE FOR MONUMENT SCHEDULE.
5. TYING OUT BC'S AND EC'S WITH 90 DEGREE TIES INTO THE TANGENT.

NOT TO SCALE

PREPARED UNDER THE SUPERVISION OF:

Mark Lancaster 11/30/22

DIRECTOR OF TRANSPORTATION DATE
MARK LANCASTER, P.E.

REVISION DESCRIPTION	MARK	DATE	APPROVED

REGISTERED PROFESSIONAL ENGINEER
MARK ALAN LANCASTER
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CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE

STREET CENTERLINE MONUMENT

STANDARD No. 901

NOT TO SCALE

PREPARED UNDER THE SUPERVISION OF:

DIRECTOR OF TRANSPORTATION
MARK LANCASTER, P.E.

11/30/22
DATE

REVISION DESCRIPTION	MARK	DATE	APPROVED

REGISTERED PROFESSIONAL ENGINEER
MARK ALAN LANCASTER
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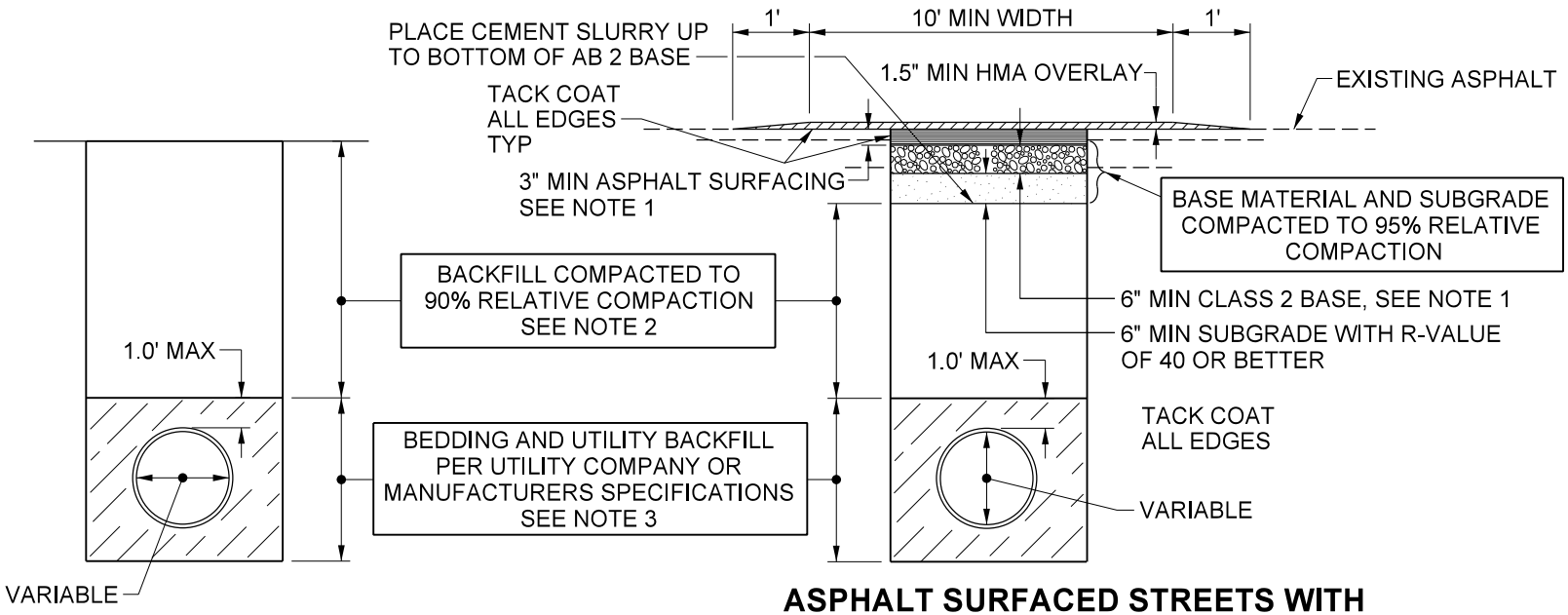
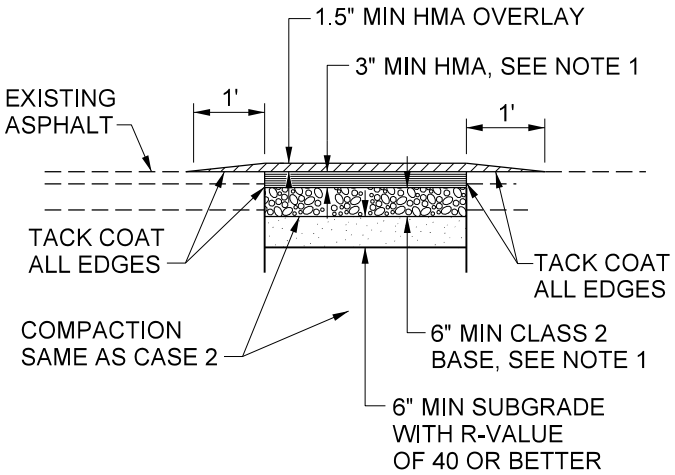
CIVIL
STATE OF CALIFORNIA



NON-ASPHALT SURFACED AREAS CASE 1

ASPHALT SURFACED STREETS WITH OVERLAY PARALLEL INSTALLATION CASE 2



ASPHALT SURFACED STREET WITHOUT OVERLAY PERPENDICULAR INSTALLATION CASE 3

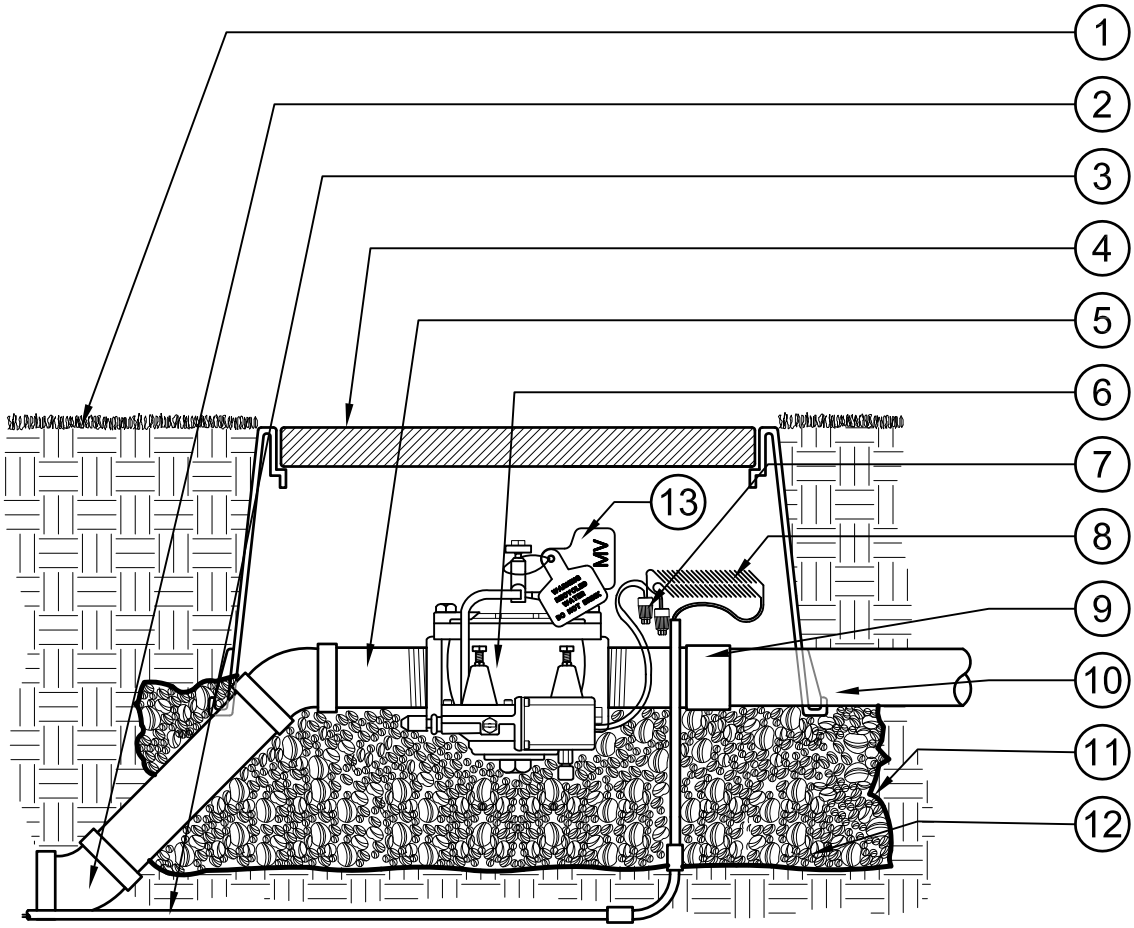
NOTES:

1. REPLACE STRUCTURAL SECTION AS FOLLOWS:
   SURFACING: EXISTING THICKNESS; OR 3" MIN HMA.
   BASE: CLASS 2 AB IN SAME THICKNESS AS EXISTING BASE.
   MATERIAL, 6" MIN AS DIRECTED BY THE INSPECTOR.
   IF A GEOSYNTHETIC MATERIAL (GEOGRID) IS ENCOUNTERED, TRENCH THROUGH GEOGRID AND PERFORM ONE OF THE FOLLOWING:
   1) REPLACE GEOGRID AT SAME ELEVATION WITH BUTT JOINT;
   2) DOUBLE THE THICKNESS OF EXISTING BASE; OR
   3) REPLACE EXISTING BASE WITH CEMENT SLURRY.
2. NO PONDING OR JETTING ALLOWED. A 1/2 SACK CEMENT SLURRY FOR DEEP(>4') AND 1 SACK CEMENT SLURRY FOR SHALLOW (<4') TRENCHES.
3. WHEN SOFT, SPONGY OR UNSUITABLE MATERIAL IN ENCOUNTERED, SUCH MATERIAL SHALL BE REMOVED TO THE LIMITS DIRECTED BY THE DIRECTOR OF TRANSPORTATION OR AFFECTED UTILITY COMPANY AND THE RESULTING EXCAVATION BACKFILLED WITH PIPE BEDDING MATERIAL.
4. WHEN REQUIRED IN THE ENCROACHMENT PERMIT OR AS DIRECTED BY THE INSPECTOR, THE NEW HMA SHOWN IN CASE 2 AND CASE 3 SHALL BE PLACED FLUSH WITH THE EXISTING ASPHALT. ADDITIONAL 1-FOOT GRNDING OF THE EXISTING ASPHALT BEYOND THE EXCAVATION LIMIT OF THE TRENCH SHALL BE REQUIRED AND AS DETERMINED BY THE COUNTY.

COUNTY OF RIVERSIDE

UTILITY TRENCH BACKFILL

STANDARD No. 818

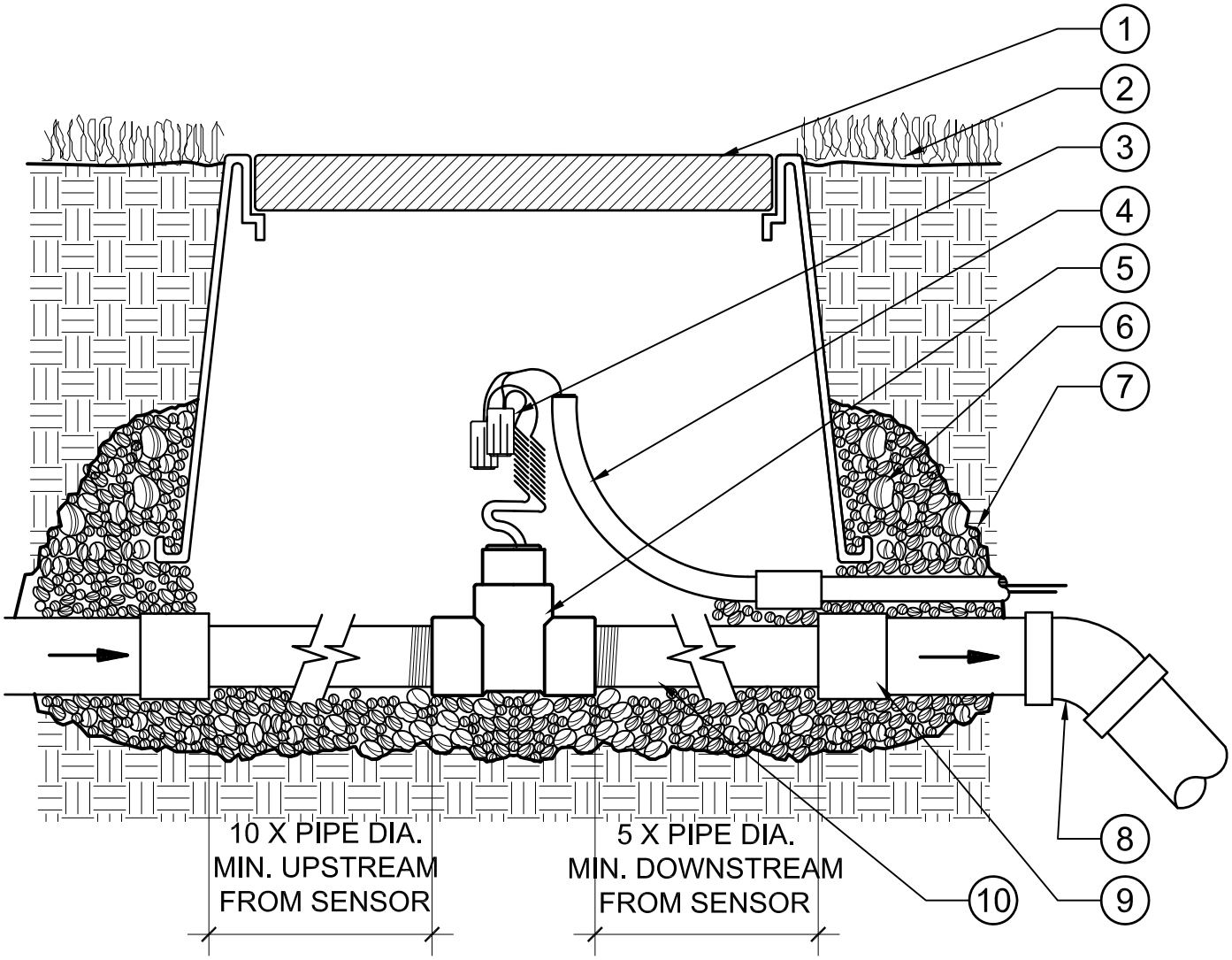


1. FINISH GRADE
2. 45 DEGREE ELL (2 REQUIRED)
3. 3/4" SCH 40 WIRE CONDUIT WITH SWEEP FOR MASTER VALVE WIRES (TO CONTROLLER)
4. JUMBO RECTANGULAR PURPLE VALVE BOX (SEE SPECIFICATIONS). DO NOT CUT ADDITIONAL HOLES INTO BOX
5. 4" LONG SCH. 80 TOE NIPPLE (LINE SIZE) (2 REQUIRED)
6. MASTER VALVE (SEE SPECS)
7. CONNECT WIRES TO VALVE USING WATER TIGHT CONNECTORS (SEE SPECS.)
8. USE 1/2" PVC SCRAP TO WRAP 12" OF ADDITIONAL WIRE BEFORE CONNECTING
9. SCH. 80 COUPLER (ONE REQUIRED) (LINE SIZE)
10. PRESSURE SUPPLY LINE, ALIGN WITH FLOW SENSOR (SEE PLAN FOR SIZE)
11. INSTALL FILTER FABRIC AROUND GRAVEL SUMP
12. 3/4" GRAVEL SUMP, IN, UNDER AND AROUND VALVE BOX. FILL TO TOP OF VALVE BOX HOLES
13. VALVE IDENTIFICATION TAG AND RECYCLED WATER WARNING TAG (PER LOCAL STANDARDS)

NOTE: ALL CONDUIT SHALL BE SEALED WATER TIGHT WITH EXPANDING FOAM.

LMD	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	RECLAIMED MASTER VALVE		
	NORMALLY CLOSED AT 12" DEPTH	APPROVED BY: MPH	
STD. R-020	3/4"=1'-0"	REV:	

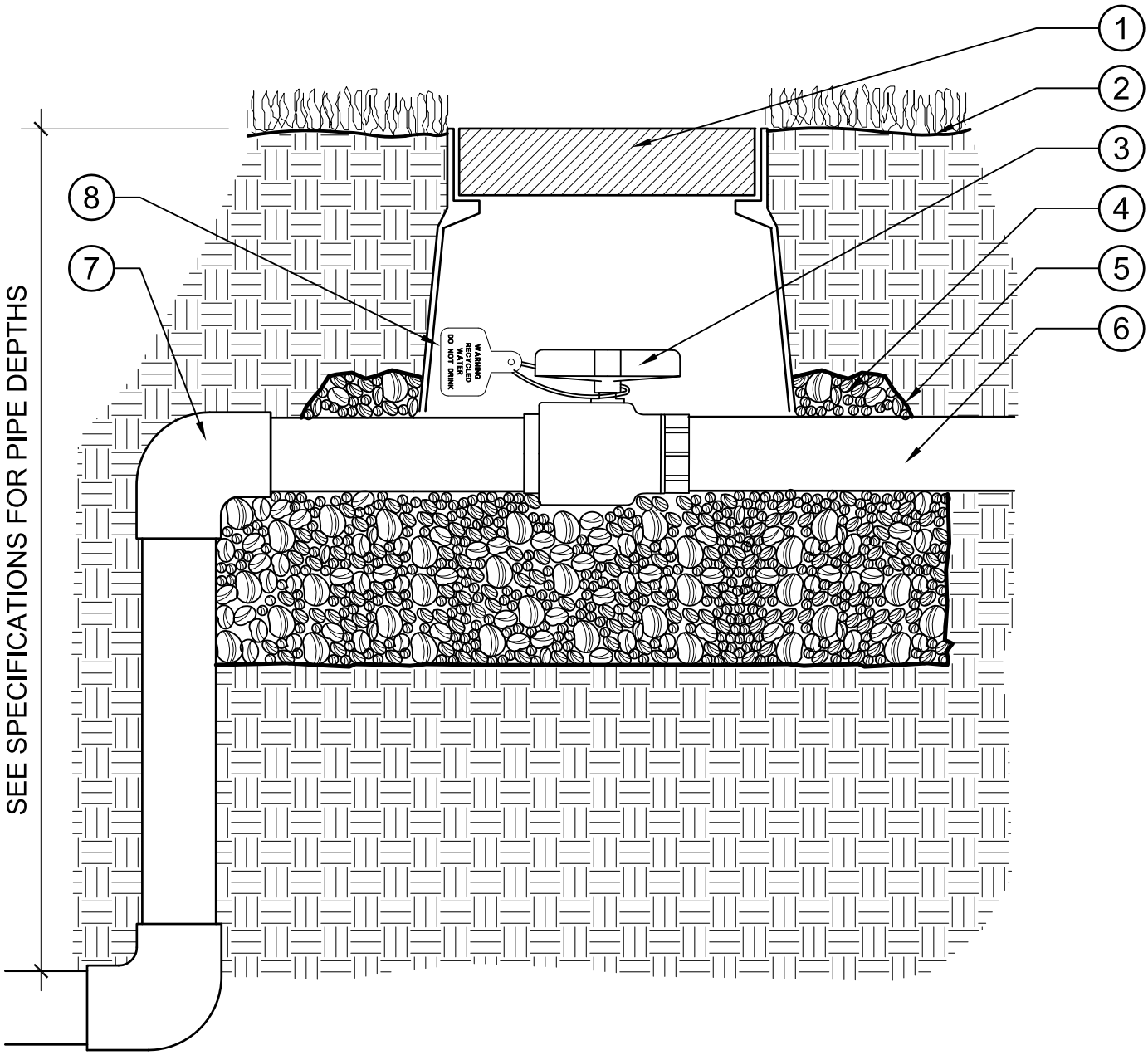
FILE: R-020_MASTER VALVE 2-R.DWG



1. RECTANGULAR PURPLE VALVE BOX (SEE SPECIFICATIONS) (DO NOT CUT ADDITIONAL HOLES INTO BOX)
2. FINISH GRADE
3. CONNECT WIRE TO FLOW SENSOR USING WATER TIGHT CONNECTORS (SEE SPECIFICATIONS)
4. 3/4" SCH. 40 PVC CONDUIT WITH SWEEP FOR FLOW SENSOR WIRE (TO CONTROLLER)
5. FLOW SENSOR (PVC OR BRASS) (SEE SPECIFICATIONS)
6. 3/4" GRAVEL SUMP IN, UNDER AND AROUND VALVE BOX. FILL TO TOP OF VALVE BOX HOLES
7. INSTALL FILTER FABRIC AROUND GRAVEL SUMP
8. 45 DEGREE PVC SCH. 40 S x S ELBOW (2 REQUIRED) EXTEND PRESSURE SUPPLY LINE TO 18" DEPTH
9. PVC REDUCING BUSHING FOR REDUCTION IN PIPE SIZE AT FLOW SENSOR (TWO REQUIRED, IF NEEDED)
10. SCH. 80 TOE NIPPLE (SENSOR SIZE - IF BRASS) SCH. 80 PVC SEGMENT (SENSOR SIZE - IF PVC)

LMD	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	RECLAIMED FLOW SENSOR		
	AT 12" DEPTH	APPROVED BY: MPH	
STD. R-022	3"=1'-0"	REV:	

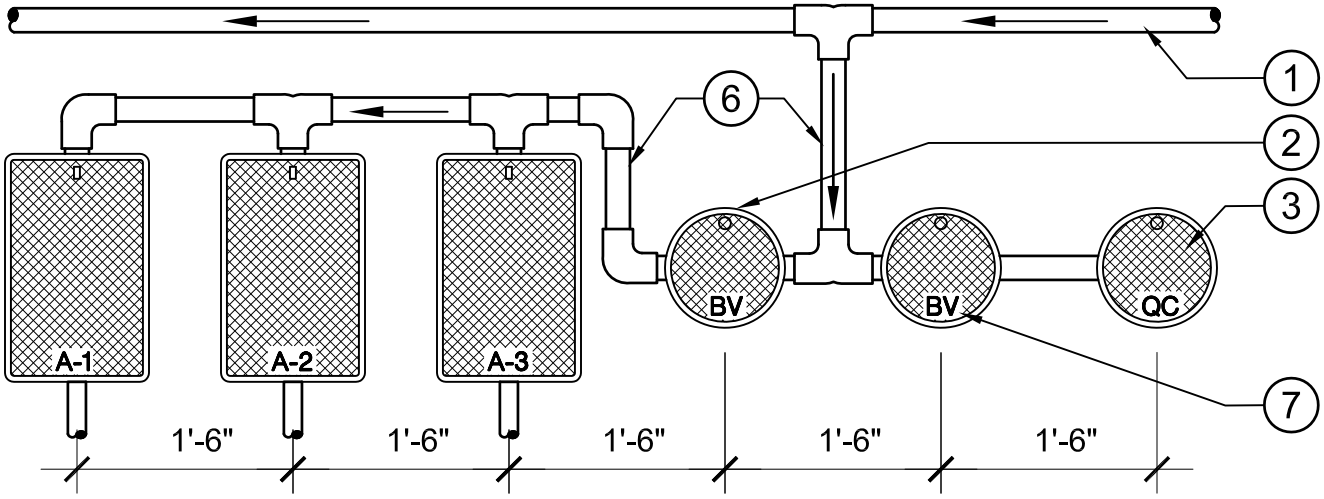
FILE: R-022_FLOW SENSOR - R.DWG



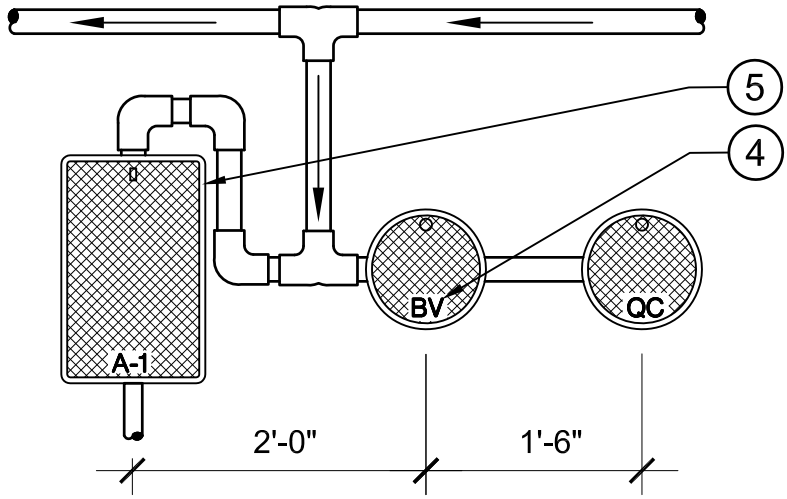
1. 10" ROUND PURPLE VALVE BOX (SEE SPECIFICATIONS, DO NOT CUT ADDITIONAL HOLES INTO BOX)
2. FINISH GRADE
3. ISOLATION BALL VALVE (SEE SPECIFICATIONS)
4. 3/4" GRAVEL SUMP IN, UNDER, AND AROUND VALVE BOX (FILL TO TOP OF VALVE BOX HOLES)
5. INSTALL FILTER FABRIC AROUND GRAVEL SUMP
6. PURPLE PRESSURE SUPPLY LINE EXTENDED TO MANIFOLDS OR QUICK COUPLER
7. SLIP X SLIP 45 DEGREE ELL (2 REQUIRED)
8. RECYCLED WATER WARNING TAG (PER LOCAL STANDARDS)

LMD	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	RECLAIMED ISOLATION BALL VALVE		
	MANIFOLD / QUICK COUPLER	APPROVED BY: MPH	
STD. R-040	3"=1'-0"	REV:	

FILE: R-040_MANIFOLD BALL VALVE - R.DWG



MULTIPLE VALVE MANIFOLD



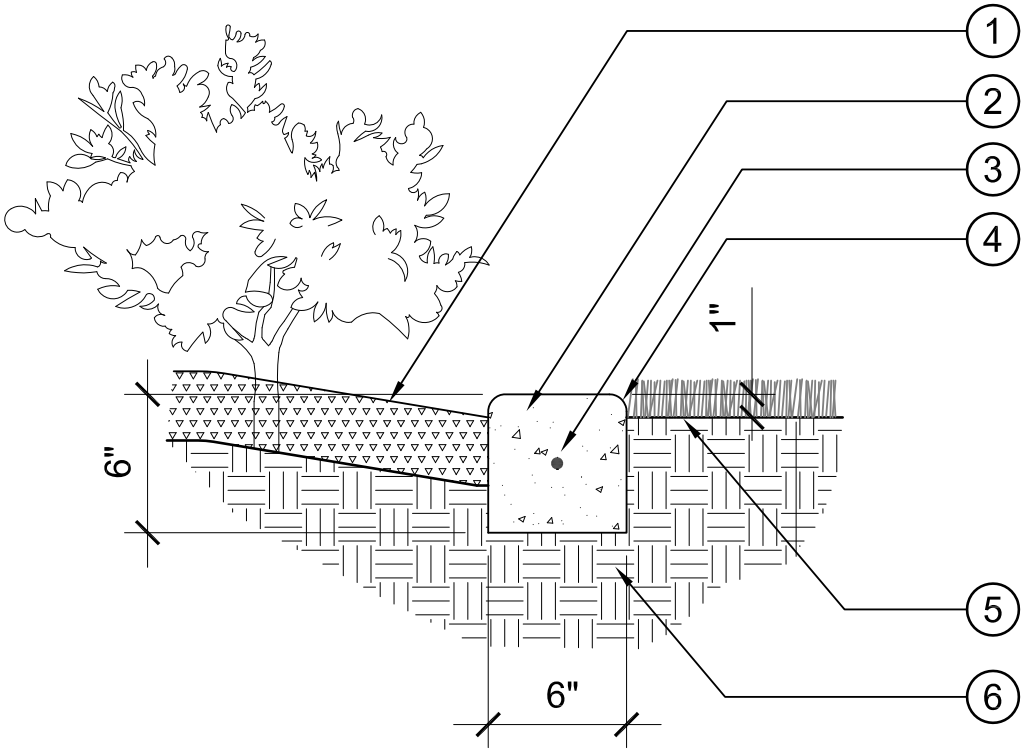
SINGLE VALVE MANIFOLD

NOTE:
NO MORE THAN 5 ELECTRIC CONTROL VALVES ARE TO BE INSTALLED PER MANIFOLD. EACH MANIFOLD SHALL HAVE A MAXIMUM OF 15' SEPARATION. ALL MANIFOLDS ARE TO BE INSTALLED IN PLANTER AREAS WHENEVER POSSIBLE.

1. PURPLE PRESSURE SUPPLY LINE (SEE PLAN FOR SIZE)
2. BALL VALVES TO MANIFOLD (SEE IRRIGATION LEGEND AND DETAIL)
3. QUICK COUPLER (SEE IRRIGATION LEGEND AND DETAIL)
4. HEAT BRAND ALL PURPLE VALVE BOXES PER SPECIFICATION
5. ELECTRIC CONTROL VALVE (SEE IRRIGATION LEGEND AND DETAIL)
6. PURPLE MANIFOLD PIPE SEE PLAN FOR SIZE (SHOWN AT SIDE FOR GRAPHIC CLARITY, LOCATE UNDERNEATH PURPLE VALVE BOXES)
7. BALL VALVE AND PURPLE SUPPLY LINE TO QUICK COUPLER (SIZE PER PLAN)

LMD	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	RECLAIMED MANIFOLD CONFIGURATION		
	SINGLE AND MULTIPLE VALVES	APPROVED BY: MPH	
STD. R-045	3/4"=1'-0"	REV:	

FILE: R-045_MANIFOLD CONFIGURATION - R.DWG



1. PLANTING AREA WITH MULCH TRANSITION AT HARDSCAPE
2. CONCRETE HEADER, SMOOTH TROWEL FINISH
3. #4 REBAR CONTINUOUS, OVERLAP 12" @ ALL SPLICES
4. 1/2" RADIUS TYP
5. TURF
6. BASE AND COMPACTION PER GEOTECHNICAL REPORT

NOTE:
LOCATE WEAKENED PLANE JOINTS AT 20' O.C. MAX, AND AT ALL CHANGES IN DIRECTION.

DATE: 07-01-18	PROJECT APPLICATION	RIVERSIDE COUNTY TRANSPORATION DEPARTMENT LANDSCAPE SECTION		
COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT	■ RESIDENTIAL ■ COMMERCIAL ■ HOA ■ CSA ■ LMD/CFD	CONCRETE HEADER		
		SCALE: 1 1/2"=1'-0"	H-SERIES	STD. H-004

PROVIDED AS A COURTESY BY:
PACIFIC
PIPELINE SUPPLY

RECYCLED WATER GENERAL NOTES

1. Five (5) days prior to commencement of any excavation of on-site improvements, the contractor shall notify the Elsinore Valley Municipal Water District Engineering and Inspection Section at (951) 674-3146.

2. All work shall be done in accordance with the Elsinore Valley Municipal Water District (EVMWD) "Rules and Regulations for Recycled Water Use and Distribution within the Elsinore Valley Municipal Water District", and the State of California Department of Public Health (CDPH) requirements.

3. Cross connection between recycled water lines and potable water lines is strictly prohibited.

4. No substitution of pipe materials will be allowed without prior approval by the EVMWD and CDPH.

5. All below grade recycled water pipe shall be color code purple pantone #522 or distinctively wrapped with purple tape and stenciled with "Caution recycled water - DO NOT DRINK". Orient the stenciling to the top of the trench for laterals. Install purple metallic tape over the recycled water mains per the recycled water system standard design requirements in the EVMWD standard specifications and drawings.

6. All above ground recycled water facilities shall be purple colored pantone #512 and marked to differentiate recycled water facilities from potable water or wastewater facilities per American Water Works Association (AWWA) guidelines and section 116815 of the California Health and Safety Code.

7. Provide a minimum cover of all pipes in accordance with EVMWD standard specifications and drawings per the standard design requirements for recycled water pipelines.

8. Maintain separation between potable water, recycled water, and/or sewer pipelines according to the EVMWD standard drawings and CDPH guidance memo no. 2003-02 latest revision.

9. All public and private potable water mains including fire mains and any water wells and water courses within the recycled water project shall be shown on the plans.

10. Tag all valves and other below grade facilities within boxes with permanent recycled water labels that identify the facility as "Recycled Water - DO NOT DRINK NO BEBER". Attach the label with either stainless steel wire or self-locking plastic ties.

11. Blowoff assemblies for recycled water shall be in accordance with EVMWD standard drawing RW-1.

12. All public facilities such as comfort stations, drinking fountains, outdoor eating areas, etc. shall be protected from spray and or misting by recycled water.

13. No ponding, run-off, misting, or over spray is permitted. Relocate or adjust all irrigation heads to prevent over spraying onto sidewalks, streets, private lots, and areas not approved for recycled water use.

REVISION	BY	APPR	DATE

Elsinore Valley Municipal Water District

Paul S. Carver 11/7/12

Paul S. Carver R.C.E. 31516 DATE

RECYCLED WATER GENERAL NOTES

STD. DWG. NO.

GN-5

PROVIDED AS A COURTESY BY:
PACIFIC
PIPELINE SUPPLY

RECYCLED WATER GENERAL NOTES (CONT.)

14. Areas not approved for recycled water use shall be protected from contact with recycled water, whether by windblown spray or by direct application through irrigation or other use. Lack of protection, whether by design, construction practice, or system operation is strictly prohibited.

15. Hose bibs on recycled water systems are prohibited.

16. Recycled water quick coupling valves shall be designed for use on recycled water in accordance with the rules, and regulations.

17. Quick coupling valves use in recycled water systems shall conform the following:
    - 17.1. Quick coupling valves can be 1 inch or 3/4 inch nominal size, with brass construction and a normal working pressure of 150 psi or equal.
    - 17.2. A purple rubber or vinyl locking cover shall be permanently attached to the quick coupling valves.

18. When potable water and recycled water lines cross, the recycled water line shall be installed within a protective pipe similar to standard drawing W-6 except AWWA C-905 PVC pipe can be used in place of steel pipe. The protective pipe shall extend 10 feet from each side of the outside edge of the potable water line.

19. Provide a minimum of 12 inches of vertical separation between potable water, recycled water, and sewer line according to these rules and CDPH. Maintain at least 12 inches crossing separation between other utilities unless otherwise directed by EVMWD personnel.

20. Install purple colored pantone #512 material for all above grade irrigation facilities per AWWA guidelines and section 116815 of the California Health and Safety Code.
    - 20.1. Valve and other on - grade boxes - purple color.
    - 20.2. Sprinkler heads - purple color.

21. All recycled water sprinkler control valves and others below grade facilities within boxes shall be tagged with identification tags. Tags shall be weather proof plastic 3 inches x 4 inches, purple in color, with words "Recycled Water - DO NOT DRINK" and "Aviso Aqua Impura - NO TOMAR" imprinted on one side, and the recognized symbol for not drinking on the other side. Imprinting shall be permanent and black in color. One tag shall be attached either to the valve stem directly with plastic tie wrap, or to the solenoid wire directly with plastic tie wrap per EVMWD standard drawing RW-3.

22. The contractor shall conduct a cross-connection control shutdown test and coverage test (as defined in section 4.8 of the district's rules) when requested by the district or CDPH prior to any use of recycled water. The method of this test must be accepted by the district.

23. The required cross-connection shutdown test may be performed by a certified cross-connection control specialist as defined in the district's rules and witnessed by the district's cross-connection specialist. Copies of inspection reports shall be forwarded to the district.

REVISION	BY	APPR	DATE

EVMWD
Elsinore Valley Municipal Water District
Paul S. Carver 11/7/12
Paul S. Carver R.C.E. 31516 DATE

RECYCLED WATER GENERAL NOTES

STD. DWG. NO.
GN-6

PROVIDED AS A COURTESY BY:
PACIFIC
PIPELINE SUPPLY

4"

8"

SHOWN: "DAS" CURB MARKER
PART NUMBER CM-ELSIN

SPECIFICATIONS

SIZE: 4"x8"

MATERIAL: "DURACAST" PLASTIC WITH NO-SLIP SURFACE.

COLOR: PURPLE (PANTONE 512) WITH WHITE LETTERS AND SYMBOL.

PLACEMENT: SURFACE MOUNT ON CONCRETE CURB OR SIDEWALK USING ADHESIVE. FOLLOW MANUFACTURER'S SPECIFICATIONS FOR APPLICATION OF ADHESIVE.

COATING: 1160 A ANTI-GRAFFITI FILM OR EQUAL.

REVISION	BY	APPR	DATE

Elsinore Valley Municipal Water District

Paul S. Carver R.C.E. 31516 11/7/12 DATE

RECYCLED WATER SIGN SPECIFICATIONS

STD. DWG. NO.
RW-2

PROVIDED AS A COURTESY BY:
PACIFIC
PIPELINE SUPPLY

ACTUAL SIZE

SHOWN: T. CHRISTY ENTERPRISES, INC.
PART #ID-MAX-P2RC007

SPECIFICATIONS:

1. THE TAG SHALL BE WEATHERPROOF PLASTIC 3"x4", RECYCLED WATER PURPLE COLOR WITH PERMANENT BLACK STAMPED LETTERING.

2. ADDITIONAL NUMBERING, SYMBOLS OR WORDING MAY BE USED WITH PRIOR WRITTEN APPROVAL. HOWEVER, THE ABOVE WORDING AND SYMBOL MUST BE USED.

3. THE TAG SHOULD BE ATTACHED TO THE VALVE STEM OR SOLENOID WIRE DIRECTLY, OR USING SELF-LOCKING PLASTIC TIE.

REVISION	BY	APPR	DATE

Elsinore Valley Municipal Water District

Paul S. Carver 11/7/12
Paul S. Carver R.C.E. 31516 DATE

RECYCLED WATER VALVE TAG SPECIFICATION

STD. DWG. NO.
RW-3

PROVIDED AS A COURTESY BY:
PACIFIC
PIPELINE SUPPLY

MANUFACTURER: TRAFFIC CONTROL SYSTEMS

SPECIFICATIONS

SIZE: 18"x18" WITH STANDARD RADIUS CORNERS.

MATERIAL: 0.063 ALUMINUM WITH 3M ENG. GRADE REFLECTIVE SHEETING AND ANTI-GRAFFITI PROTECTIVE COATING.

COLOR: PURPLE (PANTONE 512) WITH WHITE LETTERS AND BLACK SYMBOL.

PLACEMENT: INSTALL AT A MINIMUM OF 7' FROM BOTTOM OF SIGN TO GRADE. INSTALL USING 2" SQ. METAL POSTS OR ATTACH TO LIGHT POSTS. FOLLOW ALL LOCAL CODES FOR SIGN PLACEMENT AND INSTALLATION.

COATING: 1160 A ANTI-GRAFFITI FILM OR EQUAL.

REVISION	BY	APPR	DATE

Elsinore Valley Municipal Water District

Paul A. Carver 11/7/12

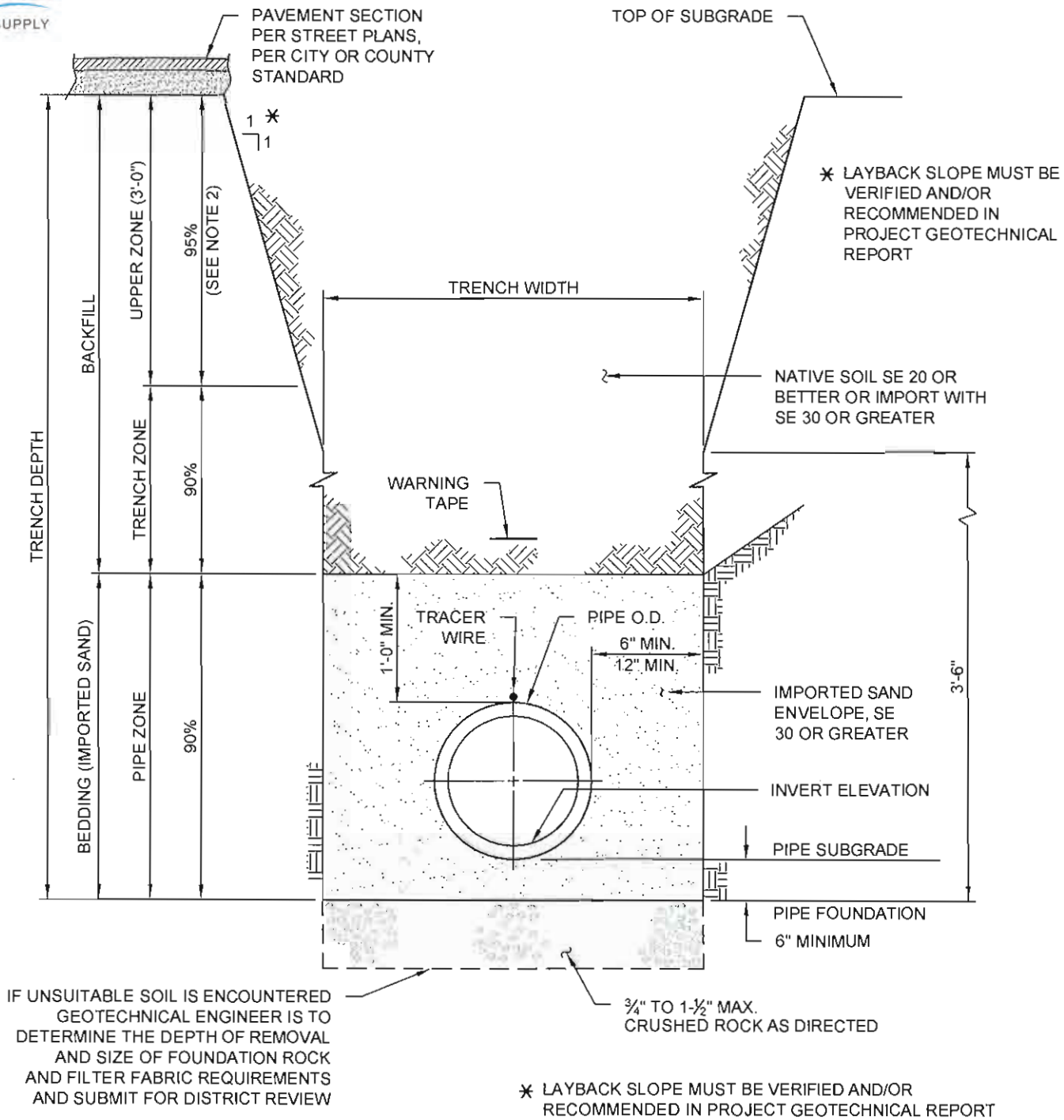
Paul S. Carver R.C.E. 31516 DATE

RECYCLED WATER SIGN SPECIFICATIONS

STD. DWG. NO.

RW-4

PROVIDED AS A COURTESY BY:
PACIFIC
PIPELINE SUPPLY



NOTES:

1. PAVING DICTATED BY LOCAL JURISDICTION.
2. 95% MAXIMUM DENSITY MINIMUM AS DETERMINED BY ASTM D1557.
3. TRENCHES GREATER THAN 5' DEPTH REQUIRE CAL/OSHA EXCAVATION PERMIT.
4. CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM ALL TRENCHING AND EXCAVATION IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS, TITLE 8.
5. EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
6. FULL TIME SOILS TECHNICIAN MUST BE ON-SITE DURING BACKFILLING AND COMPACTION AS DETERMINED BY EVMWD.

REVISION	BY	APPR	DATE

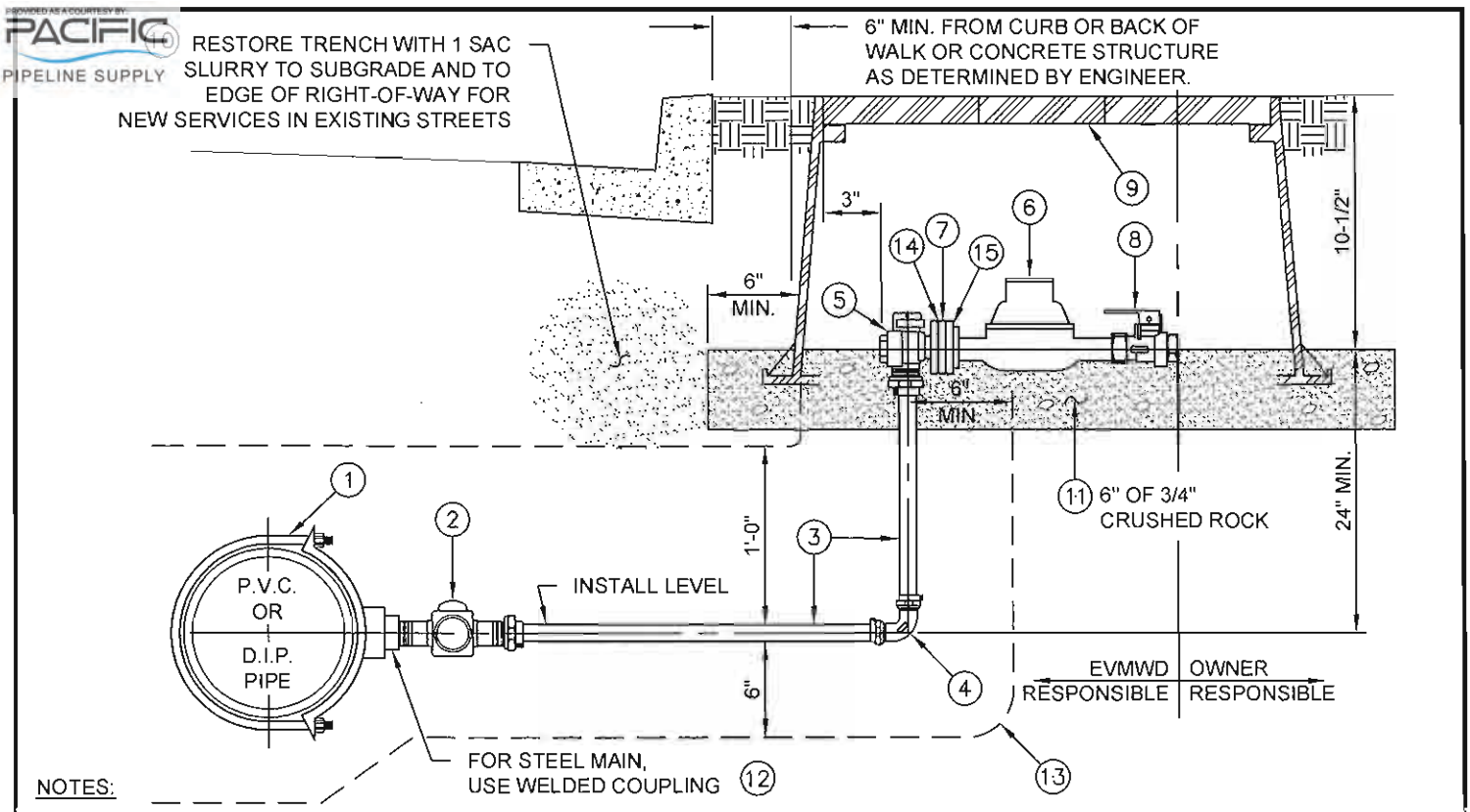
Elsinore Valley Municipal Water District

Paul S. Carver 11/7/12
Paul S. Carver R.C.E. 31516 DATE

WATER PIPE BEDDING AND TRENCH BACKFILL

STD. DWG. NO.
W-3

PROVIDED AS A COURTESY BY: PACIFIC PIPELINE SUPPLY



NOTES:

1. RANGE SADDLES NOT ALLOWED.
2. FOR RESIDENTIAL FIRE SPRINKLER SERVICE, PIPE AND MATERIAL SHOULD BE NSF61 APPROVED.
3. IT IS RECOMMENDED THAT THE HOME BUILDER INSTALL A 1.5" PIPE FROM THE METER TO THE LOCATION WHERE THE PIPE SPLITS TO GO INTO THE CEILING FOR FIRE SPRINKLERS AND TO THE APPLIANCES AND FIXTURES.
4. NO WATER METER BOXES SHALL BE INSTALLED IN DRIVEWAYS OR SIDEWALKS. METER BOXES SHALL BE SET AT HIGH GRADE TO ELIMINATE WATER RUNOFF. INSTALL REDUCED PRESSURE PRINCIPLE OR BACK FLOW DEVICE AFTER IRRIGATION METER. INSTALL PRESSURE REDUCING VALVES IF THE PRESSURE IS OVER 80 PSI. A PRESSURE REGULATOR SHALL BE INSTALLED PRIOR TO ENTERING THE HOUSE/BUILDING PLUMBING.

✳ SEE ACCEPTED MATERIALS GUIDELINE

ITEM	EACH	DESCRIPTION	SPEC.	REMARKS
1	1	SERVICE SADDLE	STRAP TO BE S.S.	SEE ACCEPTED MATERIALS GUIDELINE
2	1	BRONZE CORP. STOP	1.5" I.P. X C.T.S. COMPRESSION	
3	2	COPPER TUBING	1.5" TYPE K, SOFT	TWO PIECES ONLY, NO BENDS
4	1	ELBOW	1.5" C.T.S. COMPRESSION	
5	1	ANGLE METER STOP (BALL VALVE)	1.5" C.T.S. COMPRESSION x METER FL, LOCK WING W/ 1/8" THK CLOTH INSERTED DROP IN GASKET	PAINT ANGLE STOP PURPLE FOR RECYCLED WATER SERVICE ONLY
6	1	WATER METER	1" OR 3/4"	SUPPLIED & INSTALLED BY DISTRICT
7	1	BRONZE WATER METER FLANGE	1.5" F.I.P. THREADS WITH 1/8" THK CLOTH	INSERTED DROP IN GASKET
8	1	BRONZE BALL VALVE 1" I.P. X C.T.S. COMPRESSION	SUPPLIED BY DEVELOPER & INSTALLED BY DISTRICT FOR RESIDENTIAL. SUPPLIED & INSTALLED BY DISTRICT FOR NON-RESIDENTIAL.	
9	1	WATER METER BOX	COLOR: GREEN, SEE W-11	PAD FOR METER AND BOX
10	1	SLURRY BACKFILL	1 SAC	FOR NEW SERVICES IN EXISTING STREETS
11	1	WATER METER & BOX PAD	56" x 43" x 6" CRUSHED ROCK	PAD FOR METER AND BOX
12	1	STD. BLACK PIPE COUPLING	1.5" I.P. THREADED, WELDED ON	COAT COUPLING W/ SAME MATERIAL AS PIPE
13	1	TRENCH WITH SAND ENVELOPE	IMPORTED WITH SE > 30	12" MIN. & 24" MAX. TRENCH WIDTH
14	1	DROP IN GASKET	1/8" THK CLOTH INSERTED GASKET	AT METER FLANGE, SUPPLIED & FURNISHED BY DISTRICT
15	1	1.5" X 1" ADAPTER	1.5" x 1" F.I.P. x F.I.P.	SUPPLIED & INSTALLED BY DISTRICT

REVISION	BY	APPR	DATE

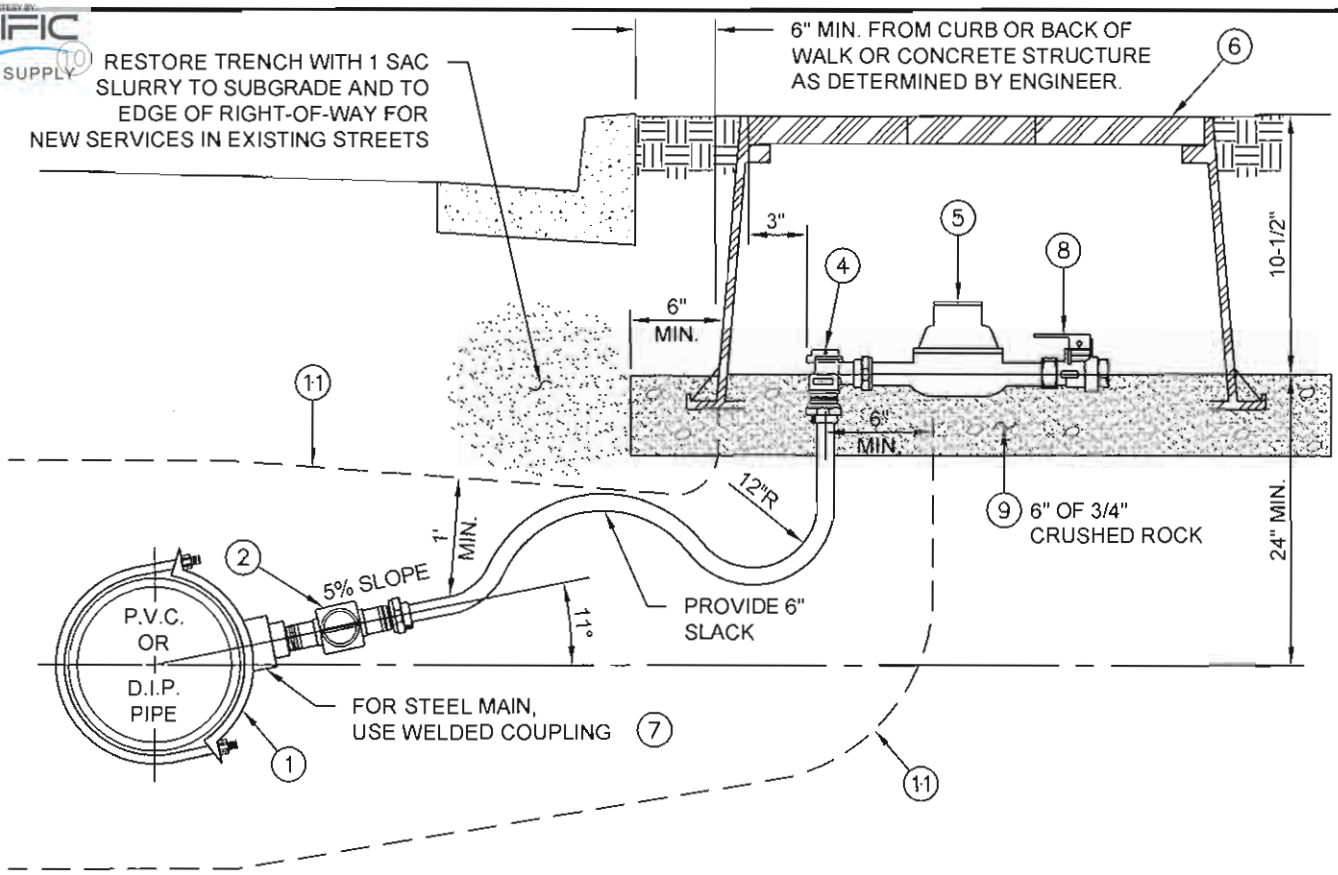
Elsinore Valley Municipal Water District

Paul S. Carver R.C.E. 31516 DATE 11/7/12

1½" WATER SERVICE CONNECTION FOR 1" OR 3/4" METER

STD. DWG. NO. W-9a

PROVIDED AS A COURTESY BY:
PACIFIC PIPELINE SUPPLY



NOTES:

1. RANGE SADDLES NOT ALLOWED.
2. FOR RESIDENTIAL FIRE SPRINKLER SERVICE, PIPE AND MATERIAL SHOULD BE NSF61 APPROVED.
3. IT IS RECOMMENDED THAT THE HOME BUILDER INSTALL A 1.5" PIPE FROM THE METER TO THE LOCATION WHERE THE PIPE SPLITS TO GO INTO THE CEILING FOR FIRE SPRINKLERS AND TO THE APPLIANCES AND FIXTURES.
4. NO WATER METER BOXES SHALL BE INSTALLED IN DRIVEWAYS OR SIDEWALKS. METER BOXES SHALL BE SET AT HIGH GRADE TO ELIMINATE WATER RUNOFF. INSTALL REDUCED PRESSURE PRINCIPLE OR BACK FLOW DEVICE AFTER IRRIGATION METER. INSTALL PRESSURE REDUCING VALVES IF THE PRESSURE IS OVER 80 PSI. A PRESSURE REGULATOR SHALL BE INSTALLED PRIOR TO ENTERING THE HOUSE/BUILDING PLUMBING.

✳ SEE ACCEPTED MATERIALS GUIDELINE

ITEM	EACH	DESCRIPTION	SPEC.	REMARKS
1	1	SERVICE SADDLE	STRAP TO BE S.S.	SEE ACCEPTED MATERIALS GUIDELINE
2	1	1" BRONZE CORP. STOP	I.P. X C.T.S. COMPRESSION ✳	
3	1	COPPER TUBING	1" TYPE K, SOFT	ONE PIECE ONLY, NO SPLICES
4	1	1" ANGLE METER STOP (BALL VALVE)	1" C.T.S. COMPRESSION x METER ~~FL~~, LOCK WING W/ 1/8" THK CLOTH INSERTED DROP IN GASKET	PAINT ANGLE STOP PURPLE FOR RECYCLED WATER SERVICE ONLY
5	1	WATER METER	1" OR 3/4"	SUPPLIED & INSTALLED BY DISTRICT
6	1	WATER METER BOX	COLOR: GREEN, SEE W-11 ✳	SUPPLIED & INSTALLED BY DEVELOPER
7	1	STD. BLACK PIPE COUPLING	1" I.P. THREADED, WELDED ON	COAT COUPLING W/ SAME MATERIAL AS PIPE
8	1	BRONZE BALL VALVE 1" I.P. X C.T.S. COMPRESSION	SUPPLIED BY DEVELOPER & INSTALLED BY DISTRICT FOR RESIDENTIAL. SUPPLIED & INSTALLED BY DISTRICT FOR NON-RESIDENTIAL.	
9	1	WATER METER & BOX PAD	42" x 35" x 6" 3/4" CRUSHED ROCK	PAD FOR METER AND BOX
10	1	SLURRY BACKFILL	1 SAC	FOR NEW SERVICES IN EXISTING STREETS
11	1	TRENCH WITH SAND ENVELOPE	IMPORTED WITH SE > 30	12" MIN. & 24" MAX. TRENCH WIDTH

REVISION	BY	APPR	DATE

Elsinore Valley Municipal Water District

Paul A. Carver 11/7/12

Paul S. Carver R.C.E. 31516 DATE

1" WATER SERVICE CONNECTION FOR 1" OR 3/4" METER

STD. DWG. NO.

W-9b

PROVIDED AS A COURTESY BY: PACIFIC PIPELINE SUPPLY

FIRE SPRINKLER PRESSURE CALCULATION

		VERTICAL HOUSE LINE FOR FIRE SPRINKLER	
			20′
SERVICE LINE LENGTH		DISTANCE FROM METER TO FRONT OF HOUSE	PIPE LENGTH IN HOUSE
30′		20′	30′

FLOW RATE [5] 31
PIPE ROUGHNESS 130
VERTICAL RISE IN SERVICE LINE TO METER 3′

				PRESSURE LOSS		WATER PRESSURE IN STREET MAIN				
PIPE SIZE	METER SIZE	HOUSE LINE PIPE SIZE	ATTIC PIPE SIZE	AT END OF METER [1,2]	ON PROPERTY [1,3]	45	50	60	70	80
INCHES	INCHES	INCHES	INCHES	PSI	PSI	FIRE SPRINKLER PRESSURE BASED ON STREET PRESSURE ABOVE. (PSI)				
1	¾"	1	1	19.9	32.8	~~-7.8~~	~~-2.8~~	~~7.2~~	17.2	27.2
		1½"	1		21.9	~~3.2~~	~~8.2~~	18.2	28.2	38.2
		1½"	1½"		12.0	13.1	18.1	28.1	38.1	48.1
1½"	¾"	1	1	8.2	32.8	~~3.0~~	~~8.0~~	18.9	28.9	38.9
		1½"	1		21.9	14.9	19.9	29.9	39.9	49.9
		1½"	1½"		12.0	24.8	29.8	39.8	49.8	59.8
1½"	1"	1	1	5.2	32.8	~~7.0~~	12.0	22.0	32.0	42.0
		1½"	1		21.9	17.9	22.9	32.9	42.9	52.9
		1½"	1½"		12.0	27.8	32.8	42.8	52.8	62.8

NOTES:

1. EQUATION IS THE HAZEN-WILLIAMS SOURCE: CIVIL ENGINEERING REFERENCE MANUAL (EQUATION 17.31)
2. THE EQUIVALENT LENGTH FOR ALL FITTINGS UP TO THE METER.

   A) 1" SIZE CORP STOP AT 6.67 FEET AND CURB STOP AT 3.85 FEET TOTALING 15.9 FEET.

   B) 1½" SIZE CORP STOP AT 7.7 FEET, 90° BEND AT 3.77 FEET, AND CURB STOP AT 4.43 FEET TOTALING 15.9 FEET.

   C) ¾" METER HAS 14 FEET HEAD LOSS (6 PSI) AND A 1" METER HAS 7 FEET HEAD LOSS (3 PSI).
3. THE EQUIVALENT LENGTH FOR ALL FITTINGS ON PROPERTY IS ESTIMATED AT 20 FEET.
4. THE MINIMUM PRESSURE REQUIRED FOR FIRE SPRINKLERS IS 7 PSI. 9 PSI IS RECOMMENDED AS A SAFETY FACTOR.
5. THE RECOMMENDED FLOW RATE FOR MOST HOMES IS TWO SPRINKLERS FLOWING AT 13 GPM AND 5 GPM FOR DOMESTIC WATER EQUATING TO 31 GPM.

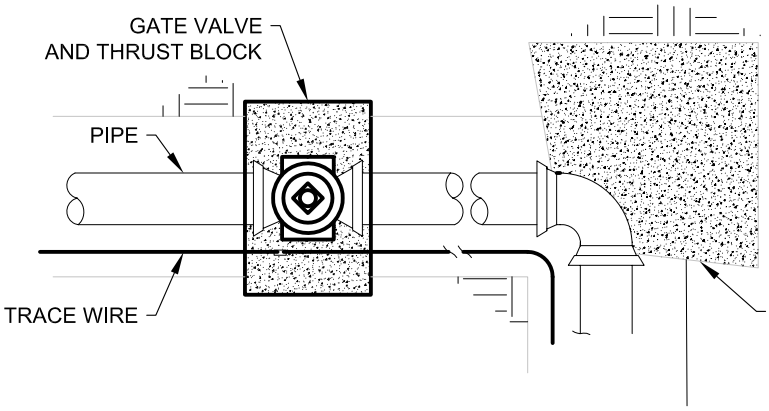
REVISION	BY	APPR	DATE

Elsinore Valley Municipal Water District

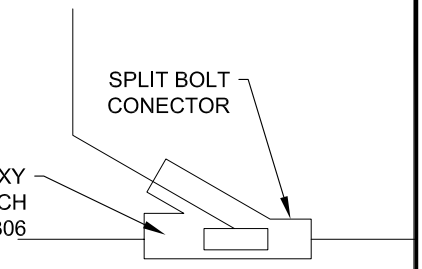
Paul S. Carver 11/7/12
Paul S. Carver R.C.E. 31516 DATE

WATER SERVICE LINE SIZE CALCULATIONS

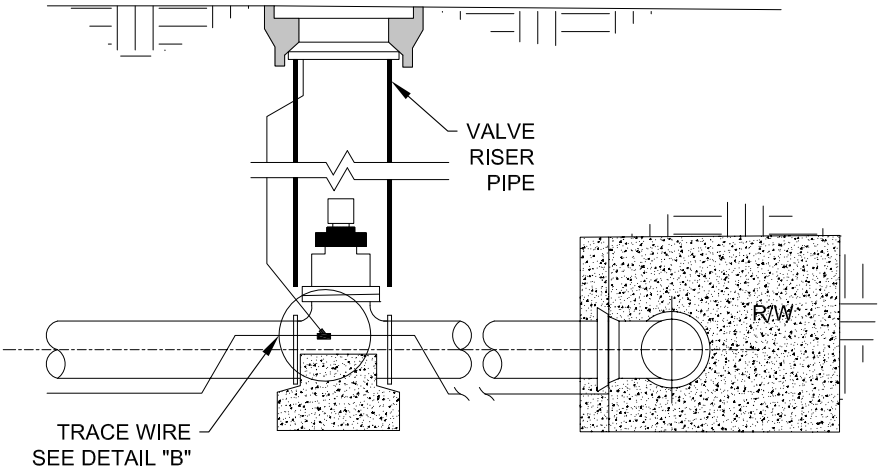
STD. DWG. NO. W-9c



PLAN VIEW
NOT TO SCALE



DETAIL "B"
NOT TO SCALE



PROFILE
NOT TO SCALE

NOTES:

1. LOCATOR WIRE TO BE 10 GAUGE SOLID COPPER WIRE UF, THWN, OR THHN.
2. LOCATOR WIRE SHALL BE BROUGHT TO THE SURFACE AT 660 FT OC MAX BY FIRE HYDRANTS OR INSTALL EVMWD MARKER POSTS (B-665). GIVE STATIONS AT VALVE BOXES. (FOR TRACT CONSTRUCTION CHISEL *LW* IN FACE OF CURB IN LIEU OF MARKER POSTS).
3. LOOP 2 FEET OF WIRE IN VALVE BOX WITHIN 2 FEET OF FIRE HYDRANT OR EVMWD MARKER POST.
4. WIRE TO BE CONTINUOUS STRAND..
5. LOCATOR WIRE SHALL BE INSTALLED OVER ALL WATERLINES, RECLAIMED WATERLINES AND FORCEMAINS WHETHER OR NOT TELEMETRY WIRE IS BURIED WITH THE PIPE.
6. USE CAST IRON COVER OVER LABELED WATER ,SEWER, RECLAIMED (RECLAIMED TO BE PAINTER LAVENDER).
7. FOR PIPE DEPTHS GREATER THAT 8 FEET LOCATOR WIRE SHALL BE PLACED ABOVE PIPE AT MAX 8 FEET DEPTH. MARKER TAPE SHALL BE PLACED 1 FT ABOVE THE LOCATOR WIRE.
8. A LOCATIBILITY TEST IS TO BE PERFORMED ON ALL LOCATOR WIRES.
9. SPLICES TO BE DONE WITH A CRIMPABLE BUTT CONNECTOR

REVISION	BY	APPR	DATE

Elsinore Valley Municipal Water District

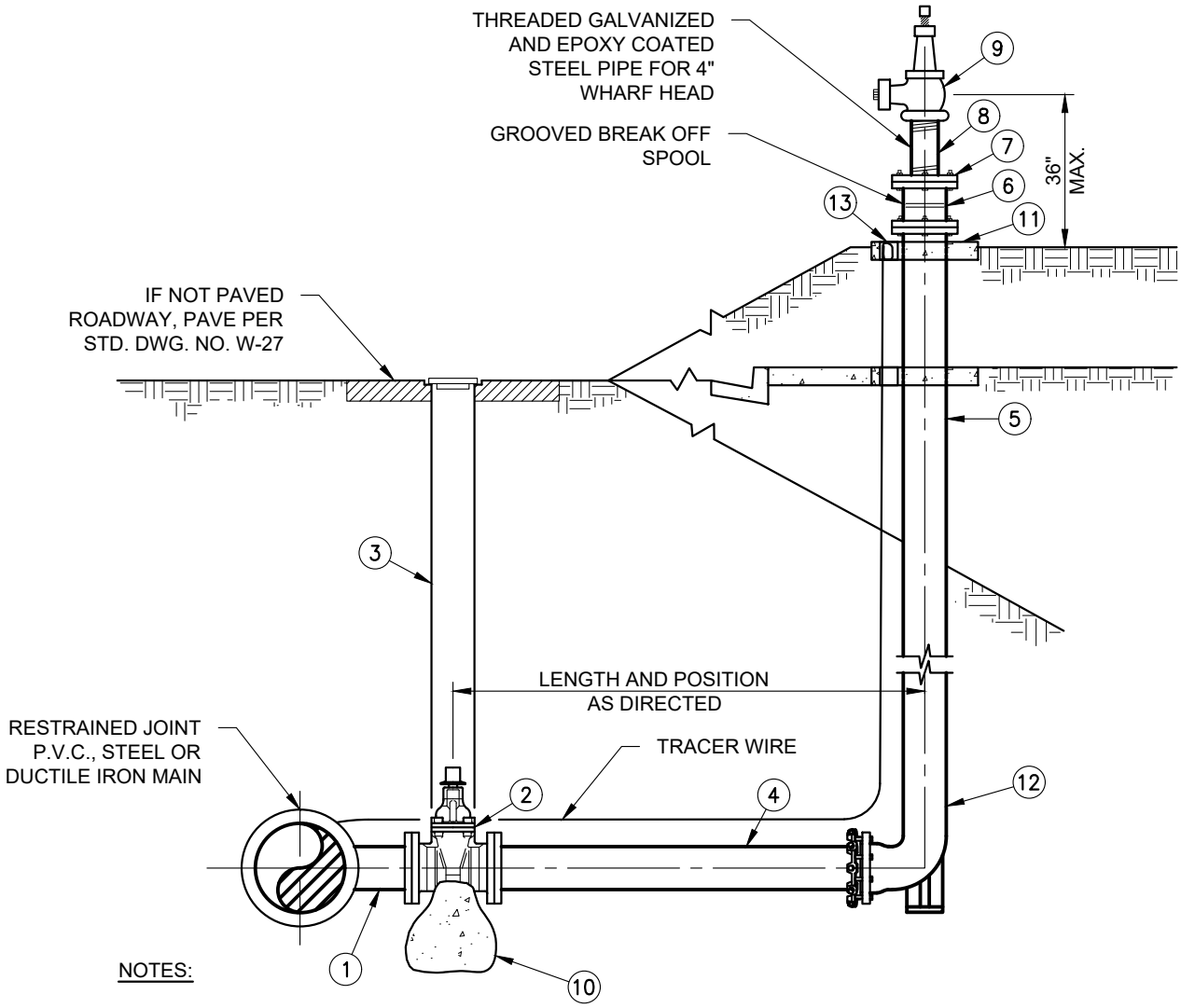
7-20-17

Jason R. Dafforn R.C.E. 82123 DATE

LOCATOR WIRE INSTALLATION

STD. DWG. NO.

W-35



NOTES:

1. RESTRAINED JOINTS ARE REQUIRED.
2. BLOW-OFF (WHARF HEAD BODY) TO BE PAINTED PURPLE DESCRIPTION

ITEM	EACH	DESCRIPTION	SPEC.	REMARKS
1	1	STD. 6" TEE BRANCH	D.I. FLG ON 6" BRANCH	
2	1	6" GATE VALVE	SEE W-13 AND W-14	RESILIENT WEDGE, FLGxFLG
3	1	8" VALVE WELL AND CAP	SEE W-13 (LABELED RECYCLED WATER)	PAINTED PURPLE
4	1	6" PIPE BLOWOFF RUN	STD. DWG. W-7	RESTRAINED JOINT
5	1	6" STD. FIRE HYDRANT BURY 6" SPOOL FL x FL (DI)		6 HOLE FLG x FLG (VARIABLE HEIGHT)
6	1	6" GROOVED BREAK OFF SPOOL	6", 6 HOLE, FLxFL, SEE W-7	SPOOL ABOVE SURFACE, PAINTED, NUTS ON TOP OF FLANGE, DAMAGE 2 OPPOSITE FACING THREADED ENDS TO ENSURE INABILITY OF REMOVAL
7	1	6"x4" COMPANION FLANGE	6", 6 HOLE, FLxFL	BLACK IRON COMPANION FLANGE, PAINTED
8	1	4" PIPE WITH INTERIOR EPOXY LINED COATED	GALVANIZED, 4" M.I.P. x M.I.P.	PAINTED PURPLE
9	1	4" ANGLE FIRE PLUG VALVE	4" x 2 1/2"	PAINTED PURPLE (WHARF HEAD)
10	-	VALVE SUPPORT BLOCK	STD. DWG. W-15	
11	1	560 C3250 CONCRETE PAD	4'x4'x4"DEEP	
12	1	6" DIA. 90° BASE ELBOW, SHORT RADIUS	FLxMJ OR FLxFL	VARIABLE HEIGHT.
13	1	TRACER BOX	SEE APPROVED MATERIALS LIST	

REVISION	BY	APPR	DATE

ELSINORE VALLEY MUNICIPAL WATER DISTRICT

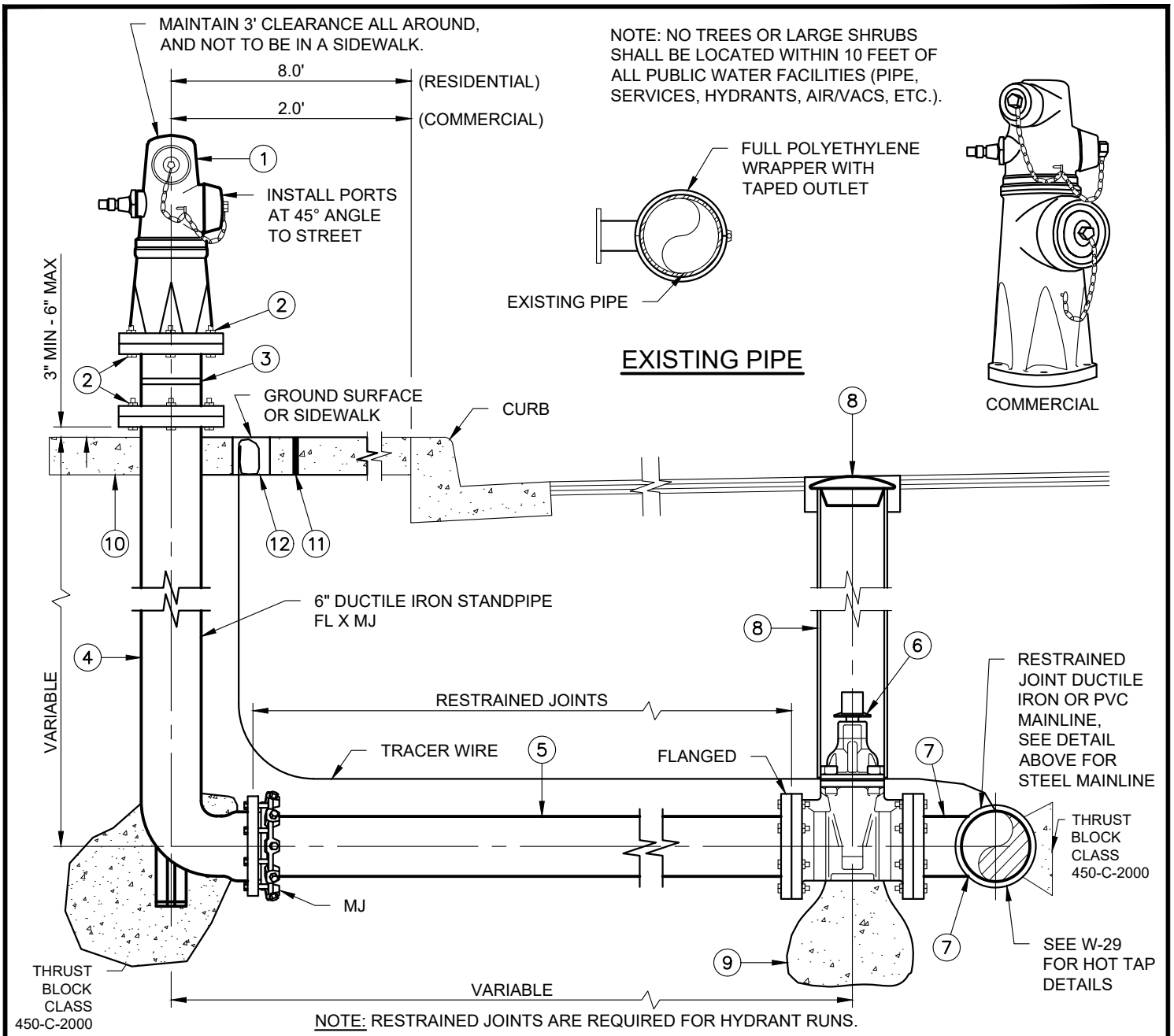
06/22/2023

PARAG KALARIA R.C.E. 83927 DATE

RECYCLED WATER BLOW-OFF ASSEMBLY

STD. DWG. NO.

RW-1



NOTE: RESTRAINED JOINTS ARE REQUIRED FOR HYDRANT RUNS.

ITEM	EACH	DESCRIPTION	SPEC.	REMARKS
1	1	6" FIRE HYDRANT	2 OUTLET RES., 3 OUTLET COMMERCIAL	6 HOLE FL, SEE PAINT SPECS.
2	AS REQ'D	BOLTS WITH NUTS ON TOP OF FLANGE	5/8"x3" HEX HEAD ZINC PLATED W/ SOLID BODY	DUCTILE IRON HYDRANT.
3	1	GROOVED BREAK-OFF SPOOL	FLxFL, 6 HOLE, 6" OR 8"	SPOOL ABOVE SURFACE.
4	1	FIRE HYDRANT BURY	6 HOLES FLxMJ	VARIABLE HEIGHT.
5	1	6" HYDRANT RUN PIPE	DUCTILE IRON OR PVC C900	FLxPE OR FLxFL, CANNOT CROSS STREET ℄
6	1	6" RESILIENT WEDGE GATE VALVE	FLxFL	INCLUDES VALVE SUPPORT BLOCK
7	1	TEE W/ 6" OR 8" OUTLET	FL OUTLET	CUT IN TEE SIMILAR TO W-34 IF EXISTING MAIN
8	1	8" VALVE WELL, CAP AND SLIP CAN	STD. DWG. NO. W-13	
9	-	VALVE SUPPORT BLOCK	STD. DWG. NO. W-15	
10	1	3' X 3' X 6"THK CONCRETE SPLASH PAD	STANDARD SPEC SECTION 03310	CLASS 560-C-3250 CONCRETE
11	1	COLD JOINT STRIP	STANDARD SPEC SECTION 03310	
12	1	TRACER WIRE BOX	SEE APPROVED MATERIALS LIST	

REVISION	BY	APPR	DATE

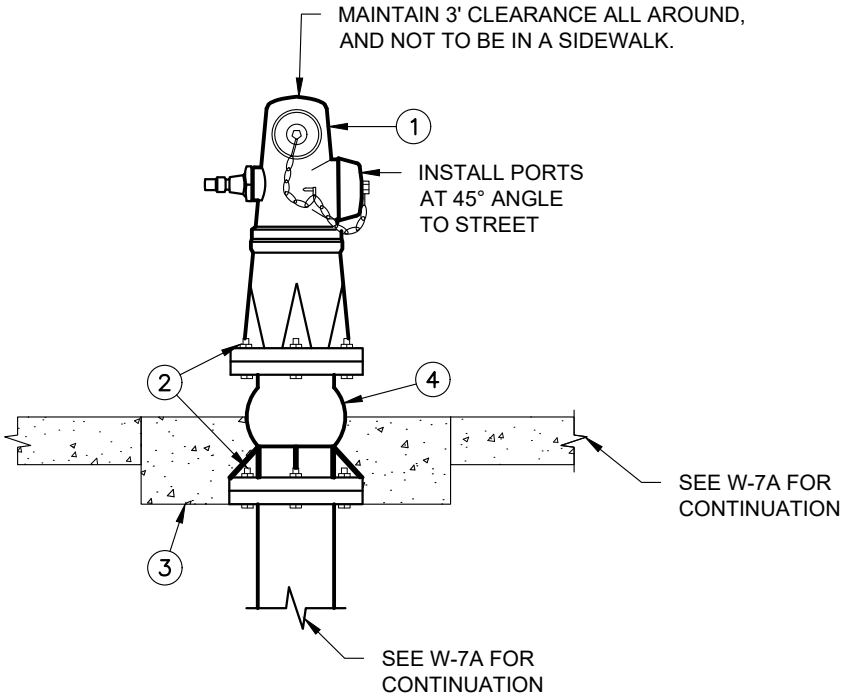
ELSINORE VALLEY MUNICIPAL WATER DISTRICT

PARAG KALARIA R.C.E. 83927 DATE 06/22/2023

FIRE HYDRANT / BLOW-OFF ASSEMBLY

STD. DWG. NO.

W-7A



REQUIRED IF:

1. FIRE HYDRANT IS LOCATED WITHIN 50' HORIZONTAL OF OVERHEAD POWER LINES.
2. FIRE HYDRANT IS NEAR FREEWAY, AS DIRECTED BY THE ENGINEER.
3. FIRE HYDRANT VALVE IS LESS THAN 10' FROM FIRE HYDRANT.
4. SPECIFIED ON THE PLANS, OR AS OTHERWISE REQUIRED BY THE ENGINEER.

NOTE: NO TREES OR LARGE SHRUBS SHALL BE LOCATED WITHIN 10 FEET OF ALL PUBLIC WATER FACILITIES (PIPE, SERVICES, HYDRANTS, AIR/VACS, ETC.).

ITEM	EACH	DESCRIPTION	SPEC.	REMARKS
1	1	6" FIRE HYDRANT	2 OUTLET RES., 3 OUTLET COMMERCIAL	6 HOLE FL, SEE PAINT SPECS.
2	AS REQ'D	BOLTS WITH NUTS ON TOP OF FLANGE	5/8"x3" HEX HEAD ZINC PLATED W/ SOLID BODY	DUCTILE IRON HYDRANT.
3	1	8" THICK CONCRETE COLLAR, 1' FROM FIRE HYDRANT EDGE TO OUTSIDE EDGE	FINISH SURFACE SHALL BE BELOW CONNECTING BOLTS/NUTS.	CLASS 560-C-3250 CONCRETE
4	1	BREAK OFF CHECK VALVE	PER APPROVED MATERIALS LIST	

REVISION	BY	APPR	DATE

ELSINORE VALLEY MUNICIPAL WATER DISTRICT

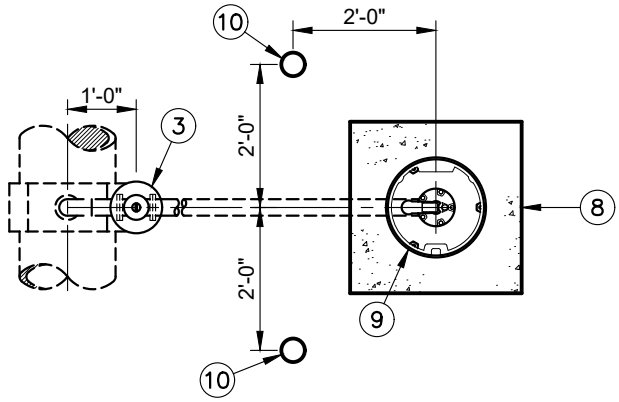
06/22/2023

PARAG KALARIA R.C.E. 83927 DATE

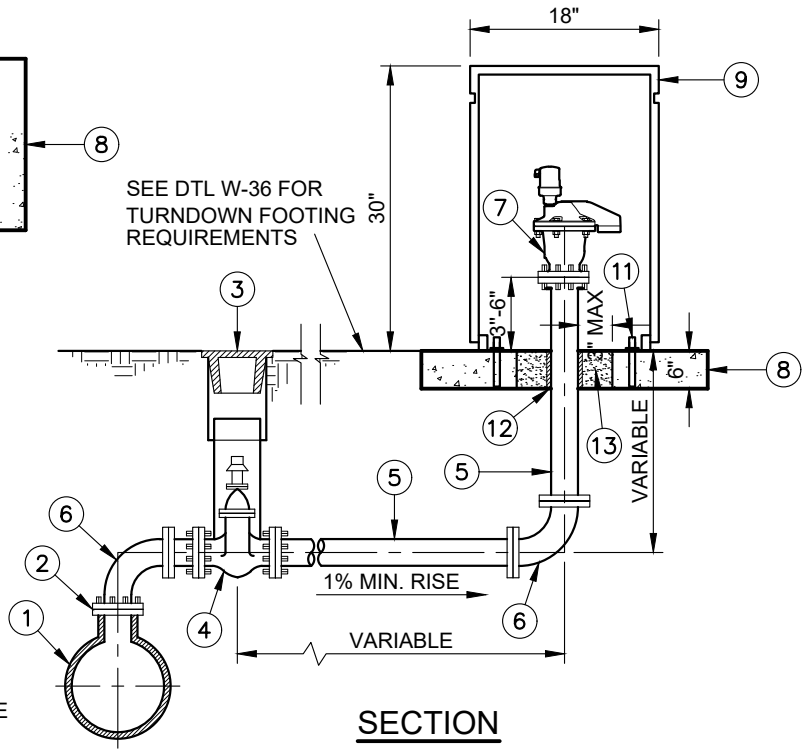
FIRE HYDRANT / BLOW-OFF ASSEMBLY WITH CHECK VALVE

STD. DWG. NO.

W-7B



PLAN



SECTION

NOTES:

1. PAINT EXPOSED SECTIONS YELLOW (POTABLE WATER MAINS) OR PURPLE (RECYCLED WATER MAINS).
2. ALL MATERIALS FURNISHED TO BE OF PIPE PRESSURE CLASS CALLED FOR ON PLANS, BUT NOT LESS THAN CLASS 200 WORKING PRESSURE (MIN).
3. THE FLANGES SHALL BE 125 LB. FLANGES.
4. BURIED APPURTENANCES, DUCTILE IRON PIPING AND FITTINGS TO BE POLY WRAPPED AND TAPED.
5. MATERIALS SHALL BE SELECTED FROM THE APPROVED MATERIALS LIST.
6. A REDUCING ELBOW OR REDUCER MAY BE NEEDED ON LARGE DIAMETER PIPES BETWEEN ITEM NOS. 1 AND 2.
7. VALVE PLACEMENT AND CIRCULAR CONCRETE PAD ON RURAL ROADWAYS WHERE CURB AND GUTTER AND SIDEWALKS ARE NOT PRESENT WILL BE AT THE DISCRETION OF THE FIELD INSPECTOR.

ITEM	DESCRIPTION
1	WATER MAIN
2	E.V.M.W.D. ACCEPTED SADDLE OR FLANGED OUTLET ON D.I. TEE
3	8" GATE VALVE CAP AND RISER PER STD. W-13
4	4"/6" RESILIENT WEDGE GATE VALVE
5	4"/6" FLANGED DUCTILE IRON PIPE (CLASS 52)
6	4"/6" FLANGED D.I. 90° ELBOW
7	4"/6" FLANGED AIR-VAC AND VACUUM RELEASE VALVE
8	2'-6" X 2'-6" X 6" THICK CONCRETE SLAB W/ #4 @12" OC EW MIN. CONCRETE SHALL BE CLASS 560-C-3250.
9	VALVE ENCLOSURE PER STD. DWG. W-18
10	GUARD POST PER E.V.M.W.D. STD. DWG. W-26 (WHEN NO SIDEWALK OR CURB IS PRESENT)
11	1/2" X 3" STAINLESS STEEL POST-INSTALLED ANCHORS (3 EA. @ 120° APART)
12	2 LAYERS 10-MIL POLYETHYLENE TAPE - THROUGHOUT FULL DEPTH OF PENETRATION.
13	EPOXY GROUT

REVISION	BY	APPR	DATE

ELSINORE VALLEY MUNICIPAL WATER DISTRICT

06/22/2023

PARAG KALARIA R.C.E. 83927 DATE

4" AND 6" COMPACT STYLE AIR RELEASE & VACUUM RELIEF VALVE INSTALLATIONS

STD. DWG. NO.

W-17

Bio Clean

A Forterra Company

Curb Inlet Filter

A Stormwater Trash Capture Solution

INSTALLATION MANUAL

5796 Armada Drive Suite 250 | Carlsbad, CA 92008 | 855.566.3938
stormwater@forterrabp.com | biocleanenvironmental.com

INSTALLATION PROCEDURES

The Bio Clean Curb Inlet Filter is a stormwater catch basin filter designed to remove high levels of trash, debris, sediments and hydrocarbons. The filter is available in several configurations including trash full capture, multi-level screening, Kraken membrane filter and media filter variations. This manual covers installation procedures of all configurations. The innovative trough & weir system is mounted along the curb face and directs incoming stormwater toward the filter basket which is positioned "directly" under the manhole access opening regardless of its location in the catch basin. This simple yet profound design allows the filter to be cleaned from finish surface without access into the catch basin, therefore drastically reducing maintenance time and eliminating confined space entry. The filter lifting handle allows for the filter to be removed easily through the manhole. The weir also folds up to allow for unimpeded access into the basin for routine maintenance or pipe jetting.

Delivery

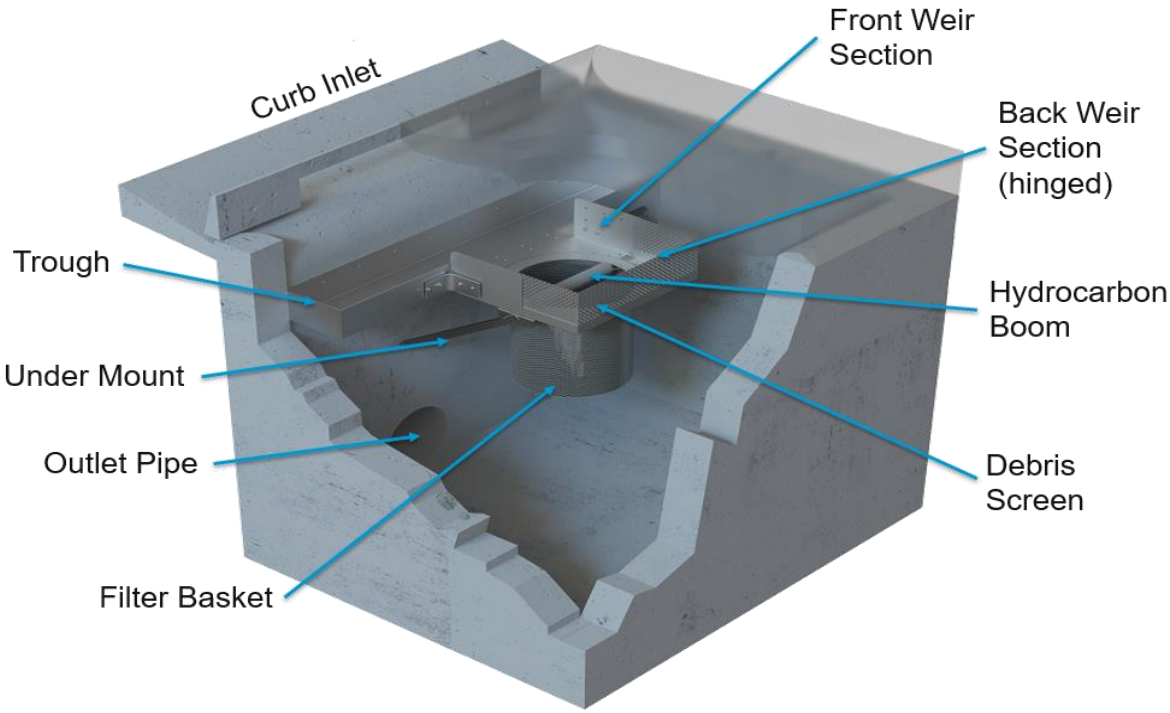
- Bio Clean Environmental Services, Inc. shall deliver the filter(s) to the site in coordination with the Contractor.

Inspection

- Inspection of the Curb Inlet Filter and all parts contained in or shipped shall be inspected at time of delivery by the site Engineer/Inspector and the Contractor. Any non-conformance to approved drawings or damage to any part of the system shall be documented on the Bio Clean shipping ticket.

Catch Basin Preparation

- The Contractor is responsible for providing adequate and complete catch basin and fall protection including gas metering and other safety equipment when installing the Curb Inlet Filter.
- The Contractor shall adhere to all jurisdictional and/or OSHA safety rules during installation of the filter.
- The Contractor or Owner is responsible for appropriately barricading the catch basin from traffic (in accordance with local codes).



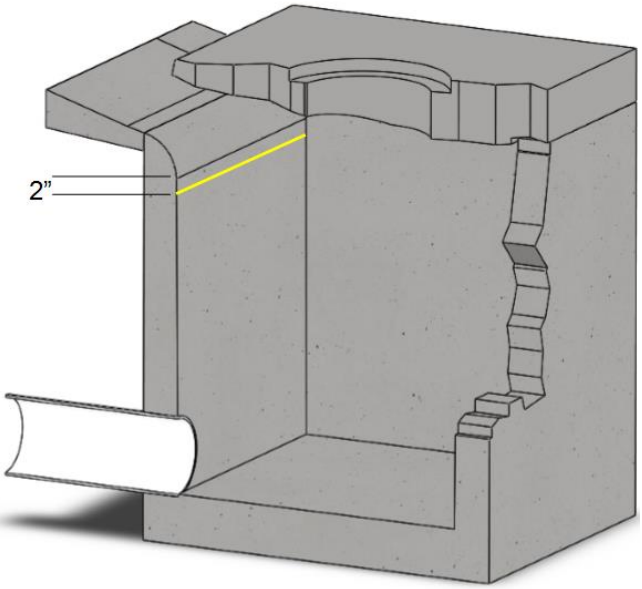
Filter Diagram:

Installation

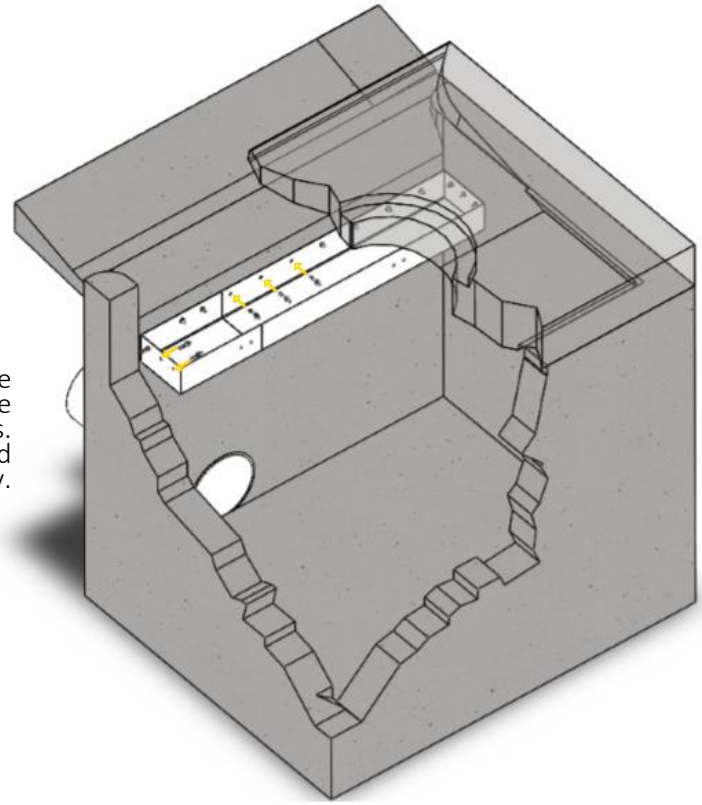
- Each Curb Inlet Filter shall be installed based on the locations and elevations according to the sizes shown on the approved drawings. Any modifications to the elevation or location shall be at the direction of and approved by the Engineer.
- It is recommended that the catch basin is properly cleaned and inspected for any damage prior to installing the Curb Inlet Filter. The trough and weir system mount directly to the walls of the catch basin using concrete wedge and/or drive anchors.
- Step one involves positioning and mounting the trough under the face of the curb. The top of the trough should be approximately 2” below the end of the local depression transition into the catch basin where the catch basin wall is vertical to allow for a flush mounting surface as shown below and enough vertical clearance from the ceiling of the catch basin to allow for proper maintenance access. Use chalk or a large marker to mark this position on the basin wall. Next use a tape measure and a level to measure a slope of 0.5% from the corners of the catch basin sloping toward the position where the filter basket and weir will be located. Use chalk or a large marker to draw a guideline along where the top of the trough wall will be located for proper mounting. Next, while holding the trough in place use a rotary hammer with a 1/4”

diameter concrete drill bit to drill holes 2 ¾” deep (minimum) at each location along the trough that there is a pre-drilled hole on the front and end sides. As each hole is drilled insert a ¼” diameter by 2 ¾” long stainless steel drive pin into each hole. This will temporarily support the weight of the trough. Next drive the wedge anchors tight using the hammer. For longer catch basin openings several sections of trough will need to be joined together. The installation kit will include trough section coupler pieces and end pieces if required. Repeat the process for the other end of the trough system if the manhole is in the center of the basin:

STEP 1



The yellow line represents the plane at which the top of the trough should be mounted to the wall of the catch basin. Make sure it is mounted to a vertical section of the wall and not above any curb opening transition.

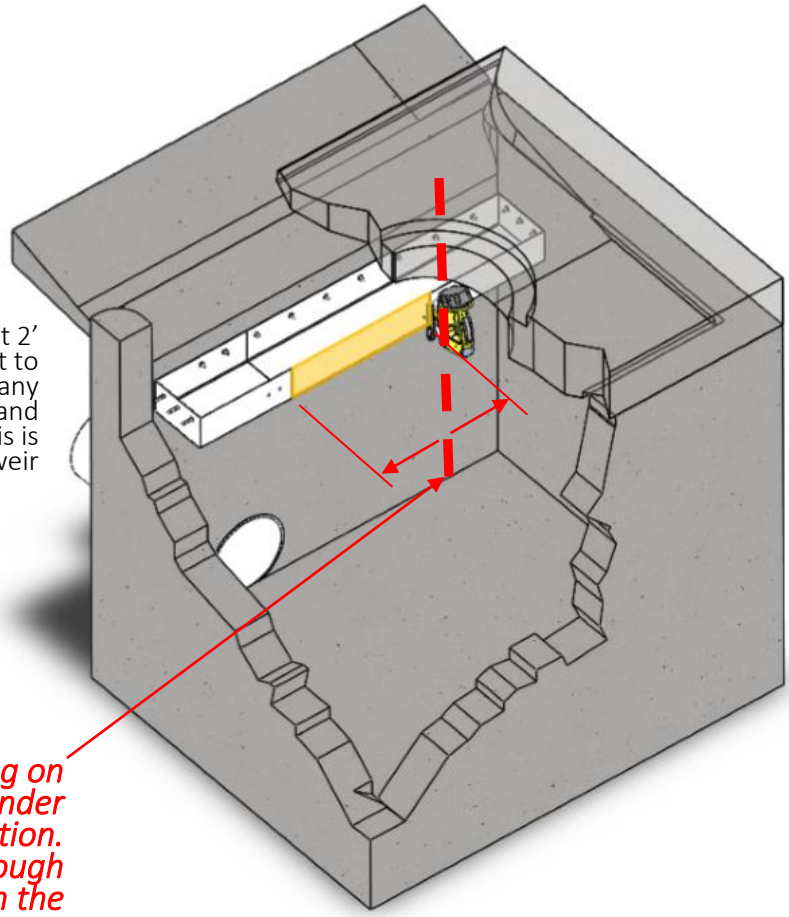


The trough is mounted along the line from above. Use drive pins to secure the trough to the wall on all three sides. Ensure drive pins are fully secured and hammered down tightly.

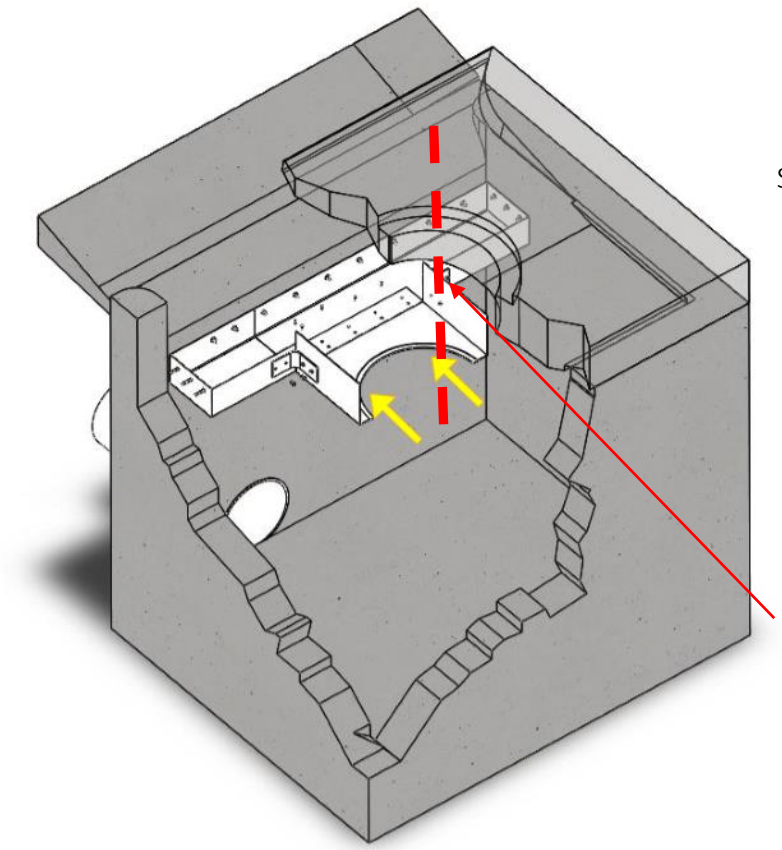
- <u>Step 2</u> requires notching out a side of the trough where the front weir section will mount. This is done with a jigsaw or reciprocating saw. The side of the trough shall be cut out to the bottom as shown below to a width of 2'. Once the side of the trough is removed the front weir section can be attached to the trough using pop rivets and the two side mounting brackets. Next, position the front weir section into the cut out portion of the trough. The mounting flange of the weir will rest on the floor of the trough. Line up so that the walls of the trough intercept the walls of the weir at 90 degrees. Holes are pre-drilled in the mounting flange of the front weir section. Using a drill bit size #11, drill through the fiberglass trough via the pre-drilled holes. Using pop rivets (3/16" diameter by 1' long large flange dome head stainless steel) placed in the holes and a cordless or air powered rivet gun, fasten the weir to the trough. See below images for details on this step.

STEP 2

Ensure that the cut is accurate at 2' wide and the side is fully cut out to the bottom of the trough. If any upward protrusions remain sand flat with floor of trough. This is crucial for install of front weir



NOTE: It is critical that the opening on the weir for the basket is directly under the manhole for proper installation. Therefore the side cut out on the trough must be perfectly centered with the manhole opening center. Using a tape measure ensure these two centers are lined up before making the cut.



STEP 2 Con't

Make sure the walls of the trough intercept the walls of the weir at their ends. There should be no gap or overlap between these two surfaces. The mounting brackets are pre-drilled for these surfaces to properly align.

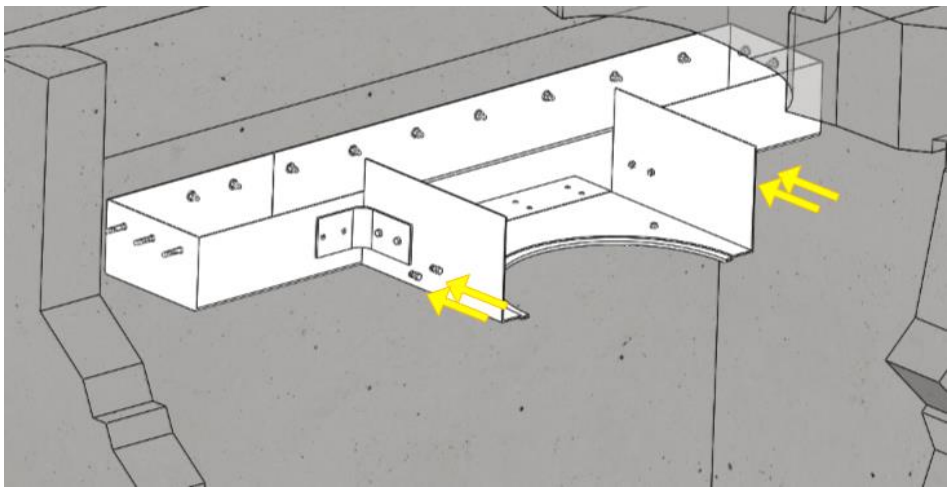
NOTE: It is critical that the opening on the weir for the basket is directly under the manhole for proper installation. The weir section length is customized for each basin. If they opening does not line up STOP installation and request the appropriate length weir from the manufacturer.

- <u>Step 3</u> requires using the mounting brackets to connect the side of the trough to the side of the weir. The mounting brackets will be pre-bolted to the weir. The brackets will have slides on this side for adjustability. The side of the mounting bracket the attaches to the trough will have holes pre-drilled. Once lined up use a ¼" diameter drill bit to drill through the fiberglass wall of trough behind the pre-drilled holes of the mounting bracket. Using a stainless steel bolt ¼" diameter x 20 x 1" length with washer and nylon nut fasten the pieces together. See below for details on this step. All mounting hardware will be provided with the unit:

STEP 3

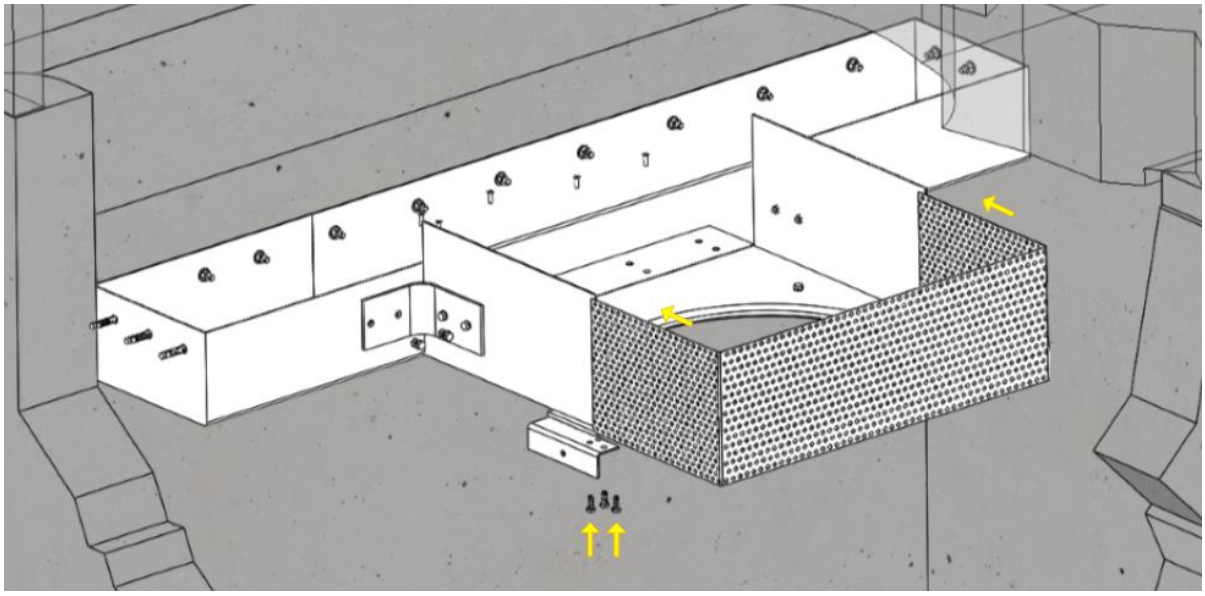
Proper fastening of the mounting brackets are a must and this connection ensures the weir and trough does not pull apart during operating conditions. Also, double check to ensure all revits have been secured between the floor of the weir and trough.

NOTE: Use anti-seize on all nuts and bolts.



- <u>Step 4</u> requires attaching the back weir section and stops to the front weir section and trough assembly. The back weir section has two hinges welded to it. The other side of the hinges bolt to the front weir section and stops (located on the underside of the back weir section – this will later be used to connect to the undermounts). Use 2 stainless steel bolt ¼" diameter x 20 x 1/2" length with washer and nylon nut to fasten the pieces together. Once fastened make sure the back weir piece hinges up and down freely.

STEP 4

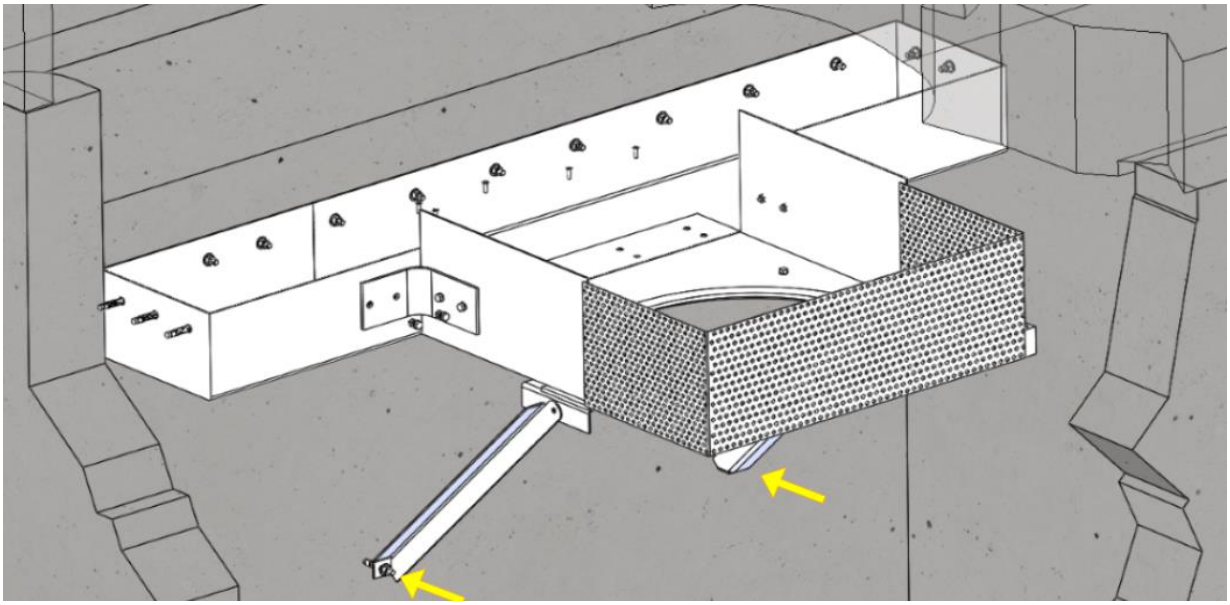


The back weir section is supplied with the hinges pre-welded. The hinges need only be bolted to the front weir section and supplied under mounts. Ensure the proper bolts and washer are used and tightened. The bolts should be torqued to at least 40 in-lbs.

NOTE: Use anti-seize on all nuts and bolts.

- <u>Step 5</u> requires attaching the 45 degree under mounts (two – one on each side) from the stops under the bottom of the front weir section to the walls of the catch basin. The hole will be pre-drilled in side of the stop. Fasten the under mount to the stop with a stainless steel bolt ¼" diameter x 20 x 1" length with washer and nylon nut. Next use a level to make sure the horizontal plane of the weir is at 1% slope from the trough sloping down toward the back of the catch basin. Mark the hole position on the opposite side of the under mount where it will attach to the wall of the catch basin. Next, while holding the under mount in place use a rotary hammer with a 1/4" diameter concrete drill bit to drill holes 2 ¾" deep (minimum). Next, insert a ¼" diameter by 2 ¾" long stainless steel drive pins into each hole and use a hammer to fasten in place.

STEP 5

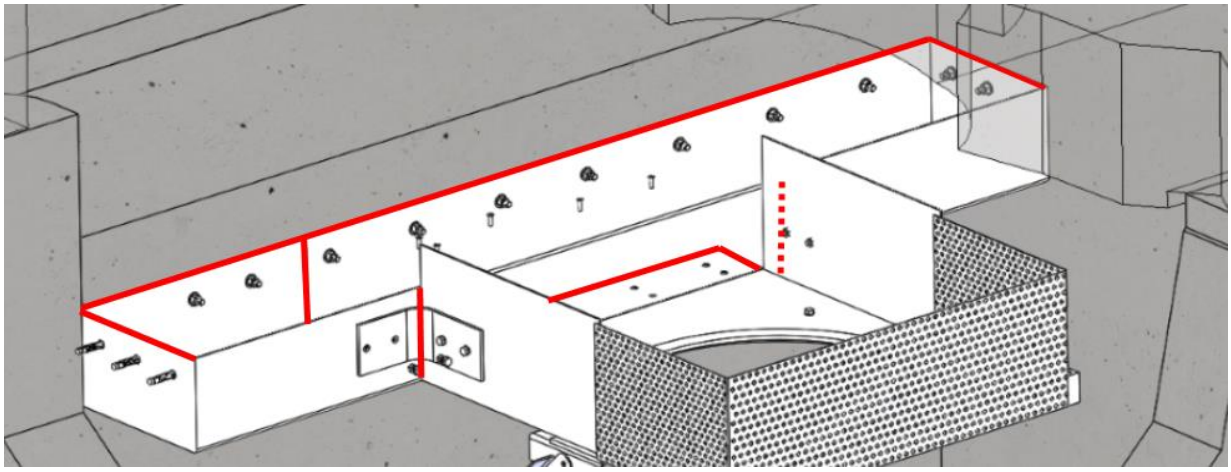


Under mounts help support the weight of the weir, trough and filter basket under operating conditions. They also ensure the slope and level of the weir. It is critical that the weir is sloping at 0.5% toward the basket. There can absolutely be no negative slope on the weir from trough the basket.

NOTE: Use anti-seize on all nuts and bolts.

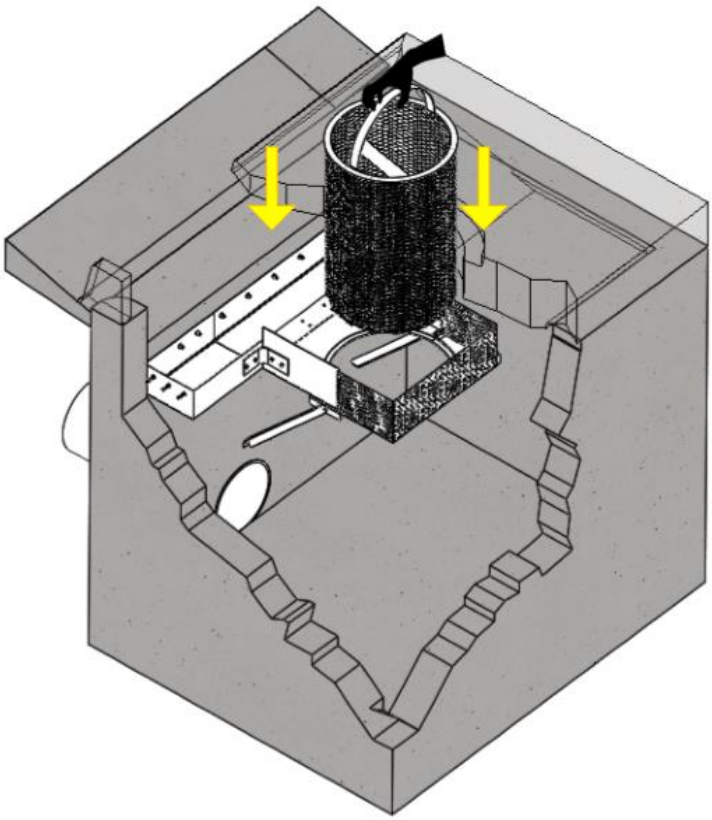
- <u>Step 6</u> requires using sealant to seal all seams, gaps and joints to ensure no leakage. All surfaces in which the fiberglass and stainless steel trough and wier make contact with a concrete surface or each other must be fully filled with sealant and made completely watertight. Sealant must be Sil-Flx (RTV 7500). See below for diagram highlighting all areas where sealant is required:

STEP 6



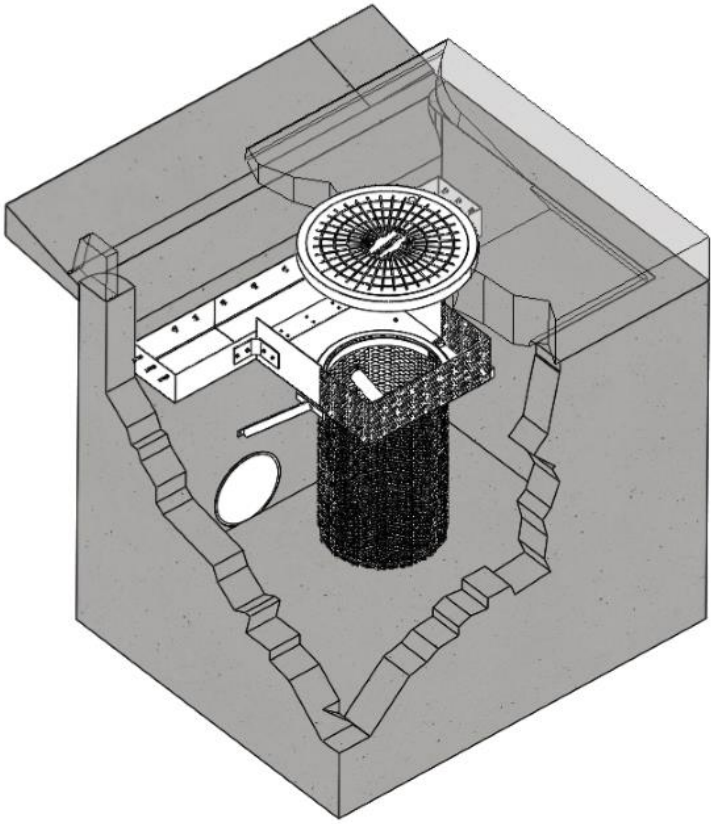
The back weir section is supplied with the hinges pre-welded. The hinges need only be bolted to the front weir section. Ensure the proper bolts and washer are used and tightened. The bolts should be torqued to at least 40 in-lbs.

- Step 7 installation is now complete. The last step is to drop the basket into weir and clean up and left over debris. Be sure to remove all tools and seal up the catch basin by replacing the manhole cover and take down any traffic control.



STEP 7

Not that installation of the shelf and weir section is complete the filter basket can be dropped into place by hand. The opening in the weir section should be directly under the manhole opening to easy installation. Once the basket is in place ensure that the manhole lid is replaced and the install site is returned to its original condition.



For Installation Support or Information Please Contact Us At:
760-433-7640
Or Email:
stormwater@forterrabpm.com

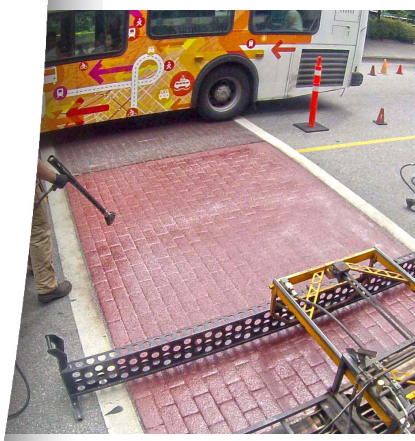
TrafficPatternsLT®

Overlay Surface System

ENNIS-FLINT
The Mark of Traffic Safety®

Durable preformed thermoplastic overlay for stamped asphalt or concrete

TrafficPatternsLT® preformed thermoplastic pavement marking material provides a more durable and skid-resistant surface than typical epoxy coatings or paint. Application is simple with a propane heat torch or an infrared heater. It can be applied over newly-stamped asphalt or used as a refurbishment where previous coatings have worn away. This durable alternative reduces the need to repaint again and again.

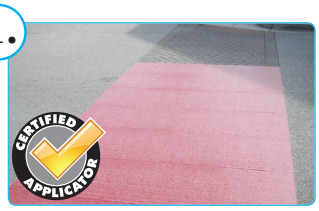


PERFORMANCE-BASED FEATURES AND BENEFITS

- Durable alternative to coating over existing or newly-stamped asphalt or concrete
- Material is not stamped with templates or grids – it will contour to the impressions already present in the substrate when heated
- Supplied in 2' x 2' sheets of 90-mil thickness
- High skid/slip resistant for safety – as material wears, new anti-skid elements are exposed
- Enhanced durability provides optimum wear in adverse conditions.
- Light to moderate average daily traffic
- Apply with infrared heater or propane torch
- ADA compliant – pedestrian and wheelchair friendly surface
- Eliminates the maintenance and safety concerns of loose pavers
- Made at Ennis-Flint's manufacturing facility which is ISO 9001:2015 certified for the design, development and manufacturing of preformed thermoplastic
- Markings designed for quality, value, and long-term performance
- Anti-skid elements added at time of manufacturing for optimized application at the jobsite

TrafficPatternsLT preformed thermoplastic is supplied in 2 ft. x 2 ft. sheets of non-reflective material that is 90 mils thick. After proper surface preparation, the material is positioned over stamped asphalt or worn coating then heated until molten to allow for proper bond. The pavement marking itself should not be stamped. The material will flow into the grooves of the previously stamped pattern when heated.

1.



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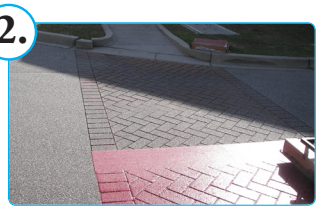

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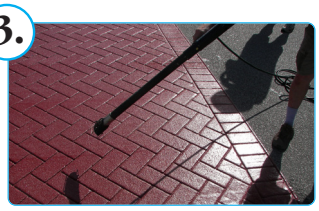

STANDARD COLORS

BLACK, WHITE, SAND, TAN, BRICK RED, HERITAGE RED, FIELD GRAY, SONOMA SAND, CINNAMON, TERRA-COTTA

KHAKI, SIENNA, COCOA, COLONIAL BRICK, CHESTNUT, SALMON, SANTA FE CLAY, GREY, DARK BRICK RED, BURNT ORANGE

PREMIUM COLORS

BLUE, GREEN, KELLY GREEN, LEMON YELLOW, LT BLUE

LT GREEN, LT GREY, OLIVE GREEN, ORANGE, PINK

PURPLE, RED, SKY BLUE, SYG, TEAL

YELLOW, LILAC

TrafficScapes®

Surface Systems

ENNIS-FLINT
The Mark of Traffic Safety®

CROSSWALKS • MEDIANS • ISLANDS • ROUNDABOUTS • ENTRYWAYS • LOGOS

TrafficScapes® preformed thermoplastic pavement marking materials portfolio is engineered for durability, safety, and aesthetics for the streetscape and traffic calming market. Each product offers its own unique application and performance approach to streetscape projects where shared roadway safety and aesthetic appeal need to work in conjunction.

TrafficPatterns®
Interconnected Surface System

TrafficPatternsLT®
Overlay Surface System

DecoMark®
Surface Signs

TrafficPatternsGF®
Grout-Free Surface System

TrafficPatternsXD®
Impressed Surface System

DuraTherm®
Inlaid Surface System

When used on public roadways and private properties open to public travel, decorative crosswalks require proper demarcation with white linear boundaries according to the Manual on Uniform Traffic Control Devices (MUTCD).

Phone: 800.331.8118 www.ennisflint.com sales@ennisflint.com
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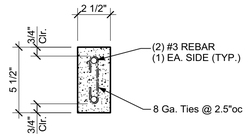
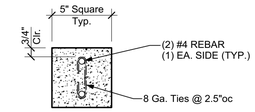
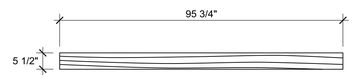


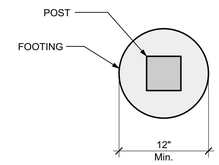
RAIL SECTION



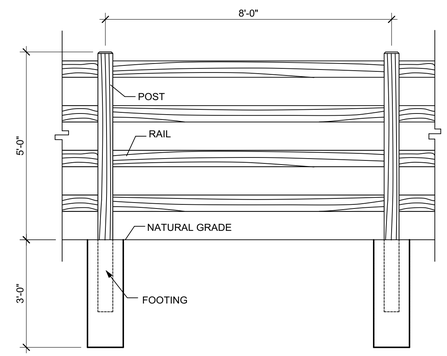
LINE POST



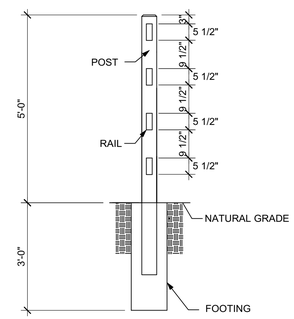
RAIL



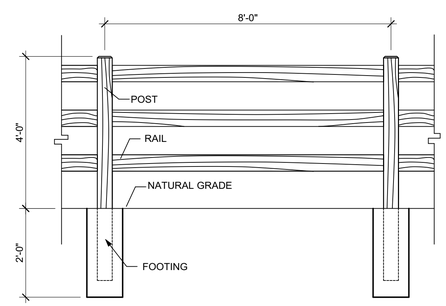
FOOTING



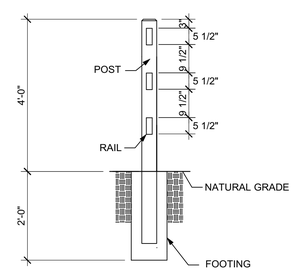
ELEVATION - 4 RAIL FENCE



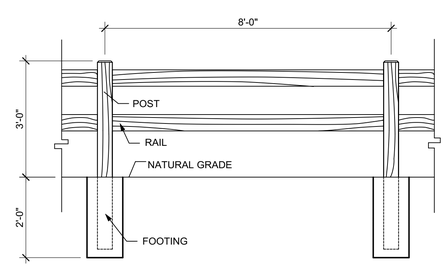
SECTION - 4 RAIL FENCE



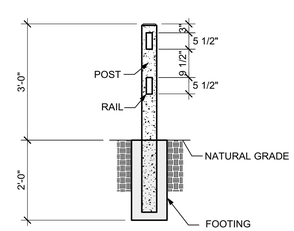
ELEVATION - 3 RAIL FENCE



SECTION - 3 RAIL FENCE



ELEVATION - 2 RAIL FENCE



SECTION - 2 RAIL FENCE

SPECIFICATIONS AND NOTES

GENERAL:

1. This project has been designed in accordance with the California Building Code, 2019 Edition.
2. Applied loads:
   a. Wind Velocity (V) = 100 mph
   b. Exposure: C
   c. Velocity Pressure Exposure Coefficient (Kz) = 0.85
   d. Wind Directionality Factor (Kd) = 0.85
   e. Topographic Factor (Kzt) = 1.0
   f. Wind Pressure P = 0.00256(Kz)(Kzt)(Kd)(V^2)(I)
      P = 0.00256(0.85)(1.0)(0.85)(100)^2(1.0)
      P = 18.50 psf
   g. Working Design Stress: 33% Increase (1.33)
   h. Seismic Design: Site Class D
   i. Importance Factor (I_w) = 1.0
3. Screening wall is to be constructed entirely on the project property.
4. Color:
   a. Post, Panels and Panel caps shall be integrally colored.
   b. Color shall be brown as approved by the on-site owner.
5. The contractor/owner is responsible for hiring a geotechnical engineer to determine if local soil conditions meet or exceed minimum soil properties shown on this plan.
6. Pier installation may encounter areas of granular, collapsing soils that may contain perched groundwater. Piers must be extended through soft and organic deposits to provide adequate lateral and vertical support. Temporary casing may be necessary for the drilled pier installation operations to maintain the drilled shaft open through these soils during construction.
7. If the contractor finds any discrepancies between the site and these plans, he shall notify the engineer immediately.
8. Upon receipt of precast products at the job site, the Installation Team shall verify those products are free of cracks and defects prior to installation. Any precast products found to have defects shall be replaced.
9. Unless specifically noted otherwise, no surcharges may be placed behind a retaining wall within a horizontal distance that is equal to the retained height. Prohibited surcharges include staging of construction materials, vehicles, construction, compaction equipment, and vegetation.
10. Unless specifically noted otherwise, the wall and piers shall not be installed adjacent to hillsides, berms, retaining walls, or other areas that may affect the lateral bearing capacity of the piers. Contact the engineer prior to installation if such a condition exists.

CONCRETE:

1. Concrete Materials:
   a. Concrete shall be normal weight concrete having sand and gravel or crushed stone aggregate. Mixed with ASTM-C150, type I or III portland cement to meet the minimum compressive strength as follows:

Elements	f'c (28 days)	Slump	Max w/c Ratio	Insp. Req'd?
Precast Panels & Posts	3000 psi	5"	0.55	No*
Footings & Piers	3000 psi	5"	0.60	No*

   *Precast Panels & Posts have been designed for f'c of 2500 psi, therefore inspection is not required.
   *Footings & Piers have been designed for f'c of 2500 psi, therefore inspection is not required.
   b. Water used for concrete shall be clean water and free from injurious amounts of oils, acids, alkalites, organic or other deleterious substances.
2. Concrete workmanship:
   a. Fresh poured concrete shall be tamped in to place using steel rammer, slicing tools, or mechanical vibrator, until concrete is thoroughly compact and without void.
   b. Excavation for footing shall be on undisturbed soil or to the depth noted on the drawings. Leave the bottom bearing surface clean and smooth. If footing excavations are made deeper than intended, only concrete shall be used for fill. Remove all loose material from excavations prior to concrete pour.
3. All aggregates shall conform to ASTM C33. Maximum aggregate sizes:
   a. Footings: 1-1/2"
   b. All other work: 3/4"
4. The Owner recognizes his or her obligation to ensure that the construction complies with the approved permit documents and to implement this program of special inspections. In partial fulfillment of these obligations, the Owner will retain and directly pay for the Special Inspections as required in the Governing Building Code, Section 1704.2.

SOILS:

1. Footing size is based on the following minimum soil properties:
   a. Soil Compaction ******* 95
   b. Density ******* 110 pcf
   c. Bearing Capacity (Total Load + W/E) ******* 1500 psf
   d. Friction Resistance ****** 0.25
   e. Lateral Bearing ******* 100 psf/ft of depth
   f. Active Pressure ******* 40 pcf

Soils values per geologic/geotechnical report (or "soils report") by LGC Geotechnical, Inc., Project No. 19067-01, dated July 12, 2019. This report and all recommendations contained therein are to be considered a part of these plans.

FILL:

1. All design criteria based on construction on natural ground. Screenwall not to be constructed on berms or fill dirt.

REINFORCEMENTS:

1. Reinforcing material:
   a. Deformed type bars shall conform to ASTM-A 615, Grade 60 placed as shown on the drawings.
   b. Steel reinforcing wire shall meet U.S. Steel Wire gauge, ASTM-A 82. fy = 70,000 psi min galvanized.
   c. All ties and stirrups shall conform to the of ASTM-A 615, grade 40.
   d. All wire mesh shall be galvanized with the gauge and spacing per plan. The smaller spacing shall be placed in the horizontal direction.
2. Reinforcing workmanship:
   a. Reinforcement steel shall be fabricated in accordance with the CRSI Standard Detail. Reinforcing bars shall be cold-bent only. Use of heat to bend reinforcement steel shall be cause for rejection.
   b. Reinforcement steel bars and wire fabric shall be thoroughly cleaned before placing and again before the concrete is placed. Shall be accurately positioned and secured in place. No brick of porous materials may be used to support the steel off the ground.
   c. Install all reinforcement with the following clearance between reinforcing steel and face of concrete:
      1. Footing, pier or beam bottom (3")
      2. Earth-formed pier or beam side (2")
      3. Formed footing, pier or beam sides, exposed (1")
      4. Precast exposed to weather: panels (3/4"), posts (1-1/4")
   d. Splices within continuous unscheduled reinforcing steel shall have a minimum lap of 30 bar diameters.

SEISMIC DESIGN BASIS

Seismic Design Category	E
Site Class	D
Seismic Factors	
S_S / S_1	1.666 / 0.767
S_{DS} / S_{D1}	1.111 / 0.869
Risk Category	II
Importance Factor, I_e	1.00
Resisting System:	Ground Supported Cantilever Fence
Response Mod. Coefficient, R	1.25
Design Base Shear	V = 0.889W
Analysis Procedure:	Eqv. Lateral Force (ASCE 7-16, T. 15.4-2)

AMERICAN PRECAST CONCRETE INC
2246 Durfee Avenue, El Monte, CA 91732, (800) 691-7118
www.AmericanPrecast.com

Note: The Drawings and Specifications and Ideas, Designs and Arrangements Represented Thereby are and Shall Remain the Property of the American Precast Concrete, Inc. and No Part Thereof Shall be Copied, Disclosed to Others or Used in Connection with any Work or Project other than the Specific Project for which they have been Prepared and Developed without the Written Consent of the American Precast Concrete, Inc.

Woodcrete Ranch Rails

Revision:

Proj. Engr.:

Proj. Mngr.:

Date: Scale:

SHEET

1 OF 1

Apr 2, 2020
4:14:50 AM

Theses Specifications are not Job Specific - Additional Engineering Shall be Required. American Precast Concrete - Reserves the Rights to Change & Update Dimensions Without Notice.

ADDENDUM No. 1

For
Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements
CIP 028-2 and 067-1

July 11, 2024

The following amendments are made to the Plans and Bid Documents for the Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements (CIP 028-2 and CIP 067-1)

Item 1 – Revision to Question Submittal Due Date:

Questions and inquiries may be submitted in writing via PlanetBids until 5:00 pm on Thursday, August 1st, 2024.

Item 2 – Revision to the Bid Due Date:

The Bid Due Date has been changed to: 3:00 PM on Tuesday, August 20, 2024

Item 3 – Response to Contractor Questions:

Question 1: When is the tentative start date?
Response: *November 1, 2024, is the anticipated tentative construction start date.*

Question 2: How much is the engineer's estimate?
Response: *Engineer's Cost Estimate is $6,500,000*

Question 3: Is there an allowance?
Response: *There is no allowance*

Question 4: Do we need to be prequalified?
Response: *Prequalification is not required.*

Approved By: _____ DATE: Jul 11, 2024
Jason Farag, Public Works Director

Acknowledged By: _____ DATE: _____
Proposer's Signature

ADDENDUM NO. 1 MUST BE SIGNED AND RETURNED WITH PROPOSAL

Addendum NO 1-CIP 028-2 and CIP 067-1

Final Audit Report 2024-07-12

Created:	2024-07-12
By:	Terri Abercrombie (tabercrombie@cityofwildomar.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAAWLHghL6S72Rcr25yBcJAKcztz1OX94oK

"Addendum NO 1-CIP 028-2 and CIP 067-1" History

Document created by Terri Abercrombie (tabercrombie@cityofwildomar.org)
2024-07-12 - 1:00:52 AM GMT

Document emailed to Jason Farag (jfarag@cityofwildomar.org) for signature
2024-07-12 - 1:01:25 AM GMT

Email viewed by Jason Farag (jfarag@cityofwildomar.org)
2024-07-12 - 1:30:51 AM GMT

Document e-signed by Jason Farag (jfarag@cityofwildomar.org)
Signature Date: 2024-07-12 - 1:31:08 AM GMT - Time Source: server

Agreement completed.
2024-07-12 - 1:31:08 AM GMT

Adobe Acrobat Sign

ADDENDUM No. 2

For
Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements
CIP 028-2 and 067-1

August 15, 2024

The following amendments and clarifications are made to the Plans and Bid Documents for the Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements (CIP 028-2 and CIP 067-1). See revised Bid Schedule (Section B) in the Documents tab of PlanetBids which must be used for the bids.

Item 1 - As-Builts and Soils Report

For additional information regarding existing asphalt thickness sections, As-Builts and soils report have been added to the Documents tab in PlanetBids. The contractor should generally assume existing asphalt concrete varies in thickness between 4" and 8", and removal of all AC, base material, PCC slab under the roadway, and subgrade, to the limits shown on the plans shall be considered as part of the unit cost per Lump Sum of the bid item of Demolition & Removals This is supplemental information only, the contractor shall refer to the plans and specifications for all removals and improvements.

Item 2 - Sections

Existing asphalt sections can be found in the as-builts found in the Documents tab on PlanetBids.

Item 3 - Crack Seal

Crack seal is to be included with the coldmill. Specifically refer to construction note number 25 and the associated details. The Contractor shall assume payment for all work associated with the crack seal work shall be included within bid item 42, and crack seal shall comply with Caltrans specification, Section 37-6 Crack Treatments. There will be no additional compensation for this item.

Item 4 - Leveling Course

The Contractor shall assume up to 15 tons included in Bid item #43.

Item 5 – Plan Sheets Revisions

The City has included multiple plan sheets with corrections as part of this addendum. These plan sheets may be found in the Documents tab of PlanetBids and supersede the corresponding plan sheets issued with the initial Notice of Inviting Bids- See revised Bid Schedule (Section B) which must be used for the bids.

Item – 6 Advanced Notice to Utility Owners

The Contractor must include a minimum of 6 weeks of advanced notice and coordination with Utility Owners to allow for their relocation. The Contractor will not be eligible for any delays or claims for coordination efforts.

Item – 7 Gruwell Pavement Section Changes

Along Gruwell Street from STA 7+50 to STA 9+49.12 and STA 10+69.11 to STA 16+42.58 the Contractor must construct pavement section of 2-inch thick ARHM-GG-C surface course(Bid item 45) over 3-inch thick B-PG64-10 HMA base course(Bid item43) over 8-inch thick compacted aggregate base over 12-inch compacted subgrade(Bid item 17). This pavement section is to join at the BCR or ECR inside the Gruwell Street and the intersection of Palomar Street and Gruwell Street will remain as called out on the Layout plans. See revised Bid Schedule (Section B) which must be used for the bids.

Item – 8 Eastern Municipal Water District Utility Protection

Along Gruwell Street from STA 14+61 to STA 16+31 contractor to install bid item 19, Pavement Reinforcing Fabric, total of 1,700 SF. The contractor must install the pavement reinforcing fabric at a 10-foot width centered along the EMWD 12" reclaimed water line from STA 14+61 to 16+31. Contractor to omit 12-inch scarification, hand compact the surface only and apply the pavement reinforcing fabric throughout the 170-foot length. Contractor to coordinate with EMWD to have inspectors on-site if necessary. See revised Bid Schedule (Section B) which must be used for the bids.

Approved By: _____ DATE: 8/14/2024

Jason Farag, Public Works Director

Acknowledged By: _____ DATE: _____

Proposer's Signature

ADDENDUM NO. 2 MUST BE SIGNED AND RETURNED WITH PROPOSAL

IE General Engineering, Inc.
1440 Beaumont Ave., Ste A2-130
Beaumont, CA 92223

Project NAME: Palomar widening, Phase 2, + wildomar Cemetary Perimeter wall, Fencing + ADA Improvements, Project

CIP # 028-2 + CIP 067-1

Bid Date: 8/20/24

Time: 3:00 P.M

Sealed Bid to:
City of wildmar - Public works / Engineering D
~~21400~~ 23873 Clinton Keith Rd
Ste 110
wildomar, CA 92595

RECIEVED
AUG 20 2024
CITY OF WILDOMAR
2:48 pm

BID DOCUMENTS FOR

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY PERIMETER WALL, FENCING, AND ADA IMPROVEMENTS, PROJECT
CIP 028-2 & CIP 067-1

City of Wildomar
Public Works/Engineering Department
23873 Clinton Keith Road, Suite 110
Wildomar, CA 92595
wildomarpw@cityofwildomar.org
(951) 677-7751

Bids Due: 3:00 PM ~~on Wednesday~~, August ~~14~~ 20th, 2024
At the City Clerk's Office, Wildomar City Hall
23873 Clinton Keith Road, Suite 110, Wildomar, CA 92595

Optional Site Investigation: 10:00 AM on Monday, July 15, 2024
At the Wildomar Cemetery
21400 Palomar Street, Wildomar, CA 92595

Questions and inquiries may be submitted in writing via e-mail until 5:00 pm on Thursday, July 18, 2024 via PlanetBids.

All responses will be made available to all bidders.

Section A.
Bidder's Checklist

All items on the Bidder's Checklist must be initialed and dated for the Proposal to be considered complete. The City of Wildomar reserves the right to award a Contract in a manner and on the basis which will best serve the City, taking into consideration the information in the statement of bidder's Experience/Qualifications and past work history with the City.

The bidders' attention is especially drawn to the following Bid Proposal Forms which must be executed in full as required.

A-1. Bid Schedule and Bid Form

Bid Schedule

The unit prices bid must be shown in the space provided. The total bid price must be shown in the space provided.

Initial: VN Date: 8/17/24

Bid Form

To be filled in and signed by the bidder.

Initial: VN Date: 8/17/24

A-2. Bond Accompanying Bid

This bond is to be executed by the bidder and the surety company unless bid is accompanied by cash. The amount of this bond shall be not less than ten percent (10%) of the total amount bid and may be shown in dollars or on a percentage basis.

Initial: VN Date: 8/17/24

A-3. Non-Collusion Affidavit

A Non-Collusion Affidavit must be filled out, signed, and submitted with the bid proposal for the bid documents to be considered complete.

Initial: VN Date: 8/17/24

A-4. Experience/Qualifications

A statement of the Bidder's Experience/Qualifications must be filled out, signed, and submitted with the bid proposal for the bid documents to be considered complete.

Initial: VN Date: 8/17/24

A-5. Designation of Subcontractors

A Designation of Subcontractors must be filled out and submitted with the bid proposal for the bid documents to be considered complete.

Initial: VN Date: 8/17/24

A-6. Insurance Requirements

The Insurance Section and Exhibit B of the Agreement for Construction Services, for this project have been read and understood.

Initial: VN Date: 8/17/24

A-7. Project Inspection

The bidder certifies that they have toured the project site, and are familiar with the work involved.

Initial: VN Date: 8/17/24

A-8. Bond Requirements

The bidder understands that a performance bond issued by an approved surety equaling one hundred percent (100.0%) of the Contract amount will be required. A payment bond equaling one hundred percent (100.0%) of the Contract amount will also be required.

Initial: VN Date: 8/17/24

A-9. Completion

The City makes no representations or guarantee as to the means or method of the manner of completing the work chosen by the bidder. It is the bidder's responsibility to plan and schedule the work in order to complete the work in the time specified.

Initial: VN Date: 8/17/24

A-10. Addenda

The bidder acknowledges that they must sign and attach any applicable addenda to the bid proposal.

Initial: VN Date: 8/17/24

Section B.
Bid Proposal Form

Proposal To: The Honorable Mayor and City Council

City of Wildomar

Wildomar, California

The undersigned bidder hereby proposes to furnish and deliver all necessary labor, tools, material, tax, transportation, services, equipment and other means of construction to perform the work required for the completion of the project entitled **PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY PERIMETER WALL, FENCING AND ADA IMPROVEMENTS, (CIP 028-2 & CIP 067-1)**, in accordance with the plans, specifications and other contract documents, together with all Addenda issued by the City of Wildomar prior to the opening of the bid proposals, if any, now on file at the office of the City Clerk located at 23873 Clinton Keith Road, Suite 110, Wildomar, California, 92595. The amount set forth on the Bid Schedule includes all labor, materials, transportation, and services necessary to complete said work, including State of California and local sales or use taxes, license or permit fees, if any.

Said bidder declares that it has read the accompanying Invitation to Bid and Instructions to Bidders, has carefully examined the location(s) of the proposed work, and has examined all contract documents, drawings and addenda issued by the City, and that it will contract with the City to construct and complete the project in satisfactory condition, has completed the Bidder's checklist and all other bid documents set forth in Part II, Sections B through G.

If awarded the Contract, the bidder expressly agrees to begin work not later than fifteen (15) calendar days after receiving the Notice to Commence Construction in writing by the City Engineer. The Bidder further agrees to complete all work required under the Contract within **Two Hundred and Forty (240) Working Days**, as that term is defined in Section 4 of the Agreement, upon the issuance of the Notice to Proceed, and to accept in full payment therefore the price indicated on the Bid Schedule. **Working days shall include preconstruction activities such as utility coordination and submittal approval.**

The bidder acknowledges it understands that a waiting period from time of bid opening until award may be sixty (60) days during which time the bid may not be withdrawn. The bidder further acknowledges that it has adjusted the bid price to include all possible items which may influence the proposal during the waiting period. Requests for bid price change due to the waiting period shall not be agreed to or compensable by the City.

As provided in the Bidder's Checklist, enclosed is a ( ) cash deposit, ( ) cashier's check, ( ) surety bid bond (check as appropriate) in an amount of not less than ten percent (10.0%) of the amount of the bid. If a bid bond was submitted, the name of the Surety is

United Casualty in an amount not less than ten percent (10%) of the amount bid. If the enclosure is a check or bond, it is made payable to the City of Wildomar.

The undersigned bidder agrees that the enclosed cash deposit, cashier's check, or surety bond accompanying this proposal, shall be left on deposit with the fund out of which the expenses of preparation and printing of the plans and specifications, estimates of cost, and publication of notice are paid. The undersigned bidder further agrees that this amount is the measure of the liquidated damages which the City will sustain by the default of the undersigned through failure to execute and deliver the above agreement and bonds within ten (10) days of written notice of the award of the contract to the undersigned and that the money or surety bond so deposited shall be collectible and become the property of the City in case of such default.

As required by the Public Contract Code section 4104, the subcontractors listed on the Designation of Subcontractors form constitute each subcontractor and the address and location of place of business of the mill, shop or office of each subcontractor who will perform work or labor or render service to the undersigned bidder in or about the construction of the work hereinabove described in excess of one-half of one percent (0.5%) of the total bid or, in the case of bids or offers for the construction of streets or highways, including bridges in excess of one half of one percent (0.5%) of the Contractor's total bid or ten thousand dollars ($10,000.00), whichever is greater, and the portion of said work which will be done by each subcontractor, if the contract for the said work is awarded to the undersigned.

All bidders shall complete all of the following:

Contractor's Name (Printed):	Van Engineering Inc
Bidders Signature:	
Bidder's Name (Printed):	Vincenzo Nanci
Bidders Title:	President
Address:	24046 Clinton Keith Rd St 101-179, Wildomar CA 92595
Phone Number:	951-760-8825
Email Address:	accounting@van-inc.com
Date:	8/17/2024
Contractor's License Number:	1102034
Contractor's License Classification:	A
Contractor's License Exp. Date:	06/30/2026

(NOTE TO BIDDERS: No bid shall be valid unless signed by the person making the bid. If the party is an individual, the same shall be signed by the individual; if the party is a partnership, the

name of the partnership shall be given and signed by one of the partners; if the same is a corporation, the bid should be signed by the corporation by its properly authorized officer or officers.)

Section E.
Non-Collusion Affidavit

STATE OF ~~CALIFORNIA~~ Washington)
)

COUNTY OF ~~RIVERSIDE~~ Spokane)

I, the undersigned, an authorized representative of Van Engineering, Inc., being first duly sworn, deposes and says that the forgoing bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the Contract of anyone interested in the proposed Contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Contractor's Name (Printed): Van Engineering

Bidders Signature: VAN
(Same Signature as on Bid Proposal Form)

Bidder Name (Printed): Vincenzo Nanci

Bidders Title: PRESIDENT

Date: 8/17/24

Subscribed and sworn to before me

this 17 day of August, ~~2021~~ 2024.

SARA D BLUM
Notary Public
State of Washington
Commission Number 22005104
My Commission Expires
06/29/2025

Sara D Blum
Signature of Notary Public

Section F.
Experience/Qualifications Statement

The bidder has been engaged in the contracting business under the present business name for 5 years. Experience in work of a nature similar to that covered in the proposal extends over a period of 10 years. Operated under IE General Engineering since 2015, Name Change to Van Engineering in 2024

List all California construction or other professional license numbers, classifications and expiration dates held by your firm:

License Number	Classification	Expiration Date
1102034	A	06/30/2026

List your firm's DIR Public Works Contractor (PWCR) Registration Number(s), PWCR Number Entity Name, and Expiration Date

PWCR Number	Entity Name	Expiration Date
2000000589	Van Engineering Inc	06/30/2026

If any of your firm's license(s) are held in the name of a corporation, limited liability company, or partnership, list below the names of the qualifying individual(s) listed on the CSLB records who meet(s) the experience and examination requirements for each license.

License Number	Qualifying Individual	Expiration Date
1102034	Vincenzo Nanci	06/30/2026

Experience/Qualifications Statement (continued)

The bidder, as a Contractor, has never failed to satisfactorily complete a Contract awarded to him, except as follows:

N/A

The following contracts are considered by Contractor to be comparable size and construction to the current and have been satisfactorily completed in the last five (5) years for the persons, firm or authority indicated, and to whom reference is made:

No.	Year	Type of Work	Owner/Agency for Whom Work was Performed	Original Awarded Contract Cost	Final Completed Contract Cost	Number of Contract Change Orders	
1	2022	Concrete and Asphalt Improvements	City of San Bernardino	2,093,700.00	2,393,945.00	Agency	1
						Contractor	0
2	2023	Concrete and Asphalt Improvements	town of Yucca Valley	976,014.00	990,414.00	Agency	1
						Contractor	0
3	2023	Concrete and Asphalt Improvements	City of Jurupa Valley	2,226,197.00	2,293,271.00	Agency	8
						Contractor	0
4	2023	Concrete and Asphalt Improvements	City of Norco	874,752.00	874,752.00	Agency	0
						Contractor	0
5						Agency	
						Contractor	

Experience/Qualifications Statement (continued)

Provide the details requested below for each of the projects listed in the table above. Names and references must be current and verifiable. Only list projects your firm performed as the general contractor. Use separate sheets of paper that contain all of the following information:

Project Name: Sierra Way Pavement Rehab Project

Location: Sierra Way, San Bernardino

Owner: City of San Bernardino

Owner Contact (name, email, and current phone number): Mirela Grigorescu Type text here Grigorescu_Mi@sbcity.org O: 909-384-5202

Description of Project, Scope of Work Performed: Pavement Construction

Total Value of Construction (including change orders): 2,393,945.00

Total Value of Construction Change Orders: 300,000.00

Date Construction Commenced: n/a

Original Contractual Completion Deadline: n/a

Adjusted Completion Deadline Based on Time Extensions Granted by Owner: n/a

Actual Date of Completion: 05/2023

General Contractor's Project Manager (lead contact in office), if applicable: Gio Nanci 951-760-8825

General Contractor's Superintendent (lead contact on project site), if applicable: Jesse Rogers 951-775-8195

Experience/Qualifications Statement (continued)

Provide the details requested below for each of the projects listed in the table above. Names and references must be current and verifiable. Only list projects your firm performed as the general contractor. Use separate sheets of paper that contain all of the following information:

Project Name: Little League Improvements Project

Location: little League Dr., Yucca Valley

Owner: town of Yucca Valley

Owner Contact (name, email, and current phone number): Alex Qishta aqishta@yucca-valley.org 760-369-0801 X 307

Description of Project, Scope of Work Performed: Concrete and Asphalt Improvements

Total Value of Construction (including change orders): 990,414.00

Total Value of Construction Change Orders: 14,400.00

Date Construction Commenced: 02/2023

Original Contractual Completion Deadline: 08/01/2024

Adjusted Completion Deadline Based on Time Extensions Granted by Owner:

Actual Date of Completion: 08/01/2023

General Contractor's Project Manager (lead contact in office), if applicable: Gio Nanci 951-760-8825

General Contractor's Superintendent (lead contact on project site), if applicable: Jesse Rogers 951-775-8195

Experience/Qualifications Statement (continued)

Provide the details requested below for each of the projects listed in the table above. Names and references must be current and verifiable. Only list projects your firm performed as the general contractor. Use separate sheets of paper that contain all of the following information:

Project Name: Third Street improvements

Location: City of Norco

Owner: City of Norco

Owner Contact (name, email, and current phone number): Sam Nelson 951-270-5677

Description of Project, Scope of Work Performed: Concrete and Asphalt Improvements

Total Value of Construction (including change orders): 874,752.00

Total Value of Construction Change Orders:

Date Construction Commenced: 06/2023

Original Contractual Completion Deadline: n/a

Adjusted Completion Deadline Based on Time Extensions Granted by Owner: n/a

Actual Date of Completion: 09/2024

General Contractor's Project Manager (lead contact in office), if applicable: Gio Nanci 951-760-8825

General Contractor's Superintendent (lead contact on project site), if applicable: Jesse Rogers 951-775-8195

Experience/Qualifications Statement (continued)

Provide the details requested below for each of the projects listed in the table above. Names and references must be current and verifiable. Only list projects your firm performed as the general contractor. Use separate sheets of paper that contain all of the following information:

Project Name: Sunnyslope Improvements Project

Location: City of Jurupa Valley

Owner: City of Jurupa Valley

Owner Contact (name, email, and current phone number): Kahono Oei koei@jurupavalley.org 951-332-6464

Description of Project, Scope of Work Performed: Concrete and Asphalt Improvements

Total Value of Construction (including change orders): 2,246,197300

Total Value of Construction Change Orders: 47,074.00

Date Construction Commenced: 02/2023

Original Contractual Completion Deadline: 10/2023

Adjusted Completion Deadline Based on Time Extensions Granted by Owner:

Actual Date of Completion: 10/2023

General Contractor's Project Manager (lead contact in office), if applicable: Gio Nanci 951-760-8825

General Contractor's Superintendent (lead contact on project site), if applicable: Jesse Rogers 951-775-8195

Experience/Qualifications Statement (continued)

The following is a list of plant and equipment owned by the bidder, which is definitely available for use on the proposed work as required. *The bidder may also provide this information as an attachment.*

Quantity	Equipment Name, Type and Capacity	Condition	Location
1	Bobcat S770 Excavator	like new	36520 Villa Del Sol, Wildomar CA 92595
1	John Deere 350 Excavator	like new	36520 Villa Del Sol, Wildomar CA 92595
1	John Deere 310 Backhoe	like new	36520 Villa Del Sol, Wildomar CA 92595
1	John Deere 60G Excavator	like new	36520 Villa Del Sol, Wildomar CA 92595
1	Bobcat SkidSteer	new	36520 Villa Del Sol, Wildomar CA 92595
1	Cat DR6 Dozer	like new	36520 Villa Del Sol, Wildomar CA 92595
1	Super 10 Truck	Like new	36520 Villa Del Sol, Wildomar CA 92595
1	Crew Truck and form truck	new	36520 Villa Del Sol, Wildomar CA 92595
1	Water Truck	like new	36520 Villa Del Sol, Wildomar CA 92595

Contractor's Name (Printed): Van Engineering Inc

Bidders Signature:

Bidders Name (Printed): Vincenzo Nanci
(Same Signature as on Bid Proposal Form)

Bidders Title: President

Date: 08/17/2024

Section G.
Designation of Subcontractors

In compliance with the provisions of Section 4100-4114 of the Public Contracts Code of the State of California, and any amendments thereof, each bidder shall set forth below the name and location of the mill, shop, or office of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work or improvement to be performed under these specifications in excess of one half of one percent (0.5%) of the prime Contractor's total bid or, in the case of bids or offers for the construction of streets or highways including bridges in excess of one half of one percent (0.5%) of the Contractor's total bid of ten thousand dollars ($10,000.00), whichever is greater. The prime Contractor shall list the portion of the work which will be done by such subcontractor.

If the Contractor fails to specify a subcontractor for any portion of the work to be performed under the Contract, he shall be deemed to have agreed to perform such portion himself, and he shall not be permitted to subcontract that portion of the work except under the conditions hereinafter set forth.

Subletting or subcontracting of any portion of the work as to which no subcontractor was designated in the original bid shall only be permitted in cases of public emergency or necessity, and then only after a finding reduced to writing as a public record of the awarding authority setting forth the facts constituting the emergency or necessity.

SUBCONTRACTOR				PORTION OF WORK	% OF TOTAL BID AMOUNT	PORTION OF TOTAL BID AMOUNT ($)
Name	On Point Land Surveying	**CSLB #**	LS 8133	Survey	1%	41,800.00
Location	Redlands, CA	**DIR #**	1000003100			
Name	Chrisp Company	**CSLB #**	374600	Striping	1.5%	107,790.00
Location	Stockton, CA	**DIR #**	1000000306			
Name	Marina landscape	**CSLB #**	492862	landscape and Irrigation	6%	461,235.00
Location	lake Elsinore,CA	**DIR #**	1000000079			
Name	In line Construction	**CSLB #**	769516	Fencing	8%	670,875.75
Location	Ramona, CA	**DIR #**	1000002605			

Section G.
Designation of Subcontractors

In compliance with the provisions of Section 4100-4114 of the Public Contracts Code of the State of California, and any amendments thereof, each bidder shall set forth below the name and location of the mill, shop, or office of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work or improvement to be performed under these specifications in excess of one half of one percent (0.5%) of the prime Contractor's total bid or, in the case of bids or offers for the construction of streets or highways including bridges in excess of one half of one percent (0.5%) of the Contractor's total bid of ten thousand dollars ($10,000.00), whichever is greater. The prime Contractor shall list the portion of the work which will be done by such subcontractor.

If the Contractor fails to specify a subcontractor for any portion of the work to be performed under the Contract, he shall be deemed to have agreed to perform such portion himself, and he shall not be permitted to subcontract that portion of the work except under the conditions hereinafter set forth.

Subletting or subcontracting of any portion of the work as to which no subcontractor was designated in the original bid shall only be permitted in cases of public emergency or necessity, and then only after a finding reduced to writing as a public record of the awarding authority setting forth the facts constituting the emergency or necessity.

SUBCONTRACTOR				PORTION OF WORK	% OF TOTAL BID AMOUNT	PORTION OF TOTAL BID AMOUNT ($)
Name	Ferreira	CSLB #	985180	16,68,69,83 Electrical Items	14%	988,033.00
Location	Rancho Cucamonga, CA	DIR #	1000001634			
Name		CSLB #				
Location		DIR #				
Name		CSLB #				
Location		DIR #				
Name		CSLB #				
Location		DIR #				

VERIFICATION OF CALIFORNIA

CONTRACTOR'S LICENSE

I certify, under penalty of perjury, that I have a valid California Contractor's license issued pursuant to Business and Professions Code section 7000 and following, and was so licensed at the time that the bid was awarded:

California Contractor's License:

1102034 "A" 06/30/26

License Number Class Expiration Date

Vincenzo Nania - Van Engineering

CONTRACTOR (PRINT OR TYPE)

8/17/24

Date

Signature

(Public Contract Code § 6100)

CERTIFICATE REGARDING

WORKERS' COMPENSATION

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this contract.

Vincenzo Nanu - Van Engineering
Name (print or type)

8/17/24
Date

Signature

ADDENDUM No. 1

For

Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements
CIP 028-2 and 067-1

July 11, 2024

The following amendments are made to the Plans and Bid Documents for the Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements (CIP 028-2 and CIP 067-1)

Item 1 – Revision to Question Submittal Due Date:

Questions and inquiries may be submitted in writing via PlanetBids until 5:00 pm on Thursday, August 1st, 2024.

Item 2 – Revision to the Bid Due Date:

The Bid Due Date has been changed to: 3:00 PM on Tuesday, August 20, 2024

Item 3 – Response to Contractor Questions:

Question 1: When is the tentative start date?
Response: *November 1, 2024, is the anticipated tentative construction start date.*

Question 2: How much is the engineer's estimate?
Response: *Engineer's Cost Estimate is $6,500,000*

Question 3: Is there an allowance?
Response: *There is no allowance*

Question 4: Do we need to be prequalified?
Response: *Prequalification is not required.*

Approved By: _____ DATE: Jul 11, 2024
Jason Farag, Public Works Director

Acknowledged By: _____ DATE: 8/17/24
Proposer's Signature

ADDENDUM NO. 1 MUST BE SIGNED AND RETURNED WITH PROPOSAL

ADDENDUM No. 2

For

Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements CIP 028-2 and 067-1

August 15, 2024

The following amendments and clarifications are made to the Plans and Bid Documents for the Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing and ADA Improvements (CIP 028-2 and CIP 067-1). See revised Bid Schedule (Section B) in the Documents tab of PlanetBids which must be used for the bids.

Item 1 - As-Builts and Soils Report

For additional information regarding existing asphalt thickness sections, As-Builts and soils report have been added to the Documents tab in PlanetBids. The contractor should generally assume existing asphalt concrete varies in thickness between 4" and 8", and removal of all AC, base material, PCC slab under the roadway, and subgrade, to the limits shown on the plans shall be considered as part of the unit cost per Lump Sum of the bid item of Demolition & Removals This is supplemental information only, the contractor shall refer to the plans and specifications for all removals and improvements.

Item 2 - Sections

Existing asphalt sections can be found in the as-builts found in the Documents tab on PlanetBids.

Item 3 - Crack Seal

Crack seal is to be included with the coldmill. Specifically refer to construction note number 25 and the associated details. The Contractor shall assume payment for all work associated with the crack seal work shall be included within bid item 42, and crack seal shall comply with Caltrans specification, Section 37-6 Crack Treatments. There will be no additional compensation for this item.

Item 4 - Leveling Course

The Contractor shall assume up to 15 tons included in Bid item #43.

Item 5 – Plan Sheets Revisions

The City has included multiple plan sheets with corrections as part of this addendum. These plan sheets may be found in the Documents tab of PlanetBids and supersede the corresponding plan sheets issued with the initial Notice of Inviting Bids- See revised Bid Schedule (Section B) which must be used for the bids.

Item – 6 Advanced Notice to Utility Owners

The Contractor must include a minimum of 6 weeks of advanced notice and coordination with Utility Owners to allow for their relocation. The Contractor will not be eligible for any delays or claims for coordination efforts.

Item – 7 Gruwell Pavement Section Changes

Along Gruwell Street from STA 7+50 to STA 9+49.12 and STA 10+69.11 to STA 16+42.58 the Contractor must construct pavement section of 2-inch thick ARHM-GG-C surface course(Bid item 45) over 3-inch thick B-PG64-10 HMA base course(Bid item43) over 8-inch thick compacted aggregate base over 12-inch compacted subgrade(Bid item 17). This pavement section is to join at the BCR or ECR inside the Gruwell Street and the intersection of Palomar Street and Gruwell Street will remain as called out on the Layout plans. See revised Bid Schedule (Section B) which must be used for the bids.

Item – 8 Eastern Municipal Water District Utility Protection

Along Gruwell Street from STA 14+61 to STA 16+31 contractor to install bid item 19, Pavement Reinforcing Fabric, total of 1,700 SF. The contractor must install the pavement reinforcing fabric at a 10-foot width centered along the EMWD 12" reclaimed water line from STA 14+61 to 16+31. Contractor to omit 12-inch scarification, hand compact the surface only and apply the pavement reinforcing fabric throughout the 170-foot length. Contractor to coordinate with EMWD to have inspectors on-site if necessary. See revised Bid Schedule (Section B) which must be used for the bids.

Approved By: _____ DATE: 8/14/2024

Jason Farag, Public Works Director

Acknowledged By: _____ DATE: 8/17/24

Proposer's Signature

ADDENDUM NO. 2 MUST BE SIGNED AND RETURNED WITH PROPOSAL

Bond#: UCSX333X4979

Section D.
Bidder's Bond

We Van Engineering, Inc. as Principal, and United Surety Insurance Company as Surety are bound unto the City of Wildomar, hereafter referred to as "Oblige", in the penal sum of ten percent (10%) of the total amount of the bid of the Principal submitted to the Oblige for the work described below, for the payment of which sum we bind ourselves, jointly and severally,

THE CONDITION OF THIS OBLIGATION IS SUCH, THAT:

WHEREAS, the Principal is submitting a bid to the Obligee, for Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing, and ADA Improvements, Project CIP 028-2 & CIP 067-1

(Copy here the exact description of work, including location, as it appears on the proposal)

for which bids are to be opened at City Clerk's Office, Wildomar City Hall, 23873 Clinton Keith Road, Suite 110

(Insert place where bids will be opened)

Wildomar, CA 92595 on August 20, 2024

NOW, THEREFORE, if the Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the Oblige, one to guarantee faithful performance (if specified in the contract) of the contract and the other to guarantee payment for labor and materials as provided by law, then this obligation shall be null and void; otherwise, it shall remain in full force.

In the event a suit is brought upon this bond by the Oblige and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court.

Dated: August 20, 2024

Van Engineering, Inc.

By _____
Principal

Business Address 24046 Clinton Keith Rd. 104-179
Wildomar, CA 92595

United Surety Insurance Company

*By _____
Surety Greg Angel, Attorney-In-Fact

Business Address
303 Congress Street, Suite 502
Boston, MA 02210

CERTIFICATE OF ACKNOWLEDGMENT

City of Wildomar

County of _____ SS

On this _____ day of _____ in the year 2020 before me, a notary public in and for the county and state aforesaid, personally appeared _____
Attorney-in-Fact

known to me to be the person whose name is subscribed to the within instrument and known to me to be the Attorney-in-Fact of _____, and acknowledgment to me that he (she) subscribed the name of the said company thereto as surety, and his (her) own name as Attorney-in-Fact.

(SEAL)

_____
Notary Public

***Note: The signature of the Surety must be done before a Notary Public and acknowledgements with appropriate seals attached hereto. Also the Surety must be authorized and licensed by the California Insurance Commissioner as an "admitted surety insurer."**

Principal Acknowledgment

State of _____}
} ss:
County of _____}

On this _____ day of _____, 2024, before me personally came_____ to me known and who being by me duly sworn, did depose and say that he is the _____of _____. the corporation described in and which executed the above instrument; that he knows the seal of said corporation, that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that he signed his/her name thereto by like order.

My commission expires_____ _____
Notary Public

Surety Acknowledgment

State of Massachusetts}
} ss:
County of Middlesex}

On this 20th day of August, 2024, before me personally came Greg Angel to me known, who, being by me duly sworn, did depose and say that he/she is an attorney-in-fact of United Surety Insurance Company the corporation described in and which executed the within instrument; that he knows the corporate seal of said corporation; that the seal affixed to the within instrument is such corporate seal, and that he signed the said instrument and affixed the said seal as Attorney-in-Fact by authority of the Board of Directors of said corporation and by authority of this office under the Standing Resolutions thereof.

My commission expires October 26, 2029 Andrea Hughes
Notary Public

ANDREA HUGHES
Notary Public, Commonwealth of Massachusetts
My Commission Expires October 26, 2029

UNITED CASUALTY AND SURETY INSURANCE COMPANY
US Casualty and Surety Insurance Company
United Surety Insurance Company

POWER OF ATTORNEY

Agency No: 171333

KNOW ALL MEN BY THESE PRESENTS: That United Casualty and Surety Insurance Company, a corporation of the State of Nebraska, and US Casualty and Surety Insurance Company and United Surety Insurance Company, assumed names of United Casualty and Surety Insurance Company (collectively, the Companies), do by these presents make, constitute and appoint: **Mark D. Leskanic, Matthew Leskanic, Greg Angel, Colin Warner, Lauren Leskanic**

its true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver **any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include riders, amendments, and consents of surety, providing the bond penalty does not exceed Five Million & 00/100 Dollars ($5,000,000.00)**. This Power of Attorney shall expire without further action on December 31st, 2024.

This Power of Attorney is granted under and by authority of the following resolutions adopted by the Board of Directors of the Companies at a meeting duly called and held on the 1st day of July, 1993:

> Resolved that the President, Treasurer, or Secretary be and they are hereby authorized and empowered to appoint Attorneys-in-Fact of the Company, in its name and as its acts to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected Officers of the Company in their own proper persons.
>
> That the signature of any officer authorized by Resolutions of this Board and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereunto affixed, this 21st day of June, 2023

UNITED CASUALTY AND SURETY INSURANCE COMPANY
US Casualty and Surety Insurance Company
United Surety Insurance Company

Michael T. Porsch, Treasurer

Corporate Seals

Commonwealth of Massachusetts
County of Middlesex ss:

On this 21st day of June, 2023, before me, Colleen A. Cochrane, a notary public, personally appeared, Michael T. Porsch, Treasurer of United Casualty and Surety Insurance Company, US Casualty and Surety Insurance Company and United Surety Insurance Company, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the Commonwealth of Massachusetts that the foregoing paragraph is true and correct.
WITNESS my hand and seal.

(Seal)
Notary Public Commission Expires: 10/27/2028

COLLEEN A. COCHRANE
Notary Public, Commonwealth of Massachusetts
My Commission Expires 10/27/2028

I, Robert F. Thomas, President of United Casualty and Surety Insurance Company, US Casualty and Surety Insurance Company and United Surety Insurance Company do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Newton, Massachusetts this 20th day of August, 2024

Corporate Seals

Robert F. Thomas, President

TO CONFIRM AUTHENTICITY OF THIS BOND OR DOCUMENT EMAIL: CONFIRMBOND@UNITEDCASUALTY.COM

United Casualty and Surety Insurance Company
DBA United Surety Insurance Company
DBA US Casualty and Surety Insurance Company
Statement of Assets, Liabilities, and Surplus
Year Ended December 31

	Year Ended	
	2023	2022
Admitted Assets		
Cash and Short Term Investments	$36,321,994	$31,465,020
Stocks	2,176,755	8,768,938
Bonds	6,738,979	7,551,512
Uncollected Premiums & Agents' Balance:	2,272,570	1,435,198
Other Assets	2,402,610	1,545,047
Total Net Admitted Assets	$49,912,908	$50,765,715
Liabilities		
Funds Held as Collateral	$14,101,531	$21,026,579
Unearned Premium	8,098,812	6,512,401
Losses	1,919,898	1,469,311
Other Expenses	528,056	415,552
Taxes, Licenses, and Fees	147,927	180,394
Loss Adjustment Expenses	530,475	221,268
Payable to Parent or Affiliates	1,001,040	1,277,138
Ceded Reinsurance Payable	1,277,138	173,769
Other Liabilities	442,295	318
Total Liabilities	$28,047,172	$31,276,730
Capital and Surplus		
Paid In Surplus	$17,364,311	$16,615,161
Unassigned Surplus	2,005,680	378,079
Common Stock	2,600,000	2,600,000
Less: Treasury Stock	104,255	104,255
Total Capital and Surplus	$21,865,736	$19,488,985
Total Liabilities and Capital and Surplus	$49,912,908	$50,765,715

I, Raymond Kyle Fowler, Treasurer and Secretary of United Casualty and Surety Insurance Company, hereby certify that the above is an exact copy of the financial statements of the Company dated December 31, 2023 and is a true and correct statement of the condition of United Casualty and Surety Insurance Company as of that date.

IN TESTIMONY WHEREOF, I have set my hand and affixed the seal of the Company this 5th day of March 2024.

By R. Kyle Fowler
R. Kyle Fowler, Treasurer and Secretary

Section C.

Bid Schedule

The following quantities are approximate only and are given for the purpose of comparing proposals. The City does not expressly or by implication agree that the actual amount of work will correspond with quantities given herein but reserves the right to increase or decrease the amount of any class or portion of the work as may be deemed necessary or advisable by the Public Works Director and/or the City Engineer. Payment will be based upon the actual quantities installed or constructed, unless otherwise specified. In the event of any increases or decreases in the amount of the work including change orders for extracontractual work, the unit price numbers shall be used in the calculation of any payment increases/decreases.

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS

CIP 028-2 & 067-1

Item No.	Description	Units	Est. Quantity	Unit Price	Total Price
1	Mobilization, Demobilization, Bonds, Insurance, ID Signs, & Misc	LS	1	350,000.00	350,000.00
2	Development of SWPPP& Implementation of BMPs (Risk Level 2)	LS	1	50,000.00	50,000.00
3	Traffic Control System	LS	1	300,000.00	300,000.00
4	Pre-Construction Cemetery GPR Subsurface Inspection	LS	1	20,000.00	20,000.00
5	Construction Survey Including Monument Preservation	LS	1	50,000.00	50,000.00
6	Clearing and Grubbing	LS	1	380,000.00	380,000.00
7	Demolition & Removals	LS	1	450,000.00	450,000.00
8	Adjust Water Meter Box to Grade (EVMWD)	EA	6	350.00	2100.00
9	Remove Existing 1" Water Meter and Install New Water Meter Service (EVMWD)	EA	3	15,000.00	45,000.00
10	Adjust Water Valve Can to Grade (EMWD)	EA	1	750.00	750.00
11	Adjust Water Valve Can to Grade (EVMWD)	EA	43	250.00	10,750.00
12	Adjust Fire Hydrant to Grade (EVMWD)	EA	2	8000.00	16,000.00

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS

CIP 028-2 & 067-1

Item No.	Description	Units	Est. Quantity	Unit Price	Total Price
13	Relocate Fire Hydrant (EVMWD)	EA	2	20,000.00	40,000.00
14	Remove, Relocate and Install 6" & 8" Air Vaccuum / Air Relief Assembly (EVMWD)	EA	2	15,000.00	30,000.00
15	Remove, Relocate and Install 6" & 8" Blow Off Assembly (EVMWD)	EA	1	22,000.00	22,000.00
16	Install New Pull Box and Extend Conductors / Conduit	LS	1	4500.00	4500.00
17	Place and Compact Class II Aggregate Base	CY	10,400	55.00	572,000.00
18	Place and Compact Decomposed Granite Trail	SF	4,800	8.00	38,400.00
19	Install Pavement Reinforcement Fabric	SF	11,000	1.50	16,500.00
20	Install Stormwater Membrane Filtration Device in Existing Drop Inlet Structure	EA	3	5000.00	15,000.00
21	Install Corrugated HDPE Pipe	LF	25	150.00	3750.00
22	Install Corrugated Steel Pipe Entrance Taper	EA	2	1500.00	3000.00
23	Construct Multi-Use Trail Fence	LF (F)	780	225.00	175,500.00
24	Construct Type A-6 PCC Curb and Gutter	LF	1,920	45.00	86,400.00
25	Construct Type A-8 PCC Curb and Gutter	LF	650	47.00	30,550.00
26	Construct Type 6 PCC Curb	LF	980	35.00	34,300.00
27	Construct PCC Retaining Curb	LF	20	75.00	1500.00
28	Install PCC Wheel Stop	EA	2	175.00	350.00
29	Construct 8" Thick PCC Cross Gutter / Spandrel	SF	6,800	18.00	122,400.00

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS

CIP 028-2 & 067-1

Item No.	Description	Units	Est. Quantity	Unit Price	Total Price
30	Construct 8" Thick Modified PCC Commercial Driveway Apron	SF	7,600	9.00	68,400.00
31	Construct 6" Thick Modified PCC Residential Driveway Apron	SF	820	7.50	6150.00
32	Construct PCC Parkway Drain	EA	1	5500.00	5500.00
33	Construct 4" PCC Sidewalk	SF	8,500	6.50	55,250.00
34	Construct PCC Curb Ramp	SF	8,300	22.00	182,600.00
35	Construct 6" Thick PCC Pavement	SF	2,500	7.00	17,500.00
36	Construct 6" Thick Decorative PCC Pavement	SF	1,150	14.00	16,100.00
37	Construct 6" Thick PCC Bus Shelter Pad	SF	285	9.00	2565.00
38	Construct 8" Thick PCC Bus Turn Out	SF	2,950	18.00	53,100.00
39	Construct 8" Thick PCC Bus Apron	SF	1,200	18.00	21,600.00
40	Construct 4" Thick PCC Median to Match Existing	SF	110	30.00	3300.00
41	Install Slurry Seal	TN	1	7500.00	7500.00
42	Cold Mill AC Pavement	SF	32,150	1.00	32,150.00
43	Construct Type III-B2-PG64-10 HMA Concrete Base Course	TN	3,225	150.00	483,750.00
44	Construct Type III-C3-PG64-16 HMA Concrete Surface Course	TN	185	155.00	28,675.00
45	Construct ARHM-GG-C Surface Course	TN	2,100	175.00	367,500.00
46	Construct 4" Thick Decorative Asphalt Concrete Multi-Use Trail	SF	11,500	19.00	218,500.00
47	Construct 4" Thick Decorative Asphalt Concrete Sidewalk	SF	6,230	22.00	137,060.00

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS

CIP 028-2 & 067-1

Item No.	Description	Units	Est. Quantity	Unit Price	Total Price
48	Construct 4" Thick Asphalt Concrete Sidewalk	SF	5080	4.85	24,638.00
49	Construct AC Berm	LF	1,100	25.00	27,500.00
50	Construct AC Dike	LF	500	25.00	12,500.00
51	Remove and Reinstall Brick Pavers	SF	1,250	30.00	37,500.00
52	Install Salvaged Mail Box	EA	1	500.00	500.00
53	Install Post Office ADA Walkway, Curb, and Metal Handrailing	SF	450	40.00	18,000.00
54	Install Decorative Automated Wrought Iron Gate (Gruwell), Complete and Operational	LS	1	106,000.00	106,000.00
55	Install Decorative Automated Wrought Iron Gate (Palomar), Complete and Operational	LS	1	103,650.00	103,650.00
56	Install Decorative Wrought Iron Swing Gate (Gruwell Pedestrian Access)	LS	1	14,200.00	14,200.00
57	Install Decorative Wrought Iron Roll Gate (Gruwell Waste Enclosure Access)	LS	1	47,400.00	47,400.00
58	Install 4 High Decorative Wrought Iron Fence to Match Existing	LF	18	1165.00	20,970.00
59	Install 4.5' High Decorative Wrought Iron Fence	LF	290	530.00	153,700.00
60	Install 6.5' High Decorative Wrought Iron Fence	LF	15	1305.00	19,575.00
61	Install 4.0' High Chain Link Fence	LF	10	1480.00	14,800.00
62	Install Split Rail Vinyl Fence to Match Existing	LF	60	170.00	10,200.00
63	Install Cobble Rock	SF	200	60.00	12,000.00
64	Install Class V Rock Slope Protection	CY	45	900.00	40,500.00

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS

CIP 028-2 & 067-1

Item No.	Description	Units	Est. Quantity	Unit Price	Total Price
65	Install 3/4 – Inch Fractured Rock	CY	125	90.00	11,250.00
66	Construct Decorative Perimeter Wall	LF	530	1440.00	763,200.00
67	Traffic Striping, Pavement Markings, Markers, and Signage	LS	1	118,250.00	118,250.00
68	Traffic Signal Modifications (Gruwell / Palomar Intersection)	LS	1	442,800.00	442,800.00
69	Traffic Signal Modifications (Wildomar Trail / Palomar Intersection)	LS	1	478,000.00	478,000.00
70	Install Cemetery Main Office Signage Assembly, Columbarium Plinth and Plaque, & Pet Station	LS	1	25,000.00	25,000.00
71	Install Bench	EA	7	4000.00	28,000.00
72	Install Removable Bollard	EA	28	2600.00	72,800.00
73	Install Trash Receptacle	EA	5	4000.00	20,000.00
74	Install Irrigation System, Complete and Operational	LS	1	130,000.00	130,000.00
75	Install 24" Box Tree	EA	19	360.00	6840.00
76	Install Shrubs, 5 Gallon	EA	90	30.00	2700.00
77	Install Shrubs, 2 Gallon	EA	105	25.00	2625.00
78	Install Shrubs, 1 Gallon	EA	500	15.00	7500.00
79	Replace Landscape and Repair Irrigation to Match Existing	SF	12,350	6.00	74,100.00
80	Apply Weed Fabric and Install Much (3" Thick)	CY	675	170.00	114,750.00
81	Install Root Barrier	LF	845	11.00	9295.00
82	Landscaping, Irrigation, and Plant Establishment Period	LS	1	1000.00	1000.00

PALOMAR STREET WIDENING, PHASE 2, AND WILDOMAR CEMETERY WALL, FENCING AND ADA IMPROVEMENTS

CIP 028-2 & 067-1

Item No.	Description	Units	Est. Quantity	Unit Price	Total Price
83	Electrical Service at Cemetery	LS	1	75,000.00	75,000.00
84	Landscaping and Irrigation at Commercial Center	LS	1	71,000.00	71,000.00
			TOTAL BID PRICE	7,695,693.00	

ABBREVIATIONS

CY	Cubic Yards	**EA**	Each	**LB**	Pounds
LF	Lineal Feet	**LS**	Lump Sum	**SF**	Square Feet
SY	Square Yards	**(F)**	Final Pay Quantity		

TOTAL BID PRICE IN WORDS:

Seven million six hundred ninety five thousand six hundred ninety three dollars zero cents

NOTE: The award of contract will be made to the lowest responsible bidder submitting the lowest responsive bid. The lowest responsive bid shall be determined by the TOTAL BID PRICE, as calculated from Unit Prices.

Contractor's Name (Printed): Van Engineering Inc

Bidders Signature: VAN
(Same Signature as on Proposal)

Bidders Name (Printed): Vincenzo Nanci

Bidders Title: President

Date: 08/17/2024

PUBLIC WORKS CONTRACT

This contract ("**Contract**") is effective as of October 9, 2024, and is between the CITY OF WILDOMAR, a California municipal corporation ("**Owner**"), and Van Engineering, Inc., a California corporation ("**Contractor**"), collectively referred to as the "**Parties**" and individually a "**Party**."

Recitals. This Contract is entered into with respect to the following facts:

Owner received Contractor's Proposal for the Work involved in the Palomar Street Widening, Phase 2, and Wildomar Cemetery Perimeter Wall, Fencing, and ADA Improvements Project CIP 028-2 and 067-1 ("**Project**"), which is more fully described in the Contract Documents.

Contractor represents and warrants that it is fully qualified to perform all of the Work required to complete the Project.

Contractor agrees to perform all such Work in the time and manner set forth in the Contract Documents.

The City Council has awarded the Contract to Contractor.

Contract Documents. This Contract consists of the following documents ("**Contract Documents**"), all of which are made a part of this Contract:

Contractor's Proposal (for reference purposes only)

This Contract

Notice to Proceed

Verification of California Contractor's License

Contractor's Certificate Regarding Workers' Compensation

Security for payment (labor and materials)

Security for performance

Certificate(s) of Insurance

Bid Documents (including attached plans and drawings)

Other documents (list here)

Exhibit A – Compensation

Exhibit B – Insurance

The Work.

The Work ("**Work**") to be performed by Contractor is described in the Contract Documents.

In completing the Work, Contractor must employ, at a minimum, the applicable generally accepted professional standards of its industry in existence at the time of performance as utilized by persons engaging in similar Work.

Except as specifically provided in the Contract Documents, Contractor must furnish, at its sole expense, all of the labor, materials, tools, equipment, services and transportation necessary to perform all of the Work, including any incidental Work that is not expressly shown or described in the Contract Document but is required for the successful completion of the Work.

Contractor must perform all of the Work in strict accordance with the Contract Documents.

Time to Perform the Work.

Commencement Date will be on the date established in the Notice to Proceed. Owner reserves the right to modify or alter the Commencement Date of the Work.

Final Completion Date: Within 240 days of date of Notice to Proceed.

Time is of the essence with respect to Contractor's Work. Contractor agrees to diligently pursue performance of the Work within the time specified by the Contract Documents.

Contractor will be excused from any delay in performance or failure to perform due to causes beyond the control of Contractor and not reasonably anticipated by the parties. Such causes include, but are not limited to, acts of God, acts of terrorism, acts of federal, state or local governments, acts of Owner, court orders, fires, floods, epidemics, strikes, embargoes, and unusually severe weather.

If Contractor is delayed by any cause beyond Contractor's control, Owner may, but is not required to, grant a time extension for the completion of the Work. If delay occurs, Contractor must notify Owner in writing within 48 hours of the cause and identify the extent of the delay, how such delay interferes with Contractor's performance of the Work, and the impact of the delay on the Project's schedule's critical path through the submission of a "**Time Impact Evaluation**" (**TIE**).

TIE Format and Contents. Each TIE must include a written narrative and a schedule diagram depicting how the delay or other impact affects other schedule activities. The schedule diagram must show how Contractor proposes to incorporate and mitigate the delay or other impact in the schedule and how it impacts the current schedule update critical path or otherwise. Contractor is also responsible for establishing time extensions based on the TIE's impact on the critical path. The diagram must be tied to the main sequence of scheduled activities to enable Owner to evaluate the impact of the delay, including any impacted Work activities, to the scheduled critical path.

Contractor is responsible for all costs associated with preparing TIE's, and the process of incorporating TIE's into the current schedule update.

Liquidated Damage Amounts.

As liquidated damages for delay Contractor must pay Owner $3,500 dollars ($3,500.00) for each calendar day that expires after the time specified for Contractor to achieve Final Completion of the entire Work, until achieved.

Scope of Liquidated Damages.

Contractor and Owner agree that because of the nature of the Project, it would be impractical or extremely difficult to fix the amount of such actual damages incurred by Owner because of a delay in completion of all or any part of the Work. Contractor and Owner agree that specified measures of liquidated damages will be presumed to be the amount of such damages actually sustained by Owner, and that because of the nature of the Project, it would be impracticable or extremely difficult to fix the actual damages.

Liquidated damages for delay will cover administrative, overhead, interest on bonds, and general loss of public use damages suffered by Owner as a result of delay. Liquidated damages will not cover the cost of completion of the Work, damages resulting from Defective Work, lost revenues or costs of substitute facilities, or damages suffered by others who then seek to recover their damages from Owner (for example, delay claims of other contractors, subcontractors, tenants, or other third-parties), and defense costs thereof. Owner may deduct from any money due or to become due to Contractor subsequent to time for completion of entire Work and extensions of time allowed pursuant to this Contract, a sum representing then-accrued liquidated damages.

Compensation and Payment.

Subject to any limitations provided in the Contract Documents, Owner agrees to pay Contractor, as full consideration for the faithful performance and successful completion of all Work under the Contract Documents, including all labor, materials, equipment furnished in connection therewith, the compensation set forth in Exhibit A ("**Compensation**"), which is made a part of this Contract.

Contractor must furnish to Owner a Pay Estimate for the Work performed in accordance with the Contract Documents. Contractor may not submit a Pay Estimate more often than once every 30 days.

Owner will review each Pay Estimate and determine whether the Work performed is in accordance with the Contract Documents. Owner may require Contractor to provide a release of all undisputed Contract amounts contained in the Pay Estimate.

If Owner disputes any item on a Pay Estimate, Owner will give Contractor notice stating the reasons for the dispute. The Parties will meet and confer in good faith to attempt to resolve the dispute.

In accord with Public Contract Code § 7201(b), City has determined this project is "substantially complex" and warrants a ten percent (10%) retention amount from all progress payments until all of the project work has been successfully completed and accepted by City.

Except as to any charges for the Work performed that Owner disputes and excluding the Owner's 10 percent retention on all approved progress payments, Owner will cause Contractor to be paid within 30 days of the date of the Pay Estimate or the date that Contractor furnishes Owner with a release of all undisputed Contract amounts, whichever occurs later. If the Project is paid for in whole or in part with federal funds, progress payments made to Contractor will not be subject to the five-percent retention noted above.

In the event there is any claim specifically excluded by Contractor from the operation of any release, Owner may retain an amount not to exceed the amount of the excluded claim.

Labor Code and Prevailing Wage Requirements.

The contractor agrees to comply with the requirements of California Labor Code sections 1810 through 1815. Eight hours of labor constitutes a legal day's Work per Labor Code section 1810. Contractor will forfeit the statutory penalty to Owner for each Worker employed in the execution of this Contract by Contractor or any subcontractor for each calendar day during which such Worker is required or permitted to Work more than eight hours in any one calendar day and 40 hours in any one calendar week in violation of the provisions of Labor Code sections 1810 through 1815.

Copies of the determination of the Director of the Department of Industrial Relations of the prevailing rate of per diem wages for each craft, classification or type of Worker needed to execute this Contract are available for download from the State website: http://www.dir.ca.gov/OPRL/dprewagedetermination.htm.

Contractor must post at the Work site, or if there is no regular Work site then at its principal office, for the duration of the Contract, a copy of the determination by the Director of the Department of Industrial Relations of the specified prevailing rate of per diem wages. (Labor Code § 1773.2.) When applicable, copies of the prevailing rate of per diem wages will be on file at Owner's main office and available to Contractor and any other interested party upon request.

Contractor, and any subcontractor engaged by Contractor, must pay not less than the specified prevailing rate of per diem wages to all Workers employed in the execution of the contract. (Labor Code § 1774.) Contractor is responsible for compliance with Labor Code section 1776 relative to the retention and inspection of payroll records.

Contractor must comply with all provisions of Labor Code section 1775. Under Section 1775, Contractor will forfeit the statutory penalty to Owner for each Worker employed in the execution of the Contract by Contractor or any subcontractor for each calendar day, or portion thereof, in which the Worker is paid less than the prevailing rates. Contractor may also be liable to pay the difference between the prevailing wage rates and the amount paid to each Worker for each calendar day, or portion thereof, for which each Worker was paid less than the prevailing wage rate.

Nothing in this Contract prevents Contractor or any subcontractor from employing properly registered apprentices in the execution of the Contract. Contractor is responsible for compliance with Labor Code section 1777.5 for all apprenticeable occupations. This statute requires that contractors and subcontractors must submit contract award information to the applicable joint apprenticeship committee, must employ apprentices in apprenticeable occupations in a ratio of not less than one hour of apprentice's Work for every five hours of labor performed by a journeyman (unless an exception is granted under § 1777.5), must contribute to the fund or funds in each craft or trade or a like amount to the California Apprenticeship Council, and that contractors and subcontractors must not discriminate among otherwise qualified employees as apprentices solely on the ground of sex, race, religion, creed, national origin, ancestry or color. Only apprentices defined in Labor Code section 3077, who are in training under apprenticeship standards and who have written apprentice contracts, may be employed on public Works in apprenticeable occupations.

Contractor has reviewed and agrees to comply with any applicable provisions for any public Work subject to Department of Industrial Relations (DIR) Monitoring and Enforcement of prevailing wages, including the registration requirements of Labor Code Section 1771.1(a). Owner hereby notifies Contractor that Contractor is responsible for submitting certified payroll records directly to the State Compliance Monitoring Unit (CMU). For further information concerning compliance monitoring please visit the website location at: http://www.dir.ca.gov/dlse/cmu/cmu.html.

Contractor must comply with Labor Code section 1771.1(a), which provides that Contractor may award any contracts and subcontracts for Work that qualifies as a "public Work" only to subcontractors which are at that time registered and qualified to perform public Work pursuant to Labor Code Section 1725.5. Contractor must obtain proof of such registration from all such subcontractors. Where the prime contract is less than $15,000 for maintenance Work or less than $25,000 for construction, alternation, demolition or repair Work, such registration is not required.

In addition to submitting the certified payrolls and related documentation to the City, the contractor and all subcontractors are required to submit certified payroll and related documents electronically to the California Department of Industrial Relations (DIR). Failure to submit payrolls to the DIR when mandated by the Project parameters will also result in the withholding of progress, retention and final payment. Certified payroll information for this project must be submitted electronically through LCPtracker. No hard copy payrolls will be accepted.

No contractor or subcontractor may be listed on a bid proposal for a public Works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

Non-Discrimination. Contractor, its officers, agents, employees, and subcontractors may not discriminate in the employment of persons to perform the Work in violation of any federal or state law prohibiting discrimination in employment, including based on the race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, of any person, except as provided under California Government Code section 12940.

Contractor is responsible for compliance with this section, and must include these non-discrimination provisions in all subcontracts for performance of the Work.

General Legal Compliance.

In performing the Work, Contractor must comply with all applicable federal, state, and local statutes, laws, regulations, and ordinances including, but not limited to, OSHA requirements.

Contractor must, at Contractor's sole expense, obtain all necessary permits and licenses required for the Work, and give all necessary notices and pay all fees and taxes required by law.

Contractor must maintain a valid California Contractor's License throughout the term of this Contract.

Clayton and Cartwright Act Assignments. In entering into this Contract or a contract with a subcontractor to supply goods, services, or materials pursuant to this Contract for the Project, Contractor and any subcontractor will be deemed to have offered and agreed to assign to Owner all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2, commencing with Section 16700 of Part 2 of Division 7 of the California Business and Professions Code), arising from purchases of goods, services, or materials for the Project. This assignment will be deemed made and will become effective at the time Owner tenders final payment to Contractor, without further acknowledgement by the Parties.

Independent Contractor. Contractor is and will at all times remain as to Owner a wholly independent contractor. Neither Owner nor any of its officers, employees, or agents will have control over the conduct of Contractor or any of Contractor's officers, employees, agents or subcontractors, except as expressly set forth in the Contract Documents. Contractor may not at any time or in any manner represent that it or any of its officers, employees, agents, or subcontractors are in any manner officers, employees, agents or subcontractors of Owner.

Indemnification.

Contractor agrees to the fullest extent permitted by law (including, without limitation, California Civil Code section 2782) to (1) immediately defend, (2) indemnify, and (3) hold harmless Owner and its officers, directors, employees, agents, contractors, consultants, and other parties Working on Owner's behalf (collectively, "**Owner indemnified parties**") from and against, any and all claims and liabilities, regardless of the nature or type, that directly or indirectly arise out of, pertain to, or relate to performance of the Work under this Contract by Contractor, or its officers, employees, agents, or subcontractors committed in performing any Work under this Contract or the failure to comply with any of the obligations of this Contract, resulting from any cause whatsoever except for the sole negligence, active negligence, of willful misconduct of Owner (collectively, "**Claims**"). The Claims subject to Contractor's duties to defend and indemnify include, without limitation, all claims, actions, causes of action, proceedings, suits, losses, damages, penalties, fines, judgments, liens, levies, and associated investigation and administrative expenses. Such

Claims also include defense costs, including reasonable attorneys' fees and disbursements, expert fees, court costs, and costs of alternative dispute resolution.

Contractor's duty to defend is a separate and distinct obligation from Contractor's duty to indemnify. Contractor is obligated to defend Owner in all legal, equitable, administrative, or special proceedings, with counsel approved by Owner, immediately upon tender to Contractor of the Claim in any form or at any stage of an action or proceeding, whether or not liability is established. An allegation or determination that persons other than Contractor are responsible for the Claim does not relieve Contractor from its separate and distinct obligation to defend under this section. The obligation to defend extends through final judgment, including exhaustion of any appeals. The defense obligation includes an obligation to provide independent defense counsel if Contractor asserts that liability is caused in whole or in part by the negligence or willful misconduct of any Owner indemnified party. If it is finally adjudicated that liability was caused by the sole negligence, active negligence, or willful misconduct of any Owner indemnified party, then Contractor may submit a claim to Owner for reimbursement of reasonable attorneys' fees and defense costs in proportion to the established comparative liability of the Owner indemnified party.

Contractor agrees that its defense and indemnification obligation under this section, includes the reasonable costs of attorneys' fees incurred by the Owner's legal counsel to monitor and consult with Contractor regarding the defense of any Claims, including providing direction with regard to strategy, preparation of pleadings, settlement discussions, and attendance at court hearings, mediations, or other litigation related appearances. Owner will use its best efforts to avoid duplicative attorney Work or appearances in order to keep defense costs to a reasonable minimum.

Contractor agrees that settlement of any Claim will require the consent of Owner. Owner agrees that its consent will not be unreasonably withheld provided that Contractor is financially able (based on demonstrated assets) to fulfill its obligation to indemnify Owner for the costs of any such settlement as required under this Contract.

Contractor's obligation to indemnify Owner applies unless it is finally adjudicated that the liability was caused by the sole, negligence, active negligence, or willful misconduct of a Owner indemnified party. If a Claim is finally adjudicated and a determination made that liability was caused by the sole negligence, active negligence, or willful misconduct of an Owner indemnified party, then Contractor's indemnification obligation will be reduced in proportion to the established comparative liability.

For the purposes of this section, "Owner" includes the City of Wildomar's officers, officials, board members, employees and agents.

The provisions of this section will survive the expiration or earlier termination of this Contract.

Insurance. Contractor agrees to have and maintain in full force and effect during the term of this Contract the insurance coverages listed in Exhibit B ("**Insurance**"), which is made a part of this Contract.

Notice.

All written notices required or permitted to be given under this Contract will be deemed made when received by the other Party at its respective address as follows:

To Owner: City of Wildomar
23873 Clinton Keith Road, Suite 110
Wildomar, CA 92595
Attention: Jason Farag, Public Works Director
Phone: (951) 677-7751 ext.219
Fax: (951) 698-1463
Email: jfarag@cityofwildomar.org

To Contractor: Van Engineering, Inc.
24046 Clinton Keith Rd., Ste 101-179
Attention Vincenzo Nanci
Phone: (951) 760-8825
Email: accounting@van-inc.com

Notice will be deemed effective on the date personally delivered or transmitted by facsimile, or such other electronic means as may be agreed to by the parties. If the notice is mailed, notice will be deemed given three days after deposit of the same in the custody of the United States Postal Service, postage prepaid, for first class delivery, or upon delivery if using a major courier service with tracking capabilities.

Any Party may change its notice information by giving notice to the other Party in compliance with this section, before the change in notice information becomes effective.

Owner Rights of Termination and to Complete the Work.

Termination for Cause (Default). The occurrence of any of the following is a default by Contractor under this Contract:

The contractor refuses or fails to prosecute the Work or any part thereof with such diligence as will ensure its completion within the time specified or any permitted extension.

Contractor fails to complete the Work on time.

Contractor is adjudged bankrupt, or makes a general assignment for the benefit of creditors, or a receiver is appointed on account of Contractor's insolvency.

Contractor fails to supply enough properly skilled Workers or proper materials to complete the Work in the time specified.

Contractor fails to make prompt payment to any subcontractor or for material or labor.

Contractor fails to abide by any applicable laws, ordinances or instructions of Owner in performing the Work.

Contractor breaches or fails to perform any obligation or duty under the Contract and such breach or failure remains uncorrected following Owner's notice to Contractor of the breach.

Upon the occurrence of a default by Contractor, Owner will serve a written notice of default on Contractor specifying the nature of the default and the steps needed to correct the default. Unless Contractor cures the default within 10 days after the service of such notice of default, or makes satisfactory arrangements acceptable to Owner for the correction or elimination of such default, as determined by Owner, Owner may thereafter terminate this Contract by serving written notice termination on Contractor. In such case, Contractor will not be entitled to receive any further payment, except for Work actually completed prior to such termination in accordance with the provisions of the Contract Documents.

In event of any such termination, Owner will also immediately serve written notice of the termination upon Contractor's surety. The surety will have the right to take over and perform pursuant to this Contract; provided, however, that if the surety does not give Owner written notice of its intention to take over and perform this Contract within five days after service of the notice of termination or does not commence performance within 10 days from the date of such notice, Owner may take over the Work and prosecute the same to completion by separate contract or by any other method Owner may deem advisable, at the sole cost and expense of Contractor. Contractor and the surety will be liable to Owner for any and all excess costs or other damages incurred by Owner in completing the Work.

If Owner takes over the Work as provided in this Section, Owner may, without liability for so doing, take possession of, and utilize in completing the Work, such materials, appliances, plant, and other property belonging to Contractor as may be on the site of the Work and necessary for the completion of the Work.

If Owner takes over the Work, Owner may also take possession of outstanding materials on order for the completion of the project, upon payment to the vendor. All excess costs incurred by Owner in obtaining such materials, will be the responsibility of the Contractor.

Termination for Convenience. Owner may terminate performance of the Work under the Contract in accordance with this clause in whole, or from time to time in part, if Owner determines that termination is in Owner's best interest. Termination will be effected by Owner delivering to Contractor notice of termination specifying the extent to which performance of the Work under the Contract is terminated, and the effective date of the termination.

Contractor must comply with Owner's direction regarding the effective date of the termination, the extent of the termination, and must stop Work on the date and to the extent specified.

Contractor will be entitled to a total payment on account of the Contract Work so terminated, measured by (i.) the actual cost to Contractor for Work actually performed, up to the date of the termination, with profit and overhead limited to twelve percent (12%) of actual cost of Work performed, and (ii.) offset by payments made and other Contract credits. In connection with any such calculation; provided, however, Owner retains all

rights and remedies under the Contract including, without limitation, claims, indemnities, setoffs/offsets, or back charges.

Under no circumstances may Contractor recover legal costs of any nature, nor may Contractor recover costs incurred after the date of the termination.

Project Documents. All product/material data sheets, shop drawings, submittals, submittal logs, samples, invoices, purchase orders, operation and maintenance manuals and instructions, RFIs, RFI logs, maps, models, notes, photographs, reports, studies and other documents (collectively, "**Project Documents**") prepared, developed or discovered by Contractor in the course of performing any of the Work under this Contract will become the sole property of Owner. Upon the expiration or termination of this Contract, Contractor must turn over all original Project Documents to Owner in its possession, but may retain copies of any of the Project Documents it may desire.

Change Orders and Claims

The Public Contract Code including, without limitation, Section 7105(d)(2), and Government Code section 930.2 and following, apply to all procedures for changes, time extensions, change orders (time or compensation) and claims.

Any change, waiver, or omission to implement the contract change order and claim procedures will have no legal effect unless expressly permitted in a fully executed change order approved by Contractor and Owner.

Resolution of Construction Claims (PCC § 20104 and following)

Public Contract Code section 20104 and following, specifies required provisions on resolving contract claims less than $375,000, which are set forth below, and constitute a part of this Contract.

For the purposes of this section, "claim" means a separate demand by Contractor of $375,000 or less for (1) a time extension, (2) payment or money or damages arising from Work done by or on behalf of Contractor arising under the Contract Documents and payment of which is not otherwise expressly provided for or the Contractor is not otherwise entitled to, or (3) an amount the payment of which is disputed by Owner. In order to qualify as a claim, the written demand must state that it is a claim submitted under Section 17 of the Contract and be submitted in compliance with all requirements of this Section. Separate Contractor claims that together total more than $375,000 do not qualify as a "separate demand of $375,000 or less," as referenced above, and are not subject to this Section.

A voucher, invoice, payment application, or other routine or authorized form of request for payment is not a claim for purposes of this section. If such request is disputed as to liability or amount, then the disputed portion of the submission may be converted to a claim under this section by submitting a separate claim in compliance with Contract Documents claim submission requirements.

This section does not apply to tort claims, and nothing in this section is intended nor may it be construed to change the time periods for filing tort claims or actions specified by Chapter 1 and Chapter 2 of Part 3 of Division 3.6 of Title 1 of the Government Code.

Claims Procedure under Public Contract Code § 20104 and following:

The claim must be in writing, submitted in compliance with all requirements of the Contract including, without limitation, the time prescribed by and including the documents necessary to substantiate the claim. Claims must be filed on or before the day of final payment. Nothing in this section is intended to extend the time limit or supersede notice requirements for the filing of claims under the Contract.

For claims of fifty thousand dollars ($50,000) or less, Owner will respond in writing within 45 days of receipt of the claim, or Owner may request in writing within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to any defenses or claims Owner may have against Contractor. If additional information is thereafter required, it must be requested and provided in accordance with this section upon mutual agreement of Owner and Contractor. Owner's written response to the claim, as further documented, must be submitted to Contractor within 15 days after receipt of further documentation or within a period of time no greater than taken by Contractor in producing the additional information, whichever is greater.

For claims over Fifty Thousand Dollars ($50,000) and less than or equal to $375,000: Owner will respond in writing within 60 days of receipt of the claim, or Owner may request in writing within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to any defenses or claims Owner may have against Contractor. If additional information is thereafter required, it must be requested and provided in accordance with this section, upon mutual agreement of Owner and Contractor; Owner's written response to the claim, as further documented, must be submitted to Contractor within 30 days after receipt of further documentation or within a period of time no greater than taken by Contractor in producing the additional information, whichever is greater.

Meet and Confer: If Contractor disputes Owner's written response, or Owner fails to respond within the time prescribed above, Contractor must notify Owner, in writing, either within 15 days of receipt of Owner's response or within 15 days of Owner's failure to timely respond, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon demand Owner will schedule a meet and confer conference within 30 days for settlement of the dispute. Following the meet and confer conference, if the claim or any portion remains in dispute, Contractor may file a claim as provided in Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For purposes of those provisions, the running of the period of time within which a claim must be filed will be tolled from the time Contractor submits its written claim as set forth in this section, until the time that claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer process.

Claims Process under Public Contract Code § 9204:

Upon receipt of a claim pursuant to this section, Owner must conduct a reasonable review of the and, within a period not to exceed 45 days, must provide the Contractor a written

statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, Owner and Contractor may, by mutual agreement, extend the time period provided in this subsection.

The Contractor must furnish reasonable documentation to support the claim.

If Owner needs approval from its governing body to provide the Contractor a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, Owner will have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the Contractor a written statement identifying the disputed portion and the undisputed portion.

Any payment due on an undisputed portion of the claim will be processed and made within 60 days after Owner issues its written statement. If Owner fails to issue a written statement, subsection 17.6.3 above will apply.

If the Contractor disputes Owner's written response, or if Owner fails to respond to a claim issued pursuant to this section within the time prescribed, the Contractor may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, Owner will schedule a meet and confer conference within 30 days for settlement of the dispute.

Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, Owner must provide the Contractor a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim will be processed and made within 60 days after Owner issues its written statement. Any disputed portion of the claim, as identified by the Contractor in writing, will be submitted to nonbinding mediation, with Owner and the Contractor sharing the associated costs equally. Owner and Contractor must mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party will select a mediator and those mediators will select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party will bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute will be subject to applicable procedures outside this section.

For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized must conform to the timeframes in this section.

This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

Failure by Owner to respond to a claim from contractor within the time periods described in this section or to otherwise meet the time requirements of this section will result in the claim being deemed rejected in its entirety. A claim that is denied by reason of Owner's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, will not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the Contractor.

Amounts not paid in a timely manner as required by this section will bear interest at seven percent per annum.

If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against Owner because privity of contract does not exist, the contractor may present to Owner a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on its own behalf or on behalf of a lower tier subcontractor, that the Contractor present a claim for Work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to Owner must furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the Contractor must notify the subcontractor in writing as to whether the Contractor presented the claim to Owner and, if the Contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

General Provisions.

Authority to Execute. Each Party represents and warrants that all necessary action has been taken by such Party to authorize the undersigned to execute this Contract and to bind it to the performance of its obligations.

Assignment. Contractor may not assign this Contract without the prior written consent of Owner, which consent may be withheld in Owner's sole discretion since the experience and qualifications of Contractor were material considerations for this Contract.

Third Party Beneficiaries. Contractor's subcontractor must agree to be bound to the terms of the Contract Documents to the extent of their scope of Work, including but not limited to, terms regarding indemnity and dispute resolution, and must agree that Owner is deemed an express third party beneficiary of their subcontracts. Nothing in this Contract, however, shall operate to confer such or similar rights or benefits on persons or entities not party to this Contract.

Binding Effect. This Contract is binding upon the heirs, executors, administrators, successors and permitted assigns of the Parties.

Integrated Contract. This Contract, including the Contract Documents, is the entire, complete, final and exclusive expression of the Parties with respect to the Work to be performed under this Contract and supersedes all other agreements or understandings, whether oral or written, between Contractor and Owner prior to the execution of this Contract.

Modification of Contract. No amendment to or modification of this Contract will be valid unless made in writing and approved by Contractor and by the Board of Directors of Owner or Owner Manager, as applicable. The Parties agree that this requirement for written modifications cannot be waived and that any attempted waiver will be void.

Audit/Inspection Of Records. Contractor shall maintain all documents and records prepared by or furnished to Contractor during the course of performing the Work for at least three (3) years following completion of the Work. Such records include, but are not limited to, correspondence, internal memoranda, calculations, books and accounts, accounting records and job cost reports/data documenting all labor, materials, equipment and Work furnished under this Contract, and invoices, payrolls, records and all other data related to matters covered by this Contract. Contractor shall permit Owner to audit, examine and make copies, excerpts and transcripts from any such records, and Contractor shall in no event dispose of, destroy, alter, or mutilate said books, records, accounts, and data in any matter whatsoever for three (3) years after Owner makes the final or last payment or within three (3) years after any pending issues and disputes between Owner and Contractor regarding this Contract Agreement are resolved, whichever is later.

Counterparts, Electronic Signatures. This Contract may be executed in several counterparts, each of which will be deemed an original, and all of which, when taken together, constitute one and the same instrument. This Contract and any amendments will be considered executed when the signature of a party is delivered by electronic transmission. Such electronic signature will have the same effect as an original signature.

Waiver. Waiver by any Party of any term, condition, or covenant of this Contract will not constitute a waiver of any other term, condition, or covenant. Waiver by any Party of any breach of the provisions of this Contract will not constitute a waiver of any other provision, or a waiver of any subsequent breach or violation of any provision of this Contract. Acceptance by Owner of any Work performed by Contractor will not constitute a waiver of any of the provisions of this Contract.

Interpretation. This Contract will be interpreted, construed and governed according to the laws of the State of California. Each party has had the opportunity to review this Contract with legal counsel. The Contract will be construed simply, as a whole, and in accordance with its fair meaning. It will not be interpreted strictly for or against either party.

Severability. If any term, condition or covenant of this Contract is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Contract will not be affected and the Contract will be read and construed without the invalid, void or unenforceable provision.

Governing Law and Venue. This Contract shall be deemed to have been executed in the City where the Project is located. Enforcement of this Agreement shall be governed by the laws of the State where the Project is located, excluding its conflict of laws rules. In the event of litigation between the parties, venue in state trial courts will be in the County of Riverside.

The Parties have caused this Contract to be executed by their undersigned authorized agents as follows:

OWNER: CITY OF WILDOMAR

_____

Daniel A. York, City Manager

ATTEST:

_____

Janet Morales, City Clerk

APPROVED AS TO FORM

_____

Thomas D. Jex, City Attorney

CONTRACTOR: VAN ENGINEERING, INC.
(If not an individual, two signatures are required)

_____

Name and Title

_____

Name and Title

EXHIBIT A

COMPENSATION

The total compensation under this Contract may not exceed:

The sum of Seven Million Six Hundred Ninety-Five Thousand Six Hundred Ninety-Three Dollars and Zero Cents ($7,695,693.00).

EXHIBIT B

INSURANCE

B. **General Requirements**. Contractor must procure and maintain in full force and effect during the term of this Contract the following types of insurance with coverage limits complying, at a minimum, with the limits set forth below:

Type of Insurance	Limits (combined single)
Commercial General Liability	$4,000,000
Business Automobile Liability	$1,000,000
Workers' Compensation	Statutory Requirements
Pollution Liability Insurance	As stated below

2**.** **Commercial General Liability Insurance.** This policy must meet or exceed the requirements of Insurance Services Office (ISO) CGL Form No. CG 00 01. The amount of insurance set forth above will be a combined single limit per occurrence for bodily injury, personal injury, and property damage for the policy coverage**.** The insurance must be on an "occurrence" not a "claims-made" basis. Defense costs must be paid in addition to limits. There must be no cross-liability exclusion for claims or suits by one insured against another. Limits may be no less than $2,000,000 per occurrence for all covered losses, and no less than $4,000,000 general aggregate.

Liability policies must be endorsed to name **Owner, its officials, employees and agents** as "**additional insureds**" under the insurance coverage.

Additional Insured

The Entity, its officers, officials, employees, and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations and automobiles owned, leased, hired, or borrowed by or on behalf of the Contractor. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance (at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10, CG 20 26, CG 20 33, or CG 20 38; and CG 20 37 forms if later revisions used).

Primary Insurance

For any claims related to this project, the Contractor's insurance coverage shall be primary insurance coverage at least as broad as ISO CG 20 01 04 13 as respects the Entity, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the Entity, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.

Coverage must be applicable to Owner for injury to employees of Contractor, subcontractors, agents or others performing any part of the Work required under this Contract. Each policy must be endorsed to provide a separate limit applicable to this Project.

The Commercial General Liability policy must not contain any endorsements limiting coverage beyond the basic policy coverage for any of the following:

1. Explosion, collapse or underground hazard (XCU);

2. Products and completed operation;

3. Public liability;

3. Pollution liability; or

4. Contractual liability.

3. **Business Auto Coverage.** This policy must be on ISO Business Auto Coverage Form CA 00 01 including symbol 1 (Any Auto) and Endorsement CA 0025, or equivalent forms approved in writing by Owner. Limits must not be less than $1,000,000 per accident, combined single limit, or if Contractor neither leases nor owns vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Contractor or Contractor's employees will use personal autos in any way on this Project, Contractor must provide evidence of personal auto liability coverage for each such person.

4. **Workers Compensation.** Contractor must have a State of California approved policy form providing the statutory benefits required by law with employer's liability limits of no less than $1,000,000 per accident for all covered losses, or Contractor must provide evidence of an approved self-insurance program.

5. **Pollution Liability Insurance**. Pollution/Environmental Impairment Liability Insurance must be written on a Contractor's Pollution Liability form or other form acceptable to Agency providing coverage for liability arising out of sudden, accidental and gradual pollution and remediation. The policy limit must be no less than $5,000,000 per claim and in the aggregate. All activities contemplated in this Contract must be specifically scheduled on the policy as "covered operations." The policy must provide coverage for the hauling of waste from the project site to the final disposal location, including non-owned disposal sites.

6. **Other Insurance; Revisions to Insurance.** Contractor may be required to obtain such other insurance coverage as may be required by applicable law or by Owner. Owner reserves the right at any time during the term of the Contract to change the amounts and types of insurance required by giving Contractor 60 days advance written notice of such change. If such change results in substantial additional cost to Contractor, Owner and Contractor may renegotiate Contractor's compensation.

7. **Acceptable Insurers.** All required insurance policies must be issued by an insurance company currently authorized by the California Insurance Commissioner to transact the business of insurance in the State of California, with an assigned policyholders' Rating of A- (or

higher) and Financial Size Category Class VII (or larger) in accordance with the latest edition of Best's Key Rating Guide, unless otherwise approved by the Owner's Risk Manager or General Counsel.

8. **Excess or Umbrella Liability Insurance (Over Primary).** If an excess or umbrella liability policy is used to meet limit requirements, the insurance must provide coverage at least as broad as specified for the underlying coverages. Any such coverage provided under an excess or umbrella liability policy must include a "drop-down provision" providing primary coverage above a maximum $25,000 self-insured retention for liability not covered by primary but covered by the umbrella. Coverage must be provided on a "pay-on-behalf" basis, with defense costs payable in addition to policy limits. There may be no cross-liability exclusion precluding coverage for claims or suits by one insured against another. Coverage must be applicable to Owner for injury to employees of Contractor, its subcontractors or others performing Work to satisfy Contractor's obligations under this Contract. The scope of coverage provided is subject to approval of Owner following receipt of proof of insurance as required herein. Limits are subject to review, but in no event may be less than $4,000,000 per occurrence and aggregate.

9. **Certificates of Insurance and Endorsements**. Prior to commencing any Work under this Contract, Contractor must file with the Owner Certificates of Insurance and Endorsements evidencing the existence of all insurance required by this Contract, along with such other evidence of insurance or copies of policies as may reasonably be required by Owner. Such Certificates of Insurance and Endorsements must be in a form approved by Owner's legal counsel. Contractor must maintain current certificates and endorsements on file with Owner during the term of this Contract reflecting the existence of all required insurance. Each of the certificates must expressly provide that no material change in the policy, or termination thereof, will be effective except upon 30 days' prior written notice to Owner.

10. **Failure to Maintain Required Insurance**. If Contractor, for any reason, fails to have in place at all times during the term of this Contract all of the required insurance coverage, Owner may obtain such coverage at Contractor's expense and deduct the cost from the sums due Contractor.

11. **Effect of Coverage**. The existence of the required insurance coverage under this Contract will not be deemed to satisfy or limit Contractor's indemnity obligations under this Contract.

12. **Higher Limits of Insurance**. If the contractor maintains broader coverage and/or higher limits than the minimums shown above for all policies, the Entity requires and shall be entitled to the broader coverage and/or higher limits maintained by the contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the Entity.

13. **Waiver of Subrogation.** Contractor hereby agrees to waive rights of subrogation which any insurer of Contractor may acquire from Contractor by virtue of the payment of any loss. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the Entity has received a waiver of subrogation endorsement from the insurer. However, the Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the Entity for all work performed by the Contractor, its employees, agents and subcontractors.

VERIFICATION OF CALIFORNIA CONTRACTOR'S LICENSE

I certify, under penalty of perjury, that I have a valid California Contractor's license issued pursuant to Business and Professions Code section 7000 and following, and was so licensed at the time that the bid was awarded:

California Contractor's License:

_____

License Number Class Expiration Date

CONTRACTOR (PRINT OR TYPE) _____

_____ _____

Date Signature

(Public Contract Code § 6100)

CERTIFICATE REGARDING WORKERS' COMPENSATION

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this contract.

_____
Name (print or type)

_____ _____
Date Signature

PERFORMANCE BOND

On _____, the City of Wildomar, a California municipal corporation ("**OWNER**"), awarded a contract ("**Contract**") to _____ ("**CONTRACTOR**" or "**PRINCIPAL**"), for the Work ("**Work**") identified as

_____

The Contract and related documents ("**Contract Documents**") are incorporated and made a part of this performance bond.

Under the Contract, CONTRACTOR is required to furnish this bond providing for the faithful performance of the Work

NOW, THEREFORE, we, CONTRACTOR, as PRINCIPAL, and ,_____ a corporation organized and existing under the laws of the State of _____ and duly authorized to transact business under the laws of the State of California, as SURETY, are held and firmly bound unto OWNER, in the sum of _____dollars ($_____), lawful money of the United States of America, this sum being not less than one hundred percent (100%) of the estimated amount payable by OWNER under the terms of the Contract , PRINCIPAL and SURETY, bind ourselves and our heirs, executors, administrators, successors and assigns, jointly and severally, by this instrument.

BOND CONDITIONS

1. PRINCIPAL will perform the Work the identified in the Contract. OWNER has estimated the required amount of the bond as shown above.

2. PRINCIPAL's performance of the Work will be done in accordance with the Contract Documents. Should PRINCIPAL fail to satisfactorily complete all required Work within the time allowed, OWNER may, at its sole discretion, either (1) cause all required Work to be done and the parties executing this bond will be firmly bound for the payment of all necessary costs for the performance of this Work or (2) make demand upon the SURETY to complete the required Work in which event the SURETY will commence completion of the Work within 30 days of the OWNER'S demand unless otherwise agreed in a writing signed by the parties.

3. PRINCIPAL will guarantee the Work against any defective Work, labor or materials for a period of one year following the completion and acceptance of the Work by OWNER.

4. This bond is conditioned upon and guarantees due compliance with all applicable law.

5. SURETY agrees that no changes, extensions of time, alteration or modification of the Contract or of the obligations to be performed thereunder will in any way affect its obligation on this bond, and waives notice of any such change, extension of time, alteration or modification of the Contract or of the obligations to be performed. Furthermore, SURETY expressly waives the provisions of California Civil Code sections 2845 and 2849.

6. This bond consists of this instrument, the Contract and Contract Documents referenced above, and the following two attached exhibits, all of which are incorporated herein by reference:

   A. A certified copy of the appointment, power of attorney, bylaws or other instrument entitling or authorizing the persons executing this bond to do so; and

   B. A certificate issued by the county clerk for the county in which SURETY's representative is located conforming with California Code of Civil Procedure § 995.640 and stating that SURETY's certificate of authority has not been surrendered, revoked, cancelled, annulled, or suspended, or in the event that it has, that renewed authority has been granted.

7. In case suit is brought upon this bond, the court will award and SURETY must pay, in addition to the face amount of this bond, all costs and reasonable attorney's fees incurred by OWNER in successfully enforcing any obligation under this bond.

IN WITNESS THEREOF, we have hereunto set our hands and seals this _____ day of _____, 20____.

PRINCIPAL

By _____

Title _____

Address _____

_____

_____
Telephone Number

_____
Signature

SURETY

By _____

Title _____

Address _____

_____

_____
Telephone Number

_____
Signature

*** ALL SIGNATURES ON THIS PERFORMANCE BOND MUST BE NOTARIZED USING APPROPRIATE 8½" x 11" NOTARY ACKNOWLEDGEMENT FORM.**

**** Appropriate modifications will be made to this form if the bond is being furnished for the performance of an act not provided for by agreement.**

***** Corporations must affix corporate seal.**

PAYMENT BOND

On _____, the City of Wildomar, a California municipal corporation ("**OWNER**"), awarded a contract ("**Contract**") to _____ ("**CONTRACTOR**" or "**PRINCIPAL**"), for the Work ("**Work**") identified as

_____

PRINCIPAL is required to furnish a bond under the Contract to secure the payment of claims of laborers, mechanics, material persons, and other persons as provided by law.

PRINCIPAL and _____ _____, a corporation incorporated under the laws of the State of _____ and licensed by the State of California to execute bonds and undertakings as sole surety ("**SURETY**"), are held and firmly bound unto OWNER in the sum of _____ _____ dollars ($_____), lawful money of the United States, which may be increased or decreased by a rider hereto executed in the same manner as this bond, for the payment of which sum PRINCIPAL and SURETY bind themselves, their successors, and assigns, jointly and severally, by this instrument.

BOND CONDITIONS

1. PRINCIPAL will construct the Work identified in the Contract. Such performance will be in accordance with the Contract Documents identified in the Contract, which are hereby incorporated and made a part of this bond. OWNER has estimated the required amount of the bond as shown above.

2. If PRINCIPAL, its heirs, executors, administrators, successors, assigns or subcontractors fail to pay any of the persons named in California Civil Code section 3181, or any amounts due under the California Unemployment Insurance Code with respect to Work or labor performed under the Contract, or any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Contractor and its subcontractors under Unemployment Insurance Code section 13020, with respect to Work or labor performed under the Contract, SURETY will pay for the same in an amount not exceeding the penal sum specified in this bond.

3. This bond inures to the benefit of any of the persons named in Civil Code section 3181 so as to give a right of action to such persons or their assigns in any suit brought upon this bond. In case suit is successfully brought upon this bond, SURETY further agrees to pay all reasonable attorneys' fees and costs in an amount fixed by the court.

4. This bond is conditioned upon and guarantees due compliance with all applicable law.

5. SURETY agrees that no changes, extensions of time, alteration or modification of the Contract or of the obligations to be performed thereunder will in any way affect its obligation on this bond, and waives notice of any such change, extension of time, alteration or modification of

the Contract or of the obligations to be performed. Furthermore, SURETY expressly waives the provisions of California Civil Code sections 2845 and 2849.

6. This bond consists of this instrument, the Contract and Contract Documents referenced above, and the following two attached exhibits, all of which are incorporated herein by reference:

   A. A certified copy of the appointment, power of attorney, bylaws or other instrument entitling or authorizing the persons executing this bond to do so; and

   B. A certificate issued by the county clerk for the county in which SURETY's representative is located conforming with California Code of Civil Procedure § 995.640 and stating that SURETY's certificate of authority has not been surrendered, revoked, cancelled, annulled, or suspended, or in the event that it has, that renewed authority has been granted.

IN WITNESS THEREOF, we have hereunto set our hands and seals this _____ day of _____, 20____.

PRINCIPAL

By _____

Title _____

Address _____

_____

_____
Telephone Number

_____
Signature

SURETY

By _____

Title _____

Address _____

_____

_____
Telephone Number

_____
Signature

*** ALL SIGNATURES ON THIS PAYMENT BOND MUST BE NOTARIZED USING APPROPRIATE 8½" x 11" NOTARY ACKNOWLEDGEMENT FORM.**

**** Appropriate modifications will be made to this form if the bond is being furnished for the performance of an act not provided for by agreement.**

***** Corporations must affix corporate seal.**

TASK AGREEMENT #CIP 028-2, 067-1
Geocon West, Inc.

TO PROFESSIONAL ON-CALL
GEOTECHNICAL AND MATERIAL TESTING SERVICES
Palomar St. Widening Project, Phase 2, and Cemetery Improvements, Phase 1
CIP 028-2 and CIP 067-1

This TASK AGREEMENT is made this 11th day of September, 2024, by and between the City of Wildomar, a municipal corporation, hereinafter called "CITY" and Geocon West, Inc., hereinafter called "CONSULTANT".

1. This TASK AGREEMENT includes all of the terms and conditions contained in that certain Agreement for Services (ON-CALL AGREEMENT), executed by the parties and approved by the Wildomar City Council on July 13, 2022.

2. **SCOPE OF SERVICES.** CONSULTANT shall provide Quality Assurance Testing and professional engineering services for the CITY as required for CIP 028-2 and CIP 067-1 (Palomar St. Widening Project, Phase 2, and Cemetery Improvements, Phase 1). These services shall include, but may not be limited to, the scope of work outlined in the CONTRACTOR's proposal shown in Exhibit "A", attached hereto.

3. **PRICE.** The services shall be provided on a time and materials basis, based on Exhibit "B", Compensation, of the ON-CALL AGREEMENT.

4. **SCHEDULE.** The services shall be provided on a schedule as requested by the CITY and agreed to by CONSULTANT.

IN WITNESS WHEREOF, the parties have executed this Agreement on the dates indicated below.

Dated: _____, 2024	Dated:_____, 2024
CITY OF WILDOMAR, a municipal corporation	CONSULTANT
By_____ Signature	By_____ Signature
_____ Name and Title	_____ Name and Title

Exhibit “A”

Proposal No. MU-24-1244-P-GS
REVISED September 3, 2024

Mr. Jason Farag
City of Wildomar
23873 Clinton Keith Road, Suite 201
Wildomar, California 92595

Subject: PROPOSAL FOR GEOTECHNICAL OBSERVATION, CONCRETE SAMPLING AND MATERIALS TESTING SERVICES DURING ROADWAY CEMETERY IMPROVEMENTS & PALOMAR STREET WIDENING
CIP 67-1 & 28-2
WILDOMAR, CALIFORNIA

Mr. Farag:

Geocon West, Inc. (Geocon) is pleased to present this proposal to provide geotechnical observation, masonry inspection, concrete sampling and materials testing services for improvement construction within Wildomar Cemetery, along Palomar Road from northwest of Ione Lane to southeast of Wildomar Trail, Gruwell Street and Wildomar Trail near Palomar Drive, and at Wildomar Channel at Wildomar Trail, in Wildomar California. This proposal was prepared based on information provided in the project Bid Documents and plans, and Geocon's experience with similar projects.

An overall construction duration of 240 days is provided in the Specifications. We understand that the construction work will be performed within 200 of those days. A construction schedule was not available at the time of this proposal. Geocon should be provided with the opportunity to revise this estimate once the schedule becomes available.

This proposal is based on the separate construction items, concurrent construction is expected to reduce the cost of Geocon's services because multiple items can be inspected/tested in a single visit. We endeavored to include the services expected for the project. Please inform Geocon if any of the line items will not be required. The total time estimate provides Geocon services for approximately 31 percent of the time during construction. Our services will be provided on a time and materials basis.in accordance with the Agreement for Professional Services signed by Geocon on June 28, 2022, between the City of Wildomar and Geocon.

SCOPE OF SERVICES

Geotechnical Observation & Testing

- Provide an Engineering Field Technician/Inspector on an on-call, as-needed basis during the project duration as directed by the City of Wildomar to provide inspection and sampling during cemetery improvements (masonry inspection and miscellaneous geotechnical observation & testing) Palomar Road widening (grading, flatwork subgrade, aggregate base, asphalt paving, slurry seal, PCC sampling and testing, and laboratory testing), and culvert replacement at

Wildomar Channel and Wildomar Trail. The Technician will be equipped with a vehicle and sufficient field-testing equipment to provide test results and collect samples for laboratory testing.

- Provide an ACI Field Technician on an on-call, as-needed basis during the project duration as directed by the City of Wildomar to provide sampling of PCC concrete. We have assumed that multiple concrete items will be placed in each placement. We have estimated 5 placements will require inspection & sampling.

- Perform inspection of cracks seal and slurry seal operations. Geocon routinely provides this service for RCTD and has included a budget to provide slurry seal inspection for this project.

- Perform laboratory testing related to the project in accordance with the requirements of the city of Wildomar, Green Book, and the project's Special Provisions. An estimate for these services is provided in Table I, below. The actual cost for laboratory tests would be invoiced in accordance with the attached 2022 *Schedule of Fees with 3%/yr escalation*.

- Provide as-needed professional consultation, project management, and construction support services during construction. This includes mix design reviews, attending project meetings, corresponding with the project design and construction management team, scheduling and coordination, etc.

- Prepare a final report of geotechnical inspection and testing services. The report will include a summary of field and laboratory test results and any deviations from project requirements.

ESTIMATED FEES

We will furnish the personnel, transportation, materials, supplies and equipment necessary to perform these services in accordance with the current *2022 Schedule of Fees*. A detailed estimate for this project is provided in Table 1 below. Please note that this is a time and materials estimate based on our experience with similar projects. Geocon will only bill for the time and services spent on the project in accordance with the *Schedule of Fees*.

Table 1 – Fee Estimate

Activity Description	Personnel	Rate	Qty	Estimate
Geotechnical Observation and Materials Testing Services				
PreConstruction Activities				
Attendance at a Pre-Construction Meeting	Field Supervisor	$120.00	1	$120.00
Mix Design Review	Project Engineer	$143.22	4	$572.88
			subtotal:	**$692.88**
Construction Activities				
Observation and Testing during Construction				
Miscellaneous Utility adjustments & Relocation	Engineering Technician	$115.00	16	$1,840.00
Grading for Roadway Widening - 8 days estimated	Engineering Technician	$115.00	64	$7,360.00
Murrieta Creek Culvert Replacement - Est 5 days	Engineering Technician	$115.00	40	$4,600.00
Subgrade for C&G, Xgutter, SW, Driveways - Est 36 PT Visits (every 500 ft or DW)	Engineering Technician	$115.00	144	$16,560.00
Aggregate Base - 4 hrs/500 lf of Roadway	Engineering Technician	$115.00	73	$8,395.00
AC Sidewalk -Est 4 hrs per 250 lf	Engineering Technician	$115.00	44	$5,060.00
AC Paving - Est 4 Days	Engineering Technician	$115.00	32	$3,680.00
DG Trail - 4 hrs per 250 lf	Engineering Technician	$115.00	16	$1,840.00
Slurry Seal	Engineering Technician	$115.00	8	$920.00
	Vehicle & Equipment	$20.00	437	$8,740.00
PCC Concrete Sampling and Testing - Est 5 placements	ACI Concrete Technician	$125.00	40	$5,000.00
Masonry Inspection - Part and Full Time - Est 4 weeks	ICC Masonry Inspector	$125.00	24	$3,000.00
	Vehicle & Equipment	$15.00	64	$960.00
			subtotal:	**$67,955.00**
Laboratory Testing				
Maximum Density/Optimum Moisture - 4" (D1557 Soils)	Laboratory	$220.00	3	$660.00
Maximum Density/Optimum Moisture - 6" (D1557 Aggregate Base)	Laboratory	$230.00	3	$690.00
Seive Analyses	Laboratory	$150.00	3	$450.00
Hveem D2726	Laboratory	$100.00	4	$400.00
Stabilometer Value D1560	Laboratory	$145.00	4	$580.00
Theoretical Max Specific Gravity D2041	Laboratory	$145.00	4	$580.00
Sieve Analysis of Extracted Asphalt D5444	Laboratory	$150.00	4	$600.00
Extraction D6307	Laboratory	$150.00	4	$600.00
Slurry Seal Testing	Laboratory	$750.00	1	$750.00
PCC Compression Testing	Laboratory	$30.00	25	$750.00
Miscellaneous Laboratory Testing & Reporting	Laboratory	$1,500.00	1	$1,500.00
Technician Sample Pickup & Delivery	Engineering Technician	$125.00	9	$1,125.00
			subtotal:	**$8,685.00**
Project Management and Final Report				
RFI's, Meetings, QA/QC, Project Management 1.5 hours per week	Staff Engineer	$120.00	51	$6,120.00
Site Coordination and Scheduling 1 hour per week	Dispatch	$83.00	34	$2,822.00
Final Letter Report	Project Engineer/GE/Word Proc	$1,500.00	1	$1,500.00
			subtotal:	**$10,442.00**
			TIME AND MATERIALS ESTIMATE:	**$87,774.88**

We used our experience with similar projects to derive a fee for geotechnical testing and observation during proposed improvements. The actual fee for services is directly affected by the construction schedule, weather, and efficiency of the contractor performing the work. Our services will be provided on a time and materials basis in accordance with the referenced *2022 Schedule of Fees*. The invoices will be itemized to reflect only the actual time and costs incurred. Table 1 provides a task item breakdown of our estimate. The fee estimate is for budgeting purposes.

This proposal assumes that the services offered herein are subject to prevailing wage laws. If Client should conclude this project is not subject to prevailing wages, please so advise Geocon in writing immediately. If failure to advise Geocon results in additional costs to Geocon, Client will reimburse Geocon for all costs and expenses.

LIMITATIONS

It is mutually agreed between client and Geocon that all services afforded and work performed by Geocon are provided pursuant to Civil Code Section 2782, *et seq.*, and such agreement is expressly integrated into and made a part of any and all contracts or agreements entered into between the parties.

Please carefully review the contents of this proposal. If they meet with your approval, send us a purchase order in accordance with our on-call agreement with the City of Wildomar. Services provided by Geocon will be pursuant to the on-call agreement.

Should you have any questions regarding this proposal, or if we may be of further service, please contact the undersigned at your convenience.

Very truly yours,

GEOCON WEST, INC.

Lisa Battiato
Senior Geologist/Regional Manager

LAB:HHR:hd

Attachments: 2022 SOF
Distribution: Addressee (email)

2022 Schedule of Fees – RV22

PROFESSIONAL SERVICES

Word Processor/Non-Technical Assistant/Draftsman	$83/hr.
Engineering Assistant/Lab Technician.	$93/hr.
Engineering Field Technician	*75/hr.
Senior Field Technician	*75/hr.
Special Inspector (Concrete, Rebar, Masonry, Welding, etc.)	*85/hr.
Field Technician Supervisor	*120/hr.
Staff Engineer/Geologist	*120/hr.
Sr. Staff Engineer/Geologist	*125/hr.
Project Engineer/Geologist	*135/hr.
Senior Project Engineer/Geologist	*145/hr.
Senior Engineer/Geologist	*155/hr.
Associate Engineer/Geologist	*165hr.
Principal Engineer/Geologist/Litigation Support	250/hr.
Attorney Fees (General)	*350/hr.
Deposition or Court Appearance	$400/hr.
Overtime/Saturday Rate/Night Rate (10pm – 6am w/ 8 Hr minimum per call out)	1.5 X Regular Hourly Rate
Sunday and Holiday Rate	2 X Regular Hourly Rate
Minimum Field Services Fee (per day or per call-out)	4 Hours
Short-Notice Cancellation (after 4 pm of the day prior to the scheduled inspection time)	4 Hours
Short-Notice Cancellation (upon or after arrival at jobsite)	4 Hours

*Prevailing Wage (PW) California Labor Code §1720, et. Seq. add $40/hr.

TRAVEL

Personnel	Regular Hourly Rate
Subsistence (Per Diem)	Quote
Vehicle Mileage	0.75/mile

EQUIPMENT & MATERIALS

*Nuclear Density Gauge/Sand Cone Testing Equipment	$10/hr.
*Vehicle	$10/hr.
*Special Inspection Equipment	$5/hr.
Coring Machine (concrete, asphalt, masonry)	$285/day
Generator	$105/day
Double Ring Infiltrometer	$135/day
GPS Unit	$175/day
Pick-up Truck	$150/day
Mobile Laboratory with Lab Technician	$1,650/day
Drive-Tube Sampler	$60/day
Hand-Auger	$50/day
Dynamic Cone Penetrometer	$250/day
Double Ring Infiltrometer	$200/day
Manometer	$100/day
Schmidt Hammer	$100/day
Water Buffalo	$75/ea.
Battery-Powered Pump	$100/day
Water Level Indicator	$50/day
Perforated 3" PVC Pipe	$25/10ft.
Gravel	$30/bag
Sand	$30/bag
AC Cold Patch	$30/bag
Quick Set PCC Patch	$30/bag
Temp Marking Paint	$15/can
Lath	$10/ea.
Air Compressor	$150/day
Soil Sample Tube	$15/ea.
Percussion Hammer Drill	$125/day

LABORATORY TESTS

COMPACTION CURVES

(D698/D1557/T99/T108) 4-inch mold $220
(D698/D1557/T99/T108) 6-inch mold $230
(CT 216) California Impact $230
Check Point $100
(D1632/CT312) Soil Cement Cyl. Fabrication (Set of 3) $150
(D1632/CT312) Soil Cement Cyl. Fabrication (Addtl. Spec.) $50
(D1633/CT312) Soil Cement Comp. Strength (Set of 3) $300
(D1633/CT312) Soil Cement Comp. Strength (Addtl. Spec.) $100

SOIL AND AGGREGATE STABILITY

(D2844/CT301) Resistance Value $290
(D2844/CT301) Resistance Value, Treated $295
(D1883) California Bearing Ratio $530
(C977) Stabilization Ability of Lime $185
(D1883) Calif. Bearing Ratio (Army Corp of Engineers) $105

CHEMICAL ANALYSIS

(G187/CT643/T288) pH and Resistivity $135
(D4972/T289) pH Only $30
(CT417) Sulfate Content $100
(CT422) Chloride Content $55
(D2974) Organic Content $50

PERMEABILITY, CONSOLIDATION AND EXPANSION

(D5084) Permeability, Flexible Wall $270
(D5856) Permeability, Rigid Wall $260
(D2434) Permeability, Constant Head $280
(D2434) Permeability, FHA Slab-on-Grade $110
(D2434) Permeability, Hourly $55
(D2435/T216) Consolidation (6 pts. w/ Unload) $350
(D2435/T216) Consolidation Additional Point w/ Unload $65
(D4546) Swell/Compression Testing & Density $120
(D4546) Swell/Settlement Testing & Density (ea. addtl. pt.) $85
(D4546) Swell/Settlement Testing & Density (County) $100
(D4546) Swell/Settlement Testing & Density (FHA) $90
(D4829) Expansion Index of Soils $160

STEEL TESTING

Reinforcing Steel Tests:

(A370) Tensile Strength & Elongation

- #11 Bar & Smaller $100
- #14 Bar $125
- #18 Bar (Proof Test) $125

SOIL AND AGGREGATE PROPERTIES

(D422/T88) Particle Size, Hydrometer w/out Sieve $165
(C136/D6913/T27) Sieve, Coarse to Fine w/ #200 Wash $150
(C136/D6913/T27) Sieve, Coarse or Fine w/ #200 Wash $115
(C136/D6913/T27) Sieve, Coarse or Fine No #200 Wash $100
(C117/D1140/T11) Materials Finer than #200 ..... $90
(D2216/T265/CT226) Moisture Content $30
(D2487/D2488) Visual Soil Classification $30
(D2937) Density of In-Place Soil, Drive-Cyl. Method $45
(D4943) Shrinkage Factors of Soils, Wax Method $55
(C131/C535/CT211) L.A. Abrasion Resistance $200
(C142/T112) Clay Lumps and Friable Particles $170
(C123/T113) Light Weight Particles $245
(D3744/CT229/T210) Durability Index Fine $190
(D3744/CT229/T210) Durability Index Coarse $225
(CT227) Cleanness Value $170
(D4791) Flat & Elongated Particles $165
(D693/CT205) Percent Crushed Particles $145
(D5821) Percent. of Fractured Particles, Coarse Aggregate $140
(C40/CT213/T21) Organic Impurities $75
(C235) Soft Hardness (Scratch Hardness) $100
(C88/CT214/T104) Sulfate Soundness $410
(C1252/T304) Uncompact. Void Content, Fine Aggregate $150
(C127/CT206/T85) Coarse Specific Gravity $125
(C128/CT207/T84) Fine Specific Gravity $150
(D854/CT209/T100) Specific Gravity of Soil $150
(C29/CT212/T19) Unit Weight & Percent Voids $90
(D2419/CT217/T176) Sand Equivalent $110
(D4318/CT204/T89/T90) Plastic Index (Plastic/Liq. Limit) $165
(D4318/CT204/T89) Liquid Limit $95
(D4318/CT204/T90) Plastic Limit $95
(C330) Spec. for Lightweight Aggregates, Struc. Concrete ..... Quote

SHEAR STRENGTH

(D2166) Unconfined Compression $100
(D3080/T236) Direct Shear (3 points) $295
(D3080/T236) Remolded Direct Shear (3 points) $300
(D3080/T236) Direct Shear Addtl. Points/ea. residual pass $115
(D2850) Unconsolidated-Undrained Triaxial Shear $160
(D2580) Unconsolidated-Undrained Triaxial Staged $160
(D4767) Consolidated-Undrained Triaxial Shear $265
(D4767) Consolidated-Undrained Triaxial Staged $340
(EM1110) Consolidated-Drained Triaxial Shear $375
(EM1110) Consolidated-Drained Triaxial Staged $480

LABORATORY TESTS (CONTINUED)

(A370) Bend Test
- #11 Bar & Smaller $50
- #14 & #18 Bar $70

(A370) Tensile - Mechanically Spliced Bar
- #11 Bar & Smaller $150
- #14 Bar & Larger $190

(A370) Tensile – Electric Resist. Butt Splice w/ Control $150

(A370) Straightening of bar (if required) $25

Structural Steel Tests:
- (A370) Machining & Prep of Test Specimen ..... Cost + 20%
- (A370) Tensile Strength & Elongation
  - Up to 200,000 lbs. $100
  - 200,000 – 300,000 lbs. $125
  - 300,000 – 400,000 lbs. $150

Pre-stressing Wire & Tendon Tests:
- (A421) Tensile Strength, Single Wire $150
- (A416) Tensile Strength, 7-Wire Strand $175

High Strength Bolt, Nut, & Washer Tests:
- (A325/A490) Tensile Test on Bolts $100
- (A563) Proof Load Test on Nuts $100
- (A325/A490) Hardness Test on Bolts $50
- (A536) Hardness Test on Nuts $50
- (F436) Hardness Test on Washers $50

Weld Specimen Tests:
- (E164) Ultrasonic Examination ..... Quote
  - Machining & Prep of Test Specimen ..... Cost + 20%
- (E381) Macrotech Test (3 Faces) $355

ASPHALT TESTING

Asphalt Properties:
- (D2726/CT308/T166) Bulk Spec. Grav., Compacted HMA $100
- (D1560/CT366) Stabilometer Value (HVEEM) $145
- (D2041) Theoretical Max Specific Gravity $145
- (D5444) Sieve Analysis of Extracted Asphalt $150
- (D6307/CT382) Percent Asphalt, Ignition Method $150
- (D1188) Unit Weight of Asphalt Core $65

MISCELLANEOUS TESTING SERVICES

- Emulsion $300
- Wet Track Abrasion $175

Calibration of Hydraulic Ram:
- 100 Ton & Under $200
- 101 Tons – 200 Tons $300

Use of Universal Testing Machine:
- UTM with One Operator $320
- Additional Technician ..... Regular Tech Rate

Spray Applied Fireproofing:
- (E605/E736) Fireproofing Oven Dry Density/Thickness $90

MASONRY**

Concrete Block Test (Sets of 3 Required):
- (C140) Unit Weight Moisture Content & Absorption $195
- (C140) Moisture Content/Absorption (ea. addtl. specimen) $65
- (C140) Compression Test $195
- (C140) Compression Test (ea. addtl. specimen) $65
- (C426) Linear Drying Shrinkage $285
- (C109/UBC 21-16) Mortar Cylinder (2"x4") $30
- (C942) Grout Prism (3"x3"x6"), trimming included $35

Masonry Prism (Assemblage):
- (C1314) 8"x8"x16" – 8"x12"x16" $200
- (C1314) 8"x16"x16" – 10"x12"x16" $225
- (C1314) 12"x12"x16" – 12"x16"x16" $250
- (C1314) Larger than 12"x16"x16" ..... Quote

Brick Test (Set of 5 Specimens):
- (C67) 24-Hour Absorption, Cold Water $225
- (C67) 5-Hour Absorption, Boiling Water $225
- (C67) Compression Test or Modulus of Rupture $255
- (C67) Each Additional Specimen $45

CONCRETE**

Mix Designs:
- (ACI211/ACI214) Concrete Mix Design $350
- (ACI211/ACI214) Review of Concrete Mix Design $350
- (C192) Concrete Trial Mix (includes equipment & labor) $495

Concrete Properties:
- (C39/CT521/T22) Comp. Strength, Concrete Cyl $30
- (C42/CT521/T22) Comp. Strength, Concrete/Gunite Core $60
- (C78/CT523) Flex. Strength of 6"x6"x21" Concrete Beam $165
- (C174) Length Measuring of Drilled Cores $75
- (C1140) Shotcrete Panel-Coring & Testing (Set of 3) $290
- (C1140) Shotcrete Panel (each addtl. specimen) $90
- (C496) Static Modulus of Elasticity $200
- (C496) Drying Shrinkage (Set of 3, up to 28 days) $395
- (C642) Spec. Gravity, Absorp., Voids in Hardened Concrete $95
- (F1869) Moisture Vapor Emission Rate, Concrete Subfloor $50

***2X Surcharge on rush turn-around for laboratory testing.**

****Fee applies for sample storage, testing, or disposal.**

1. *Listed are typical charges for the services most frequently performed by Geocon. Prices for unlisted services as well as special quotations for programs involving volume work will be provided upon request. Laboratory test prices shown are for laboratory work only and include reporting of routine results not calling for comments, recommendations or conclusions.*

2. *Sampling and testing are conducted in substantial conformance with the latest applicable or designated specifications of the American Society for Testing and Materials, Caltrans, American Association of State Highway and Transportation Officials, or other pertinent agencies.*

3. *Saturday, night work, and overtime hours are charged at time and one-half; Sundays and holidays at double time. Per diem is based on the local costs per day when location of work dictates.*

4. *Equipment and materials will be billed at cost plus 15%. Outside services including subcontractors and rental of special equipment are billed at cost plus 15%. Hourly services are billed portal to portal from closest office in accordance with the stated hourly rates herein.*

5. *Invoices will be submitted at four-week intervals. Terms of payment are met upon presentation of invoice. Invoices become delinquent thirty (30) days from invoice date and subject to one and one-half percent (1-1/2%) service charge per month, or the maximum rate allowed by law, whichever is lower. If Client objects to all or any portion of any invoice, Client will so notify Geocon in writing within fourteen (14) calendar days of the invoice date, identify the cause of disagreement, and pay that portion of the invoice not in dispute. The parties will immediately make every effort to settle the disputed portion of the invoice. Payment on delinquent invoices will first be applied to accrued interest and then to the principal amount. All time spent, and expenses incurred (including any attorney's fees and costs) in connection with collection of any delinquent amount will be paid by Client to Geocon per Geocon's current fee schedule.*

6. *Client and Geocon shall allocate certain of the risks so that, to the fullest extent permitted by law, Geocon's (the term "Geocon" includes Geocon's partners, officers, directors, employees, agents, affiliates, subcontractors and subconsultants) total aggregate liability to Client is limited to the greater of $100,000 or the total compensation received from Client by Geocon for services rendered on this project, for any and all of Client's injuries, damages, claims, losses, expenses, or claim expenses arising out of this Agreement from any cause or causes, including attorneys' fees and costs which may be awarded to the prevailing party, and Client agrees to indemnify and hold harmless Geocon from and against all liabilities in excess of the monetary limit established above.*

7. *Client and Geocon shall allocate certain of the other risks so that, to the fullest extent permitted by law, Client shall limit Geocon's total aggregate liability to all third parties, including contractors, subcontractors of all tiers, materialmen, and others involved in Client's project, as well as persons and other entities not involved in the project, to the greater of $200,000 or the total compensation received from Client by Geocon for services rendered on this project, for any and all injuries, damages, cause or causes, including attorneys' fees and costs which may be awarded to the prevailing party, and Client agrees to indemnify and hold harmless Geocon from and against all liabilities in excess of the monetary limit established above, including all liability incurred by Geocon for acts, errors, or omissions, pursuant to entering into agreements with third parties on behalf of Client in order to obtain access or entry onto property not owned by Client. Client agrees to notify all contractors and subcontractors of any limitation of Geocon's liability to them and require them to abide by such limitation for damages suffered by any contractor or subcontractor arising from Geocon's actions or inactions. Neither the contractor nor any subcontractor assumes any liability for damages to others which may arise on account of Geocon's actions or inactions.*

TASK AGREEMENT #CIP 028-2, 067-1
Interwest Consulting Group

TO PROFESSIONAL SERVICES AGREEMENT
FOR ON-CALL/STAFF AUGMENTATION SERVICES
Palomar St. Widening Project, Phase 2, and Cemetery Improvements, Phase 1
CIP 028-2 and CIP 067-1

This TASK AGREEMENT is made this 9th day of October, 2024, by and between the City of Wildomar, a municipal corporation, hereinafter called "CITY" and Interwest Consulting Group, Inc., hereinafter called "CONSULTANT".

1. This TASK AGREEMENT includes all of the terms and conditions contained in that certain Professional Services Agreement for On-Call/Staff Augmentation Services (ON-CALL AGREEMENT), executed by the parties and approved by the Wildomar City Council on April 2, 2008, inclusive of the First, Second, and Third Amendments dated September 10, 2008, May 10, 2017, and June 8, 2022, respectively.

2. **SCOPE OF SERVICES.** CONSULTANT shall provide Construction Management services for the CITY as required for CIP 028-2 and CIP 067-1 (Palomar St. Widening Project, Phase 2, and Cemetery Improvements, Phase 1). These services shall include, but may not be limited to, the scope of work outlined in the CONSULTANT's proposal shown in Exhibit "A", attached hereto.

3. **PRICE.** The services shall be provided on a time and materials basis, based on Exhibit "B-2", Hourly Billing Rates, of the ON-CALL AGREEMENT.

4. **SCHEDULE.** The services shall be provided on a schedule as requested by the CITY and agreed to by CONSULTANT.

IN WITNESS WHEREOF, the parties have executed this Agreement on the dates indicated below.

Dated: _____, 2024	Dated:_____, 2024
CITY OF WILDOMAR, a municipal corporation	CONSULTANT
By_____ Signature	By_____ Signature
_____ Name and Title	_____ Name and Title

Exhibit “A”

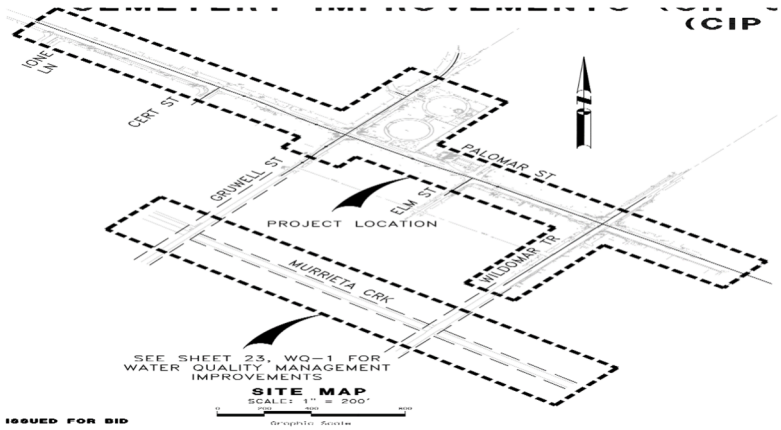
July 24, 2024

Jason Farag, PE, Director of Public Works
City of Wildomar
23873 Clinton Keith Road, Suite 201
Wildomar, CA 92595

Re: Letter Proposal to Provide Construction Management, Administration, and Inspection Services for the Cemetery Improvements (CIP 67-1) and Palomar St. Widening (CIP 28-2)

Dear Mr. Farag,

We are pleased to present this updated letter proposal to the City of Wildomar (City) to provide Construction Management, Administration, and Inspection Services for the Cemetery Improvements (CIP 67-1) and Palomar St. Widening (CIP 28-2) Project (Project). As discussed back in December 2023 per your email, as discussed with Warren Repke, and recently discussed with Steve Kooyman, PE, we understand that the City is looking for PT-FT Public Works Inspector and a PT Construction Manager to assist with the construction oversight and administration work. Furthermore, we understand that, if possible and practical, the City desires one FT CM/I person to complete the services required. Although this is a potential staffing plan, we would recommend having a dedicated field inspector with a construction manager to take care of the administerial portion of the construction and work directly with you and your staff to assure the successful delivery of the Project. Therefore, to accomplish this goal we propose **Remi Nunez**, Supervising Public Works Observer as the inspector for the duration of the Project. Remi has over 35 years of experience, has a great background in AC Pavement Rehabilitation work as well as other CIP types of Projects, and is familiar with the City requirements. Additionally, we propose **Henry Ngo, PE** as the Senior Engineer/Project and Construction Manager. Henry is a very seasoned project and construction manager with over 30 years of experience. Finally, we would recommend **Warren Repke, PE** as the Supervising Engineer with over 50 years' experience to assist with Project Management (PM) duties as he is very familiar with the Project and City requirements with many years of PM experience. **Steve Kooyman, PE** will be the QA/QC Manager throughout the project to assure the staff is completing the work as required, scheduled, available and periodically checking various documents for accuracy and compliance as required with availability to assist as needed.



PROJECT UNDERSTANDING

Based on the email dated December 6, 2023, and subsequent emails and conversations, we understand the Project entails: Demolition, clearing and grubbing, traffic control, cold milling, AC base and cap, decorative AC for multi-use trail, slurry seal, 4", 6" and 8" PCC pad/pavement, PCC ADA ramps, PCC sidewalk, PCC driveway

aprons, PCCC curb and gutter, PCC retaining curb, pavement fabric reinforcement, class II AB, removal and relocation of Air Vac/Relief, Blow Off assemblies and other EVMWD water improvements, utility adjustments, decorative gates/fence, walls, benches and other amenities, landscaping/irrigation, Traffic Signal Modification, and other improvements as shown on the approved plans and defined within the Contract Specifications provided.

Furthermore, we understand that the project construction duration is estimated at 240 Working Days (WD's) with pre-con Phase around 40 WD's as included in the 240 WD's, and Post-Con Phase around 20 to 40 WD's. Bid opening date is estimated at end of July 2024, a contract award date second week of August, and a tentative Notice to Proceed date in September 2024.

SCOPE OF WORK

Based on the proposal request for Construction Management and Inspection services our scope of work will be as follows:

Pre-Construction Phase (20-40 WD's)

- Set-up and facilitate City/CM&I/Geotech/EOR pre-con team meeting.
- Complete a Constructability Review and Pre-walk photo documentation report.
- Review all Submittals in coordination with the City and EOR.
- Review and respond to all RFI's.
- Review baseline schedule.
- Assist City with Labor Compliance.
- Assist City with public notices.
- Assist with Payment Tracker set-up with funding sources.
- Set-up Project files/folders per City requirements for Construction.
- Facilitate Pre-Construction Meeting with Agenda and compile notes.
- Meet and confer with City on any issues prior to NTP.
- Prepare NTP letter.
- Coordinate with all impacted Utilities and assist with final utility notices.
- Additional Duties as assigned.

Construction Phase (200 WD's)

- Complete Daily Inspections with Reports and Photos.
- Facilitate and attend weekly meetings with notes.
- Compile red-lines for As-Builts.
- Track schedule and payment progress.
- Review updated schedules.
- Coordinate the material and special inspection testing work with City's material testing firm (Geocon).
- Complete WSWD's.
- Inspect the Site for compliance with plans and specifications.
- Assist the City with WCD, Change Orders, PCO's, and track with a PCO log.
- Measure and provide Progress Payment quantities and Progress Payments for City.
- Coordinate utility work with the Contractor
- Meet and Discuss Issues with City.
- Complete QA for all documents related to construction.
- Review and respond to all RFI's and track with RFI log.
- Resolve all disputes with Contractor in coordination with the City.
- Assist with Labor Compliance and CPR review with City or City's sub-consulting firm.
- Complete BMP and SWPPP inspections.

- Assist with on-going public notices and updates.
- Check with funding requirements and compliance.
- Complete all file management duties.
- Additional Duties as assigned.

Post-Construction Phase (40 WD's)

- Complete Final Acceptance Documents and provide to City for processing NOC.
- Complete red-lines for As-builts and provide to City/EOR for record drawings.
- Complete close-out documentation.
- Assist with Final Labor Compliance Folder.
- Complete files archive.
- Complete Final Report.
- Assist City with potential claims, if needed.
- Assist with funding close-out requirements.
- Additional duties as assigned.

FEE SCHEDULE

Based on the request for proposal scope of work and estimated working days for Construction Management and Inspection services our Fee for a Not-To -Exceed Estimate amount is shown in the table below:

Task	Position (See Note 1)	2022 Rates	Estimated Working Days	Estimated Total Hours	Total
Pre-Construction Phase	**Remi Nunez** *Supervising Public Works Observer*	$115	20-40	20	$2,300
	Henry Ngo, PE *Senior Engineer/Senior Project and Construction Manager*	$143.75	20-40	30	$4,312.50
	Warren Repke, PE *Supervising Engineer*	$149.50	20-40	12	$1,794
	Steve Kooyman, PE *QA/QC Engineering Manager*	$161.00	20-40	4	$644
Subtotal				**66**	**$9,050.50**
Construction Phase	**Remi Nunez** *Supervising Public Works Observer*	$115	200	1,440	$165,600
	Henry Ngo, PE *Senior Engineer/Senior Project and Construction Manager*	$143.75	200	320	$46,000
	Warren Repke, PE *Supervising Engineer*	$149.50	200	90	$13,455
	Steve Kooyman, PE *QA/QC Engineering Manager*	$161.00	20-40	24	$3,864
Subtotal				**1,874**	**$228,919**

Task	Position (See Note 1)	Rate(See Note 2)	Estimated Working Days	Estimated Total Hours	Total
Post-Construction Phase	**Remi Nunez** *Supervising Public Works Observer*	$115	40	16	$1,840
	Henry Ngo, PE *Senior Engineer/Senior Project and Construction Manager*	$143.75	40	30	$4,312.5
	Warren Repke, PE *Supervising Engineer*	$149.50	40	12	$1,794
	Steve Kooyman, PE *QA/QC Engineering Manager*	$161.00	40	6	$966
Subtotal				**64**	**$8,912.50**
		TOTALS		**2,004**	**$246,882**

Notes:

1 – Additional Interwest staff may be used for coverage/backup during the project and remain within the NTE.

Furthermore, we appreciate the opportunity to submit this proposal to the City of Wildomar. Please contact Steve Kooyman, PE at 530.318.1066 or skooyman@interwestgrp.com should you have any questions. If you find our proposal acceptable, please provide a signed notice-to-proceed letter.

Sincerely,

Paul Meschino, President
Interwest Consulting Group

Attachments: Staff Resumes

Steve Kooyman, PE

PROJECT AND CONSTRUCTION MANAGER

Steve is a registered Civil Engineer with more than 30 years of civil engineering experience and has spent a vast amount of his career serving numerous jurisdictions throughout the Southern and Northern California and Northern. His background has provided him with the knowledge of various California municipality administrative, planning, building, engineering, and public works codes, policies, and procedures, which is a proven asset when providing technical assistance to engineers, architects, contractors, city personnel, and the public.

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Years of Experience: 30
Years with Interwest: 5

Education

- BS, Civil Engineering, California State University, Chico

Education

- CA Registered Civil Engineer, 55757
- NV Registered Civil Engineer, 13015
- QSD/QSP Training

Professional Affiliations

- National and Orange County ASCE Member

Areas of Expertise

- Civil Engineering
- Public Works
- Land Development
- Construction Management
- Program Management
- Budget Management
- Schedule Management

PROFESSIONAL HISTORY

Construction and Inspection Program Manager / Interwest Consulting Group / 2019 - Present

Steve provides Project and Construction Management as well as Senior Engineering Services to our clients throughout Southern California. He has assisted several Cities deliver various public works Capital Improvement Program projects from design (PS&E review), bid and award, and into construction (Project Management/Construction Management) such as:

- Water main replacement
- Sewer replacement
- Storm Drain replacement
- Street rehabilitation
- ADA and sidewalk replacement
- Facilities improvements
- Park and Landscape Improvements
- Coordination of Caltrans/City Projects

Public Works Director | City Engineer / City of Rancho Santa Margarita, CA / 2018 - 2019

Steve supervised and managed City staff and various consultants within the Public Works Engineering Division, administrating a $5-$6 million annual Capital Improvement Program, and was responsible for: all work within public rights-of-way, working directly with City Manager, and Executive Team on all PW Engineering, Maintenance, and CIP projects; Coordinating with the various master and individual HOAs within the City; Preparing/presenting staff reports to the City Council for CIP projects; Administering and implementing various City Council and City Manager policies, procedures, goals, and priorities for the City; and, Managing and monitoring all work within the Department, including developing the annual work plan and staffing plan, and developing and supervising all public works contracts in coordination with the City Attorney.

City Engineer / City of Brea, CA / 2015 - 2018

As City Engineer, Steve managed staff and administered a $30-$40 million annual CIP. He was responsible for: Updating and developing the City's Circulation Plan within the General Plan, Traffic, Water, Fire and Dispatch Impact Fee Programs, Sewer, Water, and Drainage Master plans; Developing expense and funding projections in coordination with the development of the 2016, 2017, and 2018 CIP and annual Engineering operational budgets; All work within the public rights-of-way, over 200 PW permits issued annually; Preparing and presenting various staff reports to the Planning Commission and City Council for CIP and development projects; Supervising, reviewing, and stamping all final parcel/tract maps, and lot line adjustments related to subdivisions within the City; and, Managing and coordinating all CEQA/NEPA documents with the City Planner within the Planning Division for PW projects.

Assistant Public Works Director, Public Works and Utilities Department / City of San Juan Capistrano, CA / 2013 – 2015

Steve supervised and managed up to twelve employees and various consultants within the PW Division for a $10-$15 million annual CIP. In this position, he was responsible for: Updating and developing of the City's Circulation Funding Plan with development projections in coordination with the development of the CIP and annual fiscal year operational budgets; Managing the pavement management and NPDES storm water program for the City; Managing and supervising the maintenance of the City's parks and facilities in coordination with the Maintenance Superintendent; Attending and managing

various advisory committees within the City for the bike/equestrian trails, and parks; Managing and coordinating all CEQA/NEPA documents with the Planning Department for PW projects; and Managing and developing the Engineering Division annual work and staffing plans.

Deputy Director, Engineering, Transportation Planning and Land Development | Senior Civil Engineering | Supervising Civil Engineer / County of El Dorado / 2001 – 2013

Steve served the County of El Dorado for more than a decade in various high level management positions, at his peak supervising a staff of more than twenty employees and several consultants within the Transportation Planning and Land Development Unit. He managed projects a part of the County's $30-$45 million annual CIP with the following responsibilities: Working directly with County Board Members on various high-profile projects in coordination with the Presidential Tahoe Summit and State Forums; Serving as the County Engineer for all development within the County; Managing the pavement management program, traffic impact program, and NPDES storm water program for the County; Working directly with the County Counsel on all subdivision map agreements and PW/transportation contracts; Working directly with the Planning Director and County Counsel during the development of the General Plan Update; Attending and facilitating various public meetings regarding the General Plan Update and CIP; Supervising and managing the Tahoe Storm Water Management Program with Total Maximum Daily Load and NPDES requirements; Supervising the County's Transportation efforts in Tahoe Managed and developed the Tahoe Engineering Units annual and 5-year budgets; Working directly with the Tahoe Maintenance Division on all roadway, bridge, and drainage improvements; and Facilitating and managing various public outreach meetings with respect to the CIP projects in Tahoe.

Associate Civil Engineer / City of South Lake Tahoe, CA / 1997 – 2001

Steve performed civil engineering design; completed hydraulic/hydrology reports, construction specifications, and contract documents; and performed construction management and inspection for numerous civil engineering projects within the City. He worked directly with the Planning Department on all development projects within the City including the Redevelopment Agency; and administered, reviewed, and issued the various PW permits within the City.

Civil Engineer / Ernie Jones Associates, Ltd / 1993–1997

Steve performed civil engineering design and performed construction management and inspection for numerous civil engineering projects, including many residential home designs in South Lake Tahoe. He designed and prepared plans for several apartment complexes, subdivision maps, improvement plans, and various water, sewer, erosion control projects.

Warren W. Repke, PE

CIVIL ENGINEER

Warren brings over 50 years of civil engineering experience serving public agency clients throughout Southern California. He has designed; plan checked and managed hundreds of infrastructure improvement projects including roads, water systems, sewers and bridges. He is also licensed to practice land surveying in California and has served as project surveyor and surveyor of record on many public and private projects. Warren brings an exemplary work ethic focusing on continuous process improvements while maintaining the ability to effectively navigate through politically sensitive environments. He is committed to serving the needs of the client through strong leadership and a collaborative approach.

PROFESSIONAL EXPERIENCE

Senior Engineer / Interwest Consulting Group / 2012 – Present

Provides various engineering services to jurisdictions throughout Southern California.

Special Consultant / Winzler & Kelly | GHD / 2009 – 2012

Served as Project Manager, Quality Control Manager, and advisor on public works projects. Prepared service proposals and marketed the firm to public works agencies.

Principal | Owner / Norris-Repke/ 1984 – 2009

Provided direction and management of the firm. Served as Project Manager on numerous projects, served as City Engineer and Public Works Director on a contract basis, prepared service proposals and marketed the firm.

City Engineer / City of Villa Park, CA / 2001 – 2008

Provided day-to-day management of city engineering needs, interfaced with residents, and directed staff. Developed CIP projects and budgets. Worked with the City Manager to determine and deliver long and short-term solutions to the City's engineering and public work's needs.

Director of Public Works / City of Buena Park, CA / 2002 – 2003

Responsible for overall management of public works, engineering, maintenance, and traffic divisions.

Vice President | Senior Project Manager / GPS Consulting Engineers / 1979 – 1984

Municipal engineering consulting firm specializing in public works design, construction and maintenance. Managed the design and construction of large improvement projects, including pavement design and resurfacing of the main runway at John Wayne Airport.

Assistant City Engineer / City of Orange, CA / 1974 – 1979

Senior Civil Engineer / City of Costa Mesa, CA / 1972 – 1974

Assistant Engineer / City of Buena Park, CA / 1968 – 1972

Civil Engineer / California Department of Water Resources, CA / 1965 – 1968

INTERWEST

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YEARS OF EXPERIENCE: 50+

EDUCATION

- Bachelor of Science, Civil Engineering, Illinois Institute of Technology

REGISTRATIONS / CERTIFICATIONS

- CA Registered Professional Engineer 19442

PROFESSIONAL /. AFFILIATIONS

- ASCE - American Society of Civil Engineers, Lifetime Member Award
- Los Angeles Chapter, President, 1997-1998
- Vice President of Education, 1992-1995
- National Committee of Students, Chairman
- Orange County Chapter, President, 1980-1981
- APWA - American Public Works Association, Water Resource Committee, Chairman
- Pavement Maintenance & Management Sub-Committee, Chairman
- Municipal Engineering Committee, Member
- American Water Works Association
- City & County Engineers Association, Los Angeles County

Henry Ngo
PROJECT MANAGER

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Henry is a Project Manager with more than 30 years of experience in Public Works projects, highway design, civil and utility design.

PROFESSIONAL HISTORY

Projects Construction Manager / Interwest Consulting Group / 2022 - Present
Henry is the Project Construction Manager for the Wardlow Road Sewer Relocation Project, Dominguez Ranch Slope Improvement Project construction in City of Corona, and Downtown Urban Space Project in City of Upland. As a Construction Manager, Henry represents the City , oversights the project construction, conducts the pre-construction meetings, on-site construction coordination meetings, reviews and approves submittals, change orders, payment requests, and prepares all documentations for the project close out.

Project Manager / City of Moreno Valley / 2008 - 2022
Henry is the Project Manager in charge of managing a variety of Capital Improvement Projects including street widening, street pavement rehabilitation, sidewalk improvement, the Street Improvement Program, Bikeway Improvement Master Plan, Storm Drain Improvement, Park Improvement, Traffic Signal Improvement, Sewer & Water Improvement, and Utility Improvement.

As the Project Manager, Henry reviews the projects in Design Phase, coordinates with all project stake holders, utility companies, reviews and approves the PS&E and complete the project bidding and award process. During construction, Henry conducts the pre-construction meeting, construction coordination meetings and performs Construction Management including review of submittals, reviewing and approval of Change Orders, payment requests, and preparation of the project close out. Henry also attends utility purveyors' pre-construction meetings to be in compliance with utility companies' procedures.

Interim Engineering Division Manager / City of Moreno Valley / 2015 - 2016
Henry applies business-friendly approaches and maintains customer care to achieve the Land Development Division Mission: "To efficiently and effectively partner in the development process by ensuring sustainable infrastructure with a commitment in making every customer experience a positive one."

Plan Reviewer / City of Moreno Valley / 2005 - 2008
Henry performs plan reviewing for a variety of subdivision projects, custom homes, and commercial projects. He reviews grading, street improvement, storm drain, sewer and water improvement plans.

Years of Experience: 30+

Education
- BS, Civil Engineering, Cal. Poly University

Registrations/Certifications
- Professional Civil Engineer
- California C58590
- Washington 38728

Professional Affiliations
- APWA Inland Empire Chapter, Secretary

PARK PROJECTS EXPERIENCE

1. Patriot Park Improvement.
   This is a new park, CIP project, constructed on City vacant land.
   PM for Design and construction.
   Construction Cost: $2.1 Millions
   Construction was completed in 2012.
   Reference: Prem Kumar, PE, Former City of Moreno Valley Deputy Public Work Director
   Email: bmwjet@live.com

2. Civic Center Demonstration Garden.
   This is a CIP project, constructed on City vacant land.
   PM for Design and construction.
   Construction Cost: $500,000
   Construction was completed in 2021.
   Reference: Terry Renner, PE, Project Manager TKE Engineering
   Phone: (951) 680-0440
   Email: trenner@tkeengineering.com

3. Civic Center Park Amphitheater.
   This is a new amphitheater, CIP project, constructed on City vacant land. PM for Design and construction. Construction was completed in 2021.
   Reference: Terry Renner, PE, Project Manager TKE Engineering Inc.
   Phone: (951) 680-0440
   Email: trenner@tkeengineering.com

4. Juan Bautista De Anza Trail ATP 3 project.
   This is a new trail project, constructed along DWR aqueduct easement.
   PM for Design and construction.
   Construction was completed in 2022.
   Reference: Chuck Stephan, PE, Project Manager KOA Corporation Inc.
   Phone: (310) 525-0678
   Email: cstephan@koacorp.com

STREET PROJECTS

1. Citywide Pavement Resurfacing and Rehabilitation Program
   City of Moreno Valley CIP project to provide annual street pavement rehabilitation

   PM for Design and construction.
   Construction Cost: $5 Millions
   Construction was completed annually
   Reference: Michael Lloyd, PE, City of Moreno Valley Public Work Director
   Phone: (951) 413-3105

Remi Nunez

INSPECTOR

Remi has over 35 years of experience in the public works industry, with over 14 years providing electrical inspection. He is experienced at providing inspection services on fiber-optic installation of high-density polyethylene (HDPE) conduit and fiber optic cables, pavement rehabilitation which includes cold-in-place recycling of asphalt concrete on major projects, sidewalks, concrete structures, driveways, water main and service installations and much more.

PROFESSIONAL EXPERIENCE

Inspector / Interwest Consulting Group / 2023 – Present

- Perform daily field inspections of residential, commercial, and public facility construction projects.
- Interact with the public and explain technical information to both technically and non-technically trained individuals.
- Review residential and commercial plans and engineering calculations for building components to ensure compliance with applicable codes.

TRANSPORTATION PROJECT EXPERIENCE

Construction Inspector / Pavement Rehabilitation Project ($1.5 Million) / City of Fontana / 2022

Remi inspected pavement rehabilitation projects consisting of pavement grinding, asphalt concrete overlay with placement of conventional and ARHM AC materials, adjustment of utilities consisting of manholes and water valves, pavement marking installations, detector loop replacement, and traffic control.

Construction Inspector / Caltrans District 8 (08A3068) / San Bernardino & Riverside Counties ($23 Million) / 2020

Remi provided construction inspection for the SR-10 roadway improvements project, between Redlands and Yucaipa. His work included fiber optic installation and nighttime freeway closures.

Construction Inspector / Hot Spot Intersection Improvements Rosemead Blvd. ($1.4 Million) / City of Pico Rivera / 2019

Remi provided daily inspection of the contractor's work checking for compliance. He maintained a set of red lined plans for as-built corrections and prepared punch lists for final acceptance of the work.

WATER / WASTEWATER PROJECT EXPERIENCE

Construction Inspector / Moulton Niguel Water District, Forbes Road Phase II ($98,200) / City of Laguna Niguel / 2018

Remi provided as-needed staff augmentation and construction inspection services in support of the District's electrical work, startup and commissioning, linings and coatings, structural work, welding, and other general overflow inspections.

Construction Inspector / EVMWD, Regional Agricultural Pipeline Conversion ($160,000) / City of Lake Elsinore 2018 – 2019

Remi provided daily inspection of the contractor's work checking for compliance. All work was documented through daily inspection reports and photo documentation.

Construction Inspector / Golden State Water Company, Barstow / Simi Valley / 2015

Remi provided inspection for water line replacement, installation of fire hydrants, water values, water services, and water appurtenances, trench backfill and compaction, water disinfection, trench reconstruction in various locations.

INTERWEST

A SAFEbuilt COMPANY

YEARS OF EXPERIENCE: 35

EDUCATION:

- AS in Public Works, Citrus College

LICENSES / CERTIFICATIONS:

- The National Association of Sewer Service Companies (NASSCO)
- Inspector Training & Certificate Program (ITCP) for the Inspection of Cured-in-Place-Pipe (CIPP) Installations
- American Construction Inspectors Association Registered Construction-IV Inspector No. 5210

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Project Number : CIP-28-2
Project : Cemetery Frontage, ADA and Palomar Street Widening

FIFTH AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT FOR PALOMAR WIDENING PROJECT

This Fifth Amendment To Professional Services Agreement For Cemetery Frontage, ADA and Palomar Street Widening Improvements ("Fifth Amendment") is made as of the ninth (9th) day of September, 2024 by and between the CITY OF WILDOMAR, a California general law city ("City"), and MARK THOMAS CORPORATION, a California corporation ("Design Professional"). City and Design Professional are sometimes referred to herein, individually, as a "Party" and collectively, as "Parties."

RECITALS

A. City and Design Professional entered into an agreement for Design Professional Services on April 14, 2021 ("Agreement"). The Agreement provides that Design Professional will perform engineering design services.

B. A First Amendment was approved on April 7, 2022 ("First Amendment") , for additional services in the amount of $36,865, increasing the contract amount $309,335; a Second Amendment was approved on April 12, 2023 ("Second Amendment"), for additional services in the amount of $81,925, increasing the contract amount to $354,395; and a Third Amendment was approved on May 12, 2023 ("Third Amendment"), for additional services in the amount of $16,210, increasing the contract amount to $370,605; and a Fourth Amendment was approved on August 14, 2023 in the amount of $37,500, increasing the contract amount to $458,105.

C. Sections 1, 2 and 4 of the Agreement provide for the Term, Scope of Services, and Compensation for the performance of the services, respectively.

D. This Fifth Amendment amends Sections 1, 2, and 4 to provide that the term, services to be provided, and compensation are modified as provided below.

OPERATIVE PROVISIONS

Now, therefore, in consideration of the promises made and recited herein, the parties do hereby enter into this Fifth Amendment which modifies and amends the Agreement as follows:

1. Section 1 of the Agreement is amended to read as follows:

> "Subject to the provisions of Section 20 'Termination of Agreement' of this Agreement, the Term of this Agreement is for five years commencing on the date first ascribed above."

2. Exhibit "A", Scope of Services, is hereby modified to add the Scope of Services

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contained in the proposal dated June 17, 2024, attached hereto as Attachment 1 and incorporated herein by this reference.

The City Manager to authorized to add additional scope of work items up to the total compensation amount contained in Section 4 of this Amendment.

3. Exhibit "B", Compensation, is hereby amended by adding new Tasks 2.6, 3.5, and 7.9, and by replacing Tasks 8.1 and 8.2. The total additional compensation is $103,124.

4. The second sentence in Section 4 is hereby amended to read as follows:

> "The total compensation including reimbursement for actual expenses shall not exceed Five Hundred Seventy One Thousand Two Hundred Twenty Nine and 00/100 Dollars ($571,229.00), subject to Sections 26 and 28 herein."

GENERAL PROVISIONS

1. **Remainder Unchanged**. Except as specifically modified and amended hereby, the Agreement, as previously amended by the First Amendment, the Second Amendment, the Third Amendment, and the Fourth Amendment, remains in full force and effect and binding upon the parties.

2. **Integration.** This Fifth Amendment consists of two pages and the attached proposal inclusive and constitutes the entire understanding of the parties.

3. **References**. All reference to the Agreement includes all its respective terms and provisions. All defined terms utilized in this Fifth Amendment have the same meaning as assigned to such terms in the Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year first above written.

CITY OF WILDOMAR:	**MARK THOMAS CORPORATION:**
	Darin P Johnson
Dan York, City Manager	Darin Johnson, P.E., Division Manager
	9/26/2024
Date	Date

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

ATTACHMENT 1

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

MARK THOMAS

June 17, 2024

Warren Repke, P.E., Capital Projects Manager
City of Wildomar.
23873 Clinton Keith Road, Suite 201
Wildomar, CA 92595

RE: Wildomar Cemetery Improvements and Palomar Street Widening – Additional Services Proposal No. 5

Dear Mr. Repke:

Mark Thomas is submitting this Additional Services Proposal No. 5 for anticipated work involved with construction engineering support and as necessary services to finish the project. Please consider this a request to amend our existing Agreement for Services (Agreement) with the City for the Project dated March 11th, 2021. This work request will require additional compensation in addition to the fees established in the Agreement. In accordance with terms of the Agreement, we request the City to provide written authorization to proceed by signing below.

ADDITIONAL SERVICES

Task 2.0 – Survey

Tasks 2.6 – Additional Topographic Survey (Gruwell Street)
Includes topographic survey to document existing site topography and planimetrics along Gruwell Street. Refer to Attachment B for additional scope information.

Deliverables

- *Updated Topographic Base Map*

Task 3.0 – Utilities

Tasks 3.5 – Utility Base Map Updates
For the additional area east of the cemetery limits approximately 600 feet along Gruwell Street, Mark Thomas will distribute Utility "A" Letters (record request forms) to each utility to request as-built maps mapping of their facilities. Mark Thomas will utilize as-built data and utility maps by the utility companies to update existing utility base mapping.

Mark Thomas assumes no conflicts as any additional improvements in this area will be surface level nor did we include any potholing. Additionally, we are not including any B (Relocation Claim Letter) or C (Notice to Relocate) letters to utility owners.

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

Deliverables

- *Additional Utility Research*
- *Updated Utility Base Map*

Task 7.0 –PS&E

Tasks 7.9 – Updated PS&E

The original contract scope required Mark Thomas to prepare plans, specifications, and estimates for the original project footprint. Mark Thomas will update the PS&E to incorporate the additional area of Gruwell north of the Cemetery.

Deliverables

- *Updated Title Plans*
- *Updated Removal Plans (1 Additional)*
- *Updated Layout Plans (2 Additional)*
- *Updated Striping Plans (1 Additional)*
- *Updated Signing Plans (1 Additional)*
- *Updated Utility Plans (1 Additional)*
- *Updated Cross Sections (2 Additional)*

Task 8.0 – Bidding & Construction

After completion of all plans, specifications and contract documents necessary for the project, we have reviewed the Scope of Services for engineering support during the bidding and construction phases as included in the agreement signed on February 1st, 2022, and Mark Thomas believes based on the nature of the project improvements and required contract documents the scope of services is inadequate to support the City as necessary during these phases. The original scope and fee proposed was based on limited available design information (i.e., General Plan elements) and a substantial number of specialty products and improvements were incorporated at the direction of the City throughout design development. We are requesting the following scope of services in lieu of the previously proposed scope of services.

Tasks 8.1 – Bid Support and Design Services During Construction

Mark Thomas and sub-consultants will provide assistance, as required, to the City during bidding of the project. The work may include answering questions from prospective bidders, assisting the City in preparation of addenda to the PS&E during the advertisement period, and providing consultation and interpretation of the construction documents. Mark Thomas will attend up to one (1) pre-construction meeting.

Mark Thomas will update the Project improvement plans to a conformed construction set prior to start of construction. Response to up to twenty (20) RFIs provided by the Contractor as necessary. Mark Thomas will attend up to three (3) meetings during construction.

Additionally, we anticipate review of submittals and shop drawings associated with the submittals on the following page. Hours included for both sub-consultants and Mark Thomas associated with this task are an estimate only based upon our understanding of submittals needed, meetings and the number of RFIs. Should these substantially change, Mark Thomas will provide written notification to the City for approval on scope or fee modifications in an attempt to maintain the Project budget for these tasks.

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

Submittals

Civil Design
- Project Signs (2)
- Pavement Reinforcement Fabric Approval
- Various PCC Mix Designs
- Various Asphalt Concrete Mix Designs

GPR/Survey
- GPR Review
- Field Walk for GPR Findings
- Monument Placement / Preservation Review

Drainage
- Stormwater Membrane Filtration Device
- CSP / CSP Flared Outlets

Perimeter Walls
- Cemetery Perimeter Wall Block (3 Types)
- Block, Grout, Steel Reinforcement Bars
- Rock Veneer for perimeter wall

Aesthetics
- Decorative Pavement
- Decorative Stamped Asphalt
- Cemetery Pavers

Fencing / Railing
- Decorative Trail Fencing
- Automatic Vehicular Gates (2)
- Iron Swing Gate
- Roll Gate
- Wrought Iron / Chain Link Fence

Planting
- Plant and Tree Lists
- Planting Soil, Mulch, Compost, Amendments, and Fertilizers
- Weed Fabric
- Tree Stakes and Root Barriers
- Commercial Center Plant List

Irrigation
- Controller and Cabinet
- Flow Sensor
- Miscellaneous (Valves, Bubblers, Driplines, Pipe)
- Wiring and Conduit
- Commercial Center Irrigation

Electrical / Conduit
- Conduits, Wiring, and Pull Boxes
- Vaults and Pull Boxes

Amenities
- Bench
- Trash/Receptacles
- Sphere Bollards
- Cemetery Main Office Sign
- Columbarium Plinth and Plaque
- Pet Station

Task 8.2 - Preparation of As-Builts / Record Information

Mark Thomas will prepare record drawings from contractor and construction as-built drawings, markups, and field notes. Record drawings will be electronically submitted to the City.

Deliverables
- *Up to four (4) total meetings.*
- *Submittal review and support as noted above.*
- *Responses and support for up to twenty (20) Requests for Information.*
- *Preparation of As-Built / Record Map Drawings in PDF format.*

Assumptions
- *Hours included in Tasks 8.1 and 8.2 are considered a "budget" amount to be used on a time and materials basis as requested by the City. Any time spent beyond this budget will require a contract amendment. Additionally, either the City staff or their Construction Management consultant will provide detailed redlines and instructions of as-built conditions prior to Mark*

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

June 17, 2024
Wildomar Cemetery Improvements and Palomar Street Widening – Additional Work Request No. 5
Project No.: IR-00062

Thomas development final as-builts. Our as-builts will be based upon said redlines and/or instructions, and RFI's or submittals answered during the construction phase.

FEE SCHEDULE

Mark Thoms will require the following to complete anticipated construction engineering support services:

Additional Services Request No. 5	Amount
Task 2.0 – Survey	
Task 2.6 – Additional Topographic Survey (Gruwell Street)	$7,976
Sub-total	***$7,976***
Task 3.0 - Utilities	
Task 3.1 – Utility Base Map Updates	$4,792
Sub-total	***$4,792***
Task 7.0 – PS&E	
Task 7.9 – Updated PS&E	$26,088
Sub-total	***$26,088***
Task 8.0 – Bidding & Construction Support	
Task 8.1 – Bid Support and Design Services During Construction	$68,312
Task 8.2 - Preparation of As-Builts / Record Information	$13,996
Sub-total	**$82,308**
Previous Task 8.0 Subtotal*	**$18,740***
Other Direct Costs	
Sub-total	**$700**
Total	**$103,124**

*Denotes Task 8.0 as proposed herein will replace Task 8.0 per the original Agreement of Services on March 11, 2021. The previous proposed fees have been deducted from the total shown above and will be shifted to miscellaneous tasks 8.1 and 8.2.

Refer to "Attachment A - Fee Schedule" and "Attachment B - Sub-consultant Proposals" for additional information on fees proposed above. To provide all provided services, Mark Thomas is requesting an additional $92,236.

Thank you again for this opportunity to submit this proposal and please do not hesitate to contact myself at (951) 870-3094 or via email directly at jcosper@Markthomas.com.

Thanks,

Sincerely,
MARK THOMAS
Josh Cosper, PE, PLS
Senior Project Manager

Attachments:
Attachment A – Fee Schedule
Attachment B – Sub-Consultant Proposals

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

ATTACHMENT "A"

FEE SCHEDULE

WILDOMAR CEMETERY PERIMETER WALL, FENCING AND ADA IMPROVEMENTS AND PALOMAR STREET WIDENING

MARK THOMAS

		Engineering Manager $369	Sr. Project Manager $318	Project Engineer $204	Design Engineer I $142	Intern $60	Sr. Survey Manager $294	Project Surveyor $221	LAUD Division Manager $307	LAUD Project Manager $255	Landscape Designer $149	Project Accountant $188	Project Coordinator $182	Total Hours	Total MT Cost	Subconsultants: FEHR & PEERS Non-DBE	Subconsultants: GROUP DELTA Non-DBE	Subconsultants: CL SURVEYING DBE	TOTAL COST
2.0	**Survey**																		
2.6	Additional Topographic Survey (Gruwell Street)				8									8	$1,136	-	-	$6,840.00	$7,976
	Subtotal Phase 2	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**$1,136**	**$0**	**$0**	**$6,840**	**$7,976**
3.0	**Utilities**																		
3.5	Utility Base Map Updates			10	16	8								34	$4,792	-	-	-	$4,792
	Subtotal Phase 3	**0**	**0**	**10**	**16**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**34**	**$4,792**	**$0**	**$0**	**$0**	**$4,792**
7.0	**PS&E**																		
7.9	Updated PS&E		16	40	80							4	4	144	$26,088	-	-	-	$26,088
	Subtotal Phase 7	**0**	**16**	**40**	**80**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**4**	**144**	**$26,088**	**$0**	**$0**	**$0**	**$26,088**
8.0	**Bidding & Construction**																		
8.1	Bid Support and Design Services During Construction		22	108	80					44	52		8	314	$60,812	$7,500	-	-	$68,312
8.2	Preparation of As-Builts / Record Information		4	12	40					4	24				$13,996				$13,996
	Subtotal Phase 8	**0**	**26**	**120**	**120**	**0**	**0**	**0**	**0**	**48**	**76**	**0**	**8**	**314**	**$74,808**	**$7,500**	**$0**	**$0**	**$82,308**
TOTAL HOURS		**0**	**42**	**170**	**224**	**8**	**0**	**0**	**0**	**48**	**76**	**4**	**12**	**500**					
OTHER DIRECT COSTS															**$700**	**$0**	**$0**	**$0**	**$700**
TOTAL COST		**$0**	**$13,356**	**$34,680**	**$31,808**	**$480**	**$0**	**$0**	**$0**	**$12,240**	**$11,324**	**$752**	**$2,184**		**$107,524**	**$7,500**	**$0**	**$6,840**	**$121,864**
																Less Original Tasks 8.1 through 8.3			**-$18,740**
																		Total	**$103,124**

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

June 17, 2024
Wildomar Cemetery Improvements and Palomar Street Widening – Additional Work Request No. 5
Project No.: IR-00062

ATTACHMENT "B"
SUB-CONSULTANT PROPOSALS

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

CL SURVEYING & MAPPING

June 4, 2024

Kimberly Barling
Mark Thomas
3400 Inland Empire Boulevard, Suite 101
Ontario, CA 91764

Via Email: kbarling@markthomas.com

RE: City of Wildomar
Wildomar Cemetery – Additional Survey

Dear Kimberly,

CL Surveying and Mapping appreciates the opportunity to present this enclosed proposal for the subject surveying services. We take pride in our exceptional level of professional services and the quality of our survey work. I know you will find our organization to be responsive to your needs and schedules.

The work will be performed as summarized in Exhibit "A" Scope of Work.

We look forward to the opportunity to work with your firm. We are a Certified MBE SBE DBE firm and are a signatory to the Operating Engineers, Local 12 Labor Agreement.

Thank you for your consideration of this proposal. If you have any questions or would like additional information, please do not hesitate to give me a call at (909) 484-4200.

Sincerely,

CL SURVEYING AND MAPPING, INC.

Lam Le, PLS
President

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

EXHIBIT "A"
CITY OF WILDOMAR
WILDOMAR CEMETERY – ADDITIONAL SURVEY

June 4, 2024

Task 1–Topography and Survey

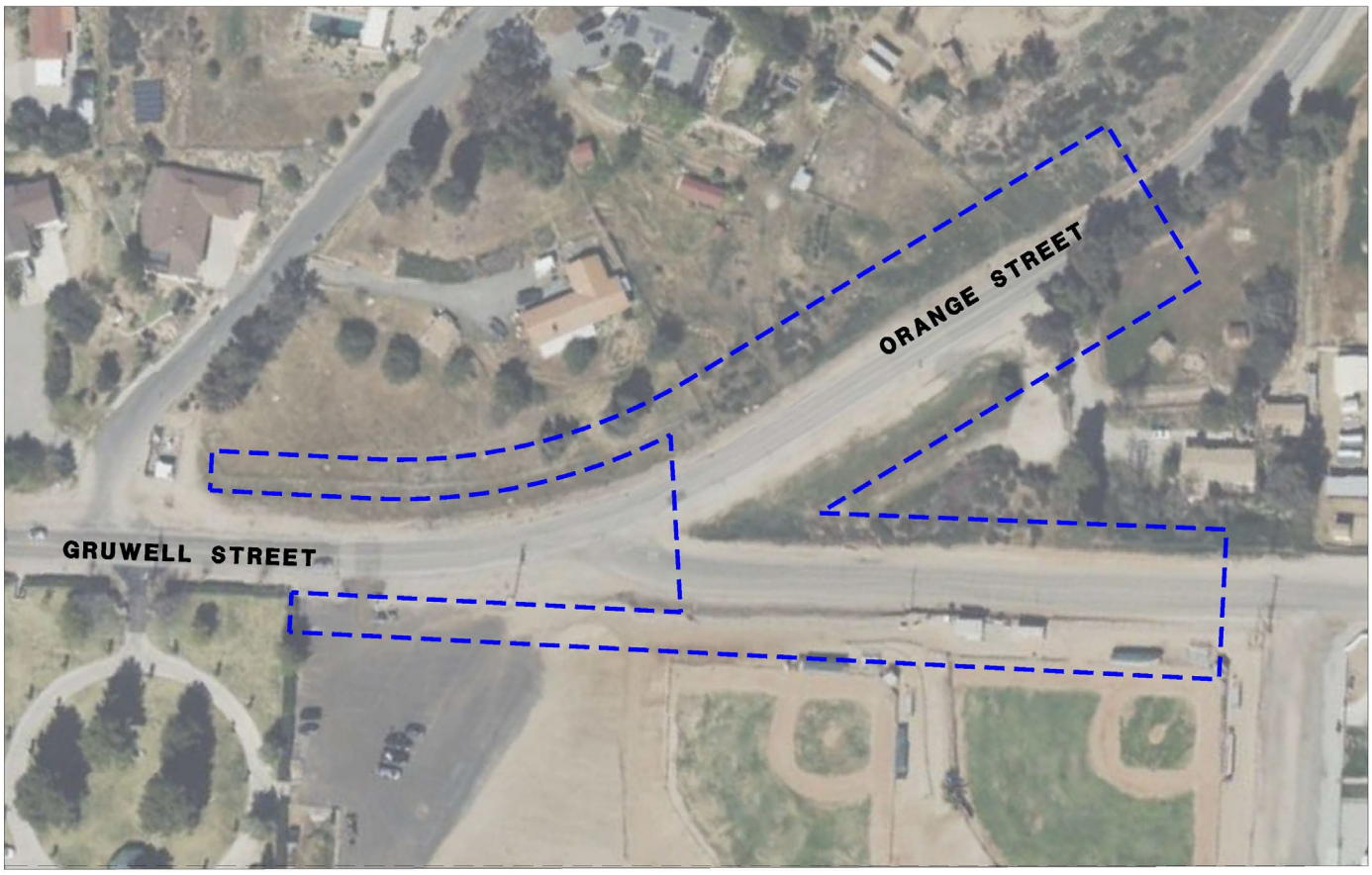
Perform additional field topographic survey to document existing site topography and planimetrics as shown on Exhibit "B". Substantial visible improvements will be located within and beyond the street right of way, including utilities, manholes, valve covers, utility vaults and covers, signposts, signs, trees, utility poles, traffic signal poles, cross gutters, local depressions, catch basins, driveway openings, sidewalks, corner access ramps, fire hydrants, parkway drains, etc. Visible indications of surface utilities lying within the project limits will be located, as will accurate lid/rim elevations for drainage structures present. Street cross sections will be taken at 25-foot intervals.

Task 1 Total: $6,840.00

Deliverables will include an AutoCAD drawing file along with the Ascii point file of the survey points collected in the field.

Docusign Envelope ID: 692ADB83-4381-41CB-88B1-5FD4FB29283D

EXHIBIT "B"



CITY OF WILDOMAR
CC - REGULAR MEETING
FUTURE AGENDA ITEMS

Meeting Date: October 9, 2024

SUBJECT: Future Agenda Items

SUBMITTED BY: Janet Morales

ACTION:
Title- Councilmember-Anticipated Date
1. Expand Pavement Management/Road Rehab Program for private and public roads - Marquez - TBD

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 1.2
Meeting Date: October 9, 2024

SUBJECT: City Council/Cemetery District Minutes - September 11, 2024.

SUBMITTED BY: Janet Morales, City Clerk

ACTION:
Approve the minutes as presented.

ATTACHMENTS:
1. Minutes 9-11-2024

MINUTES
CITY OF WILDOMAR
CITY COUNCIL/CEMETERY DISTRICT
WEDNESDAY, SEPTEMBER 11, 2024
COUNCIL CHAMBERS
23873 CLINTON KEITH ROAD SUITE 106
WILDOMAR, CA, 92595

Closed Session: 5:30 PM | Regular Session 6:00 PM

CALL TO ORDER – CLOSED SESSION - 5:30 P.M.

The Regular Closed Session was called to order by Mayor Moore at 5:30 p.m.

ROLL CALL

Members in attendance: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito, and Dustin Nigg

Members absent: None.

PUBLIC COMMENTS

There were no public comments.

CLOSED SESSION

The City Council will meet in closed session pursuant to the provisions of Government Code Section 54956.9 (d)(1) to confer with legal counsel with regard to the following matters of pending litigation:

A. O'Neal Pack v. City of Wildomar et al; case number: CVME2401183

B. Richard Ostheimer v. City of Wildomar et al; case number: CVSW2403047

The City Council convened into Closed Session at 5:31 p.m.

RECONVENE INTO OPEN SESSION

The City Council reconvened into open session at 6:00 p.m. with all members present.

ANNOUNCEMENTS

City Attorney Jex stated that the City Council met regarding both items on the closed session agenda and the City Council voted 5-0 to defend both the litigation matters listed

on the agenda.

ADJOURN CLOSED SESSION

There being no further business, Mayor Moore adjourned the Closed Session at 6:00 p.m.

CALL TO ORDER – REGULAR SESSION - 6:00 P.M.

The Regular Meeting of the Wildomar City Council was called to order by Mayor Moore at 6:00 p.m.

ROLL CALL

Members in attendance: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito, and Dustin Nigg

Members absent: None.

Staff in attendance: City Manager York, City Attorney Jex, City Clerk Morales, Community Services Director Torres, Administrative Services Director Schrader, Public Works Director Farag, Finance Manager Jantz, Code Enforcement Manager Berroteran, Human Resources and Risk Manager Wolf and Senior Planner Lachgar.

FLAG SALUTE

The flag salute was presented by Troop 332.

MOMENT OF SILENCE - 9/11 REMEMBRANCE

Mayor asked for a moment of silence in remembrance of 9/11.

PRESENTATIONS

1. Proclamation: Constitution Week September 17th - 23rd
2. Proclamation: Pitt Hopkins Awareness Day

DEPARTMENT REPORTS

Code Enforcement Homeless Outreach update followed by The Regional Homeless Alliance/Baker Tilly Presentation given by Susan Price

Public Works/Engineering - Road Improvements Update

Community Services Departmental Update

Councilmember Nigg left the dias at 7:05 p.m.

PUBLIC COMMENTS

There were no public comments.

COUNCIL COMMUNICATIONS

The City Council members spoke regarding various committees, comm1ss1ons, and boards that they serve on locally and regionally and community events including:

1. Riverside Conservation Authority (RCA)

2. Riverside Transit Agency (RTA)
3. Riverside County Transportation Commission (RCTC)
4 League of California Cities
5. Southern California Association of Governments (SCAG)
6. Riverside County Habitat Conservation Agency (RCHCA)
7. Western Riverside Council of Governments (WRCOG)
8. Southwest Community Financing Authority (Animal Shelter)
9. Ad Hoc & Subcommittees
10. Community events
11. Regional events
12. Chamber of Commerce

APPROVAL OF THE AGENDA AS PRESENTED

Moved by Joseph Morabito; seconded by Carlos Marquez to approve the agenda as presented.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

1) CONSENT CALENDAR

1.1) July 10, 2024 - City Council/Cemetery District Regular Minutes

Approved the minutes as presented.

1.2) August 14, 2024 - City Council/Cemetery District Regular Minutes

Approved the minutes as presented.

1.3) August 2024 Warrant Register

Approved the following:

For Fiscal Year 2023/2024:
1. Warrant Register dated 08-01-2024 in the amount of $851,764.80
2. Warrant Register dated 08-08-2024 in the amount of $142,764.67
3. Warrant Register dated 08-15-2024 in the amount of $175,541.19
4. Warrant Register dated 08-22-2024 in the amount of $16,836.46
5. Warrant Register dated 08-29-2024 in the amount of $15,762.50.

For Fiscal Year 2024/2025:
1. Warrant Register dated 08-01-2024 in the amount of $7,707.94
2. Warrant Register dated 08-08-2024 in the amount of $41,511.98
3. Warrant Register dated 08-15-2024 in the amount of $137,016.25
4. Warrant Register dated 08-22-2024 in the amount of $198,984.23
5. Warrant Register dated 08-29-2024 in the amount of $1,413,184.04
6. Wire Transfer Register dated 07-31-2024 in the amount of $20,990.77
7. Payroll Register dated 08-01-2024 in the amount of $286,901.06.

1.4) July 2024 City Treasurers Report

Approved the Treasurer's Report for July 2024.

1.5) Memorandum of Understanding (MOU) with the County of Riverside for Richard St. Improvements

Authorized the City Manager to sign the Memorandum of Understanding (MOU) with the County of Riverside.

1.6) Tri-Party Consultant Service Agreement for "The Bluffs at Hidden Springs" Specific Plan and EIR (PLN 24-0048)

1. Authorized the City Manager to execute a Tri-Party Consultant Services Agreement (Attachment A) between the City of Wildomar, The Bluffs at Hidden Springs, LLC, Inc. and PlaceWorks, Inc. for the preparation of The Bluffs Specific Plan (SP) and Environmental Impact Report (EIR); and

2. Authorized the City Manager to execute a Consultant Services Agreement/Contract between the City of Wildomar and PlaceWorks, Inc. for preparation of a Specific Plan and Environmental Impact Report for the Bluffs at Hidden Springs Project.

1.7) Agreement for Municipal Financial Advisory Services

Authorized the City Manager to execute the Agreement for Services with CSG Advisors, Inc. for Municipal Financial Advisory Services

1.8) FY2024-25 Wildland Fire Protection Agreement

Adopted a Resolution entitled:

RESOLUTION NO. 2024 - 56
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, APPROVING THE AGREEMENT WITH THE DEPARTMENT OF FORESTRY AND FIRE PROTECTION (CAL FIRE) FOR WILDLAND FIRE PROTECTION SERVICES FROM JULY 1, 2024 TO JUNE 30, 2025

1.9) Vacation of an Existing 30-foot Road Easement Lot C located in the Faith Bible Church Project Site (Project No. 19-0179)

Adopted a Resolution entitled:

RESOLUTION NO. 2024 -57
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, SUMMARILY VACATING A 30-FOOT ROAD EASEMENT (LOT “C”) LOCATED IN THE FAITH BIBLE PROJECT SITE, INCLUDING A RESERVATION OF A PUBLIC UTILITY EASEMENT

1.10) First Amendment to Agreement for Services between the City of Wildomar, California, and Gods Fan Club, Dba Project T.O.U.C.H.

Authorized the City Manager to execute Amendment #1 (Attachment A) of the Professional Services Agreement between the City of Wildomar and God's Fan Club, dba Project T.O.U.C.H., to be extended indefinitely.

1.11) Consideration of annual reporting of completed State mandated fire and life safety inspections by the City of Wildomar in compliance with SB 1205 for Fiscal Year 2023-2024

Adopted a Resolution entitled:

RESOLUTION NO. 2024 - 58
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR, CALIFORNIA, ACKNOWLEDGING RECEIPT OF A REPORT MADE BY THE FIRE CHIEF OF THE RIVERSIDE COUNTY FIRE DEPARTMENT REGARDING THE INSPECTION OF CERTAIN OCCUPANCIES REQUIRING ANNUAL INSPECTIONS IN SUCH OCCUPANCIES PURSUANT TO SECTIONS 13145, 13146, and 17921 OF THE CALIFORNIA HEALTH AND SAFETY CODE

1.12) Services Agreement for Human Resources Information System, Electronic Forms, and Performance Evaluation Software with NeoGov, Inc.

Authorized the City Manager to enter into an Agreement with NeoGov, Inc. by way of Order Form and Agreement for human resources information systems (HRIS) software, electronic forms, and performance evaluation software.

Moved by Carlos Marquez; seconded by Joseph Morabito to approve the Consent Calendar.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

2) PUBLIC HEARINGS

2.1) Consideration of Resolution of Necessity for Condemnation of a Portion of Vacant Property Identified by Assessor Parcel Number 362-250-025 for the Clinton Keith Road Widening Project (CIP 025-1)

City Attorney Jex and Public Works Director Farag presented the staff report.

Moved by Carlos Marquez; seconded by Joseph Morabito to
1. Conduct a hearing on the proposed Resolution 2024- 59 of the City of Wildomar finding and determining that the public interest, convenience, and necessity require the acquisition of certain property for public purposes; and

2. Review the evidence presented, including this staff report and public comments, and close the hearing; and

3. Find that on January 13, 2010, in accordance with the California Environmental Quality Act (CEQA) and State CEQA Guidelines §15070, the City Council adopted Resolution 2010-02 certifying a Mitigated Negative Declaration or the Clinton Keith Road Widening Project, and that no additional CEQA findings are required for the Project; and

4. Adopt a Resolution entitled:

RESOLUTION 2024 - 59
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR FINDING AND DETERMINING THAT THE PUBLIC INTEREST, CONVENIENCE AND NECESSITY REQUIRE THE ACQUISITION OF CERTAIN PROPERTY FOR PUBLIC PURPOSES

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

3) GENERAL BUSINESS

There were no items scheduled.

CITY MANAGER REPORT

City Manager York presented the report.

CR&R provided an update on the pilot clean-up voucher program.

FUTURE AGENDA ITEMS

There were no future agenda items added.

ADJOURN THE CITY COUNCIL MEETING

There being no further business, Mayor Moore adjourned the City Council Meeting at 8:24 p.m.

CALL TO ORDER THE WILDOMAR CEMETERY DISTRICT

The Regular Meeting of the Wildomar Cemetery District Meeting was called to order by Chair Moore at 8:25 p.m.

ROLL CALL

Members in attendance: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, and Joseph Morabito

Members absent: Dustin Nigg

PUBLIC COMMENTS

There were no public comments.

BOARD COMMUNICATIONS

There were no board communications.

APPROVAL OF THE AGENDA AS PRESENTED

Moved by Joseph Morabito; seconded by Carlos Marquez to approve the agenda as presented.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

4) CEMETERY CONSENT CALENDAR

4.1) July 10, 2024 - City Council/Cemetery District Regular Minutes

Approved the minutes as presented.

4.2) August 14, 2024 - City Council/Cemetery District Regular Minutes

Approved the minutes as presented.

4.3) August 2024 Cemetery Warrant Register

Approved the following:

For Fiscal Year 2023/20241. Warrant Register dated 08-08-2024 in the amount of $2,977.07.2. Warrant Register dated 08-22-2024 in the amount of $270.00.

For Fiscal Year 2024/20251. Warrant Register dated 08-01-2024 in the amount of $7,905.80.2. Warrant Register dated 08-08-2024 in the amount of $1,214.55.3. Warrant Register dated 08-22-2024 in the amount of $1,659.76.4. Warrant Register dated 08-29-2024 in the amount of $2,763.78.

4.4) July 2024 Cemetery Treasurers Report

Approved the Treasurer's Report for July 2024.

Moved by Carlos Marquez; seconded by Joseph Morabito to approve the Cemetery Consent Calendar.

Motion Approved: 4 - 0

Voting For: Bridgette Moore, Ashlee DePhillippo, Carlos Marquez, Joseph Morabito
Voting Against: None
Abstain: None
Absent: Dustin Nigg

5) CEMETERY PUBLIC HEARINGS

There were no items scheduled.

6) CEMETERY GENERAL BUSINESS

There were no items scheduled.

GENERAL MANAGER REPORT

There was no general manager report.

FUTURE AGENDA ITEMS

There were no future agenda items added.

ADJOURN THE WILDOMAR CEMETERY DISTRICT MEETING

There being no further business, Chair Moore adjourned the Wildomar Cemetery District Meeting at 8:25 p.m.

Submitted by:

Janet Morales, CMC
City Clerk

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 4.2
Meeting Date: October 9, 2024

SUBJECT: September 2024 Cemetery Warrant Register

SUBMITTED BY: Adam Jantz, Finance Manager

PREPARED BY: Adam Jantz, Finance Manager

ACTION:
Approve the following:

For Fiscal Year 2024/2025

1. Warrant Register dated 09-05-2024 in the amount of $124.59.
2. Warrant Register dated 09-12-2024 in the amount of $92.39.

SUMMARY:
September 2024 Cemetery Warrant Register

DISCUSSION:
The Wildomar Cemetery District requires that the Trustees audit payments of demands and direct the General Manager to issue checks. The Warrant Registers are submitted for approval.

FISCAL IMPACT:
These Warrant Registers will have a budgetary impact in the amount and fiscal year noted in the recommendation section of this report. These costs are included in the Fiscal Years 2023/24 and 2024/25 Budgets.

ATTACHMENTS:
September 2024 Cemetery Warrant Register.pdf

Voucher List

09/05/2024 2:18:23PM

City of Wildomar

Bank code : wf

Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
218766	9/5/2024	001720 STERICYCLE, INC	8008175669B		CONTRACTUAL SHREDDING SVC	124.59
					Total :	**124.59**

1 Vouchers for bank code : wf **Bank total : 124.59**

1 Vouchers in this report **Total vouchers : 124.59**

Bank code : wf

Voucher	Date	Vendor	Invoice	PO #	Description/Account	Amount
218785	9/12/2024	000790 SPARKLETTS	18075184-090724		CEMETERY DRINKING WATER THROUGH 09/07/24	92.39
					Total :	**92.39**

1 Vouchers for bank code : wf **Bank total : 92.39**

1 Vouchers in this report **Total vouchers : 92.39**

CITY OF WILDOMAR
CC - REGULAR MEETING
CONSENT CALENDAR
Agenda Staff Report # 4.3
Meeting Date: October 9, 2024

SUBJECT: August 2024 Cemetery Treasurers Report

SUBMITTED BY: Adam Jantz, Finance Manager

PREPARED BY: Adam Jantz, Finance Manager

ACTION:
Staff recommends that the Board of Trustees approve the Treasurer's Report for August 2024.

SUMMARY:
August 2024 Cemetery Treasurer's Report

DISCUSSION:
Attached is the Treasurer's Report for Cash and Investments for the month of August 2024.

Over the month, the Cemetery General Fund and Endowment Fund earned $6,172.80 in interest from investments.

FISCAL IMPACT:
This is only a report of balances for the Cemetery and therefore has no fiscal impact.

ACCOUNT CODE:
300-1011
301-1011

ATTACHMENTS:
August 2024 Cemetery Treasurer's Report.pdf

WILDOMAR CEMETERY DISTRICT
TREASURER'S REPORT FOR
CASH AND INVESTMENT PORTFOLIO

August 2024

DISTRICT INVESTMENT

FUND	ISSUER	BOOK VALUE	FACE VALUE	MARKET VALUE	PERCENT OF PORTFOLIO	DAYS TO MAT.	STATED RATE
301	CAMP POOL	$ 429,724.58	$ 429,724.58	$ 429,724.58	28.16%	N/A	5.410%
300	CAMP MANAGED ACCOUNT	$ 1,050,168.99	$ 1,050,168.99	$ 1,096,283.77	71.84%	880	4.400%
	TOTAL	$ 1,479,893.57	$ 1,479,893.57	$ 1,526,008.35	100.00%		

FUND	ISSUER	BEGINNING BALANCE	+ DEPOSITS/ PURCHASES	+ INTEREST DEPOSITED	WITHDRAWALS/ SALES/ MATURITIES	ENDING BALANCE	STATED RATE
301	CAMP POOL	$ 427,762.75	$ -	$ 1,961.83	$ -	$ 429,724.58	5.410%
300	CAMP MANAGED ACCOUNT	$ 1,045,958.02	$ -	$ 4,210.97	$ -	$ 1,050,168.99	4.400%
	TOTAL	$ 1,473,720.77	$ -	$ 6,172.80	$ -	$ 1,479,893.57	

In compliance with the California Code Section 53646, as City Treasurer for the Wildomar Cemetery District, I hereby certify that sufficient investment liquidity and anticipated revenues are available to meet the District's expenditure requirements for the next six months.

I also certify that this report reflects all Government Agency pooled investments and all of the District's Bank Balances.

Heidi Schrader
Heidi Schrader
City Treasurer

9/16/2024
Date