



City of South Lake Tahoe Planning Commission Meeting Agenda

Thursday, April 18, 2024 at 3:00 pm

City Hall - Council Chambers - 1901 Lisa Maloff Way, South Lake Tahoe

Planning Commission

Natalia Wiczorek, Chair
Gavin Feiger, Vice Chair
Seth Howard, Commissioner
Julia Lucksinger, Commissioner
Jackson Realo, Commissioner

Public Participation

Planning Commission meetings are held in person at the time and location listed on this agenda. Meetings are live-streamed on Channel 21, City website at www.cityofslt.us and via ZOOM at this link: <https://us06web.zoom.us/j/88383996831>.

A public agenda packet is available for review at City Hall, 1901 Lisa Maloff Way, on the City's Website at www.cityofslt.us, or by contacting the City Clerk's Office, (530) 542-6005 or sblankenship@cityofslt.us.

Providing Public Comment:

In Person: Every agenda for regular meetings provides an opportunity for members of the public to directly address the legislative body (Planning Commission), on any item of public interest which is within the jurisdiction of the Planning Commission during Public Communications. For items on the agenda or in connection with any item which the Planning Commission will consider, the public is given the opportunity to comment before or during the Planning Commission's consideration of the item [Government Code Section 54954.3(a)].

By Phone: If you are joining the meeting via ZOOM and would like to make a comment, press the "raise a hand" button. If you are joining the meeting via Channel 21 or live stream and would like to make a comment, please call (530) 542- 6500. The meeting ID is: 883 8399 6831, press *9 to indicate a desire to make a comment. Press *6 to unmute your phone. The Clerk will call you by the last three digits of your phone number when it is your turn to speak.

In Writing: Written comments received by 3 p.m. the day before the meeting will be distributed to Planning Commission prior to the meeting. Written public comment regarding any item on this agenda may be sent to PublicComment@cityofslt.us. When emailing comments, identify the agenda item number in the subject line to which your comments relate. Any such comment that is a public record and is emailed to PublicComment@cityofslt.us or otherwise provided to a majority of the Planning Commission before the meeting will be made available for public inspection during normal business

hours at the City Clerk's Office located at City Hall, 1901 Lisa Maloff Way, South Lake Tahoe [Government Code Section 54957.5(b)]. Written comments will not be read out loud during the meeting.

The City Council Chambers meeting facility is accessible to people with disabilities. Every reasonable effort will be made to accommodate any person needing special assistance to attend this meeting. Contact the City Clerk at (530) 542-6005 at least 48 hours in advance of the meeting for assistance [28 CFR 35.102.35.104 ADA Title II and Brown Act Government Code Sections 54953.2, 54954.1, 54954.2, and 54957.5].

Spanish Interpretations: The public may access Spanish interpretation using the ZOOM link listed on the front of the Agenda from an internet device (smartphone, laptop, tablet, home computer) with audio capabilities and selecting the Spanish language option. Persons without an internet device may attend the meeting in -person and a device will be provided while supplies last. Requests for interpreter services to offer public comment may be made by contacting the City Clerk.

Call to Order/Pledge of Allegiance

Roll Call

Public Communications

This is the public's opportunity to speak on any topic NOT LISTED on this agenda. Comments shall be limited to three (3) minutes. In accordance with the Brown Act, the Planning Commission cannot deliberate or vote on any matter raised under public communications but may briefly respond to statements made or questions posed (Government Code Sections 54954.2).

Consent

Public Comment - This is the public's opportunity to speak on any topic listed on the Consent Agenda. Comments shall be limited to three (3) minutes.

The consent agenda consists of items of a repeating or routine nature considered under a single action. Any Commissioner may have an item on the consent agenda removed and considered separately upon request.

Pass a Motion to adopt the Consent Agenda in one motion except as indicated at each item.

1. Planning Commission Meeting Minutes
Requested Action / Suggested Motions: Pass a Motion to approve the March 21, 2024 Planning Commission meeting minutes.
Responsible Staff Member(s): Yvette Miranda, Administrative Clerk
[03 21 2024 PC Minutes.pdf](#)

Unfinished Business

New Business

2. Request for an Allocation of 1,331 Square Feet of Commercial Floor Area (CFA) from the Environmental Improvement Pool First Round to Basecamp Pizza Company, File #23-164.

Requested Action / Suggested Motions: Pass a Resolution (1) approving the transfer of 1,331 Square Feet of Commercial Floor Area (CFA) to Basecamp Pizza Company for the construction of an outdoor dining patio, and (2) making all findings set forth in the Resolution.

Responsible Staff Member(s): Gretchen Schooleman, Assistant Planner

[01_Staff_Report_BasecampOutdoorDining__23-164_.docx](#)
[02_Approved_Permit_20240314_BasecampOutdoorDining_#23-164.pdf](#)
[03_TRPA_Commercial_Findings_BasecampOutdoorDining_#23-164.pdf](#)
[04_TRPA_IEC_FONSE_BasecampOutdoorDining__23-164.pdf](#)
[05_Plans_BasecampOutdoorDining_#23-164.pdf](#)
[06_Resolution_24-XX_BasecampOutdoorDining__23-164__1_.docx](#)
[07_CityPermit_BasecampOutdoorDining__23-164.docx](#)

3.

Bijou Park Connector Multi-Use Trail Project at Bijou Community Park, File #24-032

Requested Action / Suggested Motions: Pass a Resolution finding the proposed project is categorically exempt from CEQA pursuant to Section 15301, Class 1, Existing Facilities, and Section 15304, Class 4, Minor Alterations to land, and approve Design Review Permit #24-032.

CEQA Determination: This proposed project is categorically exempt from CEQA under Section 15301 (Class 1) exemption for Existing Facilities, which exempts minor alteration of existing public facilities involving negligible or no expansion of existing use and section 15304 (Class 4) Minor Alterations to land, including grading on land with a slope of less than ten percent and the creation of bicycle lanes on existing right-of-way. As required by the federal funding and for the TRPA EIP permit, NEPA and an associated TRPA IEC will be completed for those concurrent requirements.

Responsible Staff Member(s): Gretchen Schooleman, Assistant Planner

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[02_PathDesignOptions_#24-032.pdf](#)
[03_BijouConnectorProjectSurveyResults_#24-032.pdf](#)
[04_UpdatedSegment_Johnson_Driveway_#24-032.pdf](#)
[05_BijouTrailConnector_CityPermit_#24-032.docx](#)
[06_Resolution_2024-XX_24-032.docx](#)
[07_Proof_Of_Mailing_20240405.pdf](#)
[08_PlanningCommission_Presentation.pptx](#)

4.

Consideration of Special Use Permit for Charter Communications, File #22-067

Requested Action / Suggested Motions: Pass a Resolution finding (1) the proposed project to be categorically exempt from CEQA under Section 15269, Emergency Projects and Section 15301, Class 1, Existing Facilities, (2) making all additional findings listed in the Resolution, and (3) approving Special Use Permit #22-067 to legalize all existing transmission and receiving facilities in the public right of way owned and operated by Charter Communications.

CEQA Determination: This project is categorically exempt from CEQA under Section 15269, Emergency Projects, and Section 15301, Class 1, Existing Facilities.

Responsible Staff Member(s): Anna Kashuba, Senior Planner

[01-Staff_Report_22-067.docx](#)
[02-Design Drawings.pdf](#)
[03-Resolution_22-067.docx](#)
[04-CSLTPermit_22-067.docx](#)
[05-NOE.pdf](#)
[06-Locations.pdf](#)
[07-Existing Equipment.pdf](#)
[08-Tribune Notice.pdf](#)

Updates and Announcements - City Staff

Planning Commissioner Reports and Comments

Adjournment

I, Yvette Miranda, Administrative Clerk for the City of South Lake Tahoe, declare that the foregoing agenda for the Thursday, April 18, 2024 meeting of the City of South Lake Tahoe Planning Commission

was posted and available for review on April 11, 2024, at City Hall - 1901 Lisa Maloff Way, South Lake Tahoe, CA 96150. The agenda was also available on the city website at <https://www.cityofslt.us/>.
Signed April 11, 2024

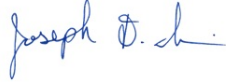
Yvette Miranda, Administrative Clerk

Note: The decision of the Planning Commission to approve a design review permit or grant a use permit or a variance may be appealed to the City Council. This appeal shall be filed with the City Clerk within fifteen (15) days from the date of the decision and requires a payment of applicable fees.

City of South Lake Tahoe

Agenda Item Executive Summary

Joe Irvin, City Manager



Meeting Date: April 18, 2024

Agenda Item #: 1



Agenda Item: Planning Commission Meeting Minutes

Requested Action / Suggested Motions: Pass a Motion to approve the March 21, 2024 Planning Commission meeting minutes.

Responsible Staff Member: Yvette Miranda, Administrative Clerk

Reviewed and Approved By: Susan Blankenship, City Clerk

Attachments:

[03 21 2024 PC Minutes.pdf](#)



City of South Lake Tahoe Planning Commission Meeting Minutes

Thursday, March 21, 2024 at 3:00 PM

City Hall - Council Chambers - 1901 Lisa Maloff Way, South Lake Tahoe

NOTE: The Meeting Minutes represent actions taken during the meeting of the Planning Commission. Complete Commissioner discussions on Regular Session meeting items can be viewed in archived video recordings on the City's website at <http://www.cityofslt.us>.

Call to Order/Pledge of Allegiance

At 3:01 p.m. Chair Wieczorek called the meeting to order. Wieczorek then led the pledge of allegiance to the flag.

Roll Call

Present were Chair Wieczorek, Commissioners Feiger, Howard, Lucksinger, and Realo.

Also present were Director of Development Services Thomas, Assistant City Attorney Bardzell, and City Clerk Blankenship.

Public Communications

None.

Consent

Action: Moved/Seconded: Howard/Feiger

Yes: Wieczorek, Feiger, Howard, Lucksinger, Realo

Action: Passed Consent Agenda

1. **Planning Commission Meeting Minutes**

Action: Passed **Motion 2024-002** approving the February 22, 2024 Planning Commission meeting minutes.

Unfinished Business

2. **Tourist Core Area Plan/Specific Plan Amendments and Initial Study/Mitigated Negative Declaration Adoption**

Note: Commissioners Feiger and Realo recused themselves from this item due to employment conflicts and left the meeting.

Ex parte communications: Commissioner Howard disclosed a conversation with Nick Exline, applicant, on either March 11 or 12, 2024, with questions regarding allocations. Commissioner Lucksinger disclosed an email received from Nick Exline on March 11, 2024, regarding a general overview of the project and was offered a site visit, Commissioner Lucksinger did not respond.

Action: Moved/Seconded: Howard/Wieczorek

Yes: Wieczorek, Howard, Lucksinger

Absent (recused): Feiger, Realo

Action: Passed **Resolution 2024-005** adopting the Tourist Core Area Plan/Specific Plan Initial

Study/Mitigated Negative Declaration and passed **Resolution 2024-006** recommending the City Council adopt the proposed Tourist Core Area Plan/Specific Plan Amendments.

The following persons addressed the Commission:

1. Nick Exline, Exline and Company Inc *presentation distributed to Commissioners
2. Michael Wischmeyer, property owner

Written Public Comment was received from the following persons:

1. Feldman Thiel LLP

3. Approval of Final Design to Fulfill Design Review/Special Use Permit for the Tahoe Valley Stormwater and Greenbelt Improvement Project, File #18-807

Action: Moved/Seconded: Lucksinger/Realo

Yes: Wieczorek, Feiger, Howard, Lucksinger, Realo

Action: Passed **Resolution 2024-007** approving the final design plans for Phase 2 of the Tahoe Valley Stormwater and Greenbelt Improvement Project to fulfill the Design Review/Special Use Permit.

New Business

4. Consideration of a Special Use Permit for Golf 247 Club LLC, 589 Tahoe Keys Boulevard, APN: 022-210-030, File # 24-019

Action: Moved/Seconded: Howard/Wieczorek

Yes: Wieczorek, Feiger, Howard, Lucksinger, Realo

Action: Passed **Resolution 2024-008** finding 1) the proposed project is categorically exempt from CEQA pursuant to Section 15303, Class 3, New Construction or Conversion of Small Structure, and Section 15332, Class 32, Infill Projects, 2) finding the proposed project would not have an effect on the environment and approve a TRPA Finding of No Significant Effect (FONSE), and 3) approving the City and TRPA Special Use Permit #24-019.

The following person addressed the Commission:

1. Edward Johns, CEO

5. Plan Revision, Special Use Permit, and Variance for The Landing at Tahoe Resort, 4104 Lakeshore Boulevard, File # 23-174

Note: Staff provided PowerPoint presentation, and noted "rear yard" was missing from the action language.

Action: Moved/Seconded: Wieczorek/Feiger

Yes: Wieczorek, Feiger, Howard, Lucksinger, Realo

Action: Passed **Resolution 2024-009** finding the proposed project is 1) exempt from CEQA pursuant to Section 15303, Class 3 new construction, and Section 15332, Class 32, which consists of projects characterized as in-fill development; 2) grant a use permit to reduce the parking space requirement to 94 onsite parking spaces; 3) grant a variance to allow encroachment into the side yard, **rear yard**, front yard, and Azure Avenue side street setbacks, 4) approving City Permit #23-174 and adding **the condition to require the permittee to relocate the proposed trash enclosure outside of the rear yard setback**; and 5) make all other findings set forth in the Resolution.

The following person addressed the Commission:

1. Cody O'Kelly, applicant representative

Public Comment was heard from the following people:

1. Patricia Suda Merrikh *written comment also distributed
2. Lew Feldman, applicant representative

Updates and Announcements - City Staff

John Hitchcock, Planning Manager:

1. Next Planning Commission meeting on April 18, 2024

Planning Commissioner Reports and Comments

None.

Adjournment

At 4:15 p.m. Chair Wieczorek adjourned the meeting.

Natalia Wieczorek, Chair

Date

Attest:

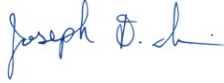
Susan Blankenship, City Clerk

The presence of electronic signature certifies that the foregoing is a true and correct copy as approved by the South Lake Tahoe Planning Commission.

City of South Lake Tahoe

Agenda Item Executive Summary

Joe Irvin, City Manager



Meeting Date: April 18, 2024

Agenda Item #: 2



Agenda Item:

Request for an Allocation of 1,331 Square Feet of Commercial Floor Area (CFA) from the Environmental Improvement Pool First Round to Basecamp Pizza Company, File #23-164.

Executive Summary: Trans Sierra Investments submitted a request to the City to purchase 1,331 square feet of Commercial Floor Area (CFA) in order to construct a deck over the existing paver walkway that has historically been used for outdoor dining at Basecamp Pizza Co. located at 1001 Heavenly Village Way, Suite 25 A & B. The project is located in the Tourist Core Area Plan Tourist Center Core District. The proposed use of food and beverage expansion of commercial floor area space is an allowed use in the Tourist Core Area Plan List of Permissible Uses. Resolution 23-051 delegates to the City Manager the authority to approve or deny the request of allocation of CFA. On February 21, 2024, the City manager approved the request of 1,331 Square Feet of CFA to Basecamp Pizza Co.

Requested Action / Suggested Motions: Pass a Resolution (1) approving the transfer of 1,331 Square Feet of Commercial Floor Area (CFA) to Basecamp Pizza Company for the construction of an outdoor dining patio, and (2) making all findings set forth in the Resolution.

Responsible Staff Member: Gretchen Schooleman, Assistant Planner

Reviewed and Approved By: Zachary Thomas, Director of Development Services

Attachments:

- [01_Staff_Report_BasecampOutdoorDining__23-164_.docx](#)
- [02_Approved_Permit_20240314_BasecampOutdoorDining_#23-164.pdf](#)
- [03_TRPA_Commercial_Findings_BasecampOutdoorDining_#23-164.pdf](#)
- [04_TRPA_IEC_FONSE_BasecampOutdoorDining__23-164.pdf](#)
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- [06_Resolution_24-XX_BasecampOutdoorDining__23-164__1_.docx](#)
- [07_CityPermit_BasecampOutdoorDining__23-164.docx](#)



City of South Lake Tahoe

Report to Planning Commission

Meeting Date: April 18, 2024

Title: Request for an Allocation of 1,331 Square Feet of Commercial Floor Area (CFA) from the Environmental Improvement Pool First Round to Basecamp Pizza Company, File #23-164

Location: 1001 Heavenly Village Way, Suite 25 A&B, APN 029-470-016

Responsible Staff Members: Gretchen Schooleman, Assistant Planner

BACKGROUND:

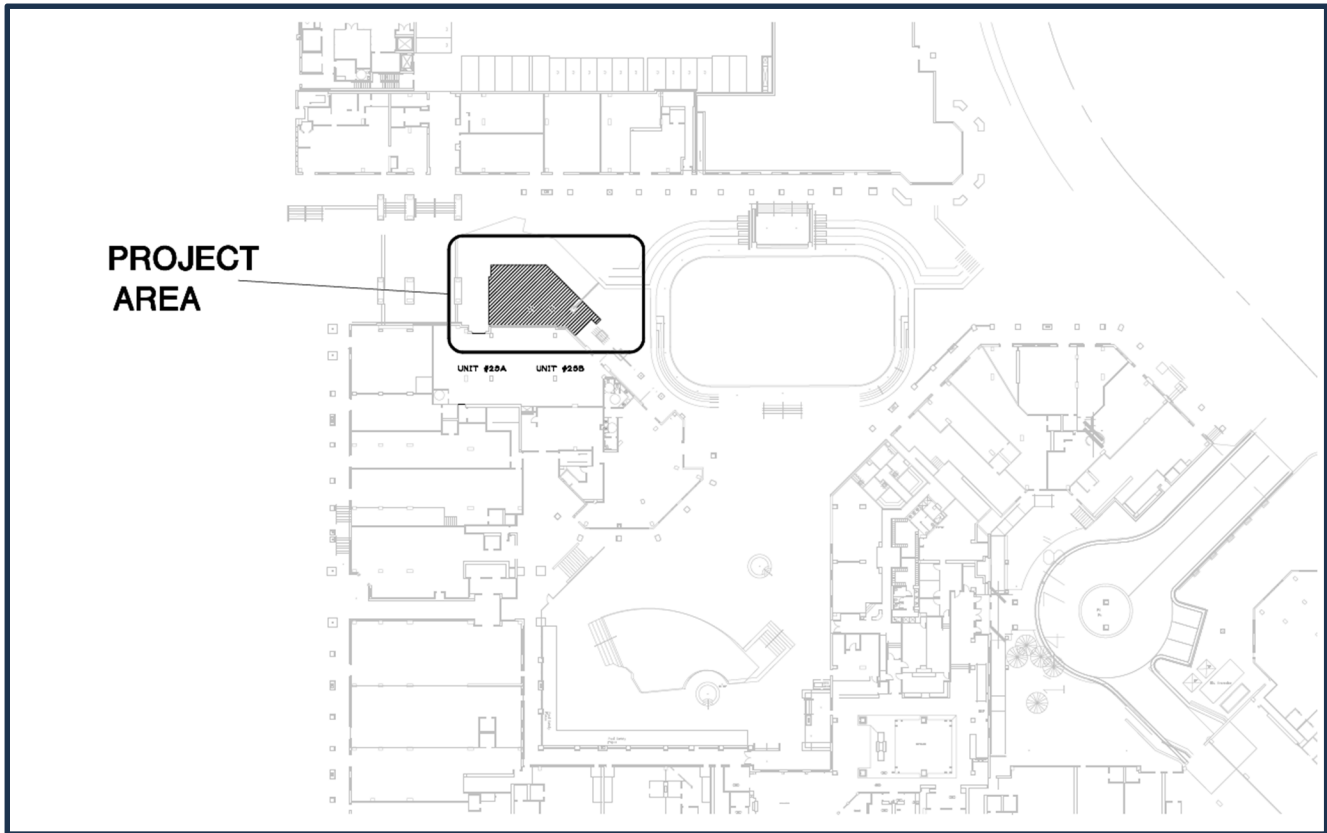
On December 8, 2023, Trans Sierra Investments, Gary Casteel, represented by Susan Simon of Simon Environmental Planning submitted a minor design review application to the City of South Lake Tahoe proposing the construction of an outdoor deck at the Basecamp Restaurant at Heavenly Village, 1001 Heavenly Village Way, Suite 25A & B. The deck will be built over an existing paved walkway that has historically been used for outdoor dining. Construction includes building a retaining wall, backfilling the interior of the wall with Styrofoam with a layer of sand on top, and installing pavers over the sand. Minor design review applications are reviewed and permitted at staff level.

The project is located in the Tourist Core Area Plan Tourist Center Core District. The proposed use of food and beverage expansion of commercial floor area space is an allowed use in the Tourist Core Area Plan List of Permissible Uses.

ISSUE AND DISCUSSION:

Outdoor dining, as defined by TRPA, is considered commercial floor area, and pursuant to Section 50.6.1 of the TRPA Code of Ordinance, no person shall construct a project or commence a use that creates additional commercial floor area without first receiving an allocation approved by TRPA or the City or obtaining necessary development rights for the expansion.

Trans Sierra Investments submitted a request to the City to purchase 1,331 square feet of CFA in order to construct a deck over the existing paver walkway that has historically been used for outdoor dining at Basecamp Pizza Co. located at 1001 Heavenly Village Way, Suite 25 A & B (see Location Map below).



Pursuant to City Council Resolution 23-051, the City provides CFA at a discounted rate for projects that meet the following criteria:

1. The subject property is located in the City of South Lake Tahoe.
2. The applicant has a planning or building application on file with the Development Services Department.
3. The proposed project provides an environmental and/or economic benefit for the community.

Resolution 23-051 also delegates the authority to approve or deny the request to the City Manager. On February 21, 2024, the City manager has reviewed and approved the request. See attachment 02.

Pursuant to TRPA Code of Ordinances Section 2.2.2.C.2, the transfer of CFA of less than 3,000 square feet requires the approval of the Planning Commission acting on behalf of the TRPA Hearings Officer.

FINDINGS:

City of South Lake Tahoe General Plan

The allocation of CFA is consistent with the following General Plan policies.

Policy LU-2.1: Community Plan Redevelopment, Expansion, and Upgrade: The City shall encourage public and private investment in the expansion and upgrade of commercial and tourist accommodation projects within the Tahoe Valley, Bijou/Al Tahoe, and Stateline/Ski Run community plan areas and use appropriate financing tools, such as redevelopment, to achieve economic and land use goals, as determined proper to achieve this objective.

Policy LU-2.4: Stateline/Ski Run Community Plan Area: The City shall reinforce the Stateline/Ski Run Community Plan area as the primary visitor and tourist district in South Lake Tahoe.

Policy LU-2.8: Community Plan Incentives: The City shall provide permit streamlining, commodity increases, coverage increases, and other similar incentives to encourage implementation of General Plan goals and policies.

Policy LU-5.3: Commercial Center Enhancement: The City shall encourage the upgrade and/or expansion of existing commercial centers, including: improvements to parking and landscaping areas; redesigns to accommodate bicycles, pedestrians, and transit facilities; and remodeling to include "green" technology and improve energy efficiency.

Transferring CFAs to Basecamp Pizza Company's existing outdoor dining area in Heavenly Village for the construction of a deck aligns with city policies by fostering private investment and redevelopment, particularly in the Stateline/Ski Run Community Plan area. The deck construction enhances the area's appeal as a primary tourist district, increasing attractiveness to dining options. Additionally, it contributes to the upgrade of commercial centers, promoting accessibility and environmental sustainability. Overall, the project supports economic growth, tourism, and community improvement policies outlined in the South Lake Tahoe General Plan.

Tourist Core Area Plan

The allocation of CFA is consistent with the following Tourist Core Area Plan policies:

Goal LU-1 Land Use: Continue to shape the Tourist Core into a pedestrian-oriented destination center for tourists and permanent residents that provide high quality services, accommodations, and recreational experiences.

Policy LU-1.4: Policy LU-1.4 Animated streets allowing uses such as retail, entertainment, special events, outdoor dining and seating, oriented towards the sidewalk.

Policy LU-1.5: Continue to promote a vibrant pedestrian-oriented center that includes retail, entertainment, tourist accommodation and residential uses, and community activity centers such as a public plaza that serves the needs of visitors and residents.

The allocation is consistent with the Tourist Core Area Plan program to provide incentives to property owners and local governments to implement improvements in the Tourist Core and support the attainment of TRPA's Thresholds.

Projects eligible for an allocation of CFA from the City's CFA pools must meet the following criteria:

1. Be within an adopted community plan area,
2. Meet the criteria for CFA allocations required by the applicable community plan,
3. Meet all applicable design standards,
4. Include the construction of improvements that will benefit the public and community, which are more extensive than required by the applicable community plan or City Code; and
5. Provide an economic benefit to the community with enough significance to merit the allocation of the City's CFA resource.

Basecamp Pizza Company is located within the Stateline/Ski Run Community Plan Area and meets all applicable design standards put forth in this Plan Area. The proposed project would result in the development of an elevated deck that will be used for outdoor dining. The current outdoor dining area is located on a sloped paved surface, and the improvements would create a flat area for staff and customers to partake in commercial business that would provide direct economic benefit by creating a safer working environment, an attractive dining experience, and generating sales tax revenue. For these reasons, the allocation of CFAs from the City's pool to Basecamp Pizza Company would be consistent with criteria 1, 2, 3, 4, 5 above. The project aligns with Policy LU-1.4 and Policy LU-1.5 to animate the streetscape by improving the outdoor dining area as well as the Tourist Core Area Plan vision statement that explicitly mentions outdoor dining as a priority to create a sustainable outdoor tourism recreational destination.

Based on the factors listed above, the proposed project is consistent with the Tourist Core Area Plan allocation policy and merits an allocation of CFA.

ENVIRONMENTAL ANALYSIS:

California Environmental Quality Act

This proposed expansion of outdoor dining is categorically exempt from CEQA under Section 15303, Class 3, New Construction or Conversion of Small Structures where only minor modifications are made in the exterior of the structure.

The allocation of CFA is an administrative action by the City and is not considered a "Project" as defined in CEQA California Environmental Quality Act, Statute & Guidelines (CEQA) Section 15378 and will not result in a direct or reasonably foreseeable indirect physical change in the environment pursuant to Section 15060.

Tahoe Regional Planning Agency

The applicant has prepared a TRPA Initial Environmental Checklist and staff has reviewed and determined the project to not have a significant effect on the environment and a Finding of No Significant Effect has been prepared. See attachment 04.

FINANCIAL IMPLICATIONS:

The City currently holds 2,664 square feet of CFA in the EIP CFA Pool First Round Pool. Allocating CFA to the proposed outdoor dining project will reduce the amount available for future projects. With approval of this allocation, 1,333 square feet will remain in the EIP Pool First Round Pool. Although the project will reduce the amount of CFA available for future projects, the CFA from the pool was intended to support projects in the Tourist Core Area Plan that assist the construction of improvements that will benefit the public and community.

Pursuant to City Council Resolution 2023-028, the CFA is sold at a discounted rate of \$8.33 per square foot, generating \$11,087.23 in revenue for the City Housing Program.

POLICY IMPLICATIONS:

The sale of CFA to a private developer is consistent with adopted City Council Resolutions to dispose of City-owned development rights to incentivize revitalization and expand existing businesses. It is also consistent with the City Council Strategic Plan Diversification Strategy to develop an economic development strategy that supports the City in the implementation of a strong, resilient, and diverse economy.



Date: February 21, 2024

To: Joseph D. Irvin, City Manager

From: John Hitchcock, Planning Manager

REQUEST FOR A COMMERCIAL FLOOR AREA FOR THE CONSTRUCTION OF AN OUTDOOR DINING PATIO AT BASECAMP PIZZA.

The City of South Lake Tahoe has received a request from Gary Casteel is requesting 1,331 square feet of commercial floor area to construct an outdoor dining patio for Basecamp Pizza located at 1001 Heavenly Village Way, APN 029-470-016.

Development Services staff has reviewed the request and found that it is consistent with the distribution policies of City Council Resolution 2023-051, 1) The subject parcel is located in the City of South Lake Tahoe, 2) the applicant has a building application on file with the Development Service Department, and 3) the proposed project would provide environmental and economic benefits to the community by expanding dining options in the tourist core and providing sales tax revenue to the City of South Lake Tahoe.

Development Services staff is recommending the request is approved.

Please do not hesitate to contact me if you need any additional information.



**CITY OF SOUTH LAKE TAHOE
Commercial Floor Area**

Project Name: Basecamp Pizza Outdoor Dining Patio
Property Owner(s): City of South Lake Tahoe
Receiving Parcel: 029-470-016
Development Right: Commercial Floor Area
Amount: 1,331 sf x \$8.33 = \$11,087.23

The request for development commodities noted above is found to be consistent with City Council Resolution 2023-051 and hereby approved subject to the following conditions.

CONDITIONS OF APPROVAL


- 1) Any change to an approved project may result in the revocation of development rights. The development rights shall be returned to the City.
- 2) The development rights shall only be used to construct an outdoor dining patio.
- 3) A developer/applicant/property owner shall have one (1) year from the approval date below to submit and obtain a building permit, issued through the City. If this milestone is unachievable, the applicant may apply for an extension or relinquish the City granted development rights. One, one-year extension for the retention of approved development rights may be granted by the City Manager, based on the project continuing to meet the distribution policy and proceeding in a diligent manner, or relinquish the City granted development rights.
- 4) If any of the associated City Planning, Building and/or TRPA permits expire, the assigned development rights shall be returned to the City.
- 5) Should the project parcel(s) change ownership, the development right may be transferred to a new owner so long as the project is constructed as approved. Any change to an approved project (e.g., elevations, building siting, interior configuration) may result in the revocation of prior reservation and/or assignment of development rights.
- 6) Should an approved residential project choose to subdivide the land (pursuant to the Subdivision Map Act), all previously required deed restrictions will remain in force, or the developer shall reimburse the City the full market rate for said development rights at the time of subdivision.
- 7) The property owner shall acknowledge this permit and the conditions contained within by satisfying all conditions of approval and signing below.

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CITY APPROVAL: Having made the finding that the request is consistent with City Council Resolution 2023-051, the City approves the distribution of development rights, subject to conditions of approval.



Joseph D. Irvin, City Manager



Date

PERMITTEE'S ACCEPTANCE: I have read the permit and the conditions of approval and understand and accept them. I also understand that I am responsible for compliance with all the conditions of the permit and responsible for agents' and employees' compliance with the permit conditions. I understand that it is my sole responsibility to obtain any and all required approvals from any other state, local or federal agencies that may have jurisdiction over this project whether or not they are listed in this permit.



Gary B. Casteel, Jr.



Date

TRPA Findings

Chapter 2: Buildings Damaged or Destroyed by Fire or Similar Calamity

Finding 2.2.3.C Buildings Damaged or Destroyed by Fire or Other Similar Calamity Buildings damaged or destroyed by fire or other similar calamity may be repaired or rebuilt, except as prescribed by Chapter 35: Natural Hazard Standards, in areas of identified avalanche or mass instability danger, and except as set forth in Chapters 80-86, inclusive, in the shorezone, with no requirement for excess coverage mitigation or height reduction, by fee or otherwise. Repair or reconstruction shall be in substantial conformance with the original structure, with no increase in floor area, land coverage, height, or volume.

Rationale: N/A.

Chapter 3: Environmental Documentation

Finding 3.2.2.A. The proposed project could not have a significant effect on the environment and a finding of no significant effect shall be prepared in accordance with Rules of Procedure Section 6.6.

Finding 3.2.2.B. The project could have a significant effect on the environment but, due to the listed mitigation measures that have been added to the project, the project could have no significant effect on the environment and a mitigated findings of no significant effect shall be prepared in accordance with Rules of Procedure Section 6.7

Finding 3.2.2.C. The proposed project may have a significant effect on the environment and an environmental impact statement shall be prepared in accordance with this chapter and Rules of Procedure, Article 6.

Rationale: The proposed project is construction of deck over an existing sidewalk which historically has been used as an outdoor seating area for Basecamp Restaurant. As it is already existing, the proposed project could not have a significant effect on the environment.

Chapter 4: Required Findings

Finding 4.4.1.A: The project is consistent with and will not adversely affect implementation of the Regional Plan, including all applicable Goals and Policies, plan area statements and maps, the Code, and other TRPA plans and programs;

Rationale: The proposal is for the construction of a deck over existing concrete which has historically and will continue to be used as outside dining for the Basecamp restaurant. The project is located within Heavenly Village which is in the Tourist Core Area Plan, Tourist Center (TSC-C) where the permissible use list includes Eating and Drinking Places as an allowed use. As a condition of project approval the applicant will install TRPA permanent BMPs. The project is compatible with the other commercial uses within the Heavenly Village Center.

Finding 4.4.1.B: project will not cause the environmental threshold carrying capacities to be exceeded; and

Rationale: The project will not cause the environmental thresholds to be exceeded. It has been designed to comply with TRPA Code site development standards to ensure threshold attainment and maintenance.

Finding 4.4.1.C: Wherever federal, state, or local air and water quality standards apply for the region, the strictest standards shall be attained, maintained, or exceeded pursuant to Article V(d) of the Tahoe Regional Planning Compact.

Rationale: Refer to findings 1 and 2 above.

Chapter 21: Permissible uses

Finding 21.2.2.A: The project to which the use pertains is of such a nature, scale, density, intensity, and type to be an appropriate use for the parcel on which and surrounding area in which it will be located;

Finding 21.2.2.B: The project to which the use pertains will not be injurious or disturbing to the health, safety, enjoyment of property, or general welfare of persons or property in the neighborhood, or general welfare of the region, and the applicant has taken reasonable steps to protect against any such injury and to protect the land, water, and

air resources of both the applicant's property and that of surrounding property owners;
and

Finding 21.1.1.C: The project to which the use pertains will not change the character of the neighborhood, or detrimentally affect or alter the purpose of the applicable planning area statement, community plan, and specific or master plan, as the case may be.

Rationale: N/A. This is not a Special Use. According to the permissible use list, Eating and Drinking Places are an allowed use.

21.5.2. Nonconforming Uses

Finding 21.5.2.C: Uses identified as nonconforming shall not be expanded intensified beyond the use existing on the effective date of the Regional Plan. A nonconforming use may not be changed unless the new use conforms to the use regulations set forth in the Code. Expansions of structures containing a nonconforming use shall not be permitted. Modifications may be permitted only when TRPA finds that the modifications do not increase the extent of nonconformity. Such approval shall occur through direct TRPA review, through the conformance review process for Area Plans, or through Memoranda of Understanding with public agencies.

Rationale: N/A. This is not a nonconforming use.

Chapter 30: Land Coverage

30.4.4. Relocation of TRPA-Verified Existing Land Coverage

Finding 30.4.4.A: The relocation is to an equal or superior portion of the parcel or project area, as determined by references to the following factors:

1. Whether the area of relocation already has been disturbed.
2. The slope of and natural vegetation on the area of relocation.
3. The fragility of the soil on the area of relocation.
4. Whether the area of relocation appropriately fits the scheme of use of the property.
5. The relocation does not further encroach into a stream environment zone, backshore, or the setbacks established in the Code for the protection of stream environment zones or backshore.
6. The project otherwise complies with the land coverage mitigation program set forth in section 30.6.

Rationale: N/A. This project does not involve any relocation of coverage.

Finding 30.4.4.B: The area from which the land coverage was removed for relocation is restored in accordance with subsection 30.5.3.

Rationale: N/A. This project does not involve any relocation of coverage.

Finding 30.4.4.C: The relocation is not to Land Capability Districts 1a, 1b, 1c, 2, or 3, from any higher numbered land capability district.

Rationale: N/A. This project does not involve any relocation of coverage.

Finding 30.4.4.D.1: If the relocation is from one portion of a stream environment zone to another portion, there is a net environmental benefit to the stream environment zone.

Rationale: N/A. There is no SEZ on the parcel.

Finding 30.4.4.D.2: Retirement of land coverage the affected stream environment zone in the amount of 1.5:1 of the amount of land coverage being relocated within a stream environment zone; or

Rationale. N/A. There is no SEZ on this parcel.

Finding 30.4.4.D.3: For projects involving the relocation of more than 1,000 square feet of land coverage within a stream environment zone, a finding, based on a report prepared by a qualified professional, that the relocation will improve the functioning of the stream environment zone and will not negatively affect the quality of existing habitats.

Rationale: N/A. There is no SEZ on the parcel and no coverage is being relocated.

30.5.2. Exceptions to Prohibition in Land Capability District 1b (Stream Environment Zone)

Finding 30.5.2.A.: Stream Crossings. Land coverage and disturbance for projects to provide access across stream environment zones to otherwise buildable sites, if such projects otherwise comply with applicable development standards in Chapter 32: Basic Services, may be permitted in Land Capability District 1b (Stream Environment Zone) if TRPA finds that:

1. There is no reasonable alternative, including relocation, that avoids or reduces the extent of encroachment, in the stream environment zone, or that encroachment shall be necessary to reach the building site recommended by IPES; and
2. The impacts of the land coverage and disturbance are fully mitigated in the manner set forth in subparagraph 30.5.1.B.5, with the exception that the restoration requirement in such subsection shall apply exclusively to stream environment zone lands and shall include coverage and disturbance within the permitted Bailey coefficients.

Rationale: N/A.

30.6 Excess Land Coverage Mitigation Program

Finding 30.6.1.B.5. Projects within Community Plans

Projects that are located within an adopted community plan may rely on the community plan to mitigate excess land coverage provided TRPA makes findings a and b, below. In lieu of findings a and b being made, TRPA may determine that a project complies with the requirements of this subparagraph by making finding c, below:

- a. The project is located within an area for which a community plan, as originally adopted or subsequently amended, includes a program to mitigate the excess land coverage within the area. Such a program shall ensure that coverage mitigation, when measured for individual parcels affected by the program, meets the standards set forth in subparagraphs 30.6.1.A through C. The options available for mitigating excess land coverage under any such

- program shall be any combination of those options set forth in subparagraphs 1,2,3, or 4 above.
- b. There is an irrevocable commitment for the funding necessary to implement the program for mitigating excess land coverage. For purposes of this subparagraph, “irrevocable commitment” shall mean the following:
- i. The public entity funding the measure or, when necessary, the electorate has made all discretionary decisions required for the issuance of the bonded indebtedness under applicable state law and that only ministerial acts necessary to the issuance of any such bonded indebtedness and the receipt of funds therefrom remain to be completed. Any such funds shall be finally committed to, and available for, expenditure;
 - ii. The application for state and federal grant monies has received approval, and such grant monies are included in a duly enacted state budget or a legislative appropriation or federal authorization and appropriation. Any such funds shall be finally committed to, and available for, expenditure for the excess land coverage mitigation program in accordance with the approved community plan;
 - iii. Where the funding of the program is the responsibility of a person or persons, TRPA shall ensure that the public entity has received sufficient funds or an acceptable security to fully fund the program;
 - iv. The public entity funding the program has received a funded commitment from another public entity as described in a or b above; or
 - v. Any combination of (i) through (iv) above.
- c. As a condition of approval, the permittee for the project shall post a security with TRPA, in accordance with Section 5.9 in the amount equal to the excess coverage mitigation fee otherwise required under Section 30.6. If a program to mitigate excess land coverage within the community plan has not been adopted by TRPA and an irrevocable commitment made by the time of final inspection of the project by TRPA, or three years after commencement of construction, whichever is sooner, the security shall be forfeited to TRPA. Securities forfeited to TRPA under this subparagraph shall be forwarded to a land bank to provide land coverage reduction.

Rationale: N/A.

Chapter 33: Grading and Construction

33.3.6. Excavation Limitations

Finding 33.3.6.2: TRPA may approve exceptions to the prohibition of groundwater interception or interference if TRPA finds that:

- a. Excavation is required by the International Building Code (IBC) or local building code for minimum depth below natural ground for above ground structures;
- b. Retaining walls are necessary to stabilize an existing unstable cut or fill slope;
- c. Drainage structures are necessary to protect the structural integrity of an existing structure;
- d. It is necessary for the public safety and health;
- e. It is necessary measure for the protection or improvement of water quality;
- f. It is for a water well;
- g. There are no feasible alternatives for locating mechanical equipment, and measures are included in the project to prevent groundwater from leaving the project area as surface flow, and any groundwater that is interfered with is rerouted in the ground water flow to avoid adverse impacts to riparian vegetation.
- h. It is necessary to provide two off-street parking spaces, there is no less environmentally harmful alternative, and measures are taken to prevent groundwater from leaving the project area as surface flow;
- i. It is necessary to provide below grade parking for projects that qualify for additional height under subsection 37.5.4 or 37.5.9 to achieve environmental goals, including scenic improvements, land coverage reduction, and area-wide drainage systems., Measures shall also be included in the project to prevent ground water from leaving the project area surface flow and that any groundwater that is interfered with is rerouted into the groundwater flow to avoid adverse impacts to hydrologic conditions, SEZ vegetation and mature trees; or
- j. It is necessary for a marina expansion approved pursuant to Chapter 14: *Specific and Master Plans*; and the environmental documentation demonstrates that there will be no adverse effect on water quality.

Rationale: N/A. No excavation is required to implement this project.

Chapter 35: Natural Hazard Standards

35.5.4.2. Prohibition of Additional Development, Grading and filing of Lands Within the 100-Year Floodplain

Finding 35.4.2.C. Floodplain Crossing

TRPA may permit projects to effect access across a 100-year floodplain to otherwise buildable sites if such projects comply with applicable development standards in Chapter 32: *Basic Services*, and if TRPA finds that:

1. There is no reasonable alternative that avoids or reduces the extent of encroachment in floodplain; and
2. The impacts on the floodplain are minimized.

Rationale: N/A.

Chapter 37: Height

37.5 Additional Height for Certain Buildings

Finding 37.5.2. Additional Building Height for Public Service, Tourist Accommodation, and Certain Recreation Buildings

TRPA may approve building heights greater than those set forth in Section 37.4 for buildings whose primary use is public service, tourist accommodation, or certain recreation uses as follows:

Finding 1: When viewed from major arterials, scenic turnouts, public recreation areas or the waters of Lake Tahoe, from a distance of 300 feet, the additional height will not cause a building to extend above the forest canopy, when present, or a ridgeline. For height greater than that set forth in Table 37.4.1-1 for a 5:12 roof pitch, the additional height shall not increase the visual magnitude beyond that permitted for structures in the shoreland as set forth in subsection 66.3.7. Additional Visual magnitude, or Appendix H, Visual Assessment Tool, of the Design Review Guidelines

Finding 2: When outside a community plan, the additional height is consistent with the surrounding uses.

Finding 3: With respect to that portion of the building that is permitted the additional height the building has been designed to minimize interference with existing views within the area to the extent practicable.

Finding 4: The function of the structure requires a greater maximum height than otherwise provided for in this chapter.

Rationale: N/A.

Finding 37.5.3. Additional Height for Tourist Accommodation Buildings Within Community Plan Areas

In addition to the provisions set forth in subsection 37.5.2, TRPA may approve building heights greater than those set forth in Section 37.4 for buildings whose primary use is tourist accommodation and that are located within an approved community plan as set forth in Chapter 12: *Community Plans*. The maximum heights specified in Table 37.4.1-1 may be increase up to maximum height of 48 feet in accordance with the following provisions, if TRPA makes finding 1,2,3 and 6 in Section 37.7.

Rationale: N/A.

Finding 37.5.4. Additional Building Height for Special Height Districts

TRPA may designate special height districts as specified below. These special height districts shall be limited to areas that are within both a TRPA adopted redevelopment plan and a TRPA adopted community plan. The boundaries of the special height districts and special standards for the district shall be included in the applicable redevelopment plan.

A. Specification of Special height Districts

Special height districts may be specified in adopted redevelopment plans if TRPA makes finding 11 of 37.7.

B. Findings for Establishing Maximum Allowable Building Heights Within Special Height ,5,DDistricts

In order to establish maximum allowable building heights within special height districts, TRPA shall make finding 12 of Section 37.7.

Prior to approving additional building height for a project within a special height district TRPA shall make finding 1, 3, 5, 6 and 9 of Section 37.7.

Rationale: N/A.

Finding 37.5.7. Additional Height for Special Projects within the North Stateline Community Plan

General Requirements

1. TRPA may designate additional height for special projects that are located within the TRPA approved North Stateline Community Plan, and are designated through Resolution 2008-11 to be Special Projects pursuant to subparagraph 50..6.4.D as specified below.
2. The maximum height shall be 75 feet or three-fourths of the maximum height of the tallest trees within the project area, whichever is lower. TRPA shall determine the height of the tallest trees within the project area based on a tree survey provided by the applicant.
3. The area proposed for additional height shall be located on the mountain side of State Route 28 within the North Stateline Community Plan boundary. Additional height available under the Code subsection shall not be available on lake side of SR 28.
4. Additional height may be specified within the **North** Stateline Community Plan subject to finding 13 in Subsection 37.7.15.

Rationale: N/A.

37.6. Height Standards for Structures Other than Buildings

Finding 37.6.2. Additional Height for Certain Structures

The maximum height specified in subsection 37.6.1 may be increased for communication towers, antennas, utility poles, special features of public safety facilities, ski lift towers, wind turbines renewable power facilities, and other similar projects, excluding buildings and signs up to the minimum height necessary to feasibly implement such projects. Additional height may be approved under the provisions of this subsection if TRPA makes findings 4 and 7 as set forth in Section 37.7.

Finding 4: The function of the structure requires a greater maximum height than otherwise provided in this chapter.

Finding 7: The additional building height is the minimum necessary to feasibly implement the project and there are no feasible alternatives requiring less additional height.

Rationale: N/A.

37.7. Findings for Additional Building Height

37.7.1 Finding 1

When viewed from major arterials, scenic turnouts, public recreation areas, or the waters of Lake Tahoe from a distance of 300 feet, the additional height will not cause a building to extend above the forest canopy, when present or a ridgeline,

Finding 1: When viewed from major arterials, scenic turnouts, public recreation areas or the waters of Lake Tahoe, from a distance of 300 feet, the additional height will not cause a building to extend above the forest canopy, when present, or a ridgeline. For height greater than that set forth in Table 37.4.1-1 for a 5:12 roof pitch, the additional height shall not increase the visual magnitude beyond that permitted for structures in the shoreland as set forth in subsection 66.3.7. Additional Visual magnitude, or Appendix H, Visual Assessment Tool, of the Design Review Guidelines.

Rationale: N/A.

Finding 37.7.2. Finding 2

When outside a community plan, the additional height is consistent with the surrounding uses.

Rationale: N/A.

37.7.3. Finding 3

With respect to that portion of the building that is permitted the additional height the building has been designed to minimize interference with existing views within the area to the extent practicable.

Rationale: N/A.

37.7.4 Finding 4

The function of the structure requires a greater maximum height than otherwise provided for in this chapter.

Rationale: N/A.

37.7.5 Finding 5

The portion of the building that is permitted additional building height is adequately screened, as seen from major arterials, the waters of lakes, and other public areas from which the building is frequently viewed. In determining the adequacy of screening, consideration shall be given to the degree to which a

combination of the following features causes the building to blend or merge with the background.

- A. The horizontal distance from which the building is viewed;
- B. The extent of screening; and
- C. Proposed exterior colors and building materials.

Rationale: N/A.

37.7.6. Finding 6

The building that is permitted additional building height is located within an approved community plan or Ski Area Master Plan that identifies the project area as being suitable for the additional height being proposed.

Rationale: N/A.

37.7.7. Finding 7

The additional building height is the minimum necessary to feasibly implement the project and there are no feasible alternatives requiring less building height.

Rationale: N/A.

37.7.8. Finding 8

The maximum building height at any corner of two exterior walls of the building is not greater than 90 percent of the maximum building height. The maximum height at the corner of two exterior walls is the difference between the point of lowest natural ground elevation along an exterior wall of the building and point at which the corner of the same exterior wall meets the roof. This standard shall not apply to an architectural feature described as a prow.

Rationale: N/A.

Finding 37.7.9. Finding 9

When viewed from a TRPA scenic threshold travel route, the additional building height granted a building or structure shall not result in the net loss of views to a scenic resource identified in the 1982 Lake Tahoe Basin Scenic Resource Inventory. TRPA shall specify the method used to evaluate potential view loss.

Rationale: N/A.

Finding 37.7.10. Finding 10

The building is not more than two stories above grade (excluding basement) in height.

Rationale: N/A.

Finding 37.7.11. Finding 11 (Specification of Special Height Districts in Adopted Redevelopment Plans)

Special height districts may be specified in adopted redevelopment plans if TRPA makes the following findings:

- A. The area is within 2,300 feet of the center point of three or more buildings exceeding the height of 150 feet.
- B. The special height district provides a transition of height from the high-rise area to the surrounding area of lower permissible heights;
- C. The projects within the special height district utilize transit/pedestrian-oriented development principles including, but not limited to, major transit facilities, sidewalks, limited parking, mixed uses, high densities, use of alleys, and pedestrian oriented commercial opportunities; and
- D. The special height district is consistent with Policy 1.B, Goal 2, Community Design Sub element, Land Use Element, of the TRPA Goals and Policies Plan and the TRPA Scenic Quality Improvement Program.

Rationale: N/A.

Finding 37.7.12. Finding 12 (Establishing Maximum Allowable Building heights Within Special Height Districts)

In order to establish maximum allowable building heights within special height districts, TRPA shall make the following finding:

- A. The maximum building height within a special height district is limited to 73 feet, or three-fourths of the maximum height of the tallest trees within the special height district, whichever is lower. TRPA shall determine the height of the tallest trees within a special height district.

Rationale: N/A.

Finding 37.7.13. Finding 13 (Additional Height for View Enhancement)

1. The view enhancement is provided in the same threshold roadway travel route as the project in which the building using the additional height is located.
2. For views of the natural landscape and views of major visual features, no building or structure greater than five feet in height is closer than 100 feet from the viewpoint to the resource;
3. For view enhancements of views of Lake Tahoe, no building or structure exists between the viewpoint and Lake Tahoe;
4. For the purposes of creating a view enhancement, TRPA shall find, in addition to the findings in subparagraphs A, B and C above, that the created view is available for a continuous distance of at least 200 feet as seen from the threshold roadway travel route; and
5. For the purposes of enhancing an existing view, TRPA shall find in addition to the findings in subparagraphs A, B, and C above, that the enhanced view is provided in the same general location as the existing view, is of the same resource as the existing view, and adds at least 30 percent to the existing view.

Rationale: N/A.

Finding 37.7.14. Finding 14 (Additional Building Height for Affordable Housing Projects)

- A. The project shall meet findings 1, 3, 6, 8 and 9 in Section 37.7;
- B. The additional height is required because of the increase in density permitted by subsection 31.4.1;
- C. The project meets the Kings Beach Commercial Community Plan improvement requirements and special policies of the Special Area;
and
- D. The project meets the security requirements of subparagraph 37.5.4.E

Rationale: N/A.

Chapter 61: Vegetation and Forest Health

61.1.4. Old Growth Enhancement and Protection

Finding 61.1.5.B. Before tree-related projects and activities are approved by TRPA, TRPA shall find, based on a report from a qualified forester, that the project or activity is consistent with this chapter and the Code. TRPA may delegate permit issuance to federal, state, or other qualified agency through a memorandum of understanding.

Rationale: N/A.

Finding 51.1.7.G. Removal for Solar Access

TRPA may approve the removal of healthy trees provided TRPA finds that the trees unreasonably impede the operation of a solar energy system and that the solar energy system is properly located as to minimize the need for tree removal.

Rationale: N/A.

Chapter 67: Historic Resource Protection

67.7. Projects Relating to Historic Resources

Finding 67.7.3. Demolition

Historic resources shall not be demolished, disturbed, or removed unless TRPA finds that:

- A. The action will not be detrimental to the historic significance of the resource;
- B. The action is pursuant to a recovery plan approved by the applicable state historic preservation officer; or
- C. It is the only feasible alternative to protect the health and safety of the public.

Rationale: N/A.

Finding 67.7.4: Construction, reconstruction, repair, and maintenance of historic resources shall be in accordance with the U.S. Secretary of Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings.

Exceptions for Historical Structures and Districts: To encourage the protection, maintenance, or rebuilding of sites, structures, or districts designated as a historic resource, TRPA may grant exceptions to certain provisions of this Code to allow reconstruction or repairs.

Rationale: N/A.

Finding 67.8.1. Exceptions may be granted if TRPA finds that:

- A. The site, structure, or district is designated as a historic resource; and
- B. The reconstruction, modification, or repair is in the public interest.

Rationale: N/A.

INITIAL ENVIRONMENTAL CHECKLIST FOR DETERMINATION OF ENVIRONMENTAL IMPACT

PROJECT INFORMATION

Project Name: Basecamp Outdoor Deck for Seating

Project Assessor's Parcel Number (APN): 029-470-016

Project Address: 1001 Heavenly Village Way, Suite 25 A and B

County/City: City of South Lake Tahoe

Project Description: Construction of an outdoor deck over current seating area

The following questionnaire will be completed by the applicant based on evidence submitted with the application. All "Yes" and "No, With Mitigation" answers will require further written comments. Use the blank boxes to add any additional information and reference the question number and letter. If more space is required for additional information, please attached separate sheets and reference the question number and letter.

For information on the status of TRPA environmental thresholds click on the links to the Threshold Dashboard.

I. ENVIRONMENTAL IMPACTS

1. LAND

Current and historic status of soil conservation standards can be found at the links below:

- [Impervious Cover](#)
- [Stream Environment Zone](#)

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. Compaction or covering of the soil beyond the limits allowed in the land capability or Individual Parcel Evaluation System (IPES)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. A change in the topography or ground surface relief features of site inconsistent with the natural surrounding conditions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Unstable soil conditions during or after completion of the proposal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Changes in the undisturbed soil or native geologic substructures or grading in excess of 5 feet?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. The continuation of or increase in wind or water erosion of soils, either on or off the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Changes in deposition or erosion of beach sand, or changes in siltation, deposition or erosion, including natural littoral processes, which may modify the channel of a river or stream or the bed of a lake?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Exposure of people or property to geologic hazards such as earthquakes, landslides, backshore erosion, avalanches, mud slides, ground failure, or similar hazards?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

2. AIR QUALITY

Current and historic status of air quality standards can be found at the links below:

- [Carbon Monoxide \(CO\)](#)
- [Nitrate Deposition](#)
- [Ozone \(O3\)](#)
- [Regional Visibility](#)
- [Respirable and Fine Particulate Matter](#)
- [Sub-Regional Visibility](#)

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. Substantial air pollutant emissions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Deterioration of ambient (existing) air quality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. The creation of objectionable odors?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Alteration of air movement, moisture or temperature, or any change in climate, either locally or regionally?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Increased use of diesel fuel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

3. WATER QUALITY

Current and historic status of water quality standards can be found at the links below:

- [Aquatic Invasive Species](#)
- [Deep Water \(Pelagic\) Lake Tahoe](#)
- [Groundwater](#)
- [Nearshore \(Littoral\) Lake Tahoe](#)
- [Other Lakes](#)
- [Surface Runoff](#)
- [Tributaries](#)
- [Load Reductions](#)

Will the proposal result in:	Yes	No	No, with mitigation	Data insufficient
a. Changes in currents, or the course or direction of water movements?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Changes in absorption rates, drainage patterns, or the rate and amount of surface water runoff so that a 20 yr. 1 hr. storm runoff (approximately 1 inch per hour) cannot be contained on the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Alterations to the course or flow of 100-yearflood waters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Change in the amount of surface water in any water body?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Alteration of the direction or rate of flow of ground water?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Change in the quantity of groundwater, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Substantial reduction in the amount of water otherwise available for public water supplies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Exposure of people or property to water related hazards such as flooding and/or wave action from 100-year storm occurrence or seiches?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. The potential discharge of contaminants to the groundwater or any alteration of groundwater quality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Is the project located within 600 feet of a drinking water source?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

4. VEGETATION

Current and historic status of vegetation preservation standards can be found at the links below:

- [Common Vegetation](#)
- [Late Seral/Old Growth Ecosystems](#)
- [Sensitive Plants](#)
- [Uncommon Plant Communities](#)

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. Removal of native vegetation in excess of the area utilized for the actual development permitted by the land capability/IPES system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Removal of riparian vegetation or other vegetation associated with critical wildlife habitat, either through direct removal or indirect lowering of the groundwater table?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Introduction of new vegetation that will require excessive fertilizer or water, or will provide a barrier to the normal replenishment of existing species?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Change in the diversity or distribution of species, or number of any species of plants (including trees, shrubs, grass, crops, micro flora, and aquatic plants)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Reduction of the numbers of any unique, rare, or endangered species of plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Removal of stream bank and/or backshore vegetation, including woody vegetation such as willows?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Removal of any native live, dead or dying trees 30 inches or greater in diameter at breast height (dbh) within TRPA's Conservation or Recreation land use classifications?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. A change in the natural functioning of an old growth ecosystem?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

5. WILDLIFE

Current and historic status of special interest species standards can be found at the links below:

- [Special Interest Species](#)

Current and historic status of the fisheries standards can be found at the links below:

- [Instream Flow](#)
- [Lake Habitat](#)
- [Stream Habitat](#)

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. Change in the diversity or distribution of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms, insects, mammals, amphibians or microfauna)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Reduction of the number of any unique, rare or endangered species of animals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Deterioration of existing fish or wildlife habitat quantity or quality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

6. NOISE

Current and historic status of the noise standards can be found at the links below:

- [Cumulative Noise Events](#)
- [Single Noise Events](#)

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. Increases in existing Community Noise Equivalency Levels (CNEL) beyond those permitted in the applicable Area Plan, Plan Area Statement, Community Plan or Master Plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Exposure of people to severe noise levels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Single event noise levels greater than those set forth in the TRPA Noise Environmental Threshold?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The placement of residential or tourist accommodation uses in areas where the existing CNEL exceeds 60 dBA or is otherwise incompatible?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. The placement of uses that would generate an incompatible noise level in close proximity to existing residential or tourist accommodation uses?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Exposure of existing structures to levels of ground vibration that could result in structural damage?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

7. LIGHT AND GLARE

Will the proposal:	Yes	No	No, with mitigation	Data insufficient
a. Include new or modified sources of exterior lighting?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Create new illumination which is more substantial than other lighting, if any, within the surrounding area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Cause light from exterior sources to be cast off -site or onto public lands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Create new sources of glare through the siting of the improvements or through the use of reflective materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

8. LAND USE

Will the proposal:	Yes	No	No, with mitigation	Data insufficient
a. Include uses which are not listed as permissible uses in the applicable Area Plan, Plan Area Statement, adopted Community Plan, or Master Plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Expand or intensify an existing non-conforming use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

9. NATURAL RESOURCES

Will the proposal result in:

- a. A substantial increase in the rate of use of any natural resources?
- b. Substantial depletion of any non-renewable natural resource?

Yes	No	No, with mitigation	Data insufficient
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

10. RISK OF UPSET

Will the proposal:

- a. Involve a risk of an explosion or the release of hazardous substances including, but not limited to, oil, pesticides, chemicals, or radiation in the event of an accident or upset conditions?
- b. Involve possible interference with an emergency evacuation plan?

Yes	No	No, with mitigation	Data insufficient
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

11. POPULATION

Will the proposal:	Yes	No	No, with mitigation	Data insufficient
a. Alter the location, distribution, density, or growth rate of the human population planned for the Region?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Include or result in the temporary or permanent displacement of residents?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

12. HOUSING

Will the proposal:	Yes	No	No, with mitigation	Data insufficient
a. Affect existing housing, or create a demand for additional housing? <i>To determine if the proposal will affect existing housing or create a demand for additional housing, please answer the following questions:</i>				
1. Will the proposal decrease the amount of housing in the Tahoe Region?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Will the proposal decrease the amount of housing in the Tahoe Region historically or currently being rented at rates affordable by lower and very-low-income households?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

13. TRANSPORTATION / CIRCULATION

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. Generation of 650 or more new average daily Vehicle Miles Travelled?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Changes to existing parking facilities, or demand for new parking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Substantial impact upon existing transportation systems, including highway, transit, bicycle or pedestrian facilities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Alterations to present patterns of circulation or movement of people and/or goods?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Alterations to waterborne, rail or air traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

14. PUBLIC SERVICES

Will the proposal have an unplanned effect upon, or result in a need for new or altered governmental services in any of the following areas?:

	Yes	No	No, with mitigation	Data insufficient
a. Fire protection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Police protection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Schools?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Parks or other recreational facilities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Maintenance of public facilities, including roads?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Other governmental services?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

15. ENERGY

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. Use of substantial amounts of fuel or energy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Substantial increase in demand upon existing sources of energy, or require the development of new sources of energy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

16. UTILITIES

Except for planned improvements, will the proposal result in a need for new systems, or substantial alterations to the following utilities:

	Yes	No	No, with mitigation	Data insufficient
a. Power or natural gas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Communication systems?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Utilize additional water which amount will exceed the maximum permitted capacity of the service provider?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Utilize additional sewage treatment capacity which amount will exceed the maximum permitted capacity of the sewage treatment provider?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Storm water drainage?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Solid waste and disposal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

17. HUMAN HEALTH

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. Creation of any health hazard or potential health hazard (excluding mental health)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Exposure of people to potential health hazards?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

18. SCENIC RESOURCES / COMMUNITY DESIGN

Current and historic status of the scenic resources standards can be found at the links below:

- [Built Environment](#)
- [Other Areas](#)
- [Roadway and Shoreline Units](#)

Will the proposal:	Yes	No	No, with mitigation	Data insufficient
a. Be visible from any state or federal highway, Pioneer Trail or from Lake Tahoe?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Be visible from any public recreation area or TRPA designated bicycle trail?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Block or modify an existing view of Lake Tahoe or other scenic vista seen from a public road or other public area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Be inconsistent with the height and design standards required by the applicable ordinance, Community Plan, or Area Plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Be inconsistent with the TRPA Scenic Quality Improvement Program (SQIP) or Design Review Guidelines?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

19. RECREATION

Current and historic status of the recreation standards can be found at the links below:

- [Fair Share Distribution of Recreation Capacity](#)
- [Quality of Recreation Experience and Access to Recreational Opportunities](#)

Will the proposal:

- | | Yes | No | No, with mitigation | Data insufficient |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a. Create additional demand for recreation facilities? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Create additional recreation capacity? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Have the potential to create conflicts between recreation uses, either existing or proposed? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Result in a decrease or loss of public access to any lake, waterway, or public lands? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Discussion:

20. ARCHAEOLOGICAL / HISTORICAL

Will the proposal result in:

	Yes	No	No, with mitigation	Data insufficient
a. An alteration of or adverse physical or aesthetic effect to a significant archaeological or historical site, structure, object or building?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Is the proposed project located on a property with any known cultural, historical, and/or archaeological resources, including resources on TRPA or other regulatory official maps or records?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Is the property associated with any historically significant events and/or sites or persons?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Will the proposal restrict historic or pre-historic religious or sacred uses within the potential impact area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

II. FINDINGS OF SIGNIFICANCE

	Yes	No	No, with mitigation	Data insufficient
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California or Nevada history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals? (A short-term impact on the environment is one which occurs in a relatively brief, definitive period of time, while long-term impacts will endure well into the future.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Does the project have impacts which are individually limited, but cumulatively considerable? (A project may impact on two or more separate resources where the impact on each resource is relatively small, but where the effect of the total of those impacts on the environmental is significant?)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Does the project have environmental impacts which will cause substantial adverse effects on human being, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

III. DECLARATION:

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Signature:



Susan Simon

at El Dorado

January 10, 2024

Person preparing application

County

Date

Applicant Written Comments: (Attach additional sheets if necessary)

Large empty light blue rectangular area for applicant written comments.

IV. DETERMINATION:

On the basis of this evaluation:

- a. The proposed project could not have a significant effect on the environment and a finding of no significant effect shall be prepared in accordance with TRPA's Rules of Procedure YES NO
- b. The proposed project could have a significant effect on the environment, but due to the listed mitigation measures which have been added to the project, could have no significant effect on the environment and a mitigated finding of no significant effect shall be prepared in accordance with TRPA's Rules and Procedures. YES NO
- c. The proposed project may have a significant effect on the environment and an environmental impact statement shall be prepared in accordance with this chapter and TRPA's Rules of Procedures. YES NO

Gretchen Schooleman

Signature of Evaluator

Date 3/27/2024

Assistant Planner

Title of Evaluator

TRPA FINDING OF NO SIGNIFICANT EFFECT

PROJECT DESCRIPTION: Expansion of an existing outdoor dining/seating area at Basecamp Pizza Co. in Heavenly Village.

APN: 029-470-016

ADDRESS: 1001 Heavenly Village Way, Suite 25 A&B

FILE NUMBER: 23-164

PERMITEE(S): Trans Sierra Investments, Gary Casteel

Staff Analysis: In accordance with Article VI of the Tahoe Regional Planning Compact, Section 6.4 of the TRPA Rules and Regulations of Practice and Procedure, and Section 3.3.2 of the TRPA Code of Ordinances, City staff has reviewed the information submitted with the subject project. On the basis of this initial environmental evaluation, City staff has found that the subject project will not have a significant effect on the environment.

Determination: Based on the above-stated finding, the subject project is conditionally exempt from the requirement to prepare an Environmental Impact Statement. The conditions of this exemption are the conditions of permit approval

Approved by the City Staff on April 1, 2024

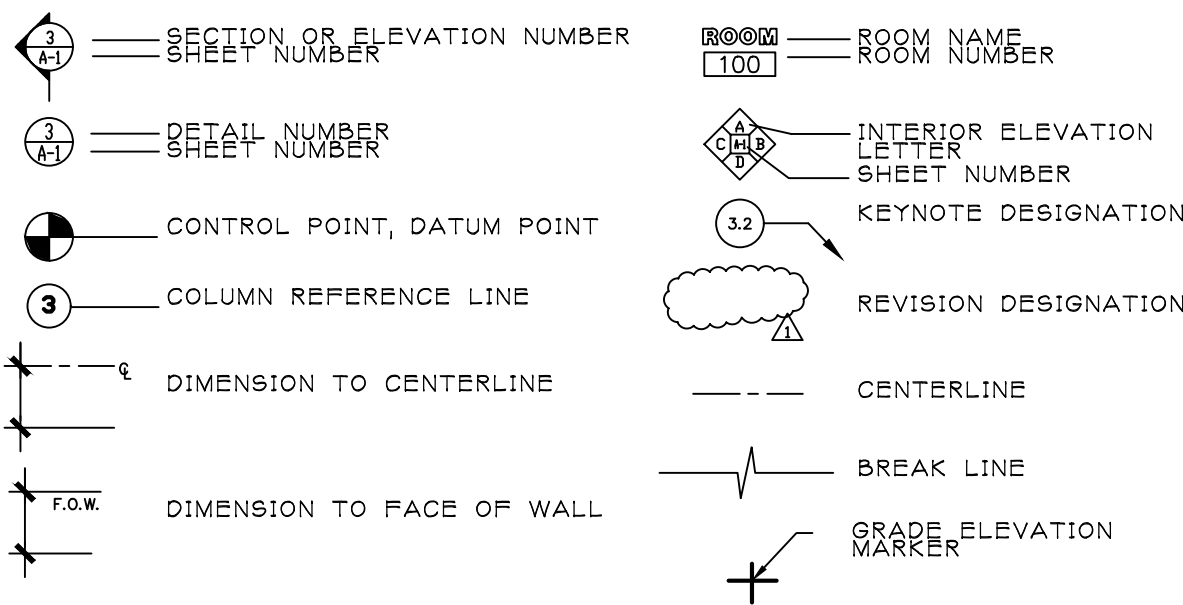


CSLT Development Services
Director/Designee

April 1, 2024

Date

SYMBOLS



GENERAL NOTES

THESE DRAWINGS ARE AN INSTRUMENT OF SERVICE AND HAVE BEEN PREPARED PURSUANT TO AN AGREEMENT BETWEEN OWNER AND ARCHITECT. THE WORK DESCRIBED HEREIN SHALL BE GOVERNED BY THE GENERAL CONDITIONS DOCUMENT A-201, THE CONTRACTOR SHALL ACQUIRE AND FAMILIARIZE HIMSELF WITH THE GENERAL CONDITIONS DOCUMENT AND THE FULL EXTENT OF THE WORK DESCRIBED HEREIN AND AS OTHERWISE REQUIRED.

BRIAN SHINAULT ARCHITECT EXPRESSLY RESERVES IT COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE CONSTRUCTION DOCUMENTS. THESE DOCUMENTS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE SIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING WRITTEN PERMISSION AND CONSENT OF BRIAN SHINAULT ARCHITECT. IF IN THE EVENT OF UNAUTHORIZED REUSE OF THESE CONSTRUCTION DOCUMENTS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD BRIAN SHINAULT ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY AND DAMAGES.

THESE CONSTRUCTION DOCUMENTS DESCRIBE THE REQUIREMENTS OF THE PROJECT FOR THE OWNER TO SUBMIT FOR A BUILDING PERMIT AND FOR THE OWNER'S CONTRACTOR TO PREPARE ESTIMATES OF QUANTITY AND COSTS OF MATERIAL AND LABOR REQUIRED TO CONSTRUCT THE PROJECT. THESE DOCUMENTS REPRESENT A BUILDERS SET UNLESS APPROVED BY THE BUILDING DEPARTMENT, OF CONSTRUCTION DOCUMENTS TO BE USED AS THE BASIS OF AN AGREEMENT BETWEEN THE OWNER AND CONTRACTOR. BASIC SPECIFICATIONS DESCRIBING CONDITIONS AND QUALITIES ARE LIMITED TO REQUIREMENTS OR SPECIFIC EQUIPMENT AND/OR MATERIALS AS PART OF THE DOCUMENTS. THESE DOCUMENTS ONLY PROVIDE FOR SCHEMATIC PLUMBING/MECHANICAL EQUIPMENT LAYOUT AND SCHEMATIC ELECTRICAL POWER AND LIGHTING LAYOUT AS PREPARED BY THE ARCHITECT WITHOUT ENGINEERING DESIGNS, DETAILS, CALCULATIONS OR SPECIFICATIONS. FOR THE PURPOSE OF ESTIMATING THE CONTRACTOR SHALL USE MATERIAL SELECTED BY THE OWNER OR, IN ABSENCE OF SAME, THE CONTRACTOR SHALL PROVIDE AN ALL CONDITION ANY COST ESTIMATE. ALL MATERIAL SPECIFIED IN THESE DOCUMENTS SHALL BE INCLUDED IN SUCH ESTIMATES, UNLESS AS "N.I.C." (NOT IN CONTRACT) OR "OWNER SUPPLIED". THE CONTRACTOR SHALL PROVIDE ALL SAMPLES AND/OR PRODUCT LITERATURE AS REQUIRED TO ASSIST OWNER IN MAKING MATERIAL SELECTIONS IN A TIMELY MANNER SO AS NOT TO IMPEDE THE PROJECT.

THE OWNER, THE CONTRACTOR, AND/OR SUB-CONTRACTOR SHALL SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS TO THE PLANS AND/OR SPECIFICATIONS BY MEANS OF LETTER, EMAIL, OR SHOP DRAWINGS. SHOP DRAWINGS THAT ARE SUBMITTED TO THE OWNER OR ARCHITECT FOR REVIEW DO NOT CONSTITUTE IN WRITING UNLESS IT IS BROUGHT TO THE ATTENTION OF THE REVIEWING PARTY THAT SPECIFIC CHANGES ARE BEING SUGGESTED. IN ANY EVENT, CHANGES TO THE DOCUMENTS AND SPECIFICATIONS BY MEANS OF SHOP DRAWINGS BECOMES THE RESPONSIBILITY OF THE PERSON INITIATING SUCH CHANGE.

THE OWNER/ARCHITECT AGREEMENT FOR THESE DOCUMENTS DOES NOT SPECIFICALLY PROVIDE FOR CONSTRUCTION ADMINISTRATION SERVICES BY THE ARCHITECT. ALL CLASSIFICATIONS FOR POTENTIAL AMBIGUITIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CORRECTION PRIOR TO THE START OF CONSTRUCTION.

NO GUARANTEE FOR QUALITY OF CONSTRUCTION IS IMPLIED OR INTENDED BY THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY OR ALL CONSTRUCTION DEFICIENCIES.

CONSTRUCTION IS ALWAYS LESS THAN PERFECT SINCE BUILDINGS REQUIRE THE COORDINATION AND INSTALLATION OF MANY INDIVIDUAL PARTS BY THE VARIOUS CONSTRUCTION INDUSTRY TRADES. THESE DOCUMENTS CANNOT PORTRAY ALL COMPONENTS OR ASSEMBLIES EXACTLY. IT IS THE INTENT OF THESE CONSTRUCTION DOCUMENTS THAT THEY REPRESENT A REASONABLE STANDARD OF CARE IN THEIR CONTENT. SHOULD THE OWNER NOT RETAIN THE ARCHITECT TO PROVIDE CONSTRUCTION OBSERVATION SERVICES OR SHOULD THE ARCHITECT BE RETAINED TO PROVIDE ON PARTIAL OR LIMITED SERVICES, THEN IT SHALL BE THE OWNERS AND THE CONTRACTORS RESPONSIBILITY TO FULLY RECOGNIZE AND IMPLEMENT THE NECESSARY STANDARD OF CARE.

THE CONSTRUCTION ASSEMBLIES DEPICTED IN THESE DOCUMENTS MAY PROVIDE FOR THE CONTACT OF DISSIMILAR MATERIALS WHICH WHEN FINISH COATED OR SUBJECTED TO MOIST WEATHER CONDITIONS MAY RESULT IN DISCOLORATIONS OF SOME OF THE MATERIAL SURFACES. THESE CONDITIONS MAY REQUIRE PERIODIC INSPECTION, MAINTENANCE AND/OR RECOATING AT LONGER INTERVALS THAN OTHER NON-AFFECTED SURFACES. THE OWNER SHALL PARTICIPATE IN AND BE RESPONSIBLE FOR SUCH INSPECTIONS, MAINTENANCE AND/OR RECOATING BEYOND THE WARRANTY PERIODS SPECIFIED TO THE PROJECT AND PRESCRIBED BY LAW.

SITE:
ALL INFORMATION PERTAINING TO THE SITE SHALL BE AND SHALL REMAIN THE OWNERS RESPONSIBILITY. THIS INFORMATION SHALL INCLUDE: LEGAL DESCRIPTION, DEED RESTRICTIONS, EASEMENTS, SITE SURVEY, TOPOGRAPHIC SURVEY, POSITIONS OF EXISTING IMPROVEMENTS, SOILS REPORT, AND ALL RELATED DATA. THESE DOCUMENTS HAVE BEEN PREPARED ON THE INFORMATION PROVIDED BY THE OWNER AND SHOULD ADDITIONAL SERVICES OR WORK BE REQUIRED DUE TO THE LACK OR INACCURACY OF SUCH INFORMATION, THAT WORK SHALL BE CONSIDERED AS "ADDITIONAL SERVICES" OVER AND ABOVE THE PREVAILING CONTRACT.

THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE SITE AND SATISFY HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL VERIFY AT THE SITE ALL MEASUREMENTS AFFECTING HIS WORK, AND SHALL BE RESPONSIBLE FOR THE CORRECTIONS OF SAME. NO EXTRA COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR THE EXPENSES DUE TO HIS NEGLIGENCE TO EXAMINE OR FAILURE TO DISCOVER CONDITIONS WHICH AFFECT HIS WORK.

DIMENSION CONTROL:
IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL SUBCONTRACTORS TO CHECK AND VERIFY ALL CONDITIONS, DIMENSIONS, LINES AND LEVELS INDICATED ON THE CONSTRUCTION DOCUMENTS. PROPER FIT AND ATTACHMENT OF ALL PARTS IS REQUIRED. SHOULD THERE BE ANY DISCREPANCIES IMMEDIATELY NOTIFY THE ARCHITECT FOR INTERPRETATION, CORRECTION OR ADJUSTMENTS. IN THE EVENT OF FAILURE TO DO SO, THE CONTRACTOR SHALL BE RESPONSIBILITY FOR CORRECTION OF ANY ERROR.

ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED ON THE JOB SITE BY EACH SUB-CONTRACTOR BEFORE THEY BEGINS THEIR WORK. ANY ERRORS, OMISSIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ARCHITECT BEFORE CONSTRUCTION BEGINS.

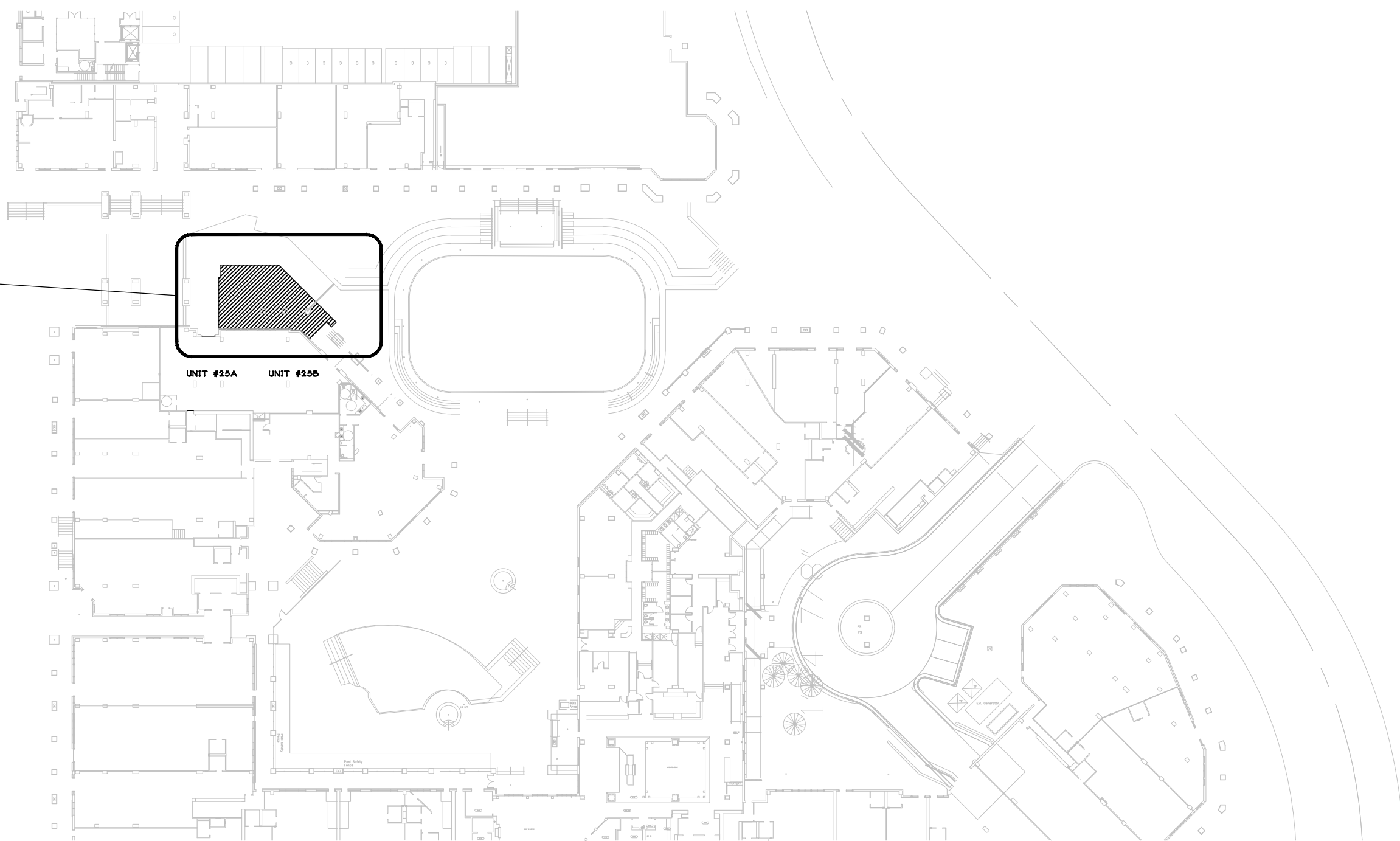
UNLESS OTHERWISE NOTED (UNO) ALL DIMENSIONS ARE TO FACE OF STRUCTURE OR FRAMING. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB OR SUB-FLOOR UNLESS NOTED "AFFH" (ABOVE FINISHED FLOOR).

ALL CLEAR DIMENSIONS ARE TO BE EXACT WITHIN 1/8" ALONG THE FULL HEIGHT AND FULL WIDTH OF THE WALLS. THE CONTRACTOR SHALL NOT ADJUST ANY DIMENSION MARKED "CLEAR" OR "CLR" WITHOUT WRITTEN INSTRUCTION FROM THE ARCHITECT.

SHOULD ANY CONTRACTOR OR SUBCONTRACTOR SCALE OFF THESE DOCUMENTS WITH ANY TYPE OF INSTRUMENT (TAPE MEASUREMENT etc) THEY SHALL DO SO AT HIS OWN RISK.

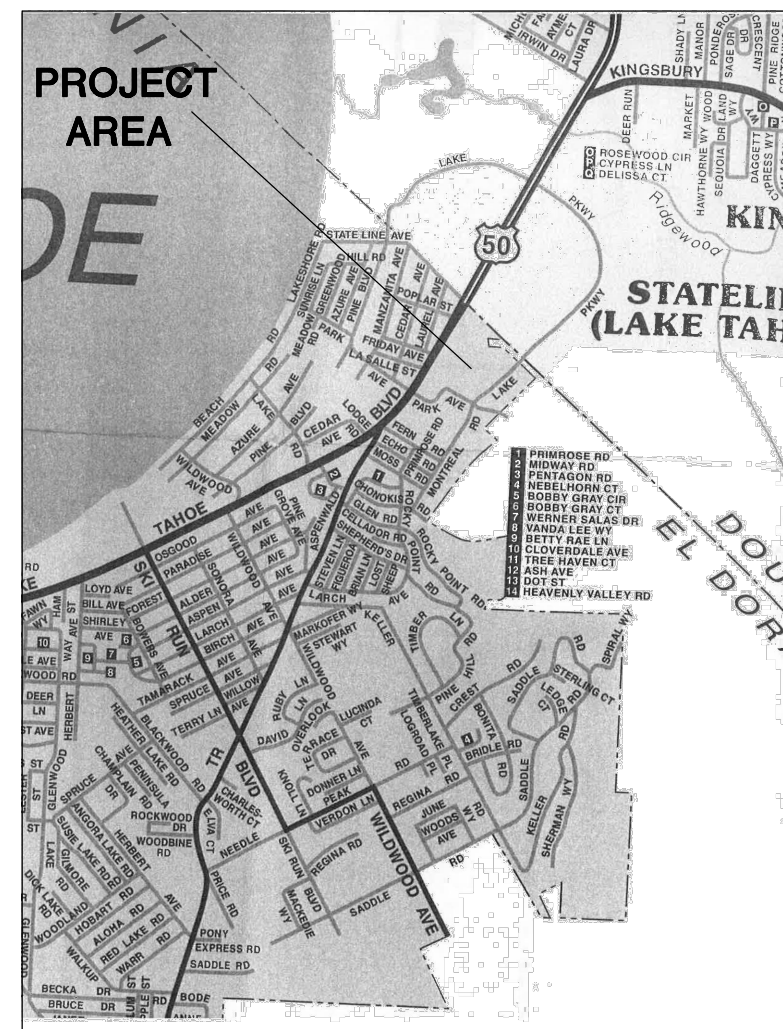
ASBESTOS NOTE:
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND ABATE ANY ASBESTOS LOCATED WITHIN THE PROJECT AREA BEFORE THE START OF CONSTRUCTION

PROJECT AREA



Tenant Improvement For: **Basecamp Pizza Co. LLC**
 1001 Heavenly Village Way
 Unit 25a & 25b
 EL DORADO COUNTY
 APN #:029-510-02

VICINITY MAP



N.T.S.

DEFERRED SUBMITTALS

NONE

DRAWING INDEX

A.0	TITLE SHEET
C1.0	SITE PLAN / SEATING PLAN
A1.0	PATIO PLAN / ELEVATION
S1.0	STRUCTURAL PLAN

PROJECT INFORMATION

Tenent:

Basecamp Pizza Co LLC
 Contact: Ray Villaman
 1636 White Fir
 Truckee, CA 95161
 Phone: (530) 448-9333
 ray@mobimunch.com

Owner:

Tran Sierra Investments
 PO Box 1047
 Minden, NV 89425
 Contact: Gary Casteel
 775.720.1529

Project Address:

1001 Heavenly Village Way
 Unit 25a & 25b
 El Dorado County
 APN #:029-510-02

PROJECT DESCRIPTION

RAISE EXISTING OUTDOOR EATING ARE LEVEL WITH EXISTING RESTAURANT. OBTAIN CFA IN THE SUM OF 1,334SF. ALL MATERIAL TO MATCH THE EXTERIOR MATERIAL OF MARRIOTT GRAND RESIDENCE. PATIO IS TO HAVE STRING LIGHTS AND SAIL CLOTH COVERS.

BUILDING CODE DATA

- 2022 California Administration Code
- 2022 California Building Code Vol I II
- 2022 California Plumbing Code
- 2022 California Mechanical Code
- 2022 California Electrical Code
- 2022 California Fire Code - Vol I
- 2022 California Energy Code - Title 24
- 2022 California Green Building Standards
- 2022 California Reference Standards Code
- 2022 California Residential Code

OCCUPANCY GROUP : A-2
 CONSTRUCTION TYPE : TYPE 1
 SPRINKLED : NO
 (E) PATIO AREA : 1,331 sf
 (P) PATIO AREA : 1,331 sf
 BUILDING HEIGHT : 10'-0"
 PARCEL SIZE: 726,747 sf
 SIZE OF (E) STRUCTURE: 87,289 sf
 ZONING: TOURIST CENTER

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BRIAN SHINAULT ARCHITECT

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 CALIFORNIA C13816
 HAWAII AR 10855
 NEVADA 3018
 1008 DAPHNE CT.
 MINDEN, NEVADA, 89423
 530.603.5116
 BRIAN@BSAIAO.COM

REVISION:

MODIFICATIONS TO OUTDOOR PATIO FOR:
BASE CAMP PIZZA
 1001 HEAVENLY VALLEY WAY UNIT 25
 SOUTH LAKE TAHOE, CA
 APN #029-510-02-100



JOB No: 2103
 DRAWN BY: BSS
 CHECKED BY: BSS
 DATE PREPARED:
 SCALE: AS NOTED
 FILE:

DRAWING No:

AO

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REVISION:

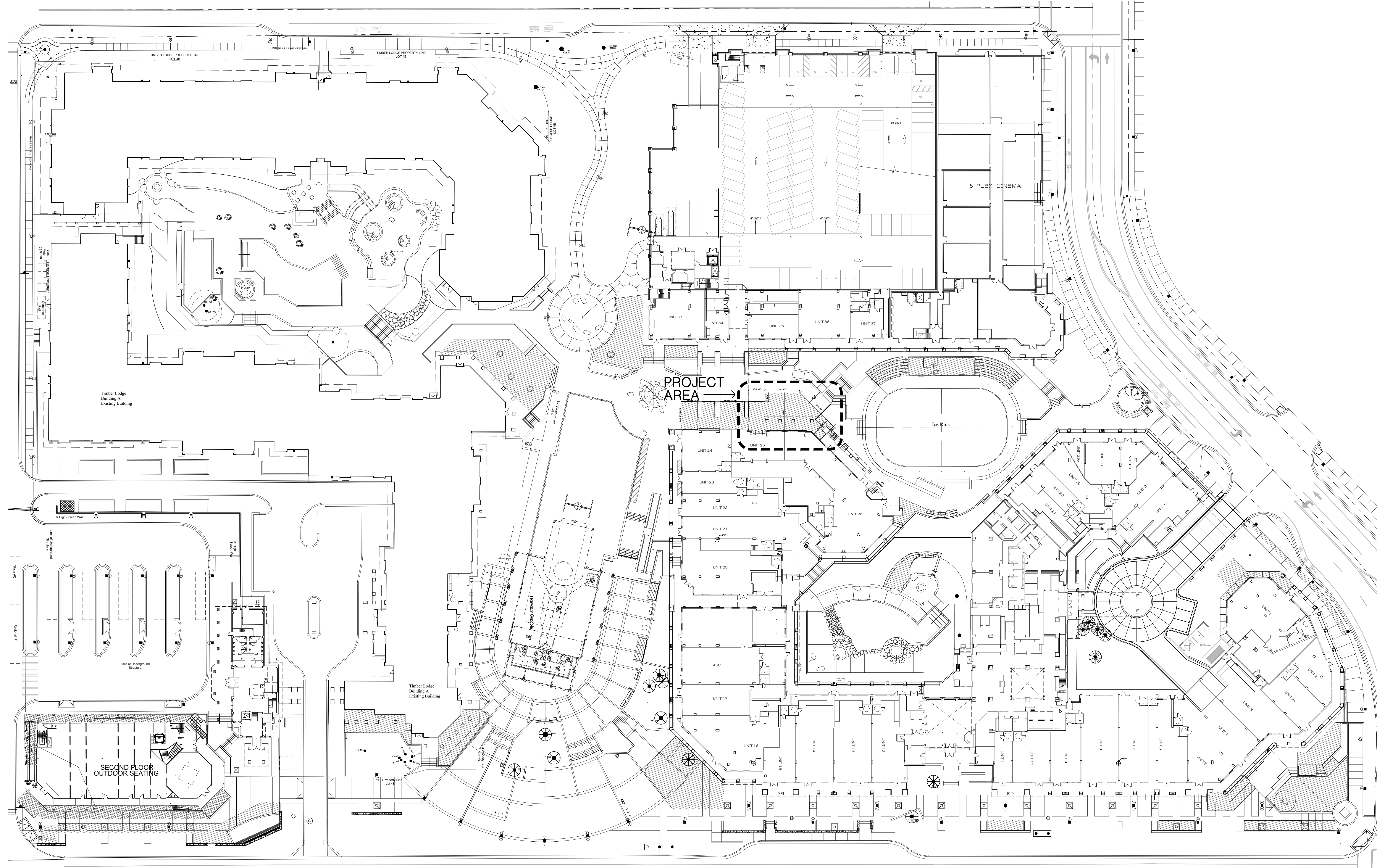
MODIFICATIONS TO OUTDOOR PATIO FOR:
BASE CAMP PIZZA
1001 HEAVENLY VALLEY WAY UNIT 25
SOUTH LAKE TAHOE, CA
APN #029-51002-100

JOB No: 2103
DRAWN BY: BSS
CHECKED BY: BSS
DATE PREPARED:
SCALE: AS NOTED
FILE:

DRAWING No:

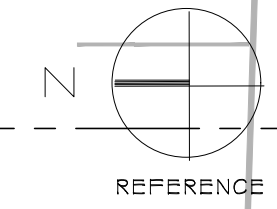
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OF SHEETS



OUTDOOR SEATING AREA

1-18-16
N.T.S.



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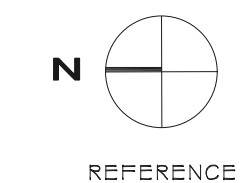
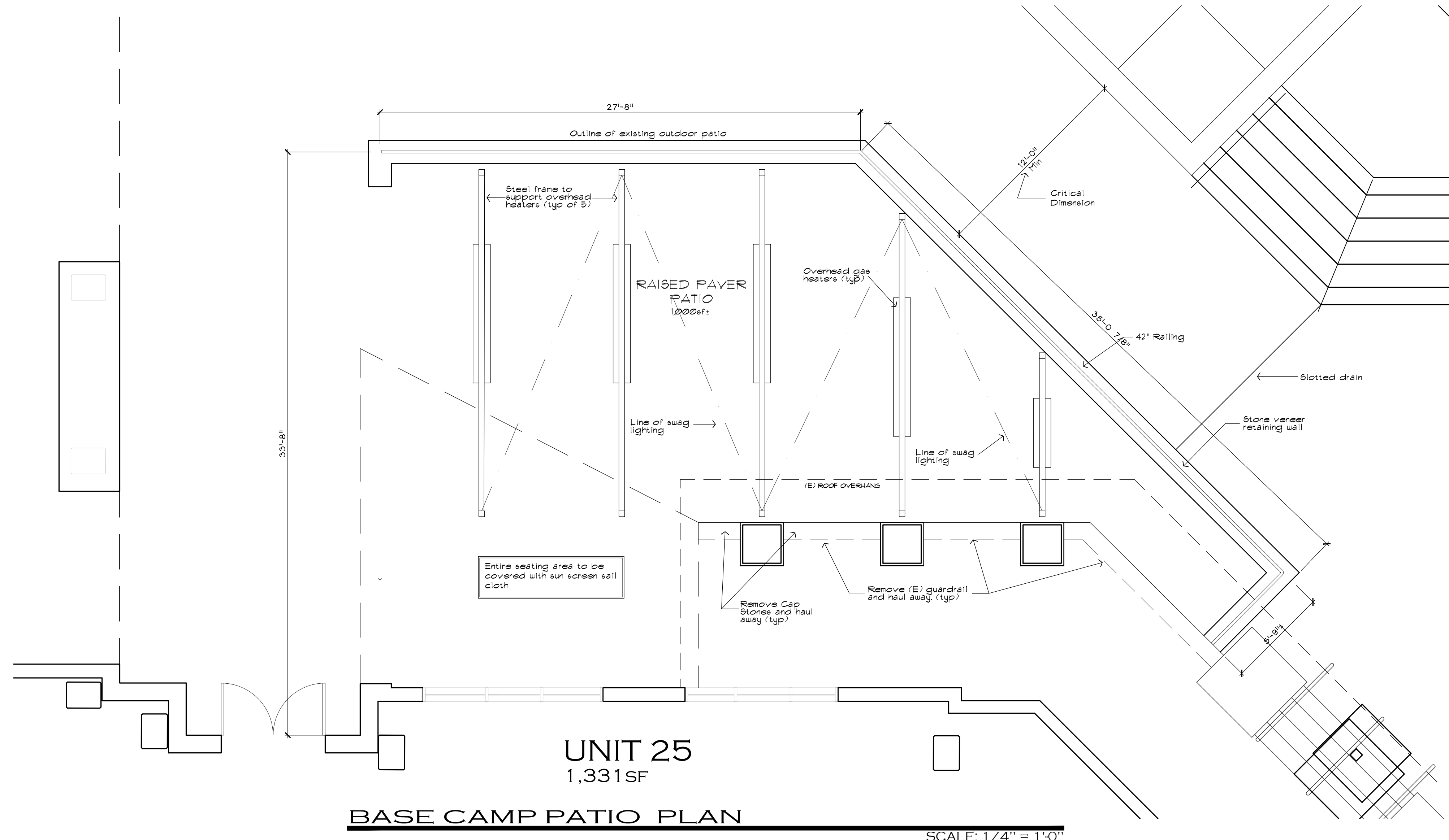
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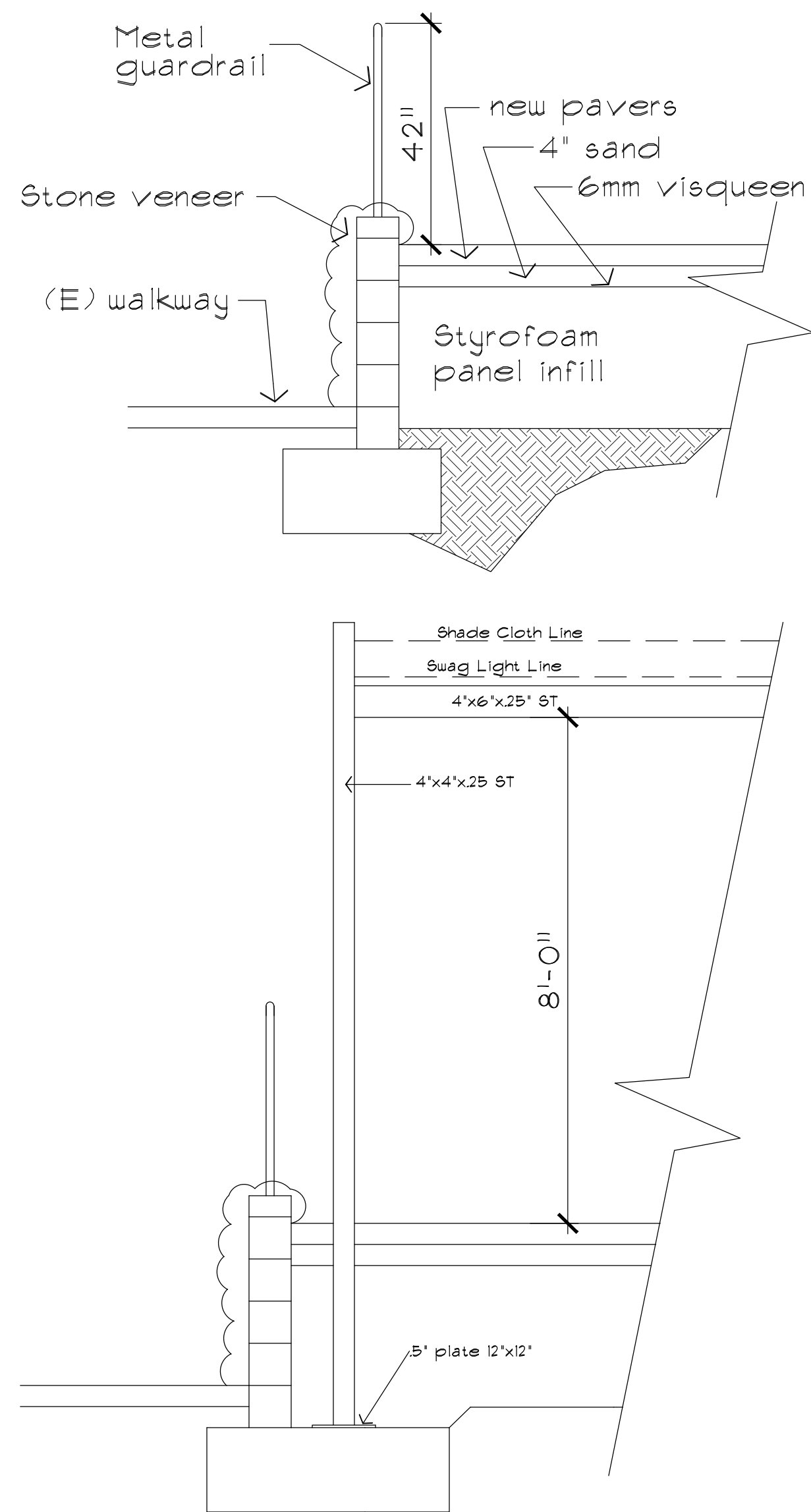
MODIFICATIONS TO OUTDOOR PATIO FOR:
BASE CAMP PIZZA
 1001 HEAVENLY VALLEY WAY UNIT 25
 SOUTH LAKE TAHOE, CA
 APN #029-510-02-100

JOB No: 2103
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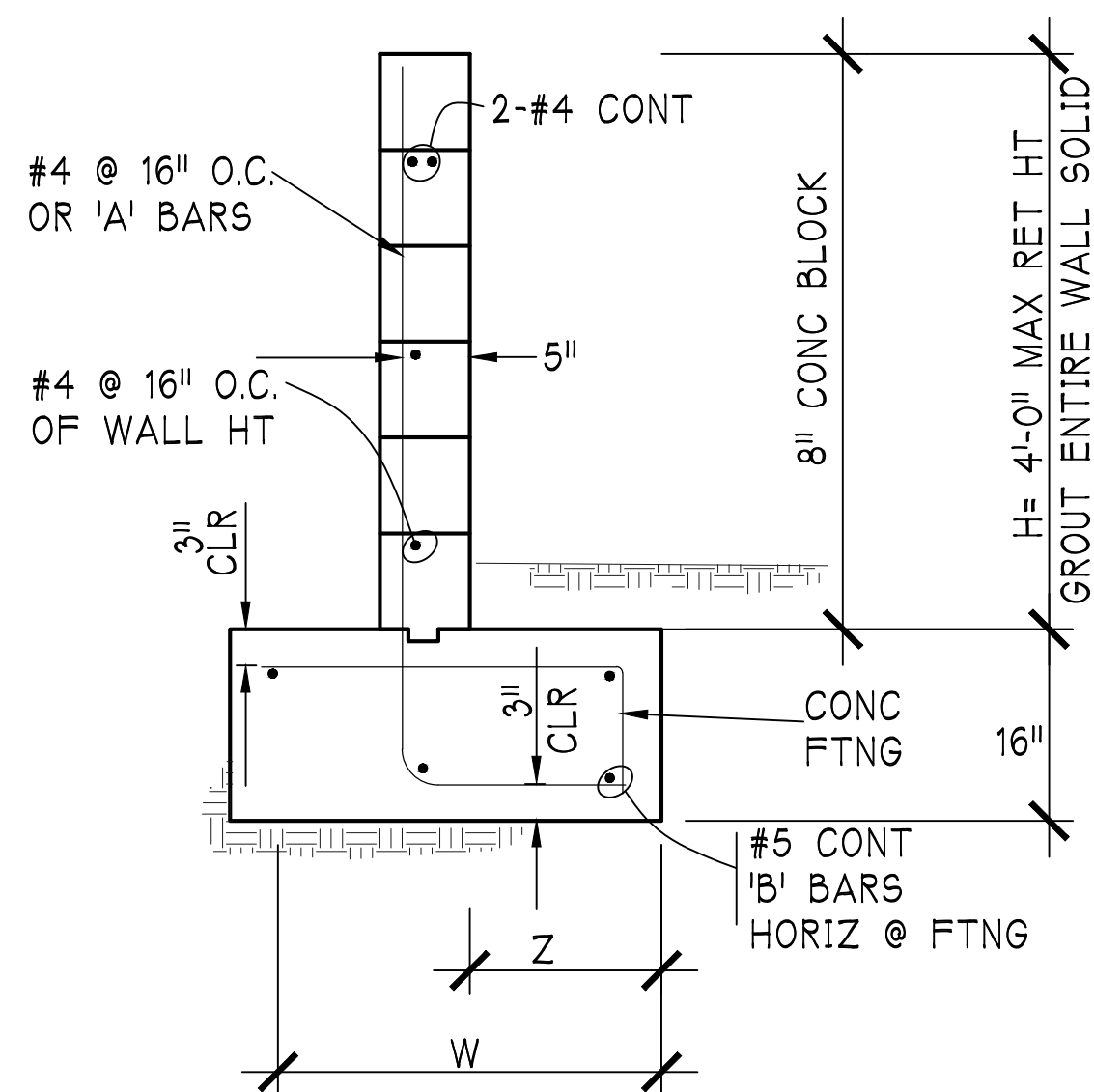




RETAINING WALL DETAIL - CMU STEM

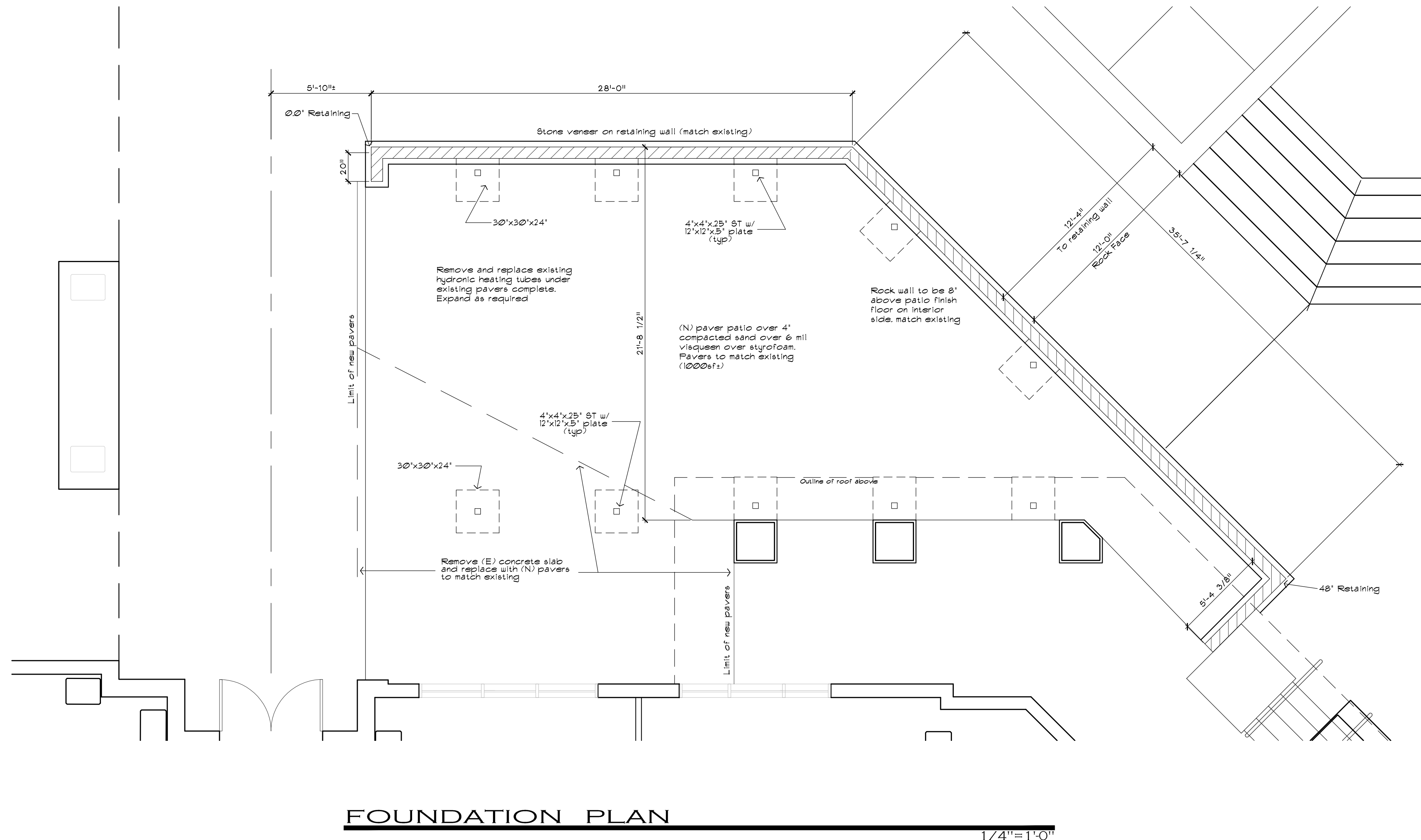
1/2"=1'-0"

2500 psi CONC- MIN
 GRADE 60 REINF
 1500 psi MASONRY
 TYPE N GROUT
 40 BAR Ø MIN LAP
 WATERPROOF BACK
 OF WALL AS REQ'D



WALL SCHEDULE

H	W	Z	'A' BARS	'B' BARS	'C' BARS	CONC KEY	WDxDP
2'-8"	2'-0"	0'-10"	#4 @ 24"	4 #5	NA	NA	
3'-4"	2'-6"	1'-2"	#4 @ 16"	4 #5	NA	NA	
4'-0"	3'-0"	1'-4"	#4 @ 16"	4 #5	NA	NA	



FOUNDATION PLAN

1/4"=1'-0"

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REVISION:

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JOB No: 2103
 DRAWN BY: BSS
 CHECKED BY: BSS
 DATE PREPARED:
 SCALE: AS NOTED
 FILE:

DRAWING No:



REFERENCE

S1.0

OF SHEETS

ATTACHMENT 6

RESOLUTION NO. 2024-XX

Adopted by the City of South Lake Tahoe
Planning Commission

April 18, 2024

APPROVING THE ALLOCATION OF 1,331 SQUARE FEET OF COMMERCIAL FLOOR AREA FROM THE ENVIRONMENTAL IMPROVEMENT CFA POOL TO 1001 HEAVENLY VILLAGE WAY SUITE 25 A & B, CITY OF SOUTH LAKE TAHOE APN 029-470-016

BACKGROUND

- A. The City of South Lake Tahoe has been apportioned Commercial Floor Area (CFA) from the Tahoe Regional Planning Agency for implementing projects in community plan areas.
- B. The City of South Lake Tahoe has reserved CFA as an investment stimulant for creating change and for distributing to projects that are beneficial to the community, economy, and the environment.
- C. The City of South Lake Tahoe City Council places a high value on CFA for the purposes of stimulating economic development and revitalization of commercial property.
- D. The City Manager has reviewed the request for CFA and has approved the sale of 1,331 square feet of CFA to Trans Sierra Investments.
- E. City staff has reviewed the Minor Design Review Application and has issued Design Review Permit #23-164.
- F. On April 18, 2024, the City of South Lake Tahoe Planning Commission held a public hearing, considered the CFA transfer and took public comment.

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BASED ON THE FACTS SET FORTH IN THE BACKGROUND, BE IT RESOLVED, that the City of South Lake Tahoe Planning Commission:

1. Finds the foregoing recitals, and each of them, are true and correct.
2. Finds the foregoing allocation of CFA is consistent with the General Plan and Tourist Core Area Plan.
3. Finds the foregoing allocation satisfies the following criteria:
 - a. It is within an adopted community plan area;
 - b. It satisfies the criteria for CFA allocations required by the applicable community plan;
 - c. It satisfies all applicable design standards;
 - d. It includes the construction of improvements that will benefit the public and community, which are more extensive than required by the applicable community plan or City Code; and
 - e. It provides an economic benefit to the community with enough significance to merit the allocation of the City's CFA resource.
4. Approves the transfer of 1,331 square feet of CFA from the Environmental Improvement CFA Pool First Round to Basecamp Pizza Company at 1001 Heavenly Village Way Suite 25 A & B, APN 029-470-016, with the following conditions:
 - a. The applicant shall have until March 14, 2025, to obtain a building permit. The City Manager may grant a one-year extension based on the diligent pursuit of the project. Failure to obtain a building permit and utilize the CFA will result in the return of the CFA to the City.
 - b. The Applicants shall pay the City \$11,087.23 in exchange for the CFA. The fee shall be paid prior to the City's transfer of the CFA to the property.
 - c. The Applicant shall submit the applicable Mobility Mitigation Fee for the generation of 596 VMTs prior to the issuance of a building permit.

Adopted by the City of South Lake Tahoe Planning Commission on April 18, 2024, by the following vote:

Yes:

No:

Absent:

Abstain:

Natalia Wieczorek, Chair

Date:_____

Attest:

Susan Blankenship, Elected City Clerk

The presence of an electronic signature certifies that the foregoing is a true and correct copy as approved by the South Lake Tahoe City Council.



MINOR DESIGN REVIEW

Project Name:	Base Camp Pizza Co. Outdoor Dining
File:	23-164
Location:	1001 Heavenly Village Way, Suite 25 A and B
Project APN:	029-470-016
Owner(s):	City of South Lake Tahoe
Applicant:	Trans Sierra Investments/ Gary Casteel
Representative:	Susan Simon/ Simon Environmental Planning

PROJECT DESCRIPTION

This permit revises Design Review Permit #23-164 to build a 1,331 square-foot patio for outside seating and dining at Basecamp Pizza Company. The patio will be constructed over an existing paver walkway that has historically been used for outdoor dining.

CONDITIONS OF APPROVAL

- 1) Any change to an approved project may result in the revocation of development rights. The development rights shall be returned to the City.
- 2) The development rights shall only be used to construct an outdoor dining patio.
- 3) A developer/applicant/ property owner shall have one (1) year from the approval date below to submit and obtain a building permit, issued through the City. If this milestone is unachievable, the applicant may apply for an extension or relinquish the City granted development rights. One, one-year extension for the retention of approved development rights may be granted by the City Manager, based on the project continuing to meet the distribution policy and proceeding in a diligent manner, or relinquish the City granted development rights.
- 4) The permittee shall obtain a City Building Permit.
- 5) The permittee shall obtain a TRPA Permit.
- 6) If any of the associated City Planning, Building and/or TRPA permits expire, the assigned development rights shall be returned to the City.
- 7) Should the project parcel(s) change ownership, the development right may be transferred to a new owner so long as the project is constructed as approved. Any change to an approved project (e.g., elevations,

building siting, interior configuration) may result in the revocation of prior reservation and/or assignment of development rights.

- 8) This permit does not authorize any new land coverage.
- 9) The property owner shall acknowledge this permit and the conditions contained within by satisfying all conditions of approval and signing below.

END OF PERMIT

CITY APPROVAL: Having made the finding that the project is consistent with all applicable Tourist Core Area Plan policies and standards, City-wide Design Standards, City-wide Parking, Driveway and Loading Standards, the City Code, and the TRPA Code, the City approves the project, subject to the conditions of approval listed in this permit.

City Approval Signature

Date

PERMITTEE'S ACCEPTANCE: I have read the permit and the conditions of approval and understand and accept them. I also understand that I am responsible for compliance with all the conditions of the permit and responsible for agents' and employees' compliance with the permit conditions. I understand that it is my sole responsibility to obtain any and all required approvals from any other state, local or federal agencies that may have jurisdiction over this project whether or not they are listed in this permit.

Signature of owner or authorized representative

Date

CITY ACKNOWLEDGEMENT: The permittee has complied with all conditions of approval.

City Acknowledgment Signature

Date

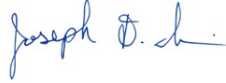
CITY APPEAL PROCESS

Pursuant to Section 2.35 of the City Code, should the applicant disagree with any member of a city commission or city staff decision or conditions of this permit, they may appeal to the City Council by filing a written notice of appeal with the City Clerk. A completed appeal form available through the City Clerk's Office, 1901 Lisa Maloff Way (formerly Airport Road), along with the appeal fee, must be filed with the Clerk's office within fifteen days from the date of this decision.

City of South Lake Tahoe

Agenda Item Executive Summary

Joe Irvin, City Manager



Meeting Date: April 18, 2024

Agenda Item #: 3



Agenda Item:

Bijou Park Connector Multi-Use Trail Project at Bijou Community Park, File #24-032

Executive Summary: Bijou Park Connector Multi-Use Trail Project proposes to construct 0.6 miles of bicycle and pedestrian trail that would link the AI Tahoe Mobility Project (constructed in 2020 to Johnson Boulevard) with the Dennis T. Machida Memorial Greenway (Greenway) Trail Phase 1B (constructed in 2021). The trail would be constructed within the City's Bijou Community Park Property and is a high priority project with the Active Transportation Plan, Lake Tahoe Unified School District Safe Routes to School (SRTS) "South Tahoe Middle School Connectivity Plan (2015), South Lake Tahoe Parks, Trail and Recreation Master Plan (2014), Community Mobility Group, Lake Tahoe Bicycle Coalition and the Measure S Joint Powers Authority - Bicycle Advisory Committee.

Requested Action / Suggested Motions: Pass a Resolution finding the proposed project is categorically exempt from CEQA pursuant to Section 15301, Class 1, Existing Facilities, and Section 15304, Class 4, Minor Alterations to land, and approve Design Review Permit #24-032.

Responsible Staff Member: Gretchen Schooleman, Assistant Planner

Reviewed and Approved By: Zachary Thomas, Director of Development Services

Attachments:

- [01_StaffReport_BijouConnectorTrail__24-032.docx](#)
- [02_PathDesignOptions_#24-032.pdf](#)
- [03_BijouConnectorProjectSurveyResults_#24-032.pdf](#)
- [04_UpdatedSegment_Johnson_Driveway_#24-032.pdf](#)
- [05_BijouTrailConnector_CityPermit_#24-032.docx](#)
- [06_Resolution_2024-XX__24-032.docx](#)
- [07_Proof_Of_Mailing_20240405.pdf](#)
- [08_PlanningCommission_Presentation.pptx](#)



City of South Lake Tahoe

Report to Planning Commission

Meeting Date: April 18, 2024

Title: Bijou Park Connector Multi-Use Trail Project

Location: Bijou Community Park, 1201 & 1301 Al Tahoe Boulevard, APNs 025-010-051 & 025-041-009

Responsible Staff Members: Gretchen Schooleman, Assistant Planner, Jason Burke, Complete Streets Program Manager; Stephen Anderjack, Associate Civil Engineer

BACKGROUND

The City of South Lake Tahoe Public Works Department submitted a Major Design Review Project. The Bijou Park Connector Multi-Use Trail Project proposes to construct 0.6 miles of bicycle and pedestrian trail that would link the Al Tahoe Mobility Project (constructed in 2020 to Johnson Boulevard) with the Dennis T. Machida Memorial Greenway (Greenway) Trail Phase 1B (constructed in 2021). The Project includes a crosswalk on Al Tahoe Boulevard connecting the Lake Tahoe Community College and the Bijou Community Park entrance.

The trail would be constructed within the City's Bijou Community Park Property located within the Bijou Meadows Special Area #1 Plan Area. Transportation Routes are a permissible use for Special Area #1 and will not require a Special Use Permit.

ISSUE AND DISCUSSION

Project Description

The Bijou Park Multi-Use Trail Project will close a crucial gap between multiple high-quality active transportation facilities. The multi-use trail was envisioned to provide more direct access to Bijou Community Park and to connect to the Al Tahoe Mobility Trail (at the Johnson Blvd intersection), which continues north to South Tahoe Middle School and connects to the South Tahoe Bikeway. The trail will connect the Al Tahoe Mobility Trail to the recently completed Greenway, a multi-use trail planned to provide a paved trail from the Tahoe Sierra neighborhood to Van Sickle Bi-State Park as a backbone of the overall trail network throughout the Lake Tahoe south shore area. The 3.86-mile trail links south shore neighborhoods to each other and to public amenities and facilities. The portion of the Greenway between Herbert Avenue and Sierra Blvd. has been completed, connecting the Bijou, Pioneer Village and Sierra Tract neighborhoods with Lake Tahoe Community College and Bijou Community Park. Planning of the Greenway also included several connector routes to provide more direct access to areas and facilities along the multi-use pathway.

The Bijou Park Connector Multi-Use Trail Project meets the Community Development Block Grant (CDBG) grant program goal of increasing access to and from several low-income and

underserved areas of the City. This project will connect the existing Greenway and the Al Tahoe Mobility Trail with Bijou Community Park. The Greenway and Al Tahoe Mobility Trails provide further access to active transportation networks connecting neighborhoods, commercial areas and recreational opportunities, schools, public facilities, and other areas of the community.

Project Setting

Bijou Community Park is located within Plan Area Statement 101 Bijou Meadow. The land use classification is recreation. Most of this area is undeveloped although there are existing uses consisting of some residential uses and other developed facilities. An important recreation use in the winter is cross-country skiing.

Bijou Community Park offers a range of recreational activities for visitors. These include a 27-hole disc golf course equipped with DISCatcher Pro (28 chains) Targets, areas for skateboarding, scootering, and rollerblading in the skate parks, and the South Lake Tahoe BMX off-road racetrack, which has hosted community events over the years. Additionally, there are two pump tracks within the park. The park also features a dedicated dog park with an agility section, along with amenities such as a children’s play area, basketball and volleyball courts, and a railroad exhibit.

Surrounding Land Uses

	<i>Plan Area Statement</i>	<i>Land Use Classification</i>
North	Bijou / Al Tahoe	Commercial/ Public Service
South	PAS 101, Bijou Meadow	Recreation
West	Bijou / Al Tahoe	Commercial/ Public Service
East	PAS 094, Glenwood	Residential

Project Considerations

A public meeting was held at Bijou Community Park on July 15, 2023, where public input was received regarding trail alignment, safety, and compatibility with other Bijou Community Park uses. After considering this input and the availability of funding for construction, the City design team is proceeding with planning and design work to construct a new Class 1 multi-use trail between the northern entrance to Bijou Community Park and the Johnson Blvd intersection (northern segment), where the trail will connect with the existing Al Tahoe Mobility Trail, and between the southern entrance to Bijou Park and the Greenway (southern segment).

As part of the project design process and in response to concerns raised at the July 2023 public meeting, the City has reached out to the community through an online survey (in English and Spanish) for input on the project and preferred trail alignment. The survey was available online from January 26, 2024, through February 15, 2024, and intended to allow community members to learn more about the project and to provide additional input on two

options for trail alignment between the Greenway and the southern entrance to Bijou Community Park.

The Southern Segment would be constructed adjacent to Al Tahoe Blvd between the roadway and the Bijou Bike Park and loop trail (See Exhibit 2 – Path Design Options).

South of the Bike Park, there are two trail alignment options under consideration that were vetted for community feedback. The map (Exhibit 2) shows the two Southern Segment Options.

- Southern Segment Option A: This option aligns the trail closer to Al Tahoe Blvd and moves it outside of the disc golf area. However, it would run close to tee box 21 and may require a minor relocation of this tee box. This alignment would require 17 trees over 6” diameter to be removed and require a culvert to avoid or improve the existing drainage ditch.
- Southern Segment Option B: This option would connect to the Dennis T. Machida Memorial Greenway through an existing corridor between the disc golf course Hole 20, Tee 22, and Fairway 21. There is an existing dirt path and tree openings along most of this alignment. However, 22 trees over 6” in diameter would need to be removed. Although this alignment will not require adjustments to the existing disc golf course, safety concerns have been raised about placing this alignment close to fairways, holes, and baskets. This alignment could require a culvert to avoid conflicts and improve an existing dirt drainage ditch.

The survey received 170 responses overall. Option A received 54% (86 responses), and Option B received 46% (73 responses). See Exhibit 3 – 2/16/2024 Survey Results.

On March 20, 2024, the two trail alignment options and public survey results were presented to the Park and Recreation Commission in an open, publicly noticed meeting. This meeting includes an opportunity for public comment and feedback and questions from the Commission on the project design. There was a good discussion on both Option A and B, including justification for the selection of Option B, mostly based on the reality that people currently take that route as the shortest, most direct option and will likely do so in the future regardless of the formal location of the Path. A representative from the disc golf community noted the disc golf community could support Option B, since people walk in this path currently. The additional signage for both user groups was discussed, along with options for low-level vegetation to separate key portion of the trail where there is potential overlap for disc golf throws. A major concern from the disc golf community is near hole seven and where the path would run from Johnson Boulevard to the northern entrance to the park. The trail was requested to be placed between the curb and the electric box, as shown in Exhibit 4- Updated Segment Between Johnson and Driveway.

Project Review

Land Uses:

The proposed trail connector multi-use project is defined as a Transportation Route use. The use is a permitted use in Bijou Meadows Special Area #1

Flood Zone:

The project site is located within Zone X, areas determined to be outside the 0.2% annual chance floodplain and is an area of minimal flooding.

Design Review:

Development Services Department staff has reviewed the proposed project for consistency with the City-Wide Design. The proposed curbs will be a six-inch vertical concrete curbs unless otherwise required by Caltrans or the city of South Lake Tahoe. Any proposed street lighting shall be 12 feet high and shall be spaced 50 feet on center along the curb. The recommended style of the lights is provided in the appendix pertaining to the adopted CSLT lighting standards. (Ord. 903. Code 1997 § 5-12).

Building Code Review:

The proposed project is proposing to install curb cuts and ramps that are consistent with the California Building Code and standards of accessibility. A condition of approval requires the project to comply with accessibility standards and the building official's final approval of the plans before the project is bid for construction.

Public Improvement and Engineering Standards (PIES):

Conditions of approval include the final design will meet the standards of the City adopted PIES. As stated in the proposed conditions of approval, construction level detailed plans require final review and approval from the City Engineering Division

FINDINGS

This project is included as a priority connection in the Regional Active Transportation Plan, LTUSD Safe Routes to School – Middle School Connectivity Plan (2015), Lake Tahoe Environmental Improvement Program (TRPA EIP), and the City of South Lake Tahoe Capital Improvement Program (CIP).

The South Lake Tahoe Parks, Trails, and Recreation Master Plan

The project is consistent with the South Lake Tahoe Parks, Trails and Recreation Master Plan (2014) and consistent with the following recommendations:

Recommendation B.3.a. Renovate/complete the development of Bijou Park When adding new amenities and facilities, ensure that new elements are designed and developed to minimize user conflicts, ensure proper site circulation and ADA access, follow policies for lighting, encourage use during the shoulder season, protect natural areas, and create a cohesive park environment with appropriate support amenities such as parking, restrooms, signage, bike racks, tables and benches.

Recommendation C.3.a Extend the South Tahoe Greenway Where possible, foster trail connections to popular recreation destinations such as Bijou Park, Regan Park, Tahoe Paradise Park, Lakeview Commons, South Lake Tahoe Recreation Area, and any new large

park in the Meyers area.

The City of South Lake Tahoe Strategic Plan 2023-2028

The project helps to advance the City's 2023-2028 Strategic Plan through the following priorities:

Priority 1.4 Transportation, Action Item 1 Prioritize the implementation of trail and complete street projects including continued progress of the Greenway to Van Sickle Bi-State Park.

Priority 2.3 Connectivity Enhance the connectivity of the community for those on foot and bike, while promoting a car-free culture. Support the expanding trail infrastructure with updated wayfinding, public bike repair stations, charging stations, bike racks and winter snow removal. Continue to prioritize the expansion of connector bicycle and walking trails from neighborhoods to the Greenway and other new and existing trail systems.

The City of South Lake Tahoe General Plan

The proposed project is consistent with the following policies of the General Plan:

Policy LU-10.8: Improvement Coordination The City shall coordinate timelines for all future improvements for bike trails, sidewalks, pedestrian paths, curbs and gutters, silt ponds, road work, BMP and utility work to sustain budgets and prevent transportation difficulties

Policy LU-2.5: Bijou/Al Tahoe Community Plan Area The City shall encourage the creation of a viable residential neighborhood with appropriate neighborhood amenities and compatible high quality family-oriented recreation and public facilities including government offices.

Policy TC-1.9: Alternative Modes and Fuels The City shall promote more effective use of alternative transportation modes (e.g., walking, bicycling, and public transportation) and use of electric/alternative fuel vehicles. The City shall also support the development of alternative fuel and electric car charging stations. Sources: South Lake Tahoe Smart Growth Principles.

Policy TC-3.1: City Bikeways to the Regional Bikeway System Linkages The City shall link city bikeways to the larger regional bikeway system. This includes a bike trail system that links the Ski Run Marina to the Stateline casino core, the Lakeside Beach area, the mountain area (Van Sickle), Ski Run Boulevard, Tahoe Valley area, and ultimately to the future Greenway bike system. This system will also provide a connection to the Douglas County bike trail system on Lake Parkway, Highway 50, and the mountainside loop.

Policy TC-3.4. Bike Route Signage The City shall provide appropriate signage, striping, and symbols in accordance with the California Manual of Uniform Traffic Control, for easy rider way-finding through the city bikeway system. The City shall explore the use of sharrows where bicyclists share the road with vehicles.

Policy TC-3.13: Bicycle Trail Crossings The City shall enhance crossings at bike trail and roadway intersections to provide improved safety and encourage additional use.

These policies outline coordinated efforts to improve transportation infrastructure in South Lake Tahoe. The Bijou Park Connector Multi-Use Trail Project will support the focus on

creating vibrant residential neighborhoods with appropriate amenities and promoting alternative transportation modes and fuels (LU-2.5, TC-1.9). Furthermore, the project aims to integrate the multi-use trail with the regional system, enhance signage for wayfinding, and improve safety at trail and roadway intersections to encourage increased bicycle usage (TC-3.1, TC-3.4, TC-3.13) by connecting the Al Tahoe Mobility Project with the Dennis T. Machida Memorial Greenway and incorporating a crosswalk to enhance safe access to the trail from Lake Tahoe Community College.

South Lake Tahoe Airport Land Use Compatibility Plan:

The proposed project is not located in any of the identified Safety Zones pursuant to the Lake Tahoe Airport Land Use Compatibility Plan.

FINANCIAL IMPLICATIONS

In addition to previously secured Community Development Block Grant (CDBG) funds, the City is currently pursuing funding from the Bicycle Advisory Committee (BAC) and Tahoe Regional Planning Agency Air Quality Mitigation fund program to construct the Class 1 multi-use trail segment adjacent to Al Tahoe Blvd between the two Bijou Park entrances, and if funded, that segment may be included in the project or as a future phase.

ENVIRONMENTAL ANALYSIS

California Environmental Quality Act

Construction of a finished bike path that will closely follow existing worn footpaths through the City Park is considered categorically exempt under guidelines section 15301 (Class 1) exemption for Existing Facilities, which exempts minor alteration of existing public facilities involving negligible or no expansion of existing use and section 15304 (Class 4) Minor Alterations to land, including grading on land with a slope of less than ten percent and the creation of bicycle lanes on existing right-of-way. As required by the federal funding and for the TRPA EIP permit, NEPA and an associated TRPA IEC will be completed for those concurrent requirements.

PUBLIC NOTICE AND PUBLIC COMMENTS

A public notice was mailed to property owners within 300 feet of the property on April 5, 2024. A notice of the April 18, 2024, Planning Commission Meeting was published in the Tahoe Daily Tribune on April 5, 2024.

Any comments received will be transmitted to the Planning Commission and posted on the City web site.

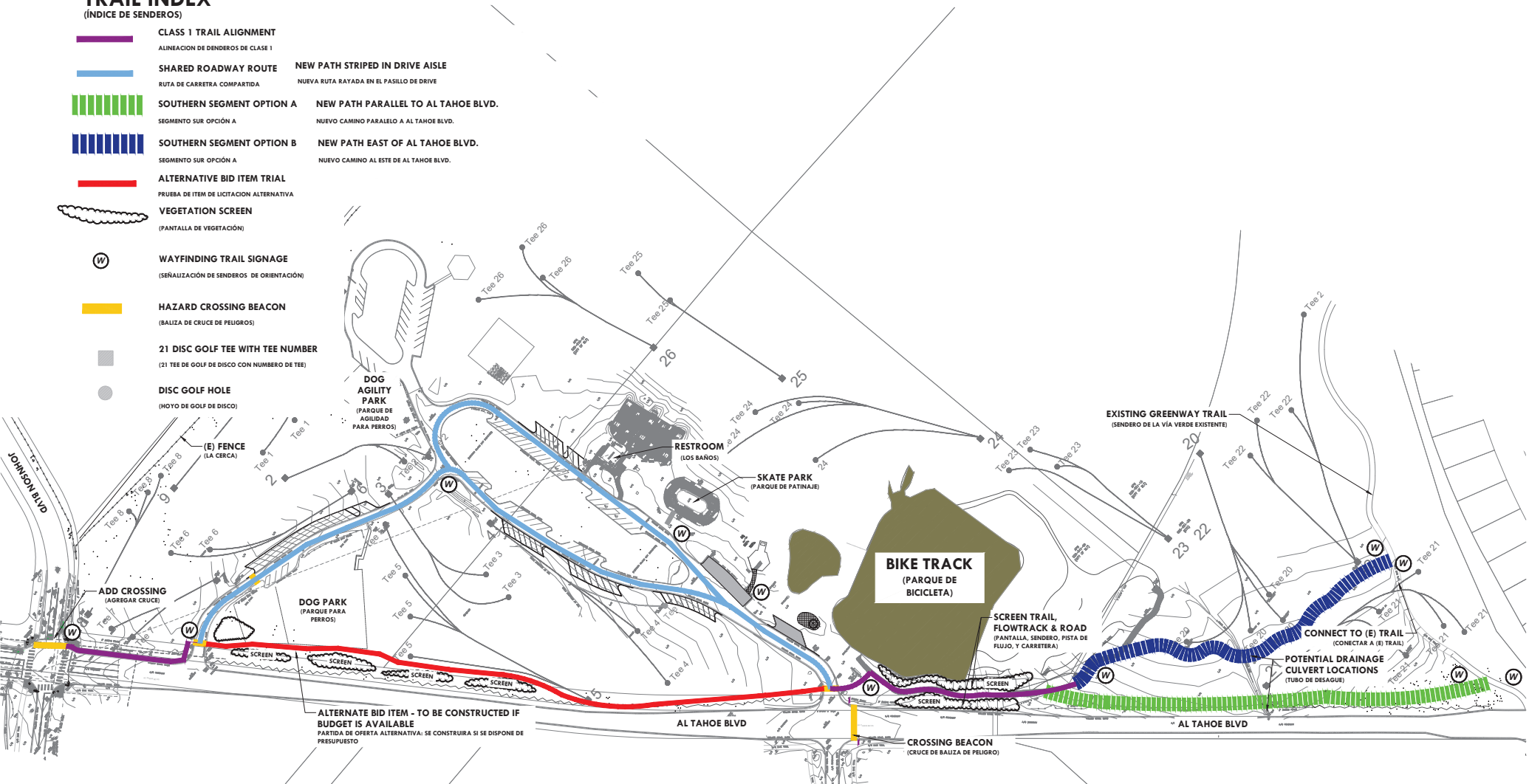
POLICY IMPLICATIONS

The approval of The Bijou Park Connector Multi-Use Trail Project does not present any discernible policy implications. As delineated in the staff report, the proposed Project aligns with established land use and zoning designations, demonstrating adherence to several General Plan policies aimed at enhancing connectivity through diverse modes of transportation to regional bikeways, while concurrently emphasizing the integration of safety protocols.

TRAIL INDEX (INDICE DE SENDEROS)

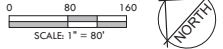
-  CLASS 1 TRAIL ALIGNMENT
ALINEACION DE SENDEROS DE CLASE 1
-  SHARED ROADWAY ROUTE
RUTA DE CARRETERA COMPARTIDA
-  SOUTHERN SEGMENT OPTION A
SEGMENTO SUR OPCION A
-  SOUTHERN SEGMENT OPTION B
SEGMENTO SUR OPCION A
-  ALTERNATIVE BID ITEM TRIAL
PRUEBA DE ITEM DE LICITACION ALTERNATIVA
-  VEGETATION SCREEN
(PANTALLA DE VEGETACION)
-  WAYFINDING TRAIL SIGNAGE
(SEÑALIZACION DE SENDEROS DE ORIENTACION)
-  HAZARD CROSSING BEACON
(BALIZA DE CRUCE DE PELIGROS)
-  21 DISC GOLF TEE WITH TEE NUMBER
(21 TEE DE GOLF DE DISCO CON NUMERO DE TEE)
-  DISC GOLF HOLE
(HOYO DE GOLF DE DISCO)

-  NEW PATH STRIPED IN DRIVE AISLE
NUEVA RUTA RAYADA EN EL PASILLO DE DRIVE
-  NEW PATH PARALLEL TO AL TAHOE BLVD.
NUEVO CAMINO PARALELO A AL TAHOE BLVD.
-  NEW PATH EAST OF AL TAHOE BLVD.
NUEVO CAMINO AL ESTE DE AL TAHOE BLVD.



BIJOU CONNECTOR TRAIL - SOUTH LAKE TAHOE

SCHEMATIC PATH DESIGN OPTIONS

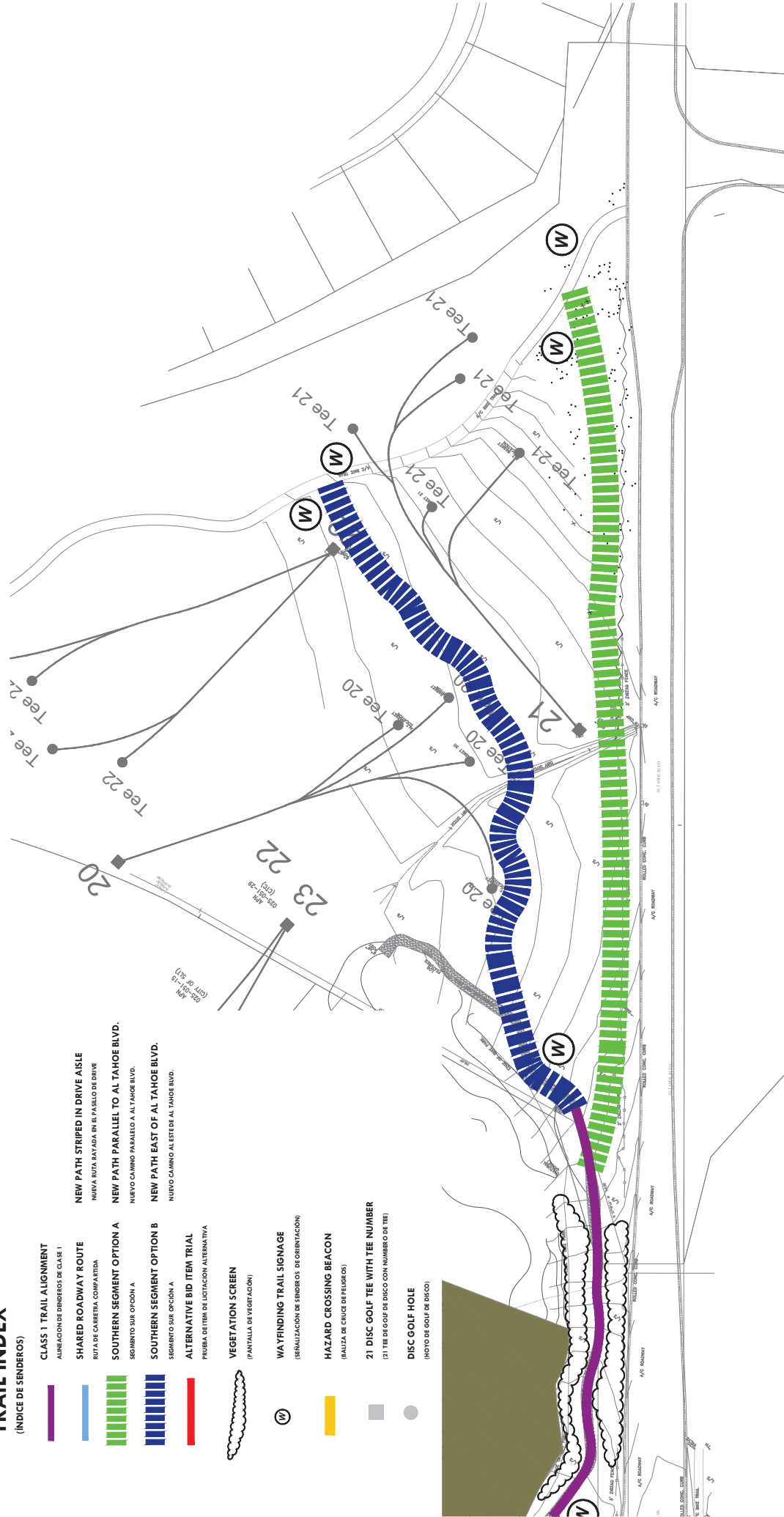


2024-1-26
PROJECT: #2489
DRAFTER: MK

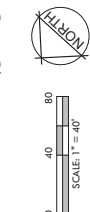


TRAIL INDEX (INDICE DE SENDEROS)

-  CLASS 1 TRAIL ALIGNMENT
ALINEACION DE SENDEROS DE CLASE 1
-  SHARED ROADWAY ROUTE
NUEVA RUTA PAVADA EN EL PASILLO DE DRIVE
-  NEW PATH STRIPED IN DRIVE ASBLE
NUEVA RUTA PAVADA EN EL PASILLO DE DRIVE
-  SOUTHERN SEGMENT OPTION A
SECTORIO SUR OPCION A
-  SOUTHERN SEGMENT OPTION B
SECTORIO SUR OPCION B
-  ALTERNATIVE BID ITEM TRIAL
PRUEBA DE ITEM DE LICITACION ALTERNATIVA
-  VEGETATION SCREEN
(PANTALLA DE VEGETACION)
-  WAYFINDING TRAIL SIGNAGE
(SEÑALIZACION DE SENDEROS DE ORIENTACION)
-  HAZARD CROSSING BEACON
(BALIZA DE CRUCE DE PELIGROS)
-  21 DISC GOLF TEE WITH TEE NUMBER
(21 TEE DE GOLF DE DISCO CON NUMERO DE TEE)
-  DISC GOLF HOLE
(HOTO DE GOLF DE DISCO)



2024-1-26
PROJECT #2489
DRAFT MK
CURE:



BIJOU CONNECTOR TRAIL - SOUTH LAKE TAHOE

SCHEMATIC PATH DESIGN OPTIONS





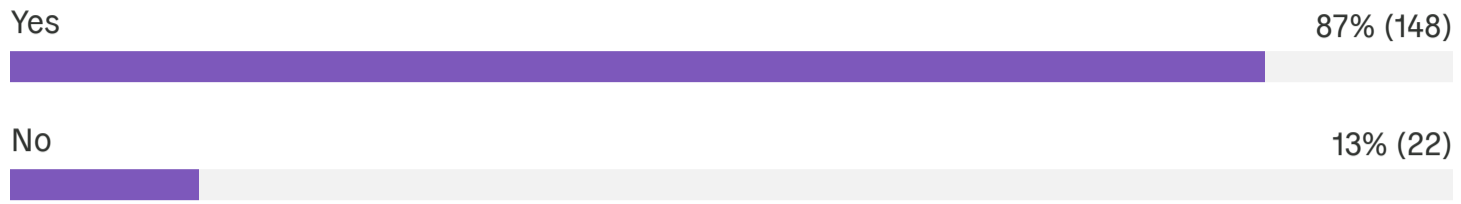
CITY OF
SOUTH LAKE TAHOE

Bijou Park Connector Multi- Use Trail Survey

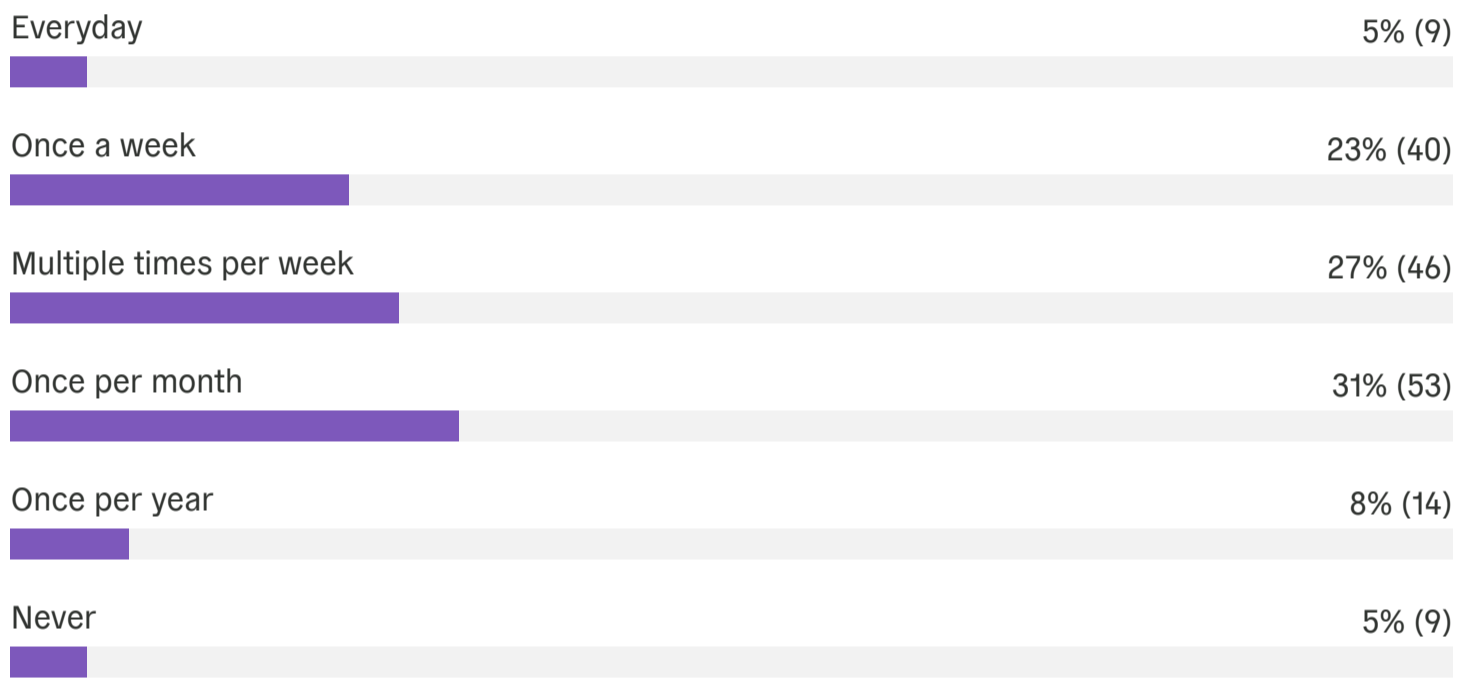
Survey Results
FINAL

02/16/2024

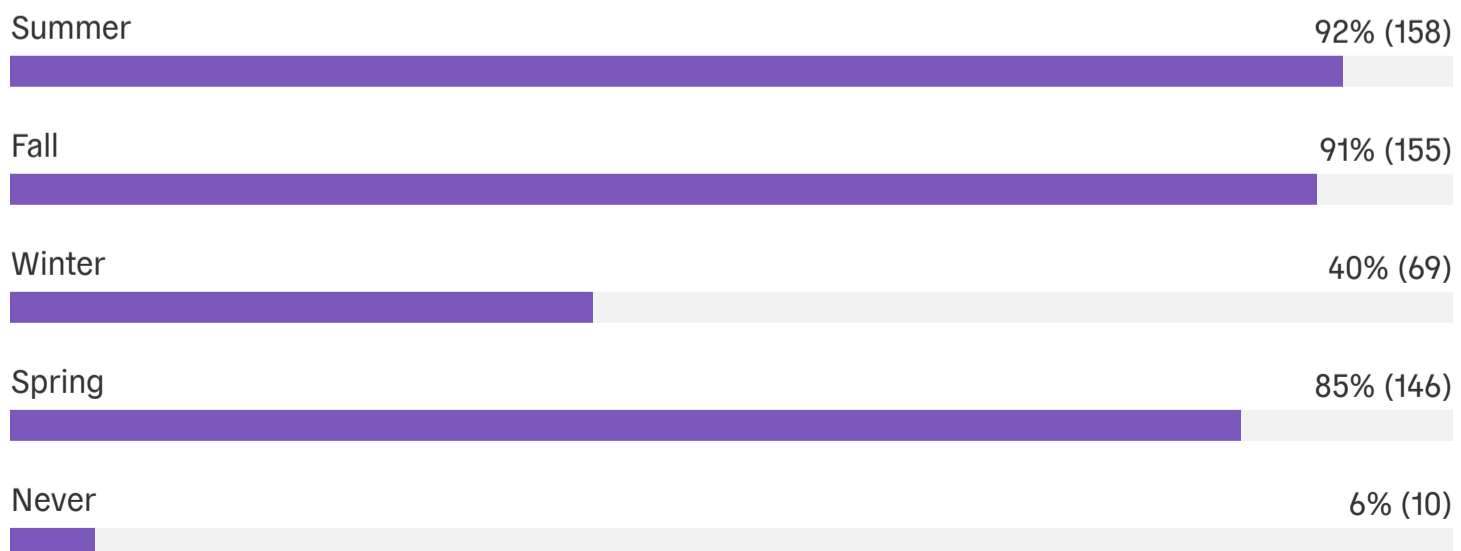
Once the Bijou Connector Trail is constructed, do you anticipate using the trail to access Bijou Park?



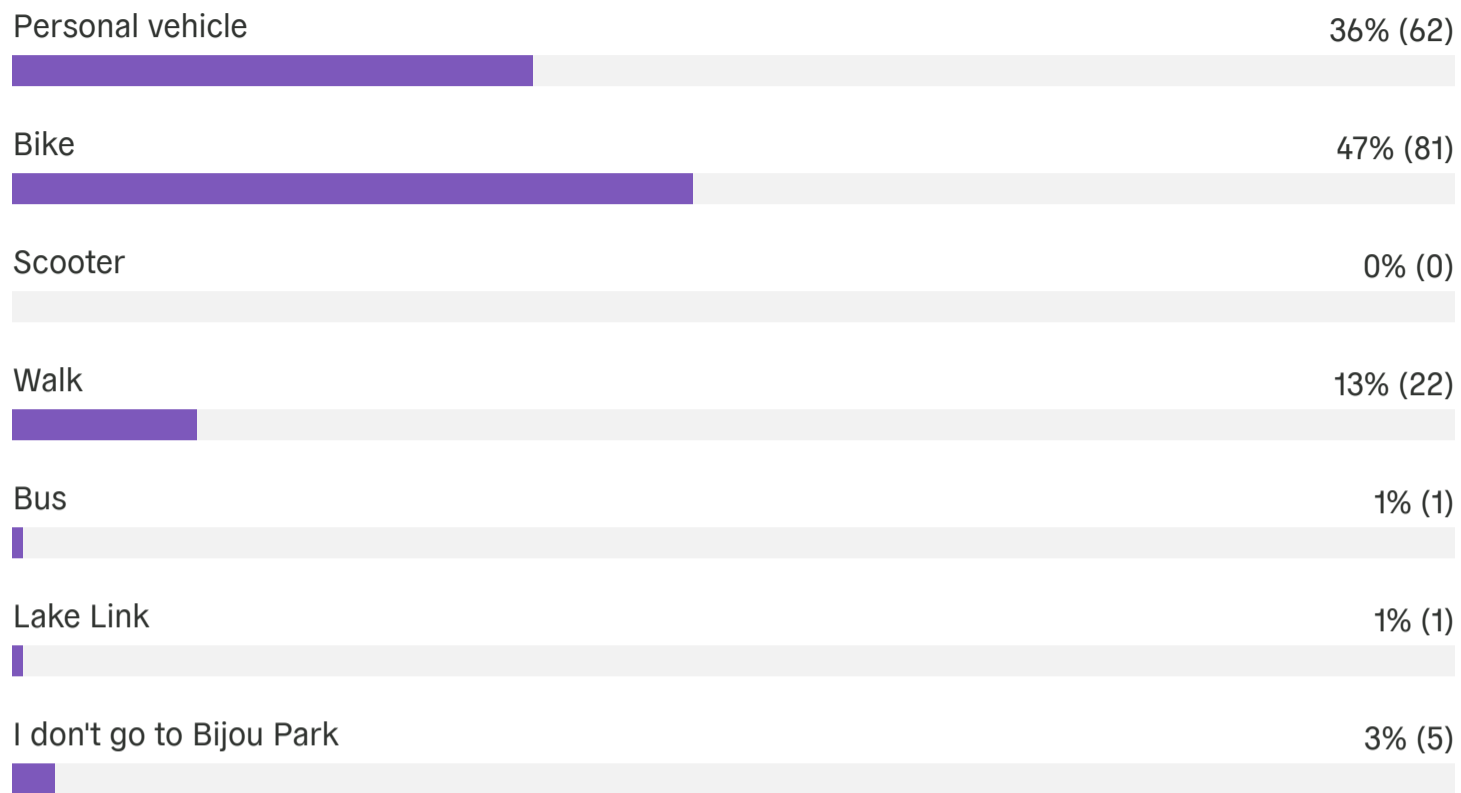
How often do you anticipate using the Bijou Connector Trail?



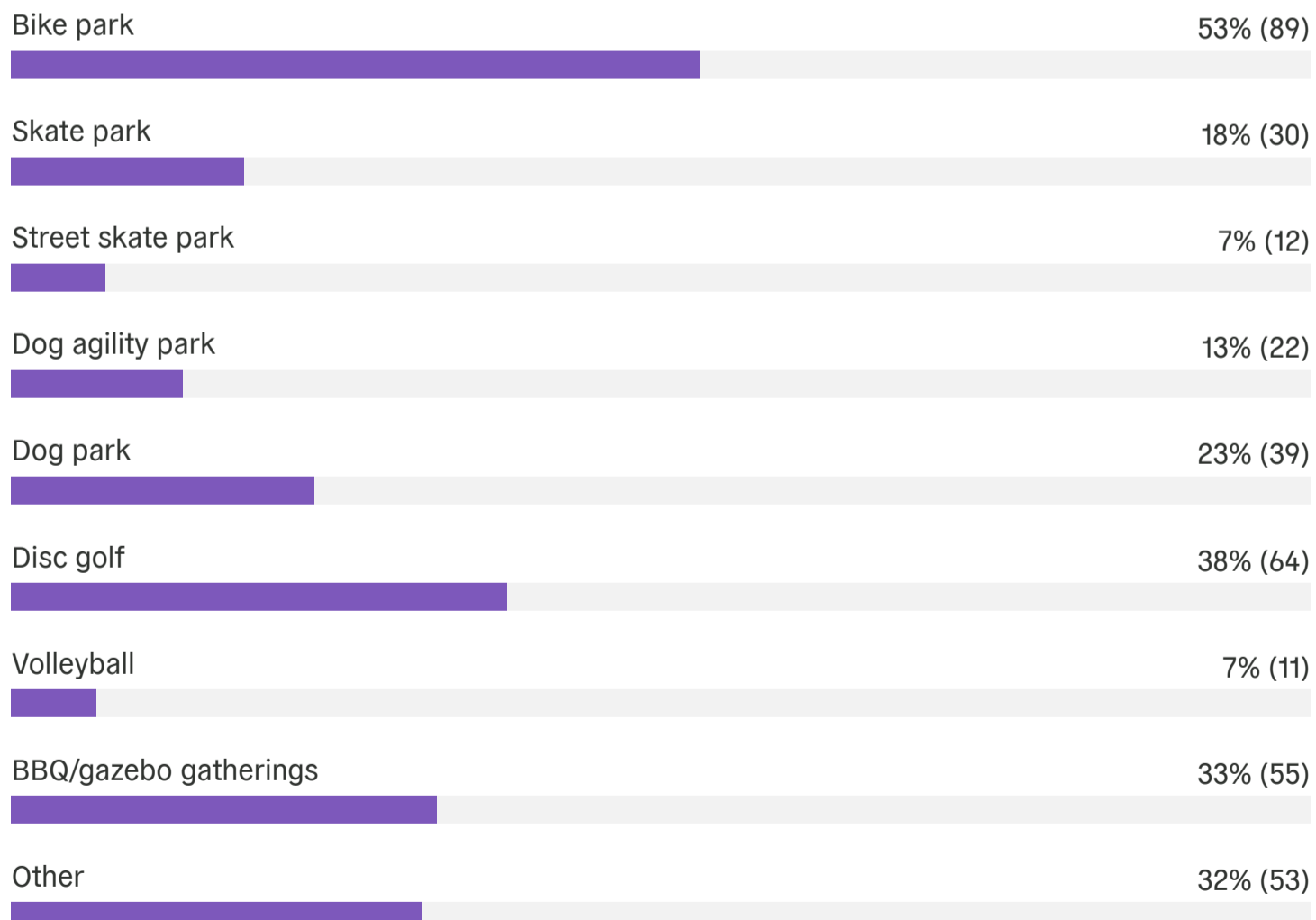
The City of South Lake Tahoe will be conducting regular maintenance activities including winter snow removal. During what times of the year do you anticipate using the Bijou Connector Trail?



What mode of transportation do you currently use most to access Bijou Park?



What activity or activities do you primarily participate in at Bijou Park? Check all that apply.



If you selected "Other", please specify:

Meadow dog walks

biking

Relaxing

Picnic

running/walking through

Help maintain Bijou Bike Park

I just ride my bike around

playground, City events

kids playground

Play ground

Playground

All community events, PD, Court, County buildings

travel through

The park is an access route for me to travel from one side to the other.

playground

Running/biking on trails

Playground

Community events

Pass through to exercise

Walking/running

Walking, catching frogs, flying kites, pushing stroller, riding bikes and scooters

walking, community events, etc...

Playground

Child play park

Playground

Playground

playground, meadow walking trails

Children's Playground

Swings

community events- Earth Day, etc.

Playground

Earth Day, walking with friends

Regular walking

Being outdoors and hanging out

Exercise, walking

Events

Walking around the meadow

WaLking paths

Walking through.

walking in bijou meadow

Biking and walking

playground

we love to ride our bikes through the area and to visit the park to observe activites

events, outside, chill, hang out

Community events -and for walks from or to bijou neighborhood from Itcc

none; we spend time on the Western side of town - please consider more improvements there / Pope Beach area.

occasional community event-Earth Day

Gather with friends. Its a good halfway point for us all.

Walking around area

Playground

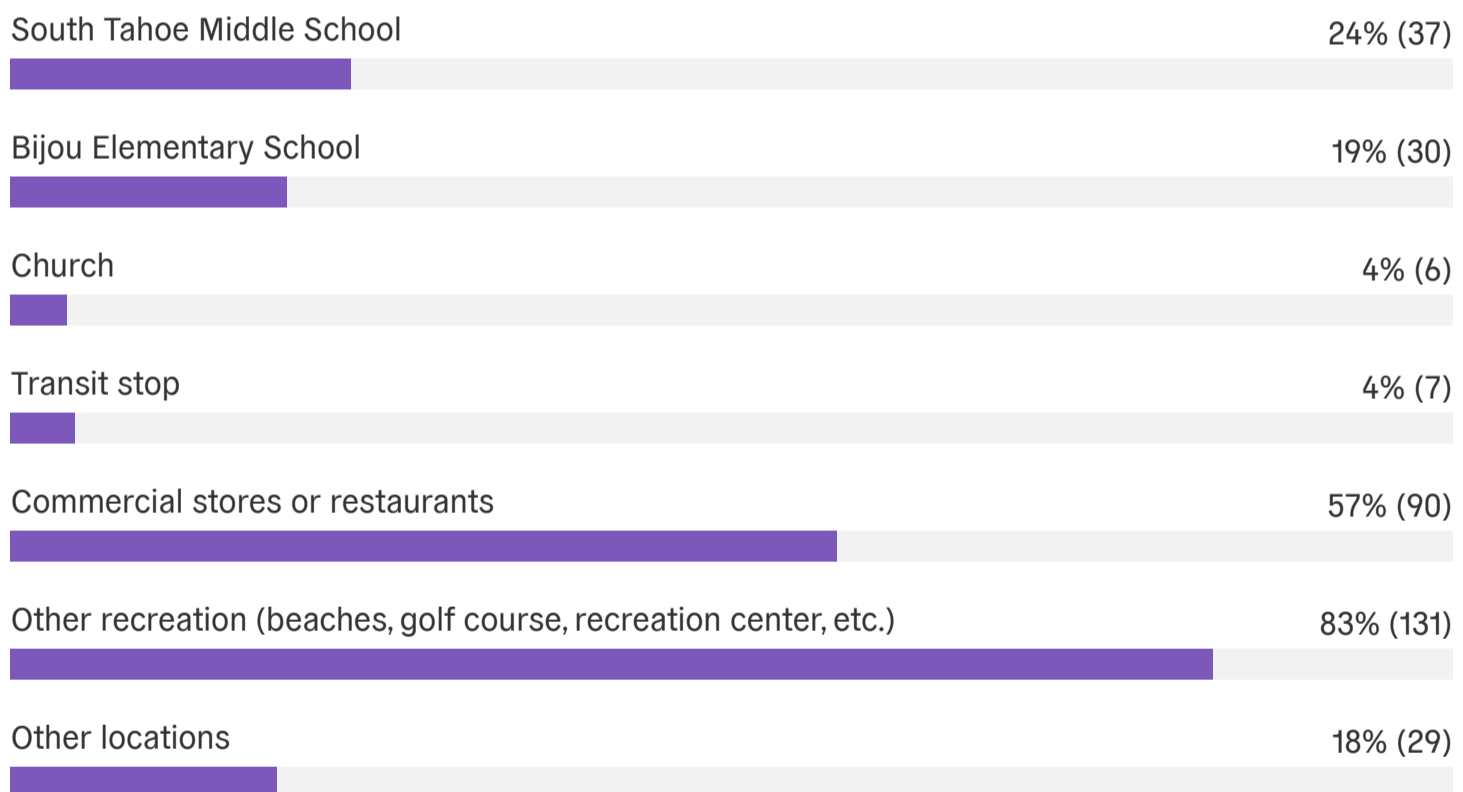
My family lives in the Pioneer Village neighborhood very close to Bijou Park. We often go on long walks and bike rides through the Greenway, the park, and Lake Tahoe Community College mostly for leisure but also to get from place to place.

Playground

community events

Will you use the Bijou Connector Trail to access any of these locations?

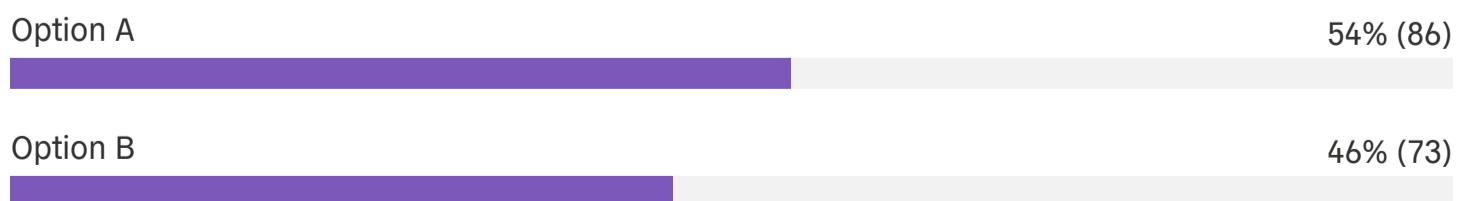
Check all that apply.



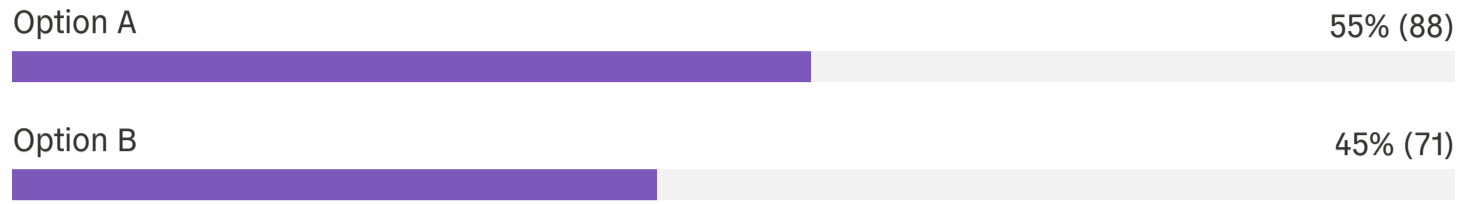
If you selected "Other", please specify:

- Home, work and friends homes
- Coming back from whatever trail I used when I'm done mountain biking
- Work, LTCC
- The college
- connect from AL Tahoe Blvd.
- Primary access route for me to move from one side of the park to the other.
- My home
- Connection to surrounding bike/ped network
- Get home
- Other trails
- I won't be using it
- home
- Work
- we live in meyers we dont go into city to recreate
- South Tahoe Bikeway
- Post Office mail pickup
- friends' homes
- new rec center once it is built
- LTCC
- Sierra Tract area to Bijou Park
- Friends homes
- to cross at traffic light to go to LTCC
- I ride through the park to go to my workplace
- Mtn Bike trails
- Friends in the bijou and pioneer village neighborhoods
- none; we spend time on the Western side of town - please consider more improvements there / Pope Beach area.
- LTCC, connect to the Greenway, etc.
- Library, work

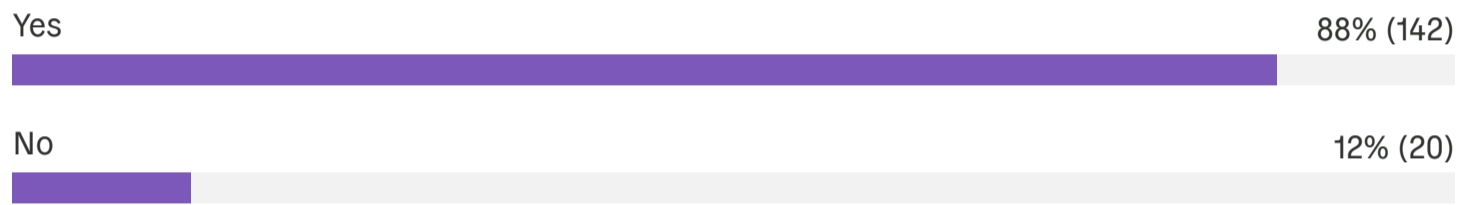
Which alignment option do you prefer between the Bike Park and the Greenway (Southern Segment)?



In your opinion, which Southern Segment option is the safest for users of all ages and abilities?



Would you utilize the segment of trail adjacent to Al Tahoe Blvd between the Bijou Park driveways if it was included in the project?



If you have additional suggestions on ways to improve the Bijou Connector Trail project, please include them here:

Option A seems like the best option to minimize disruption and potential issues with crossing the disc golf course as it seems would be a problem in option B

Being further away from Al Tahoe Blvd & less of a straight line makes option B more attractive.

Thank you for connecting the neighborhoods- the bike/walk trails are awesome

Thank you for the opportunity to give input!

Not sure what else to add

I'd love for the path to make it towards Bijou shopping center

I think the trail additions will help the middle schoolers biking to school and likely more of them will bike once they see how easy it is to get back and forth to neighborhoods on the other side of the park. I also think it might be better to keep the trail on the (in plain view) visible area (option A) for related safety reasons. Another benefit of it being visible at Al Tahoe Blvd. will be that more people will know there is more bike trail there, such as the bicyclists that mistakenly ride in traffic on that side of Al Tahoe roadway, and don't see the two-way bike trail on the other side of Al Tahoe. Lastly, of course it needs to connect to Johnson Blvd so we can have less students/adults having to cross back and forth across the roadway.

NA

It was be nice to have educational signs of natural flora and fauna, how to recreate responsibly, cultural history (Washoe tribe), etc. along the path.

I am surprised to learn that this will not connect all the way to Johnson Blvd and STMS. That "unfunded segment" is a choice not a reality. It's crazy to me that the City spends so much money on these projects. This land is all high capacity and there is no good reason that this project has taken so many years to build and is now shrinking because the City wastes too much money on expensive consultants and doesn't just do these things quickly and cheaply in house.

Don't change the disc golf course

Not suggestion, just a comment. Although I enjoy riding through trees, there are many homeless and bikes turning off the bridge in Sierra that are detrimental to the neighboring areas. So I have chosen A only because it is more visible from Al Tahoe roadway and so safer.

What about Herbert to Ski Run????

None

This is a classic example where design should not trump user experience. The blue option, that traverses through the park, is the preferred option, from a user experience perspective. Don't make Greenway riders climb the hill before turning north toward highway 50. Please apply some common sense to this design, even if the public gets it wrong. Thanks.

Plans for additional access need to keep in mind the residents northwest in the Bijou neighborhoods along Glenwood and Al Johnson blvd. Without a plan for the northern areas of Bijou Park and the golf course, this does seem redundant. The Al Johnson class 1 project, as well as protected lanes that connect on the other side of the meadow towards Bijou School (fairway drive, glenwood ave) and north-northwest of the meadow, there still is a complete lack of safety in accessing that other side of the meadow to the connector into bijou park. I understand the herbert ave connector is there, but anyone accessing from the northwest within Bijou neighborhoods is all on high trafficked throughfare streets. Without planned connections through the meadow and golf course towards the Safeway, Whole Foods, etc, and no long term bike lanes connecting herbet, blackwood, etc to Ski Run, there's a 'missing middle' of the broader plan which makes these improvements to the Bljou Park itself seem like it will be underutilized.

I don't understand question 11. Why do you not also have these questions in Spanish?

There needs to be a crosswalk with a user activated lighted signal for the main entrance into Bijou park!

A cross walk with warning lights needs to be installed at Bijou park across from the college entrance

Always more signage.

No

My family uses the park for all sorts of purposes, especially biking and disc golf. I feel option B would increase conflict between golfers and non-golfers. I see little upside vs option A and significant downside.

It is important that bike trails do not have too many crossings / stopping points or else they will not be attractive to cyclists. An example is the bike path along 50 between Al Tahoe and Tallac, where the excessive amount of stop signs make them effectively ignorable and cause conflicts with vehicle traffic. Raised crossings over roadways provide better safety and separation for cyclists while clearly stating their right of way to drivers. It is critical that cycling is made as safe and convenient as possible in order for it to have an impact on reducing traffic and emissions in our community.

Despite option B being the quicker option for me to the park since I live in Bijou neighborhood, Option A closest to Al Tahoe will do a better job of separating uses in the park to keep people safe. It also does get more sun in the winter and will melt off quicker after storms and in the spring.

just please don't put it to close to the disc golf course.

Larry Hoagland

Traffic signal xing

Please connect to the Y

Save the visual screening for the bike park. It's cool to show it off to passers by.

I like the idea of option B going through the woods and being away from Al Tahoe Blvd, but am worried about safety from proximity of the disk golf course and this route passing through two sections of the disk golf course. If risk from the disk golf course could be mitigated, I would pick option B but right now am picking option a, even though I think option B would be a more appealing and interesting alignment for the bike/ped user.

Very confusing survey. The graphics are terrible and don't even match the legend. I hope someone went on site and makes sure this works with the bike park trails and other existing park uses. The easiest approach would be to connect the exiting outer loop dirt trail at the bike park with the new asphalt greenway trail and continue that through the front of the park along Al Tahoe Blvd. A trail connection is needed, just don't overthink it and don't destroy what's already there. The disc golf and bike park are great. Thanks

During peak season, bike park users park off of Al Tahoe in the brush alongside the bike park. Consider putting in barriers. Also, the proposed segments A & B appear that they will be prone to conflict with bike park users - there is a fair bit of back and forth by users, and the area is often clogged with parents/spectators, making for a bad stretch of proposed bike path without separation between users. Also surprised that there is no mention of using the playground as a typical use to reflect the large number of families that it draws.

Is it to much to ask for another stop light or more prominent crosswalk to the EXISTING BIKE TRAIL. Across the street. Maybe a dirt trail Instead of more pavement, more cutting of trees, disruption to existing park.

yes more trails please . Meyers needs a bike park at paradise park near lake baron more than anything

I urge the City to find money that compliments existing sources and matches additional money so it may construct the entire trail project at one time.

More bike trails are better for the community!

Please build the entire path, do not force people to bike through the parking lot with small children. The path on Al Tahoe is great, and so is the new Dennis Machida trail. Please don't cheap out and do a lousy city corner cutting and not build the whole trail. This was supposed to be part of the regional trail network, do it right.

Would be most beneficial to have the path along Al Tahoe, as there is currently no safe path along the park side of the road and nowhere to cross except for at the A Tahoe/Johnson crosswalk that goes directly to the park.

Thank you!

Benches available for resting along the way would be much appreciated!

The section between the two driveways is a must. A lot of people using the connector will continue on to the Johnson blvd intersection. My son uses this path to ride to the middle school everyday that weather permits via the new trail from Glenwood and has slipped and crashed in the unstable sand before.

Plow in winter!

Please do not destroy part of the bike park to build this

Get it done asap. Keep it clear of snow during winter.

n/a

Q9 & 10 are phony. Options A & B are hard to decipher, unclear

N/a

none; we spend time on the Western side of town - please consider more improvements there / Pope Beach area.

Nothing to add

Be careful about including the path by disc golf - there could be user conflicts.

No comments

Need this path asap! Thanks

I encourage the designers of the Bijou Connector Trail to optimize the connection for connectivity to the Greenway to the east, as cyclists connecting to the west are more likely to use the path on the other side of Al Tahoe. I hope the designers consider the spacing and sight lines between disc golf baskets and the trail to avoid potential conflicts. Finally, I highly recommend that the City plan for sufficient snow storage space between the bike path and the road. I anticipate using this trail in the winter and hope that snow removal remain a priority.

Southern segment: Coming from the east on the trail there's a short (but somewhat steep) uphill section right before reaching Al Tahoe Blvd. I prefer option B for the southern segment because it would avoid the unnecessary climb/descend. Naming: I'm not going to remember names like Dennis T. Machida Memorial Greenway. We don't name streets like this. Can we please come up with simple memorable (and more easily signed) names? (Something like Sierra trail, Nevada trail, Red trail, Blue trail, SLT 1, etc.) MUT: Combining pedestrians, dog walkers, bicyclists, e-bikers, etc. on a single narrow strip of asphalt is a recipe for conflict. Can we, where possible, make an unpaved area/trail next to the paved trail so pedestrians and wheeled trail users can mostly keep out of each others way? This works fairly well for the American River trail.

I am principal landscape architect of Disc Golf Landscape Architecture (DGLA) alongside co-principal William McKissock. Personally as a volunteer we have worked closely for years with STDGA to develop their 'pine cone bunker' strategy for onsite resource conservation, course legibility and aesthetic appeal, as well as spearheading efforts to 'armor' fairways and greens with donated wood chips. Professionally, the newly installed kiosk/course signage graphics were contracted to DGLA. Carson Ridge Disc Golf Park & Interpretive Trails in Carson City was conceived, designed and developed by myself (Mike Plansky) and Will Mckissock (parents were integral to the formation of SLT and Barton) with a LWCF matching grant. It is being increasingly studied nationwide as a model for sustainable disc golf course design. It consists of two courses (1) Stadium 18, highest rated course in NV and the Reno-Tahoe Region on the most popular disc golf app, UDisc (2) Pony Express Disc Golf Trail (highest recommended free 9-hole beginner course in the world/UDisc). It is clear that Option A is preferred, but will require careful design, screening elements (native plantings) and proper landscape 'signaling' from both the disc golf course side and the trail user side. There is also opportunity in that corner of the Park to create a node of entry with bike parking and signage that explains disc golf to the general public and allows parking/locking bikes there and jumping into the course to play disc golf. This way the volumes of (unaware) visitors using the trail can better understand the spatial recreational user integration and overlap in that corner. [We have also collaborated with Carl Ribaud (SMG) in 2017 on a professionally tabulated south shore disc golf user survey at bijou and zephyr showing millions of visitor dollars that disc golf brings each year.] Of utmost concern is the unimproved drainage ditch/swale that drains the low-point off of Al Tahoe Blvd (convergence of north and south flows); concentrated and rushing runoff into the course and over compacted soils towards the meadow, creating deep rills and displacing volumes of silt. I have 100s of photos of effects to soils from storm events of the past. This ditch should be an opportunity to partner with the CTC to 'naturalize' that swale with stone, gravels and

native plantings to slow/spread/sink runoff and create a much needed physical/visual barrier with the bike park area along hole 23, while ramping up aesthetics. Option B is OBVIOUSLY inappropriate and unsafe unless pin positions for hole 21 are altered which will be VERY unpopular with the local disc golf community. Additionally, the future, unfunded 'yellow' trail alignment shows vegetative screening on the wrong side of the trail. Screening should be on the north side of the trail to prevent errant/shanked throws from hitting trail users and/or going into the road. Our professional advice for hole 5 is to realign and/or relocate the tee pad along with proper screening/signaling associated with a future trail design.



LAKE TAHOE BICYCLE COALITION

PO Box 1147 | Zephyr Cove, NV 89448 | tahoebike.org

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February 7, 2024

City of South Lake Tahoe

Attention: Jason Burke

Submitted via e-mail: jburke@cityofslt.us

RE: Bijou Park Multi-Use Connector Trail

Dear Mr. Burke:

The Lake Tahoe Bicycle Coalition (LTBC) is pleased to provide input on the City of South Lake Tahoe’s (City) Bijou Park Multi-Use Connector Trail. LTBC is a nonprofit, volunteer-led community organization dedicated to making the Tahoe region more bike-friendly. Advocating for bike infrastructure, such as bike paths and bike lanes, is part of that mission.

The Bijou Multi-Use Connector Trail closes a crucial gap between multiple high-quality active transportation facilities, offering great benefits for residents and visitors traveling to and through Bijou Park from numerous South Lake Tahoe neighborhoods, including some of our most underserved.

LTBC strongly encourages the City to include the currently unfunded connector section that parallels Al Tahoe Blvd (the yellow section depicted in the schematic). Connecting the Dennis T. Machida Memorial Greenway at its intersection with Al Tahoe Boulevard to the Al Tahoe Mobility Project and the future Johnson Blvd multiuse path at Al Tahoe Boulevard and Johnson Boulevard this connector plays a critical role in providing a well-connected multi-use trail system. While LTBC does not express an alignment preference, we recommend the City explore more funding options to ensure its timely completion and prioritize winter snow removal for year-round use.

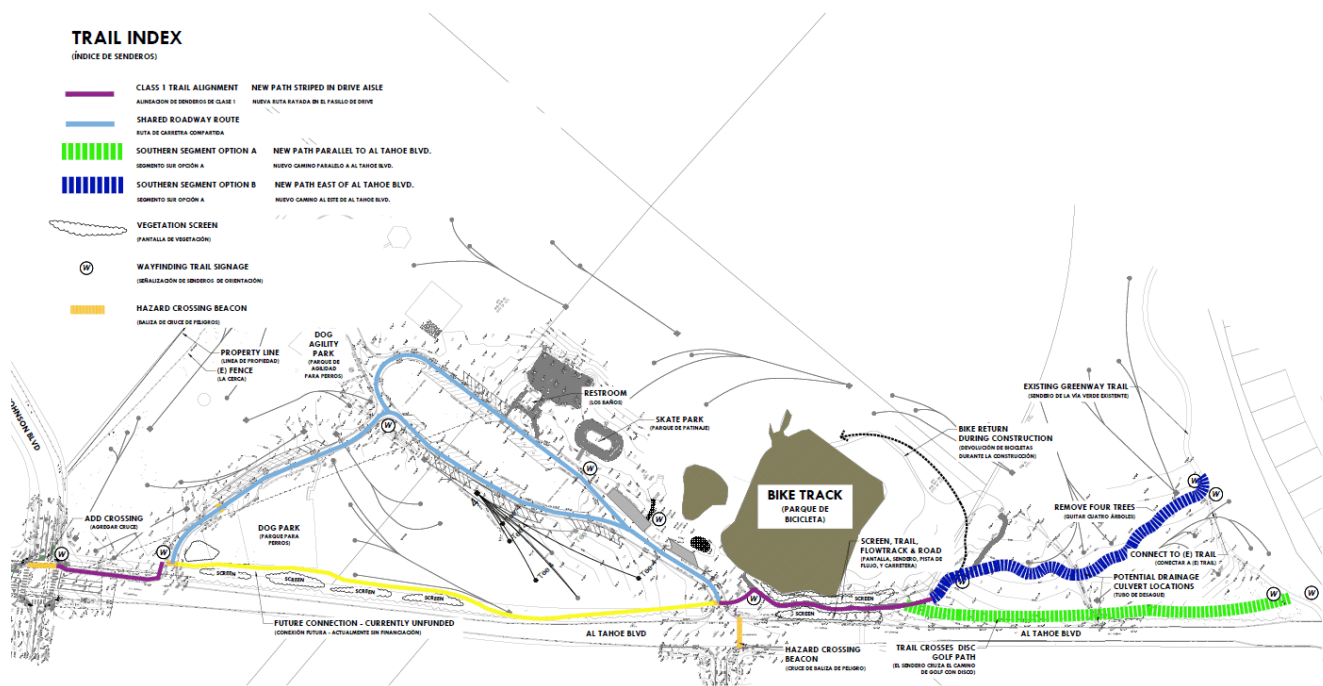
Regarding the southern alignment, LTBC does not have a definitive preference between segments A or B. We encourage the designers to optimize the connection for connectivity to the Greenway to the east, as cyclists connecting to the west are more likely to use the path on the other side of Al Tahoe. We also hope the designers consider the spacing and sight lines between disc golf baskets and the trail to avoid potential conflicts. Finally, we recommend that the City plans for sufficient snow storage space between the bike path and the road.

Regarding the northern trail alignment (marked in purple), we acknowledge the cost implications of removing the right-turn lane. Since LTBC's primary focus is ensuring project completion, we emphasize connectivity to the Al Tahoe and Johnson Boulevard bike paths with flexibility to address disc golf concerns.

Lastly, we appreciate and support the added crosswalk and flashing beacon connecting Lake Tahoe Community College and the Bijou Park entrance. This enhancement contributes significantly to the overall safety of the area.

Thank you for considering our input, and please reach out with any questions. We look forward to supporting the City's efforts to increase multi-use bike path connectivity throughout South Lake Tahoe.

Sincerely,
 Lake Tahoe Bicycle Coalition Board of Directors



BIJOU CONNECTOR TRAIL - SOUTH LAKE TAHOE
 SCHEMATIC PATH DESIGN OPTIONS

MDG | EASTERN SIERRA ENGINEERING | LEADWAY | ESA | TURNER & ASSOCIATES, PC

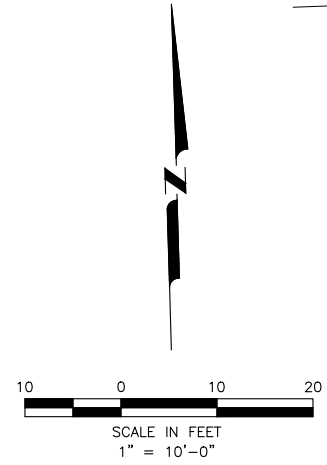
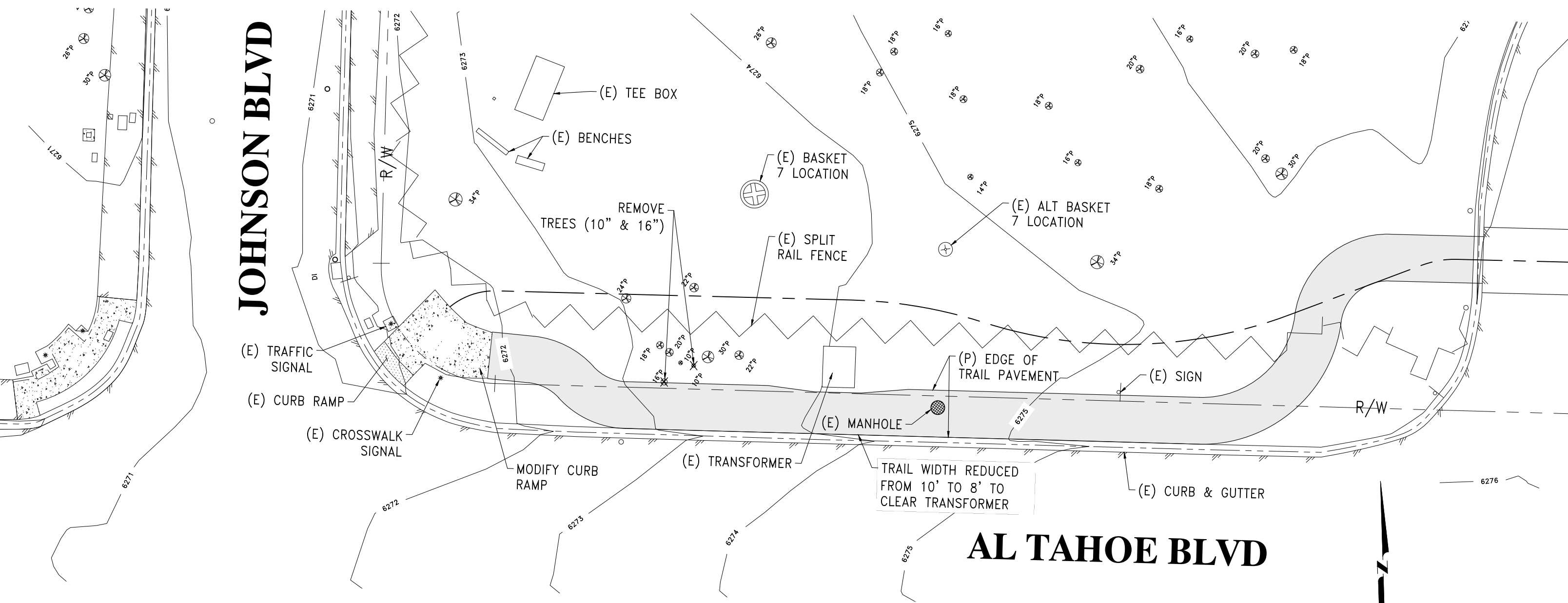
2024-1-19
 PROJECT #2489
 DRAFTED: JAV
 CIB-11

From Bijou Park Connector Multi-Use Trail Survey

JOHNSON BLVD

AL TAHOE BLVD

BIJOU PARK CONNECTOR TRAIL SEGMENT BETWEEN JOHNSON AND DRIVEWAY



TA TURNER & ASSOCIATES, INC.





CITY OF SOUTH LAKE TAHOE

MAJOR DESIGN PERMIT

Project Name: Bijou Park Connector Multi-Use Trail Project
File: 24-032
Location: Bijou Community Park, 1201 & 1301 Al Tahoe Boulevard
Project APN: 025-010-051 & 025-041-009
Owner(s): City of South Lake Tahoe
Applicant: Jason Burke, Complete Streets Program Manager

PROJECT DESCRIPTION

The Bijou Park Connector Multi-Use Trail Project proposes to construct 0.6 miles of bicycle and pedestrian trail that would link the Al Tahoe Mobility Project (constructed in 2020 to Johnson Boulevard) with the Dennis T. Machida Memorial Greenway (Greenway) Trail Phase 1B (constructed in 2021). The project includes a crosswalk on Al Tahoe Boulevard connecting the Lake Tahoe Community College and the Bijou Community Park entrance. The project implements specific goals and policies of the South Lake Tahoe Parks, Trails, and Recreation Mater Plan, The City of South Lake Tahoe Strategic Plan 2023-2028, and the City of South Lake Tahoe General Plan to close a crucial gap between multiple high-quality active transportation facilities through South Lake Tahoe. The trail design complies with the American Association of State Highway and Transportation Officials (AASHTO) guidelines and American Disability Act (ADA) and is designed as a continuous mostly ten-foot wide trail with accessible grades to accommodate all non-motorized user groups.

CONDITIONS of APPROVAL

General:

1. This permit is for the construction of the Bijou Park Connector Multi-Use Trail as described above. If the project is constructed in phases, conditions of this permit shall be applied to each phase.
2. This approval is based on the permittee's representation that all plans and information contained in the subject application are true and correct. Should any information or representation submitted in connection with the project application be incorrect or untrue, the City may rescind this approval or take other appropriate action.

3. The permittee shall obtain all necessary City of South Lake Tahoe building or grading permits prior to the commencement of any construction required for this project.
4. The permittee shall obtain City Encroachment Permits for all work within the City right of way.
5. The permittee shall work with the Humane Society or other community group to provide doggie clean-up bags where the trail enters the meadows.

Prior to Permit Acknowledgement:

6. The permittee shall acknowledge this permit and the conditions contained within by satisfying all conditions of approval and signing below.

Special Conditions:

7. Prior to releasing a request for construction bid, the City Building Official shall review all construction-level detailed plans for ADA compliance.
8. Prior to releasing a request for construction bid, the City Engineering Division shall review all construction-level detailed plans for compliance with the City Public Improvement and Engineering Standards (PIES), including a review of potential impacts of road crossing lights on surrounding residences, lighting, pedestrian ramps/curb cuts, and snow removal.
9. Prior to releasing a request for construction bid, the City Stormwater Coordinator shall review all construction-level detailed plans.
10. Prior to releasing a request for construction bid, plans shall specify earth tone colors for all railings, sign backs, and other above-grade structures. The permittee shall provide color and material samples to the Planning Division for final approval.
11. Prior to releasing a request for construction bid, the permittee shall obtain approval from the City Council for all necessary easements and/or acquisitions on City-owned property. Non-Motorized easements over all City Property are required. The easement shall be wide enough to accommodate shifts around trees, obstacles, etc., and include necessary access zones.
12. Prior to construction, the permittee shall obtain all necessary grading permits and building permits.
13. Prior to construction, the final engineered plans shall be reviewed and approved by the Planning Commission.

Ongoing Conditions:

14. Motorcycle patrols by law enforcement shall not be explicitly prohibited on the trail.
15. Any new or modified signage shall be reviewed and approved by the City Planning Division.
16. The adequacy of all required temporary construction BMP's as shown on the final construction plans shall be confirmed at the time of the City pre-grade inspection. Any required modifications, as determined by the inspector(s), shall be incorporated into the project permit at that time.
17. Graded areas shall be revegetated utilizing plant materials that will blend well with the surrounding vegetation and are on TRPA's List of Approved Plant List. (Also see TRPA Handbook of Best Management Practices).
18. The permittee is responsible for ensuring that the project, as built, does not exceed the approved land coverage figures shown on the site plan. The coverage figures verified by TRPA shall supersede scaled drawings when discrepancies occur.

END OF PERMIT

CITY APPEAL OPPORTUNITY

Pursuant to Section § 2.35 of the City Code, any member of a city commission or city staff decision or conditions of this permit, may be appealed to the City Council by filing a written notice of appeal with the city clerk. A completed appeal form available through the City Clerk's Office, 1901 Lisa Maloff Way (formerly Airport Road), along with the appeal fee, must be filed with the Clerk's office within fifteen days from the date of this decision.

CITY APPROVAL: Having made the finding that the project is consistent with all applicable City-wide Design Standards, City-wide Parking, the City Code, Plan Area Statements and the City General Plan, the City approves the project, subject to the conditions of approval listed in this permit.

Approved by Planning Commission 04/18/2024.

City Approval Signature

Date

PERMITTEE'S ACCEPTANCE: I have read the permit and the conditions of approval and understand and accept them. I also understand that I am responsible for compliance with all the conditions of the permit and responsible for agents' and employees' compliance with the permit conditions. I understand that it is my sole responsibility to obtain any and all required approvals from any other state, local or federal agencies that may have jurisdiction over this project, whether or not they are listed in this permit.

Signature of owner or authorized representative

Date

Resolution 2024-XX

Adopted by the City of South Lake Tahoe
Planning Commission

April 18, 2024

Resolution Approving City Major Design Permit for Bijou Park Connector Multi-Use Trail Project at Bijou Community Park (APN 025-010-051 & 025- 041-009)

BACKGROUND

- A. On April 18, 2024, the City of South Lake Tahoe Planning Commission held a duly noticed public hearing to consider a Major Design permit (File #24-032) for the Bijou Park Connector Multi-Use Trail Project be located within Bijou Community Park (1201 & 1301 Al Tahoe Boulevard).
- B. The City of South Lake Tahoe City Planning Commission conducted a public hearing, received public comments, considered the evidence in the record, and deliberated.
- C. A public notice was mailed to property owners within 300 feet of the property on April 5, 2024. A notice of the April 18, 2024 Planning Commission Meeting was published in the Tahoe Daily Tribune on April 5, 2024.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, BE IT RESOLVED,
that the City of South Lake Tahoe Planning Commission:

- 1. Finds this proposed project is categorically exempt from CEQA under Section 15301 (Class 1) exemption for Existing Facilities, which exempts minor alteration of existing public facilities involving negligible or no expansion of existing use and section 15304 (Class 4) Minor Alterations to land, including grading on land with a slope of less than ten percent and the creation of bicycle lanes on existing rights-of-way.
- 2. Grants approval for City Major Design Permit #24-032, facilitating the implementation of the Bijou Park Connector Multi-Use Trail Project within Bijou Community Park.

Adopted by the City of South Lake Tahoe Planning Commission on April 18, 2024, by the following vote:

Yes:

No:

Absent:

Abstain:

Natalia Wieczorek, Chair

Date:_____

Attest:

Susan Blankenship, City Clerk

The presence of an electronic signature certifies that the foregoing is a true and correct copy as approved by the South Lake Tahoe City Council.



CITY OF SOUTH LAKE TAHOE
DEVELOPMENT SERVICES DEPARTMENT - PLANNING DIVISION

Proof of Service by Mail

SUBJECT:	Bijou Park Connector Multi-Use Trail Project
ADDRESS:	1201 & 1301 Al Tahoe Boulevard
APN:	025-010-051 & 025-041-009
DATE OF HEARING:	April 18, 2024
TIME OF HEARING:	3:00 p.m.
LOCATION OF HEARING:	City Council Chambers, 1901 Lisa Maloff Way, South Lake Tahoe, CA 96150

STATE OF CALIFORNIA
COUNTY OF EL DORADO
CITY OF SOUTH LAKE TAHOE

I am an employee of the City of South Lake Tahoe, Development Services Department. On April 5, 2024, I served the attached notice pursuant to Section 6.55.640 of the South Lake Tahoe Municipal Code and Government Code Sections 65090 and 65091 (Planning and Zoning Law) on the persons named thereon or attached thereto by placing a true copy thereof with postage thereon fully prepaid in the United States mail. I declare, under penalty of perjury, that the foregoing is true and correct.

Executed on 04/05/2024,

by Gretchen Schooleman
Development Service Department
1052 Tata Lane
South Lake Tahoe, CA 96150-6251

NOTICE OF A PUBLIC HEARING CITY OF SOUTH LAKE TAHOE PLANNING COMMISSION MEETING

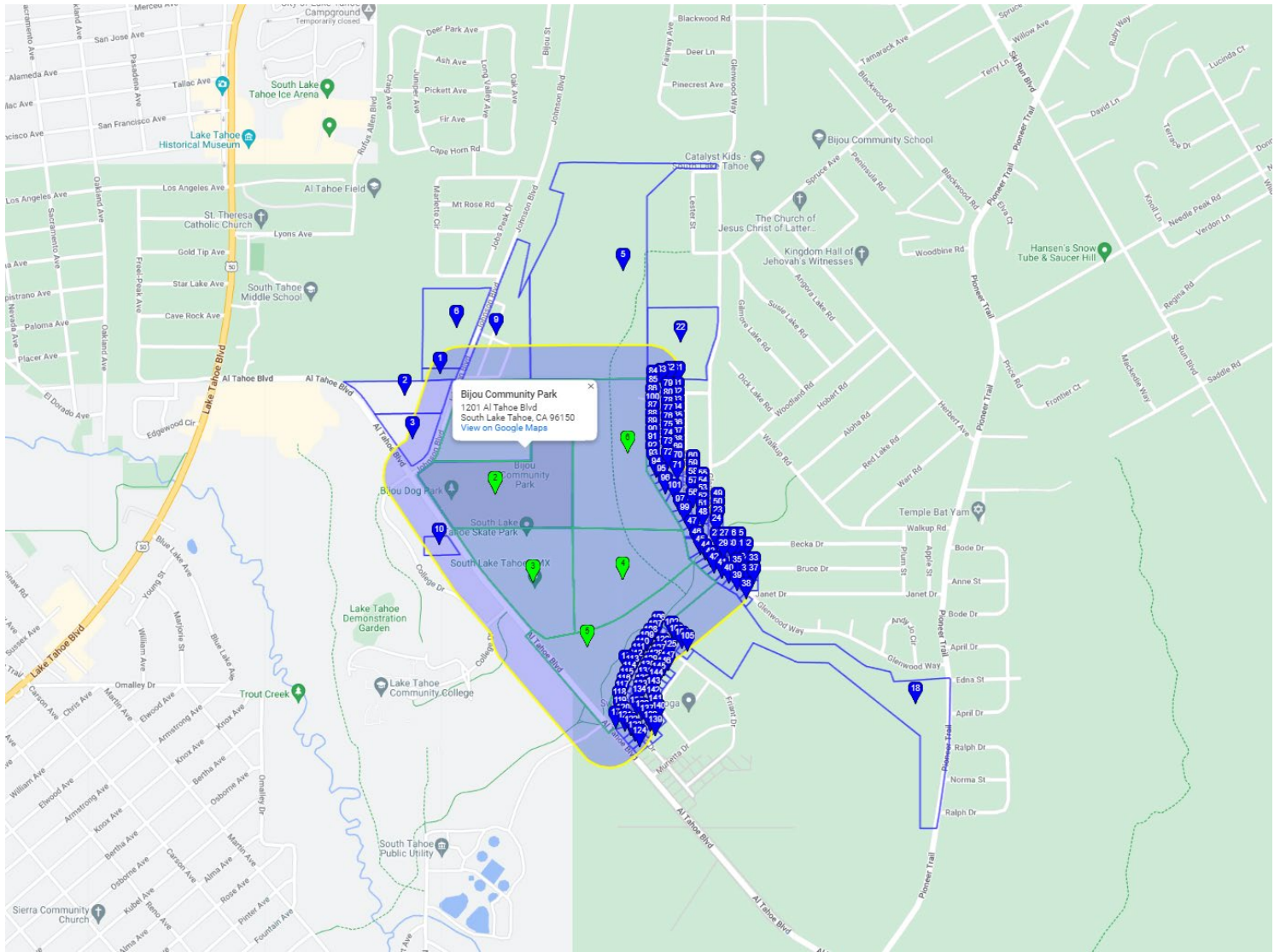
NOTICE IS HEREBY GIVEN that in accordance with Sections 65090 and 65091 (Planning and Zoning Law) of the Government Code: the City of South Lake Tahoe Planning Commission will conduct a public hearing on April 18, 2024 at 3:00 p.m., or as soon thereafter as possible, in the City Council Chambers, 1901 Lisa Maloff Way, South Lake Tahoe Airport, to consider the following

Bijou Park Connector Multi-Use Trail Project, File #24-032

Summary: The Bijou Park Connector Multi-Use Trail Project proposes to construct 0.6 miles of bicycle and pedestrian trail that would link the Al Tahoe Mobility Project (constructed in 2020 to Johnson Boulevard) with the Dennis T. Machida Memorial Greenway (Greenway) Trail Phase 1B (constructed in 2021). The project includes a crosswalk on Al Tahoe Boulevard connecting the Lake Tahoe Community College and the Bijou Community Park entrance. (Gretchen Schooleman, gschooleman@cityofslt.us)

All interested persons are invited to attend and speak on the projects or may write their comments to the City Planning Division. Pursuant to Government Code Section 65009(b)(2), if you challenge the application in court, you may be limited to raising only those items you or someone else raised at the Public Hearing described in this notice, or in written correspondence delivered to the City Planning Division at, or prior to, the Public Hearing. Any written correspondences should be directed to the South Lake Tahoe Planning Commission, 1052 Tata Lane, South Lake Tahoe, CA 96150. Staff reports will be available three days prior to the hearing and can be downloaded from the City of South Lake Tahoe website (<https://www.cityofslt.us/84/Watch-City-CouncilPlanning-Commission-Me>). For any questions, please contact the Planning Division at (530) 542-6010 or the staff planner listed above.





SOUTH LAKE TAHOE CITY OF

[REDACTED]

SOUTH LAKE TAHOE CITY OF

[REDACTED]

COUNTY OF EL DORADO

[REDACTED]

CITY OF SOUTH LAKE TAHOE

[REDACTED]

SPRINGMEYER FAMILY LTD PTN

[REDACTED]

SPRINGMEYER FAMILY LP

[REDACTED]

CITY OF SOUTH LAKE TAHOE

[REDACTED]

HAPPY HOMESTEAD CEMETERY
DIST

[REDACTED]

LAKE TAHOE COMM COLLEGE
DIST

[REDACTED]

CITY OF SOUTH LAKE TAHOE

[REDACTED]

VILLAGE PIONEER

[REDACTED]

CITY OF SOUTH LAKE TAHOE

[REDACTED]

CALIFORNIA STATE OF

[REDACTED]

FRANCES NORTHROP &
CLAYTON COLE

[REDACTED]

CITY OF SOUTH LAKE TAHOE

[REDACTED]

CITY OF SOUTH LAKE TAHOE

[REDACTED]

OKLAHOMA STEEL & WIRE CO
OK LLC

[REDACTED]

STATE OF CALIFORNIA & CAL
IFORNIA TAHOE

[REDACTED]

BELLADONNA ENTERPRISES CA
LLC

[REDACTED]

JULIA & JULIA VALENTINE

[REDACTED]

KENNETH J & MARIANNE C
POOHACHOFF

[REDACTED]

CALIFORNIA TAHOE
CONSERVANCY

[REDACTED]

CALIFORNIA TAHOE
CONSERVANCY

[REDACTED]

CALIFORNIA TAHOE
CONSERVANCY

[REDACTED]

JUSTIN & SALAZAR EVELYN
SAUNDERS

[REDACTED]

LEASE R THOMAS CO TR &
VERENA S CO TR

[REDACTED]

TIMOTHY A RIDDLE

[REDACTED]

MARTHA & ELIZABETH
ENRIQUEZ

[REDACTED]

PEERSON C C REV

[REDACTED]

CALIFORNIA TAHOE
CONSERVANCY

[REDACTED]

UNITED STATES OF AMERICA &
FOREST SERVICE

[REDACTED]

JOHN A & BARBARA I SKEEN

[REDACTED]

DANIELLE DISIMONE

[REDACTED]

UNITED STATES OF AMERICA &
U S FOREST SERVICE

[REDACTED]

JUSTIN RADKE

[REDACTED]

CITY OF SOUTH LAKE TAHOE

[REDACTED]

CITY OF SOUTH LAKE TAHOE

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CITY OF SOUTH LAKE TAHOE

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CITY OF SOUTH LAKE TAHOE

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CITY OF SOUTH LAKE TAHOE

[REDACTED]

SOUTHTAHOE PUBLIC UTILITY
DIST

[REDACTED]

SOUTHTAHOE PUBLIC UTILITY
DIST

[REDACTED]

PETER J BIRKENSHAW

[REDACTED]

AVELINO & SOLANO JOSEFINA
SIGALA

[REDACTED]

JORDAN GEORGIA A SURV TR &
FAM TRUST 5/1/89

[REDACTED]

LANI A TITO

[REDACTED]

ROBERT W & NORMA C CORROW

[REDACTED]

STATE OF CALIFORNIA & CAL
IFORNIA TAHOE

[REDACTED]

BRIAN J CALLAHAN

[REDACTED]

ROY S & MAE C PEREZ

[REDACTED]

MILLER H & PATRICIA M DALE

[REDACTED]

MAJID ESLAMI

[REDACTED]

SARAH JORDAN DUNLAP WALSH

[REDACTED]

JOHN MARK SURV SOLTES

[REDACTED]

AVELINO H BARCELLOS

[REDACTED]

GETULIO CATENA

[REDACTED]

JACOB & SARA MOUSSA

[REDACTED]

PLIMPTON RAYMOND G TR & R
TRUST 09/10/07

[REDACTED]

WILLIAM L & BRINDEL JILL R
KLINGELHOFFER

[REDACTED]

ALBERTO & IDA SCIAMANNA

[REDACTED]

BEVERLY ELLEN & MONGIELLO
NINA MARIE BLACH

[REDACTED]

JACOB L & JAMIE J ZORN

[REDACTED]

RALPH DENNIS & SUSAN JEAN
MCKUHEN

[REDACTED]

BARBARA JO ANN & GURRIERE
JOSEPH G MILLER

[REDACTED]

RUTLEDGE JANET E TR & FAM
TRUST 4/13/04

[REDACTED]

BRONSON HOVNANIAN

[REDACTED]

CLESI MARY KATHRYN TR & M
K REV TRUST 2/22/96

[REDACTED]

GARY A & TERRI L BELL

[REDACTED]

MAYNIGO FAM TR 11/15/2022

[REDACTED]

SCHINZING TRUST 9/21/2022

[REDACTED]

TAMERLE M LUNDQUIST

[REDACTED]

MICHAEL & KATHRYN
GOGGIANO

[REDACTED]

GERALD P & PAULA J WILLIAMS

[REDACTED]

WEENA KISTNER

[REDACTED]

LOU & CATHERINE SHAVER

[REDACTED]

DONALD J & CHERYL L BUTERA

[REDACTED]

ARTHUR L & TINA M ROYBAL

[REDACTED]

STEPHEN C HARRINGTON

[REDACTED]

KATHLEEN ANN & K LIV REV
10/11 / 04 PETRUSA

[REDACTED]

CITY OF SOUTH LAKE TAHOE

[REDACTED]

DANIEL & PATRICIA SUSSMAN

[REDACTED]

SARAH JORDAN DUNLAP WALSH

[REDACTED]

KENNETH A & DEBORAH M
GRIEST

[REDACTED]

UNITED STATES OF AMERICA &
U S FOREST SERVICE

[REDACTED]

JONATHAN P & WENCK HET
HERTON KELARY HETHERTON

[REDACTED]

JAMES H L & MICHELE D
COOLEY

[REDACTED]

RAYMOND G PLIMPTON

[REDACTED]

MERCURIO BARBARA F TR & B F
TRUST 11/15/01

[REDACTED]

KENNETH & WRIGHT KAYLA
LAWSON

[REDACTED]

DAVID R & REGINA M RADKE

[REDACTED]

HACKETT SHIRLEY TR & LEWIS
HACKETT FAM REV TRUST

[REDACTED]

FRED A SCHULTZ

[REDACTED]

RICKY L & FIORE-WAGNER
MARY F WAGNER

[REDACTED]

JACQUELINE D PROULX

[REDACTED]

RICHARD J & CHERYL K FISCHER

[REDACTED]

ROBERT A BECKER

[REDACTED]

ANNINA L & FORTES MICHAEL S
ALTOMARI

[REDACTED]

THOMAS EARL & T E LV RV
06/11 / 07 RAWSON

[REDACTED]

MARK ERIC & KATHLEEN MARY
MINSKY

[REDACTED]

TAHOE PUBLIC UTIL DT SOUTH

[REDACTED]

PAUL & MORAN JENNIFER
DRISCOLL

[REDACTED]

STEVE F & SHIRLEY L
SMILANICK

[REDACTED]

JEFFREY & KARLA BRENNAN

[REDACTED]

FELIX H & MARY LUJAN

[REDACTED]

JOHN & LYNN SPINOLA

[REDACTED]

ETHAN HOLLINSHEAD

[REDACTED]

CHERYL LEE & PARENTI PETER I
JOERGENSEN

[REDACTED]

STUART RUTHERFORD KRIEGE

[REDACTED]

ALVINO VALLES

[REDACTED]

ARTEM CHETVERYKOV

[REDACTED]

JOHN W & JONI LYNN EBERT

[REDACTED]

ARLYNNE CENIDOZA

[REDACTED]

ALVIN & SUSAN WONG

[REDACTED]

PETER J & HEATHER N
APPLEGATE

[REDACTED]

STEPHEN W & VIRGINIA L
DOWNIE

[REDACTED]

PENNY A SPRINGER

[REDACTED]

GREGORY A KALUSTIAN

[REDACTED]

BRAD & HEIDI SANBORN

[REDACTED]

BRIAN W RUDENKO

[REDACTED]

SACKHEIM NANCY F & MULLINS
SUSAN CO TR

[REDACTED]

RYAN & GELINA SUSAN E
FITZSIMMONS

[REDACTED]

BRIAN E & TERRI A
QUINTANILLA

[REDACTED]

MANGLINONG BIENVENIDA C
TR & B C LIV REV TRUST

[REDACTED]

ACO JOSE LUIS & GALLEGOS
VAZQUEZ SOFIA GRANILLO

[REDACTED]

AMADO D & RIZALINE DASALLA

[REDACTED]

ARDY B SIGNEY

[REDACTED]

RONALD A & DANITA M
BRATCHER

[REDACTED]

DANIEL M & PATRICIA A
SUSSMAN

[REDACTED]

MICHAEL & SCHEPENS
THERESA SMITH

[REDACTED]

PERLITA A DE LEON

[REDACTED]

SIV K & CHANNARITH SAM

[REDACTED]

GERONIMO A & GERONIMO A
ROMERO

[REDACTED]

EDDIE & JULIANA R FAJAYAN

[REDACTED]

ROMEO ALAONE

[REDACTED]

REBECCA A ARELLANO

[REDACTED]

MARK R & MELISSA S BAUMANN

[REDACTED]

ALECIA & COOLEY JAMES
BAKER

[REDACTED]

ABBOTT FAM TR 1/29/1997

[REDACTED]

GARRY L & ALICE O BRADY

[REDACTED]

DANIEL S & MATEO S
MASELLONES

[REDACTED]

LUZVIMINDA E & BERNARDO S
ESTEPA

[REDACTED]

Planning Commission Meeting April 18, 2024

Bijou Park Multi-Use Connector Trail
Department of Public Works



CITY OF
SOUTH LAKE TAHOE

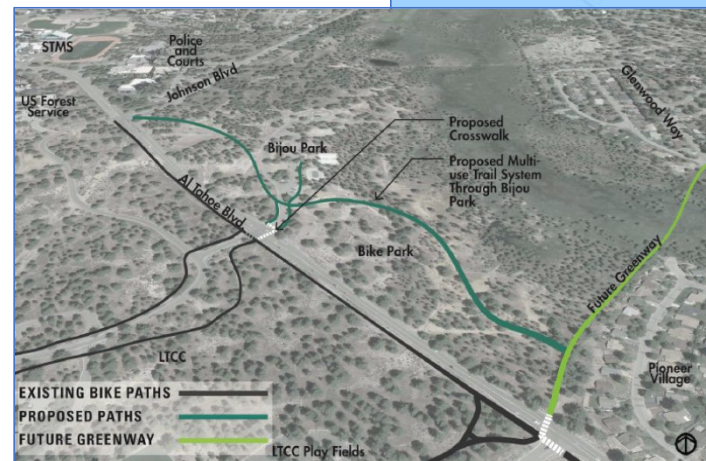
Project Background

Project Identified in:

- South Lake Tahoe Parks, Trails, and Recreation Master Plan (2014)
- LTUSD Safe Routes to School – Middle School Connectivity Plan (2015)
- TRPA Active Transportation Plan (ATP) and Environmental Improvement Program (EIP)

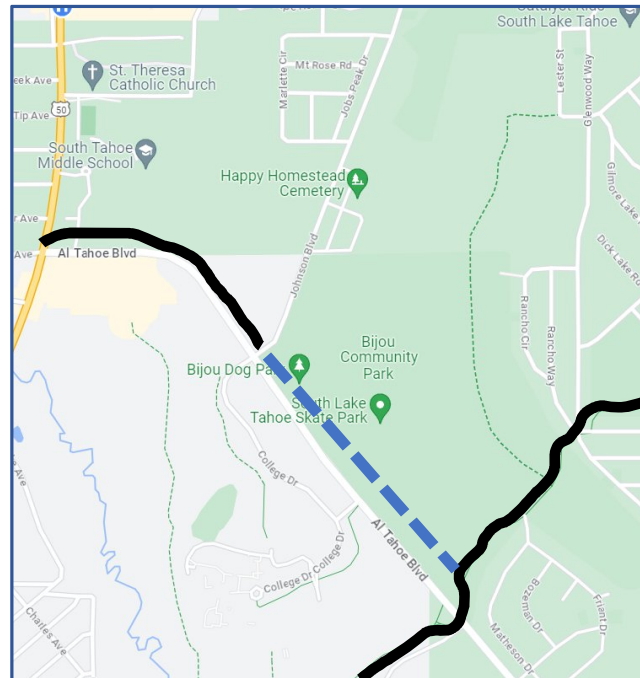
Goals:

- Create a multi-use trail connection through the park
- Provide trail connection from the Johnson/Al Tahoe intersection southeast to the Dennis T. Machida Greenway
- Design trail to serve bicyclists, pedestrians and park users.

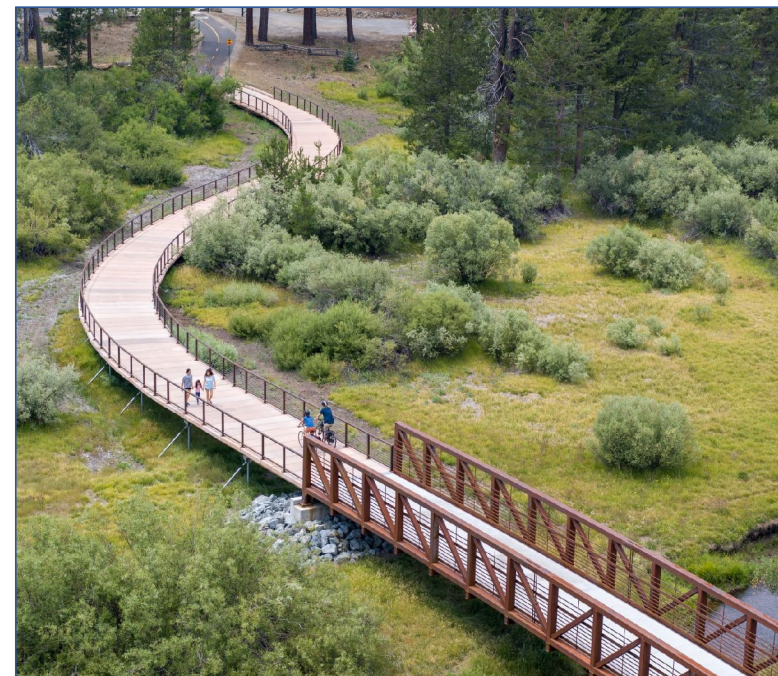


Building on Recent Investments

Al Tahoe Safety and Mobility Enhancement Project (Completed 2021)



Dennis T. Machida Memorial Greenway (Completed 2022)



3

Existing Conditions



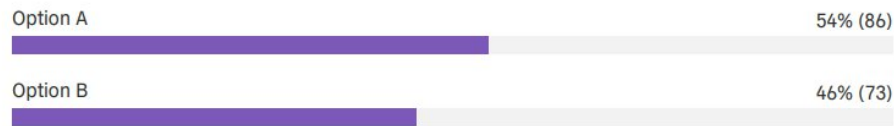
4

Existing Conditions

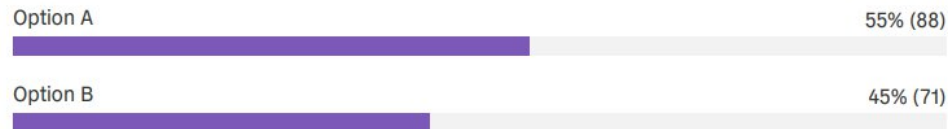


Survey Results

Which alignment option do you prefer between the Bike Park and the Greenway (Southern Segment)?



In your opinion, which Southern Segment option is the safest for users of all ages and abilities?

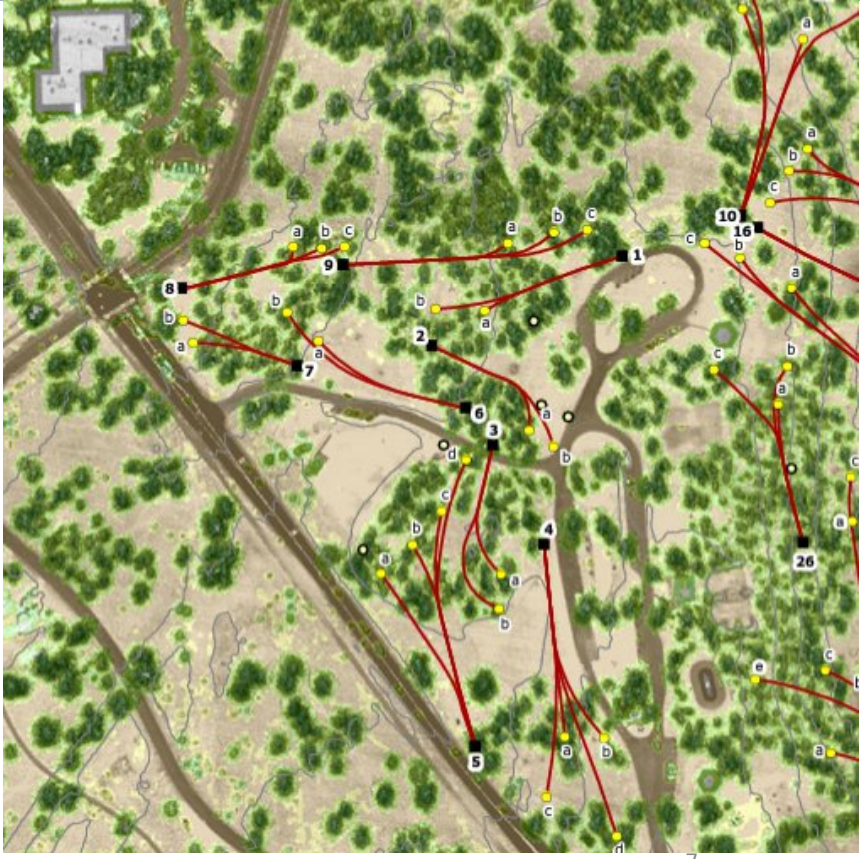


Would you utilize the segment of trail adjacent to Al Tahoe Blvd between the Bijou Park driveways if it was included in the project?

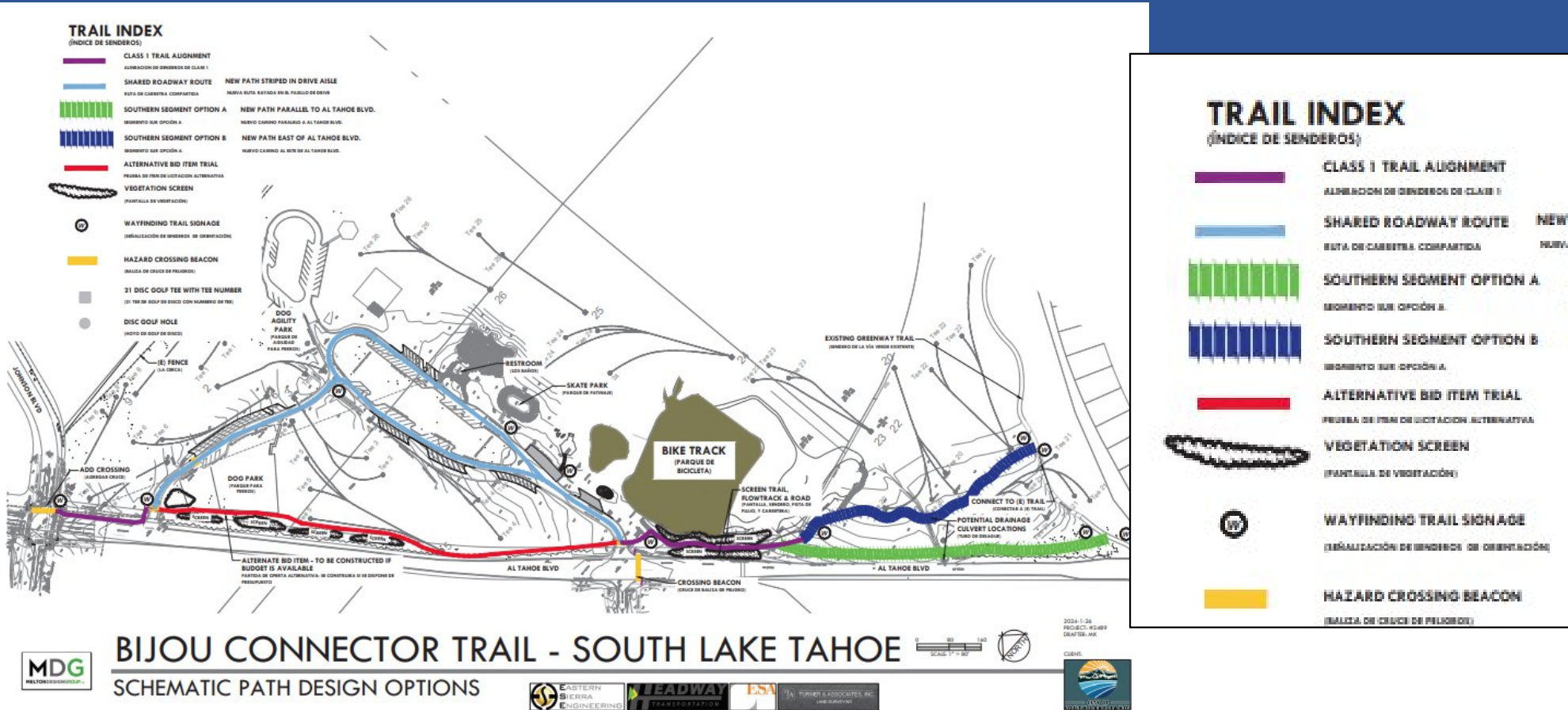


Bijou Park Connector Multi-Use Trail Survey
was available online from January 26, 2024,
through February 15, 2024.

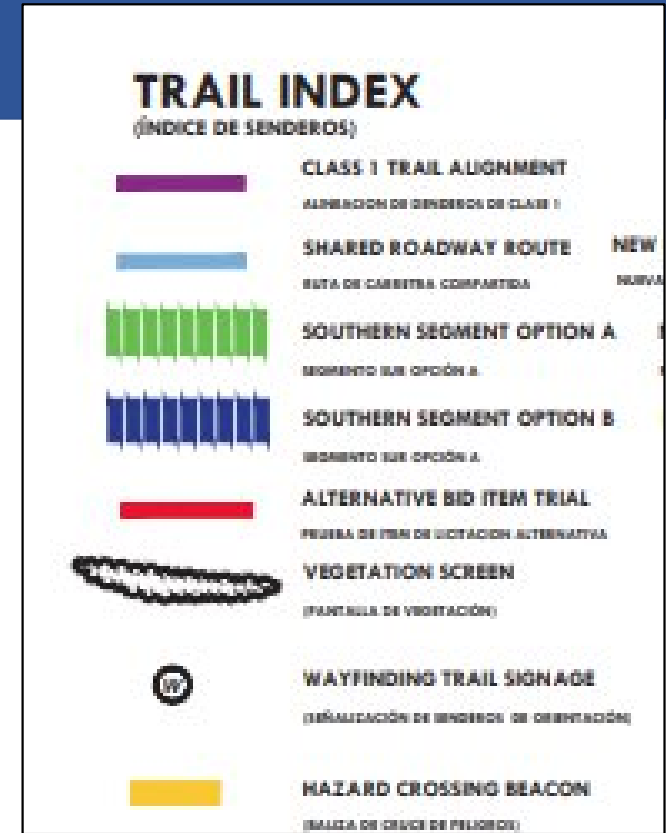
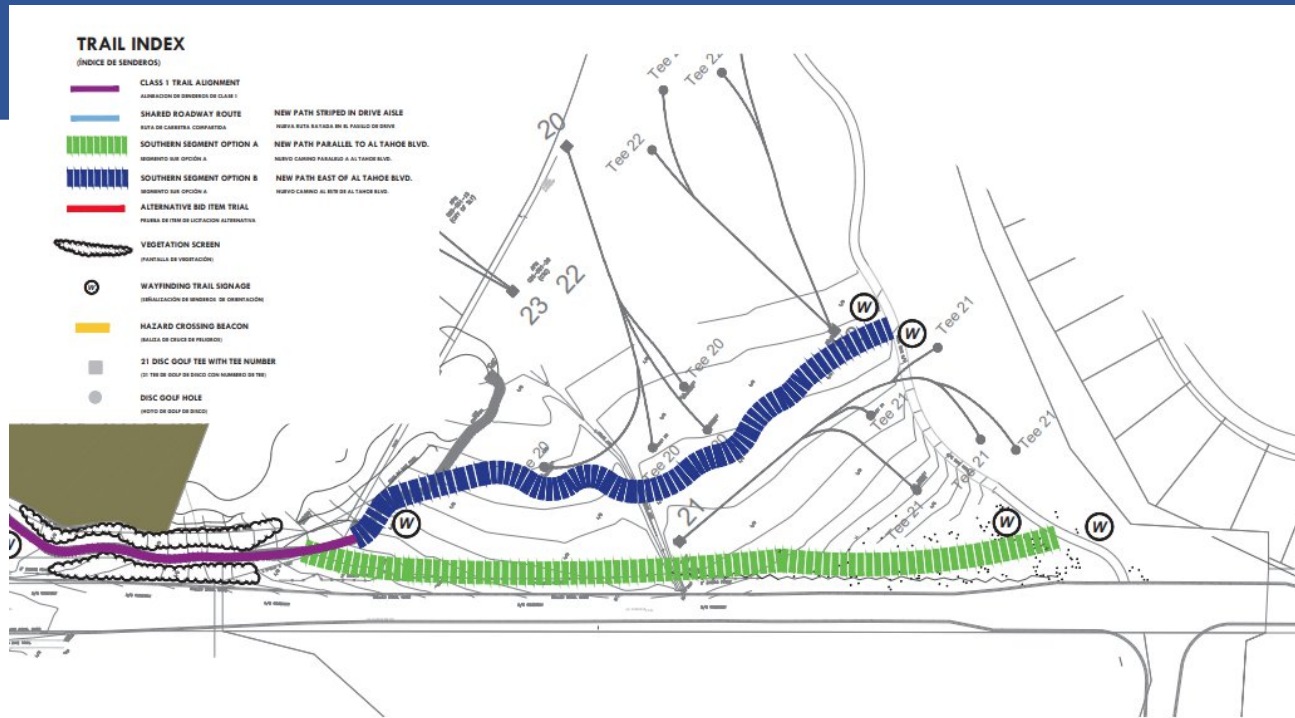
Survey Results: Reduce Conflicts with Disc Golf Users



Path Design Options Presented at Parks and Recreation Meeting



Path Design Options: Southern End



BIJOU CONNECTOR TRAIL - SOUTH LAKE TAHOE

SCHEMATIC PATH DESIGN OPTIONS



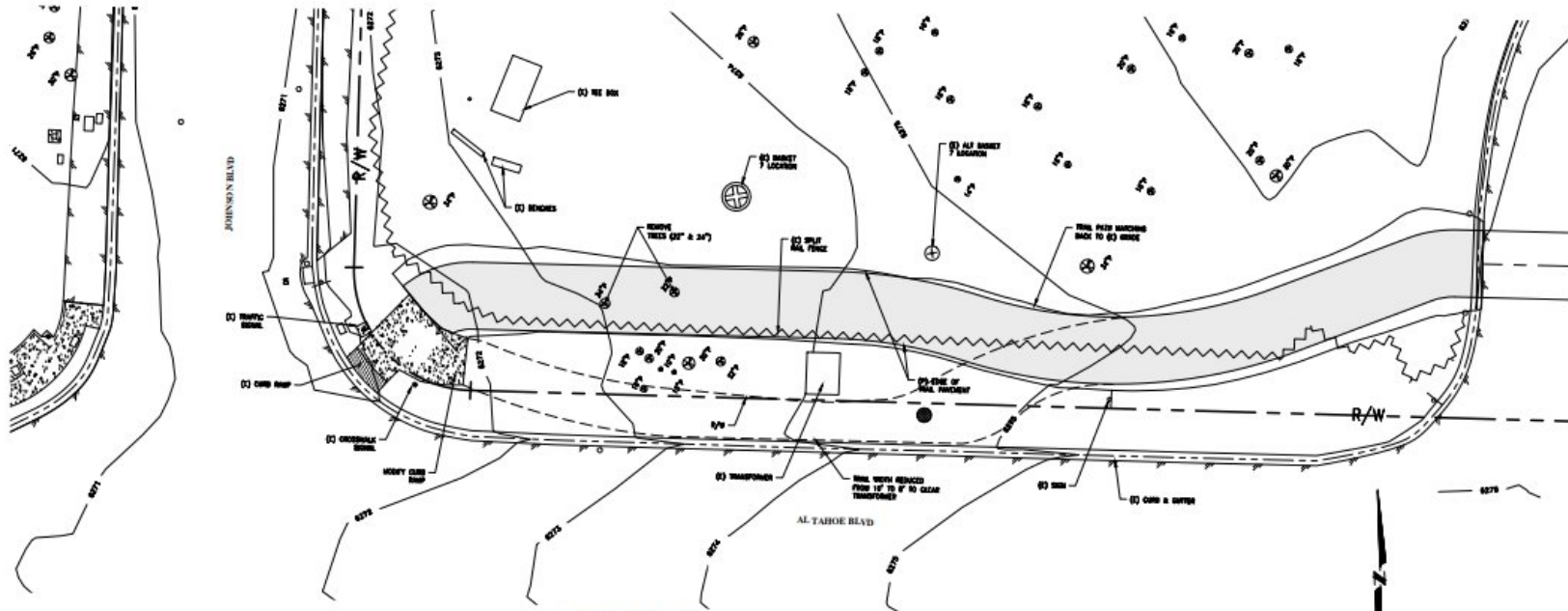
2024-1-26
PROJECT: 202401
DRAWING: JAC

SCALE: 1" = 40'

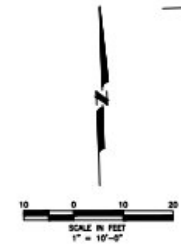
DATE:



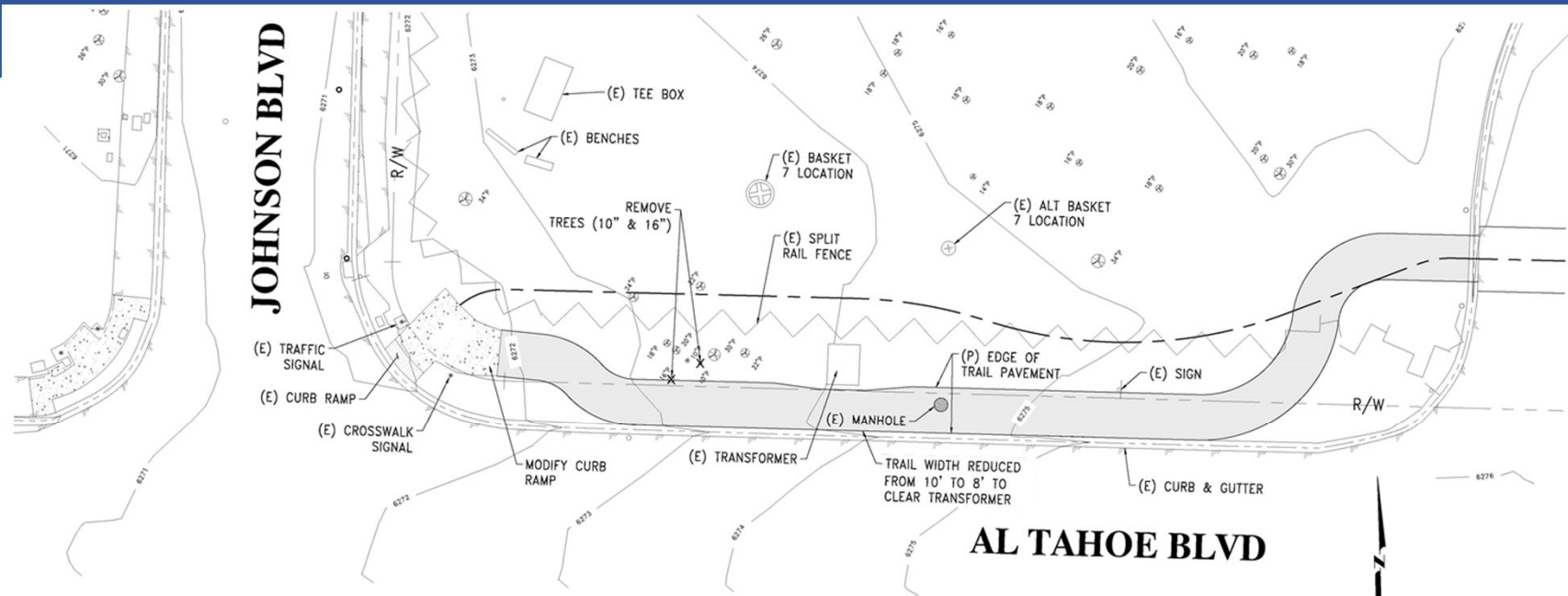
Path Design: Northern End (Johnson Blvd)



BIJOU PARK CONNECTOR TRAIL
SEGMENT BETWEEN JOHNSON AND DRIVEWAY



Path Redesigned after Parks and Recreation Meeting



BIJOU PARK CONNECTOR TRAIL SEGMENT BETWEEN JOHNSON AND DRIVEWAY



TURNER & ASSOCIATES, INC.



Funding and Schedule

Next Steps:

December 2024 – Finalize Construction Plans

February 2025 – Complete competitive bid review and award Construction Contract

May 2025 - Begin Construction

September 2025 – Construction Completion

Budget:

\$977,050	Community Development Block Grant (CDBG)
\$300,000	City of South Lake Tahoe – General Fund
\$400,000	Tahoe Regional Planning Agency (TRPA) Mitigation Funds
\$172,000* (funding for the middle segment)	South Lake Tahoe Recreation Facilities Joints Powers Authority (JPA) – Measure S/R

Total Budget: \$1,849,000



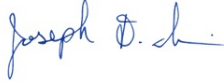
QUESTIONS?



City of South Lake Tahoe

Agenda Item Executive Summary

Joe Irvin, City Manager



Meeting Date: April 18, 2024

Agenda Item #: 4



Agenda Item: Consideration of Special Use Permit for Charter Communications, File #22-067

Executive Summary: Charter Communications (Spectrum) has applied for a special use permit to enhance 40 existing communications facilities in the City of South Lake Tahoe right-of-way. New equipment will consist of emergency backup batteries to maintain service for 72 hours following an outage event. This is required by the California Public Utilities Commission. While 40 specific locations have been indicated in the application, this permit shall apply to all existing transmission and receiving facilities in the public right of way owned and operated by Charter Communications.

Requested Action / Suggested Motions: Pass a Resolution finding (1) the proposed project to be categorically exempt from CEQA under Section 15269, Emergency Projects and Section 15301, Class 1, Existing Facilities, (2) making all additional findings listed in the Resolution, and (3) approving Special Use Permit #22-067 to legalize all existing transmission and receiving facilities in the public right of way owned and operated by Charter Communications.

Responsible Staff Member: Anna Kashuba, Senior Planner

Reviewed and Approved By: Zach Thomas, Director of Development Services

Attachments:

- [01-Staff_Report_22-067.docx](#)
- [02-Design Drawings.pdf](#)
- [03-Resolution_22-067.docx](#)
- [04-CSLTPermit_22-067.docx](#)
- [05-NOE.pdf](#)
- [06-Locations.pdf](#)
- [07-Existing Equipment.pdf](#)
- [08-Tribune Notice.pdf](#)



City of South Lake Tahoe Report to Planning Commission

Meeting Date: April 18, 2024

Title: Consideration of Special Use Permit for Charter Communications, File #22-067

Locations: Each utility box will be located on City property in the right of way. A survey will determine exact locations to ensure there is no encroachment on private property. See attachment 06 for a map and list of adjacent street addresses for which the City has received applications; however, the permit will apply to all existing transmission and receiving facilities in the right of way owned and operated by Charter Communications.

Responsible Staff Members: Anna Kashuba, Senior Planner

Background: On May 25, 2022, Energy Systems (EnerSys) submitted a general planning application requesting a special use permit to install battery backup cabinets at 40 locations within the City of South Lake Tahoe's right of way. The project was delayed as the applicant had each location surveyed, which was further stalled by significant snowfall during the winter of 2022/2023.

Installation of new cabinets is necessary for Charter Communications to comply with California Public Utilities Commission Decision 21-02-029, Rulemaking 18-03-011 Regarding Emergency Disaster Relief. All essential communications equipment shall have emergency backup power to maintain service for 72 hours following an outage event. Resolutions M-4833 and M-4835 of this rule require electric, gas, telephone, water, and sewer utilities "to take reasonable and necessary steps" to assist Californians in high-fire threat areas.

Issue and Discussion: Energy Systems has submitted a special use application on behalf of Charter Communications (Spectrum) to install backup battery cabinets at 40 locations throughout the City of South Lake Tahoe. Each location has existing communications infrastructure that the backup batteries will support for up to 72 hours immediately following an electric grid outage event. In addition to the 40 locations for which this application was submitted for, staff is recommending the use permit be applicable to all existing Charter Communications infrastructure in the right of way, Citywide. This recommendation is based on confirmation that Charter Communications has additional sites for which upgrades are likely. Additionally, it will streamline any further improvements and modifications to the existing sites.

This use is classified as transmission and receiving facilities, which requires a special use permit in all locations. While there is existing infrastructure at each site, the City has no record of a special use permit being issued. Once this permit is executed, any further modifications will be accessory and will not require the issuance of another use permit.

However, Charter Communications will still be required to obtain a building permit from Development Services and an encroachment permit from the Public Works Department.

Site Description and Surrounding Land Uses/Zoning: There is existing transmission and receiving equipment at each of the sites included in this permit. In some cases, the existing utilities are mounted on a pole and in other cases, in a utility box on a concrete slab. Some locations contain both. See Attachment 07 for site photos.

Most of the proposed locations for which plans have been submitted are in residential areas and are generally surrounded by residential uses, with the following exceptions. The parcels north and east of the facility adjacent to 3632 Tamarack Ave are zoned Tourist Center, Mixed Use Corridor as part of the Tourist Core Area Plan. The parcel to the east of the facility adjacent to 940 Julie Ln. is zoned commercial/public service. The area to the west of the facilities adjacent to 1260 Gilmore Way and 1500 Glenwood Way is zoned recreation. West of the 2059 E St. site is zoned for commercial/public service use as part of the Town Center Gateway District of the Tahoe Valley Area Plan. Infrastructure adjacent to 2463 Palmira Ave. is in the Sierra Tract Commercial Plan Area Statement. 4082 Pine Blvd. is in the Tourist Center Mixed Use District of the Tourist Core Area Plan. The exact locations of the remaining sites have not yet been provided by staff.

Project Review Transmission and receiving facilities are permissible in all areas of the City when a special use permit is issued. TRPA permits for all locations will be issued directly by TRPA per Brandy McMahon, TRPA Local Government Coordinator.

In addition to a special use permit, each location will require an encroachment permit from the City of South Lake Tahoe Public Works Department and an electrical permit from the building division. Each submittal shall include a survey to confirm the exact location of equipment to ensure there is no encroachment on private property or in vehicles' lines of site. City engineers will identify appropriate traffic impact bollards.

The issuance of a special use permit for all existing locations does not exempt the applicant from obtaining encroachment permits and building permits for future modifications.

Multiple locations are in overlay Zone 6 of the Airport Land Use Compatibility Plan. Transmission and receiving facilities are compatible with this zone.

Special Use Permit Findings (Section 6.55.620, City Code) The Planning Commission may grant a special use permit provided that specific findings are addressed, per City Code Section 6.55.620. They are as follows.

- 1) Necessary or desirable on a specific parcel.

The project is necessary to conform with California state laws regarding emergency operations. The project must occur at the proposed locations as they contain existing communications equipment that the project will enhance.

- 2) Not injurious to the neighborhood.

The proposed project will not be injurious to the neighborhood. Communications equipment exists at each location and is necessary to support the neighborhood in the event of an electrical outage.

- 3) Consistent with the intent of this chapter.

The proposed project, as described in the staff report, is consistent with the intent of Section 6.55.620 of the City Code. The chapter allows the granting of a use permit to authorize a special use where the applicable area/area plan includes the use as permissible. Furthermore, the proposed project is accessory to existing uses on each of the parcels.

- 4) Consistent with permitted uses in such plan area/area plan.

Transmission and receiving facilities are permitted in each location with a special use permit. It is necessary to have communications infrastructure where residential and commercial uses are present.

Environmental Considerations: Issuance of a special use permit for back up batteries is exempt from CEQA under Section 15301, Class 1, Existing Facilities. The project is required by State law and is therefore seen as maintenance of the existing infrastructure. It does not create an expansion of the use. Additionally, because the project is intended to mitigate effects of wildfires, it is exempt under Section 15269, Emergency Projects. This section specifically includes modifications to improve facility integrity.

Public Notice: When the number of recipients exceeds 1,000, Government Code Section 65091(a)(4) allows jurisdictions to post a 1/8-page notice in a newspaper of general circulation within the local agency. Recipients for this project exceeds 1,000 (1,425 properties and 1,186 unique owners). Staff has submitted a notice pursuant to Government Code Section 65091(a)(4) to be published on April 5, 2024, in the Tahoe Daily Tribune.

Any comments received will be transmitted to the Planning Commission and posted on the City web site.

Financial Implications: There are no significant financial implications of granting this special use permit. The City may observe a small increase in revenue as each of the locations will require a building permit and encroachment permit.

Policy Implications: There are no policy implications as a result of granting a special use permit. Pursuant to this staff report, the proposed use is consistent with land use and zoning designations.

The City of South Lake Tahoe General Plan encourages coordination with other entities to protect and maintain the safety of residents, businesses, and visitors. The proposed project is consistent with the City's General Plan as it allows for extended communication capabilities during power outages and emergency events. The following provides a summary of applicable goals and policies of the City of South Lake Tahoe General Plan that this project addresses.

Health and Safety

Goal HS-1: To plan for, train for, and respond to major incidences and disasters in order to minimize loss of life, major injury, and loss of property.

Policy HS-1.6 Post-Disaster Response: The City shall maintain the Disaster Preparedness Plan for the continued operation of critical infrastructure and facilities following major disaster events such as evacuations, rescues, injuries, and major cleanup operations.

Public/Quasi Public Facilities and Services

Goal PQP-1: To ensure timely maintenance, expansion, and upgrade of public facilities and services for the entire community.

Policy PQP-1.2 Provider Requirements: The City shall work within available legal means to ensure statutory requirements are met by all providers.

Goal PQP-8: To promote provision of adequate levels of utility services by private companies and to ensure that these are constructed in a fashion that minimized their negative effects on surrounding development and maximized energy efficiency.

Policy PQP-8.3 Promote Technology: The City shall promote technological improvements and upgrading of utility services in South Lake Tahoe.

EXISTING SITE PHOTO

LOCATION MAP



SITE ID: ST123

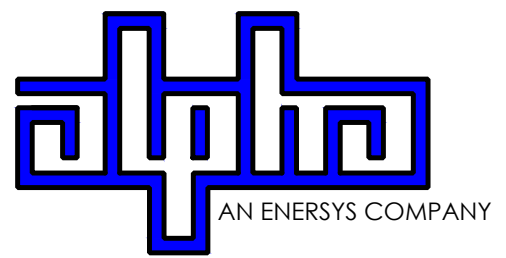
SITE ADDRESS: 421 CAPRI DR, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

Table with 2 columns: SITE ADDRESS, LATITUDE/LONGITUDE, JURISDICTION, POWER PROVIDER, STRUCTURE TYPE, OUTPUT VOLTAGE SPEC., INPUT VOLTAGE SPEC., AMP DRAW, HYDRAULIC RELATED AREA, COVERAGE, CUT/FILL VOLUME.



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-058524

ISSUE STATUS

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Contains revision history from 08/04/21 to 10/05/2023.

2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
INSTALLATION OF (1) (N) CONCRETE PAD
REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.

DRAWING INDEX

Table with 2 columns: SHEET, DESCRIPTION. Lists sheets T1, LS1, A1, D1, D2, TC1.

PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
ENGINEER/ARCHITECT: J5 INFRASTRUCTURE PARTNERS
APPLICANT: ALPHA TECHNOLOGIES, INC.

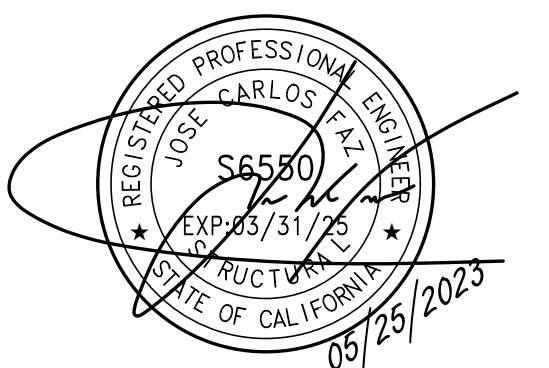
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

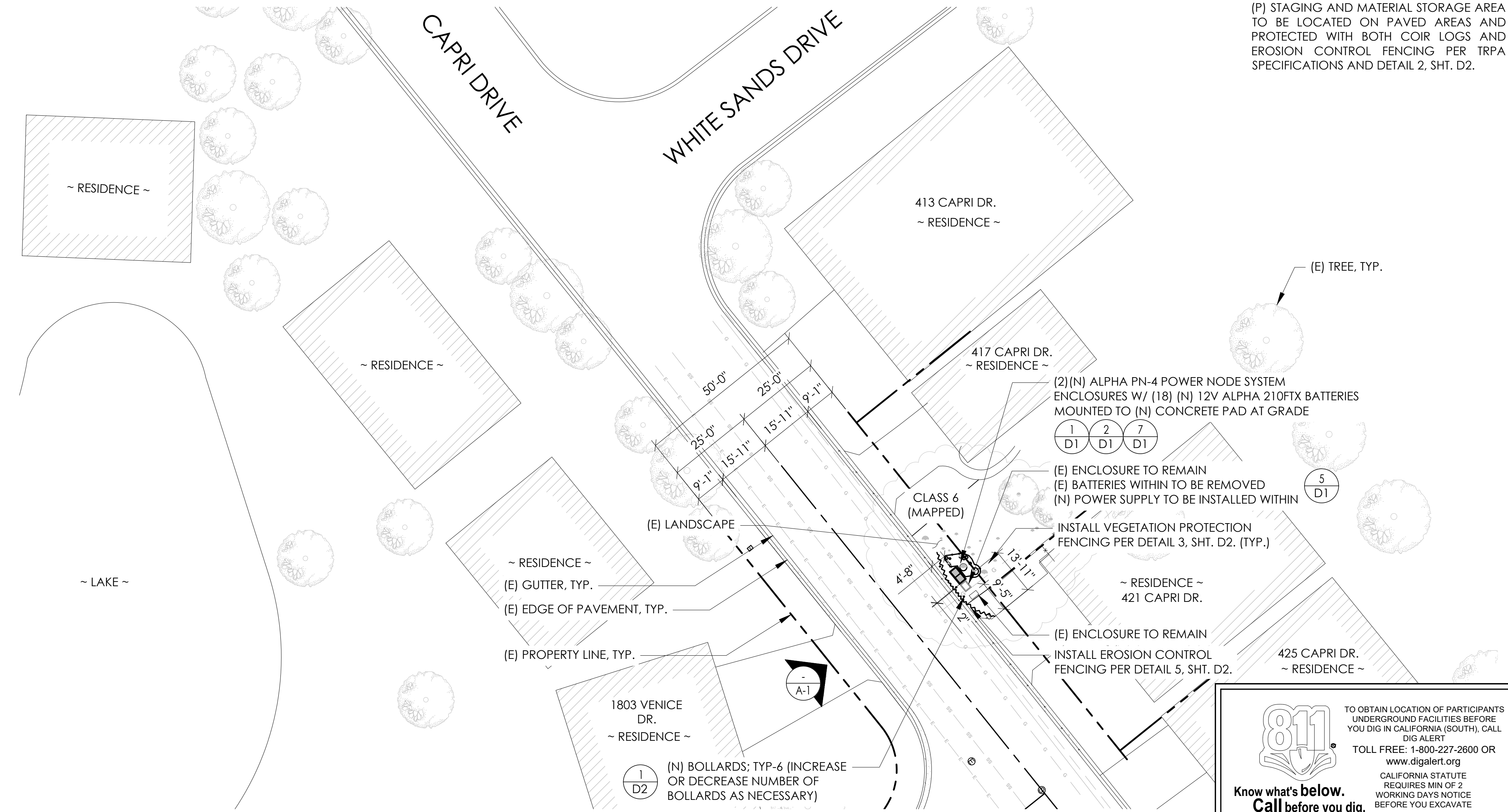
SITE ID: ST123

SITE ADDRESS: 421 CAPRI DR, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

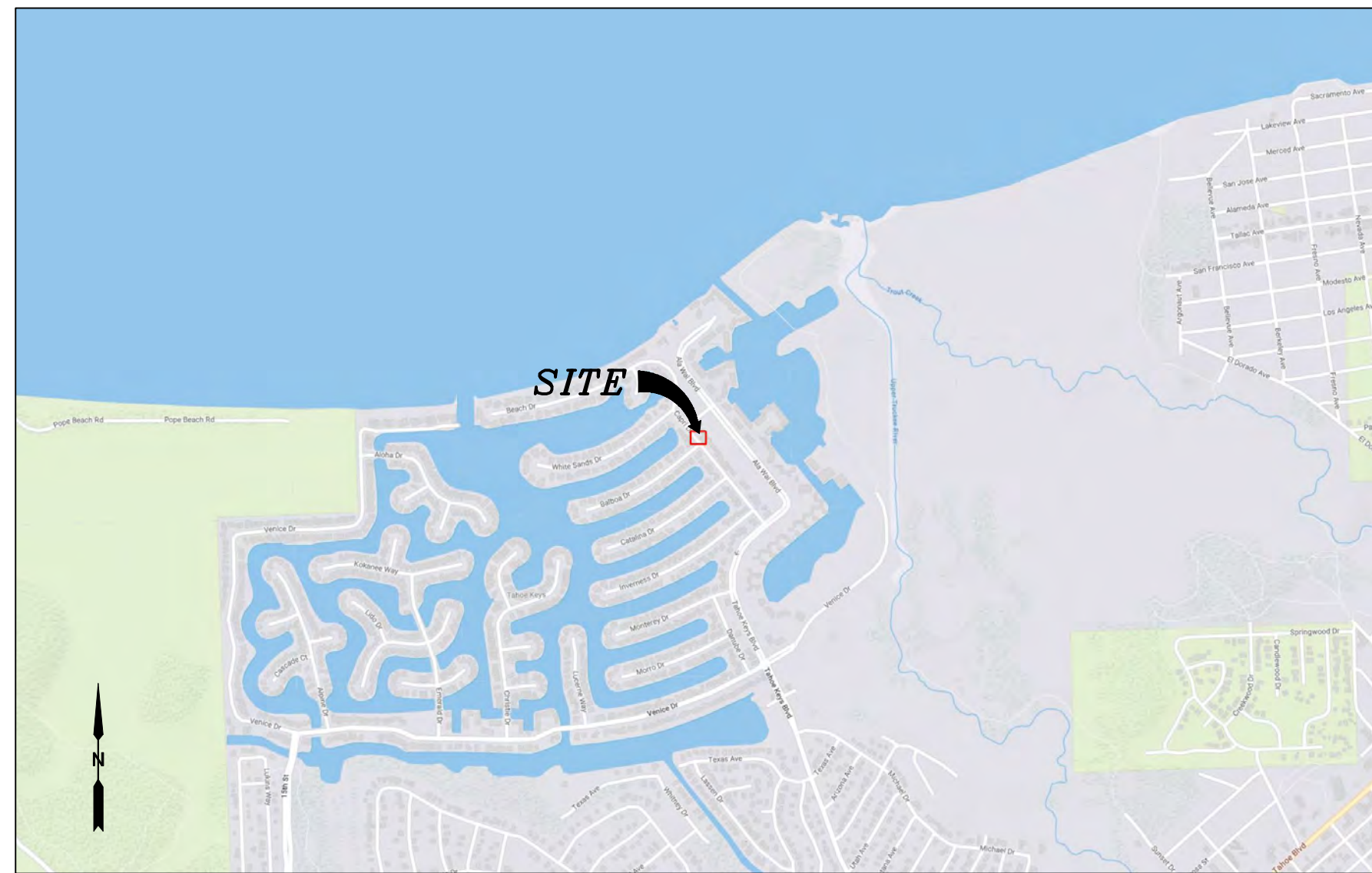
T1



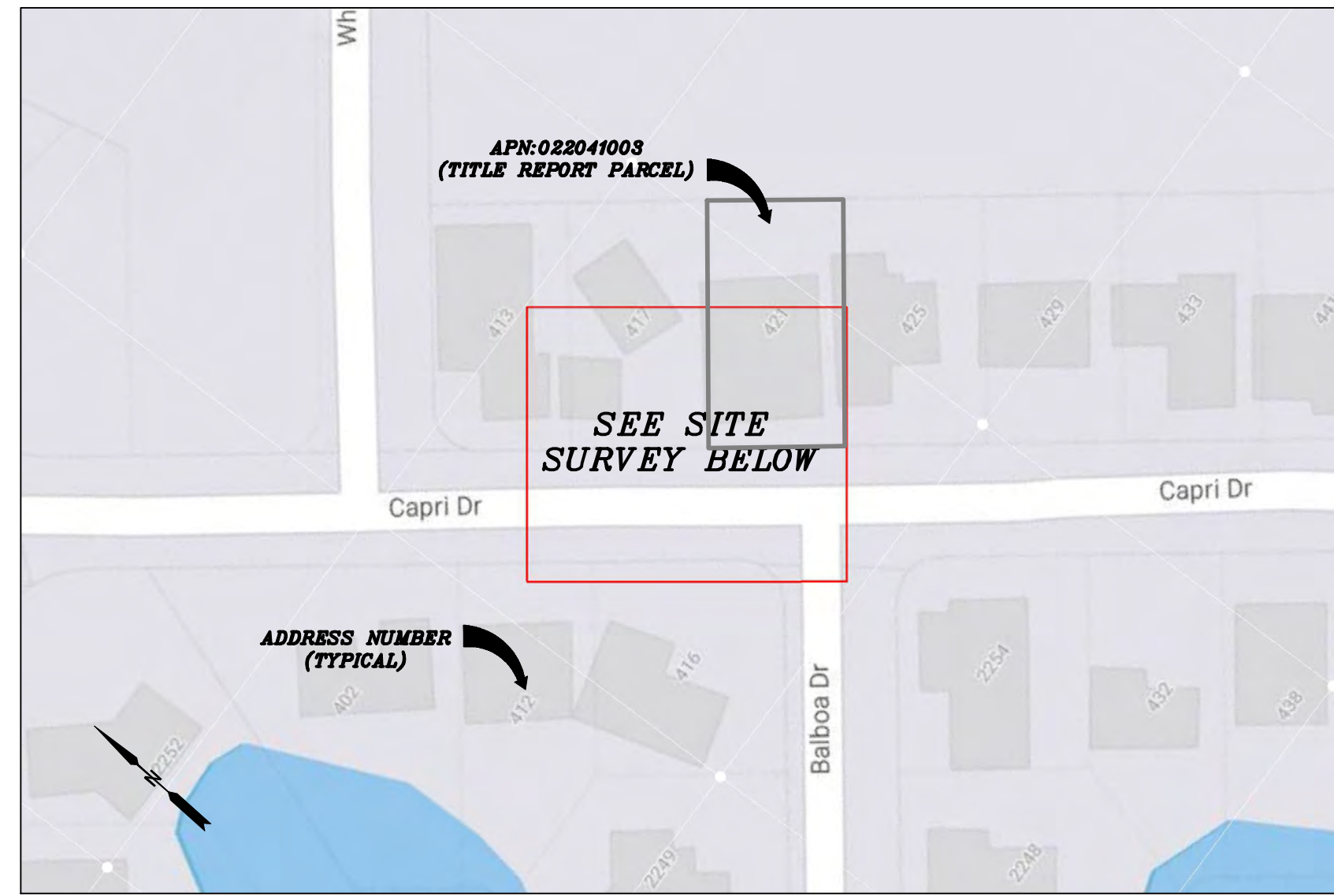
811 logo and text: TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT. TOLL FREE: 1-800-227-2600 OR www.digalert.org

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"



VICINITY MAP
N.T.S.



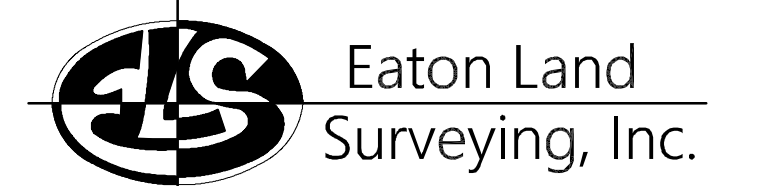
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/27/23	SUBMITTAL



PROJECT INFORMATION:
ST123
421 CAPRI DR.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/27/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

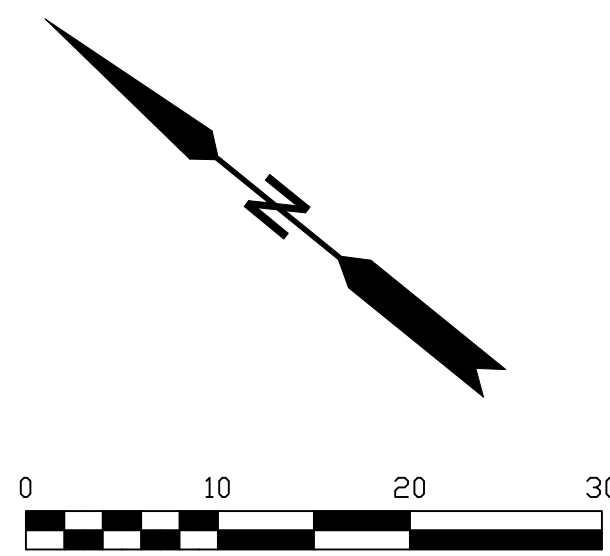
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

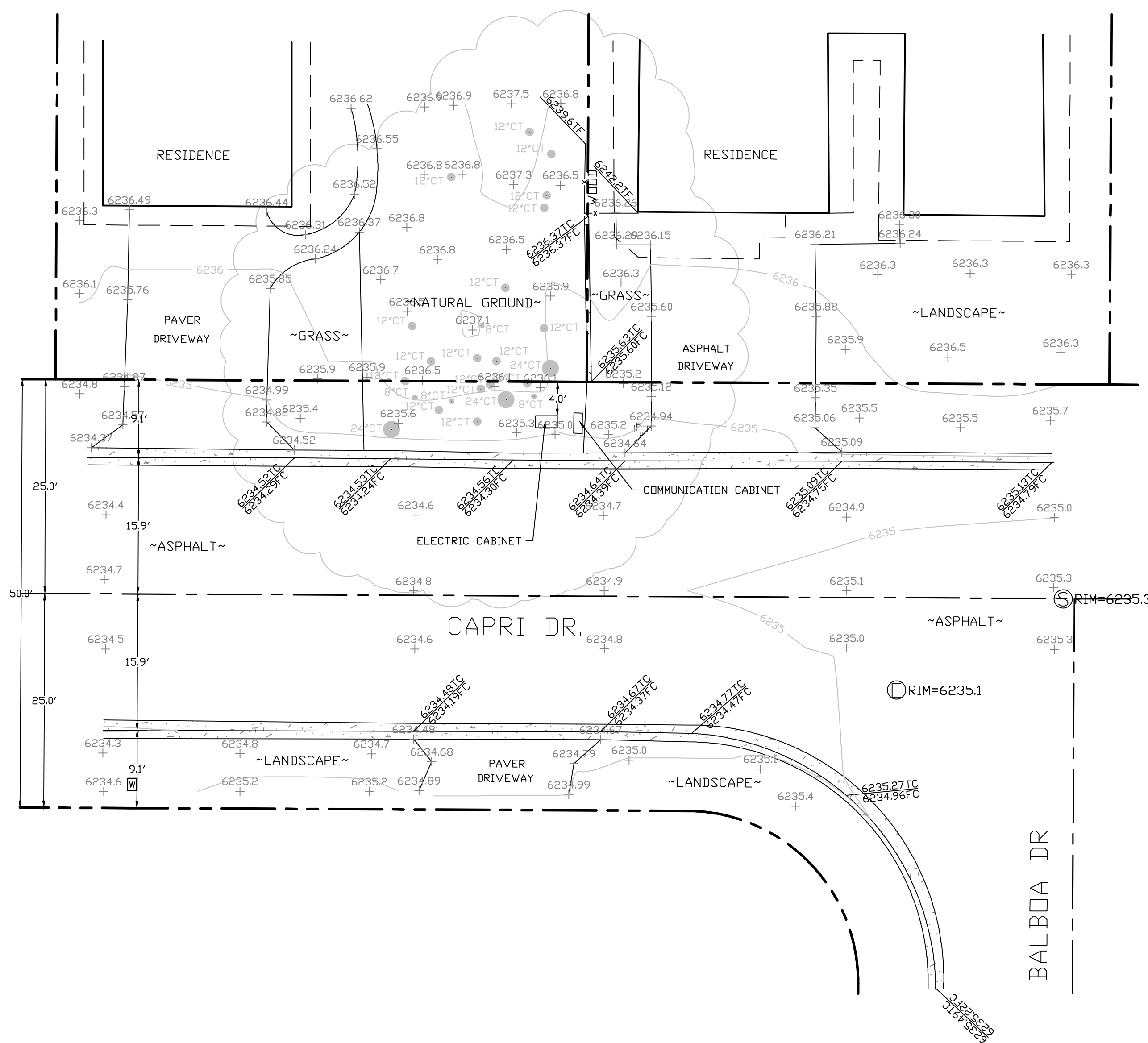
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK C PAGE(S) 7 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 022-041-003-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032365 DATED 08/31/2023;

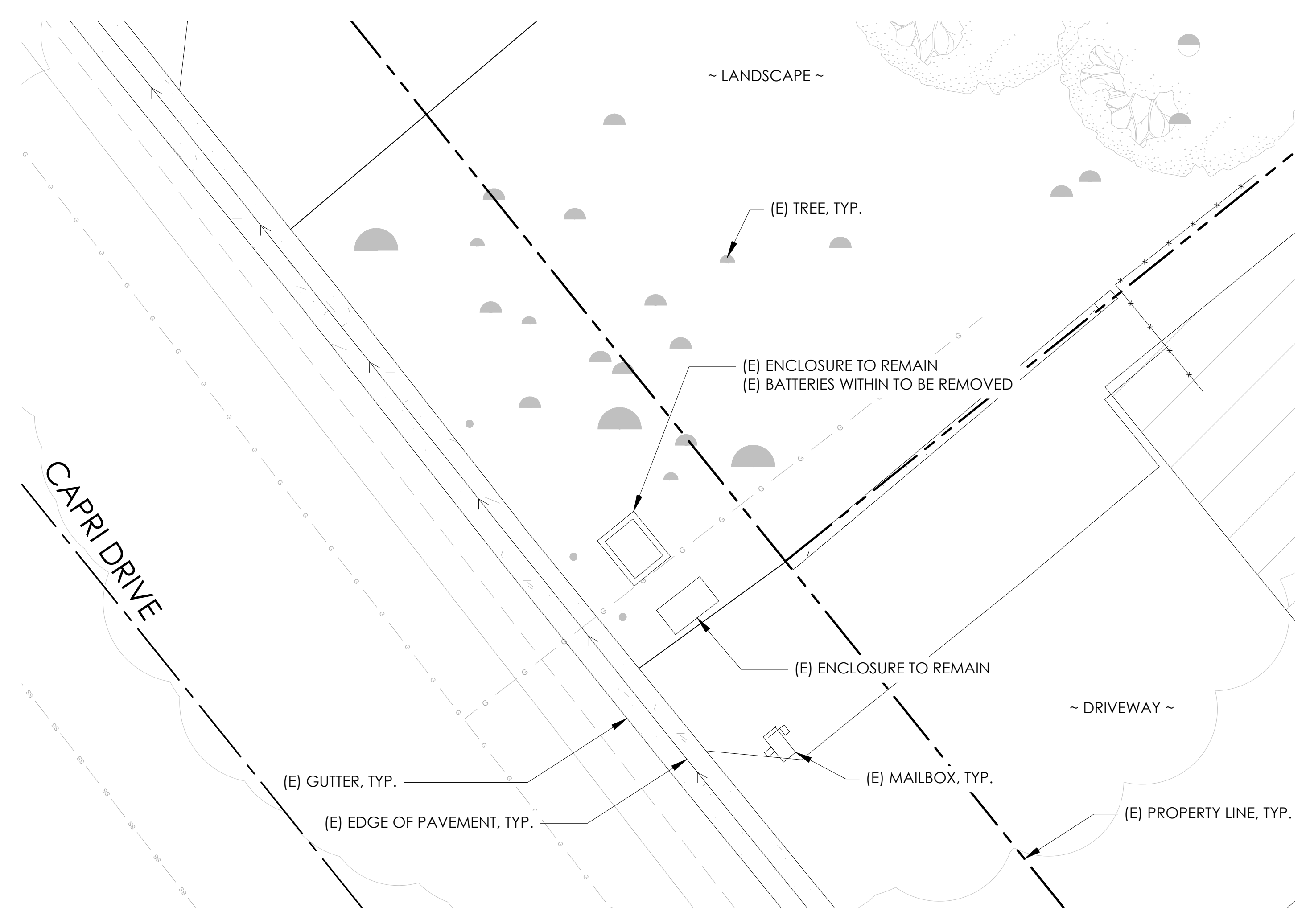


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'





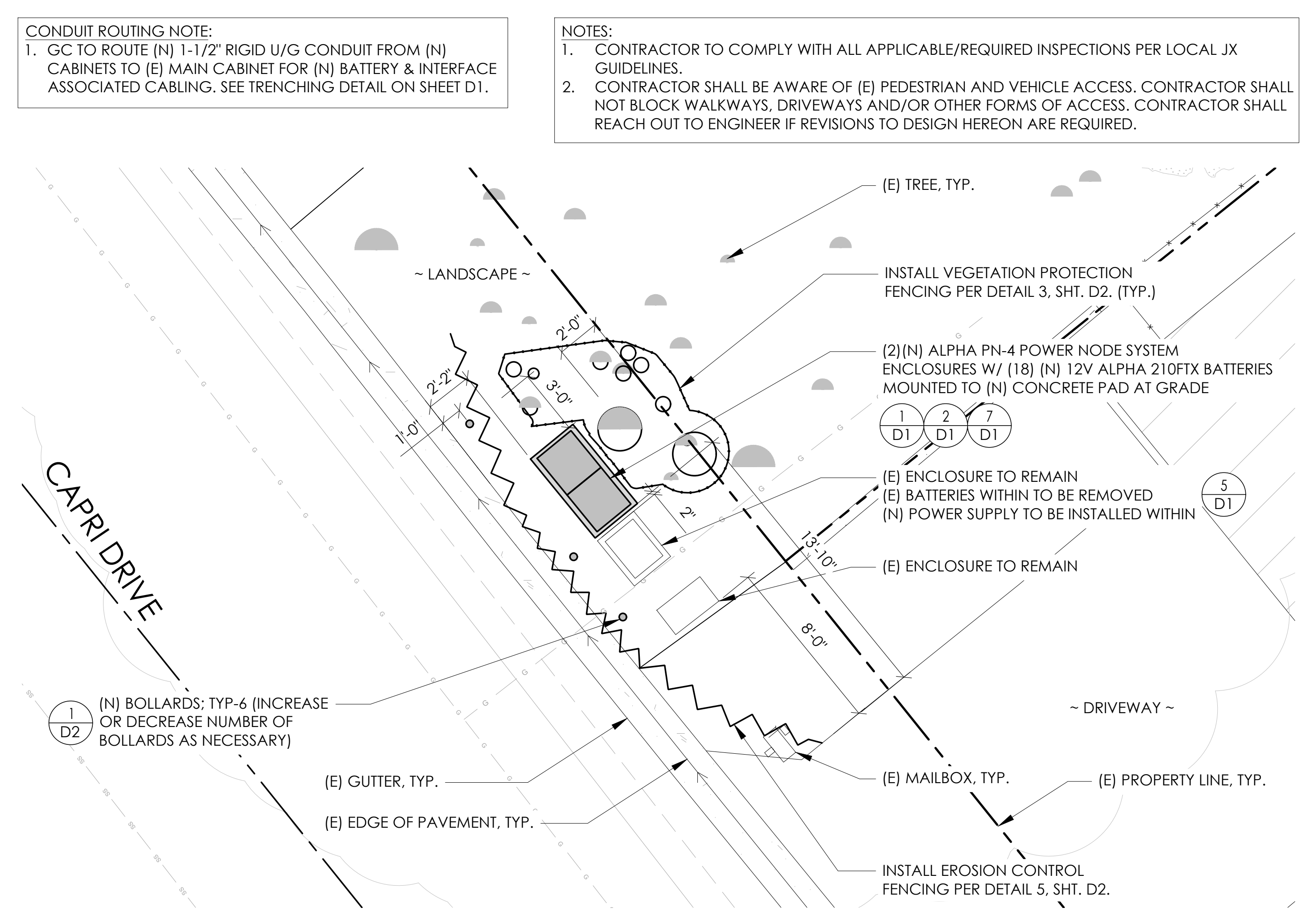
EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

4' 3' 2' 1' 0" 4'

NORTH

2



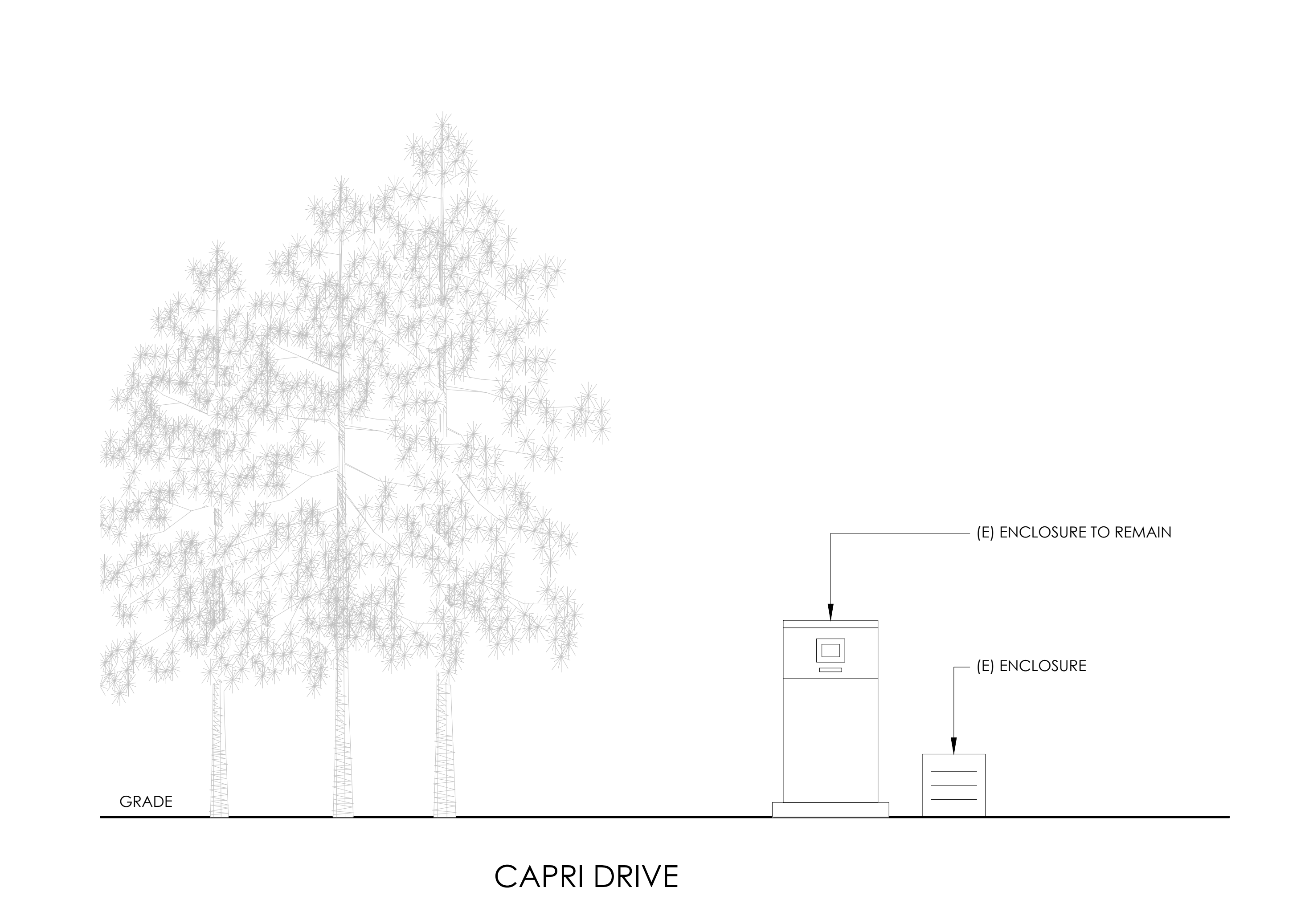
PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

4' 3' 2' 1' 0" 4'

NORTH

1

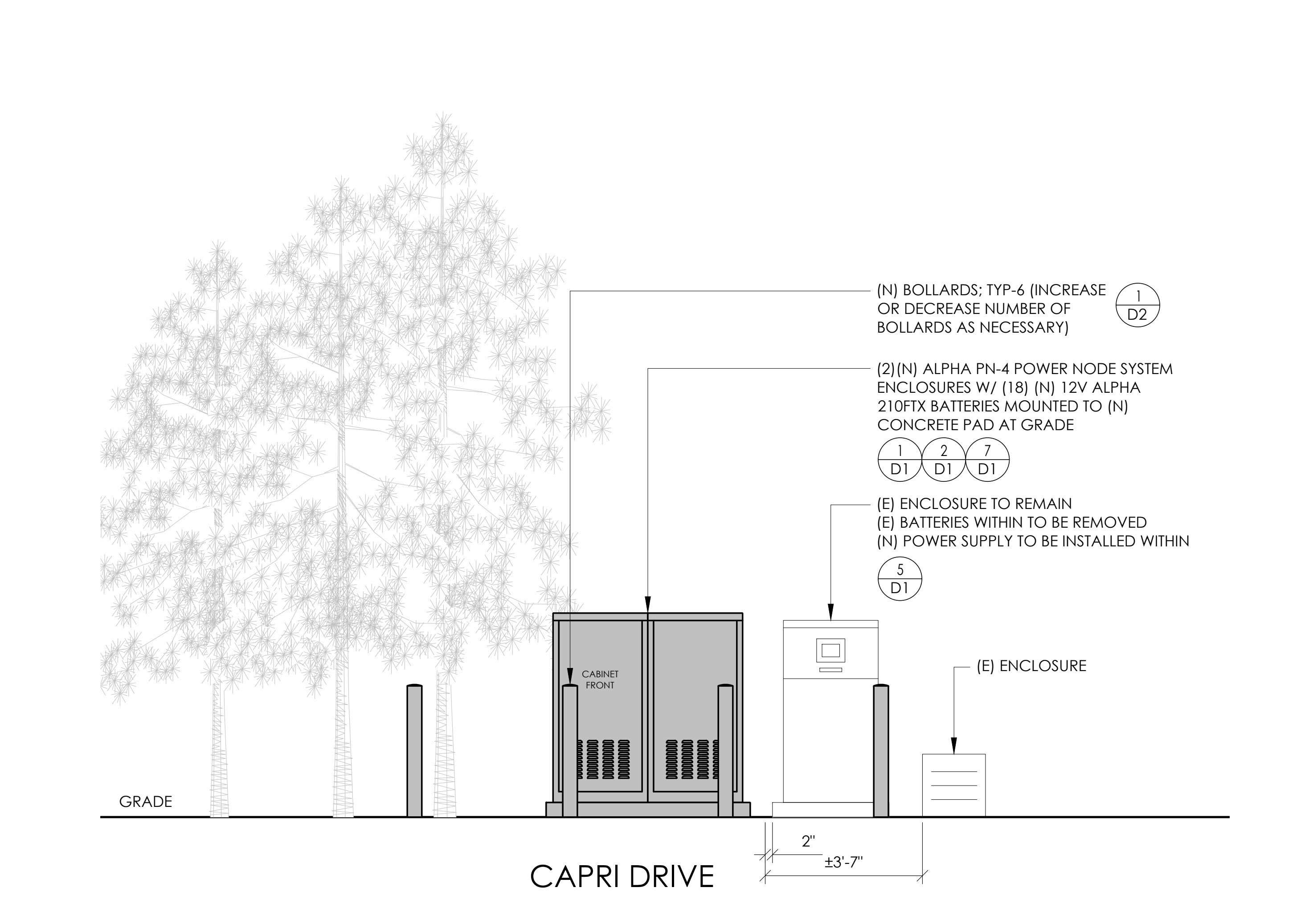


EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

2' 1' 0" 2'

4



PROPOSED ELEVATION

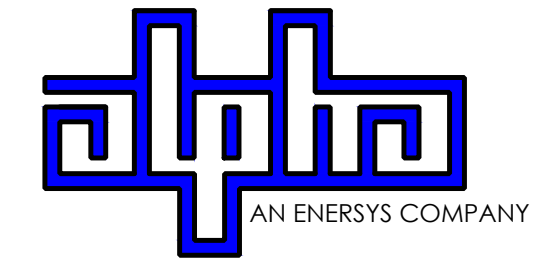
24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

2' 1' 0" 2'

3



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



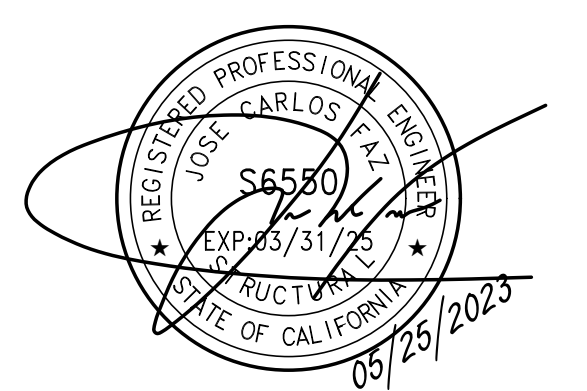
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058524

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	10/05/2023	100% CD REVISION	JG

SEAL



SITE INFORMATION

SITE ID:
ST123

SITE ADDRESS:
421 CAPRI DR.
SOUTH LAKE TAHOE,
CA 96150

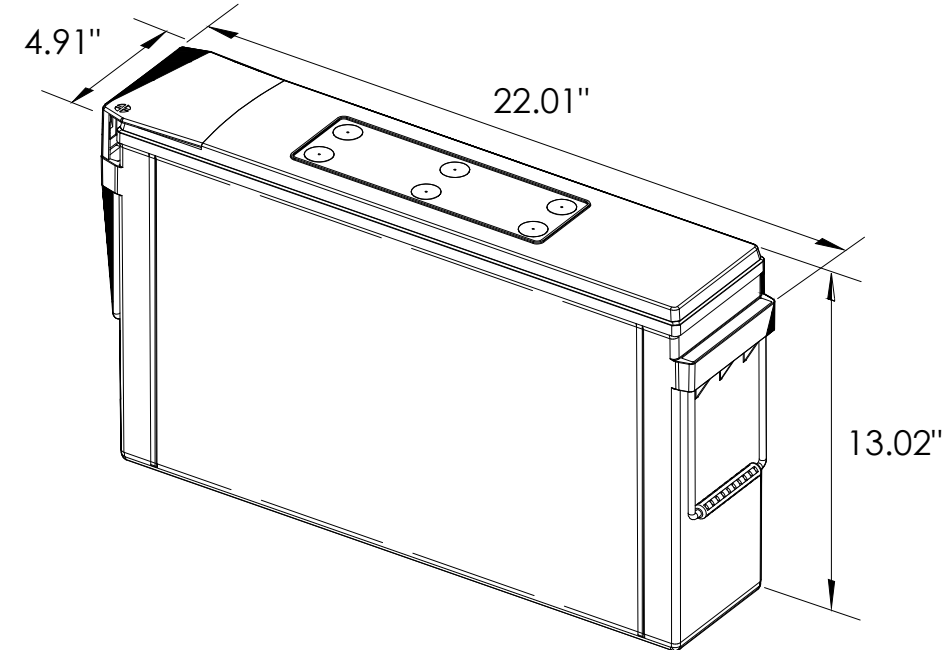
SHEET TITLE:

ELEVATIONS

A1



ALPHA
210 FTX BATTERY UNIT



EQUIPMENT SPECIFICATIONS (1 UNIT)

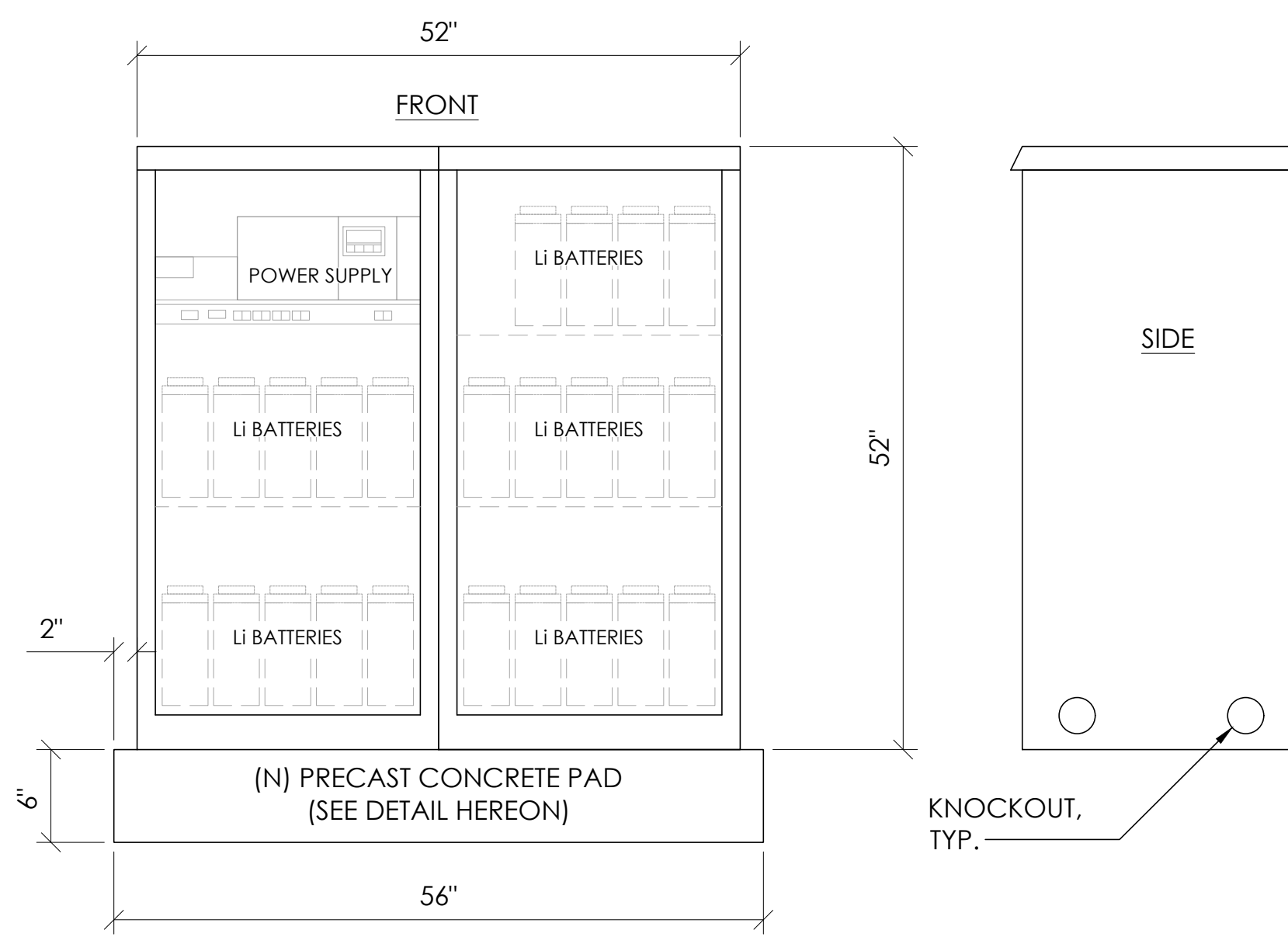
MFG:	ALPHA
MODEL:	210 FTX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

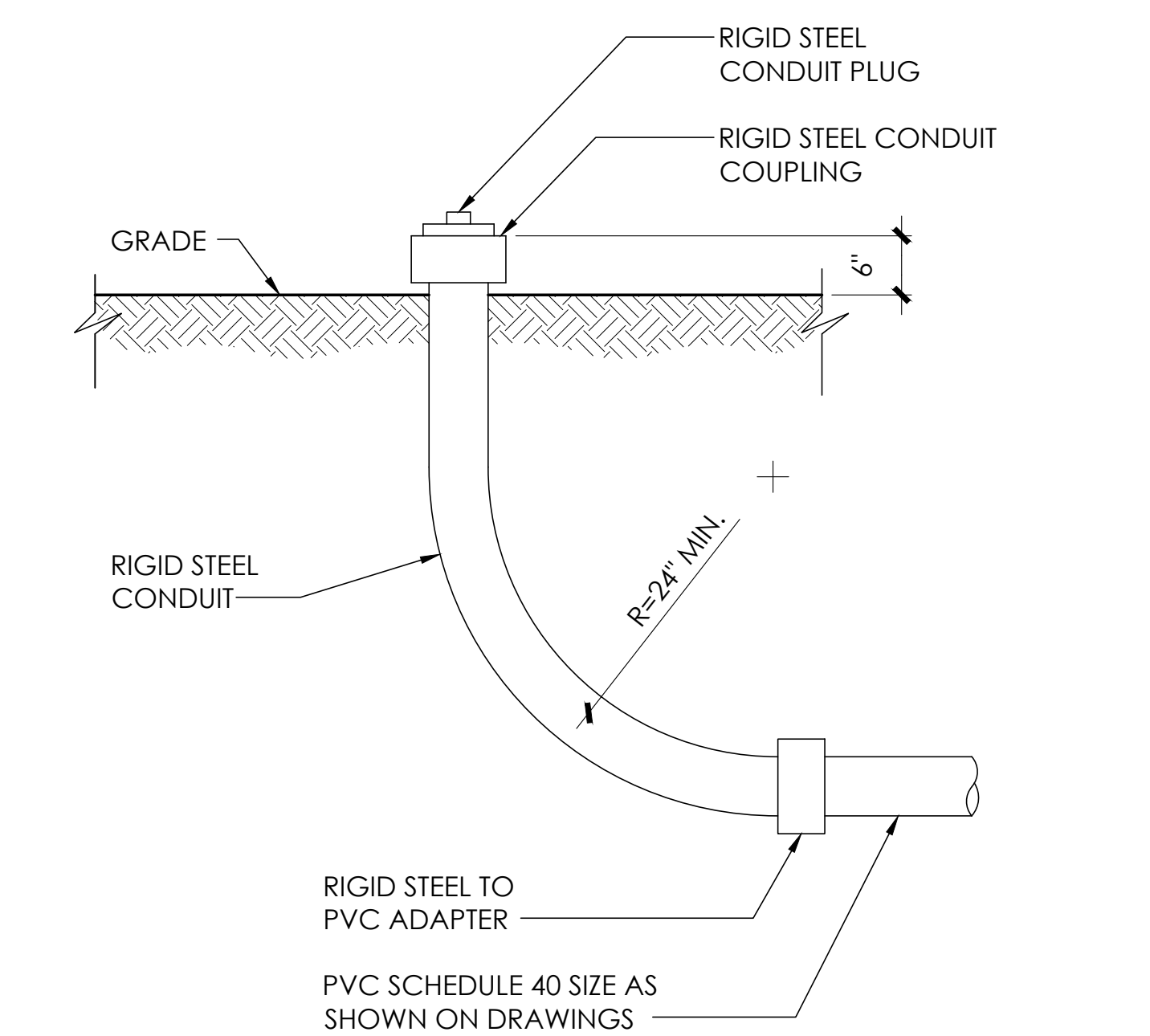
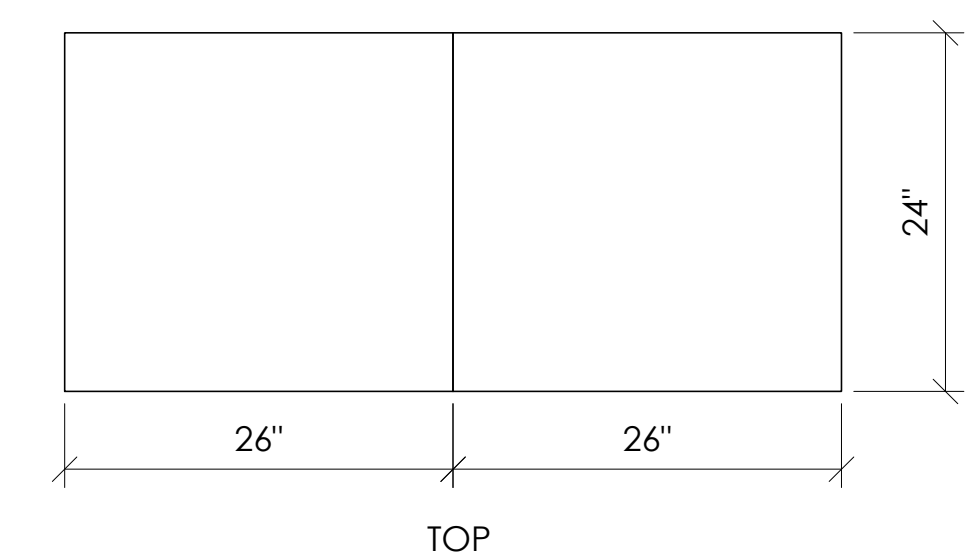
7 BATTERY SPECIFICATIONS
N.T.S.

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

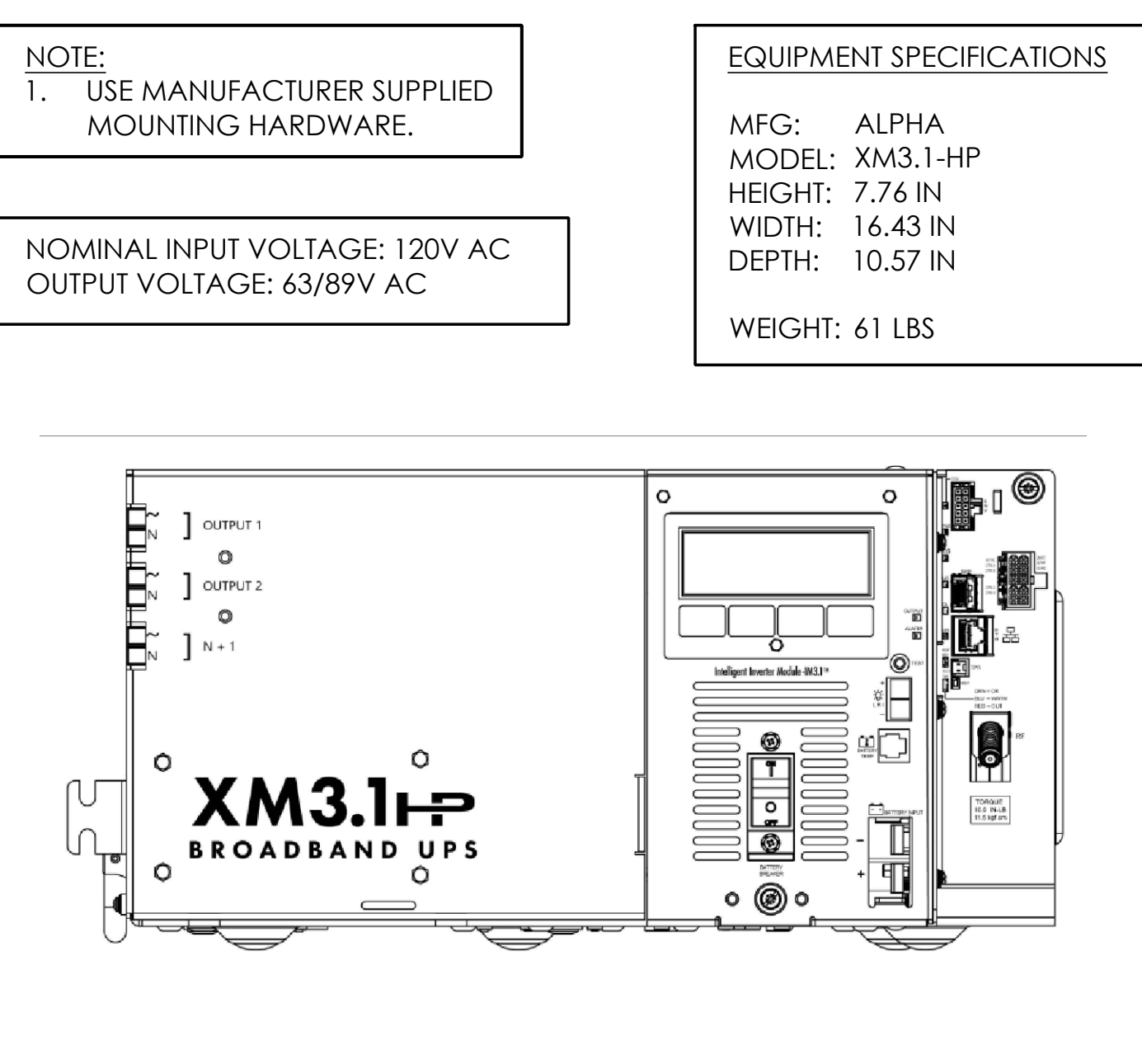


CABINET SPECIFICATIONS

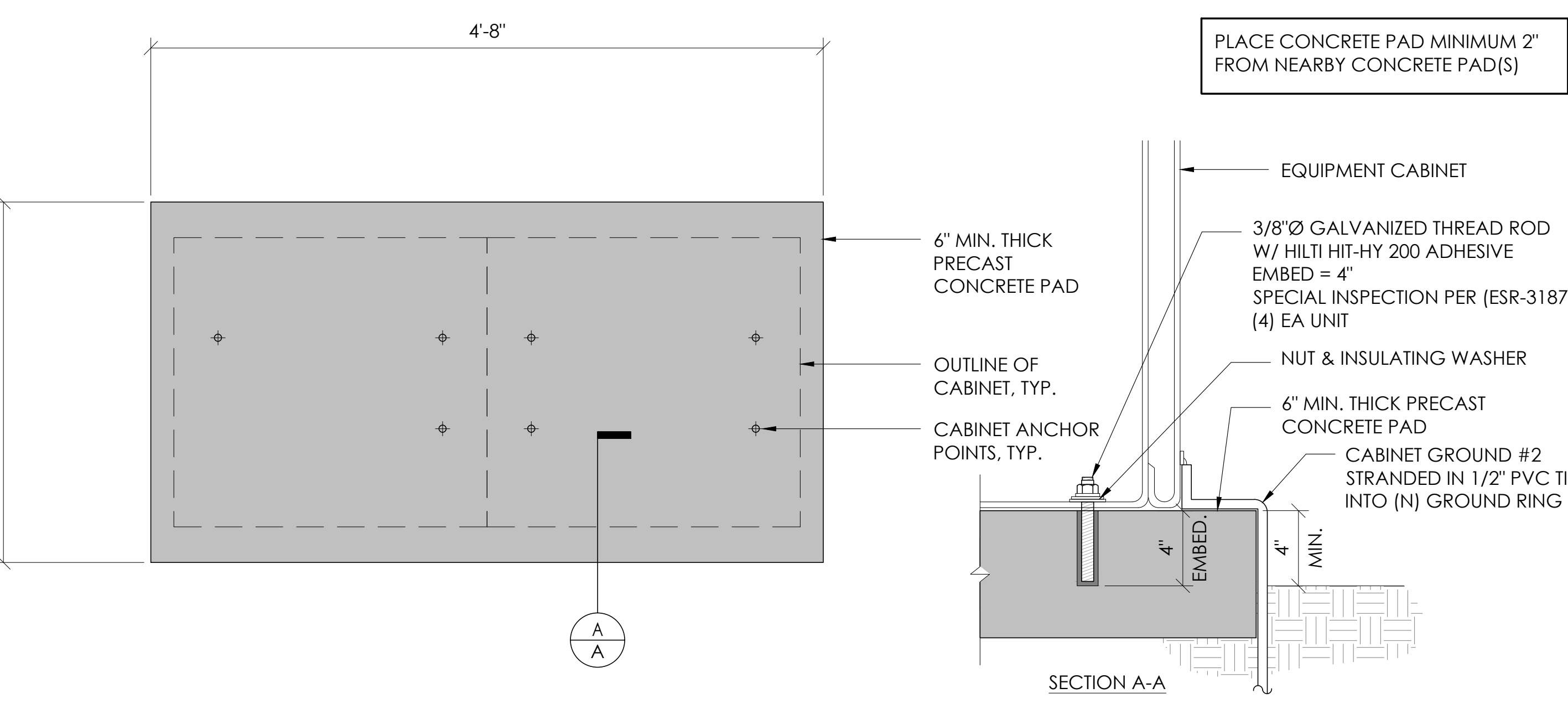
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	1,548 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	
CABINET #1:	(10) BATTERIES
CABINET #2:	(14) BATTERIES



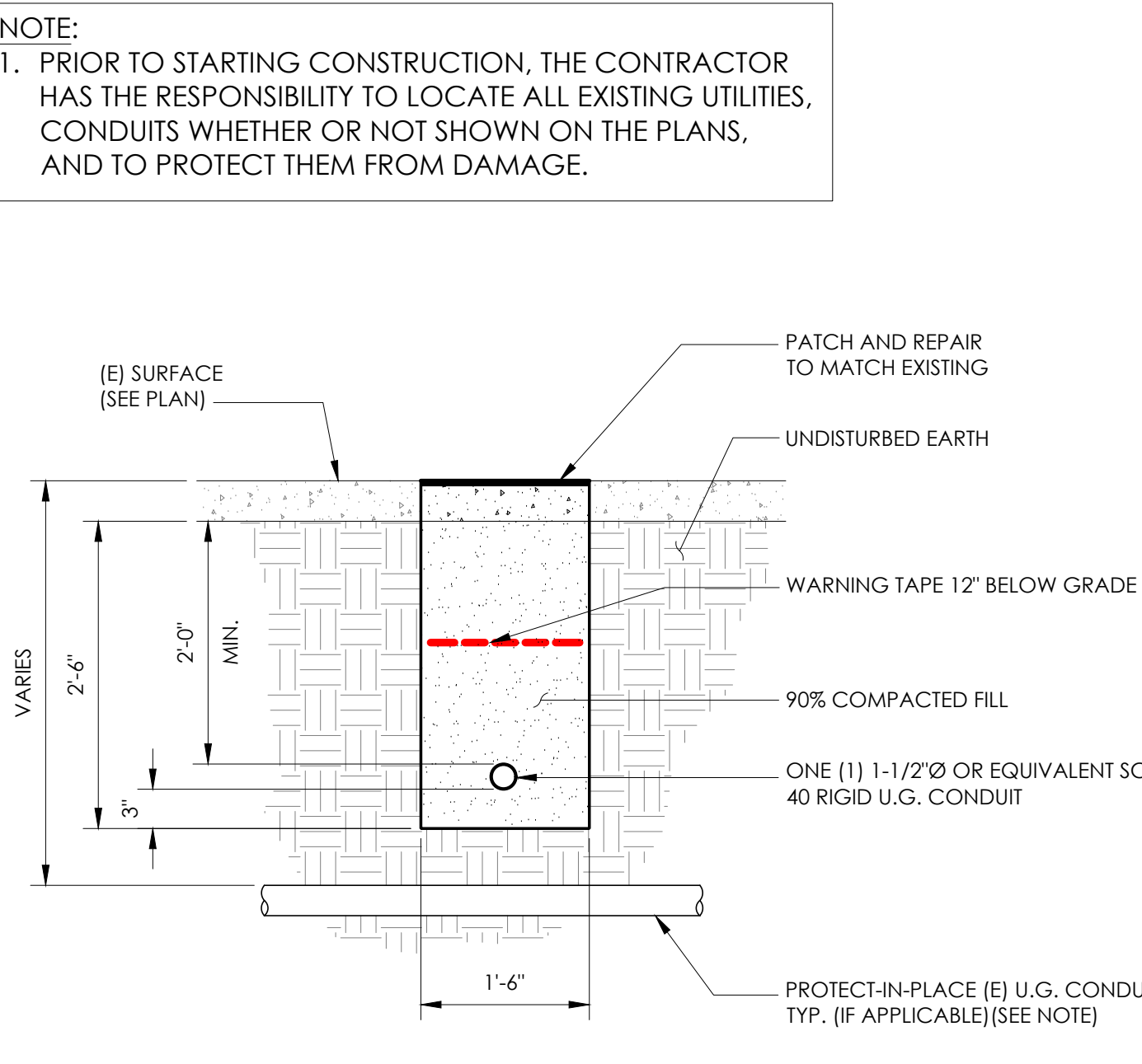
8 STUB-UP DETAIL
N.T.S.



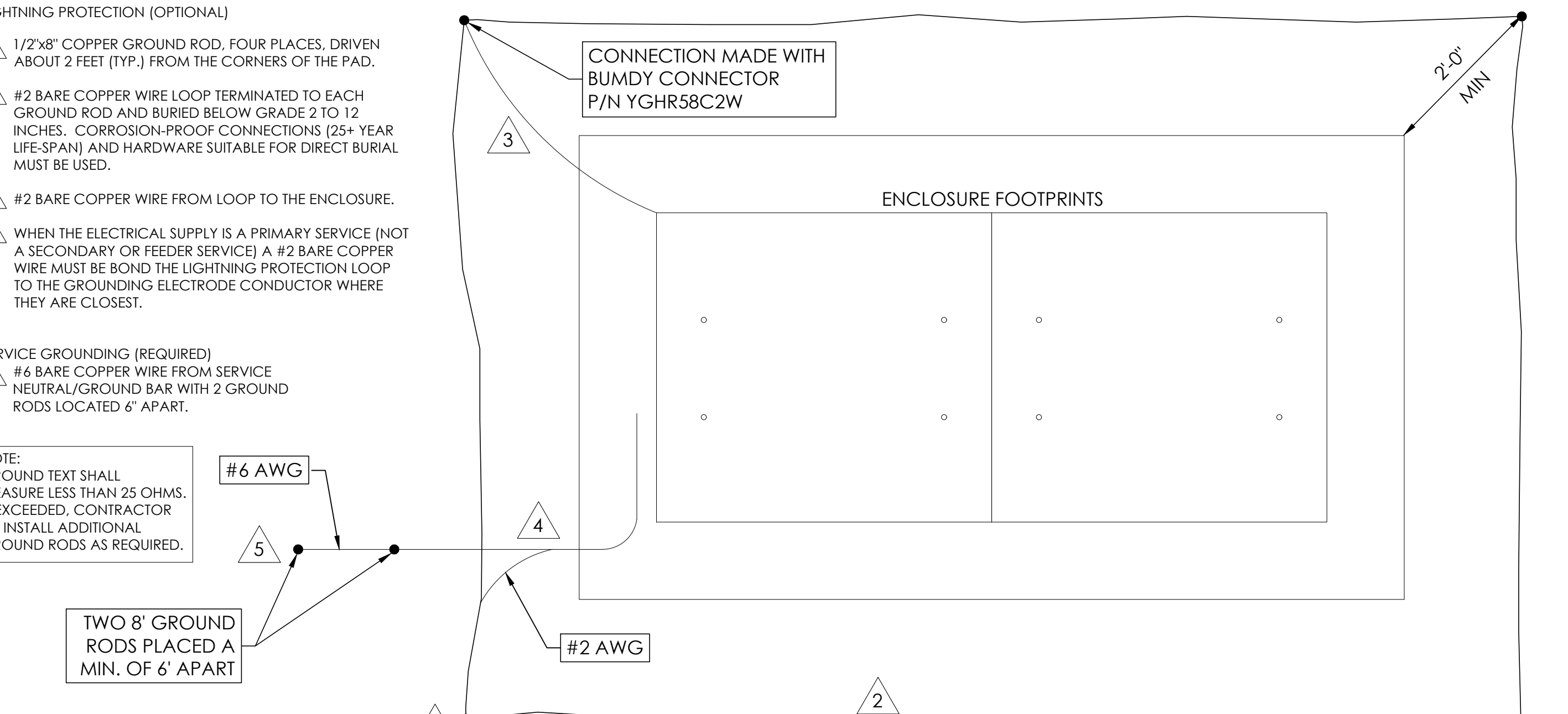
5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.

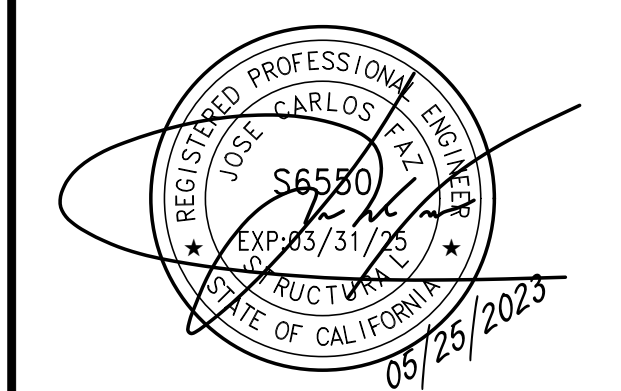


3 GROUNDING DETAIL
N.T.S.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	10/05/2023	100% CD REVISION	JG

SEAL



SITE INFORMATION

SITE ID:
ST123

SITE ADDRESS:
421 CAPRI DR,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

DETAILS

D1

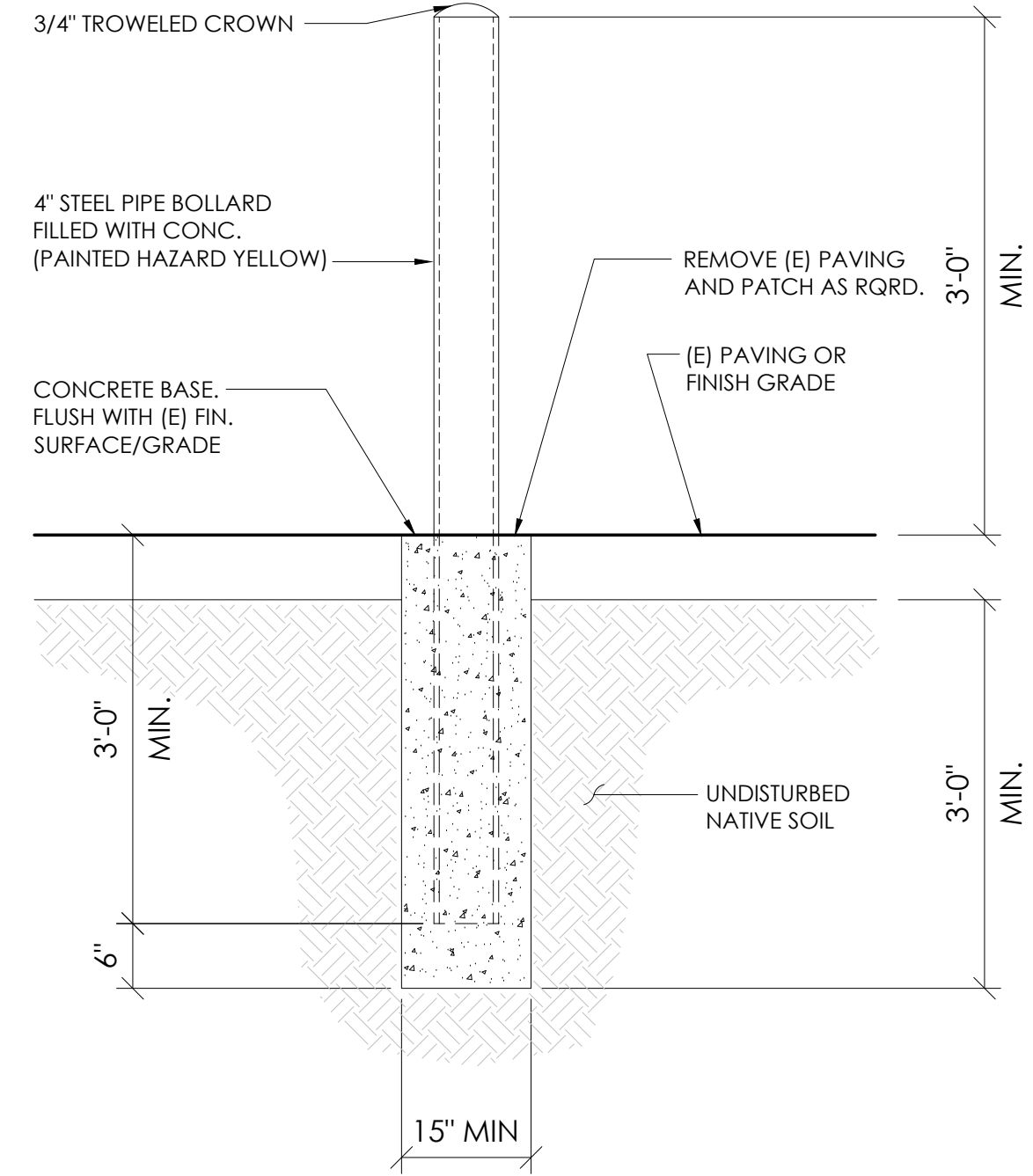
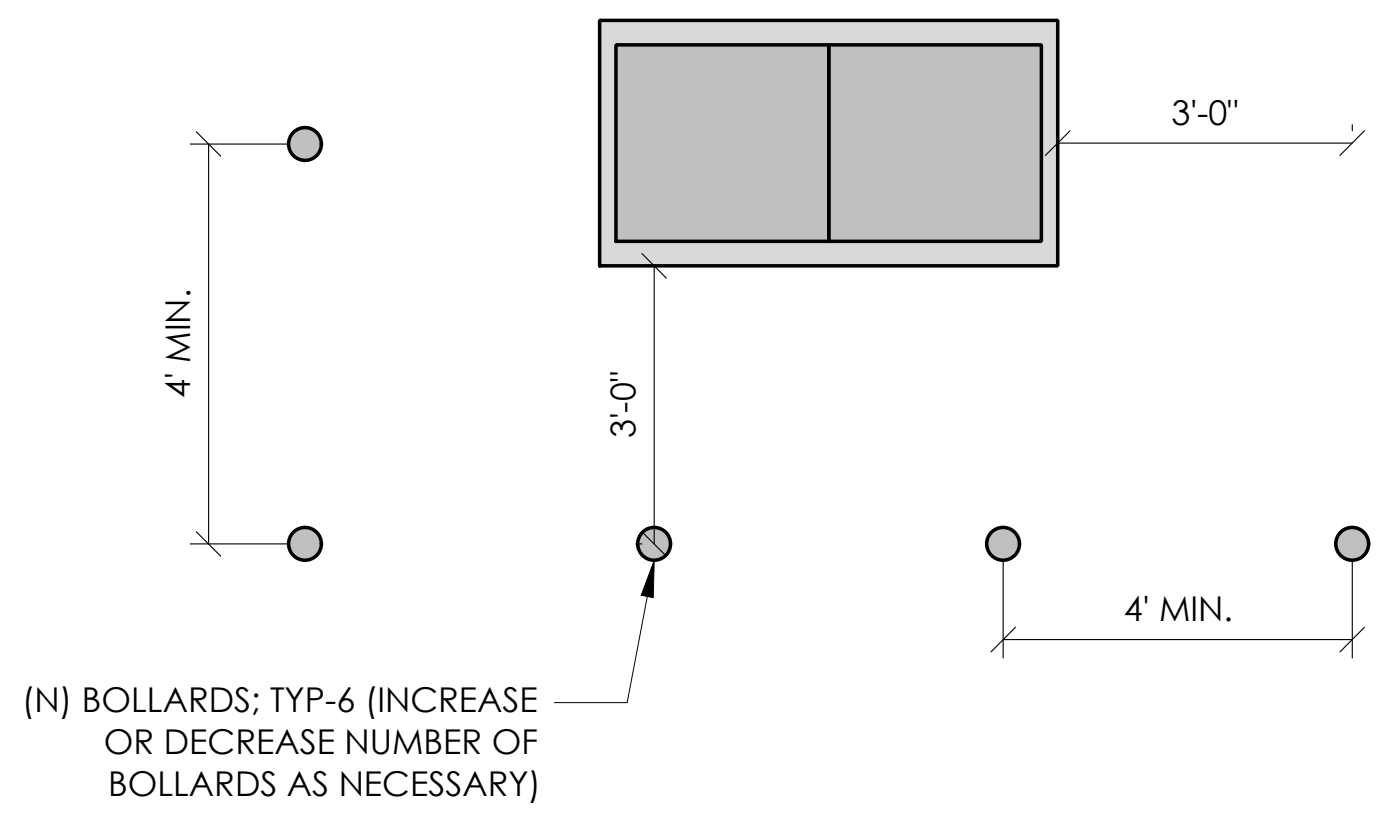
ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	10/05/2023	100% CD REVISION	JG

10 NOT USED N.T.S.

7 NOT USED N.T.S.

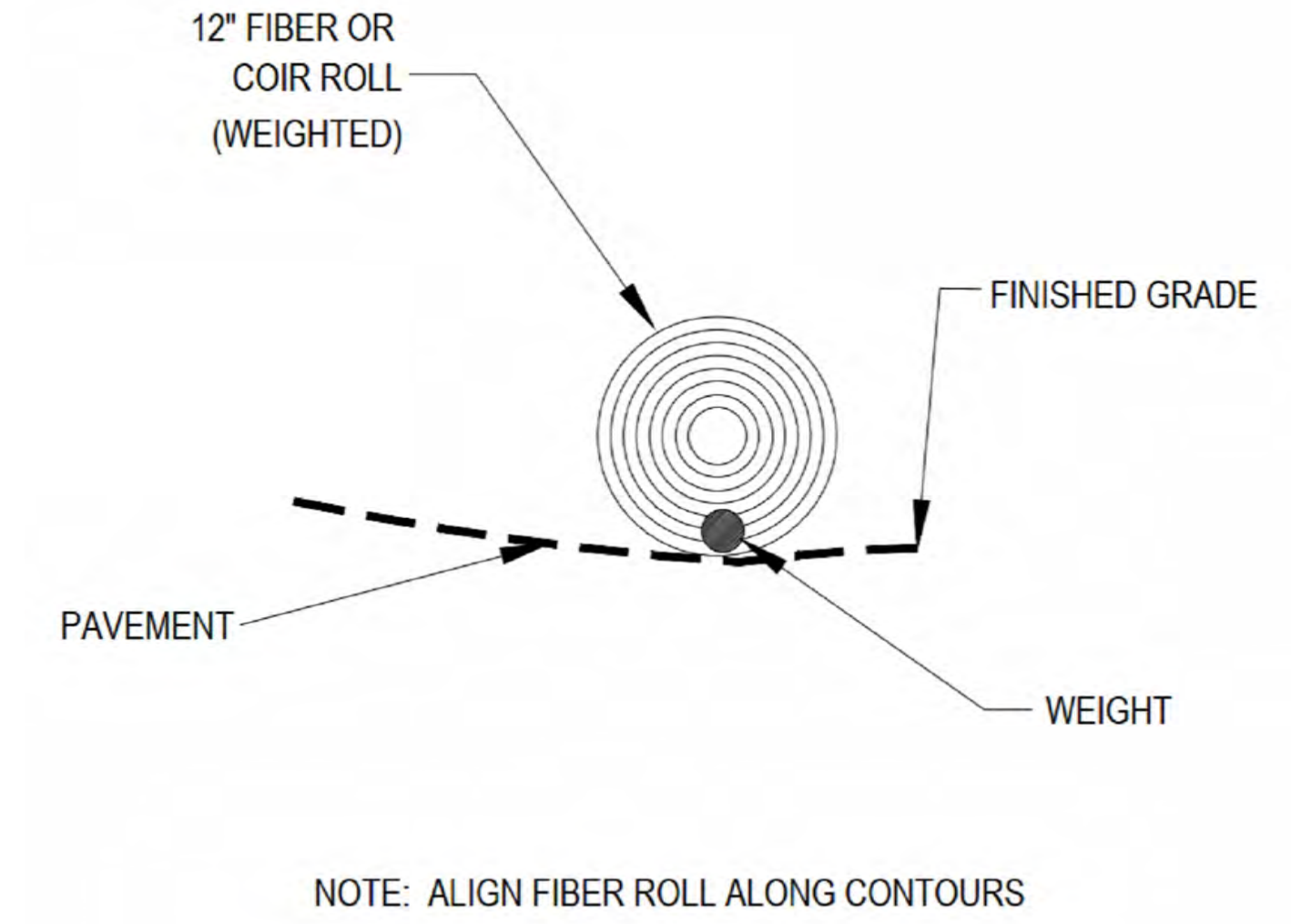
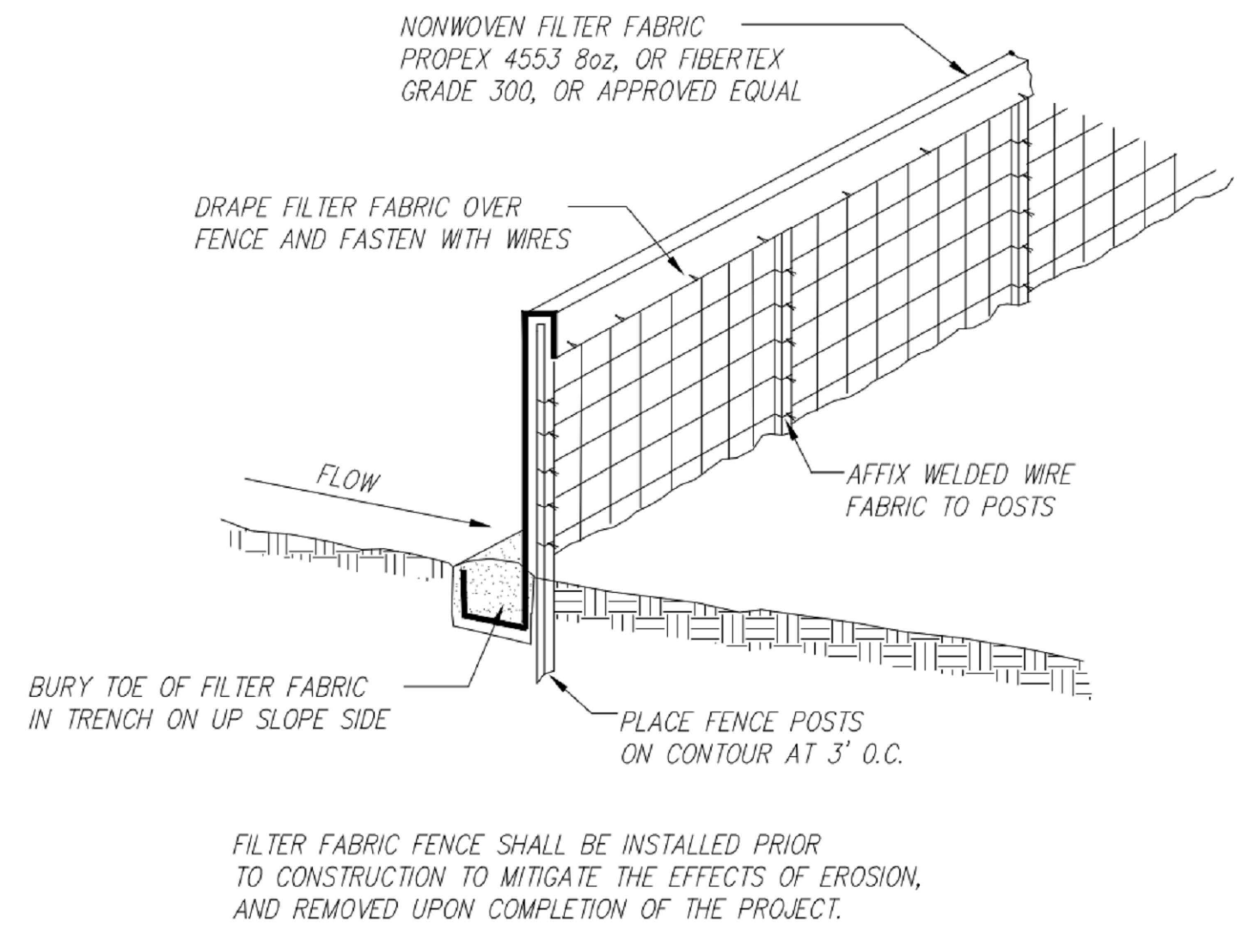
1 BOLLARD DETAIL N.T.S.



11 NOT USED N.T.S.

8 NOT USED N.T.S.

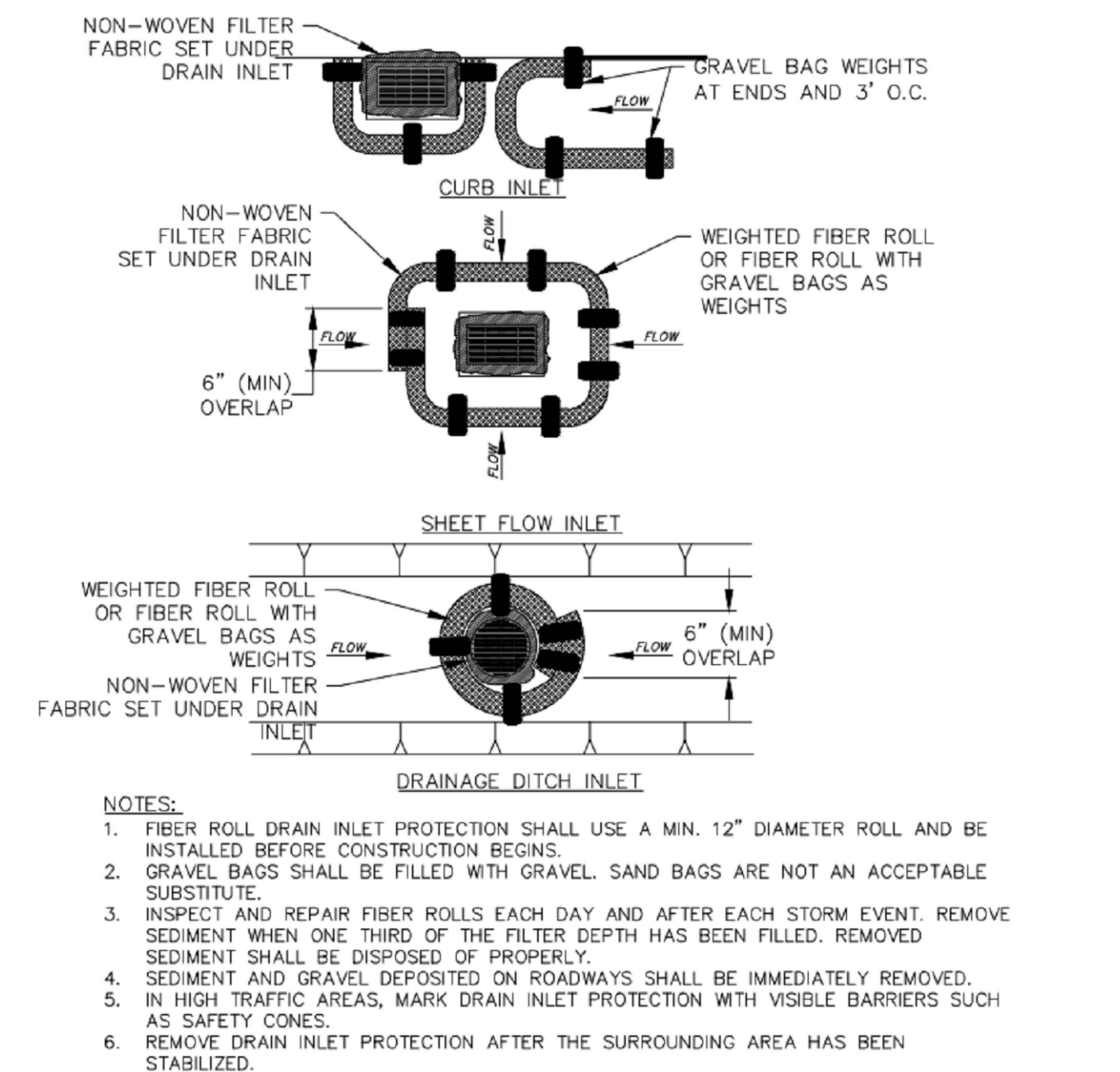
5 EROSION CONTROL FENCING N.T.S.



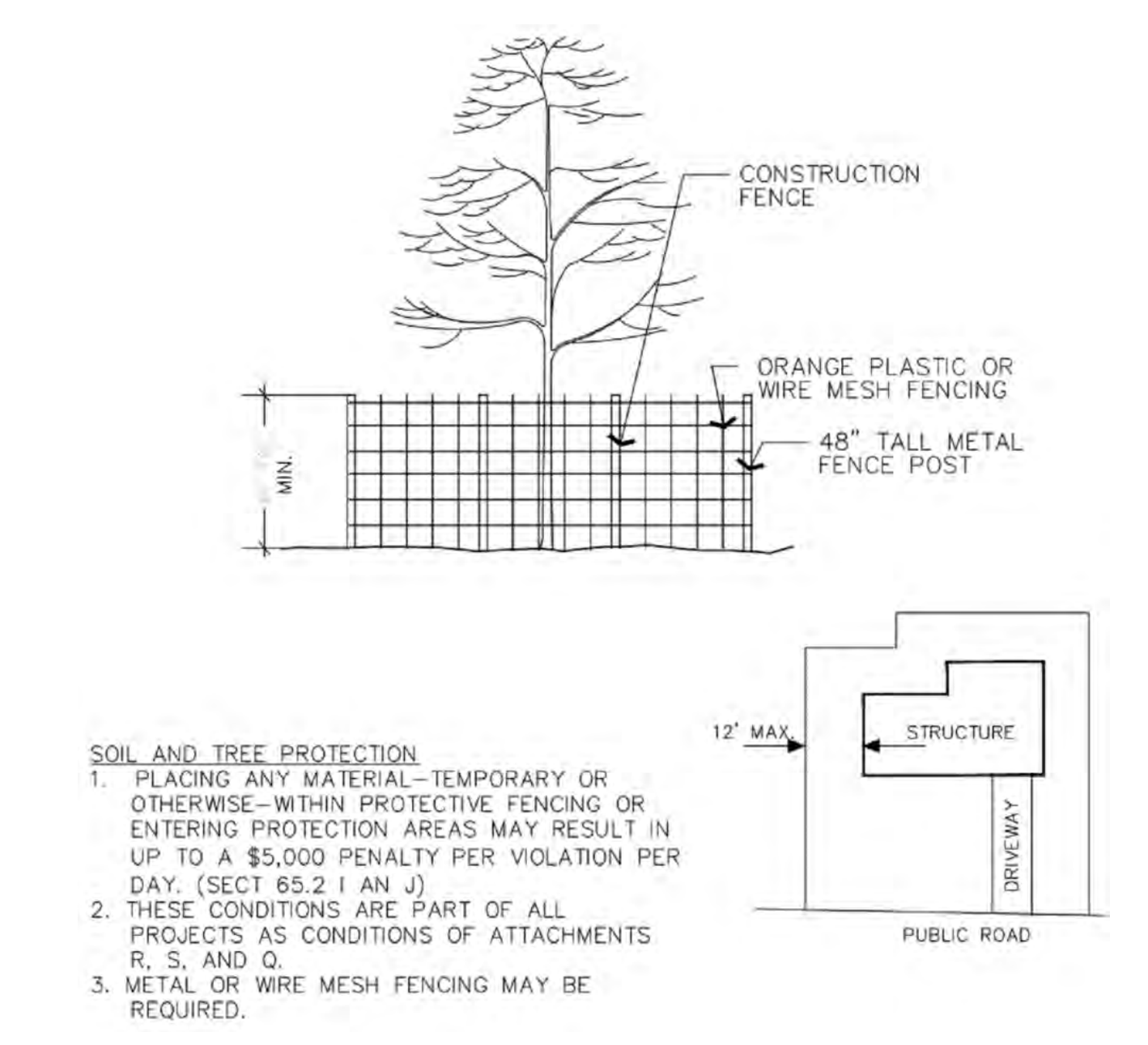
12 NOT USED N.T.S.

9 NOT USED N.T.S.

6 FIBER ROLL DRAIN INLET DETAIL N.T.S.

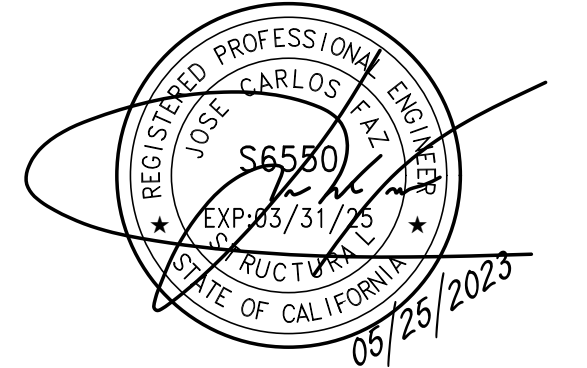


2 WEIGHTED COIR LOGS N.T.S.



3 VEGETATION PROTECTION FENCING N.T.S.

SEAL



SITE INFORMATION

SITE ID: ST123

SITE ADDRESS: 421 CAPRI DR, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

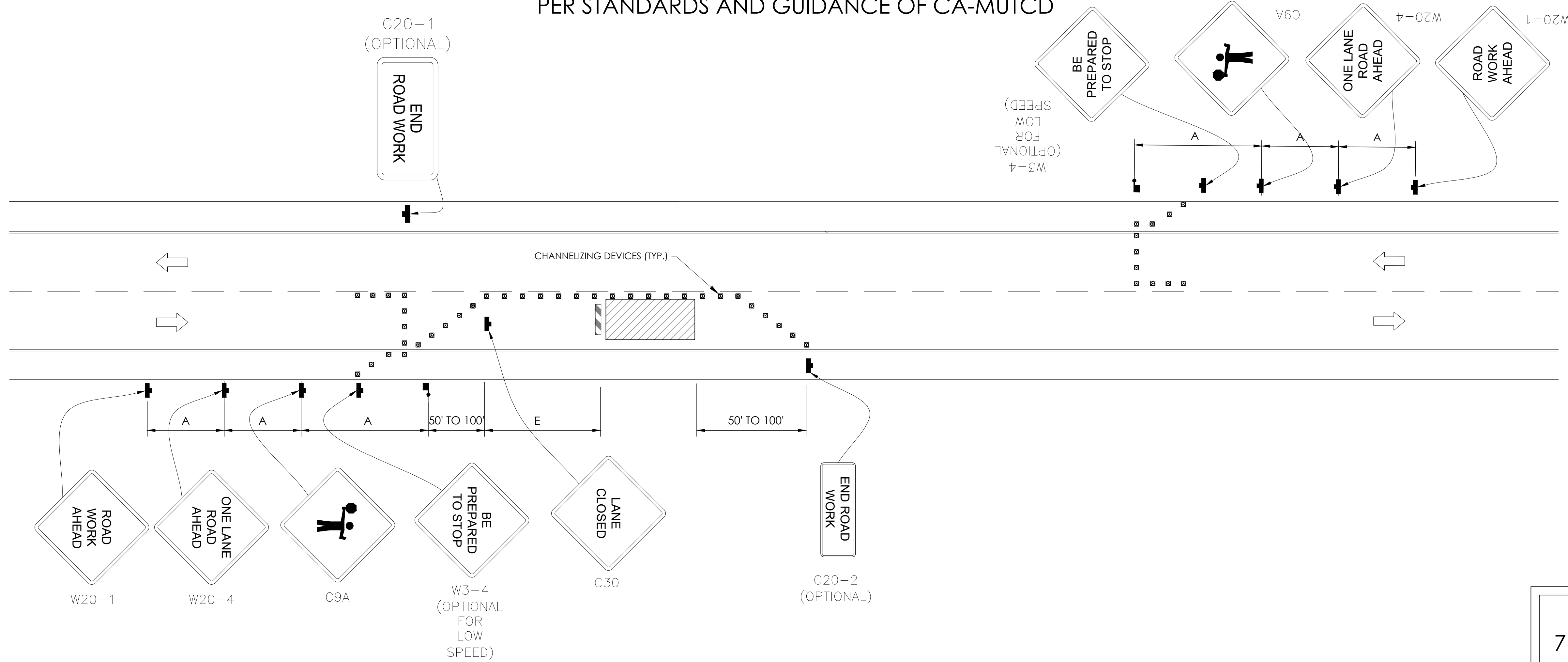
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



GENERAL NOTES:

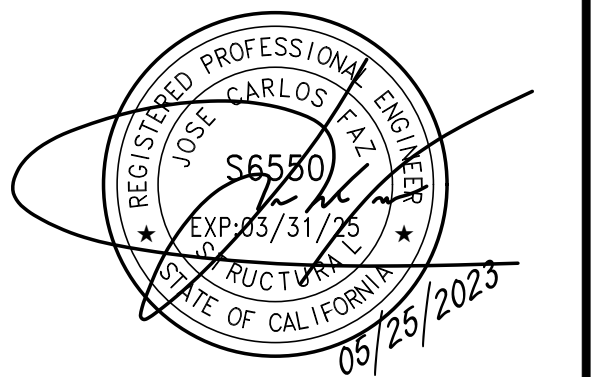
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	10/05/2023	100% CD REVISION	JG

SEAL



SITE INFORMATION

SITE ID: ST123

SITE ADDRESS:
421 CAPRI DR,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

LOCATION MAP



SITE ID: ST125C_A

SITE ADDRESS: 705 ELOISE, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	705 ELOISE SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.92166445671853, -120.01386488968339
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	8
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	1 C.Y.

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@energysys.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 2 - CALIFORNIA ADMINISTRATIVE CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT
 PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANSITIA-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

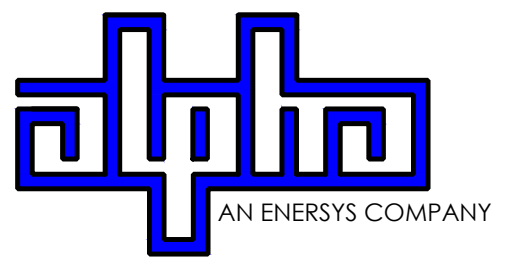
GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



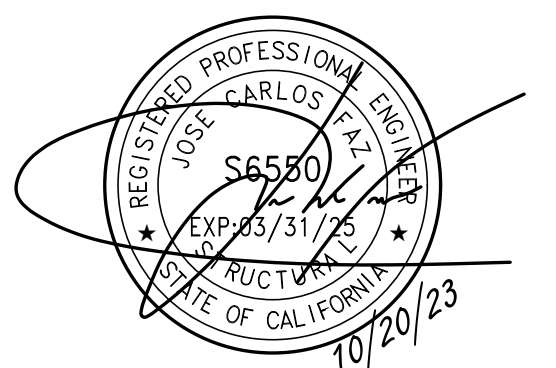
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069695

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
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3	05/25/23	100% CD REV PER PCC#1	JG
4	10/12/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

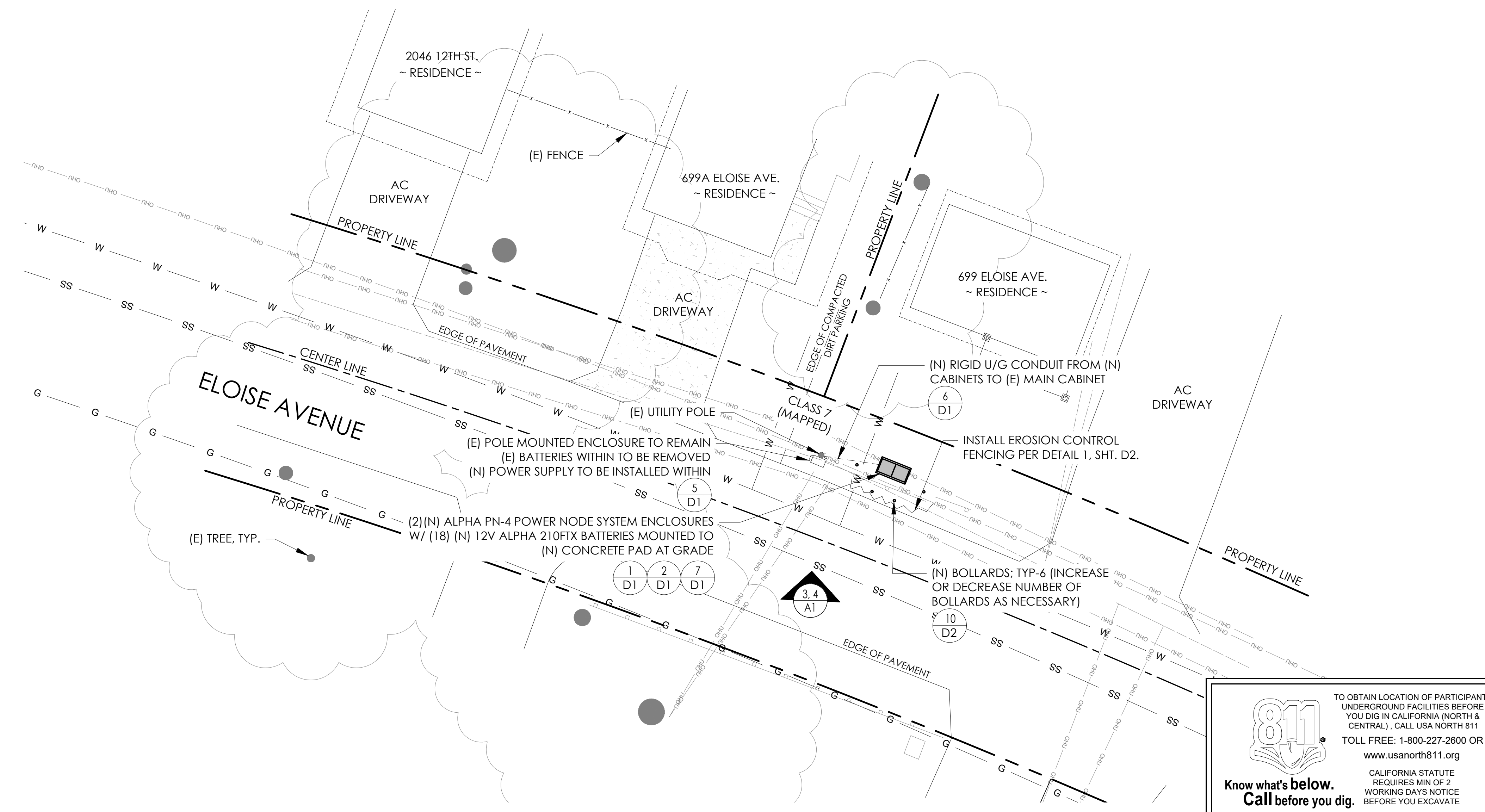
SITE ID: ST125C_A

SITE ADDRESS: 705 ELOISE, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

T1



811

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811

TOLL FREE: 1-800-227-2600 OR www.usanorth811.org

CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

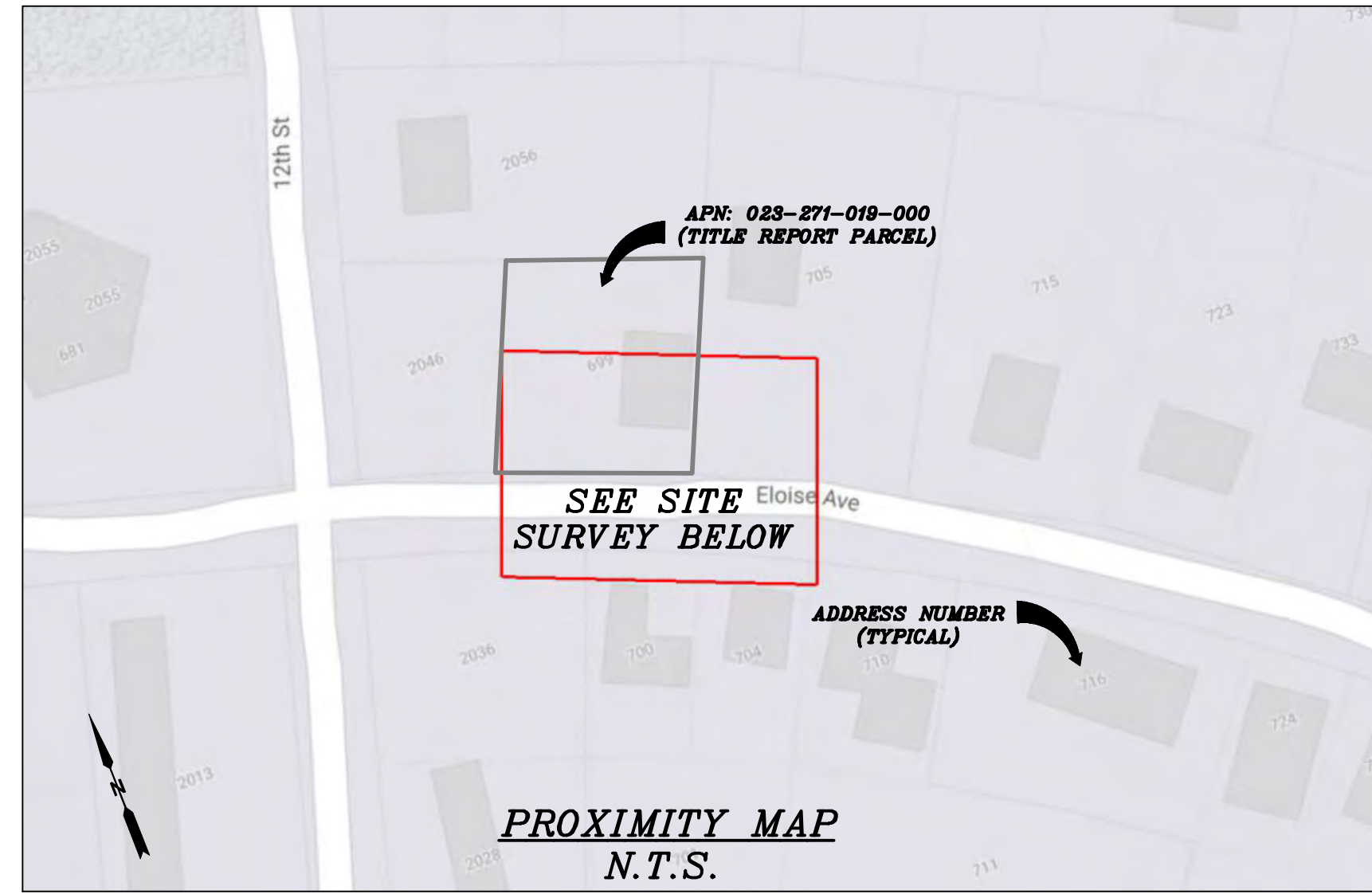
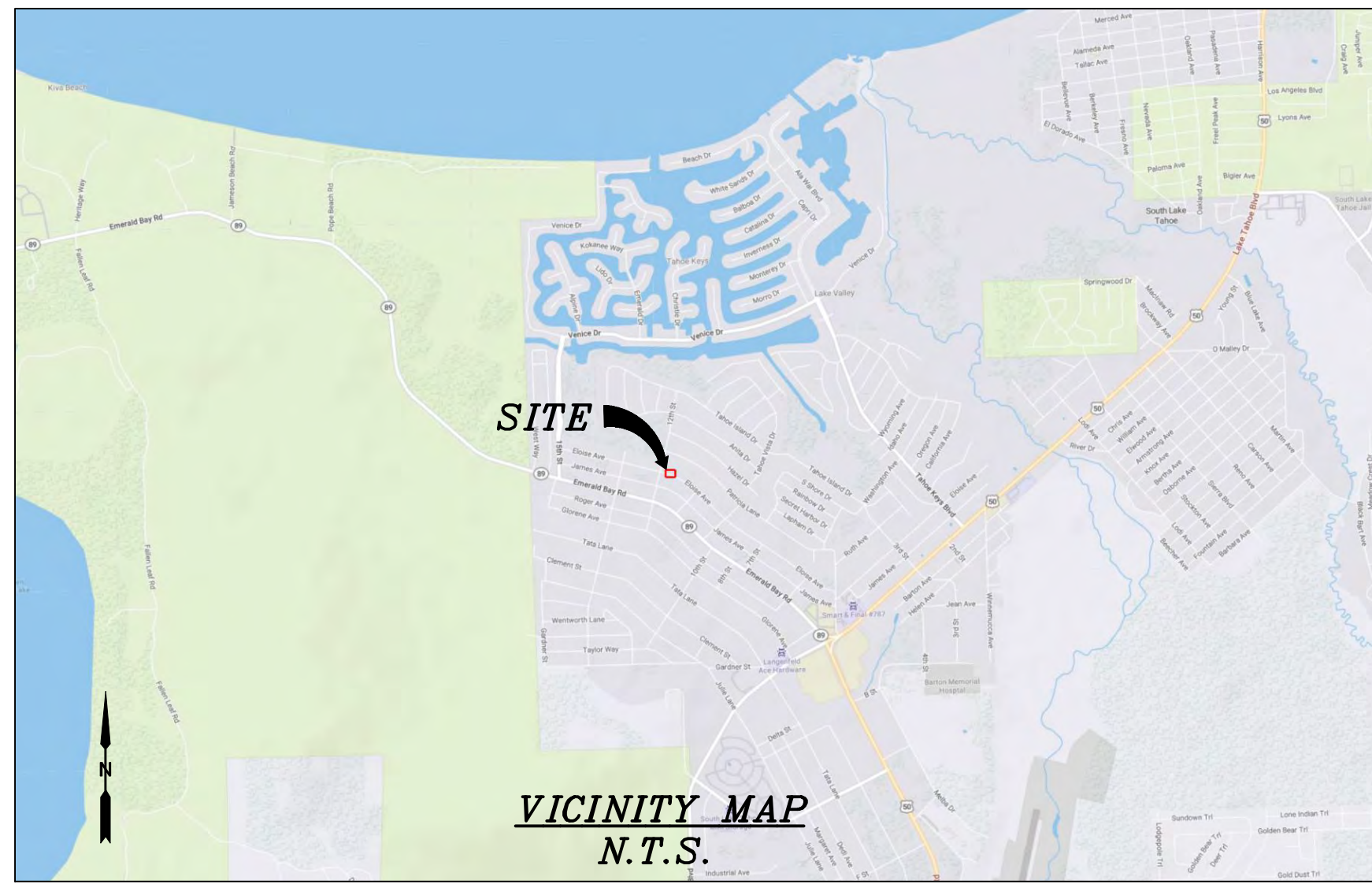
Know what's below. Call before you dig.

24"x36" SCALE: 1" = 20'-0"
 11"x17" SCALE: 1" = 40'-0"

20' 10' 0' 20'

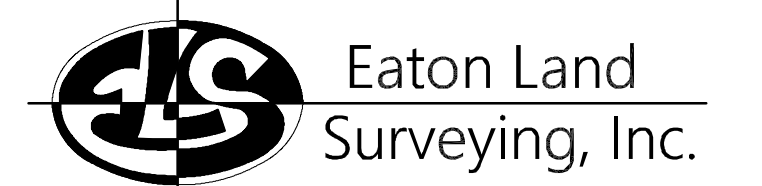
NORTH

SITE PLAN



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

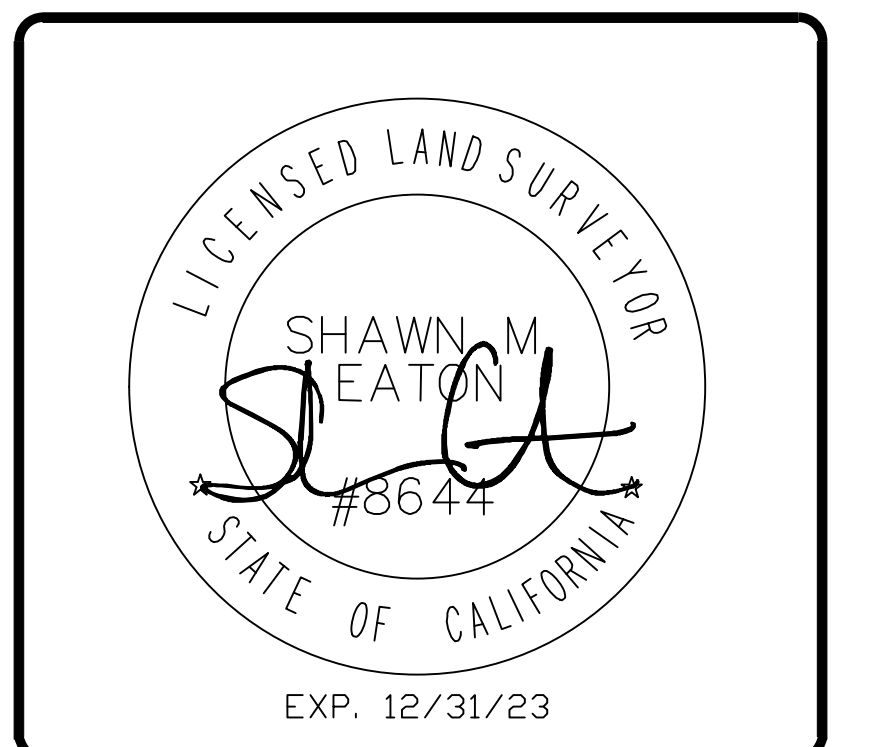
ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/09/23	SUBMITTAL



PROJECT INFORMATION:
ST125C_A
705 ELOISE AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/27/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

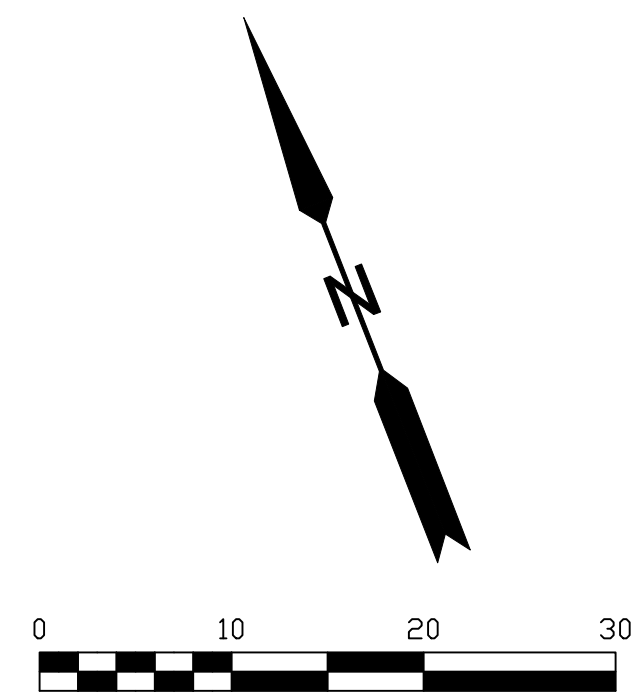
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 59 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

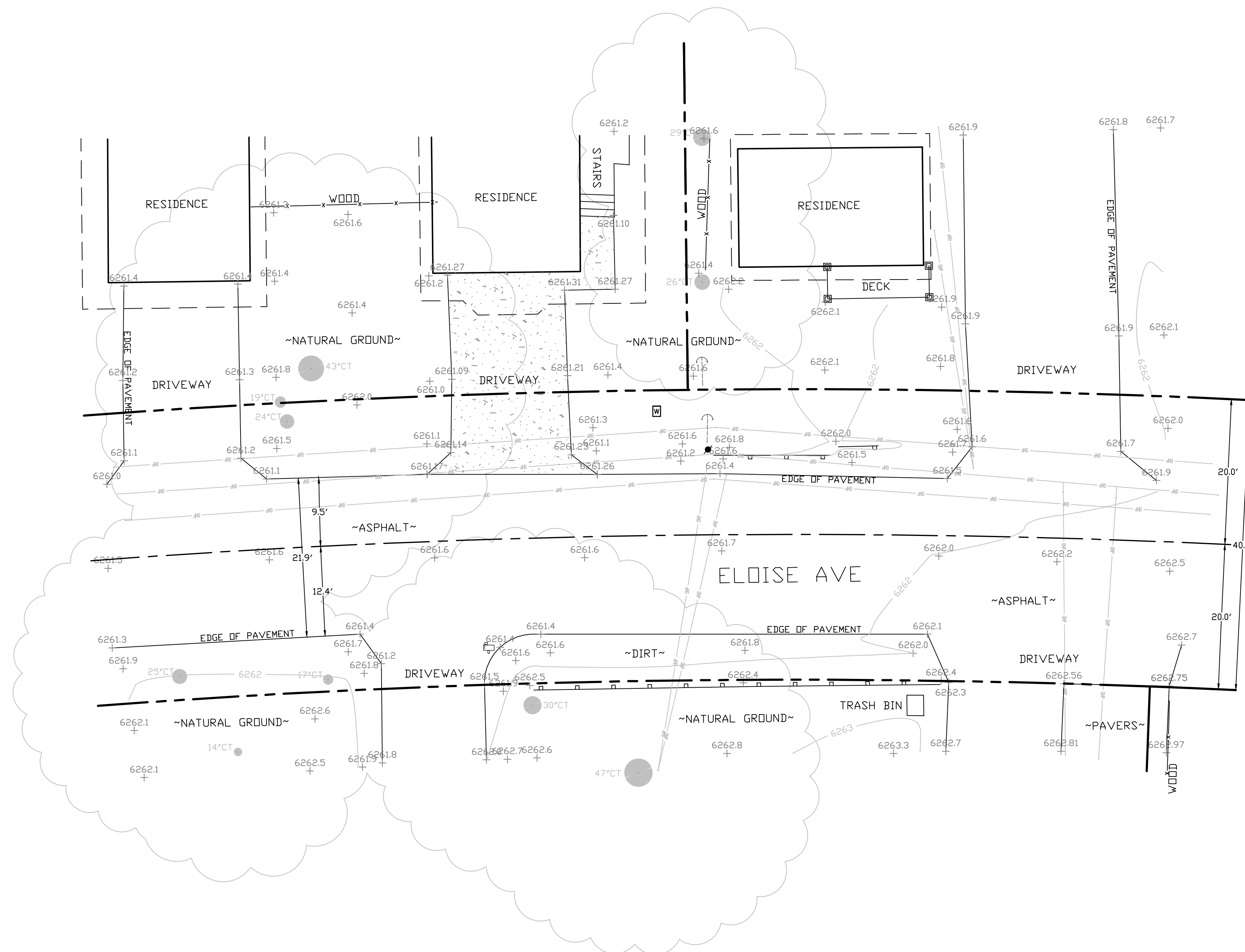
TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 023-271-019-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032284 DATED 08/31/2023;



LEGEND

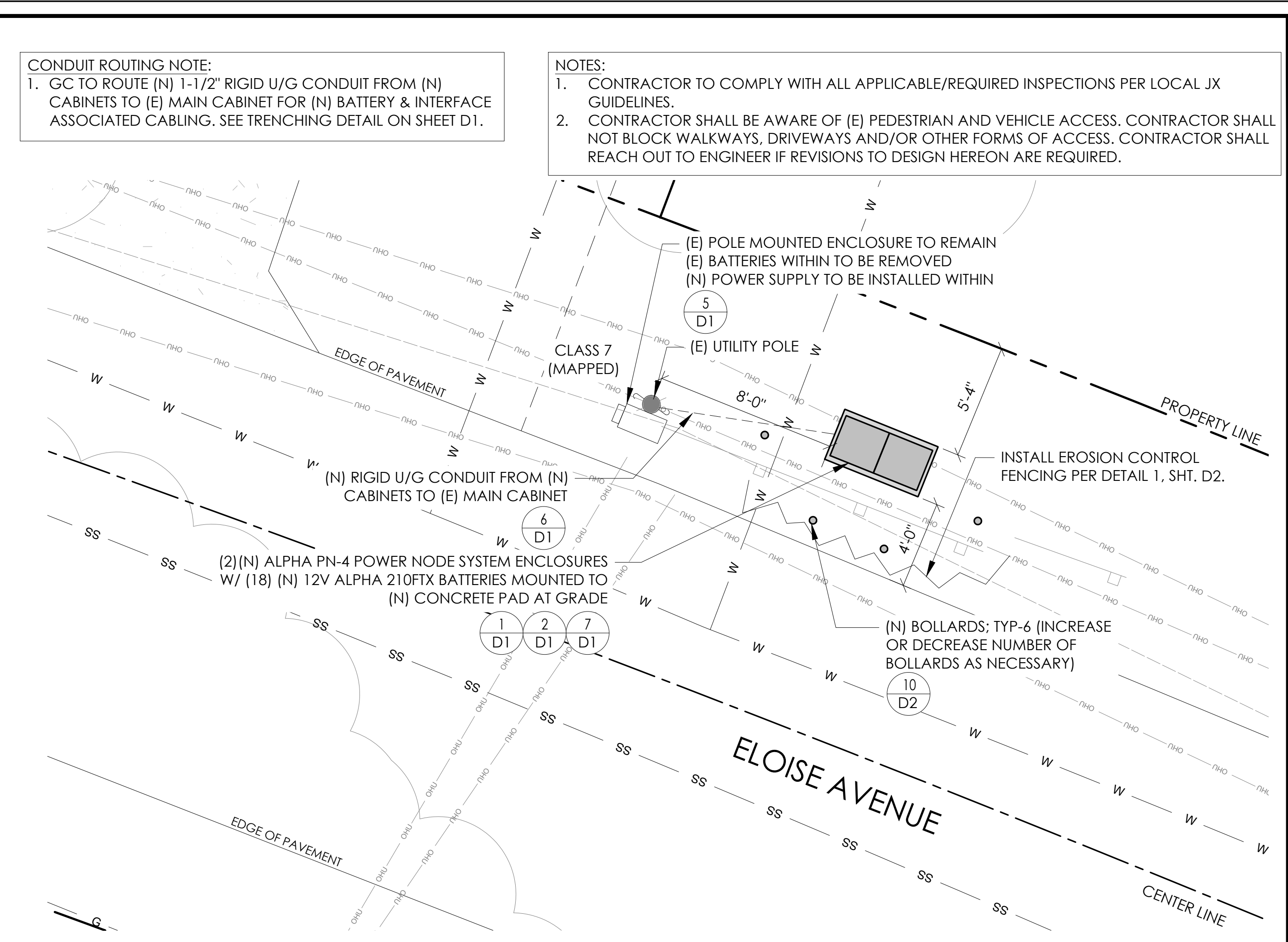
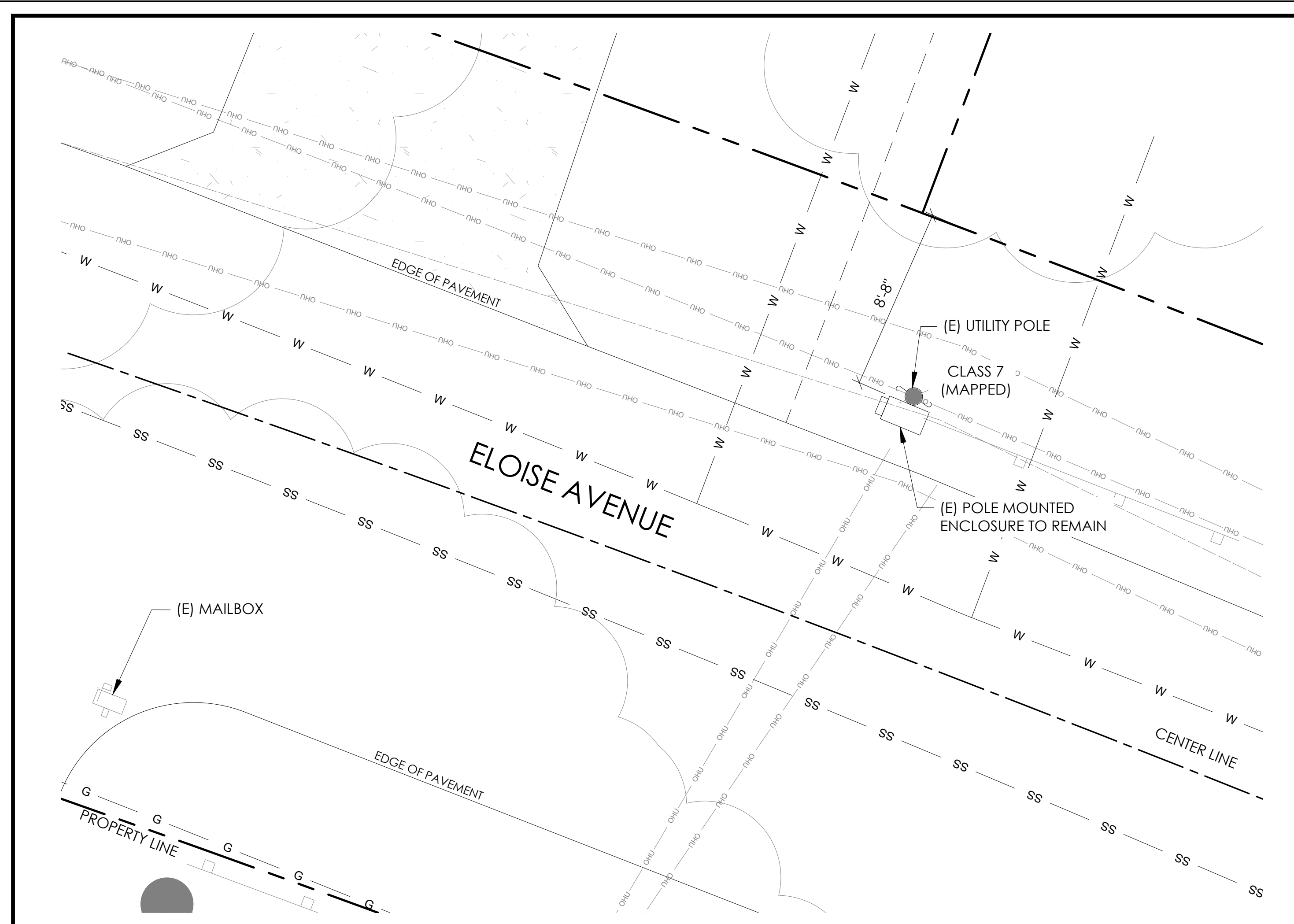
These standard symbols may be found in the drawing.

- CONCRETE
- PROPERTY LINE
- CENTER LINE
- OVERHEAD LINE
- FENCE HEADER
- ROOF WALL
- ROCK WALL
- PULLBOX ELECTRIC
- PULLBOX TELEPHONE
- PULLBOX COMMUNICATION
- WATER METER
- WATER VALVE
- POWER POLE
- ELEVATION GRADE
- GUY WIRE
- MAILBOX
- SIGN
- MANHOLE TELEPHONE
- MANHOLE SEWER
- RECTANGLE INLET
- FIRE HYDRANT
- SHRUB
- TRUNK
- CT CONIFEROUS TREE
- DT DECIDUOUS TREE
- TC TOP OF CURB
- FC FACE OF CURB
- TF TOP OF FENCE
- TW TOP OF WALL
- CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'





CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

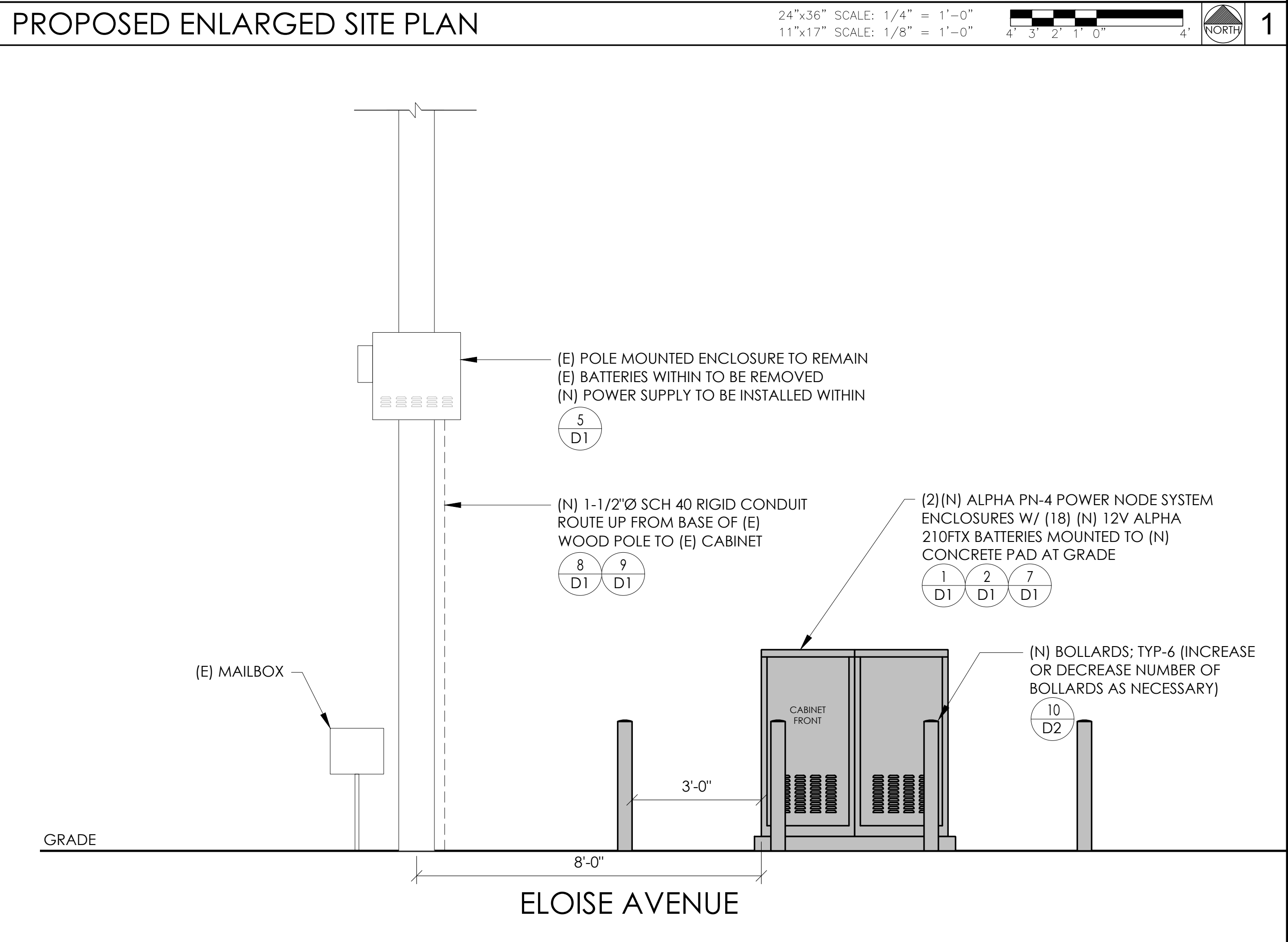
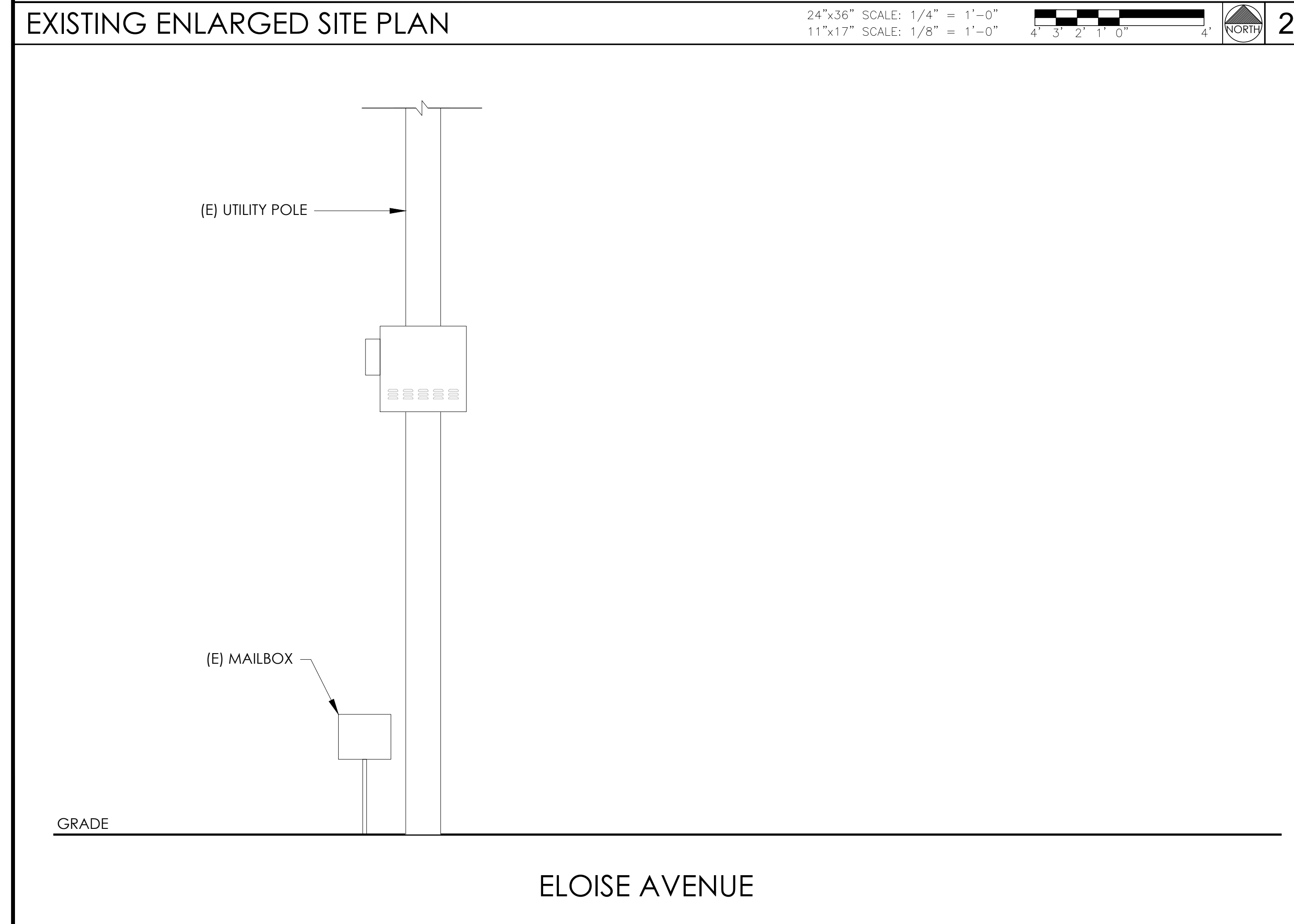
J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069695

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
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2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/12/23	SURVEY SHT / BOLLARD ADD	MZ



SEAL

REGISTERED PROFESSIONAL ENGINEER
CARLOS P. LOPEZ
NO. 66550
EXPIRES 3/31/25
STATE OF CALIFORNIA
10/20/23

SITE INFORMATION

SITE ID:
ST125C_A

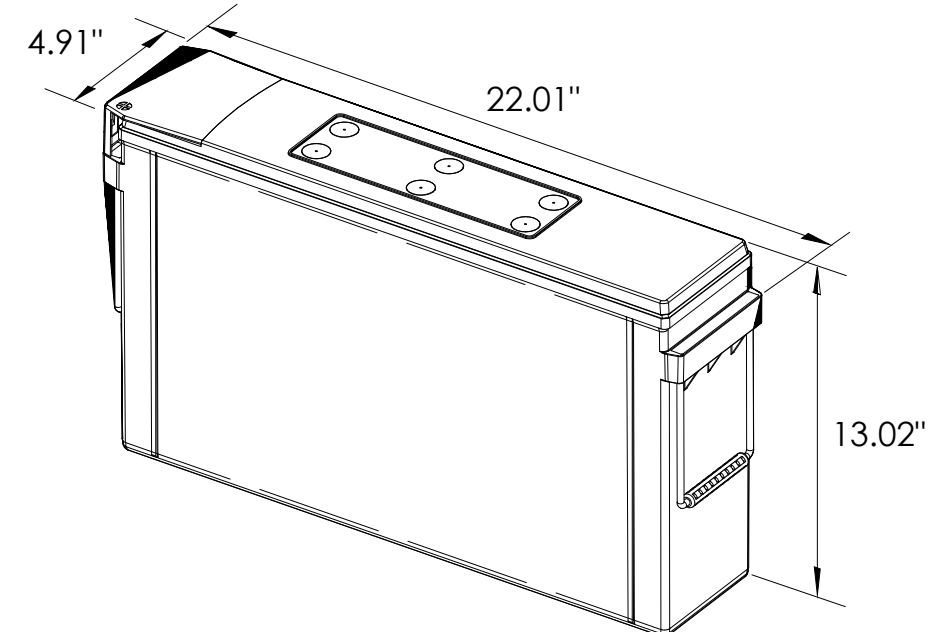
SITE ADDRESS:
705 ELOISE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA 210 FTX BATTERY UNIT

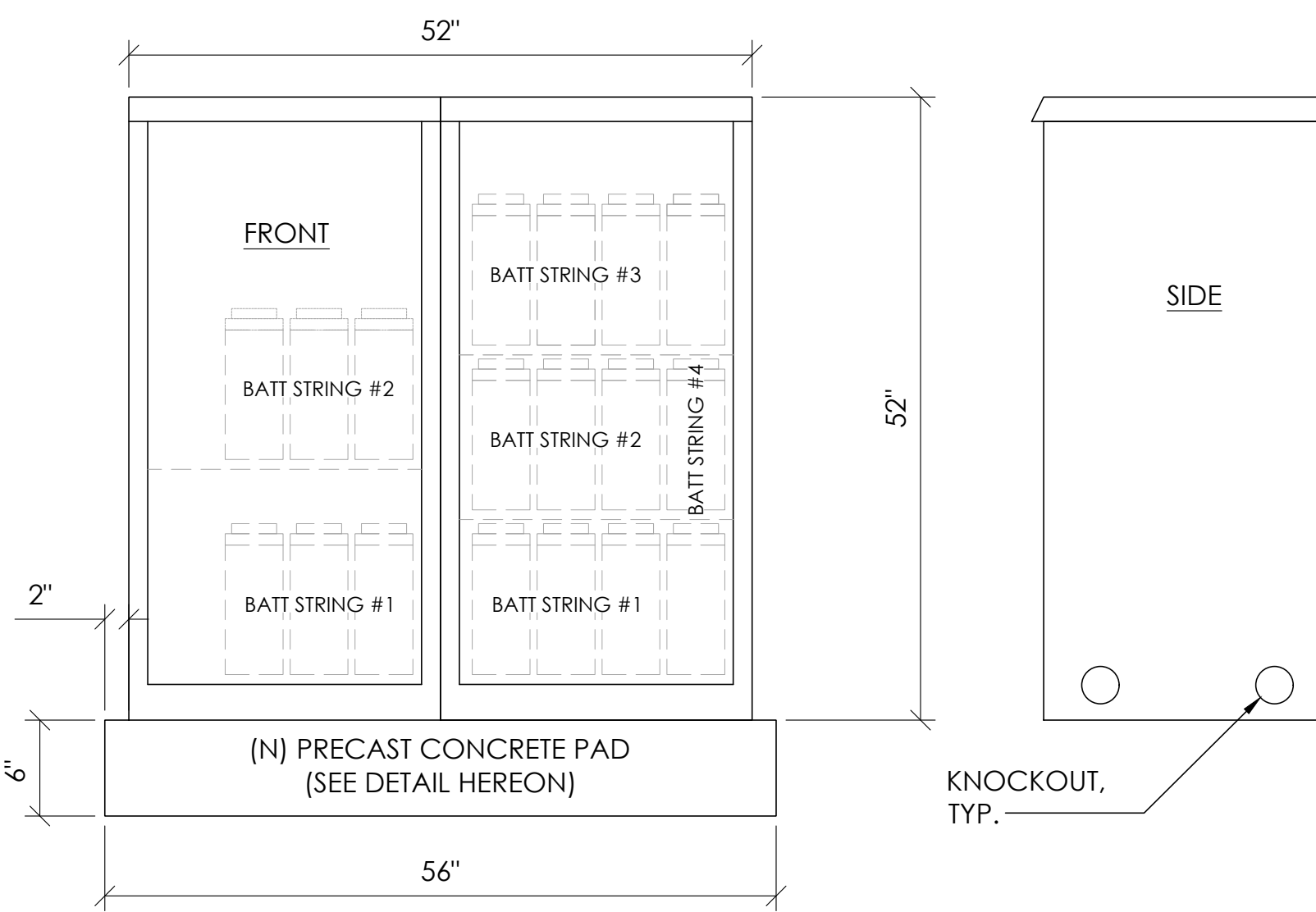


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FTX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

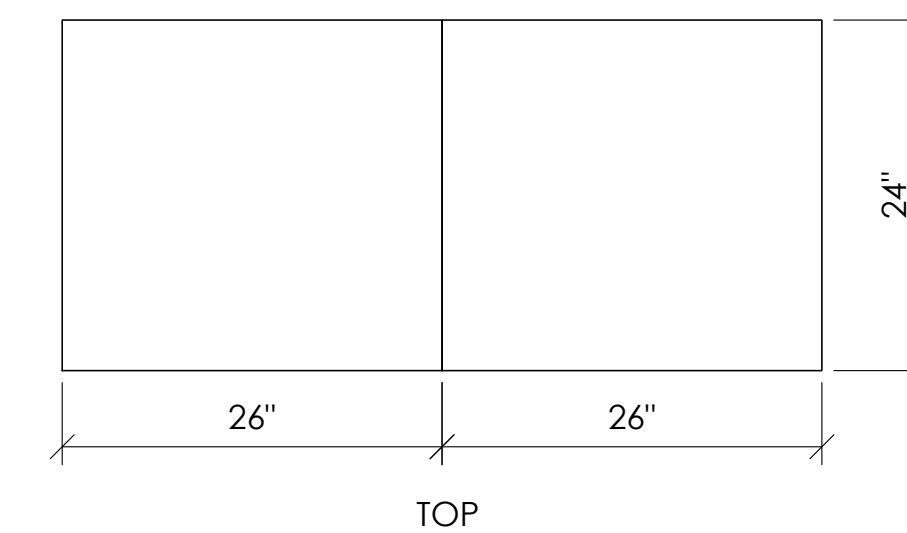


CABINET SPECIFICATIONS

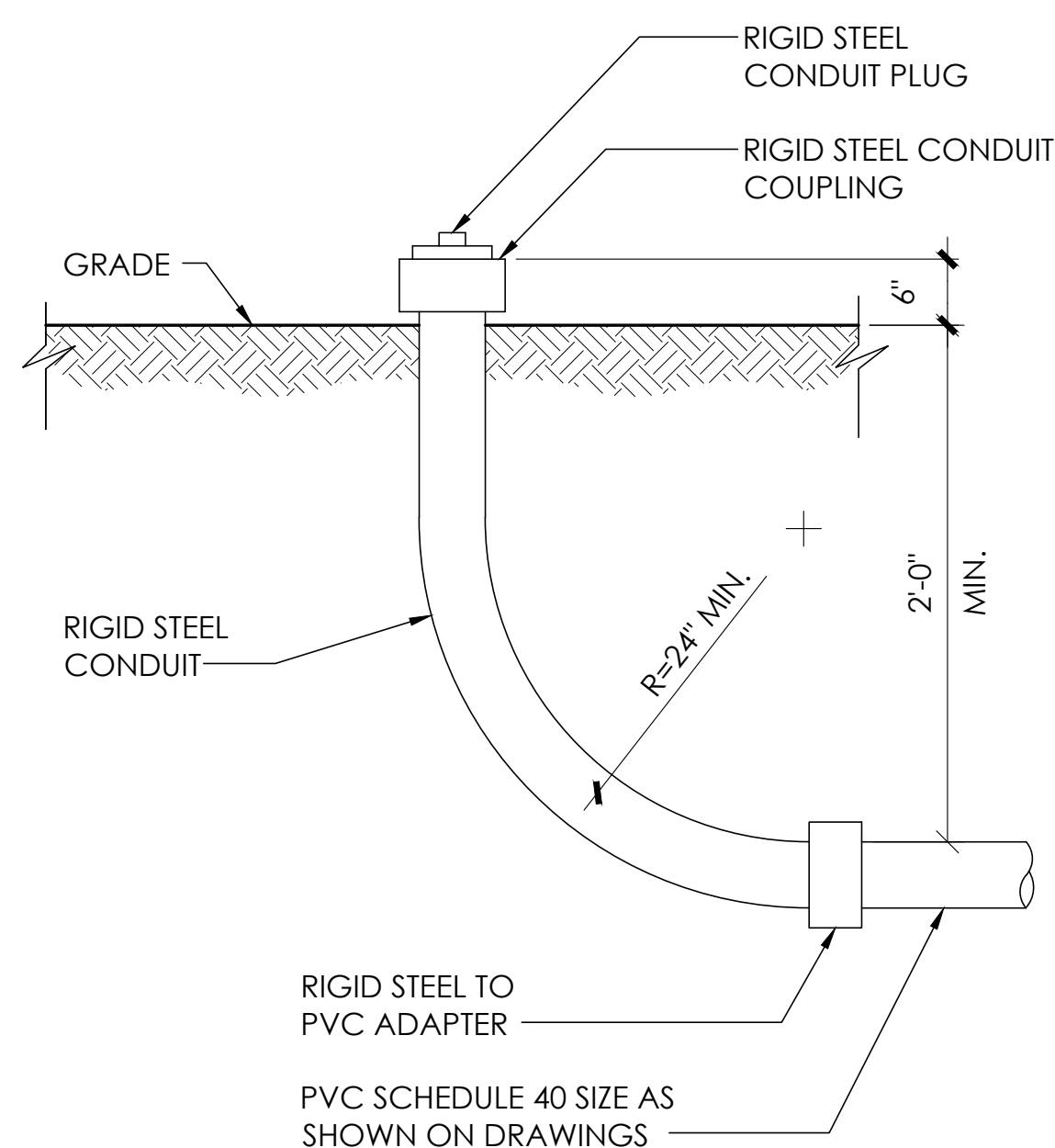
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



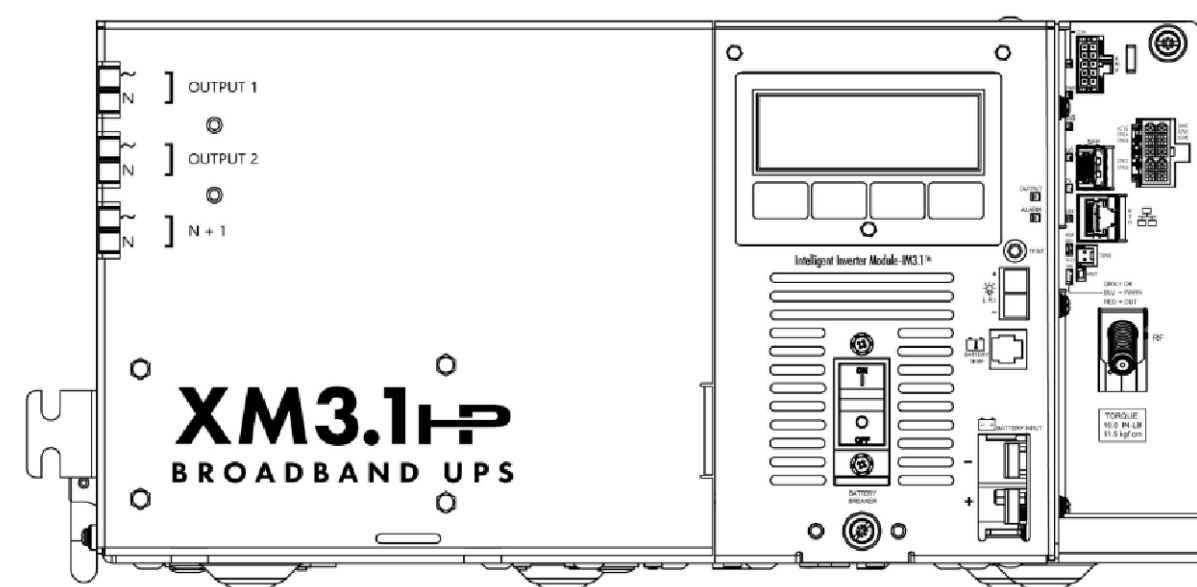
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

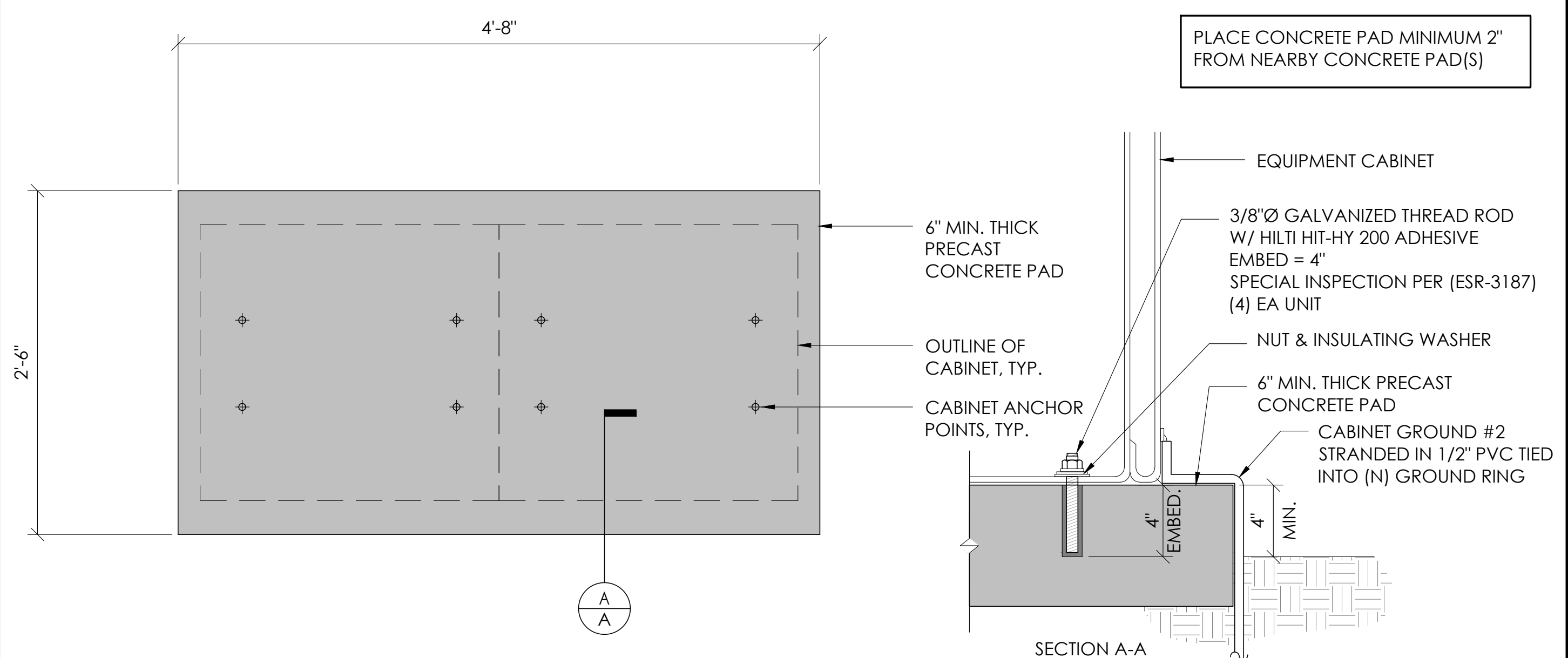
EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

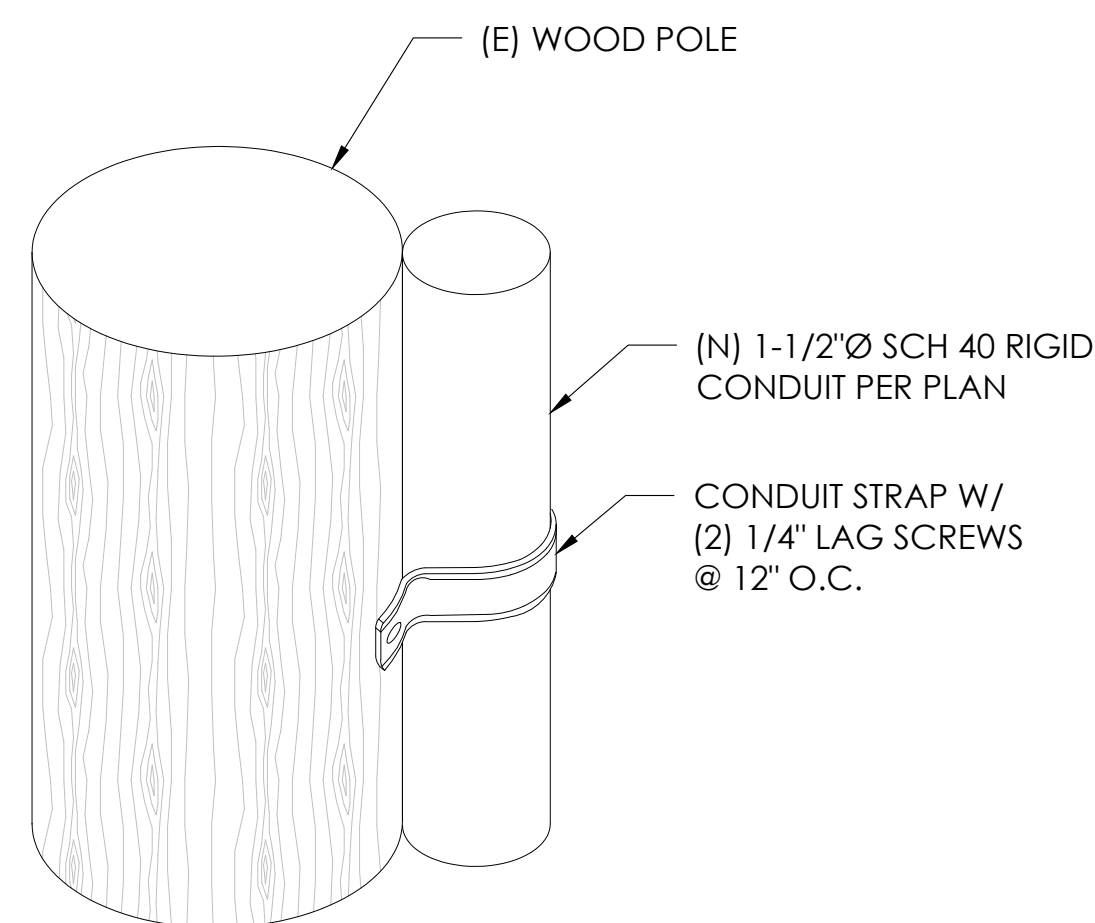


5 POWER SUPPLY DETAIL
N.T.S.



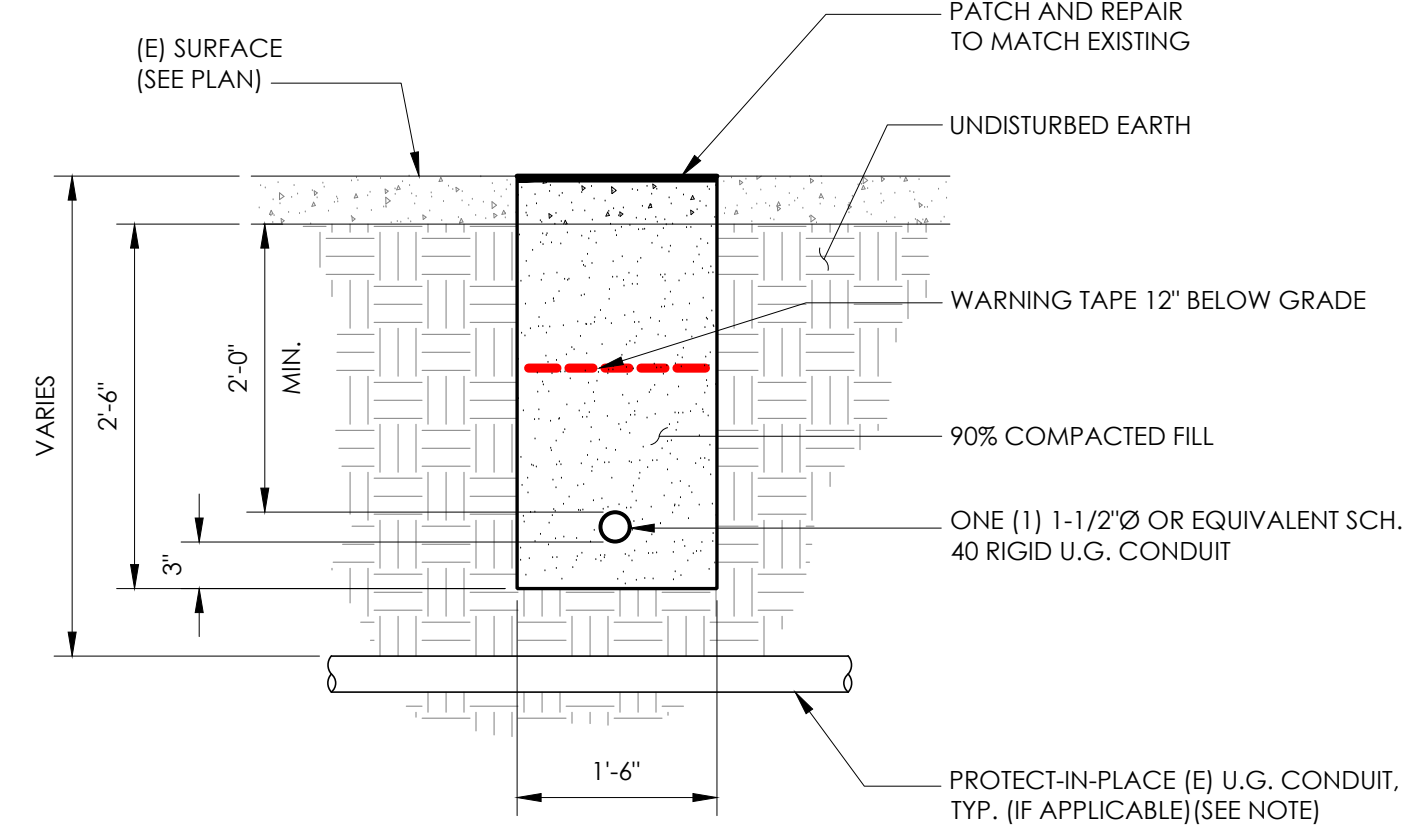
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. CONTRACTOR TO VERIFY RISER MOUNTING REQUIREMENTS W/ POLE OWNER AND/OR POWER COMPANY



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.

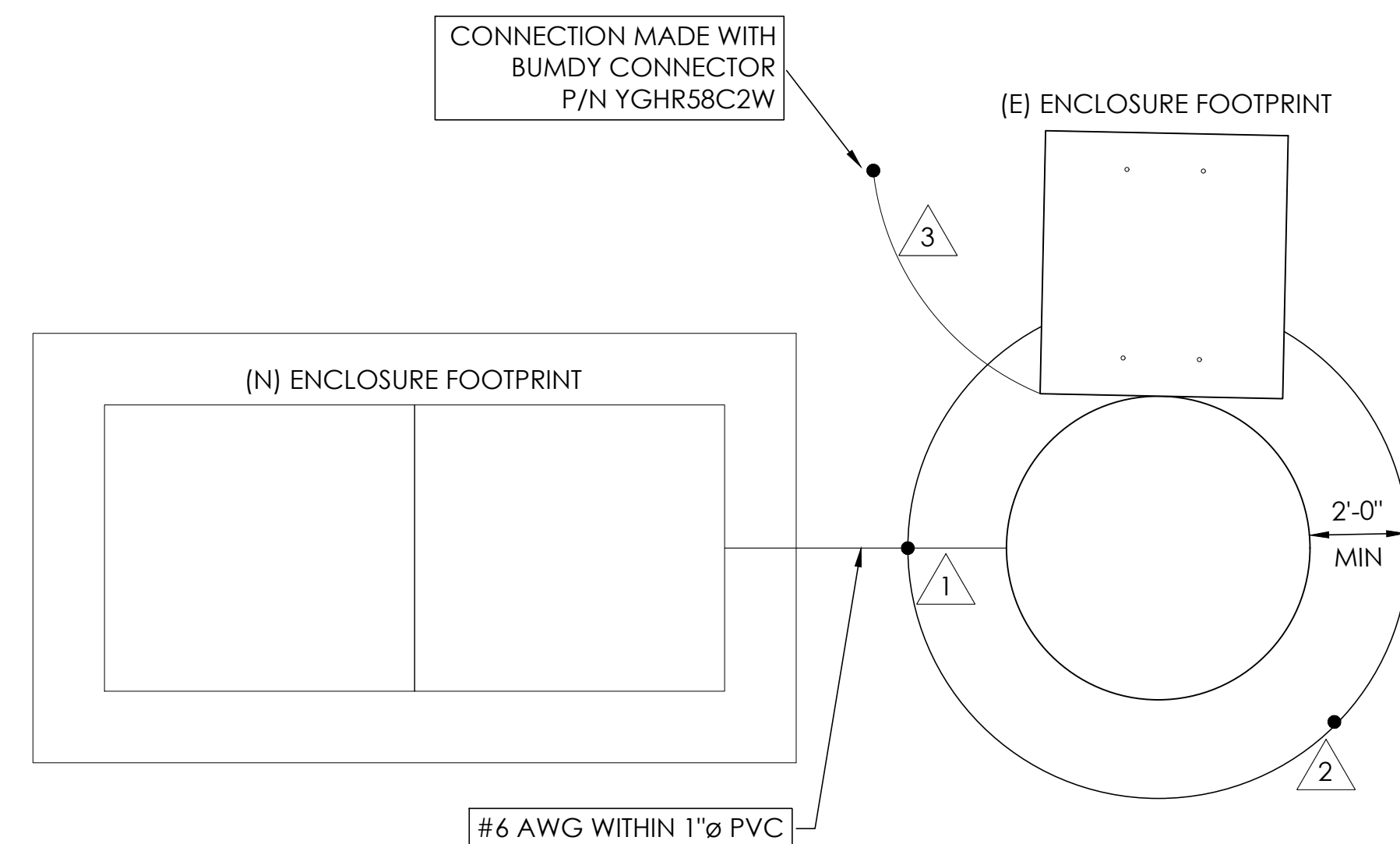


6 TRENCHING DETAIL
N.T.S.

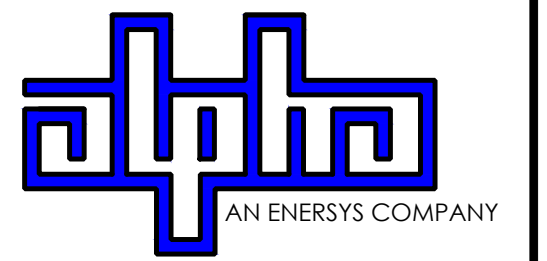
- LIGHTNING PROTECTION (OPTIONAL)
- 1/2x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
 - (E) #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
 - #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
 - WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.
- SERVICE GROUNDING (REQUIRED)
- #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND ON POLE CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



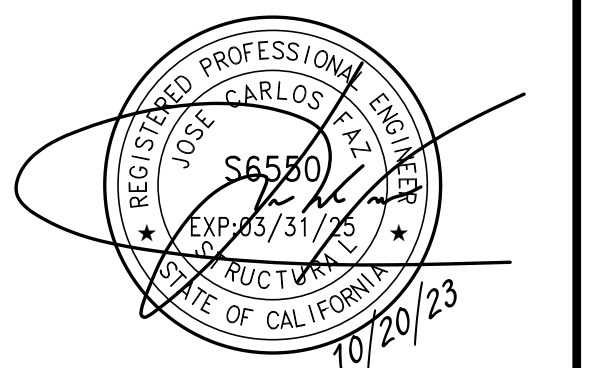
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069695

ISSUE STATUS

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SEAL



SITE INFORMATION

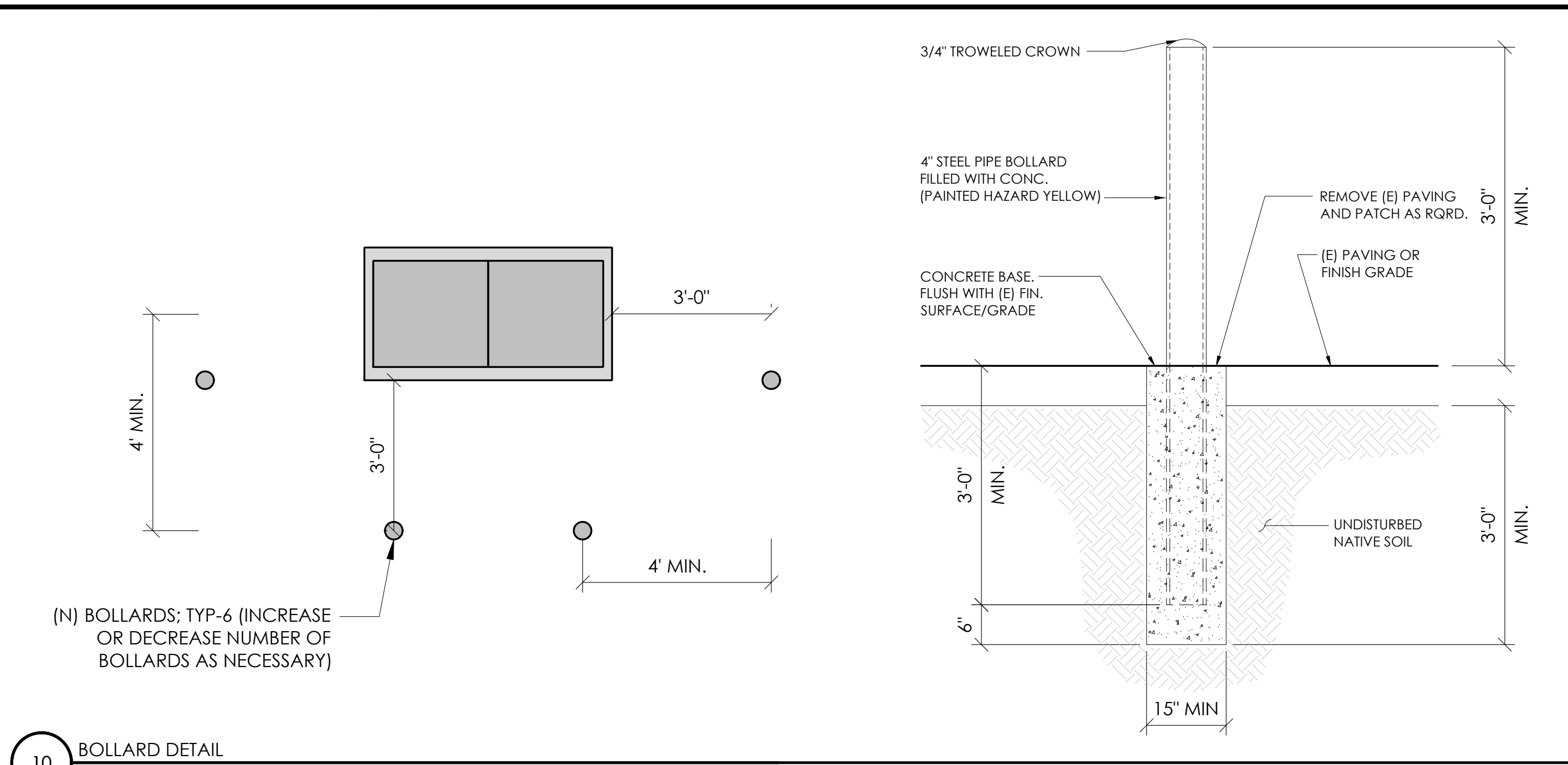
SITE ID:
ST125C_A

SITE ADDRESS:
705 ELOISE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

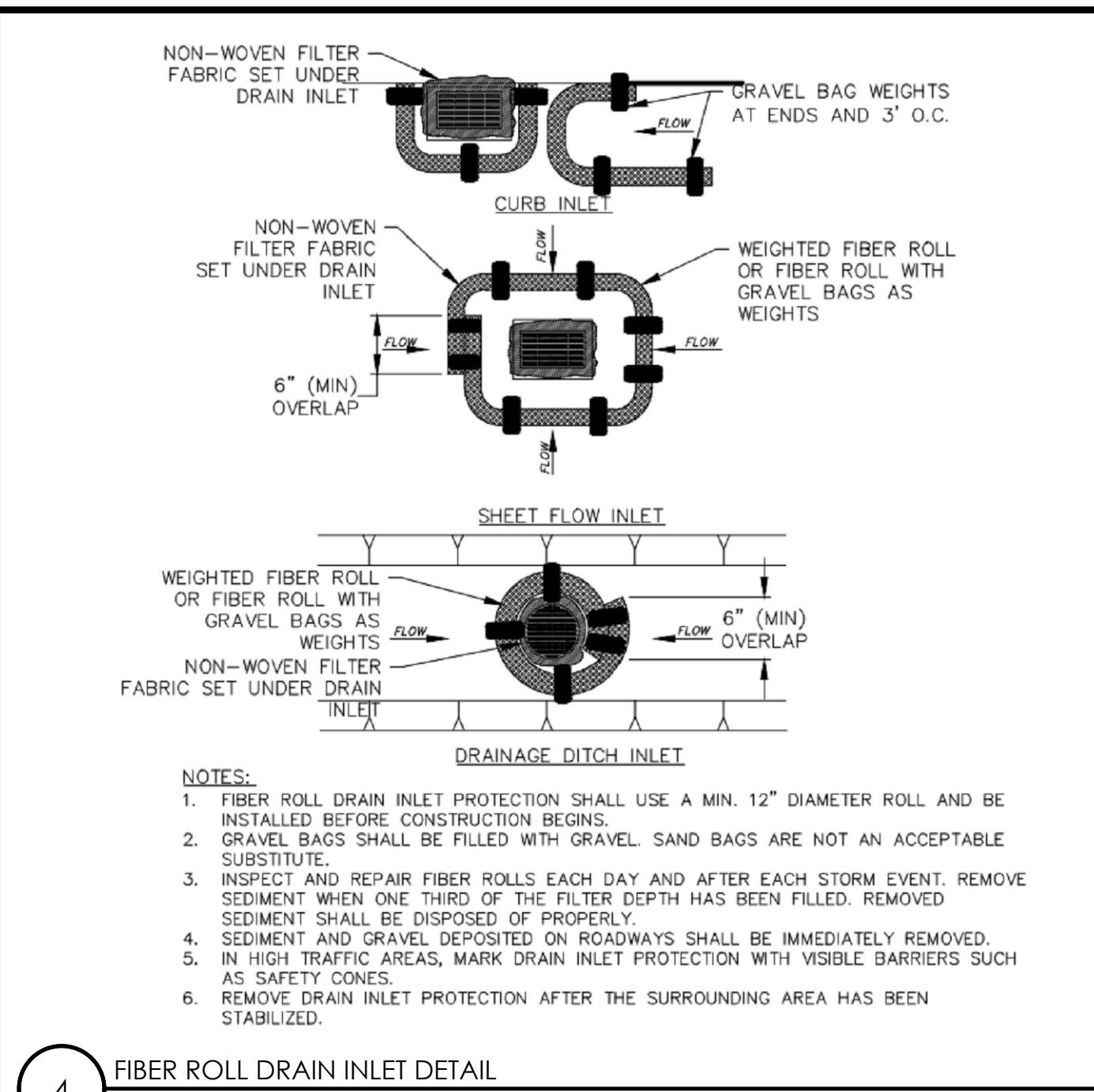
DETAILS

D1

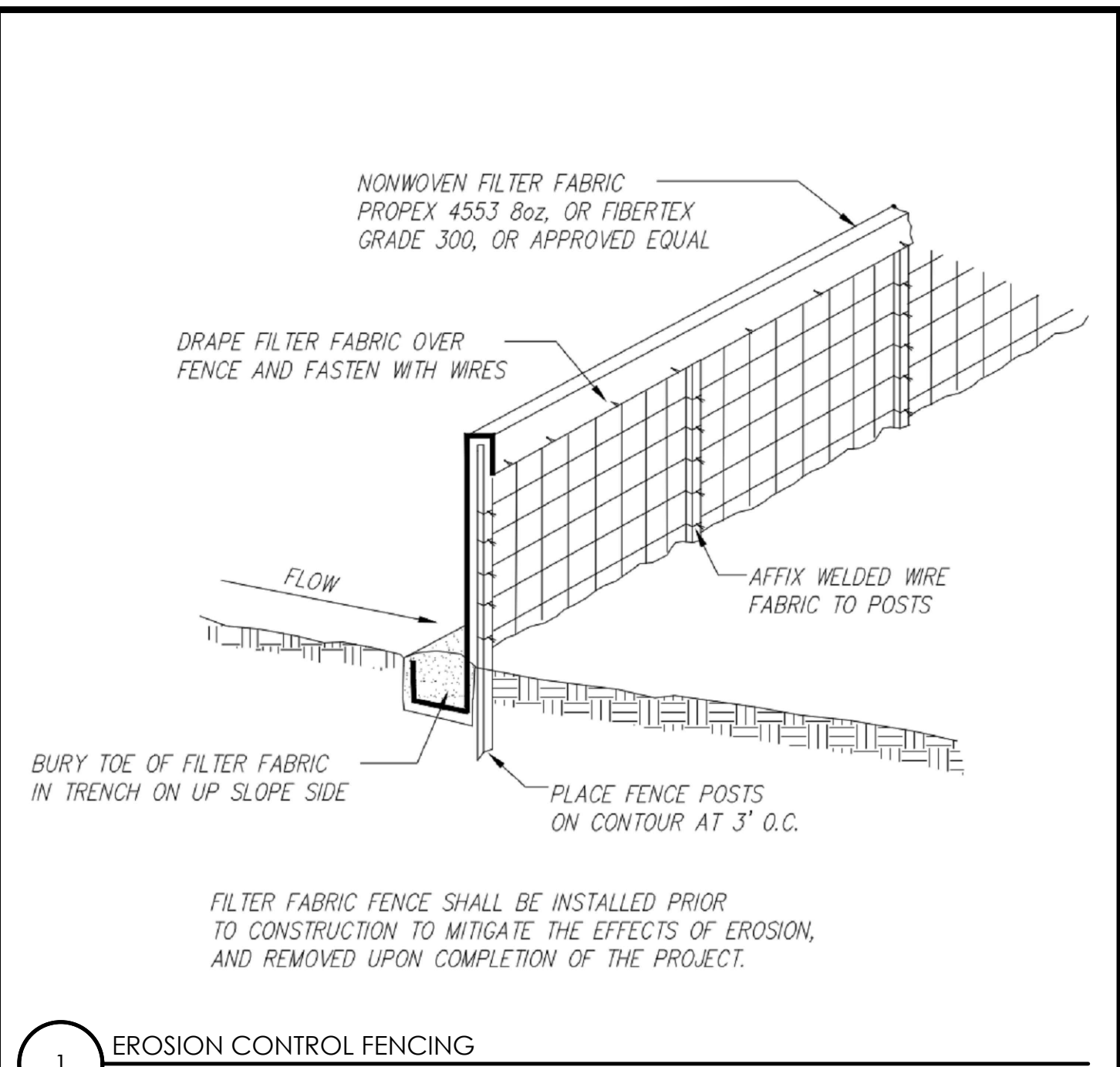


(N) BOLLARDS; TYP-6 (INCREASE OR DECREASE NUMBER OF BOLLARDS AS NECESSARY)

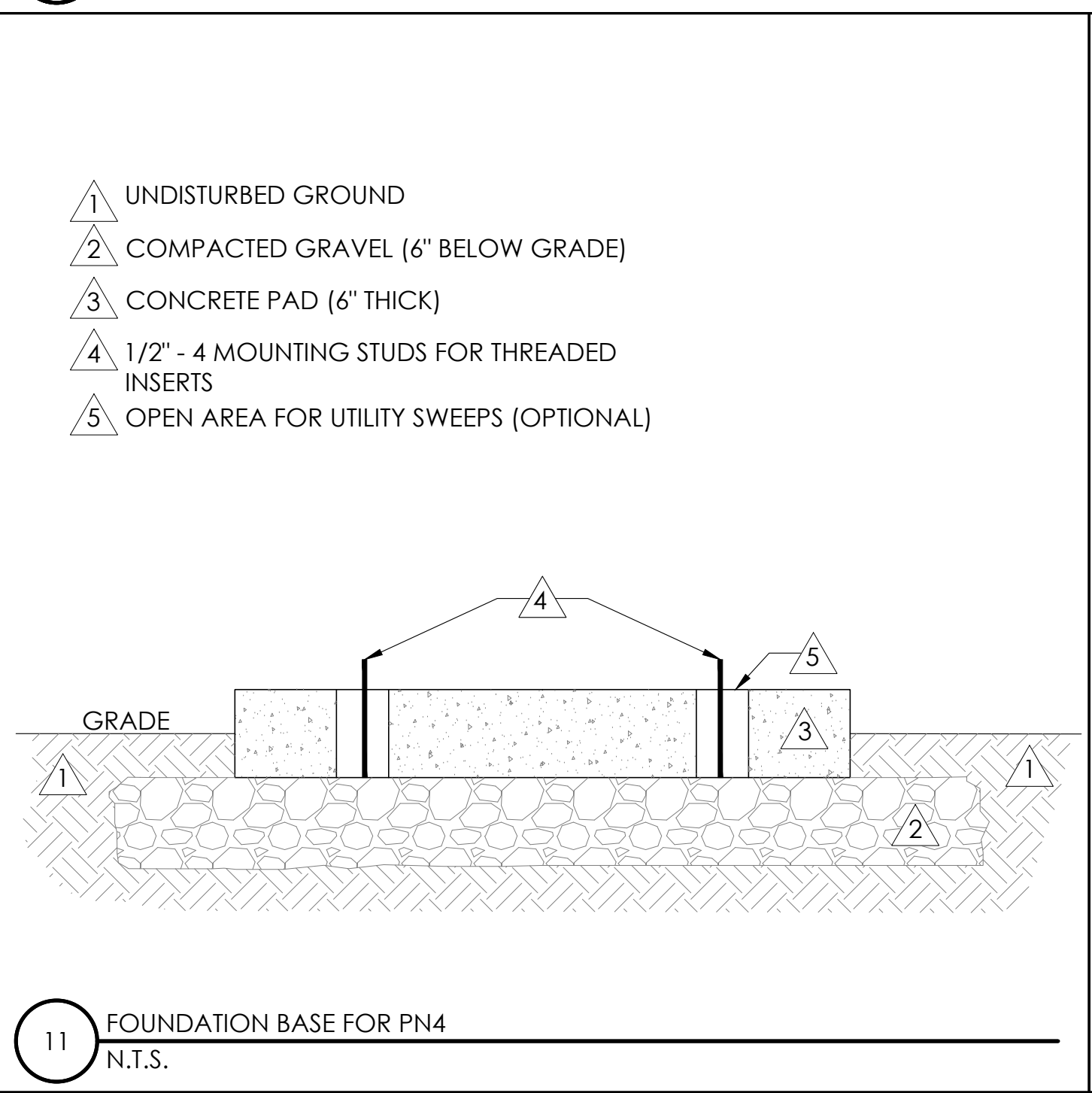
10 BOLLARD DETAIL
N.T.S.



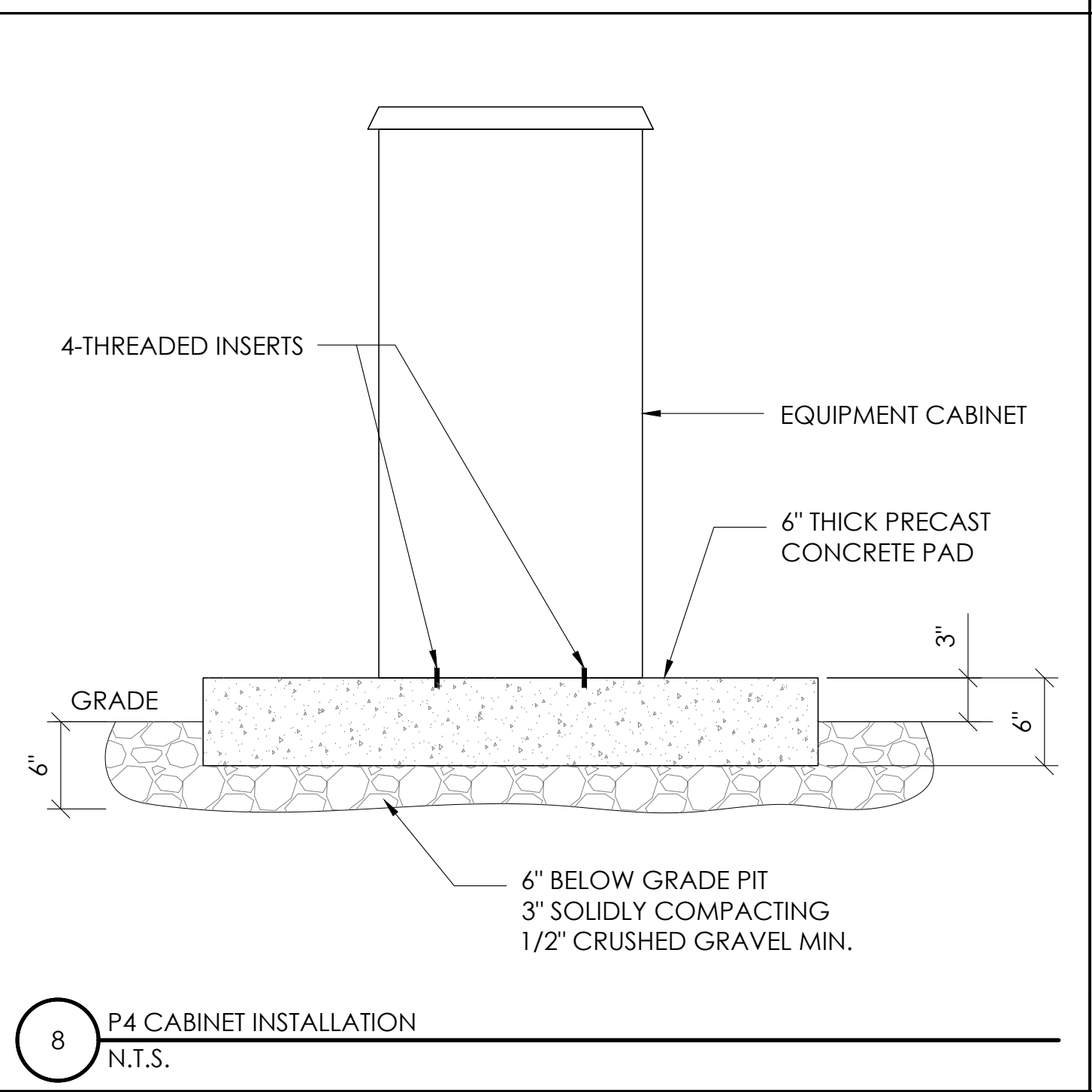
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



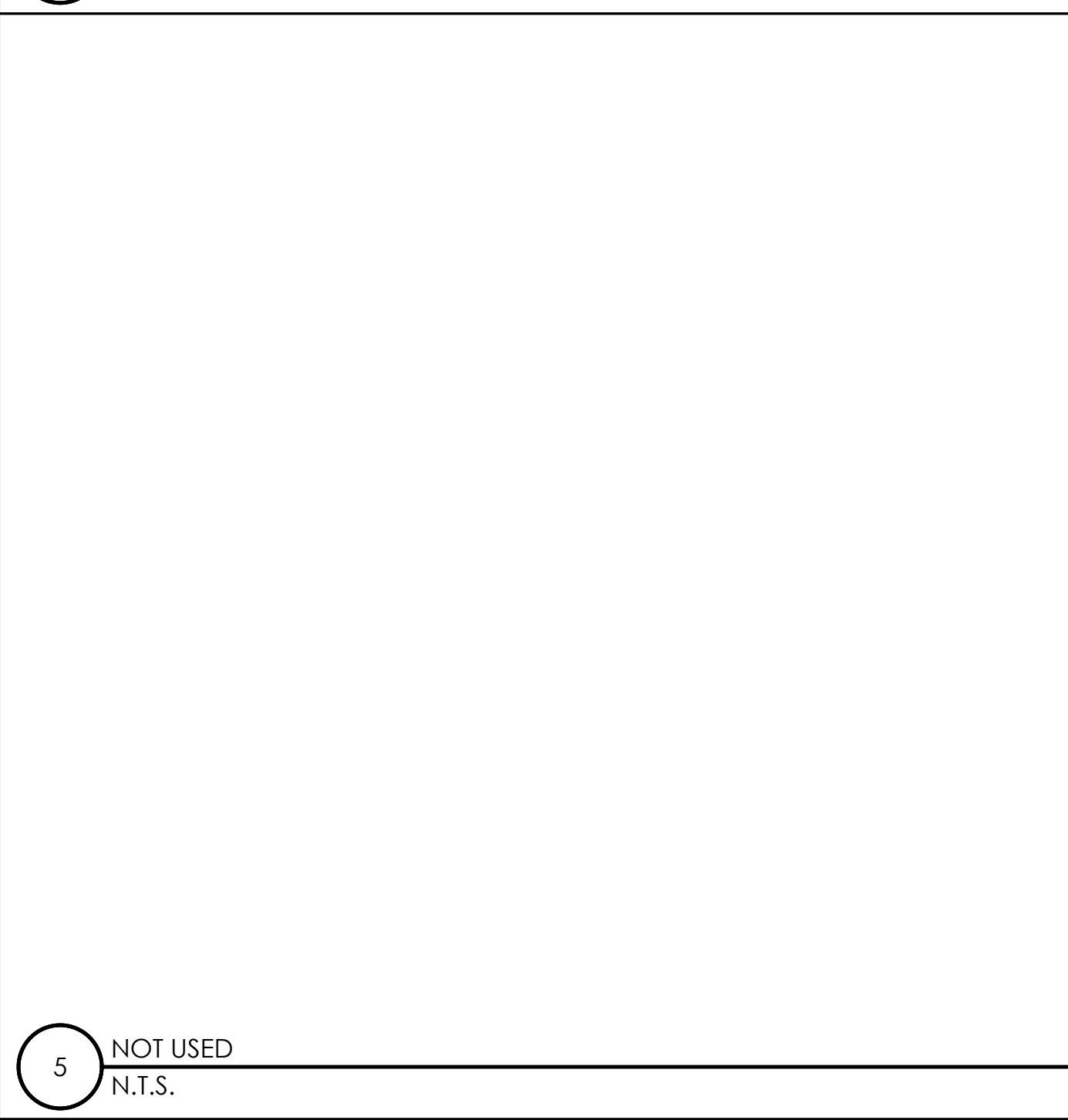
1 EROSION CONTROL FENCING
N.T.S.



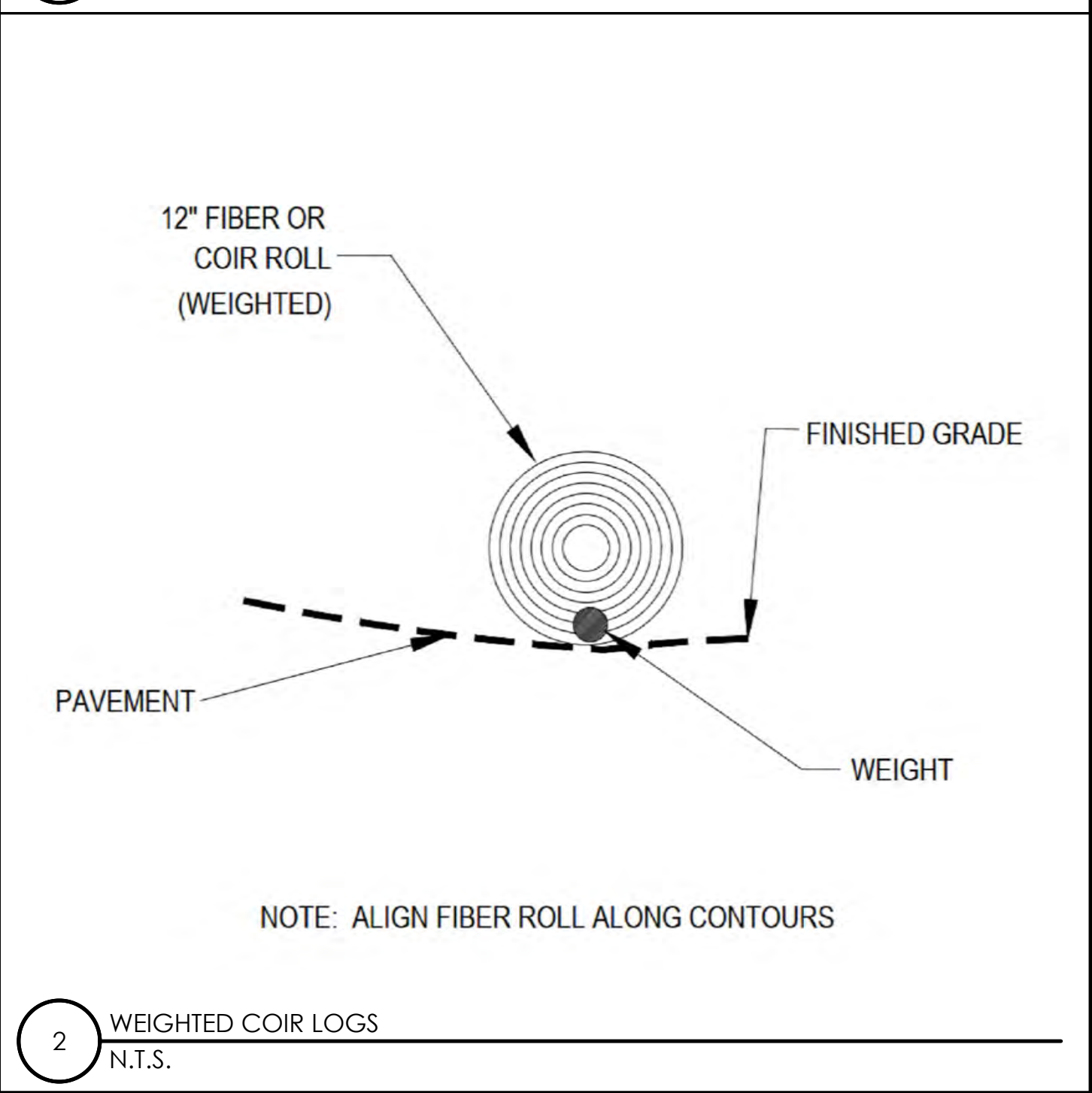
11 FOUNDATION BASE FOR PN4
N.T.S.



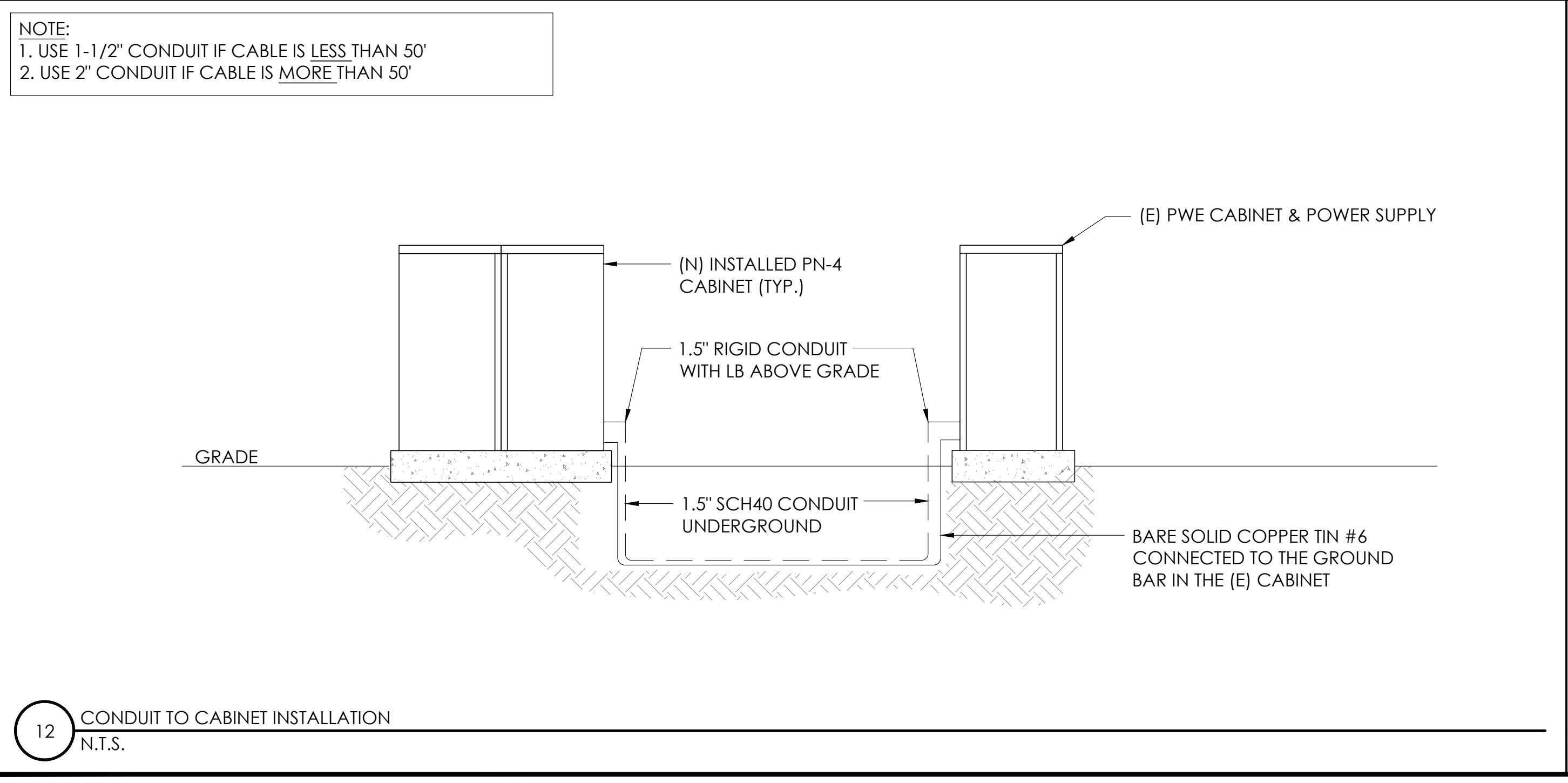
8 P4 CABINET INSTALLATION
N.T.S.



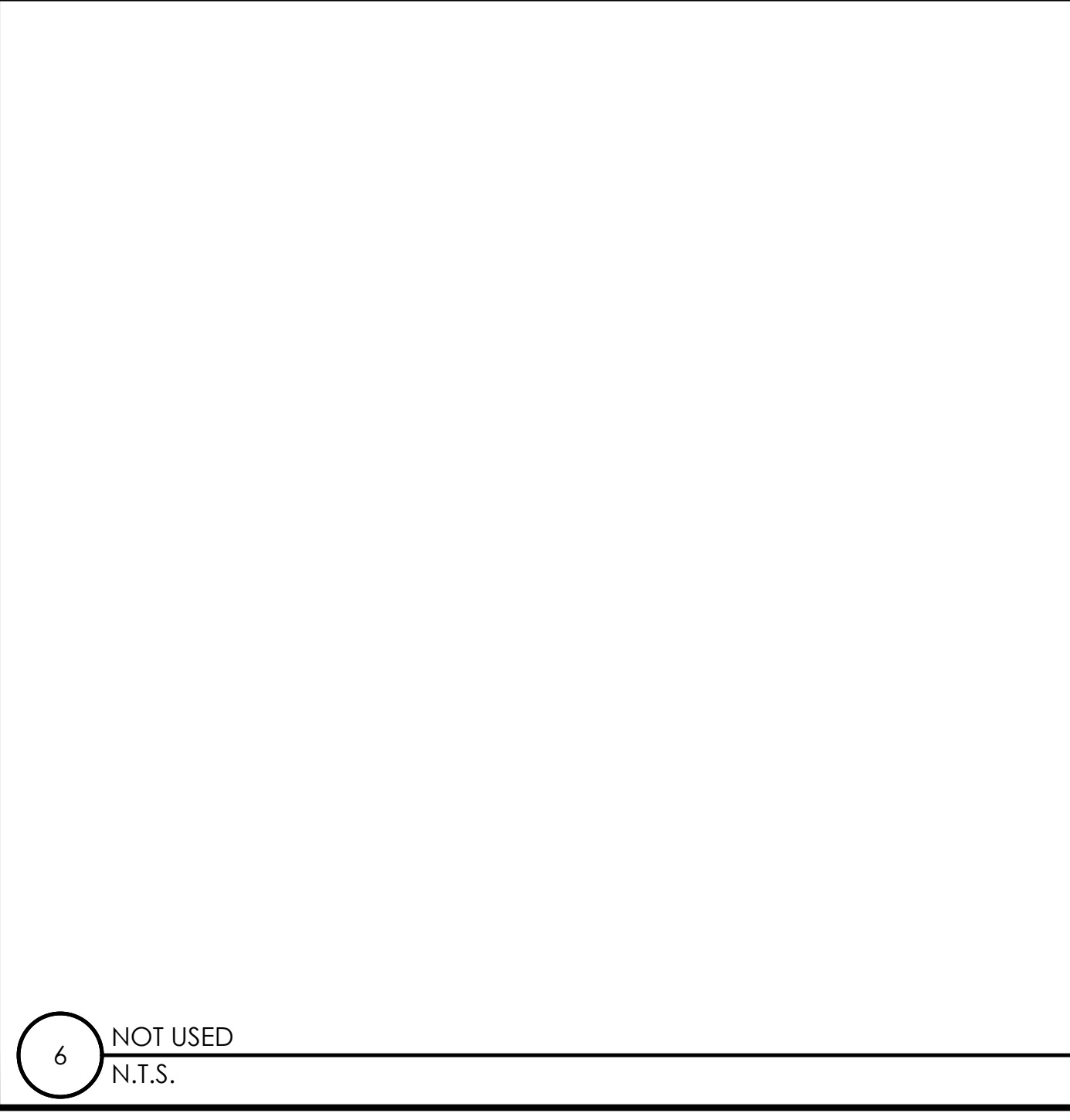
5 NOT USED
N.T.S.



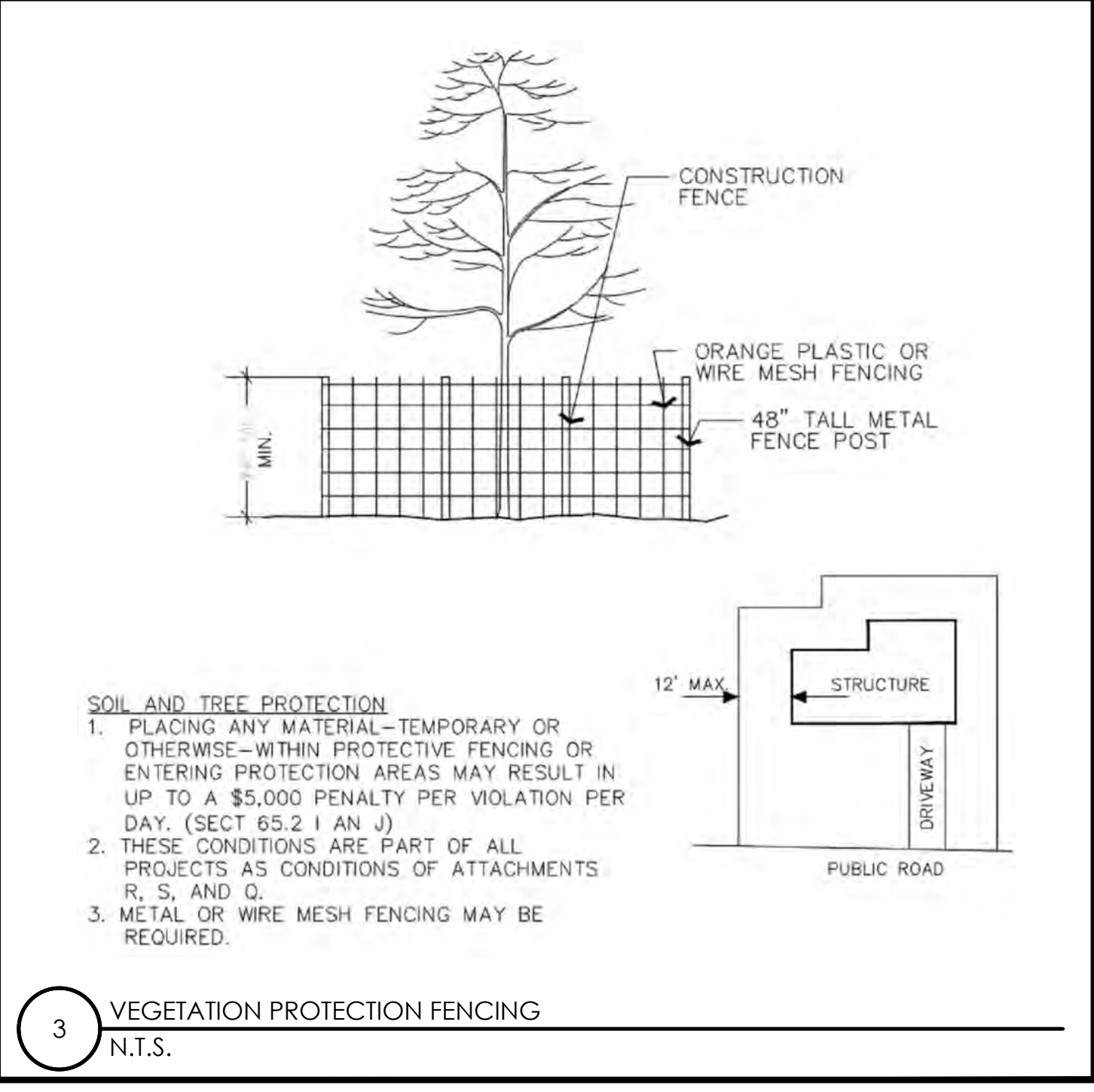
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
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J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069695

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REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/12/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL

REGISTERED PROFESSIONAL ENGINEER
CARLOS J. TORRES
S6550
EXPIRES 3/31/25
STRUCTURAL
STATE OF CALIFORNIA
10/20/23

SITE INFORMATION

SITE ID:
ST125C_A

SITE ADDRESS:
705 ELOISE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
DETAILS

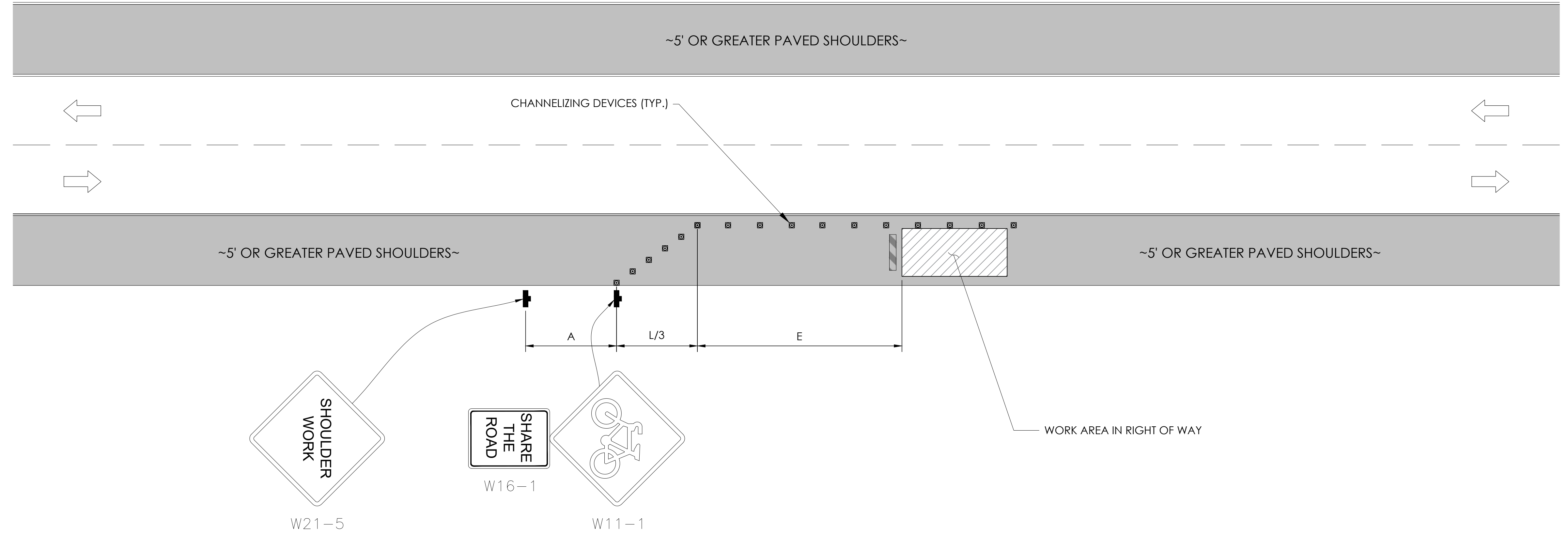
D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
 7:00AM - 3:30PM



GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B)		MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					(0%)	(-3%) (-6%)			
25	100	125	65	45	(155)	(160) (135)	25	50	12
30	250	180	90	60	(200)	(205) (215)	30	60	15
35	250	245	125	85	(250)	(260) (275)	35	70	17
40	250	320	160	110	(305)	(315) (335)	40	80	20
45	350	540	270	180	(360)	(380) (400)	45	90	22
50	350	600	300	200	(425)	(450) (475)	50	100	25
55	500	660	330	220	(495)	(520) (555)	50	100	25
60	500	720	360	240	(570)	(600) (640)	50	100	25
65	500	780	390	260	(645)	(685) (730)	50	100	25

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069695

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
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3	05/25/23	100% CD REV PER PCC#1	JG
4	10/12/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL

SITE INFORMATION

**SITE ID:
ST125C_A**

SITE ADDRESS:
705 ELOISE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST125D_A

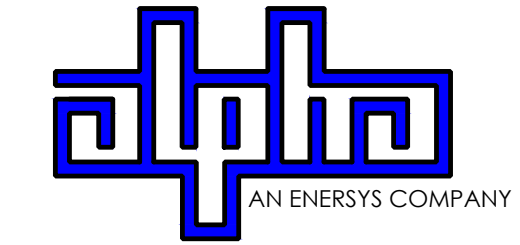
SITE ADDRESS:
732 TAHOE ISLAND,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	732 TAHOE ISLAND SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9246068, -120.01168
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	10
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	
CUT/FILL VOLUME:	0.7 C.Y.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3747 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069696

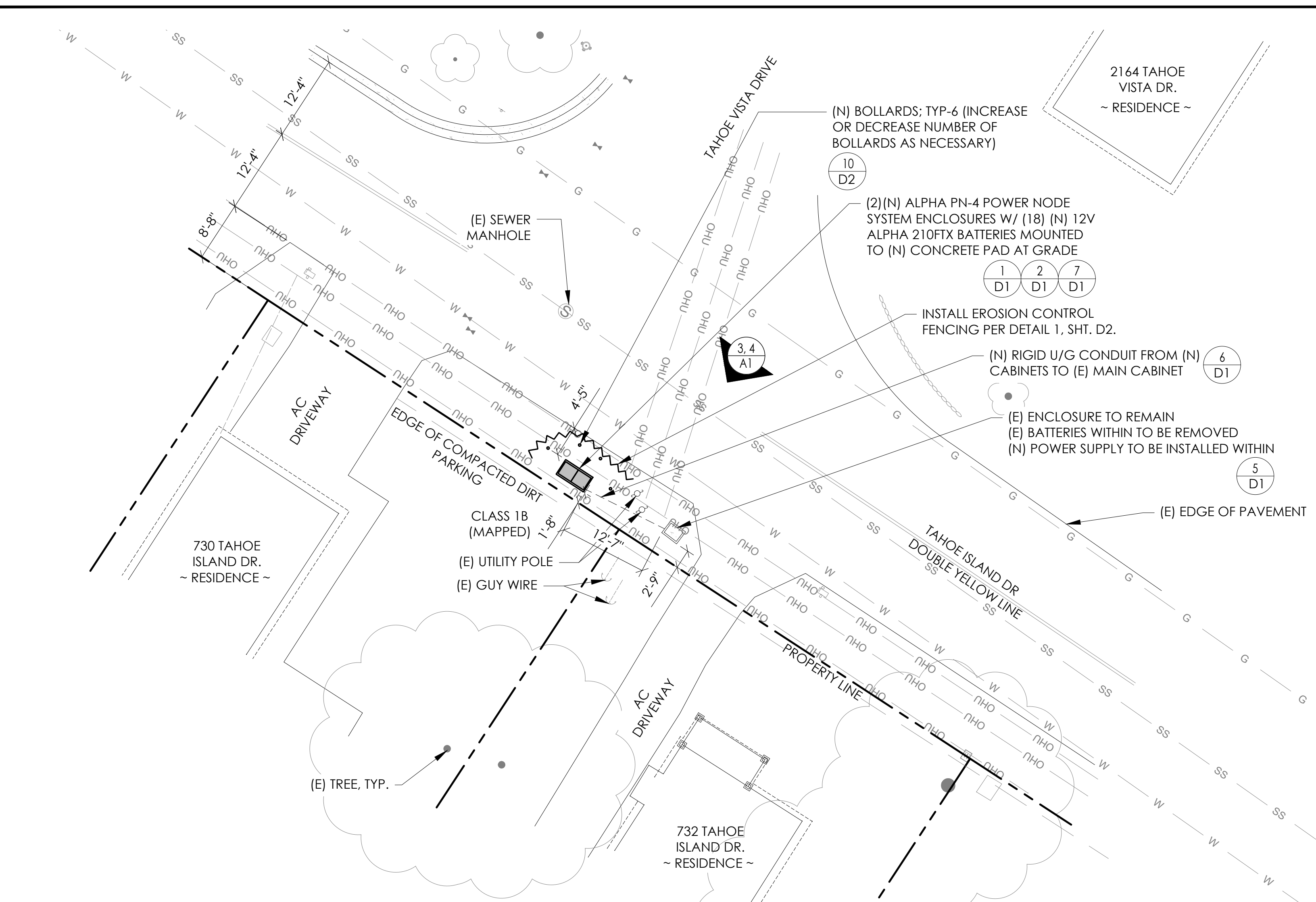
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3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	09/26/23	SURVEY SHEET ADD	MZ

2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



NOTES:

1. STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.
2. NO ADDED COVERAGE RESULTING FROM THIS PROJECT.

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL
LS1	SITE SURVEY

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5p.com 23 MAULCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE, 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.

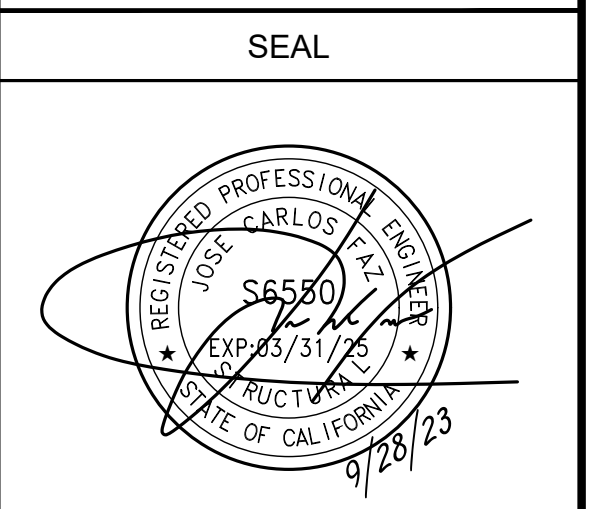
PART 1 - CALIFORNIA ADMINISTRATIVE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 INTERNATIONAL MECHANICAL CODE
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 INTERNATIONAL PLUMBING CODE
PART 6 - CALIFORNIA ENERGY CODE
PART 7 - VACANT

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
2. ANSUTIA-222 (REV H)
3. 2018 NFPA 101, LIFE SAFETY CODE
4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



SITE INFORMATION

SITE ID:
ST125D_A

SITE ADDRESS:
732 TAHOE ISLAND,
SOUTH LAKE TAHOE,
CA 96150

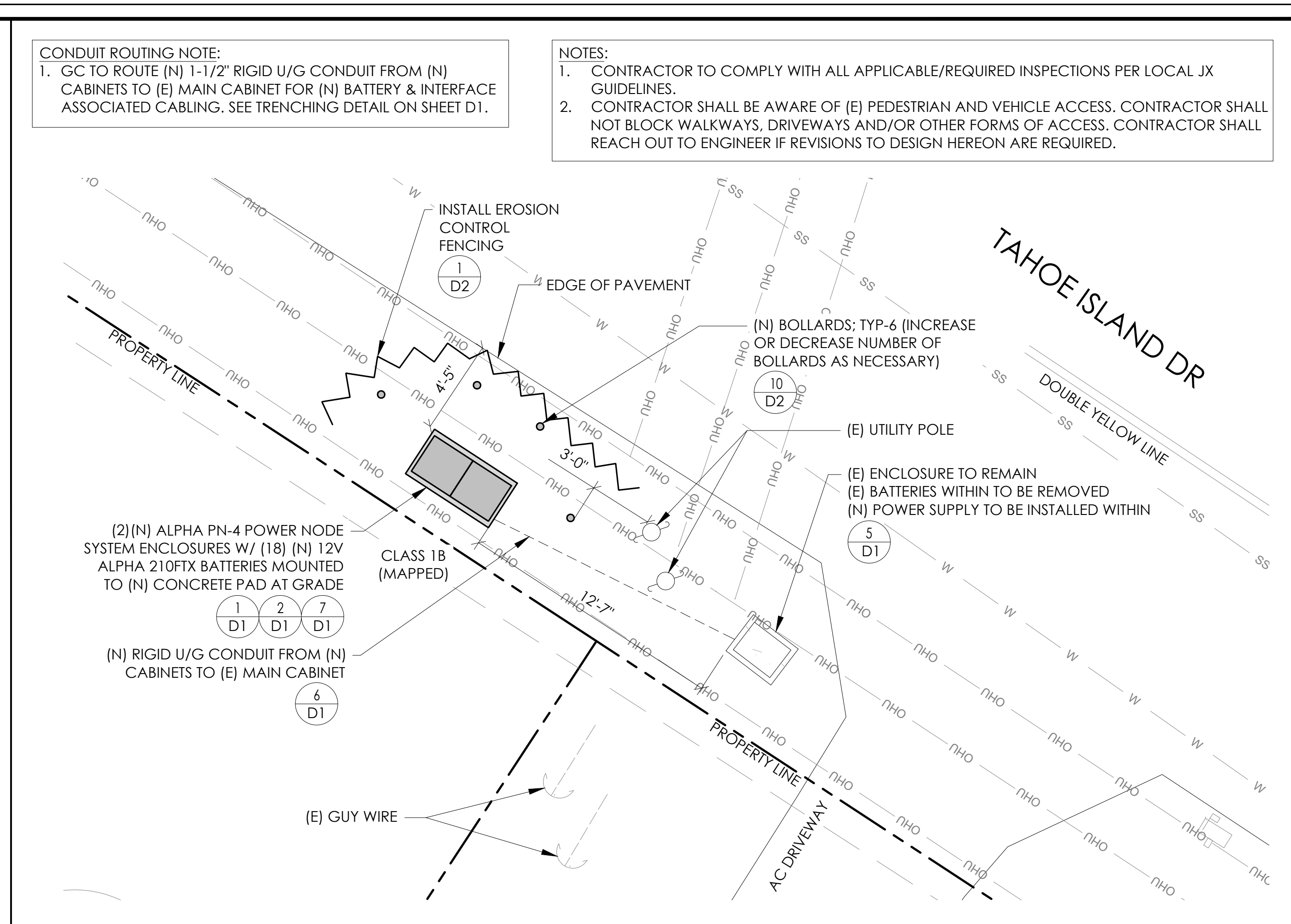
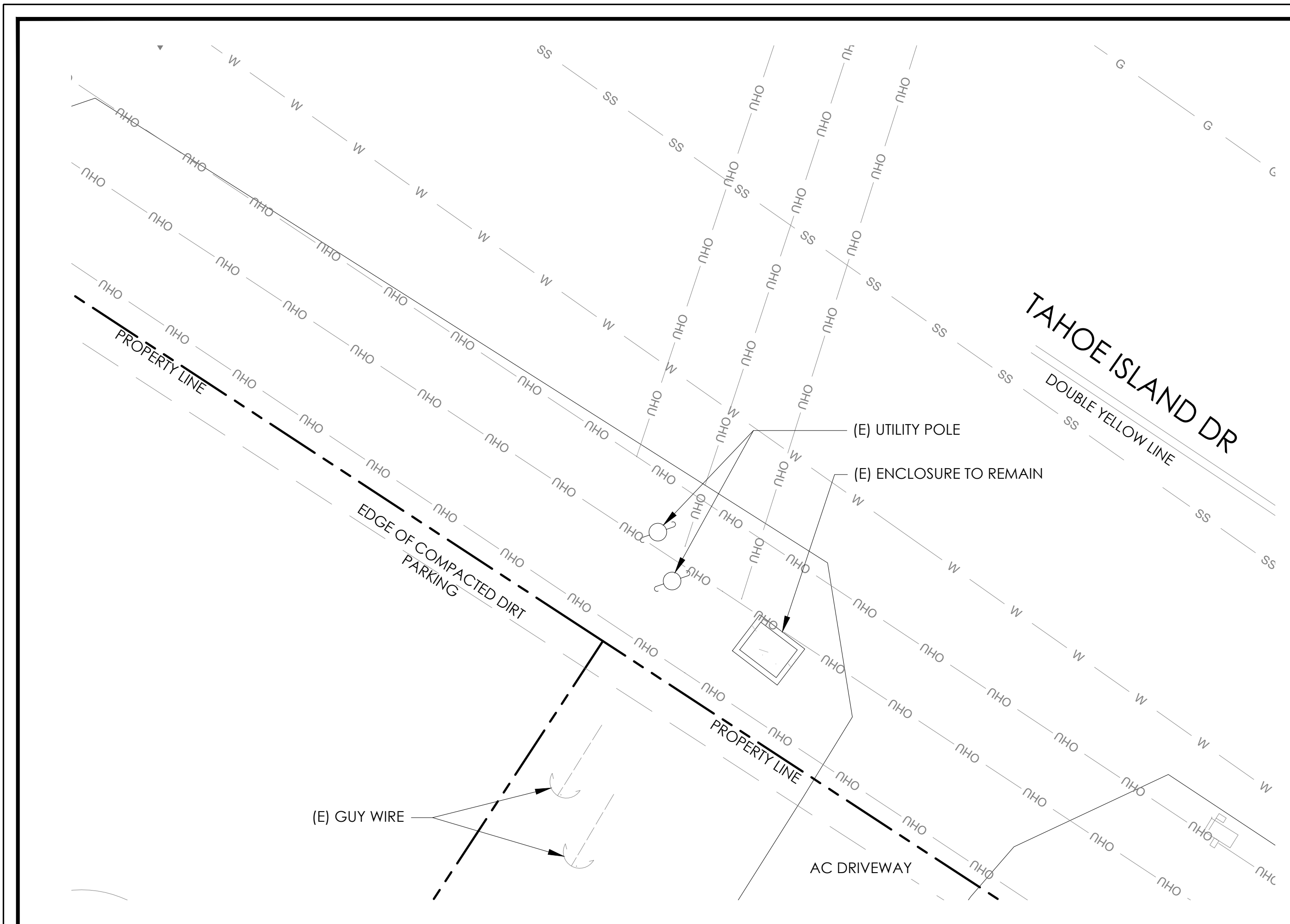
SHEET TITLE:
TITLE SHEET

T1

SITE PLAN

24"x36" SCALE: 3/32" = 1'-0"
11"x17" SCALE: 3/64" = 1'-0"

8' 4' 0'



CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

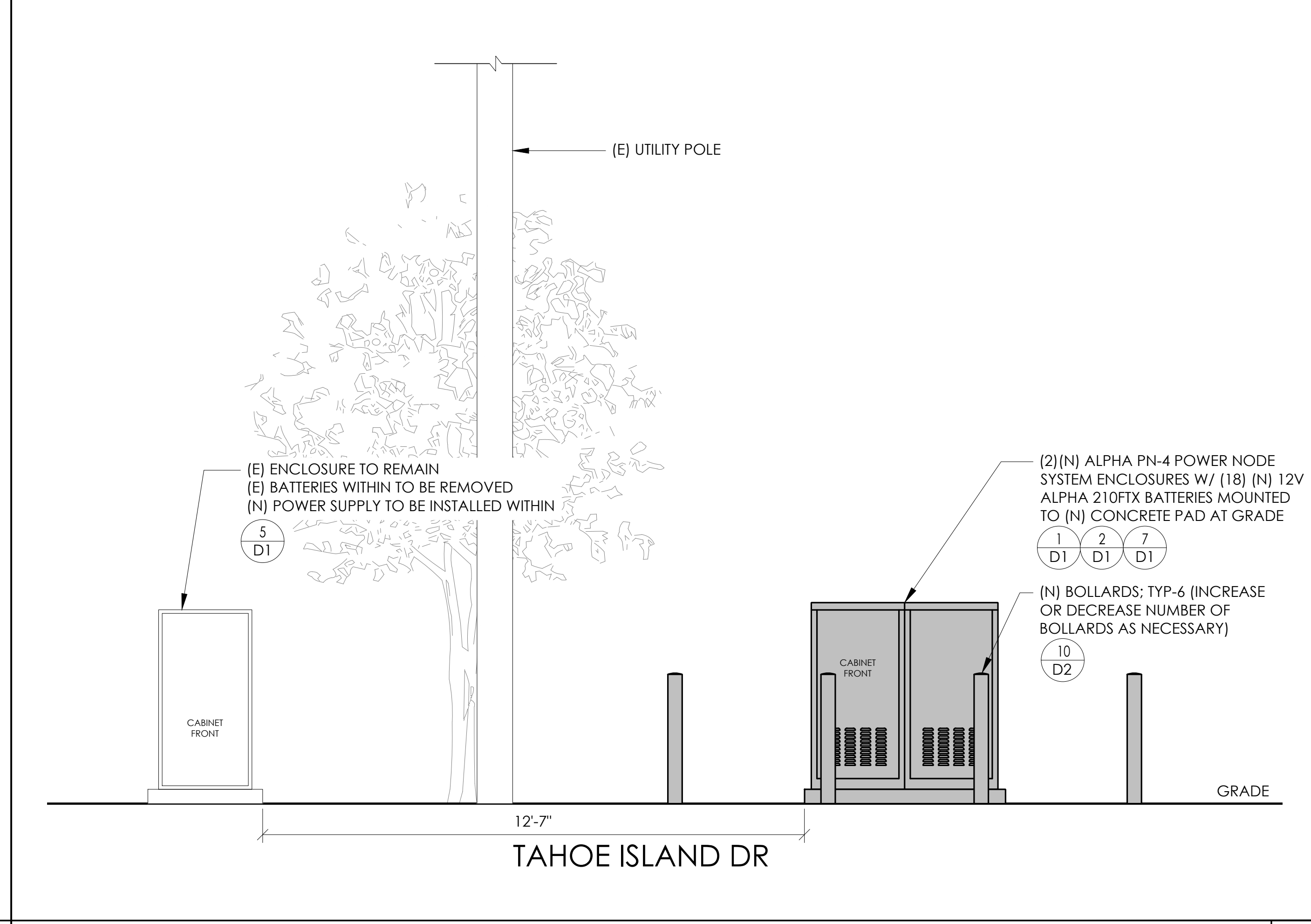
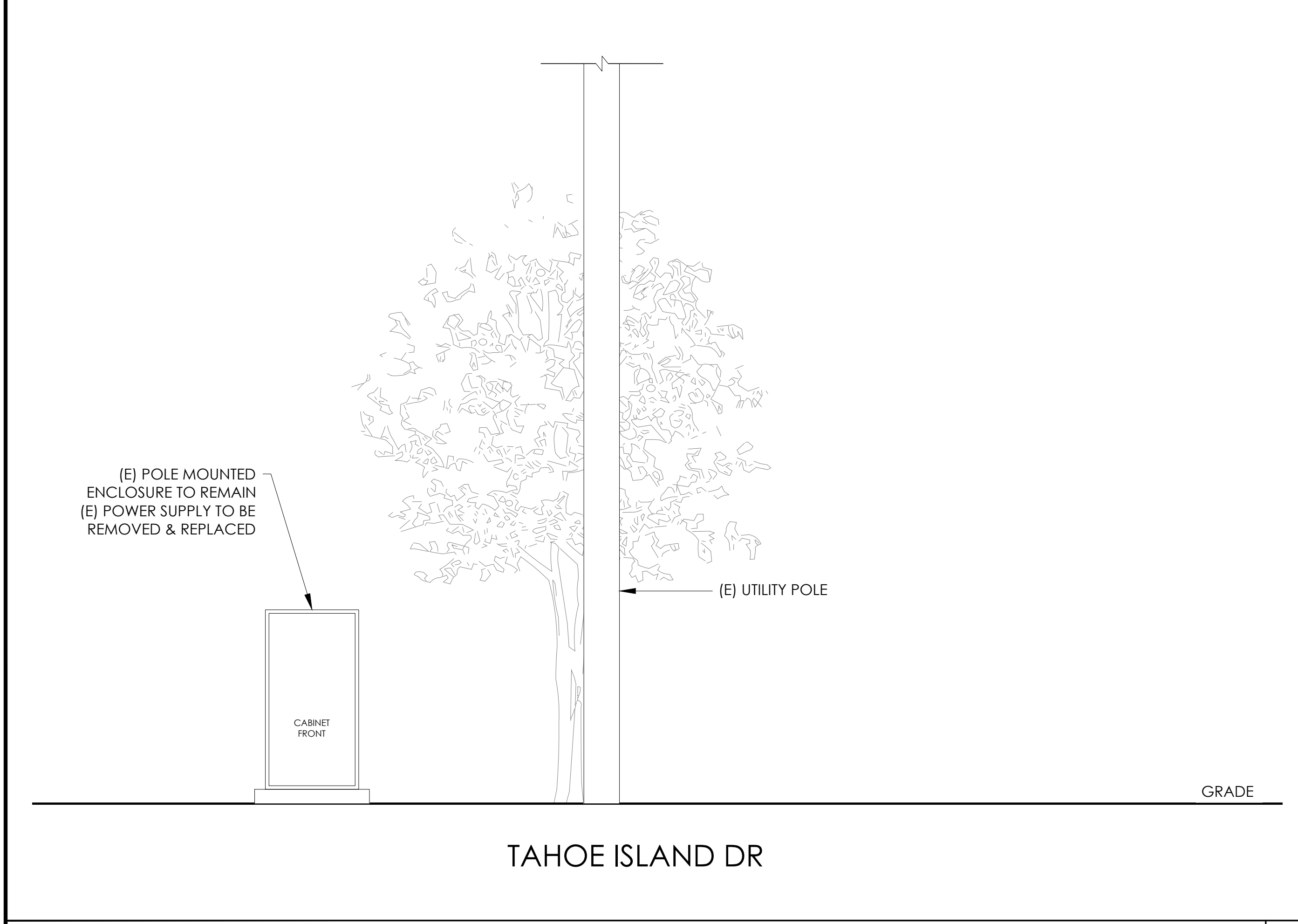
NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"
4' 3' 2' 1' 0" 4'

PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"
4' 3' 2' 1' 0" 4'



EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"
2' 1' 0" 2'

PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"
2' 1' 0" 2'



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



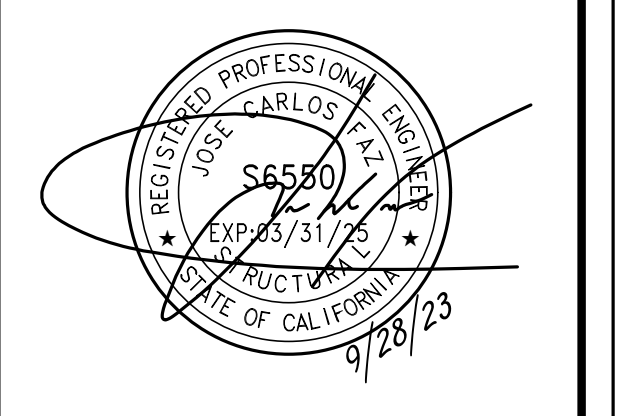
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069696

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
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5	09/26/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

SITE ID:
ST125D_A

SITE ADDRESS:
732 TAHOE ISLAND,
SOUTH LAKE TAHOE,
CA 96150

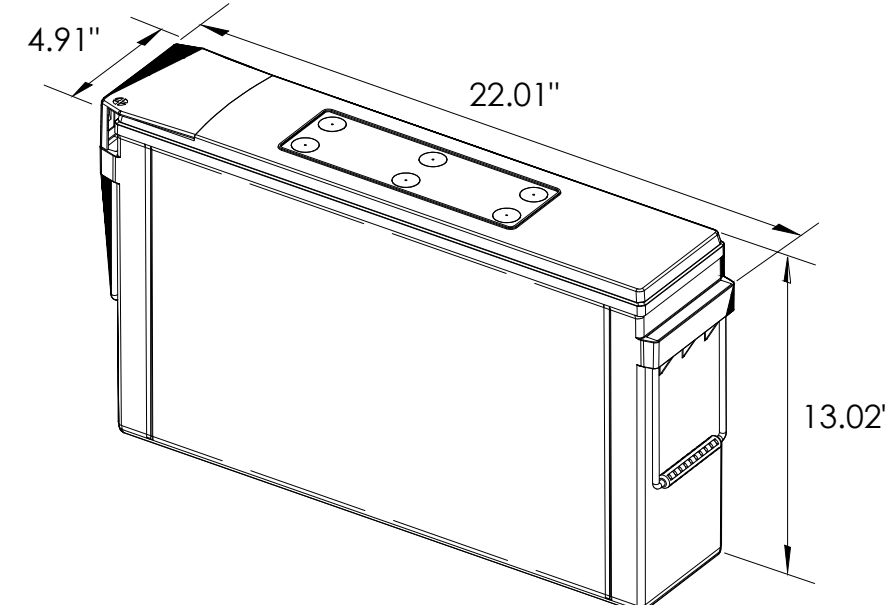
SHEET TITLE:

ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT

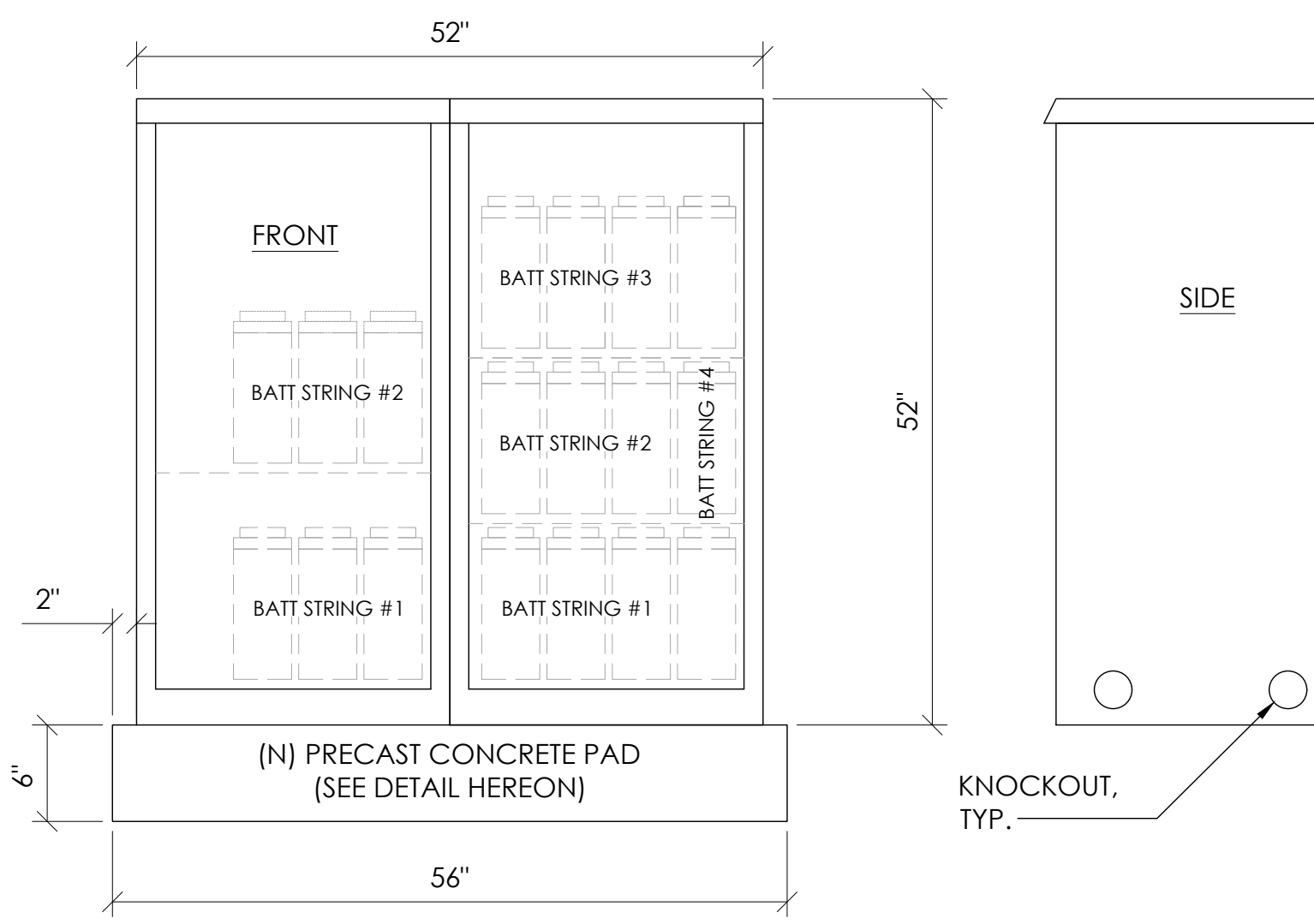


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

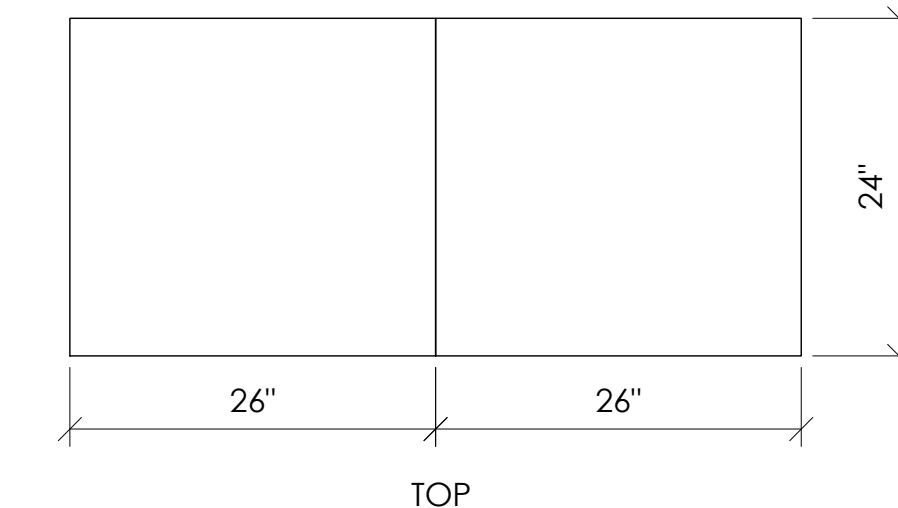
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

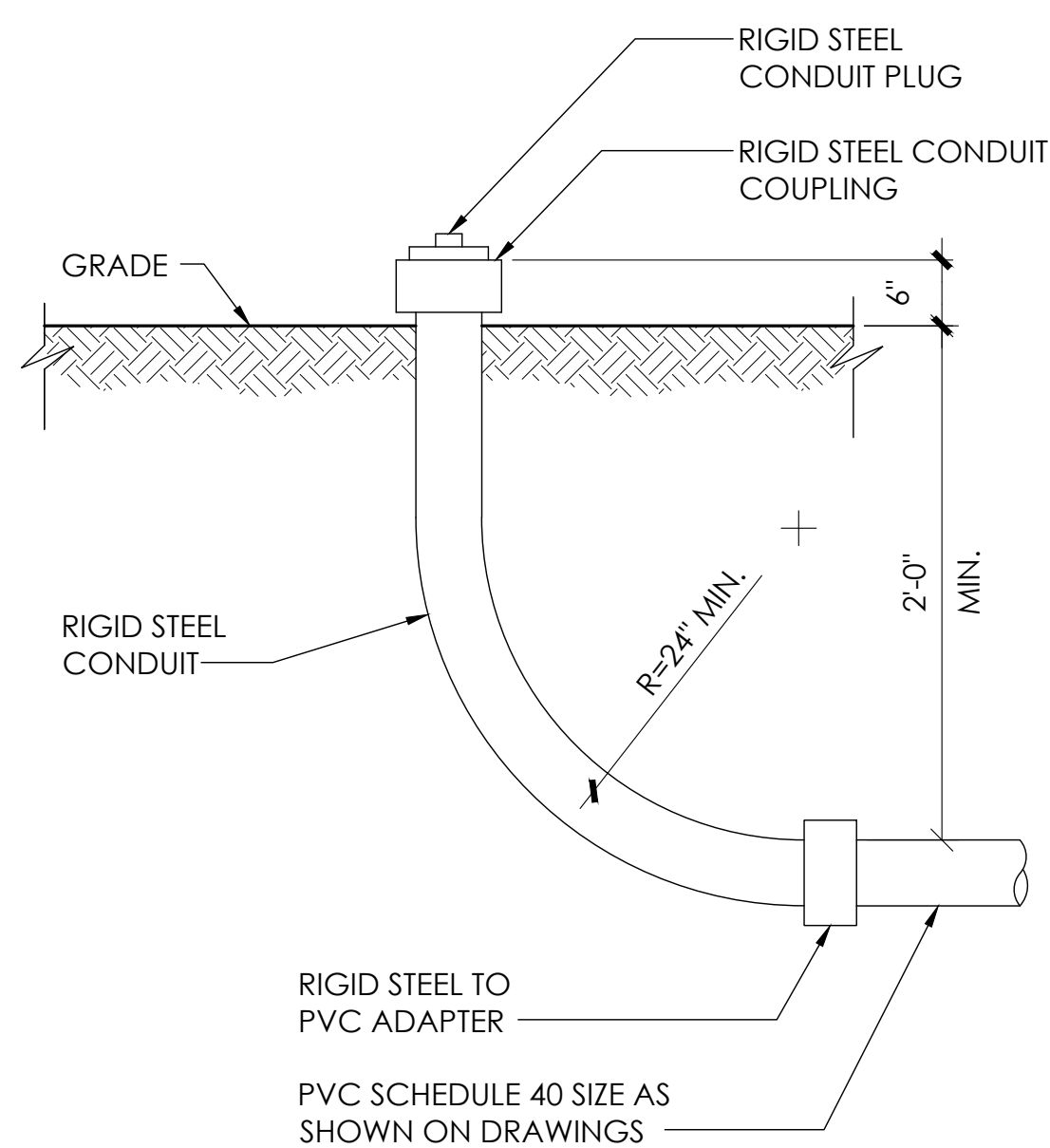


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	
CABINET #1:	(4) BATTERY STRINGS
CABINET #2:	(2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

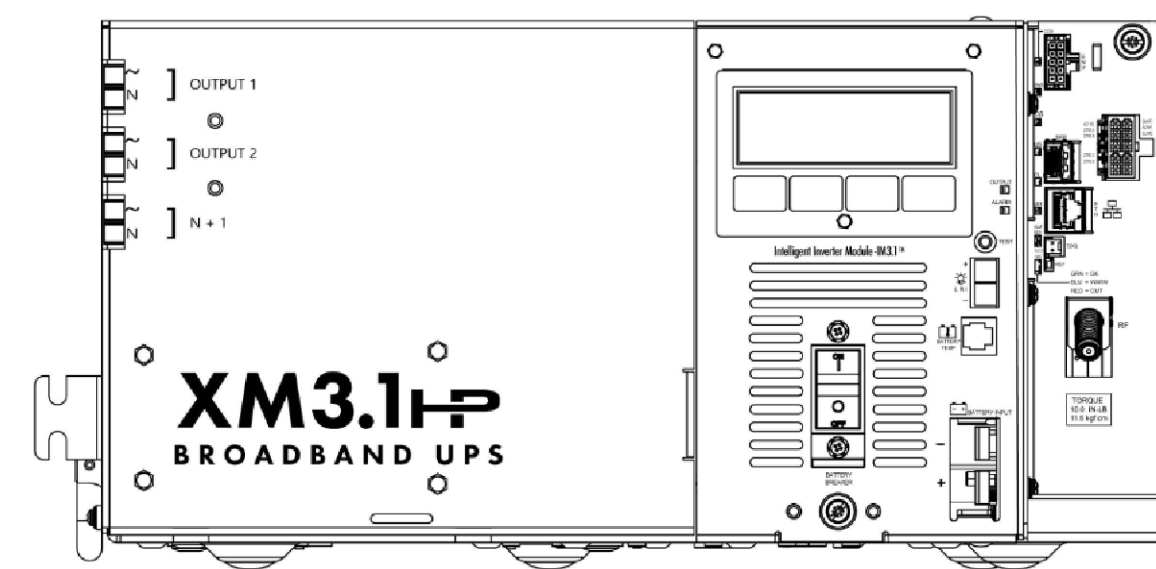


8 STUB-UP DETAIL
N.T.S.

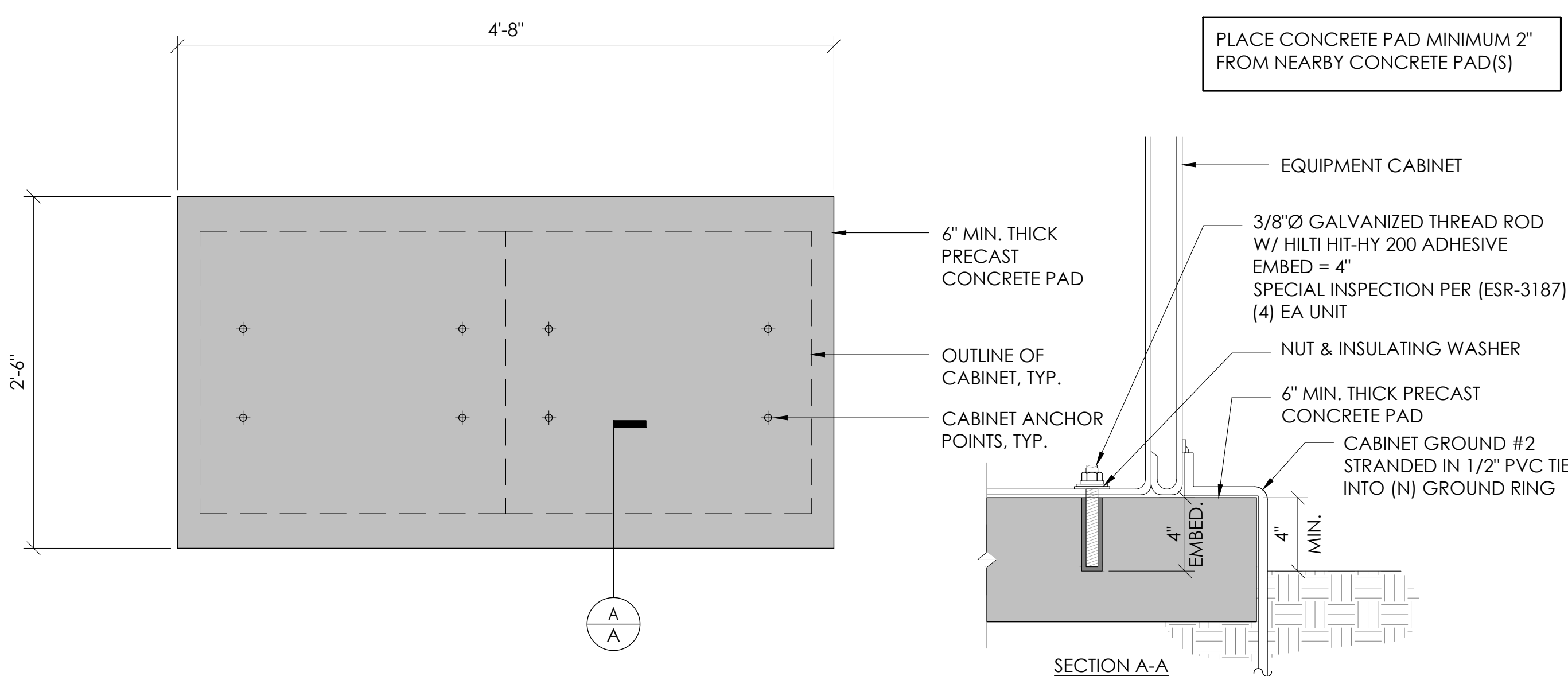
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

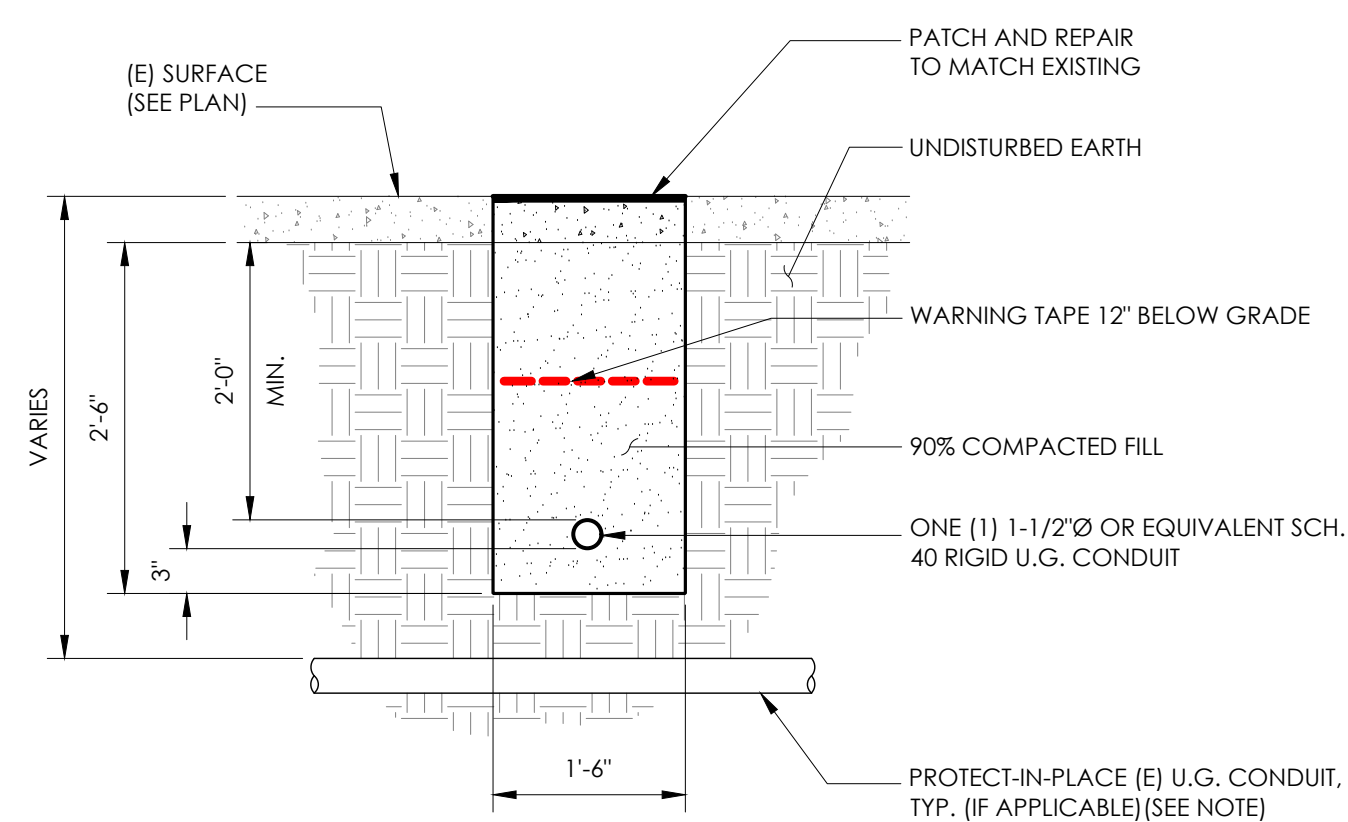


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

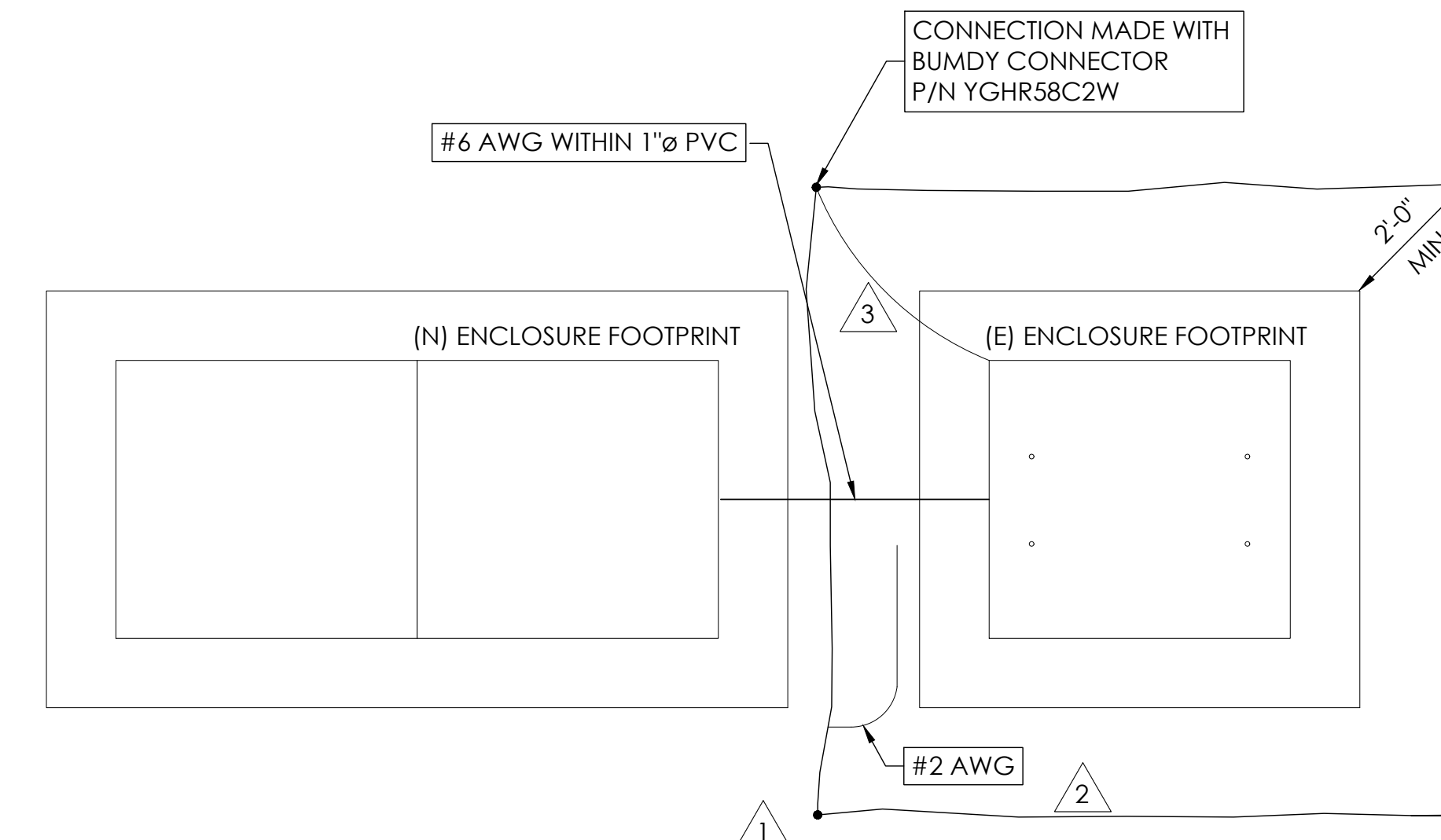
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)

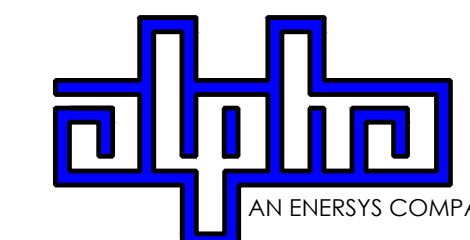
- #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND. INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



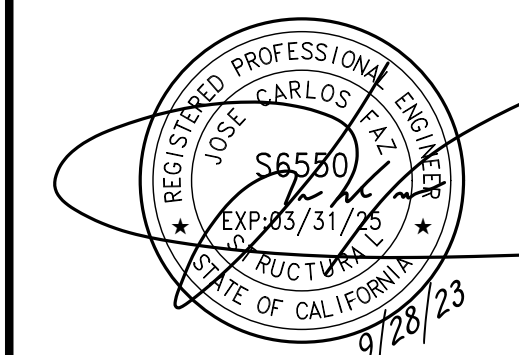
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069696

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
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4	06/22/23	100% CD REV PER PCC#2	ES
5	09/26/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

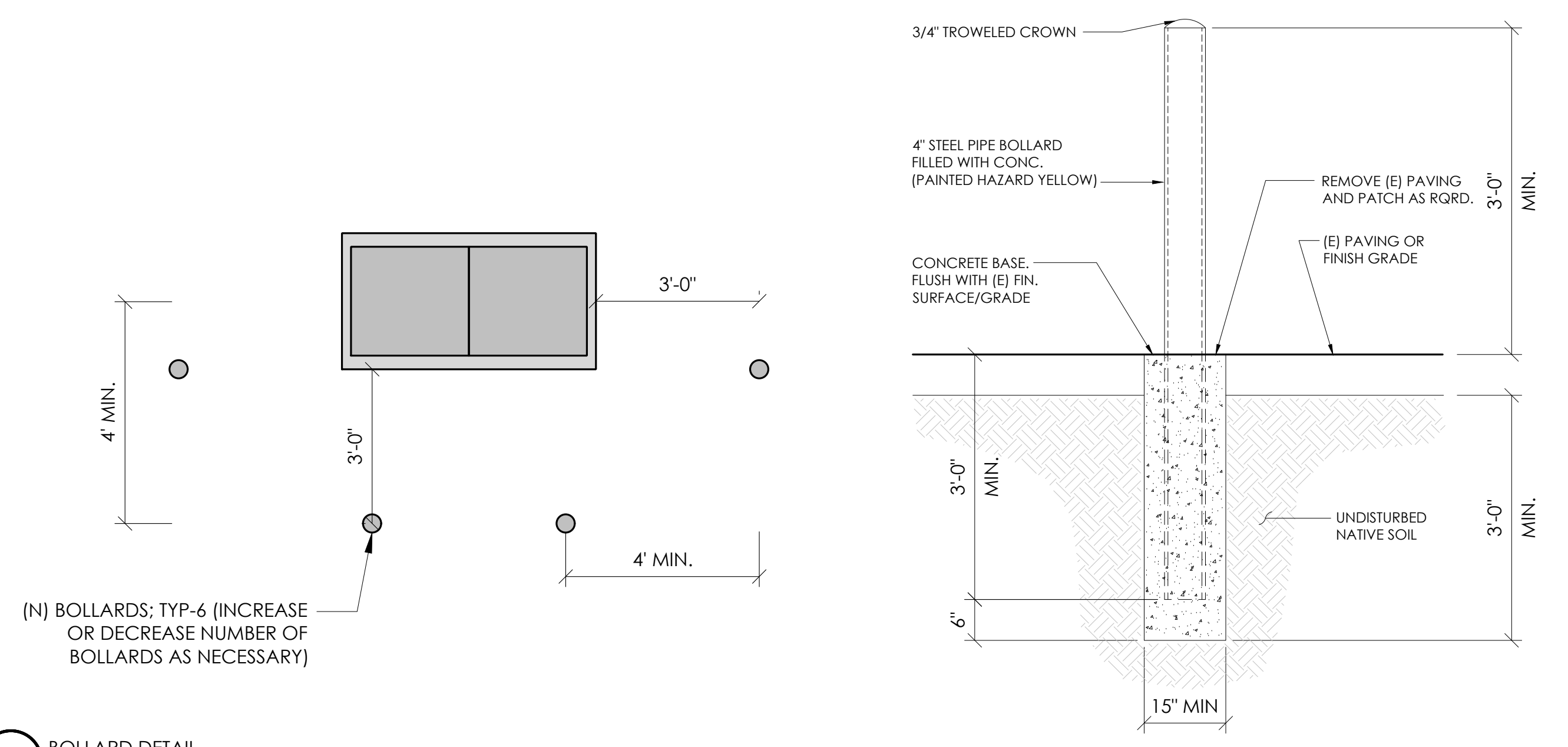
SITE ID:
ST125D_A

SITE ADDRESS:
732 TAHOE ISLAND,
SOUTH LAKE TAHOE,
CA 96150

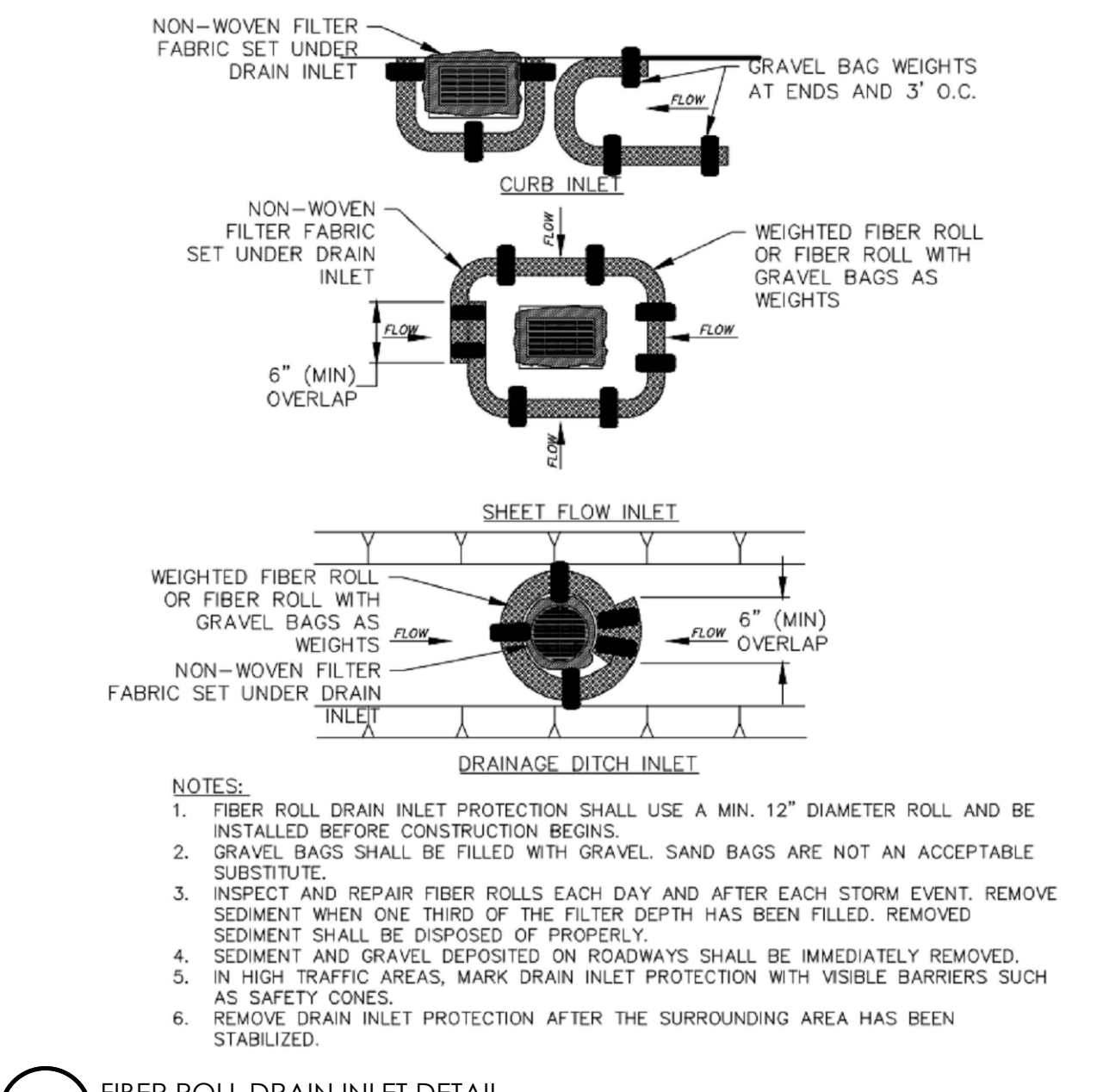
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DETAILS

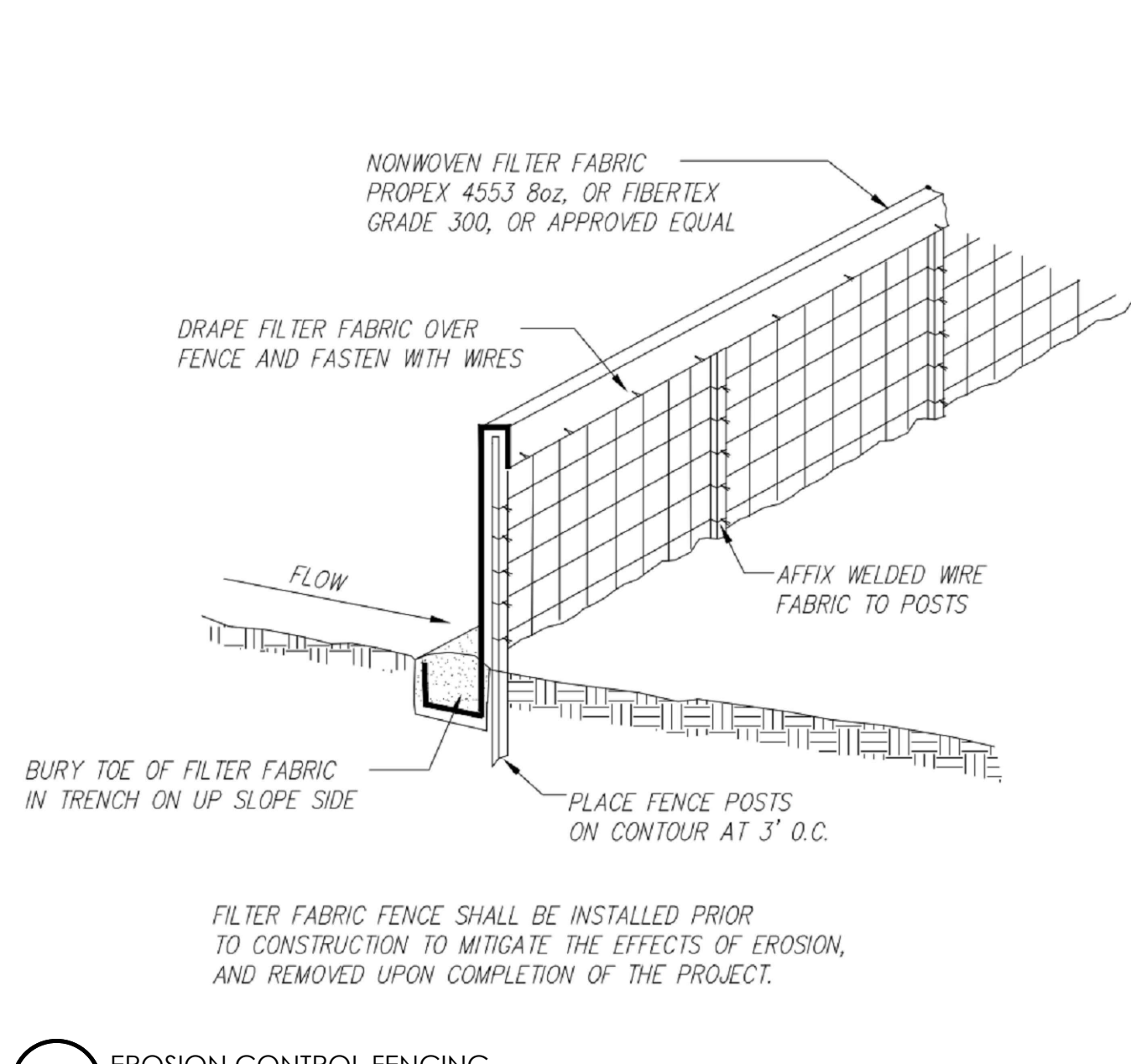
D1



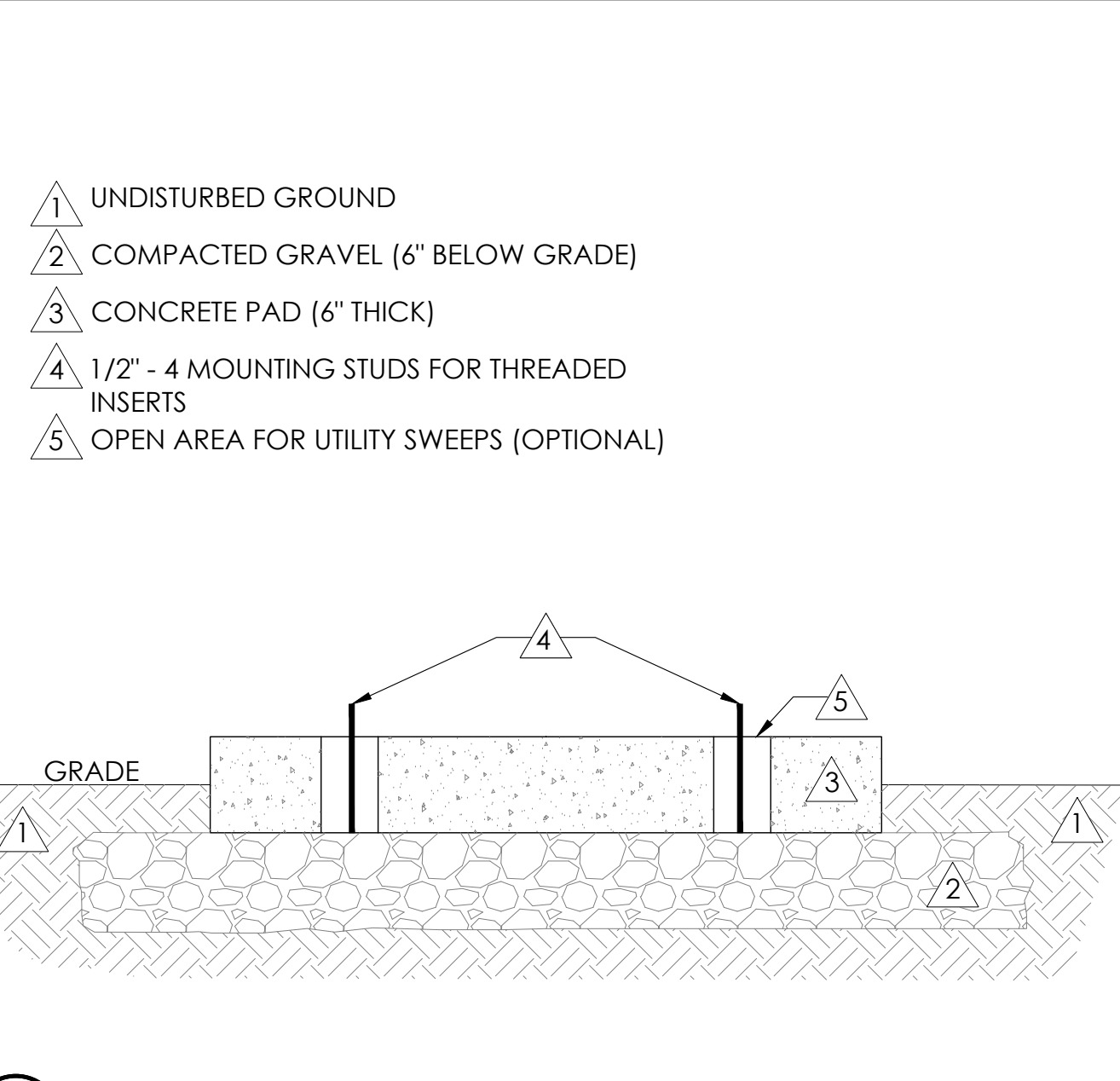
10 BOLLARD DETAIL
N.T.S.



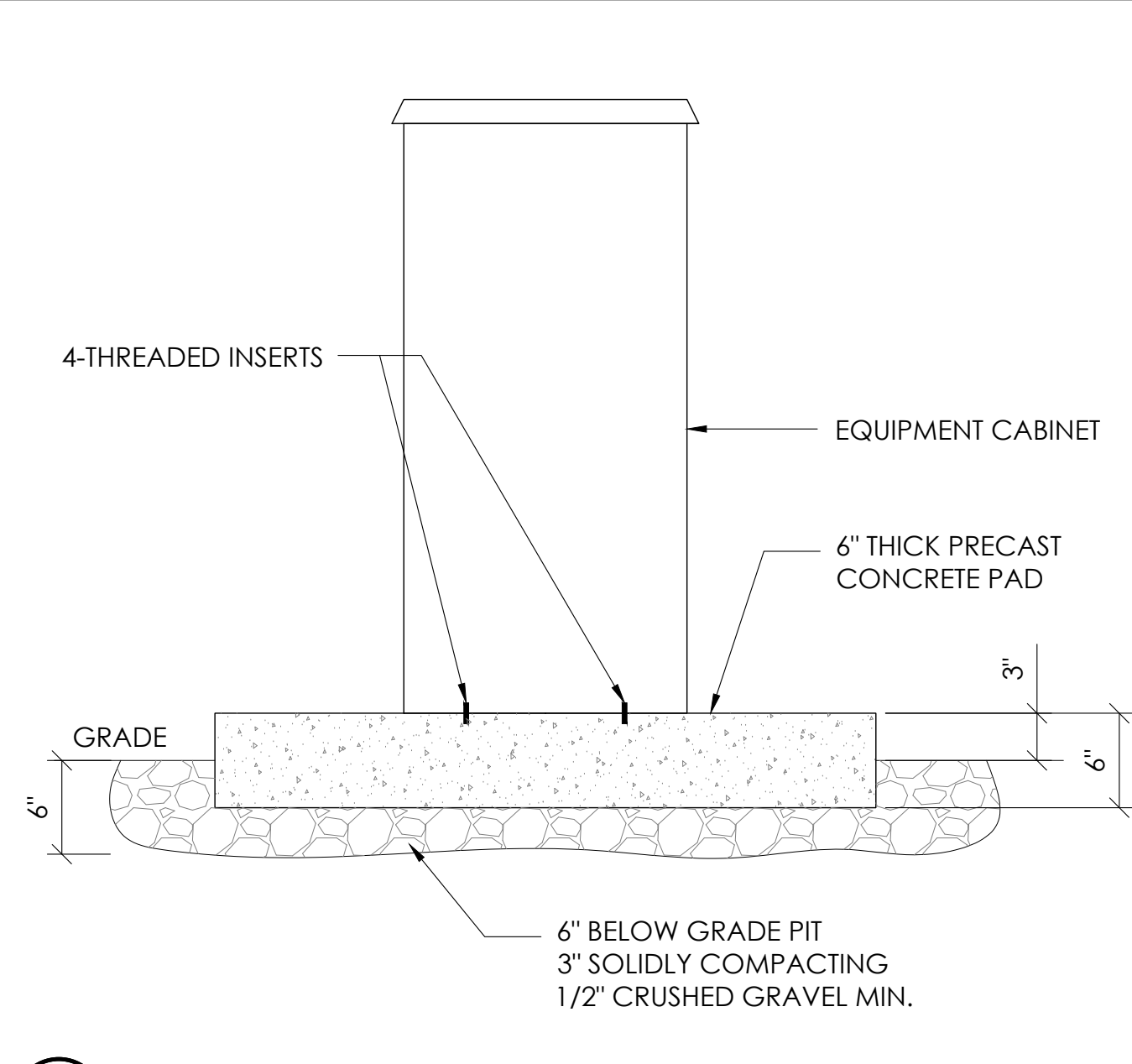
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



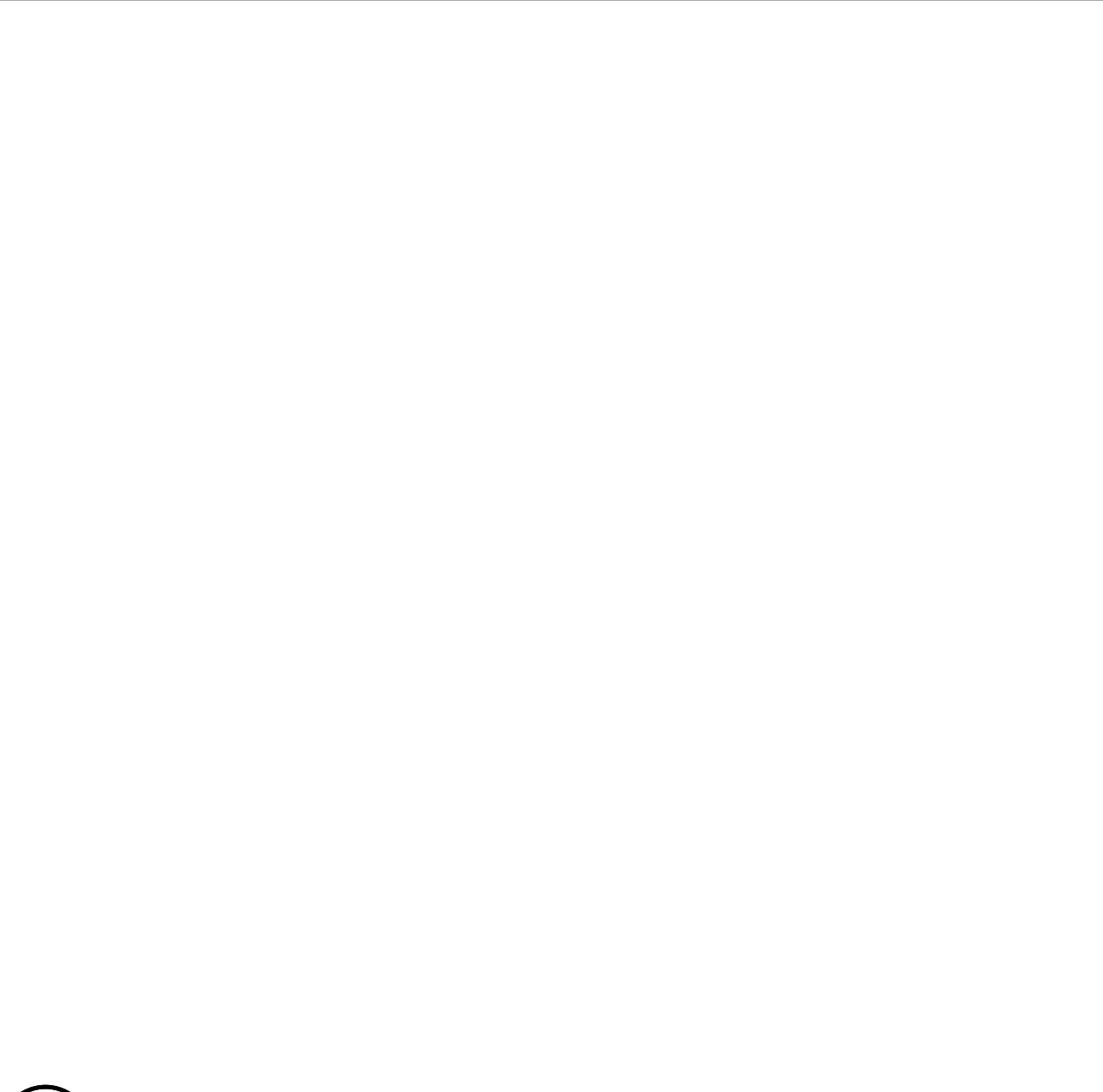
1 EROSION CONTROL FENCING
N.T.S.



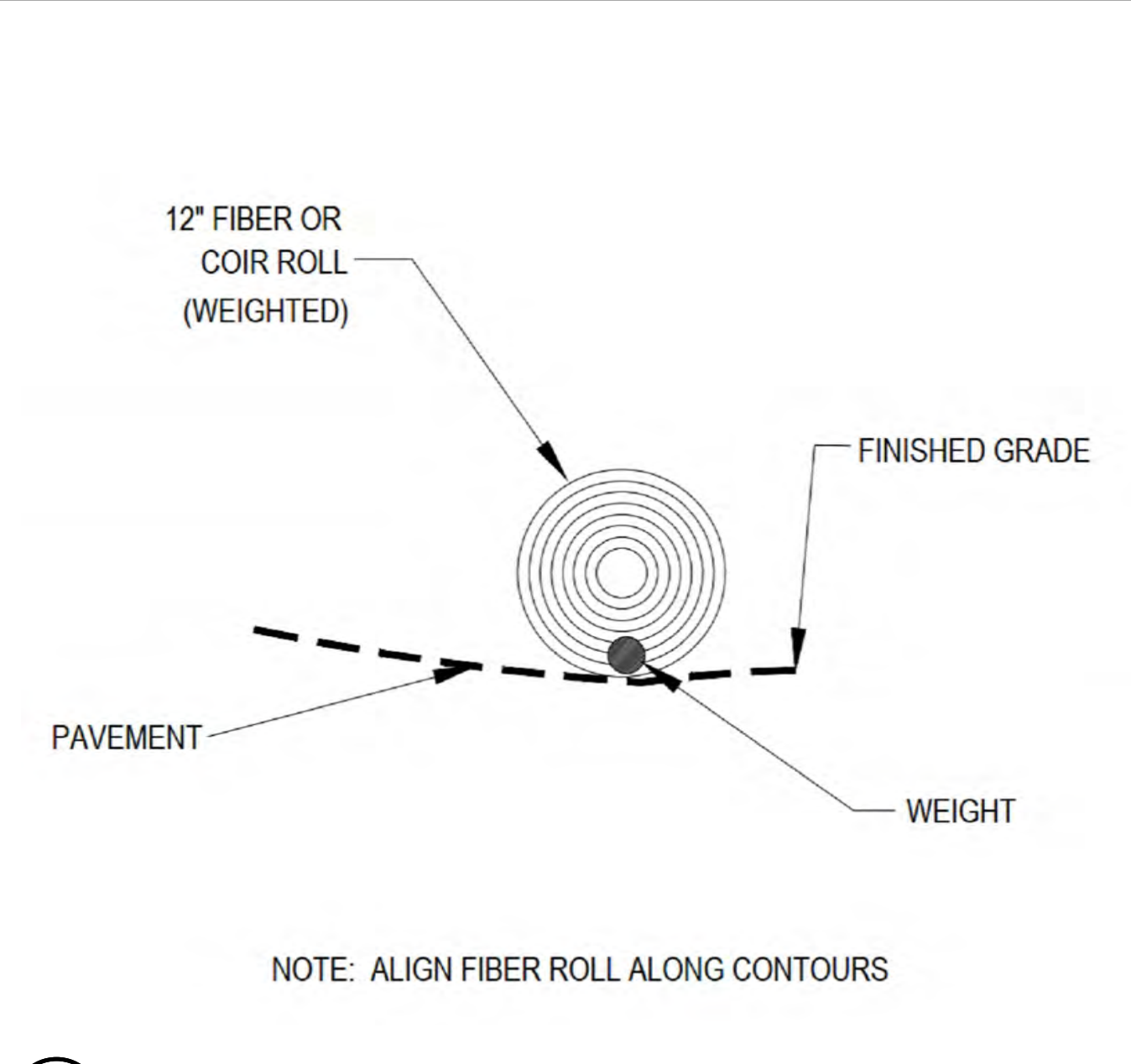
11 FOUNDATION BASE FOR PN4
N.T.S.



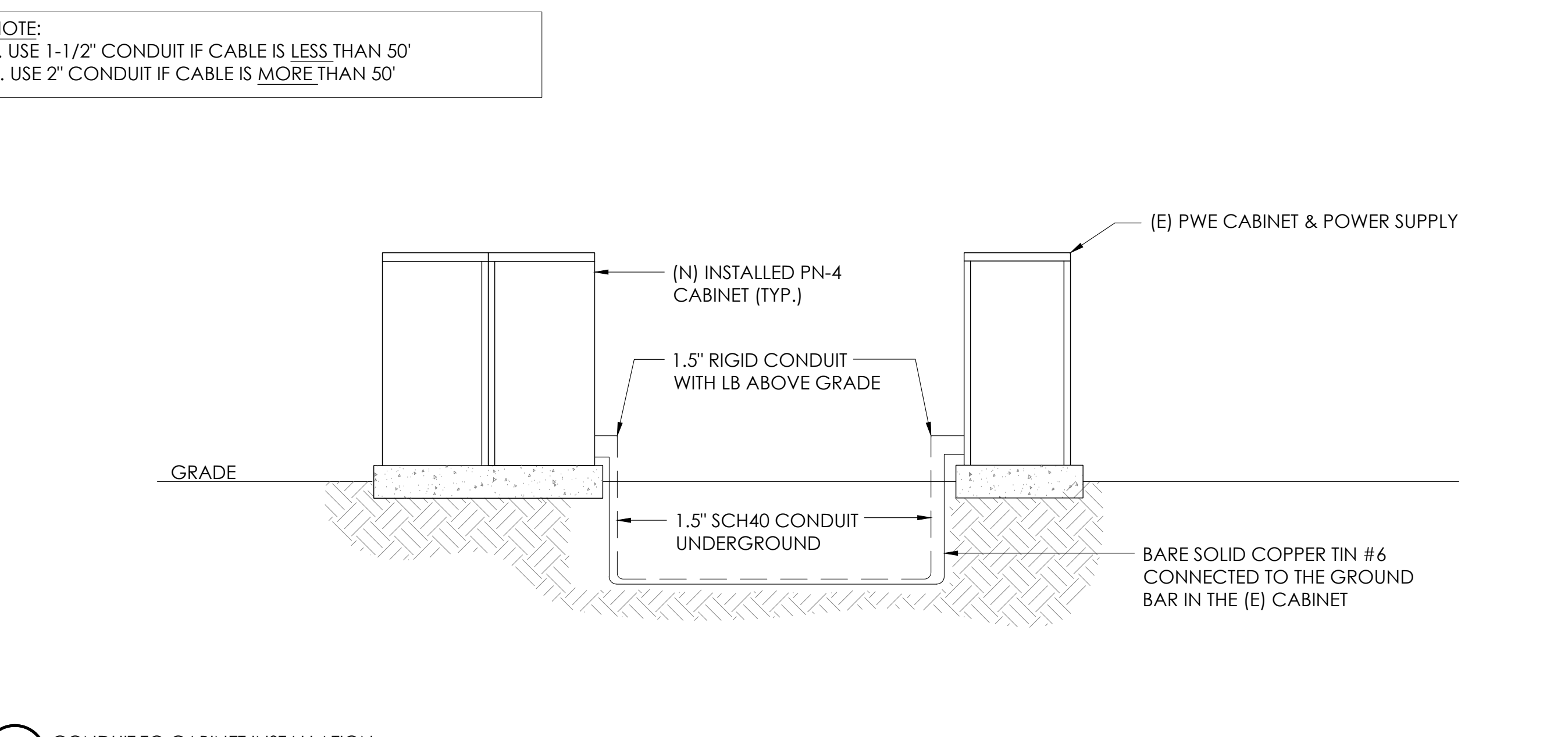
8 P4 CABINET INSTALLATION
N.T.S.



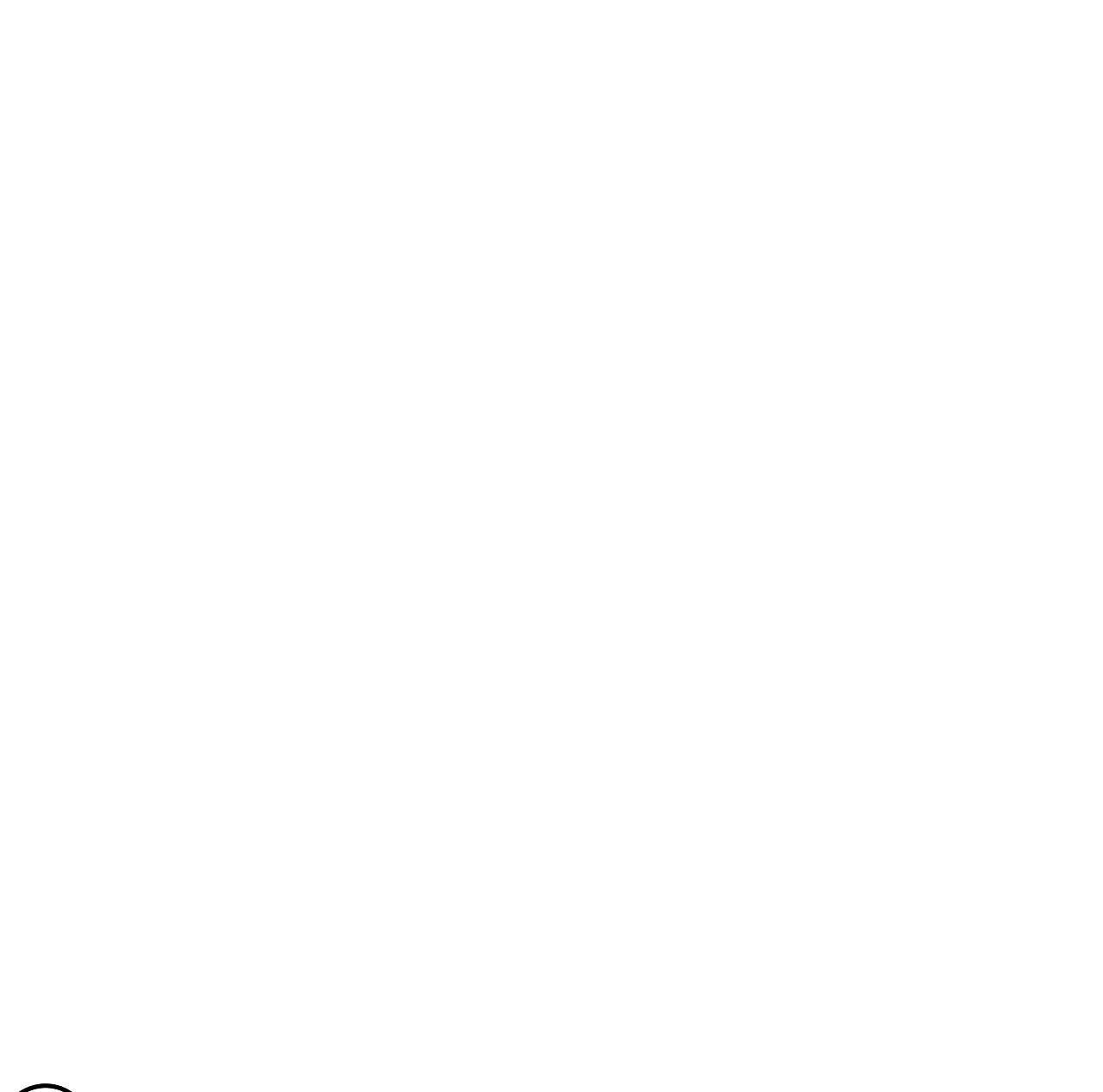
5 NOT USED
N.T.S.



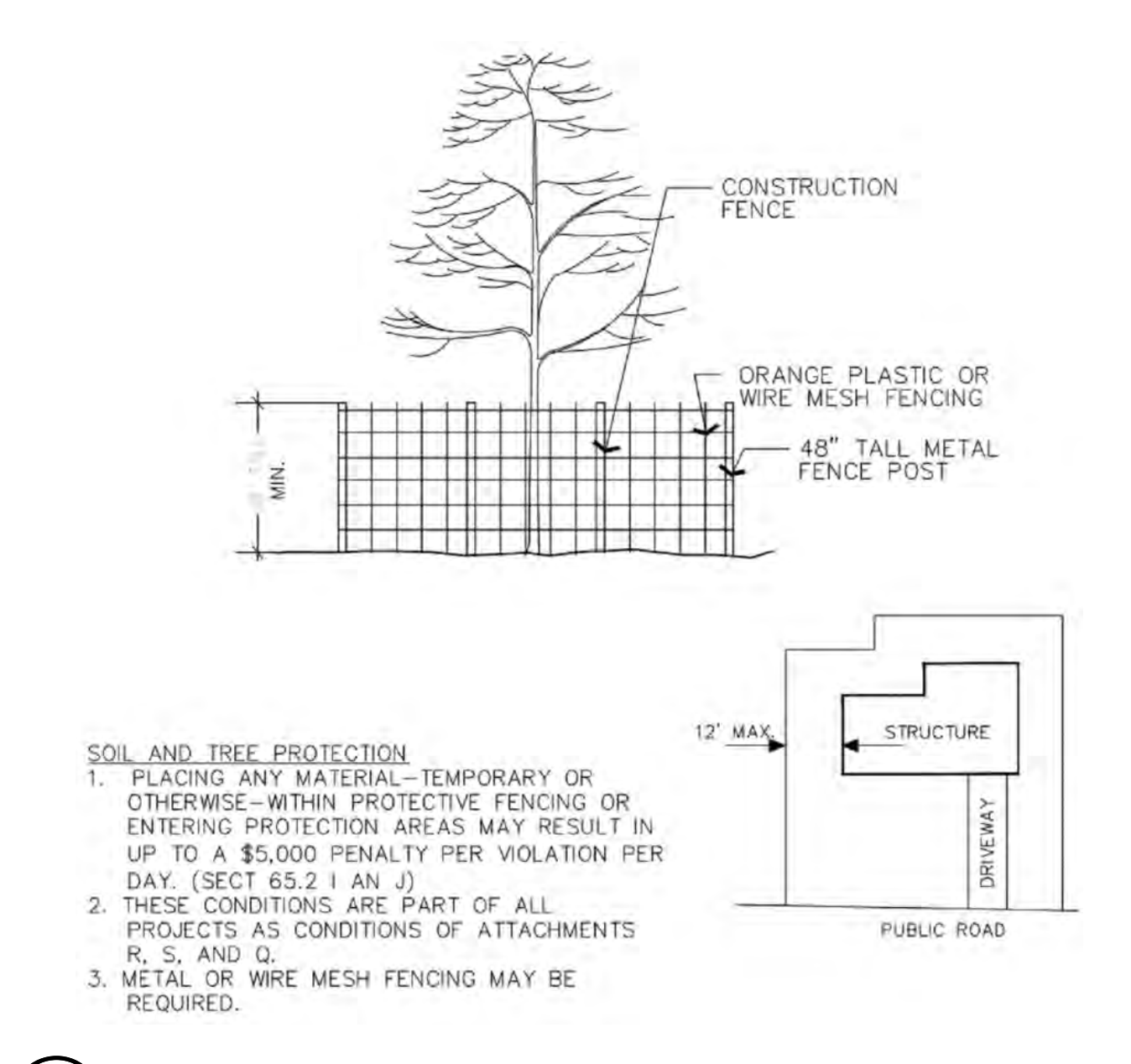
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

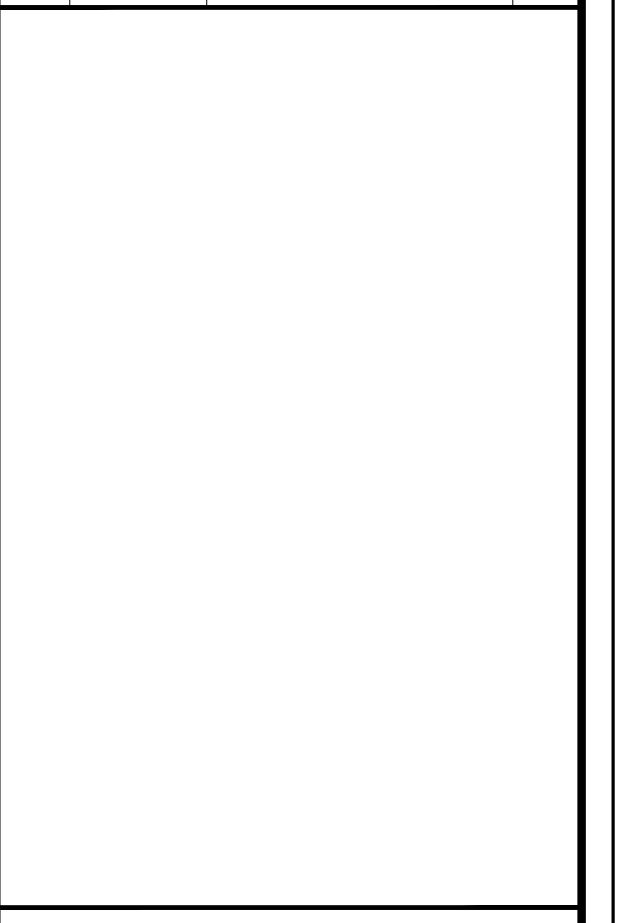


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069696

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	09/26/23	SURVEY SHEET ADD	MZ



SEAL

SITE INFORMATION

SITE ID:
ST125D_A

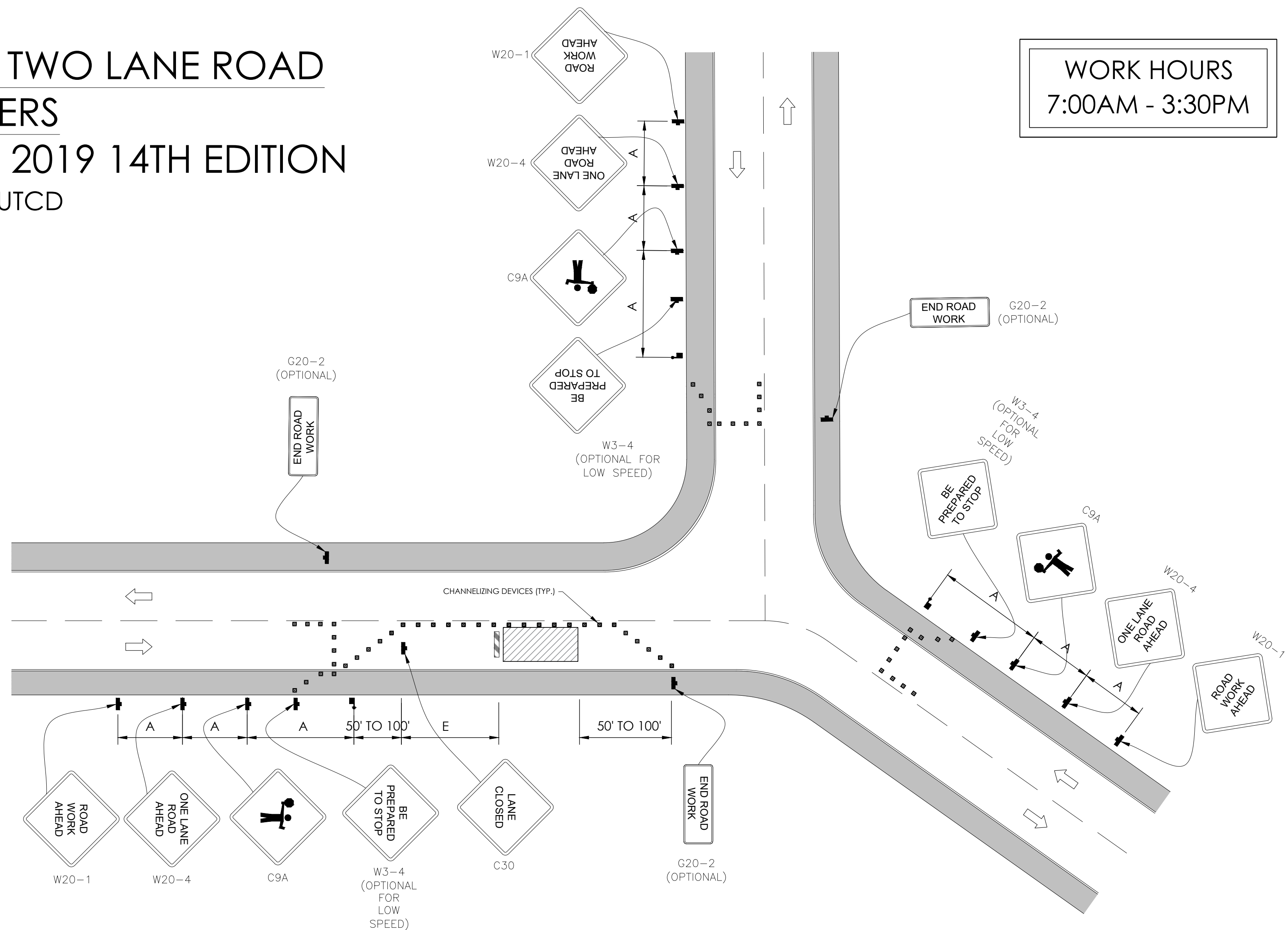
SITE ADDRESS:
732 TAHOE ISLAND,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD INTERSECTION USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD



GENERAL NOTES:

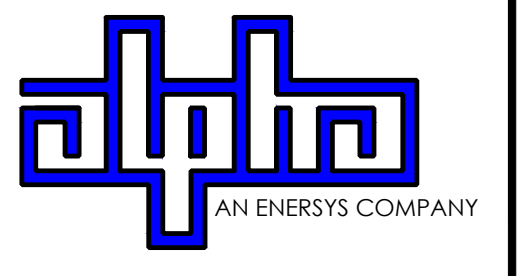
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-.3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25

1	WORK ON FREEWAYS AND EXRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

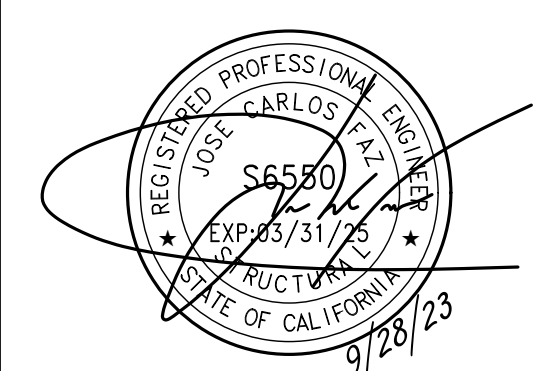


23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069696

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	09/26/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

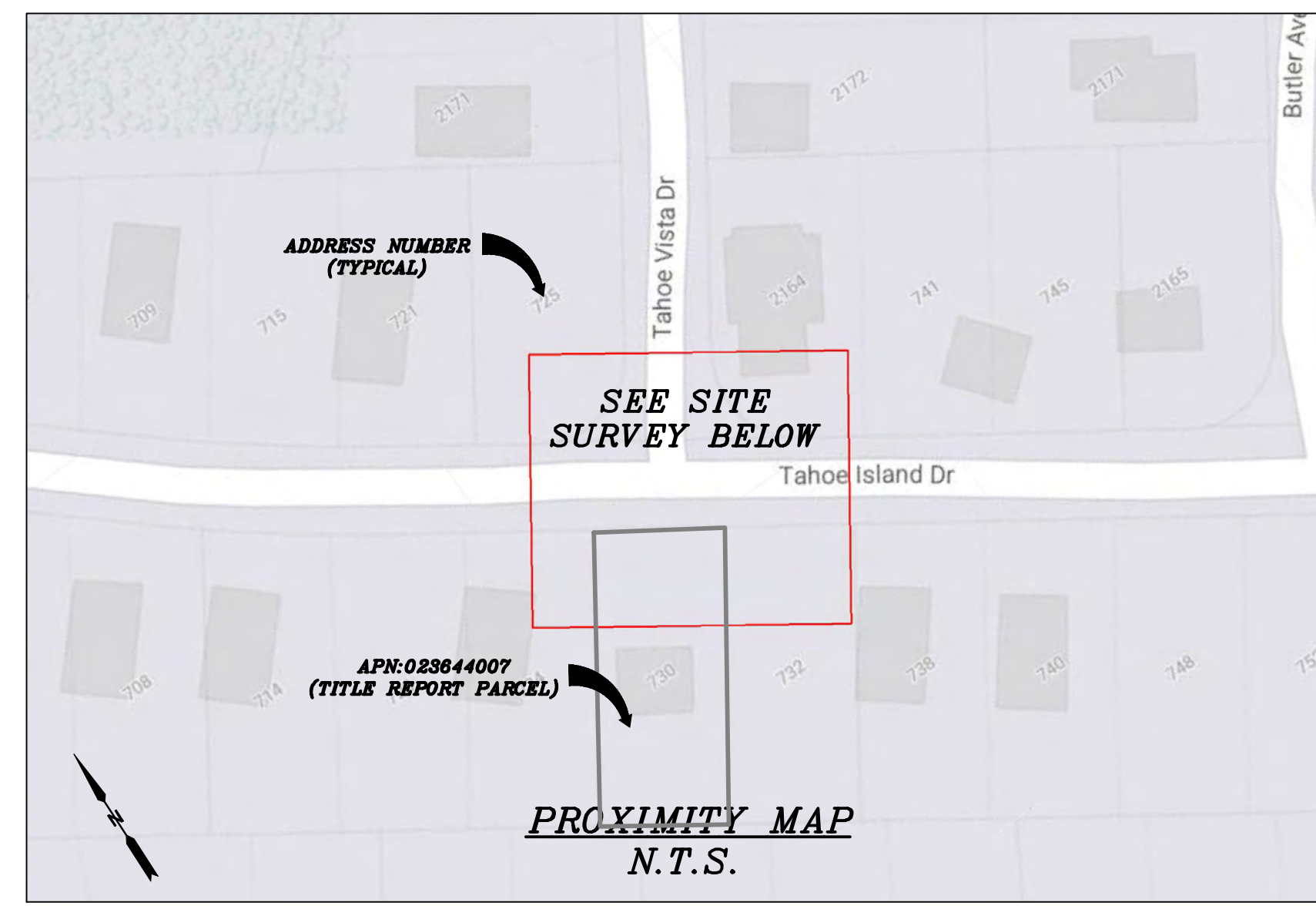
**SITE ID:
ST125D_A**

SITE ADDRESS:
732 TAHOE ISLAND,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

TRAFFIC CONTROL

TC1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

 **Eaton Land Surveying, Inc.**
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/21/23	SUBMITTAL



PROJECT INFORMATION:
ST125D_A
732 TAHOE ISLAND DR.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/28/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

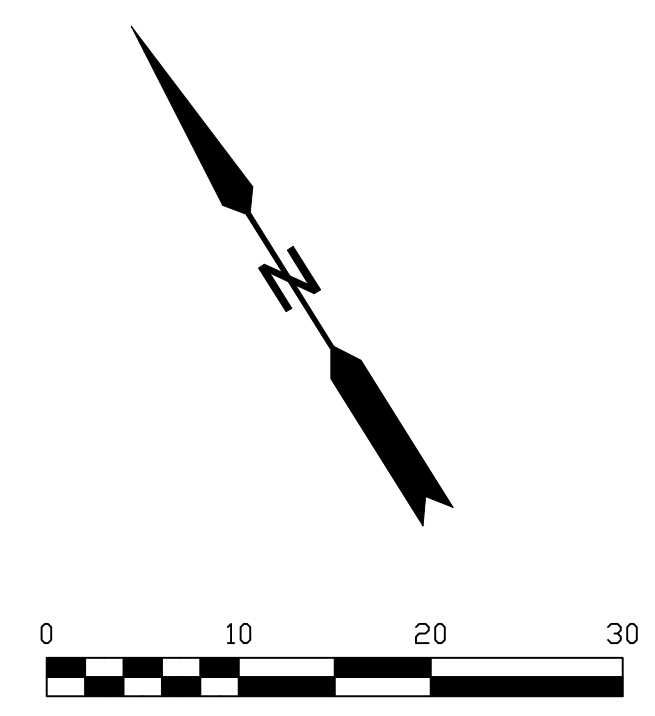
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

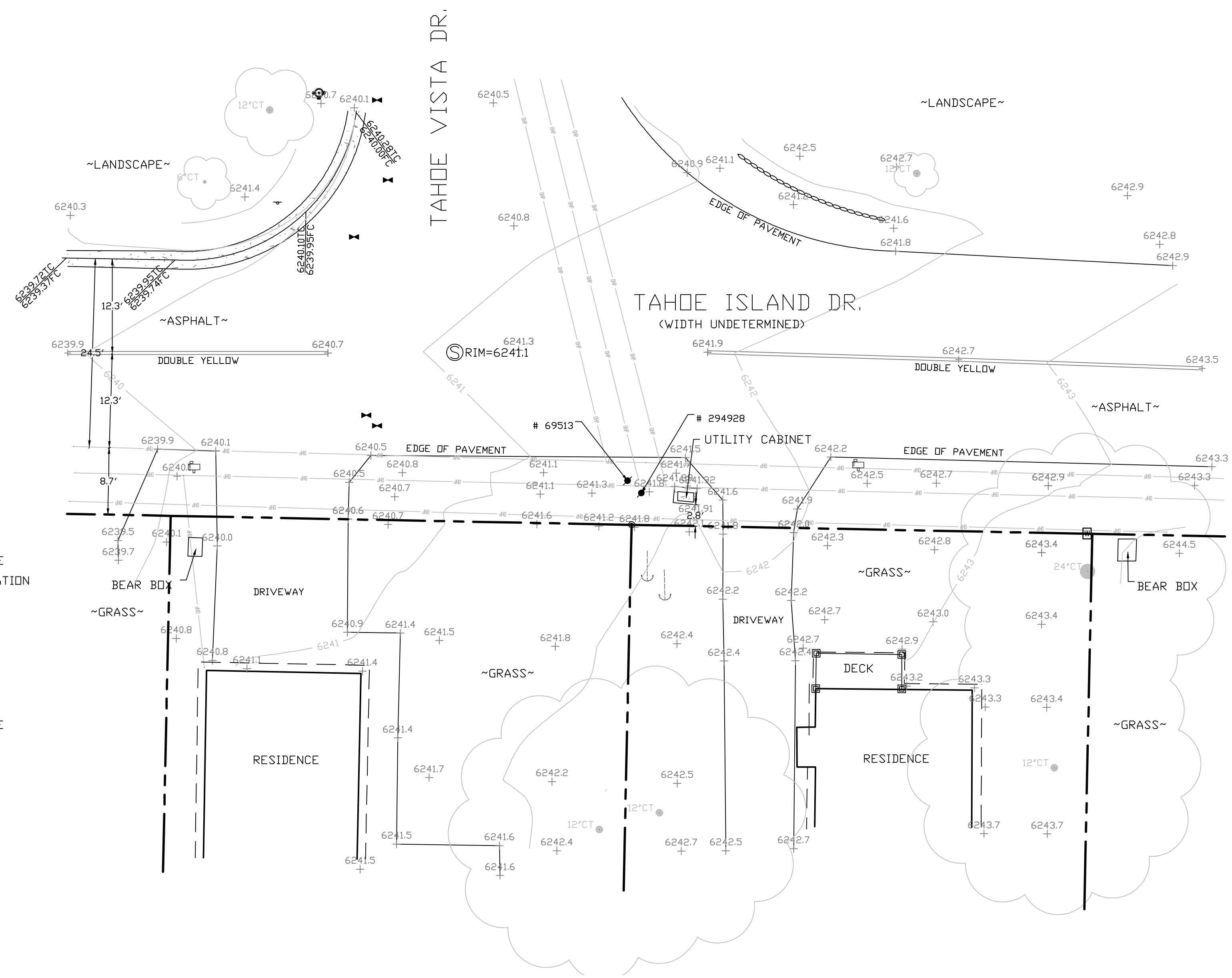
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 53 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 023-644-007-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032303 DATED 08/31/2023;



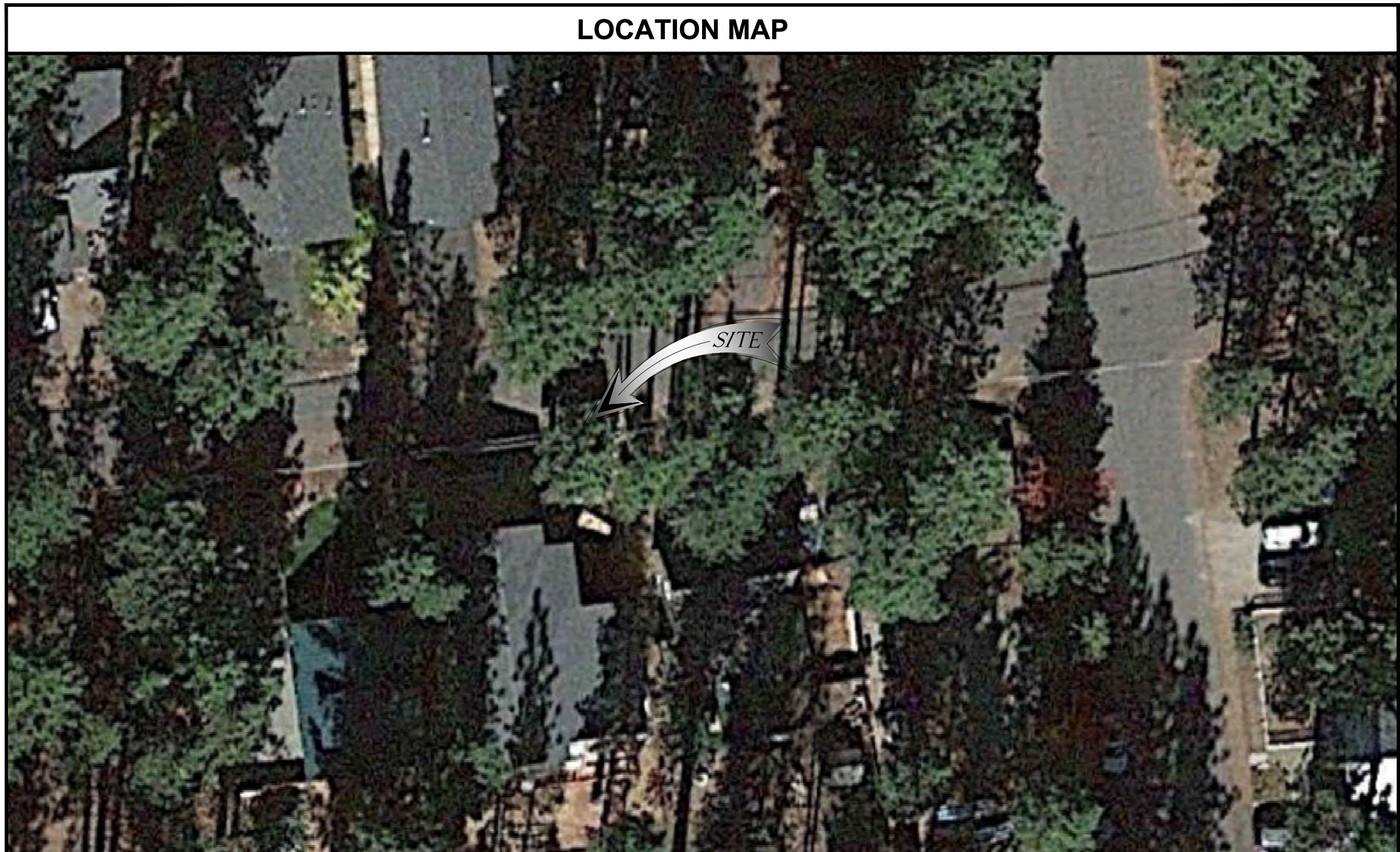
LEGEND
These standard symbols may be found in the drawing.

	CONCRETE
	PROPERTY LINE
	CENTER LINE
	OVERHEAD LINE
	FENCE
	HEADER
	ROOF
	WALL
	ROCK WALL
	PULLBOX ELECTRIC
	PULLBOX TELEPHONE
	PULLBOX COMMUNICATION
	WATER METER
	WATER VALVE
	POWER POLE
	ELEVATION GRADE
	GUY WIRE
	MAILBOX (MOVABLE)
	SIGN
	MANHOLE TELEPHONE
	MANHOLE SEWER
	RECTANGLE INLET
	FIRE HYDRANT
	SHRUB
	TRUNK
	CT CONIFEROUS TREE
	DT DECIDUOUS TREE
	TC TOP OF CURB
	FC FACE OF CURB
	TF TOP OF FENCE
	TW TOP OF WALL
	CD CURB DRAIN
	FOUND MONUMENT



SITE SURVEY
SCALE 1"=10'



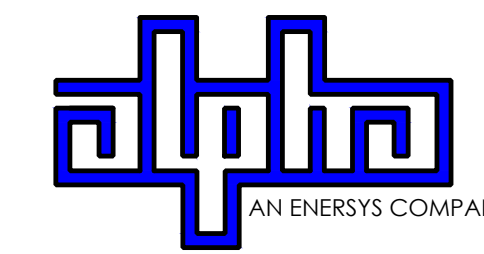


SITE ID: ST119D_A

SITE ADDRESS:
814 SONOMA AVE,
SOUTH LAKE TAHOE, CA 96150



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058749

1B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

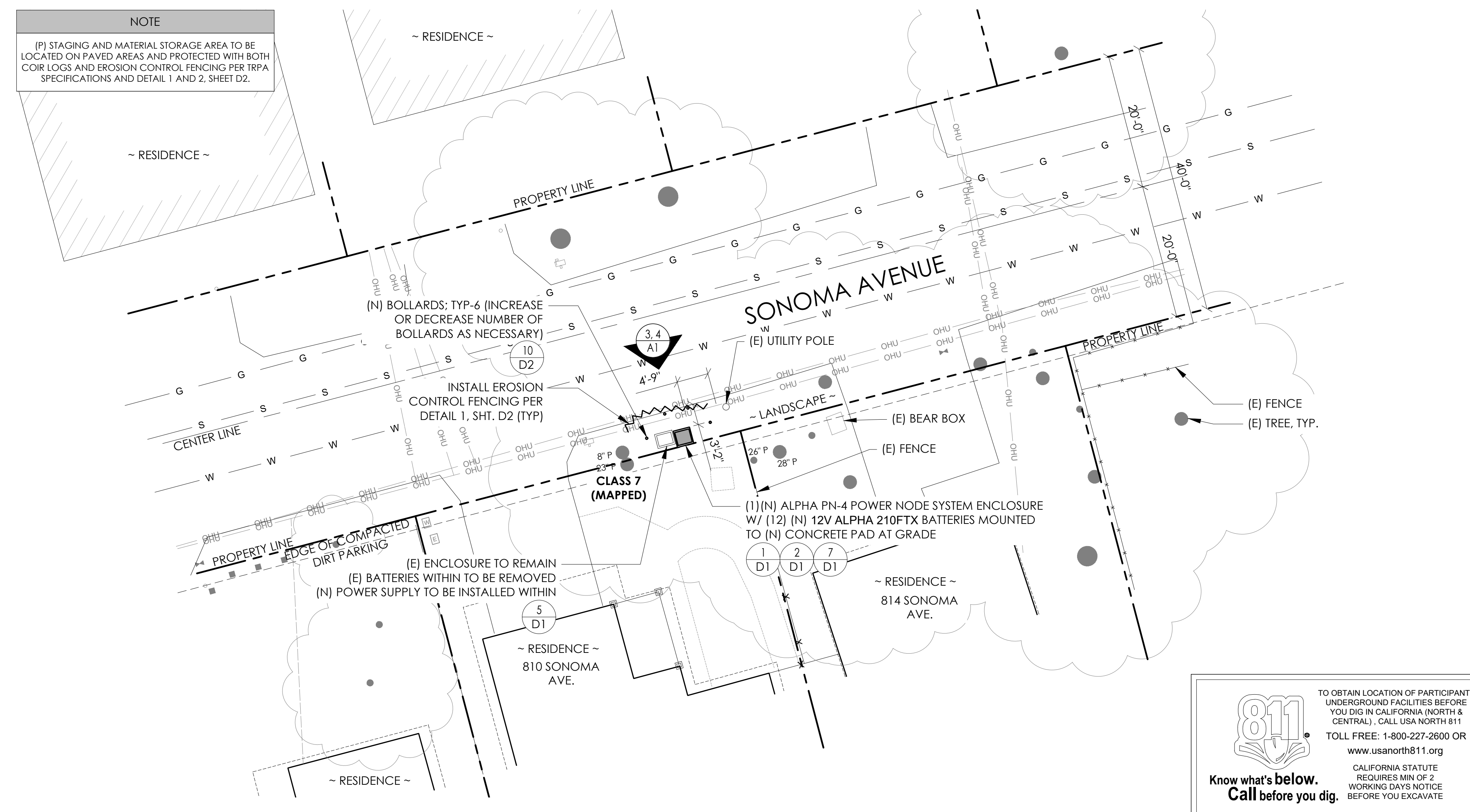
- INSTALLATION OF (1) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURE
- INSTALLATION OF (12) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

SITE ADDRESS:	814 SONOMA AVE SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.937017, -119.984666
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	4
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	1.5 C.Y.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	NA
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/01/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	05/22/23	100% CD REV PER PCC#2	RD
5	09/26/23	SURVEY SHEET ADD	MZ



DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5p.com 23 MAULCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

CODE COMPLIANCE

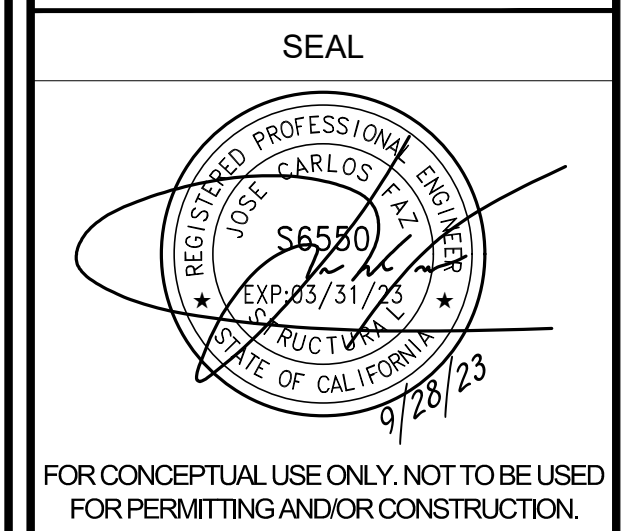
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE, 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANSII/A-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST119D_A

SITE ADDRESS:
814 SONOMA AVE,
SOUTH LAKE TAHOE, CA
96150

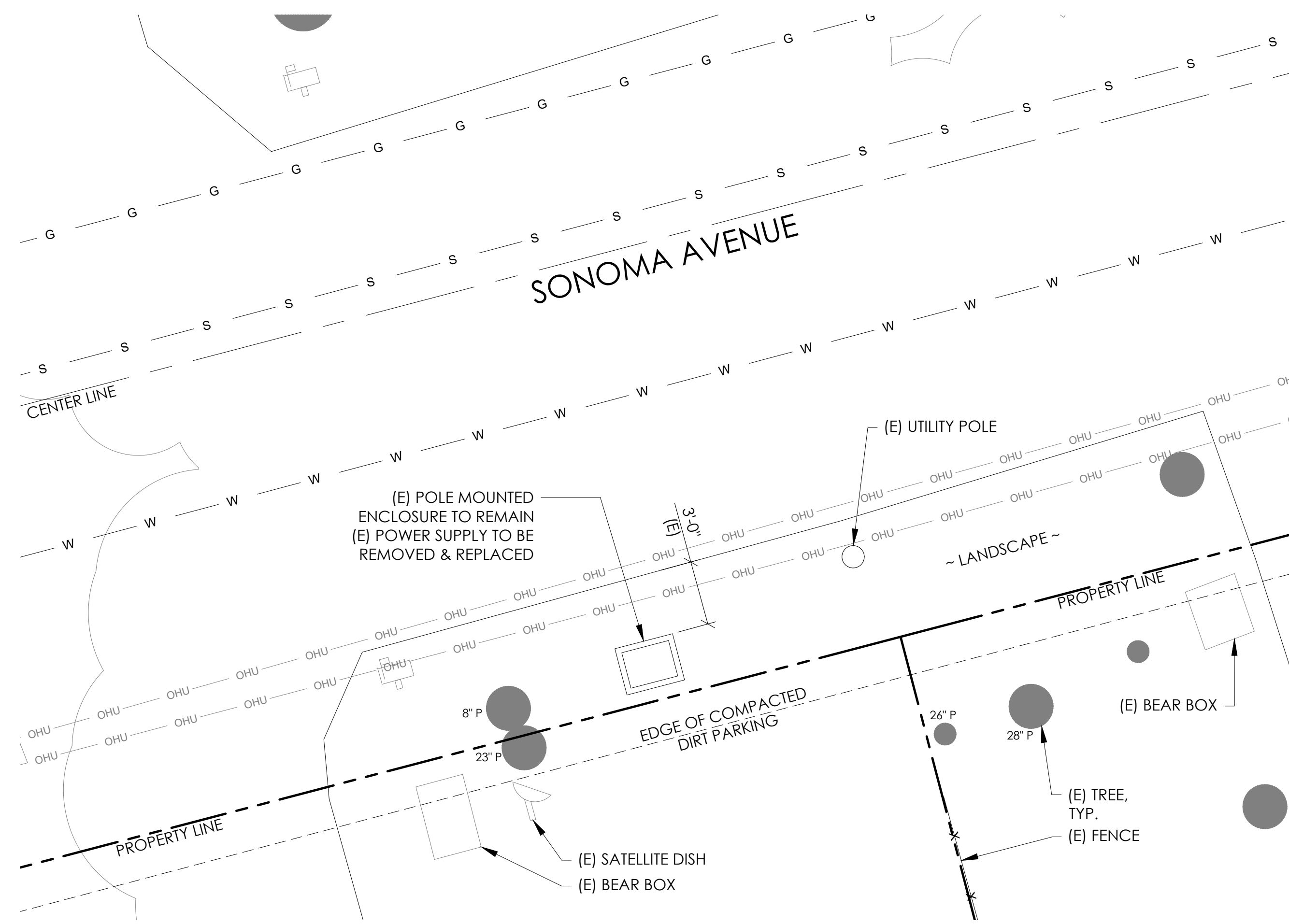
SHEET TITLE:
TITLE SHEET

T1

SITE PLAN

24"x36" SCALE: 1" = 10'-0"
11"x17" SCALE: 1" = 20'-0"

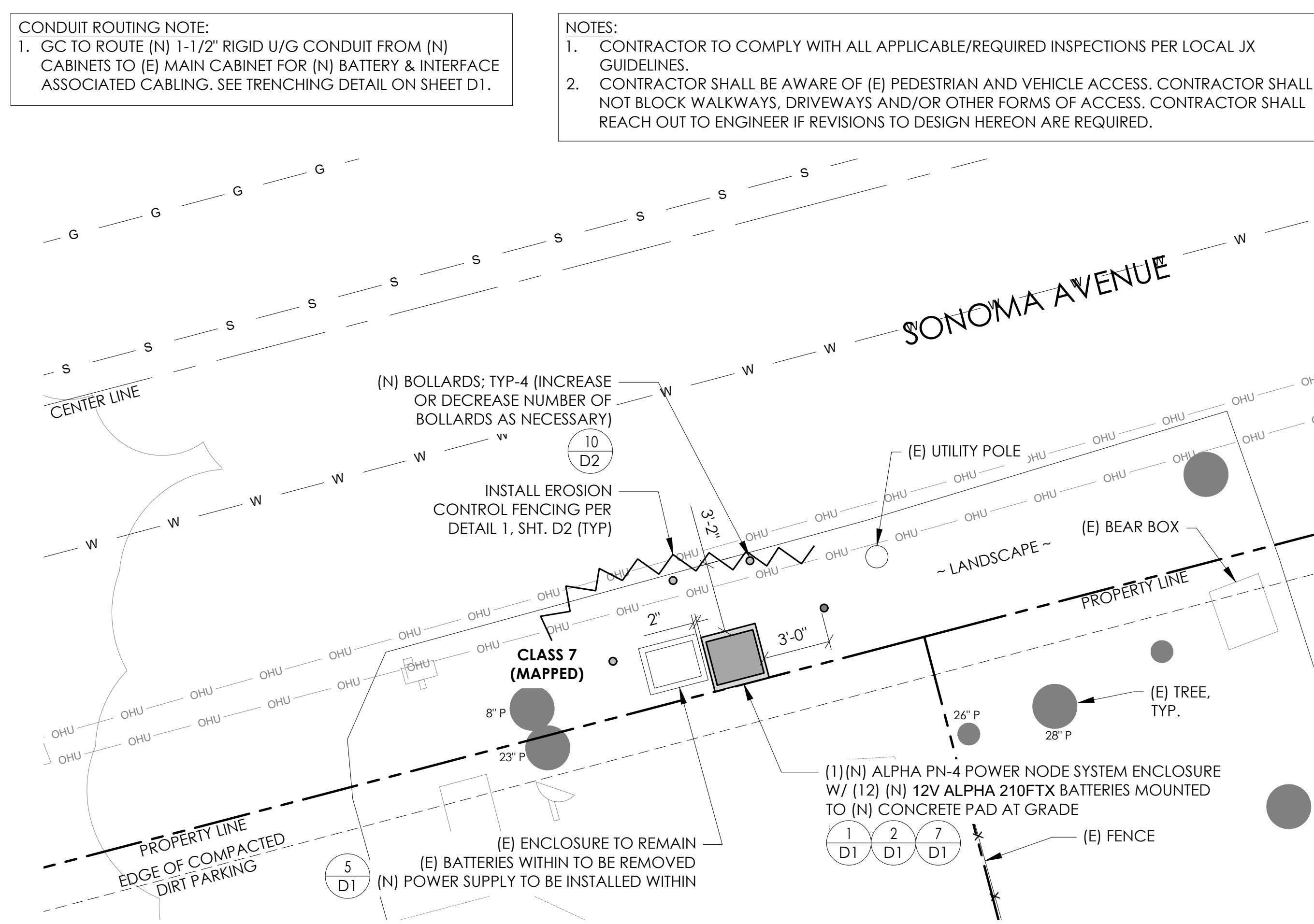
811 Know what's below. Call before you dig. CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE



EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0' 4'

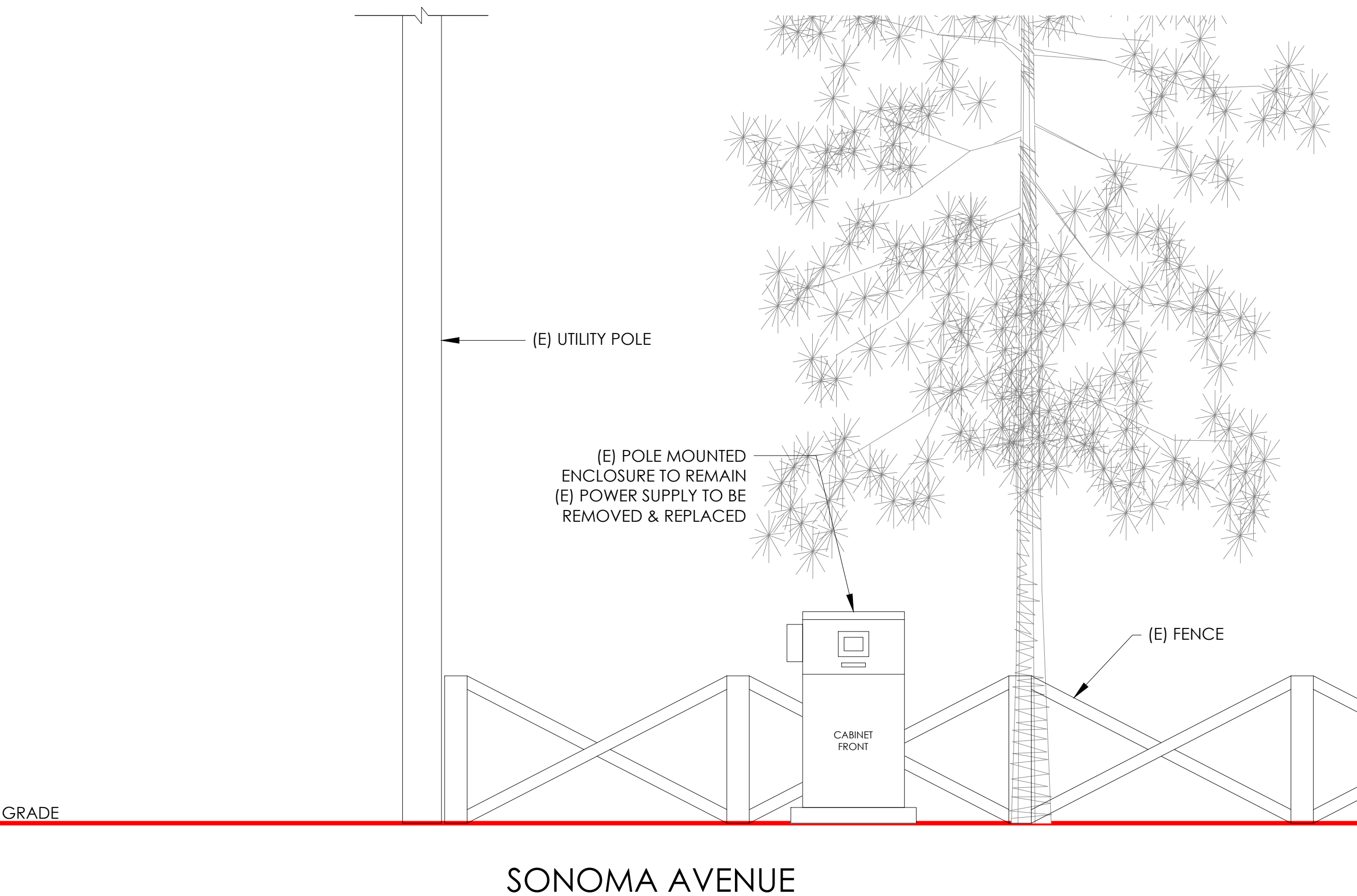
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PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0' 4'

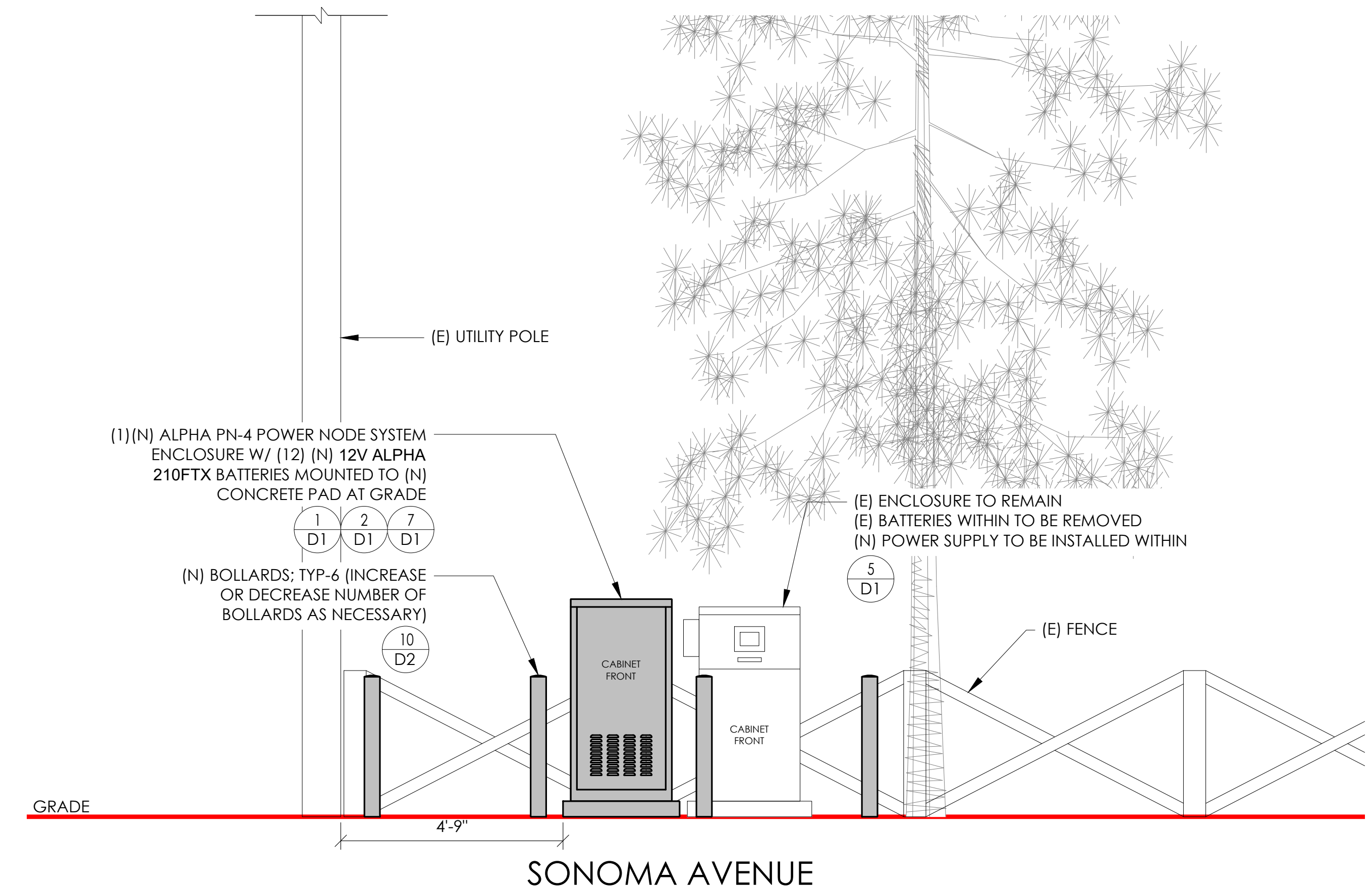
1



EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0' 2'

4



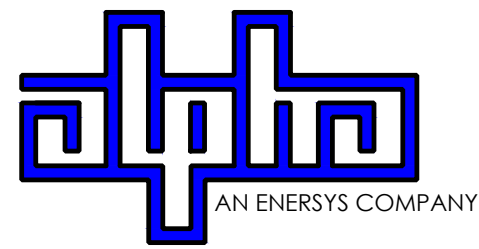
PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0' 2'

3



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



3767 ALPHA WAY
 BELLINGHAM, WA 98226



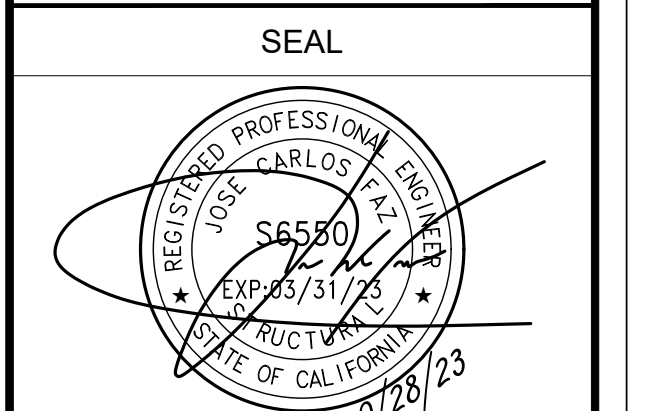
PROPERTY LINE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058749

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	NA
B	08/12/21	90% CD	JA
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/01/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	08/22/23	100% CD REV PER PCC#2	RD
5	09/28/23	SURVEY SHEET ADD	MZ

FOR PERMITTING AND/OR CONSTRUCTION.



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
 ST119D_A

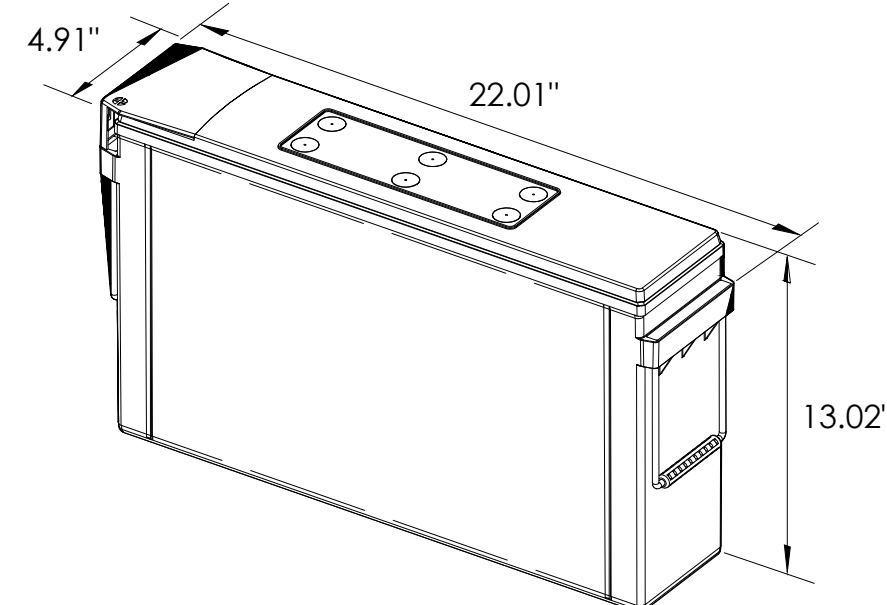
SITE ADDRESS:
 814 SONOMA AVE,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
 ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT



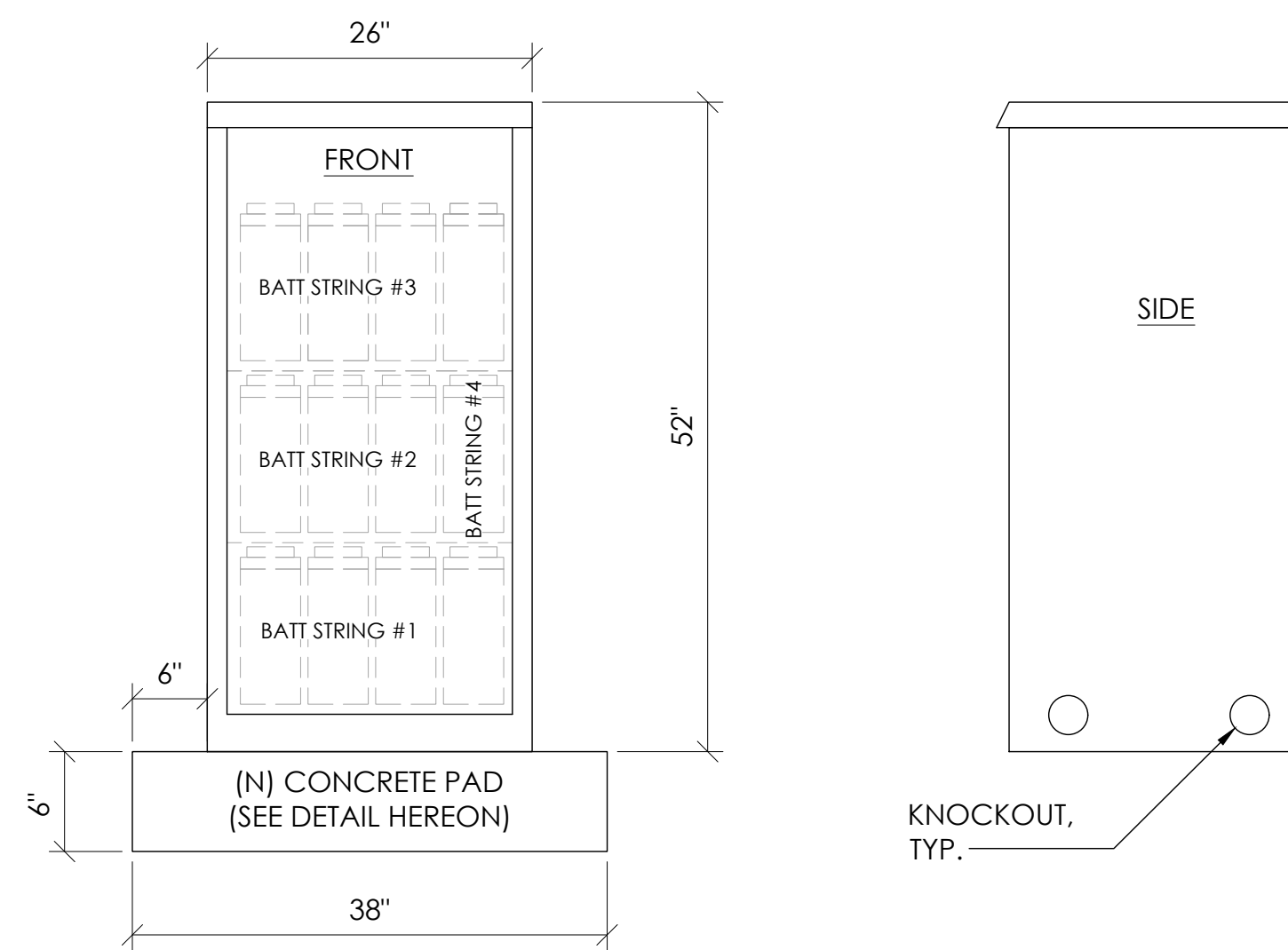
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG: ALPHA
MODEL: 210 FIX
HEIGHT: 13.02 IN
WIDTH: 4.91 IN
LENGTH: 22.01 IN
WEIGHT: 145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	12	12	210	2.52	30.24			2.1	25.2
TOTAL		12				30.24	70	CFC 2019 SECTION 1206 DOES NOT APPLY		25.2

7 BATTERY SPECIFICATIONS
N.T.S.

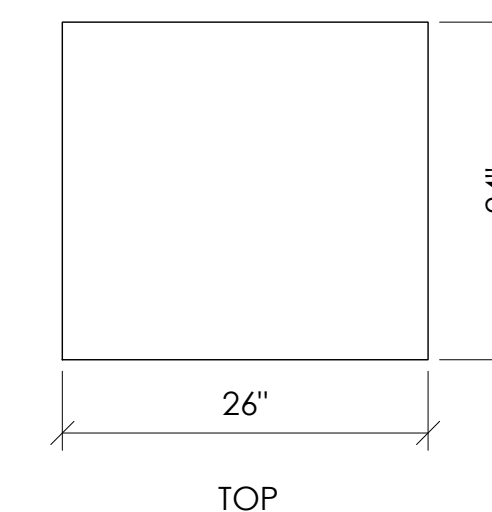


CABINET SPECIFICATIONS

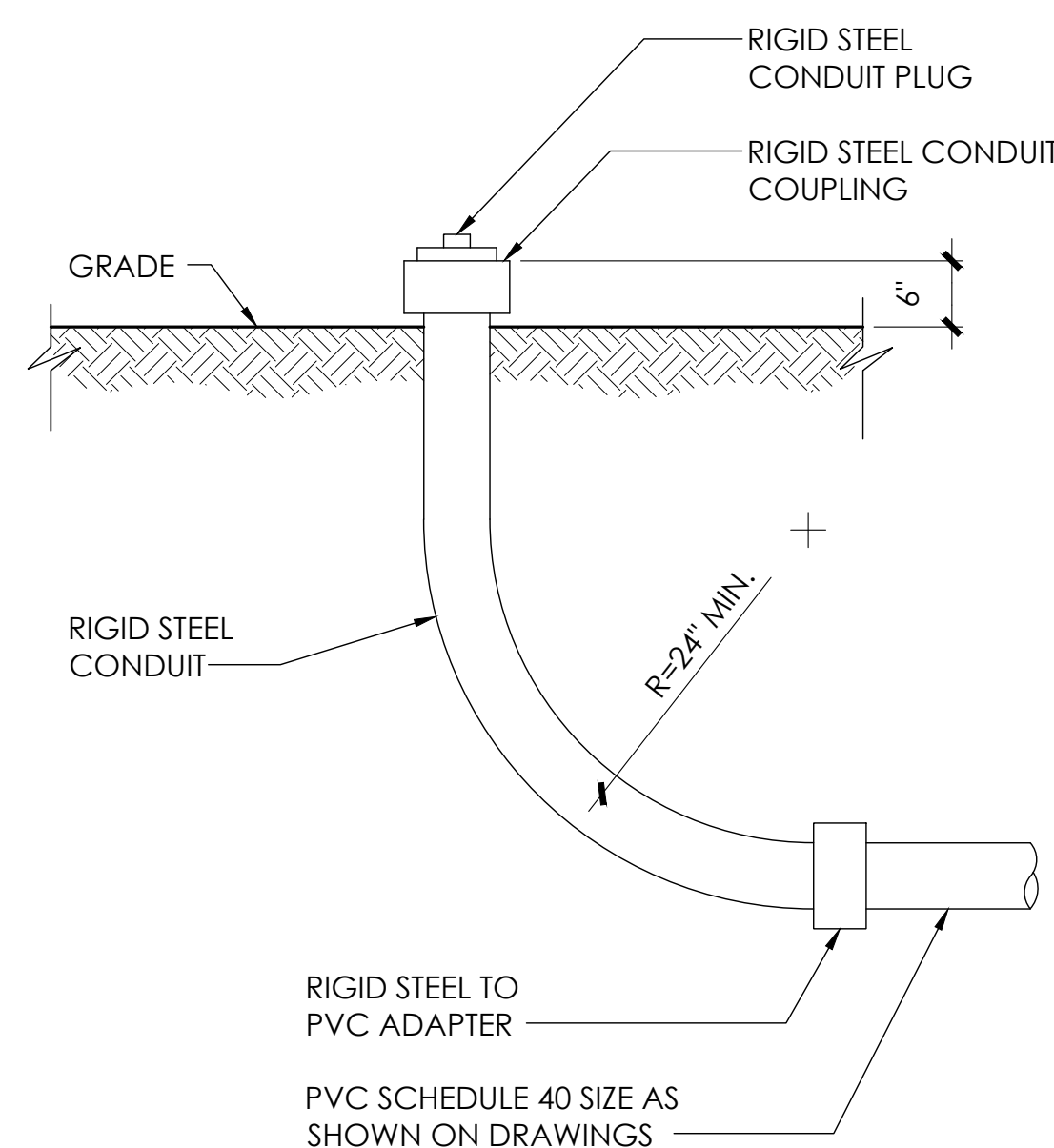
MANUFACTURER: ALPHA
MODEL: PN-4
HEIGHT: 52"
WIDTH: 26"
DEPTH: 24"
WEIGHT (EMPTY): 180 LBS.
WEIGHT (W/ BATTERIES): 1,920 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS



1 EQUIPMENT CABINET DETAIL
N.T.S.



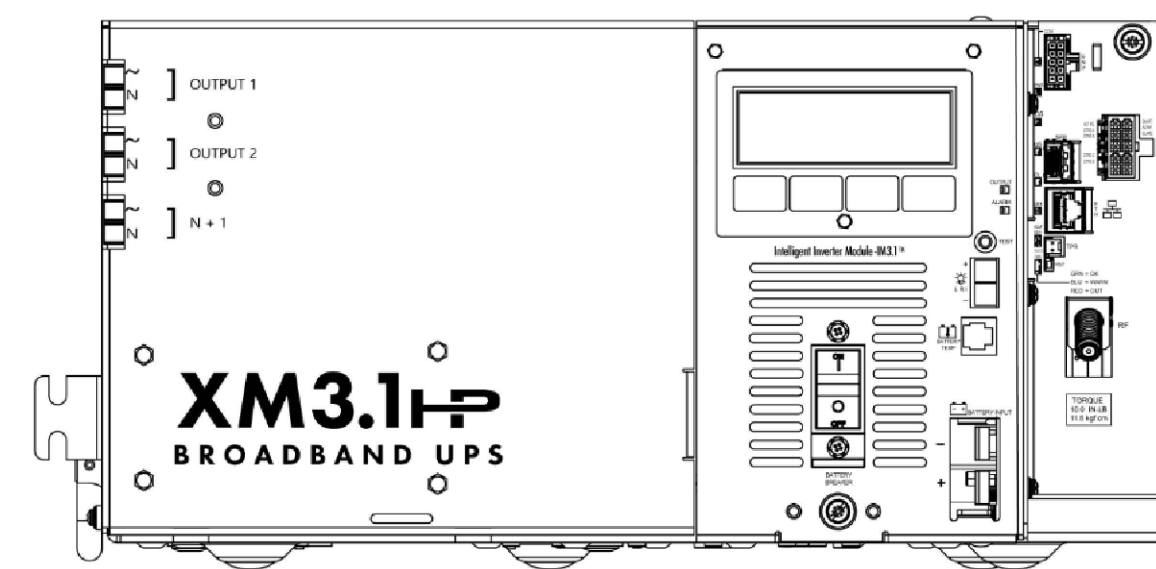
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

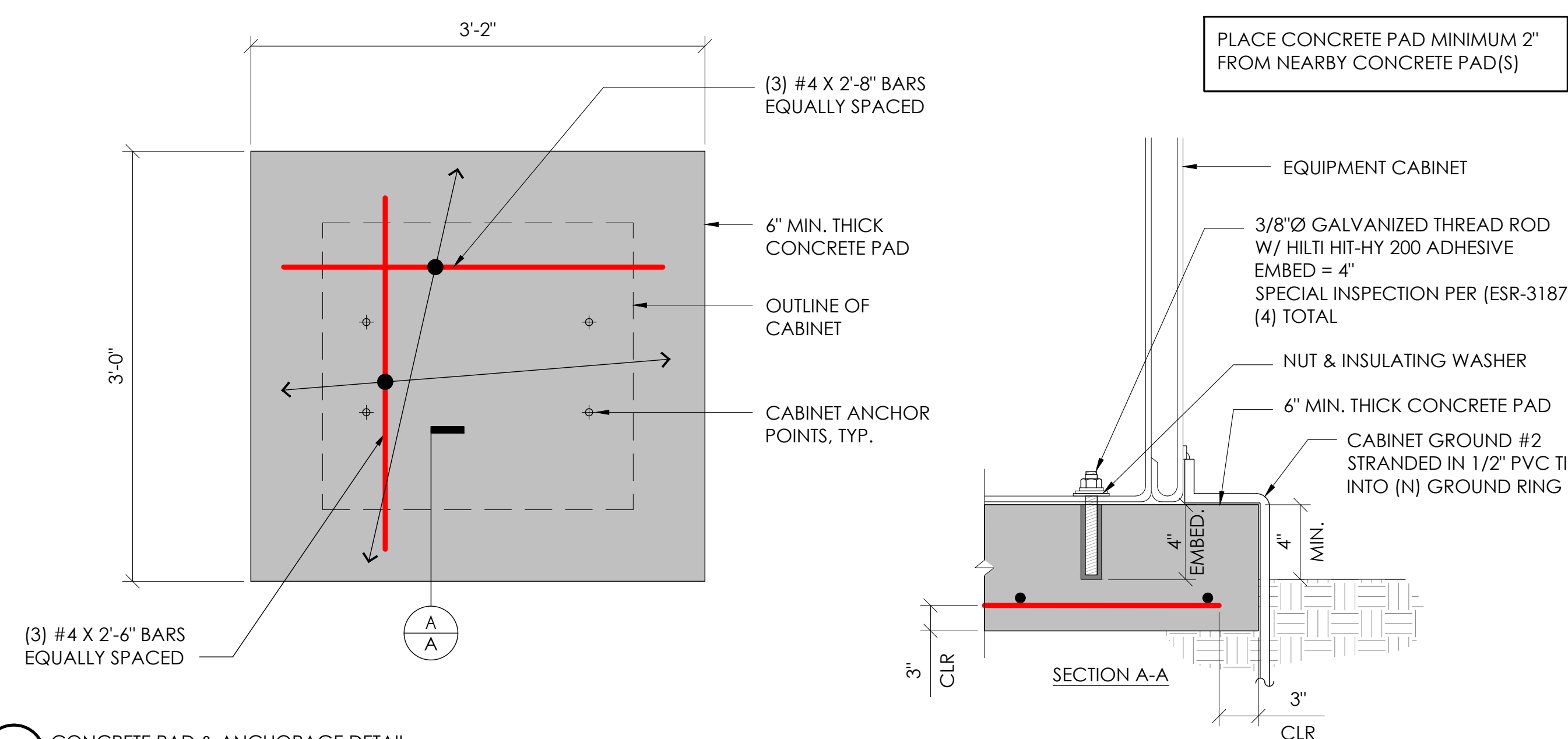
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG: ALPHA
MODEL: XM3.1-HP
HEIGHT: 7.76 IN
WIDTH: 16.43 IN
DEPTH: 10.57 IN
WEIGHT: 61 LBS

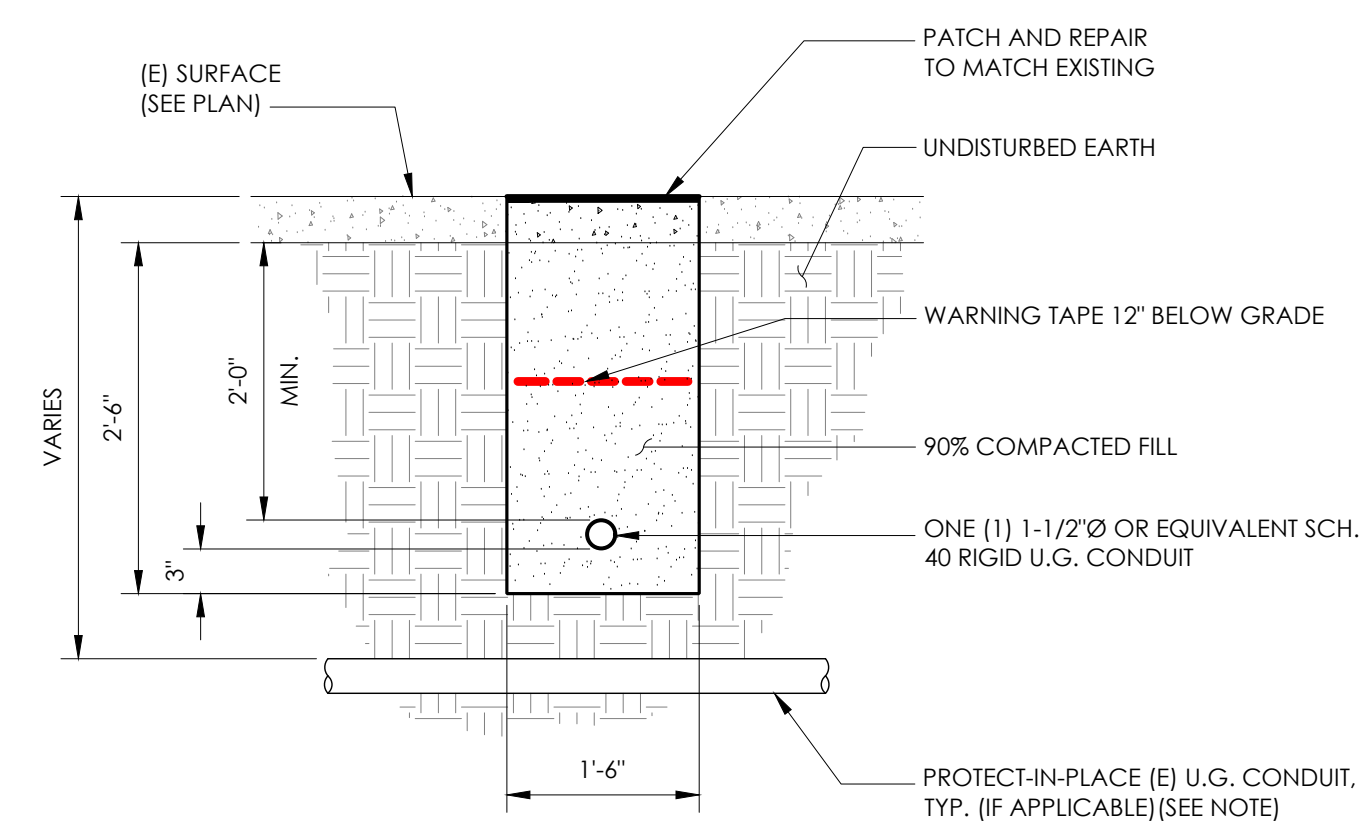


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

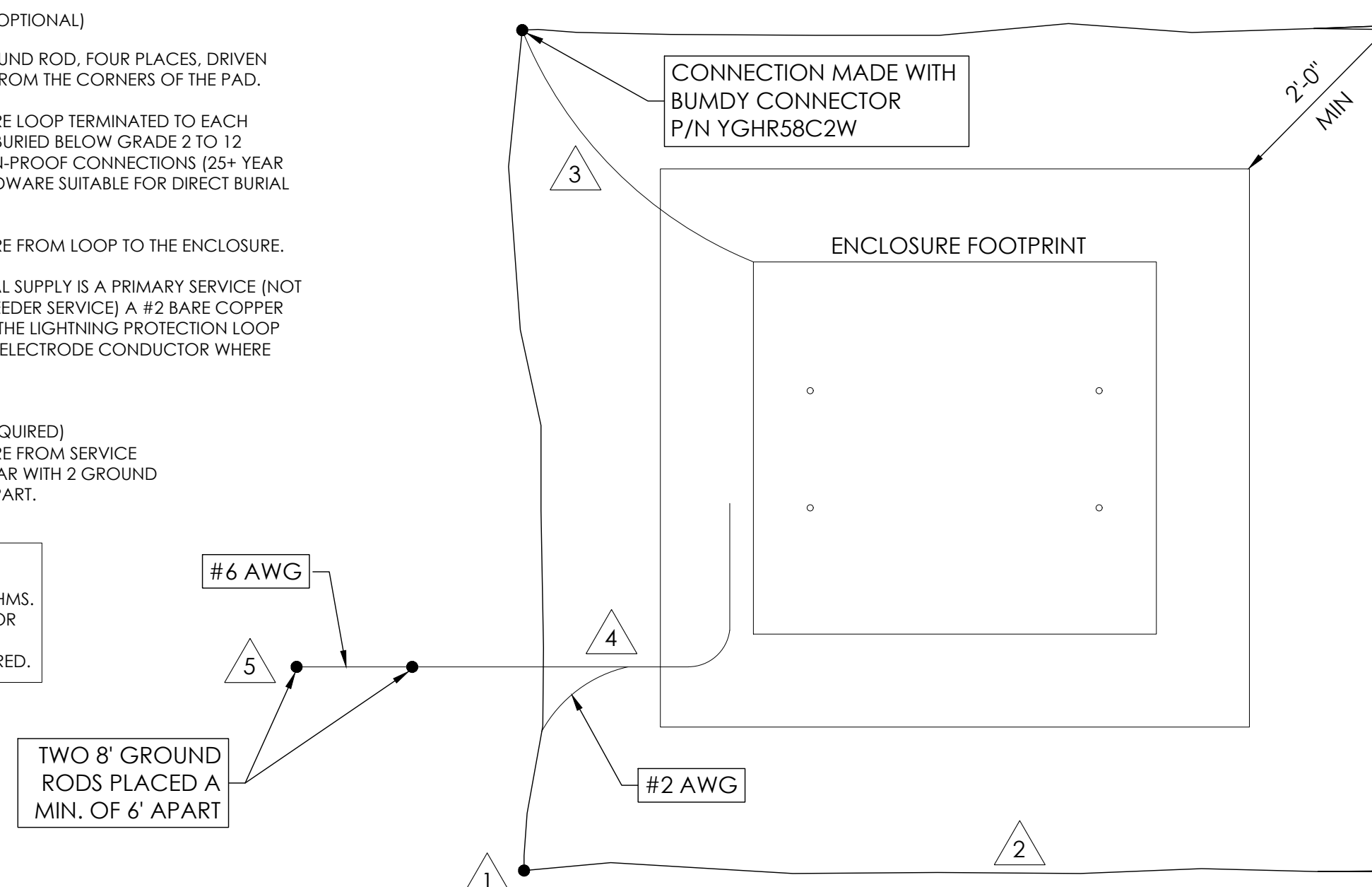
LIGHTNING PROTECTION (OPTIONAL)

- 1/2x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

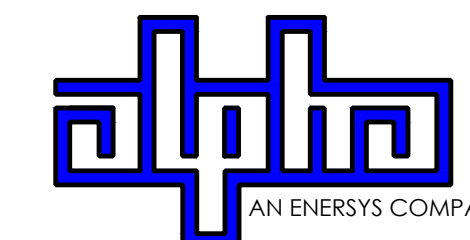
SERVICE GROUNDING (REQUIRED)
#6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6" APART.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



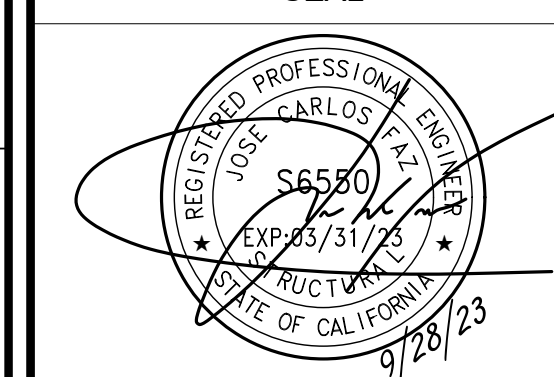
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058749

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	NA
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/01/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	08/22/23	100% CD REV PER PCC#2	RD
5	09/26/23	SURVEY SHEET ADD	MZ

SEAL



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SITE INFORMATION

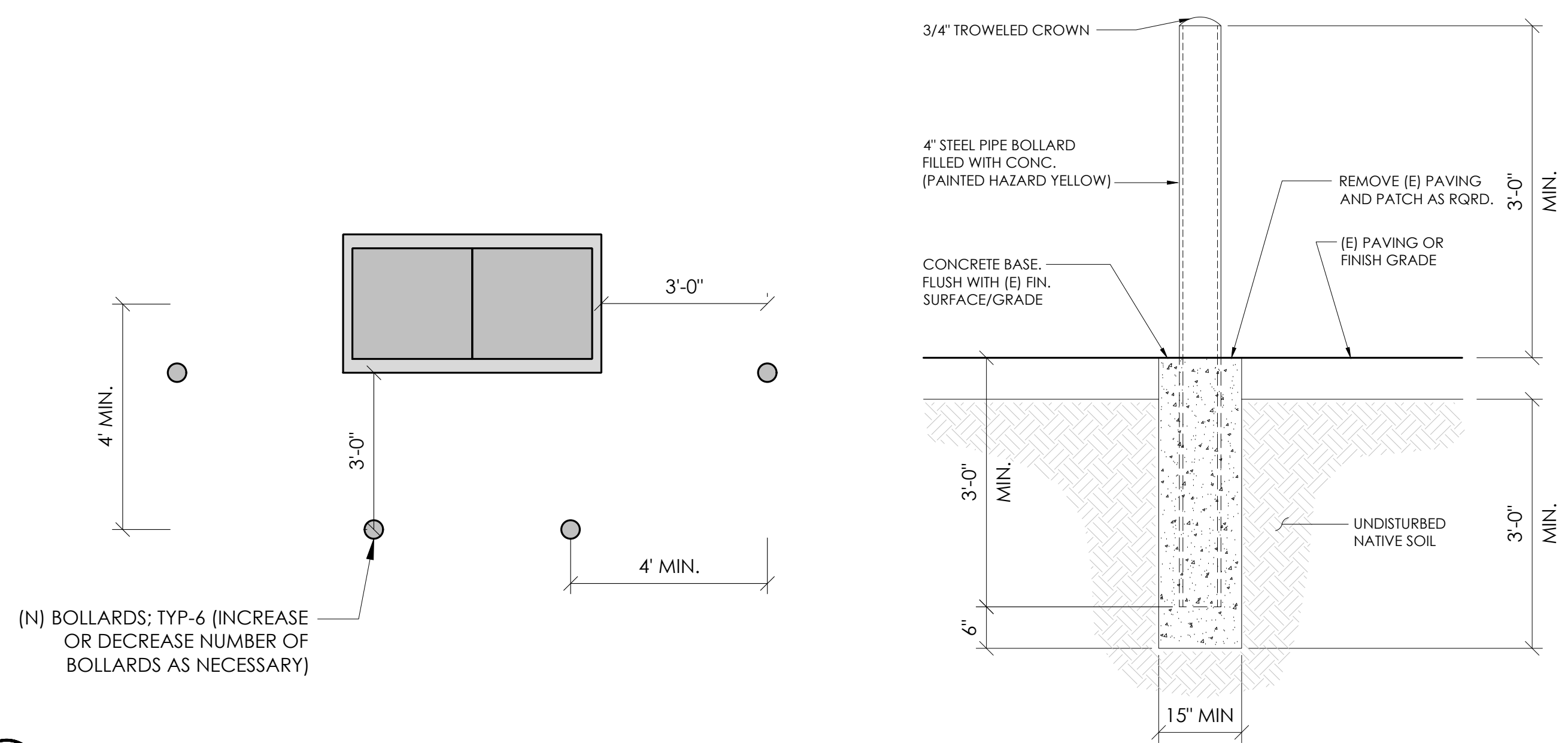
SITE ID:
ST119D_A

SITE ADDRESS:
814 SONOMA AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

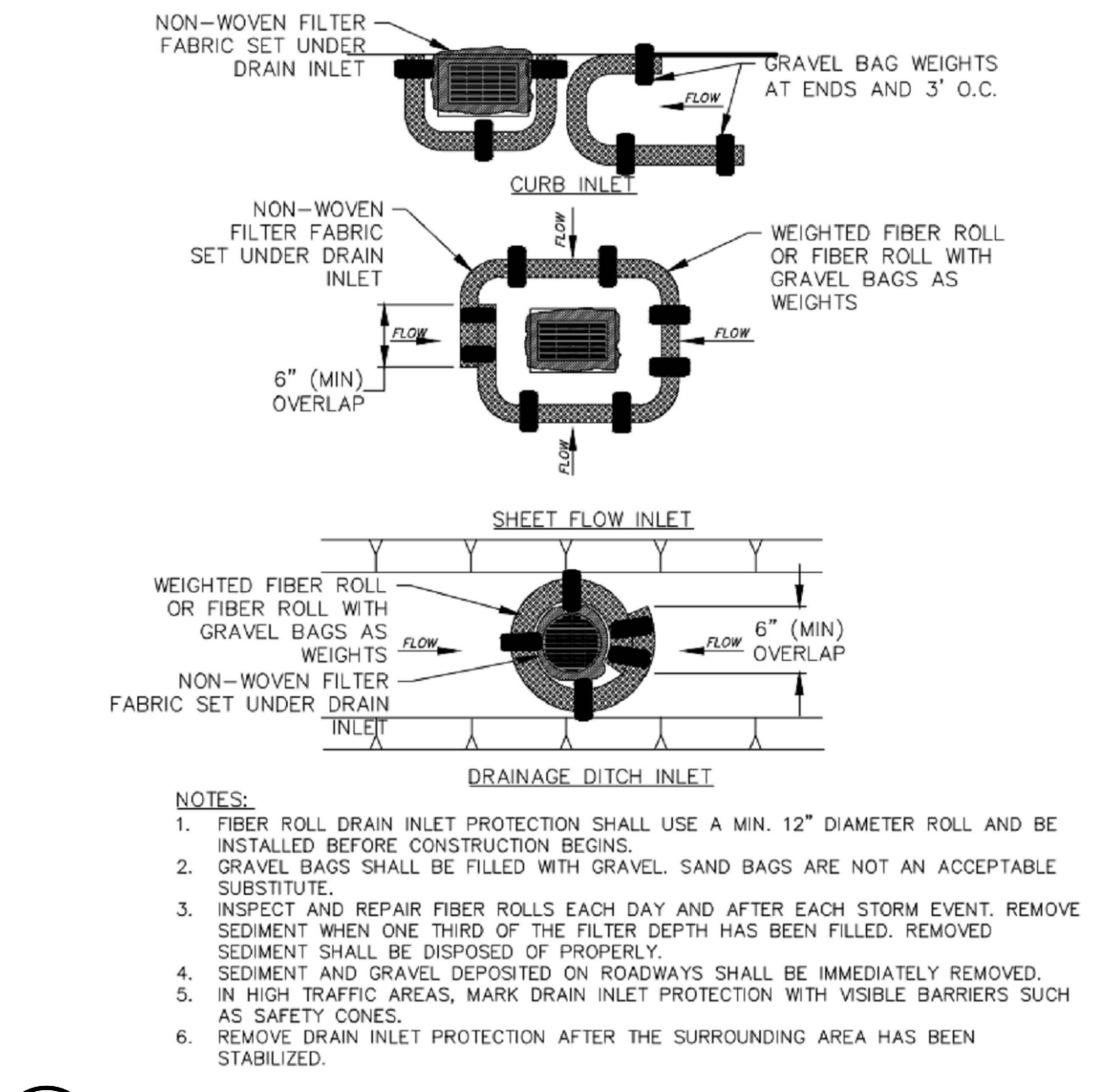
DETAILS

D1



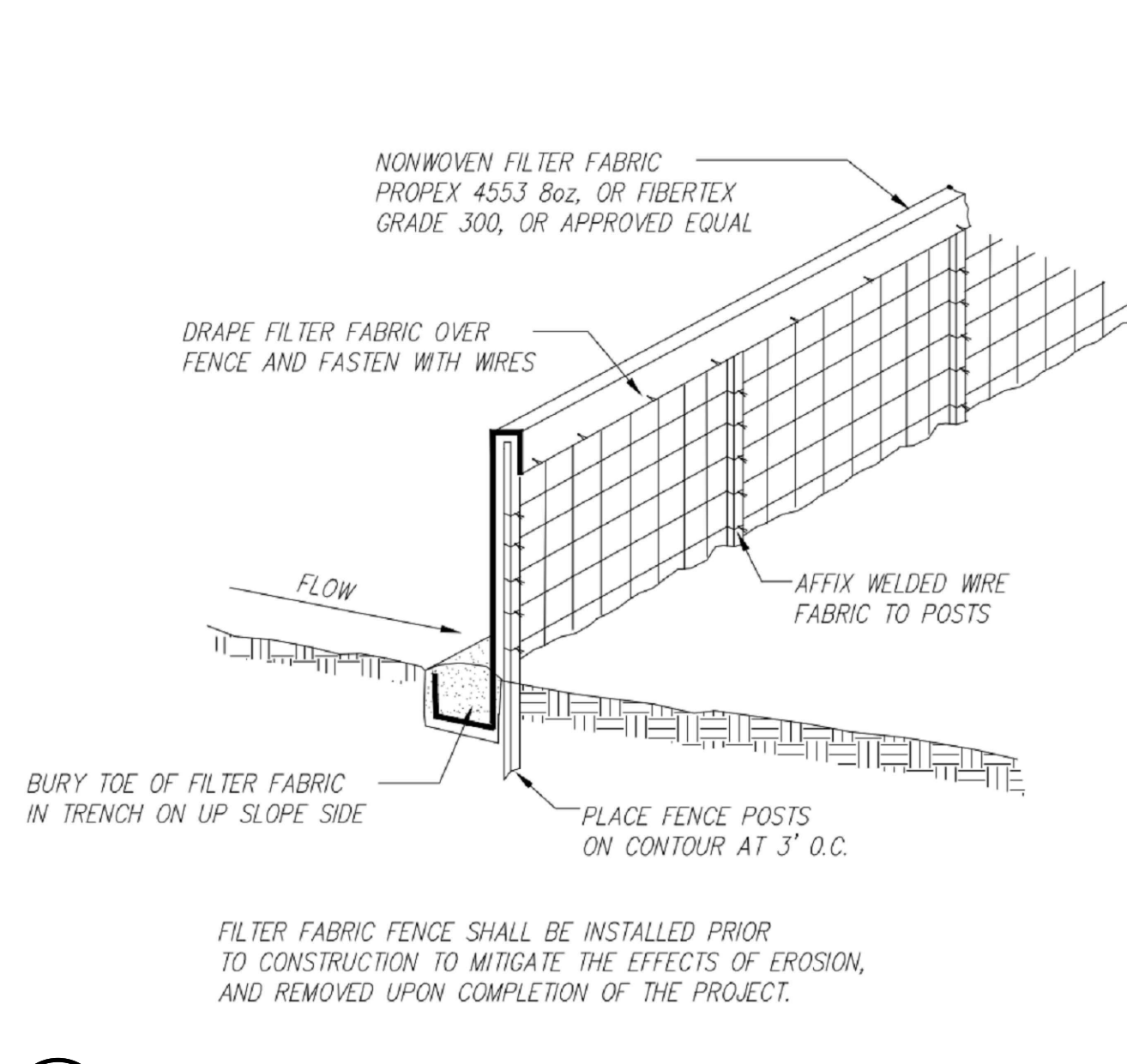
(N) BOLLARDS; TYP-6 (INCREASE OR DECREASE NUMBER OF BOLLARDS AS NECESSARY)

10 BOLLARD DETAIL
N.T.S.

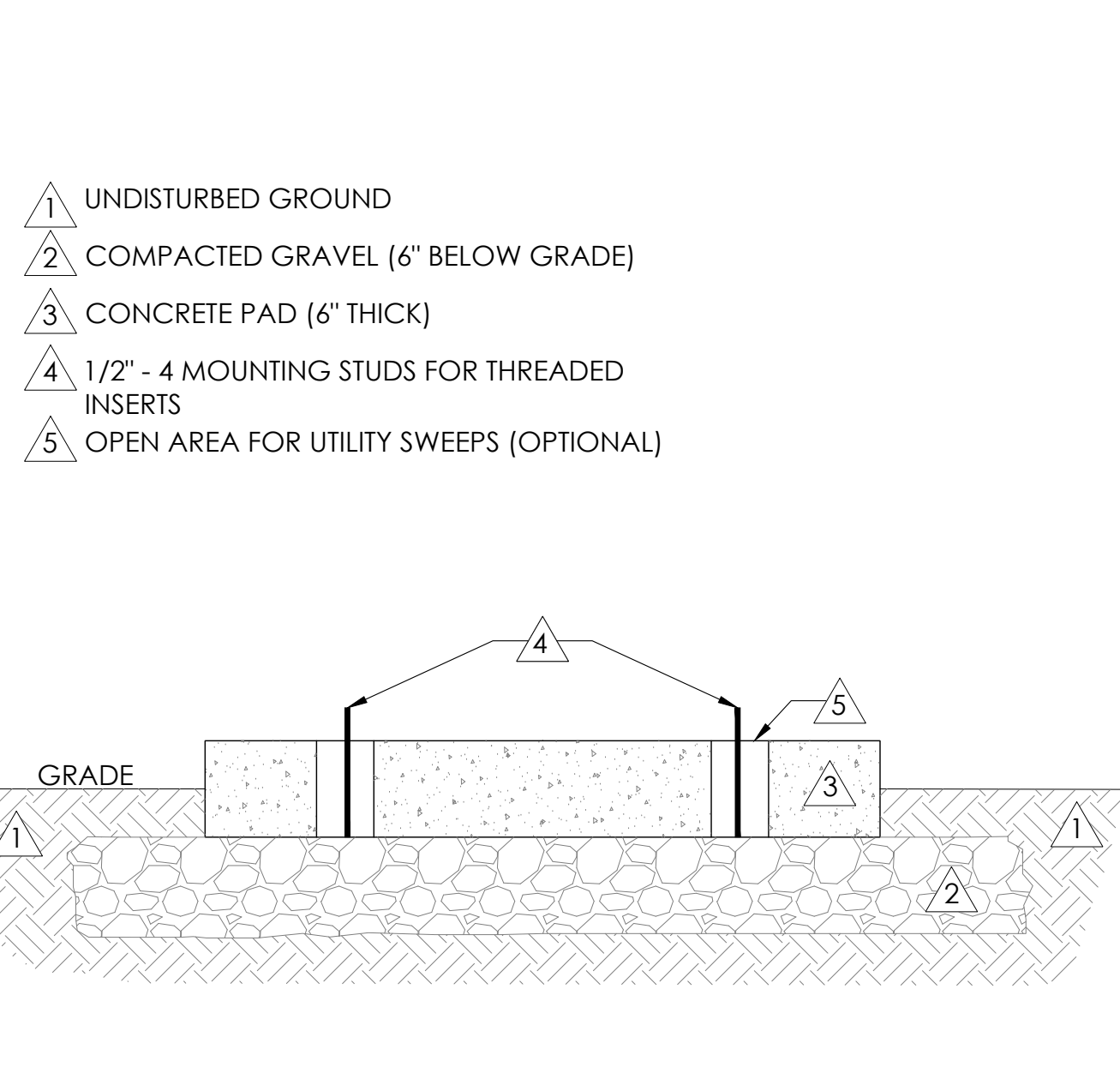


- NOTES:
1. FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
 2. GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
 3. INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
 4. SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
 5. IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
 6. REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

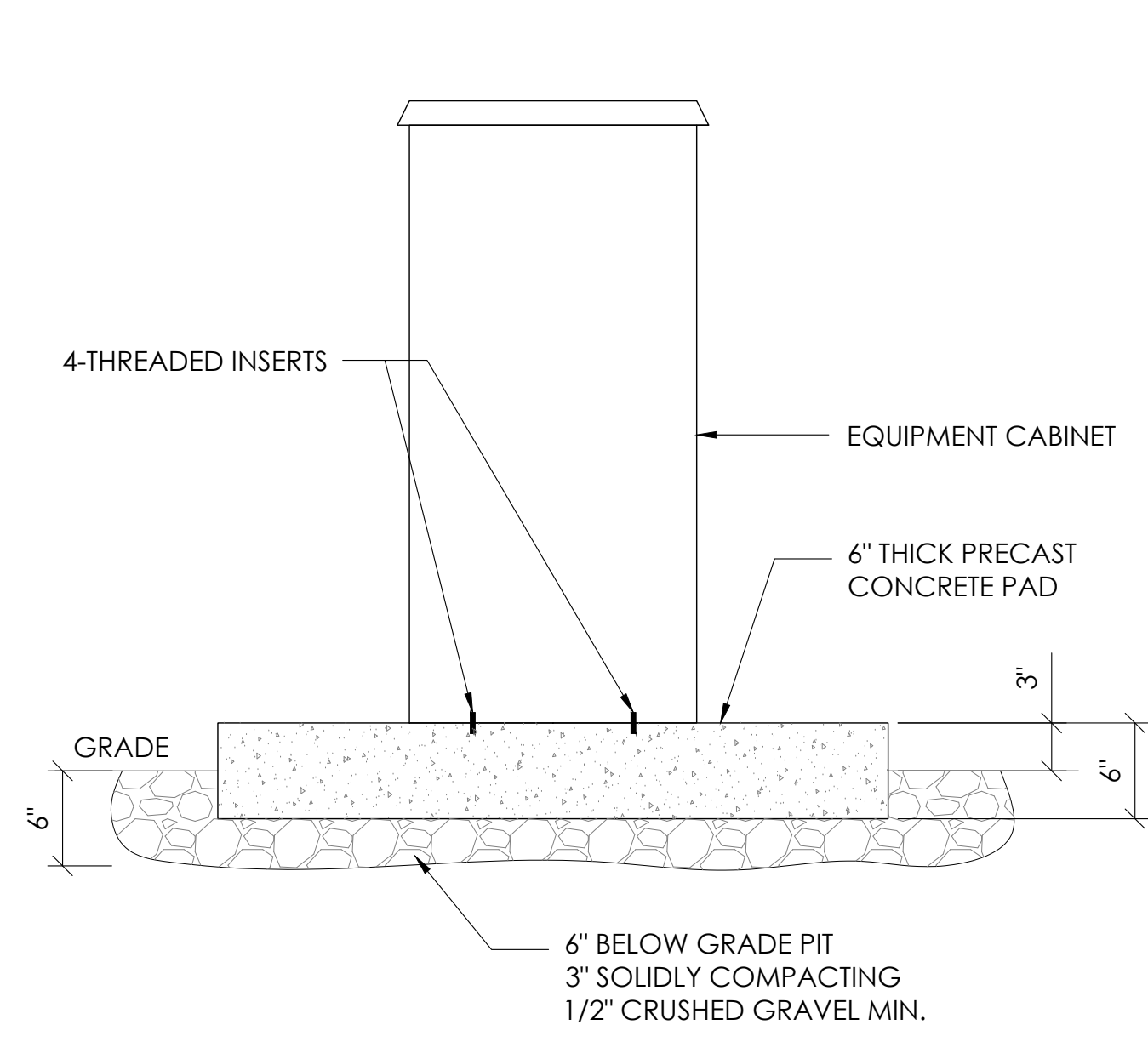
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



1 EROSION CONTROL FENCING
N.T.S.



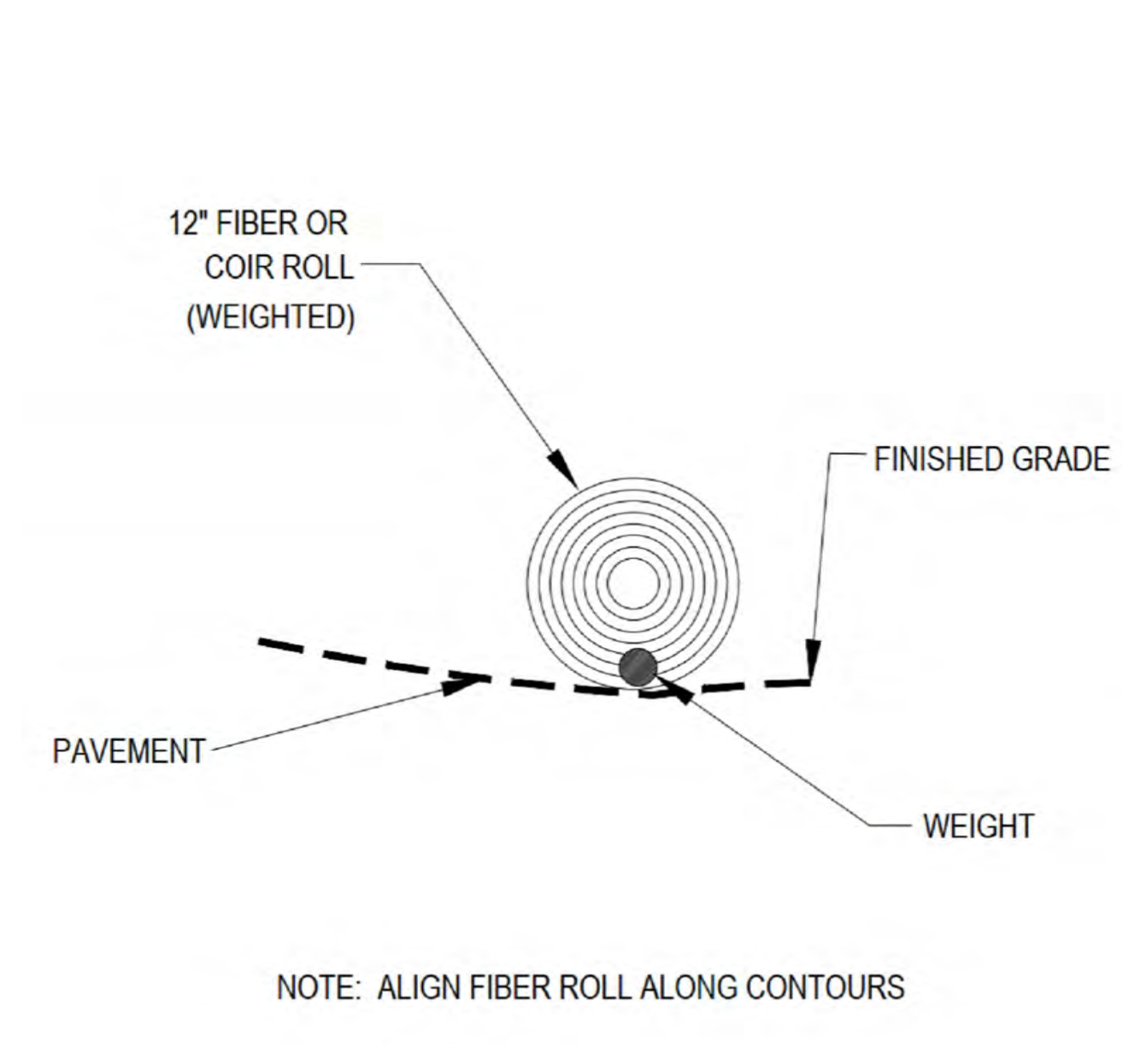
11 FOUNDATION BASE FOR PN4
N.T.S.



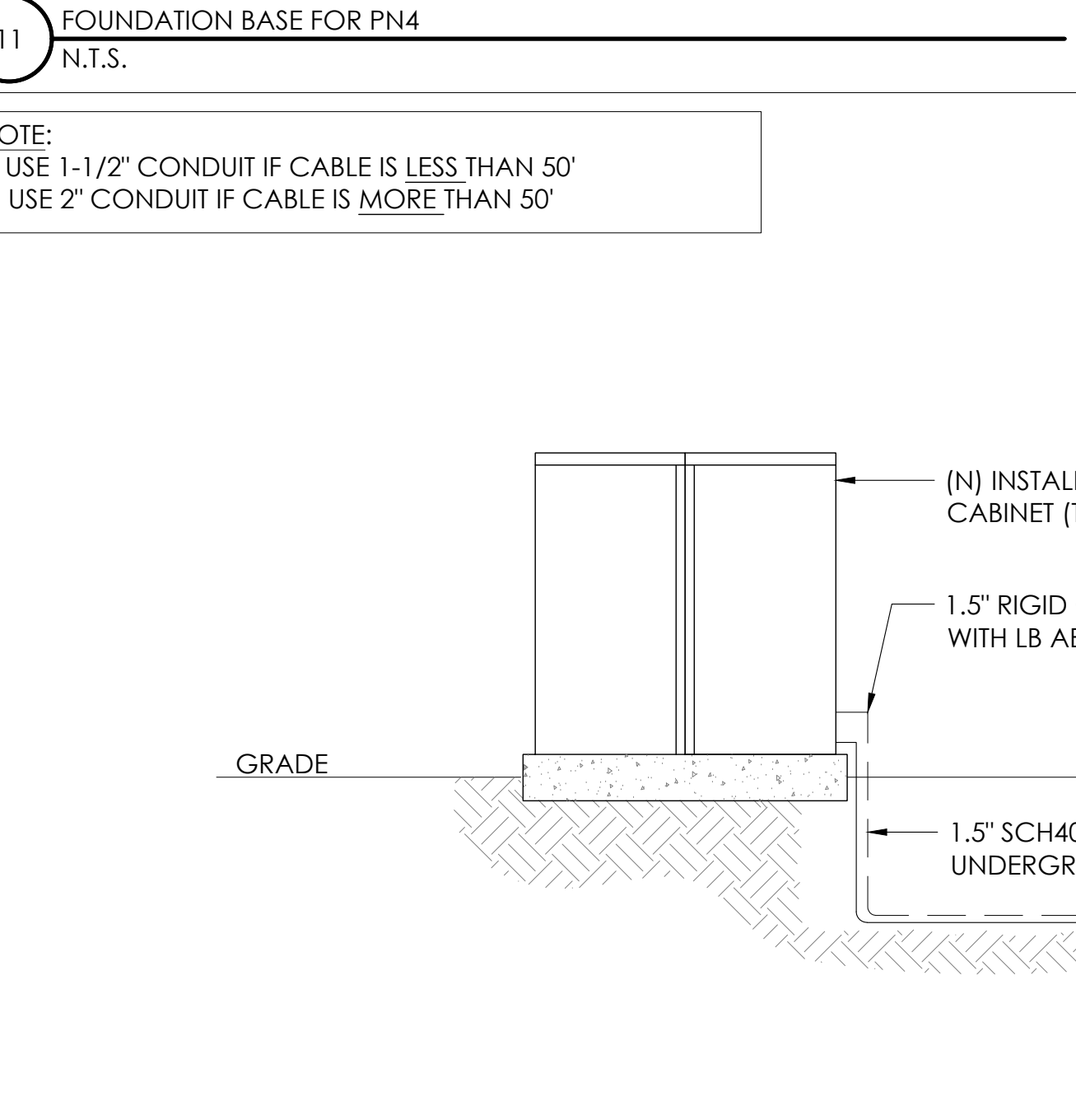
8 P4 CABINET INSTALLATION
N.T.S.



5 NOT USED
N.T.S.

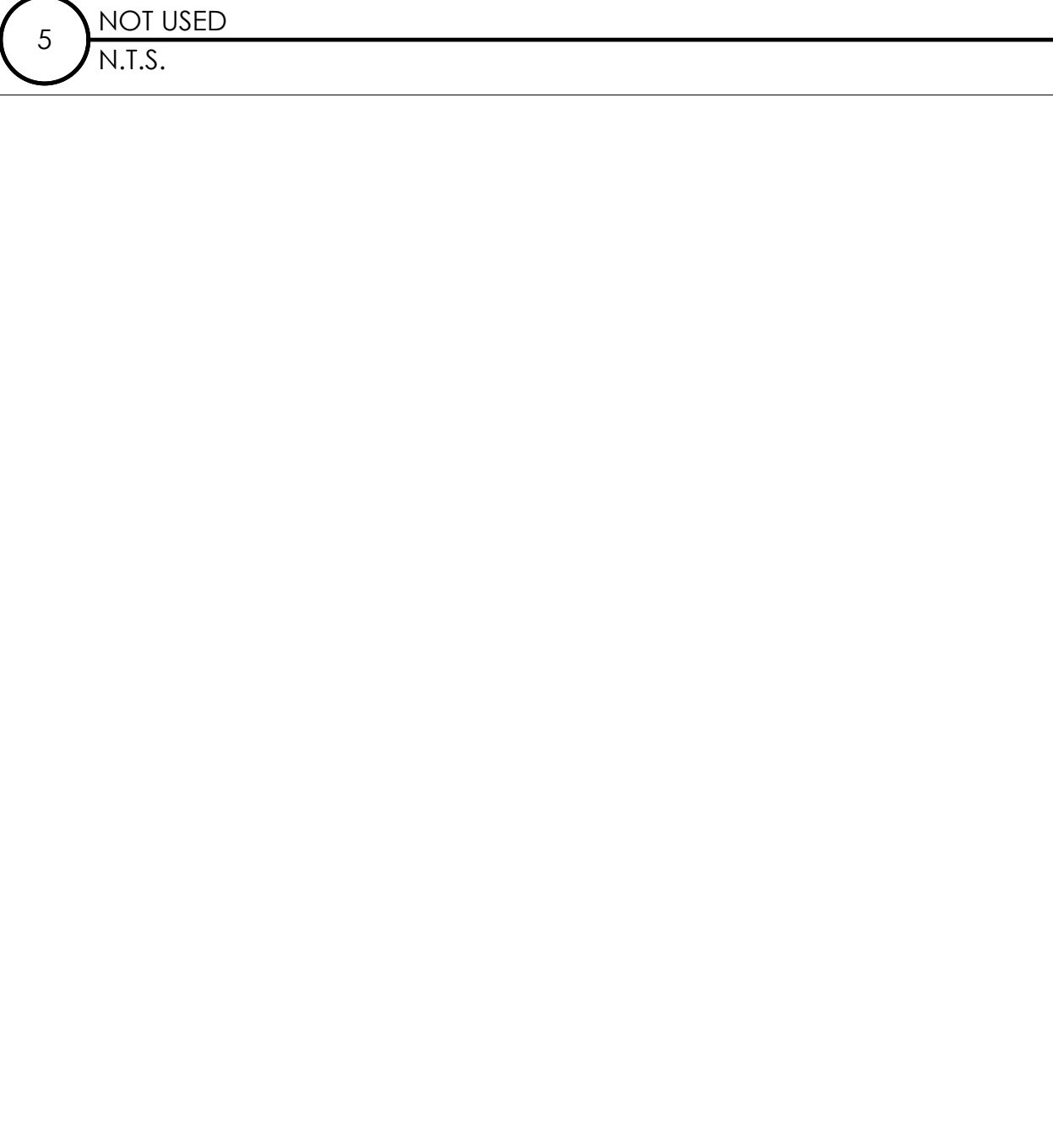


2 WEIGHTED COIR LOGS
N.T.S.

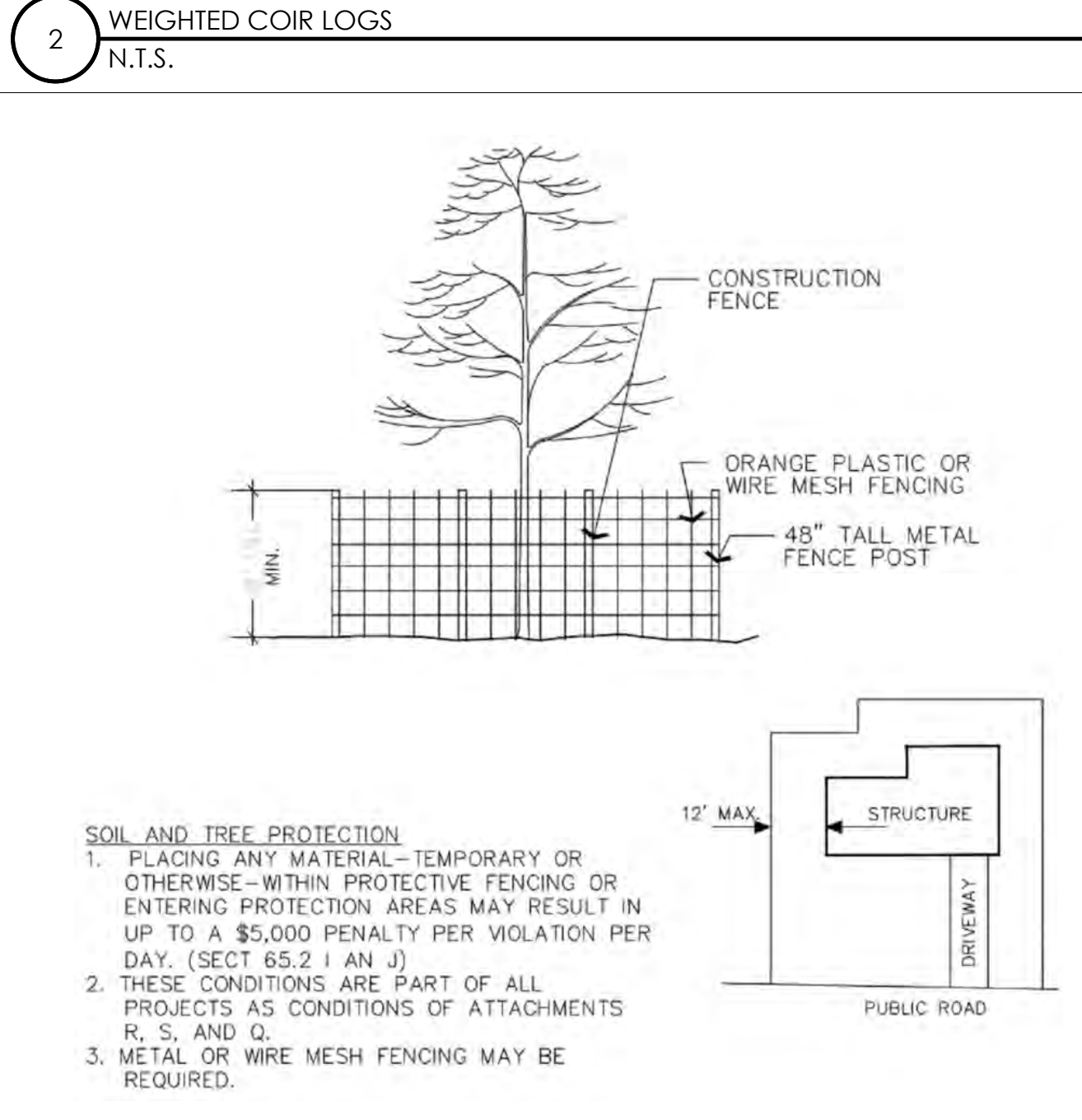


- NOTE:
1. USE 1-1/2" CONDUIT IF CABLE IS LESS THAN 50'
 2. USE 2" CONDUIT IF CABLE IS MORE THAN 50'

12 CONDUIT TO CABINET INSTALLATION
N.T.S.



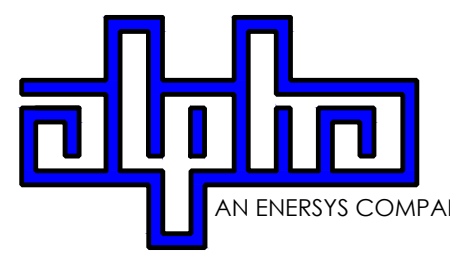
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

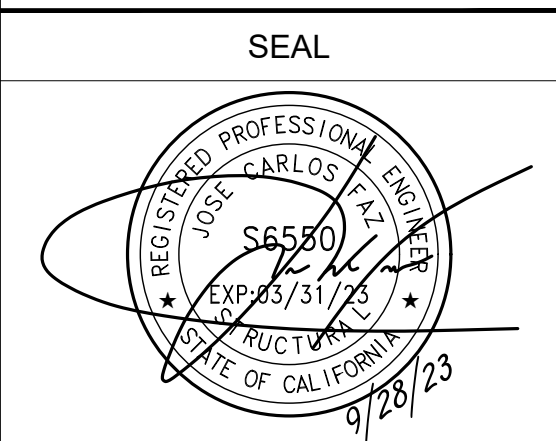


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058749

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	NA
B	08/12/21	90% CD	JA
0	08/28/21	100% CD	TT
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2	12/01/22	100% CD REV PER PCC#1	LG
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4	08/22/23	100% CD REV PER PCC#2	RD
5	09/28/23	SURVEY SHEET ADD	MZ



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SITE INFORMATION

SITE ID:
ST119D_A

SITE ADDRESS:
814 SONOMA AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

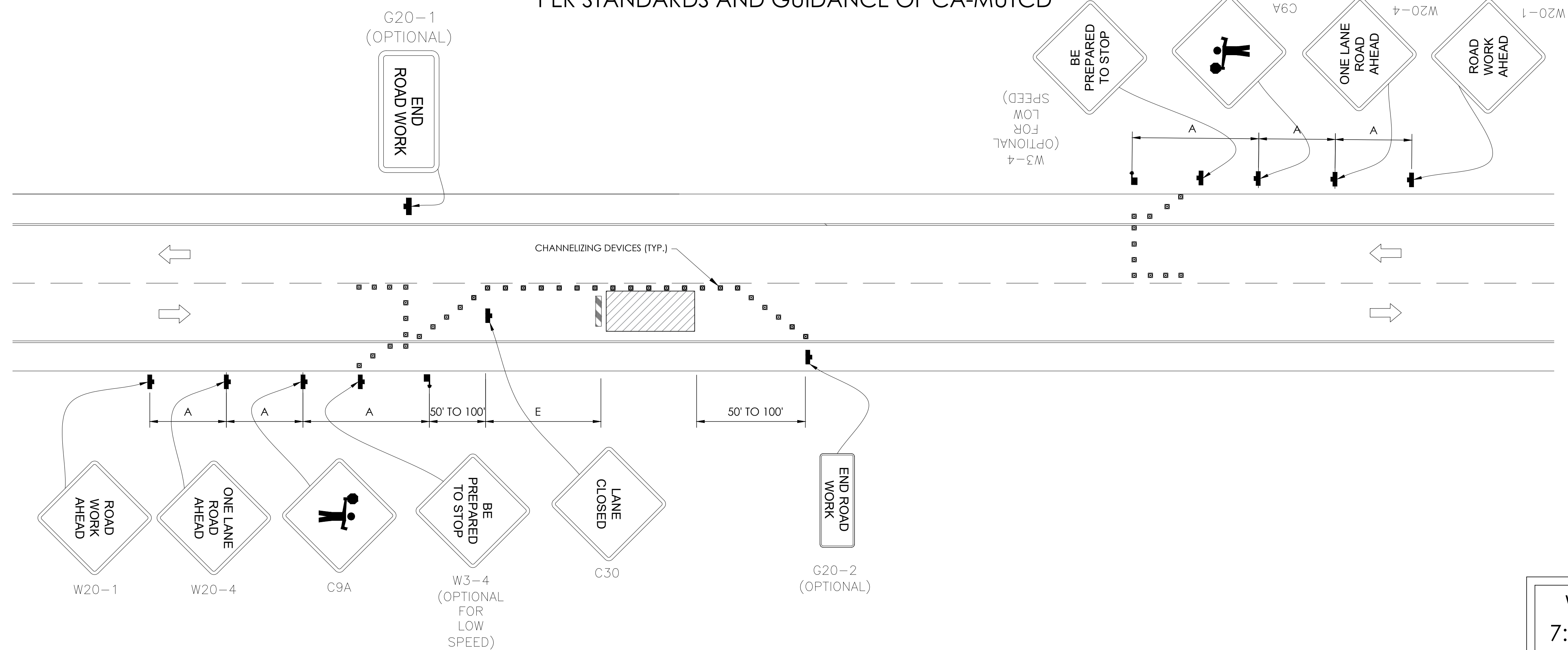
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

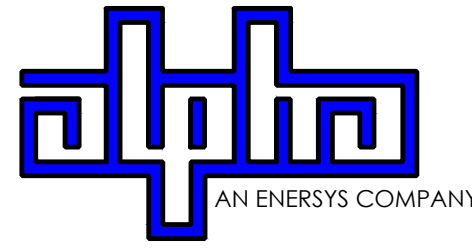
GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058749

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	NA
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
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2	12/01/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	05/22/23	100% CD REV PER PCC#2	RD
5	09/26/23	SURVEY SHEET ADD	MZ

SEAL

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SITE INFORMATION

SITE ID:
ST119D_A

SITE ADDRESS:
814 SONOMA AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



2Li SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (24) (N) LITHIUM LI BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

LOCATION MAP



SITE ID: ST114A_

SITE ADDRESS:
888 PARK AVENUE,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	888 PARK AVENUE SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.95730664, -119.9488967
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	NV ENERGY
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	90
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	10
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	PROPOSED COVERAGE (CLASS 1B) = 12 SF
CUT/FILL VOLUME:	3 C.Y.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069674

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RE
0	12/27/21	100% CD	IK
1	12/01/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	09/25/23	SURVEY SHEET ADDED	MZ

NOTE

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 1 AND 2, SHEET D2.

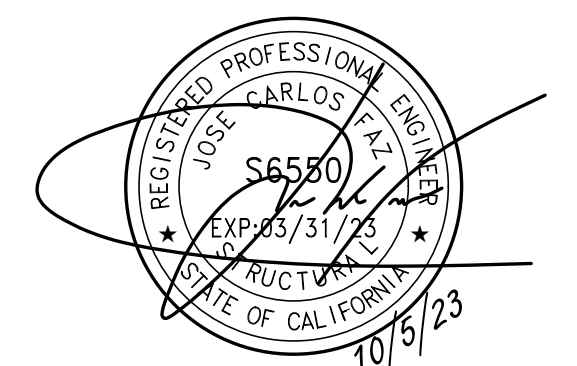
DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		

SEAL



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CODE COMPLIANCE

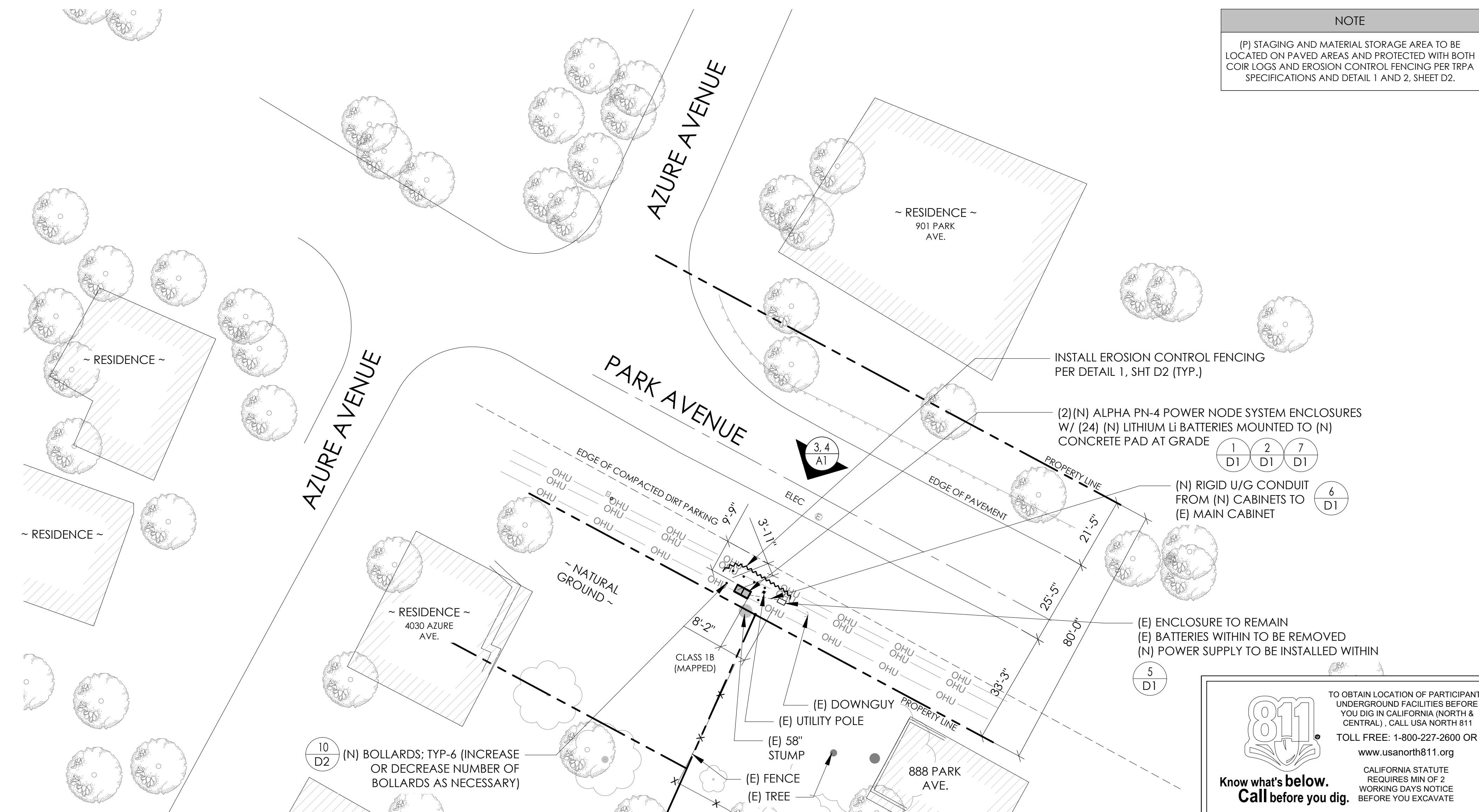
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
- PART 1 - CALIFORNIA ADMINISTRATIVE CODE
- PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
- PART 5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
- PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
- PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 INTERNATIONAL MECHANICAL CODE
- PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
- PART 6 - CALIFORNIA ENERGY CODE
- PART 7 - VACANT
- PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
- PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
- PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
- PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
- PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
- 2. ANSII/A-222 (REV H)
- 3. 2018 NFPA 101, LIFE SAFETY CODE
- 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
- 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"

SITE INFORMATION

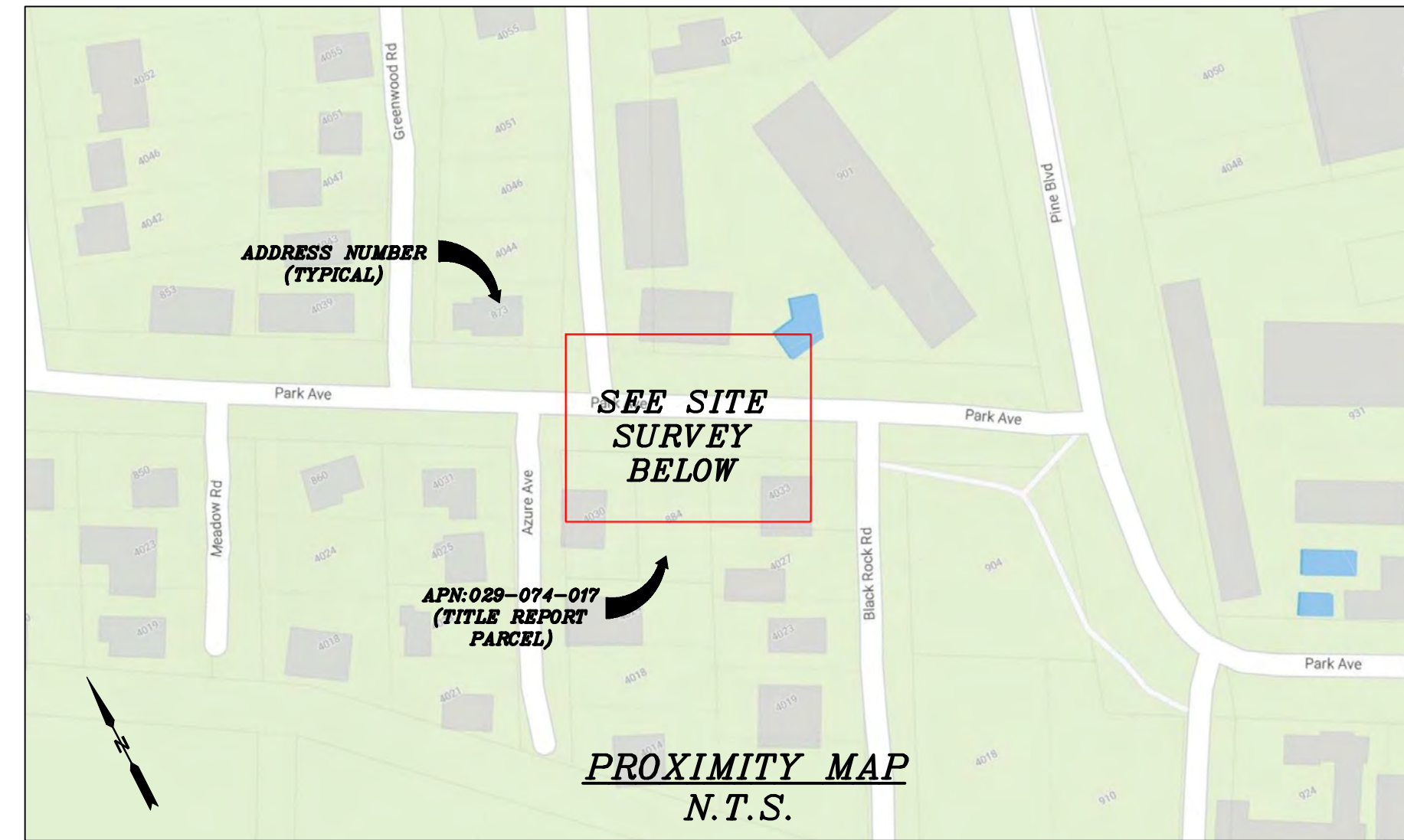
SITE ID:
ST114A_

SITE ADDRESS:
888 PARK AVENUE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

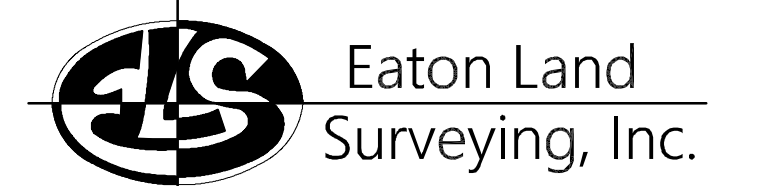
TITLE SHEET

T1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/21/23	SUBMITTAL



PROJECT INFORMATION:
ST114A
888 PARK AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/24/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

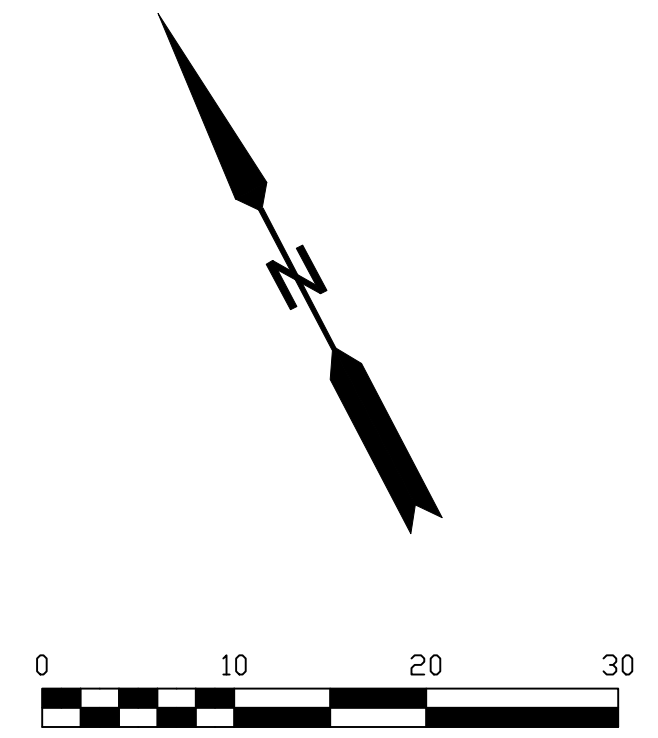
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "AE". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

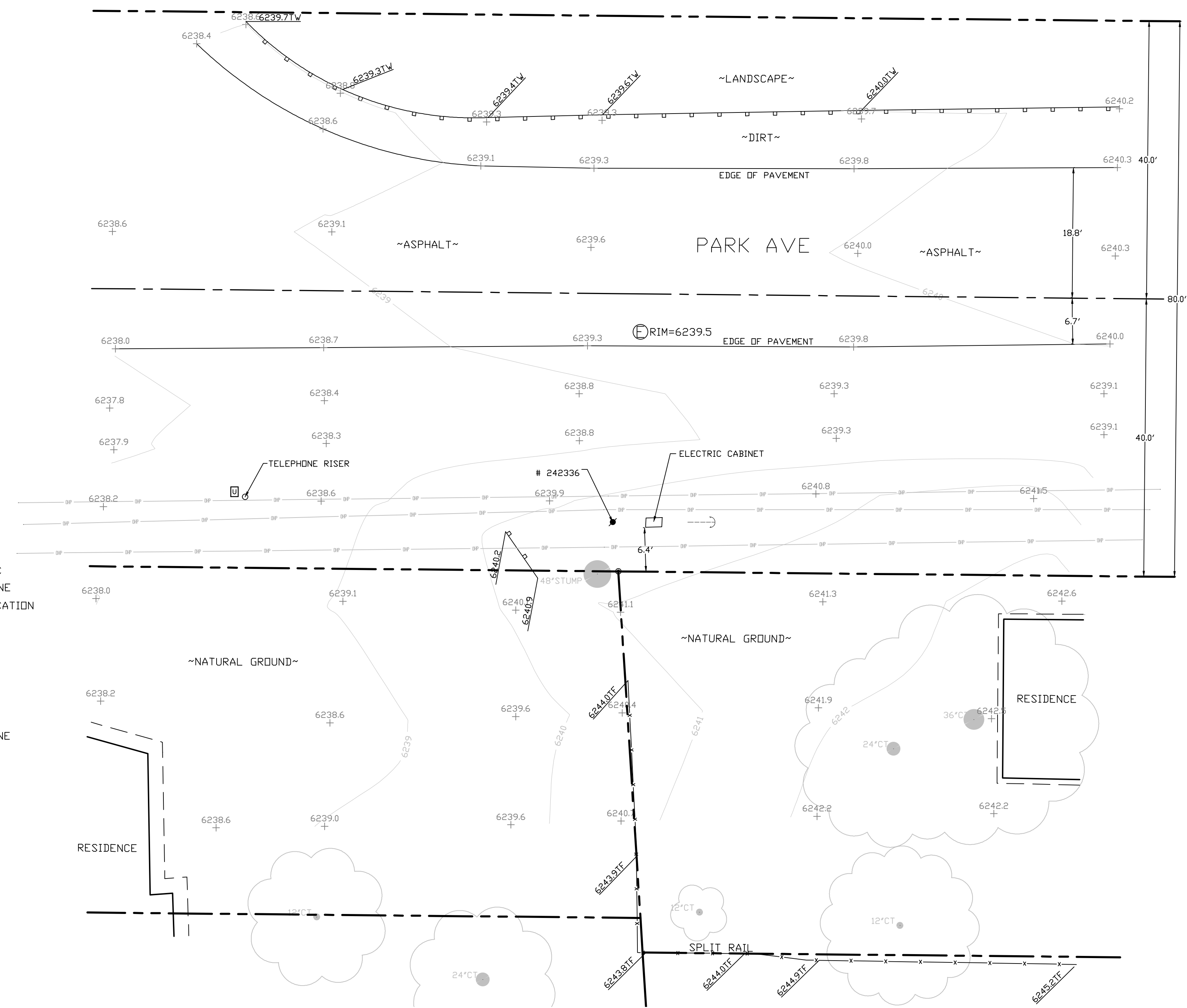
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 31 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 029-074-017 AND 029-074-018
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032285 DATED 08/31/2023;

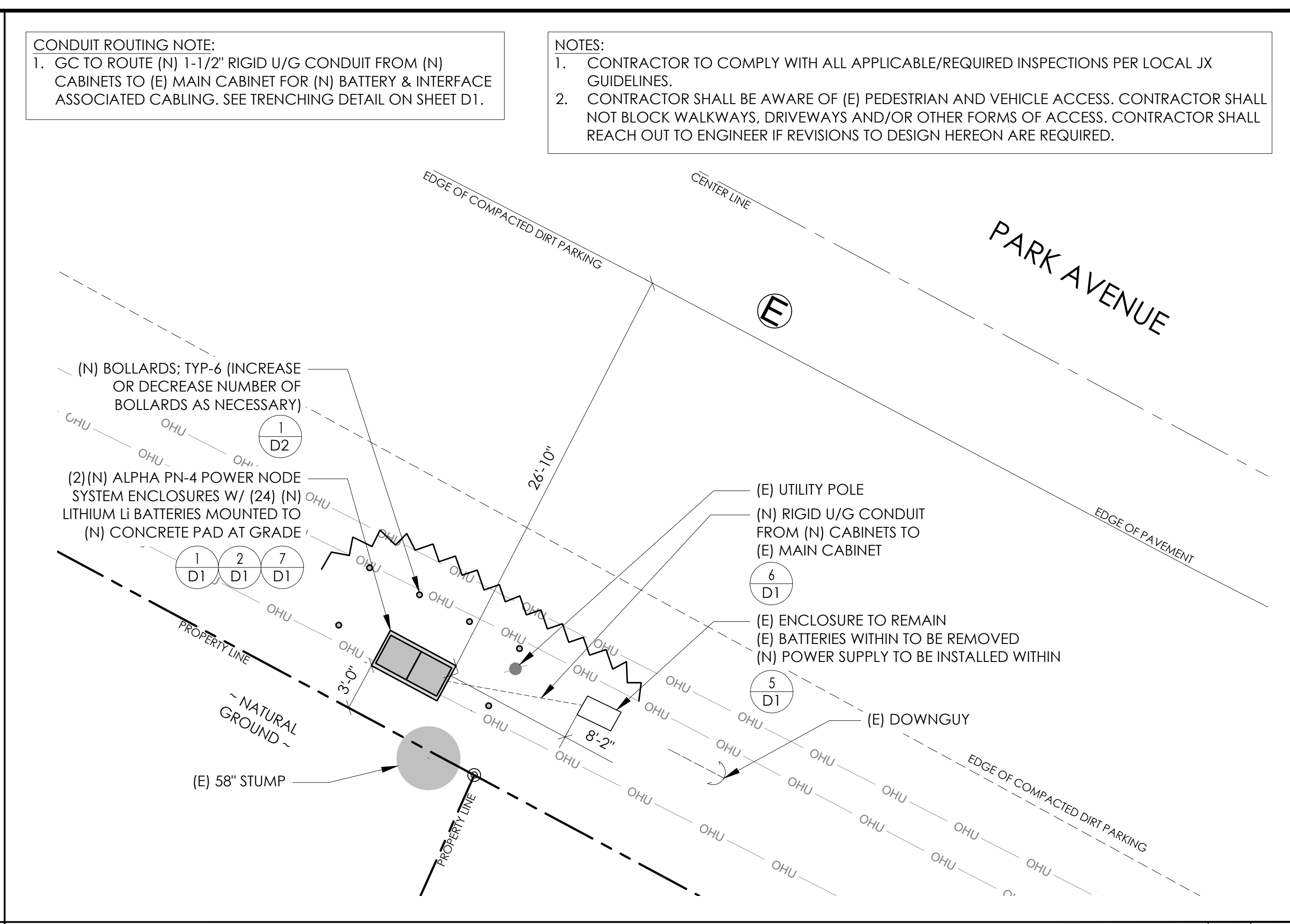
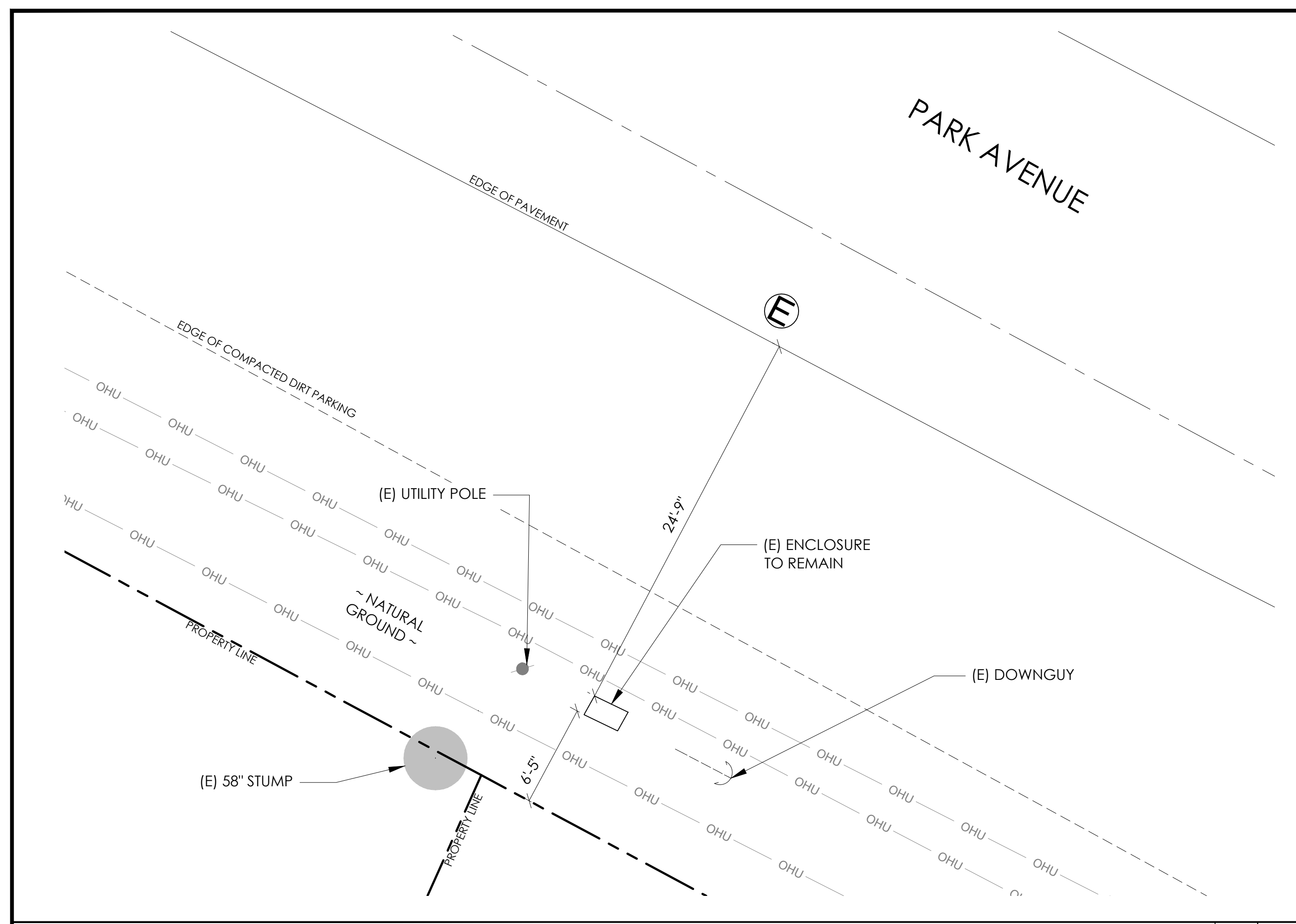


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - FOUND MONUMENT



SITE SURVEY
SCALE 1"=10'



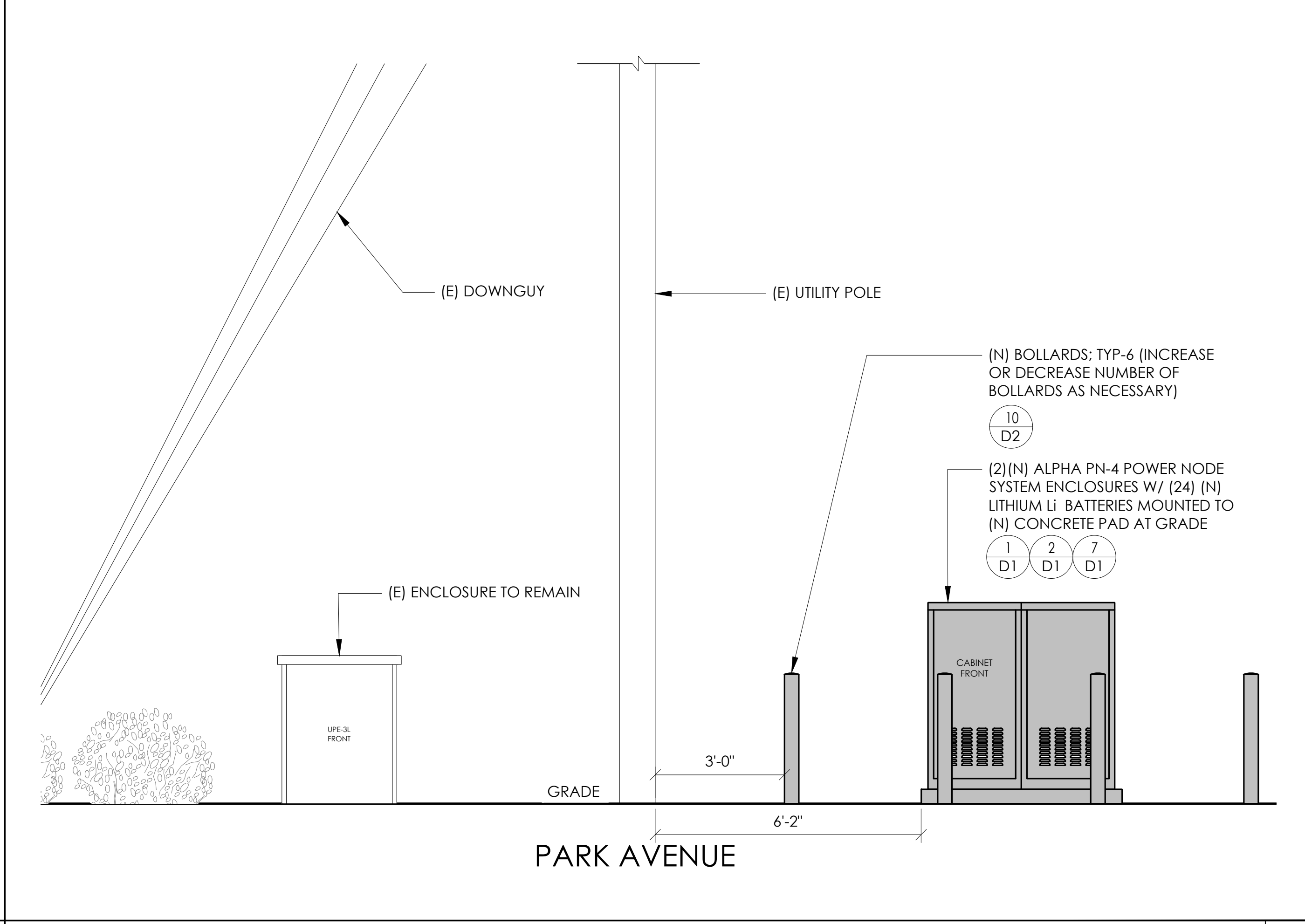
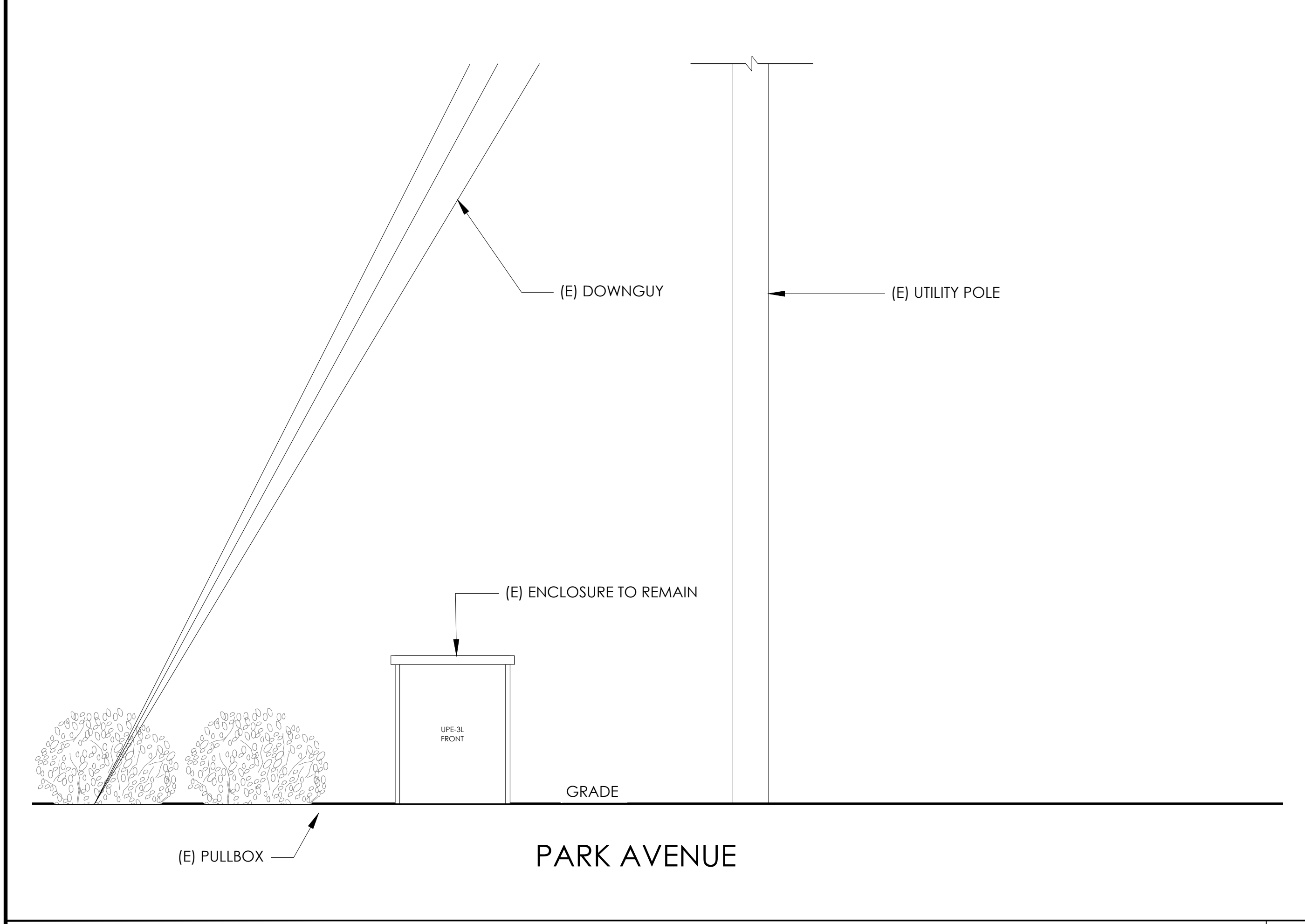


CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2\"/>

NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 3/16" = 1'-0" 11"x17" SCALE: 3/32" = 1'-0" NORTH 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 3/16" = 1'-0" 11"x17" SCALE: 3/32" = 1'-0" NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" NORTH 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" NORTH 3

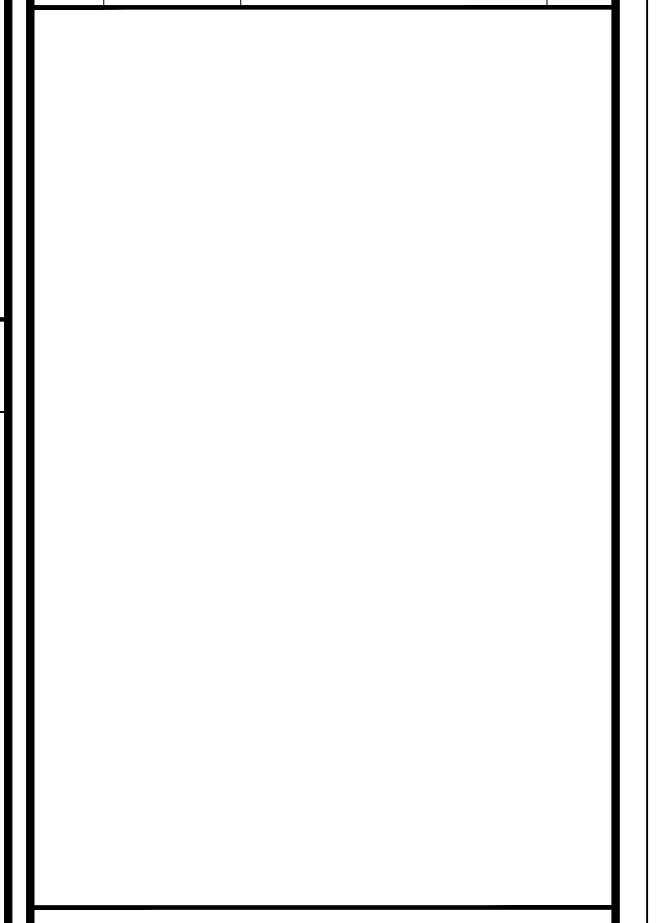
Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069674

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/08/21	90% CD	RE
0	12/27/21	100% CD	IK
1	12/01/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	09/25/23	SURVEY SHEET ADDED	MZ

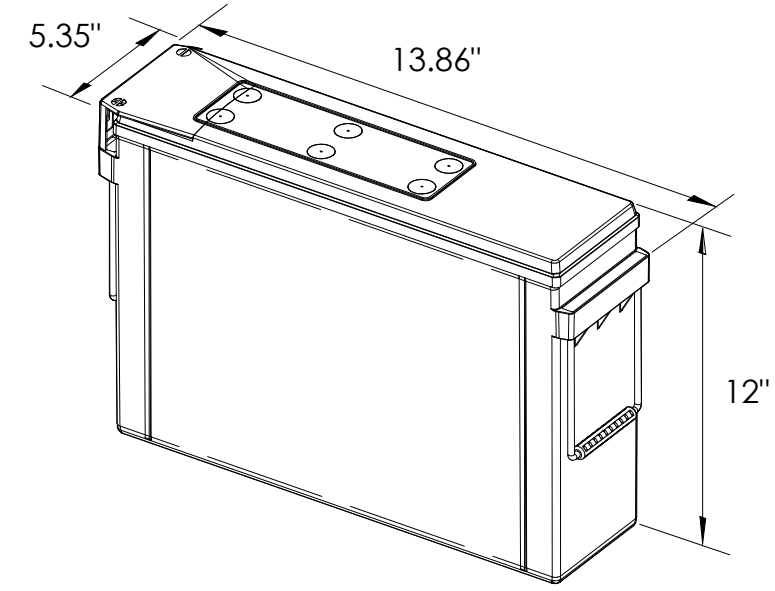


SEAL
 FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION
 SITE ID:
ST114A
 SITE ADDRESS:
 888 PARK AVENUE,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

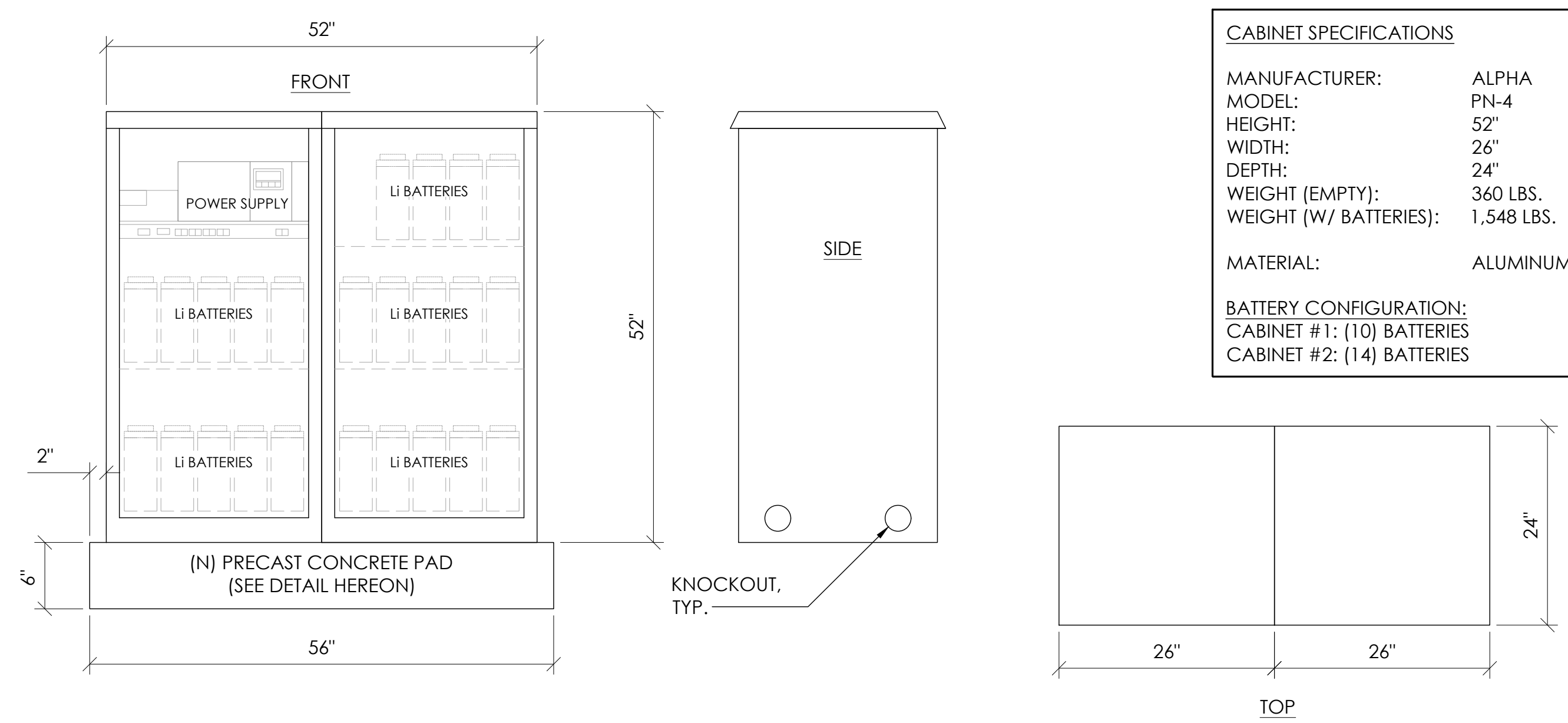
MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN
 WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS

MANUFACTURER: ALPHA
 MODEL: PN-4
 HEIGHT: 52"
 WIDTH: 26"
 DEPTH: 24"
 WEIGHT (EMPTY): 360 LBS.
 WEIGHT (W/ BATTERIES): 1,548 LBS.

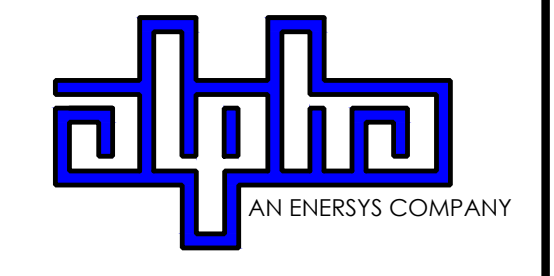
MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
 CABINET #1: (10) BATTERIES
 CABINET #2: (14) BATTERIES

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



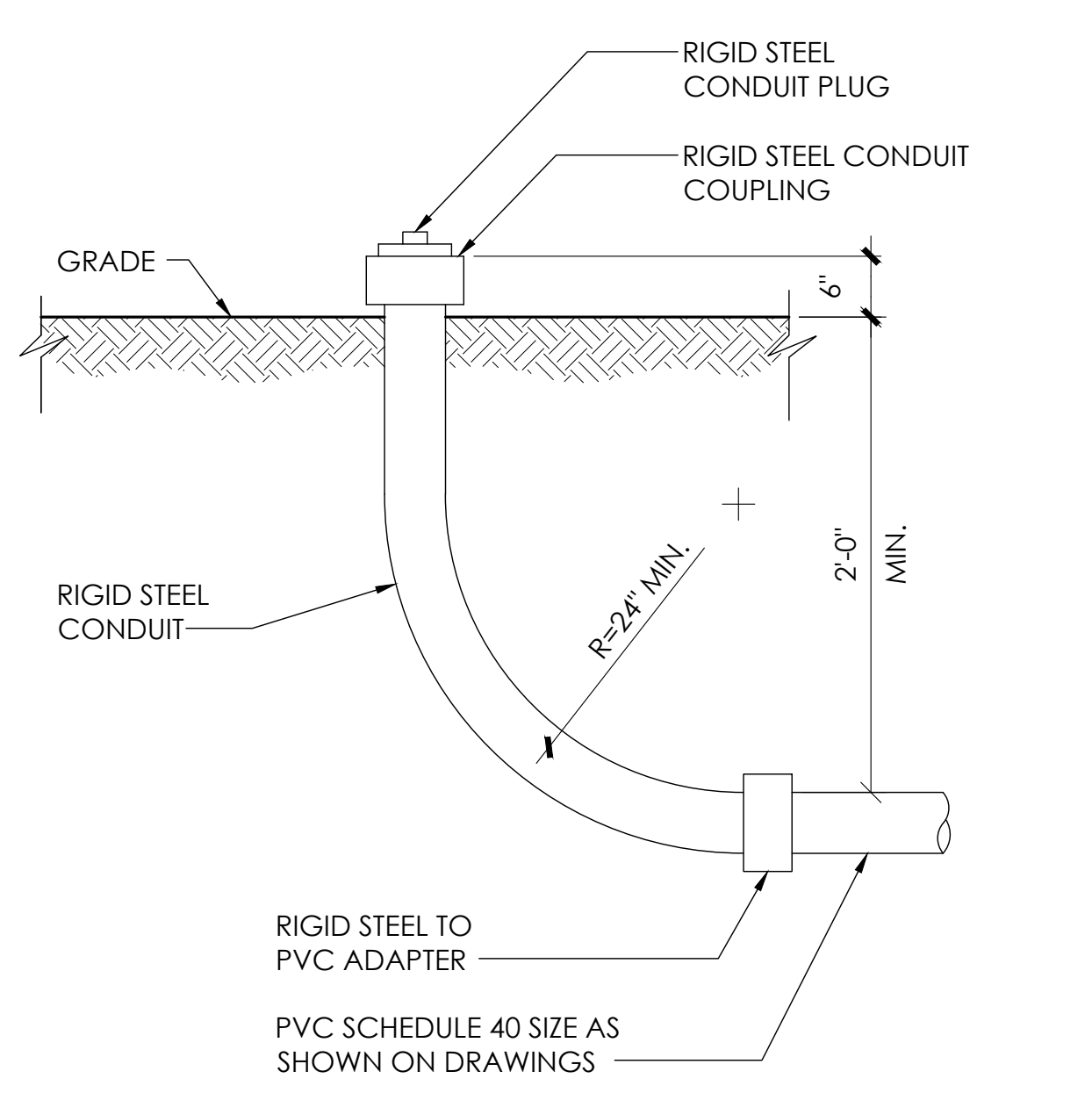
3767 ALPHA WAY
 BELLINGHAM, WA 98226



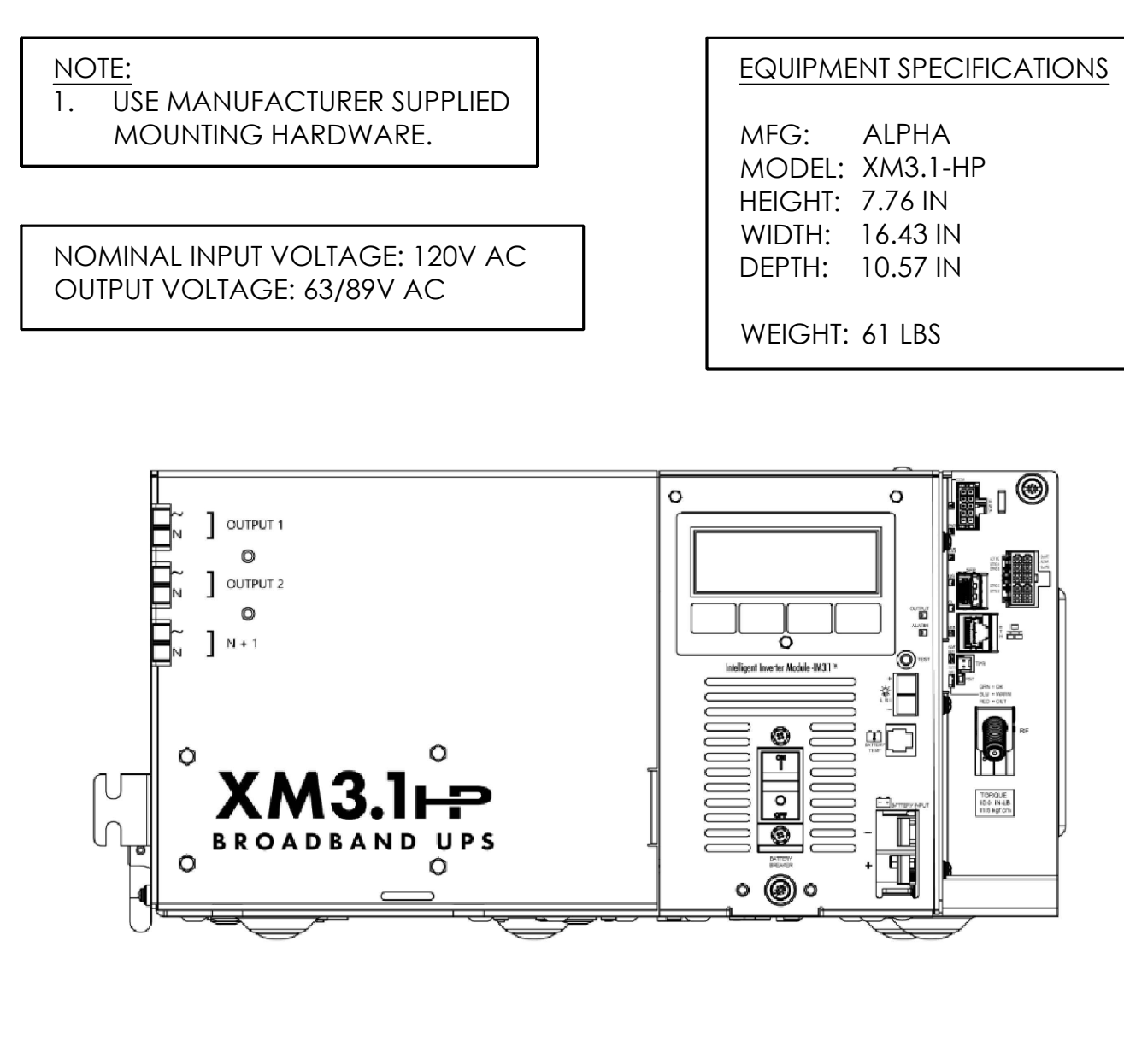
23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069674

ISSUE STATUS

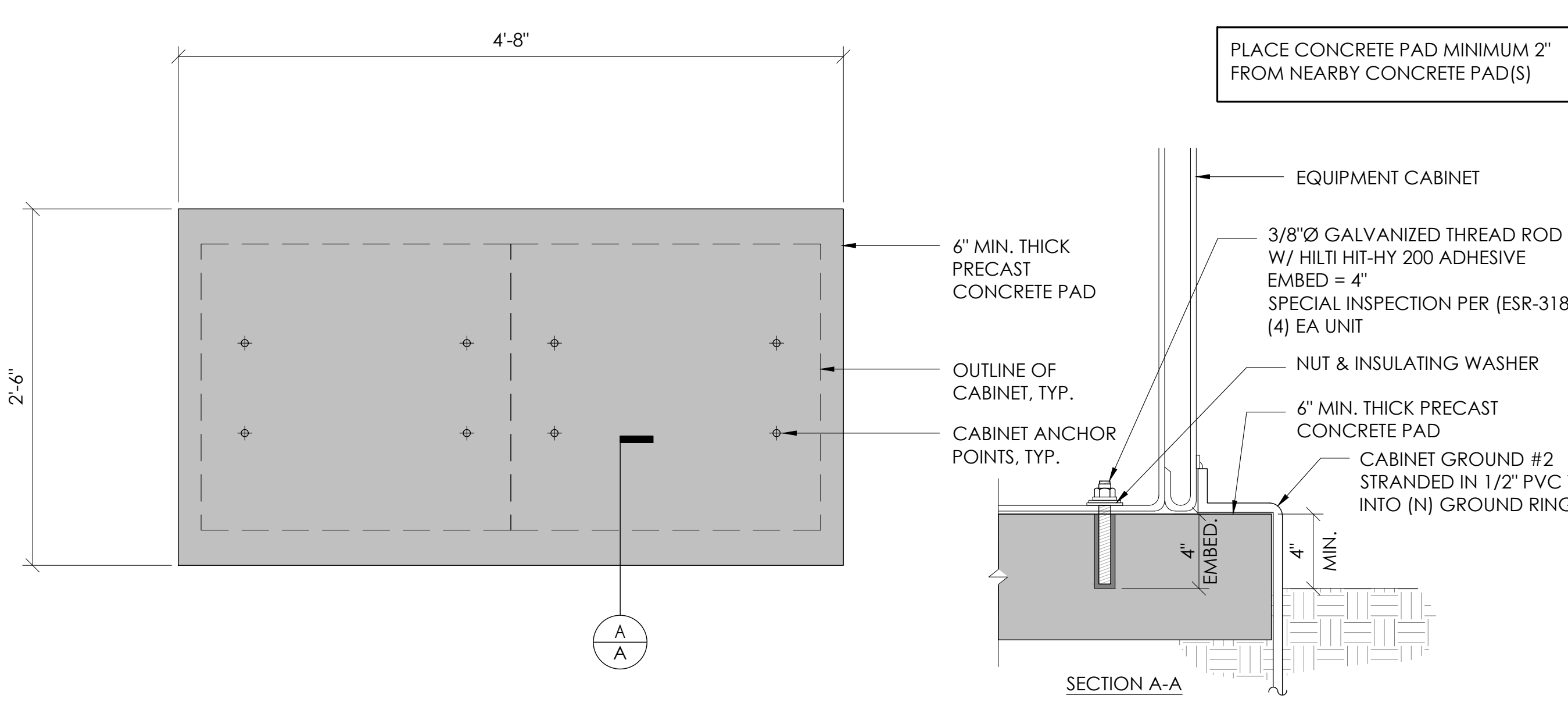
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0	12/27/21	100% CD	IK
1	12/01/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	09/25/23	SURVEY SHEET ADDED	MZ



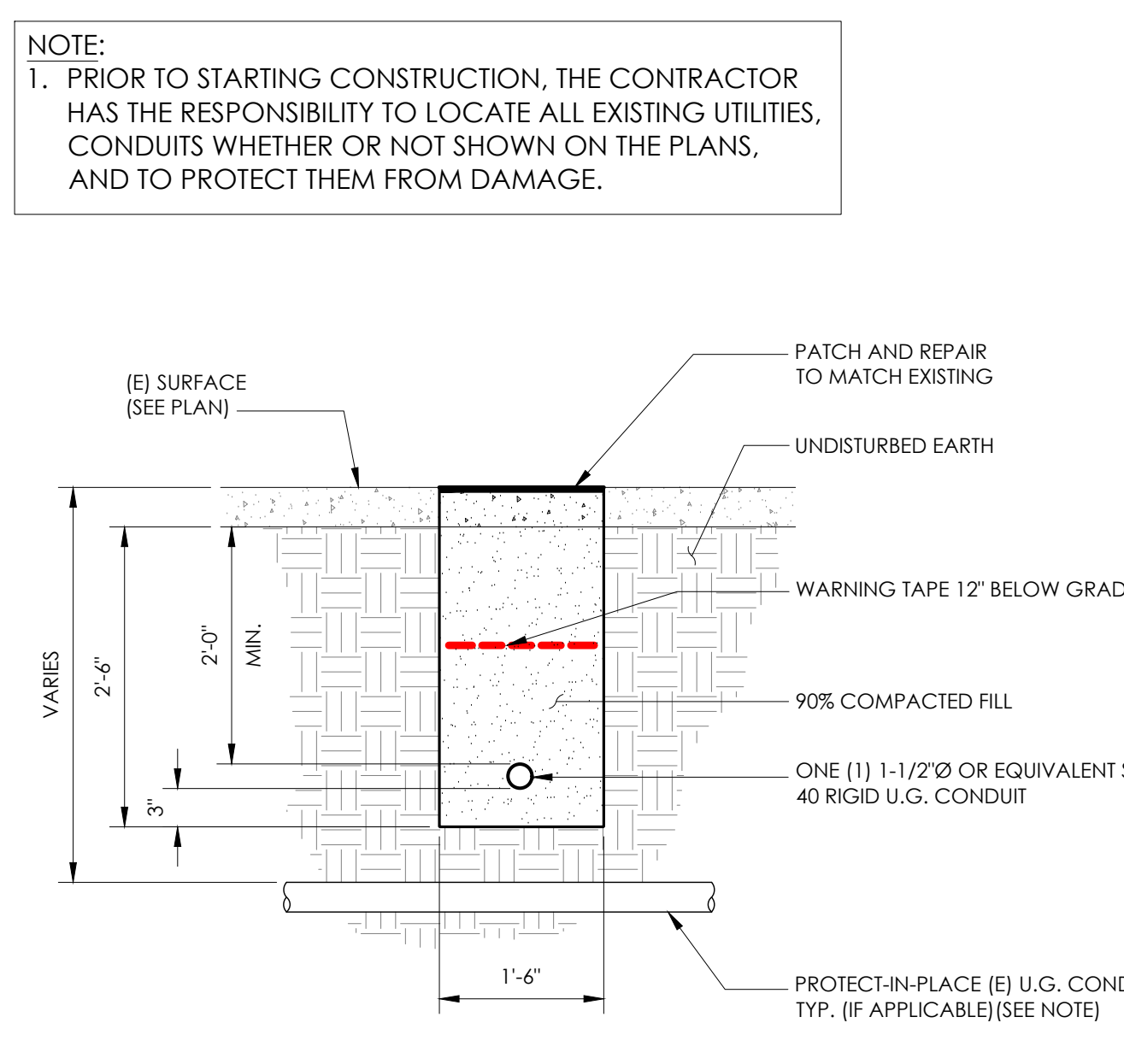
8 STUB-UP DETAIL
N.T.S.



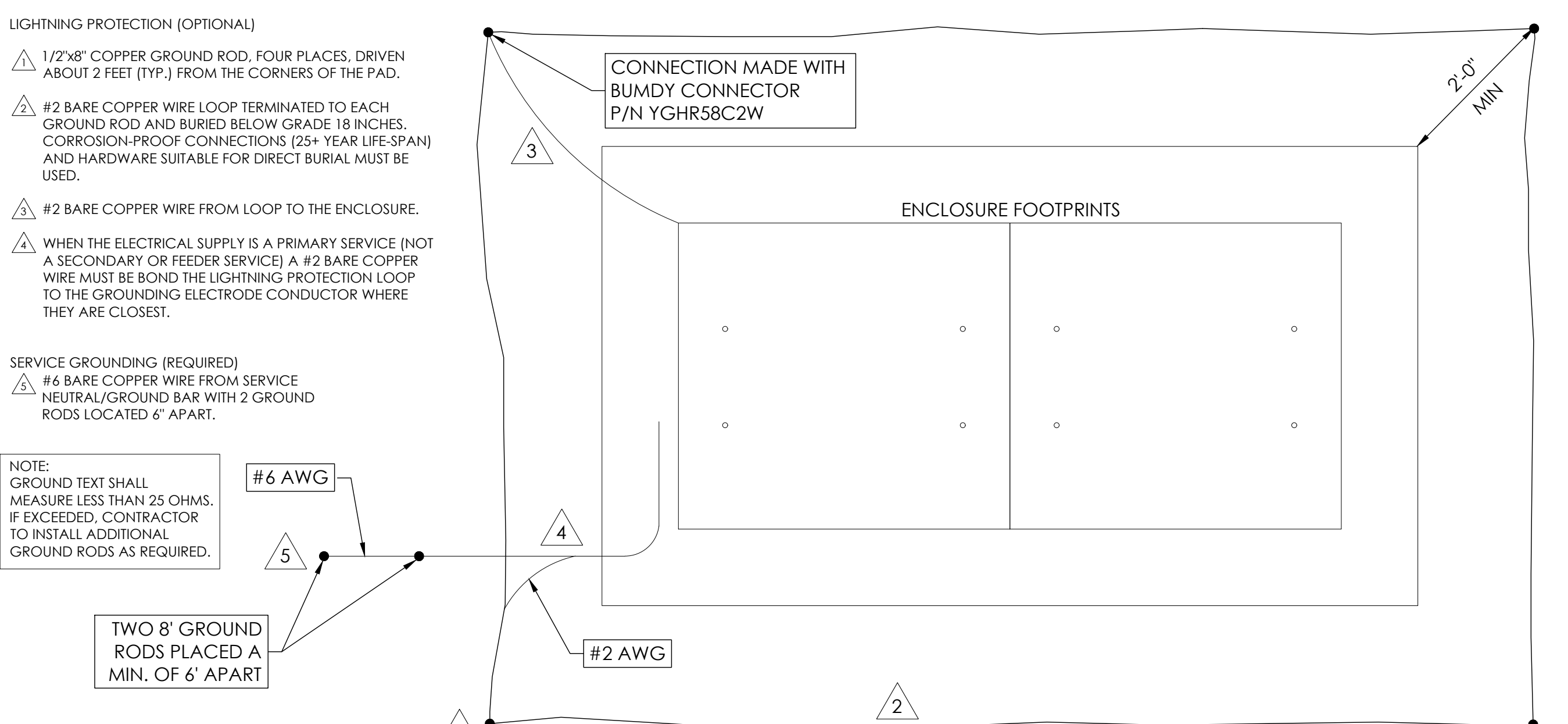
5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.

SEAL

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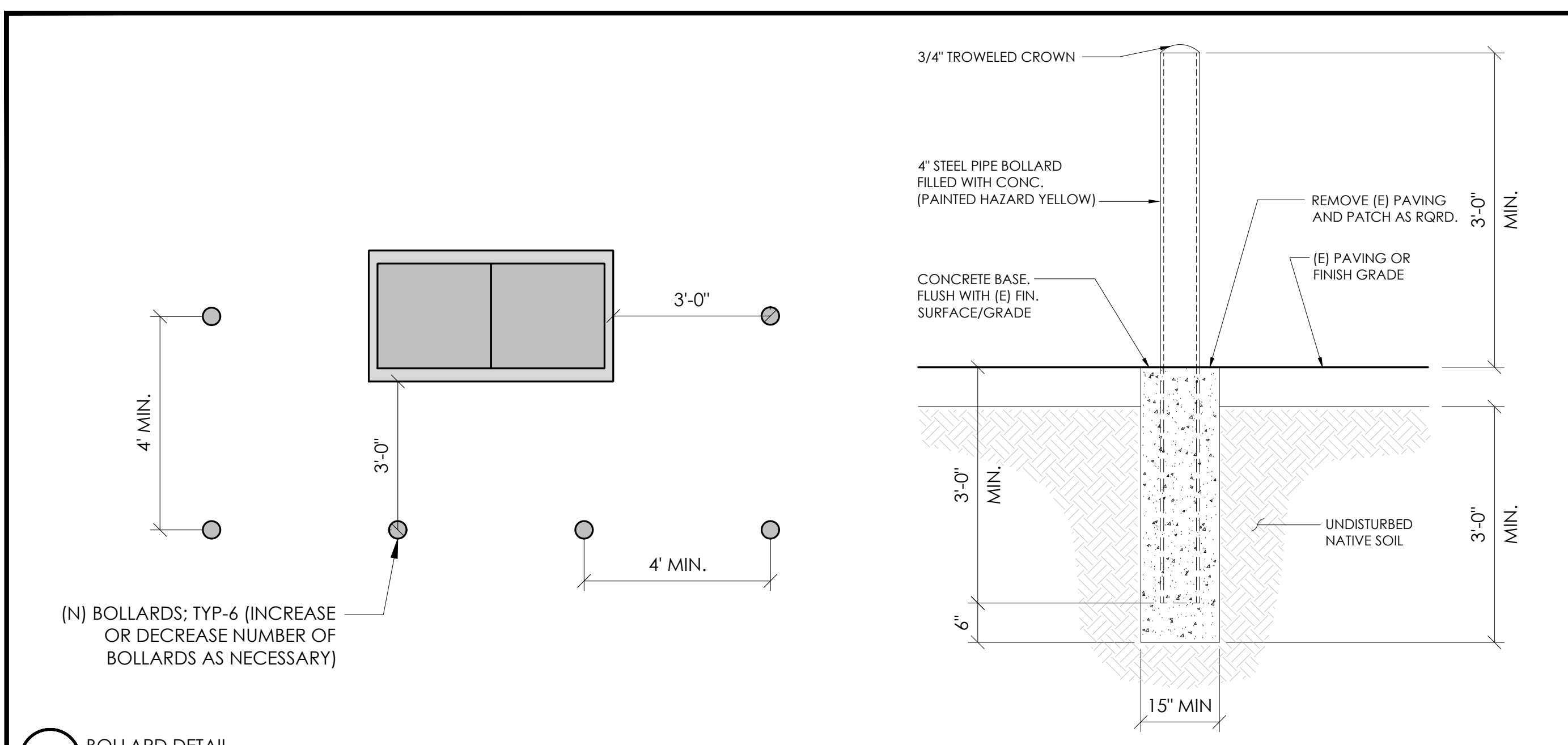
SITE INFORMATION

SITE ID:
 ST114A_

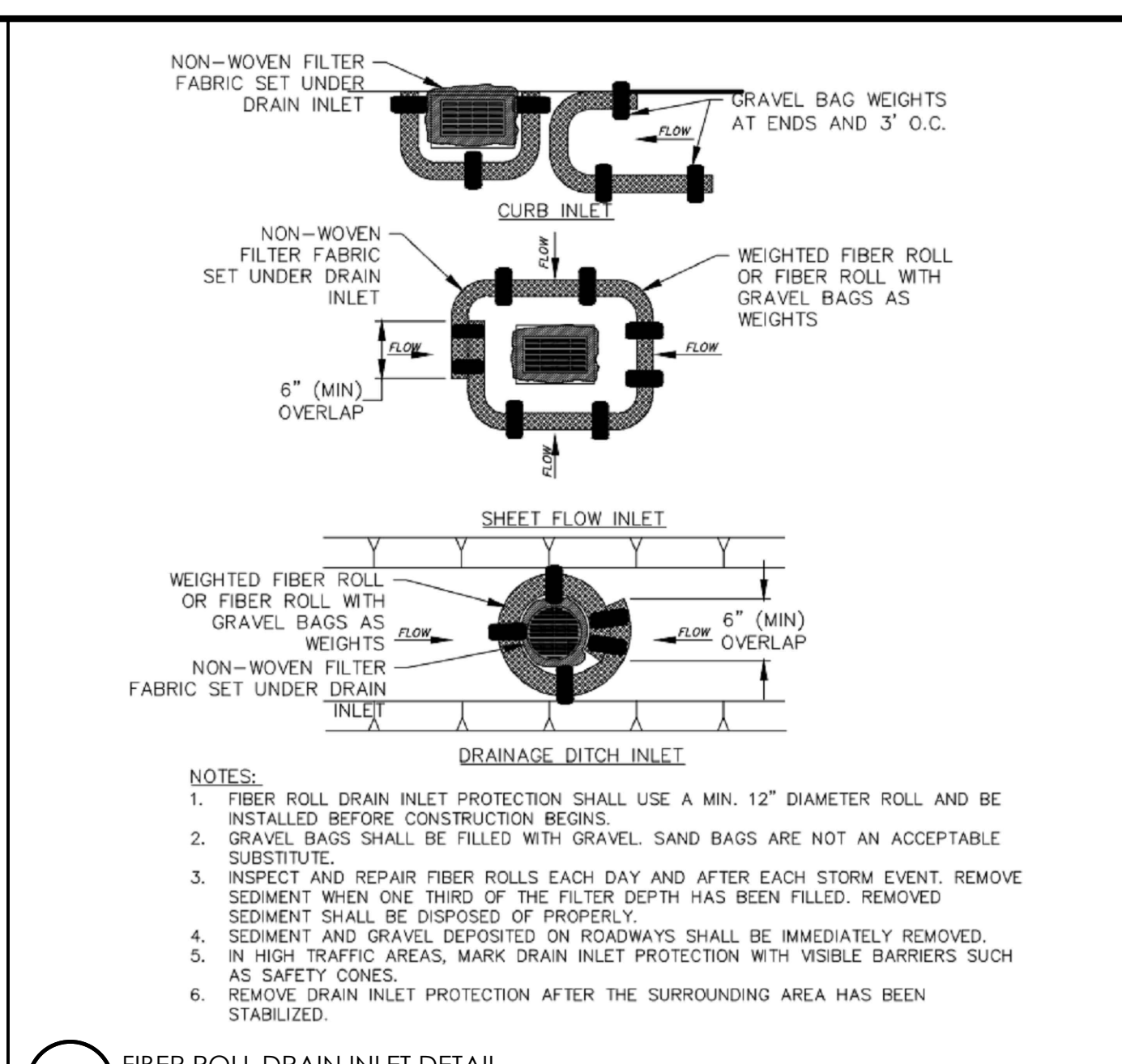
SITE ADDRESS:
 888 PARK AVENUE,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
 DETAILS

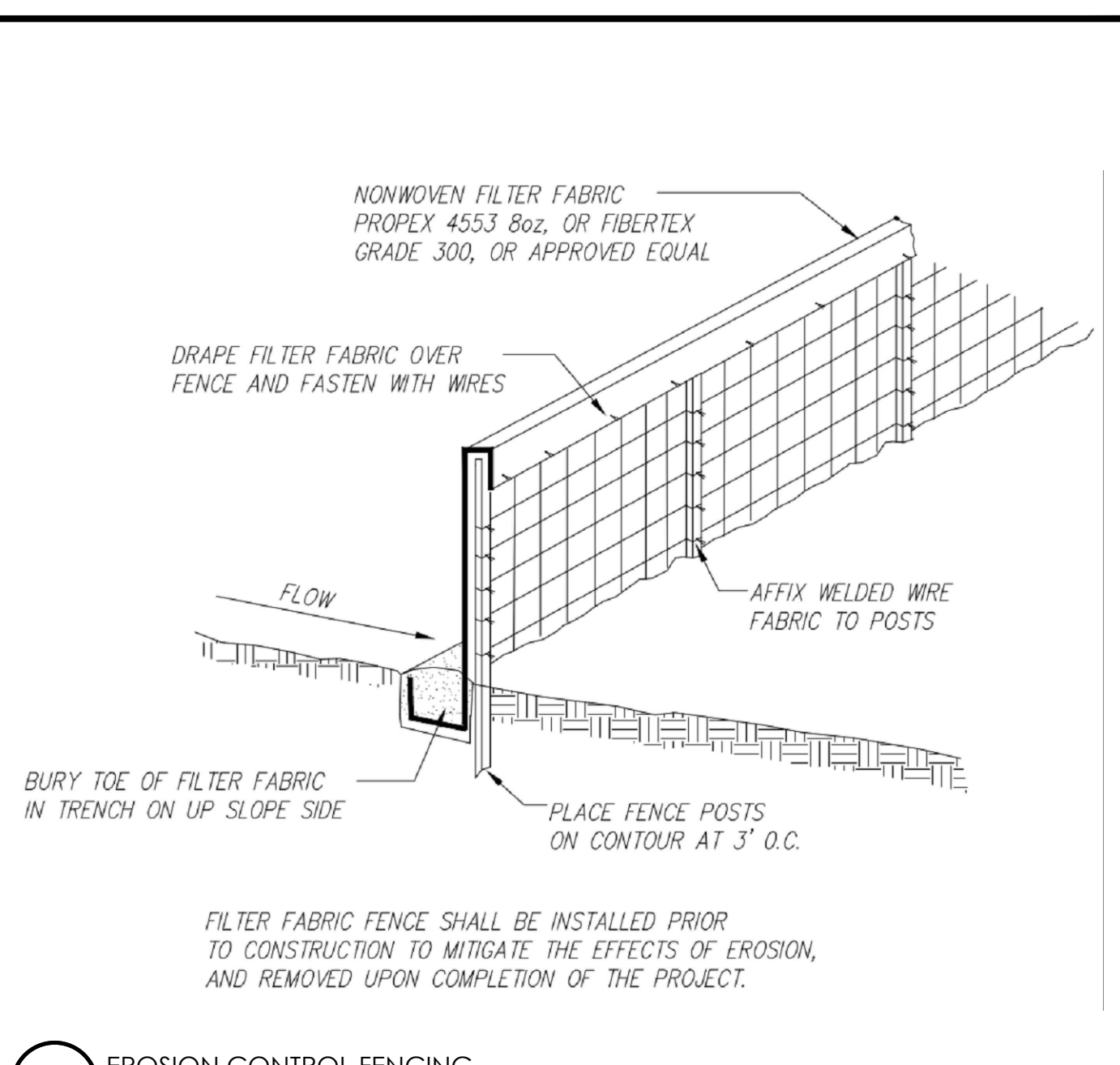
D1



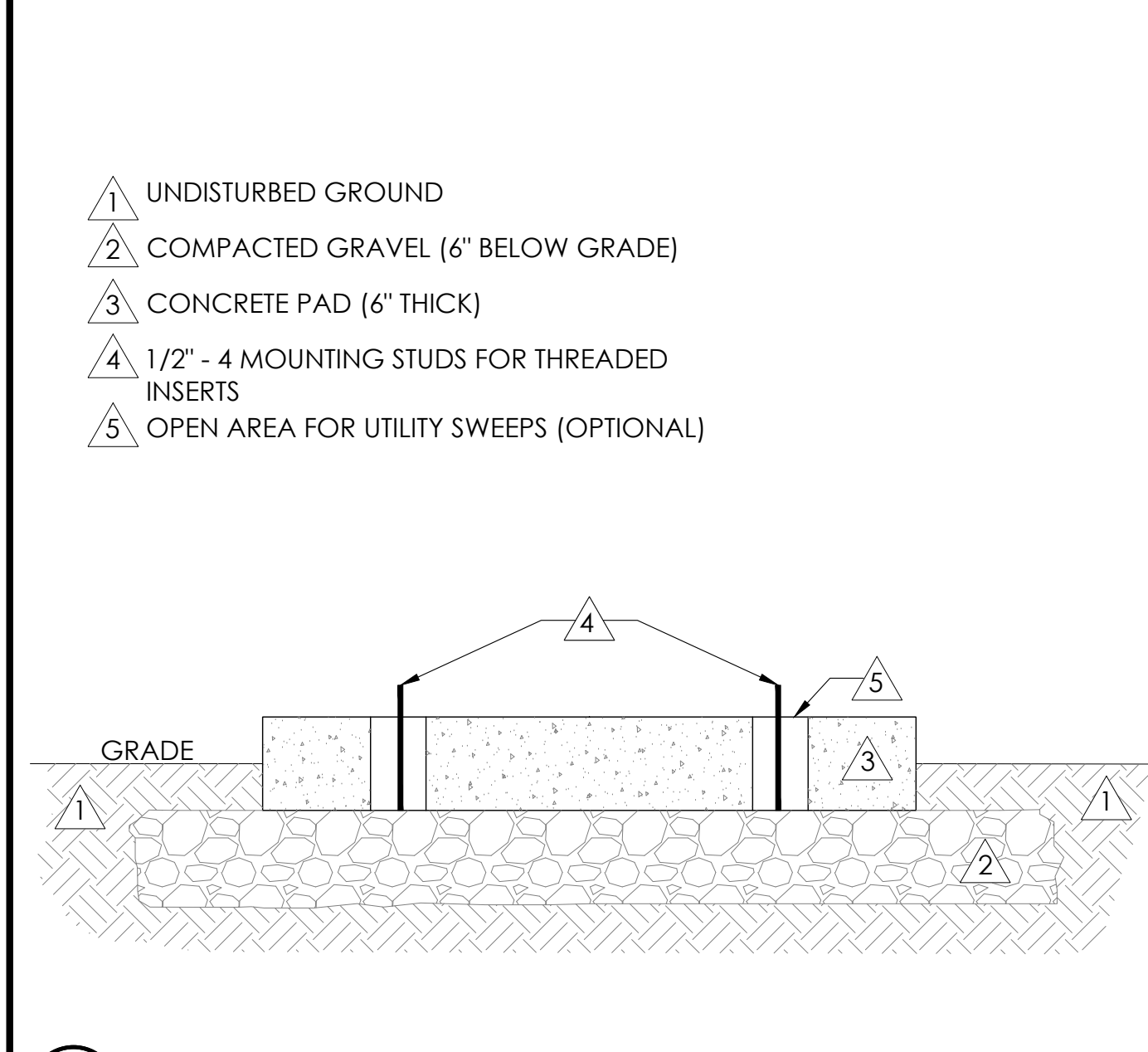
10 BOLLARD DETAIL
N.T.S.



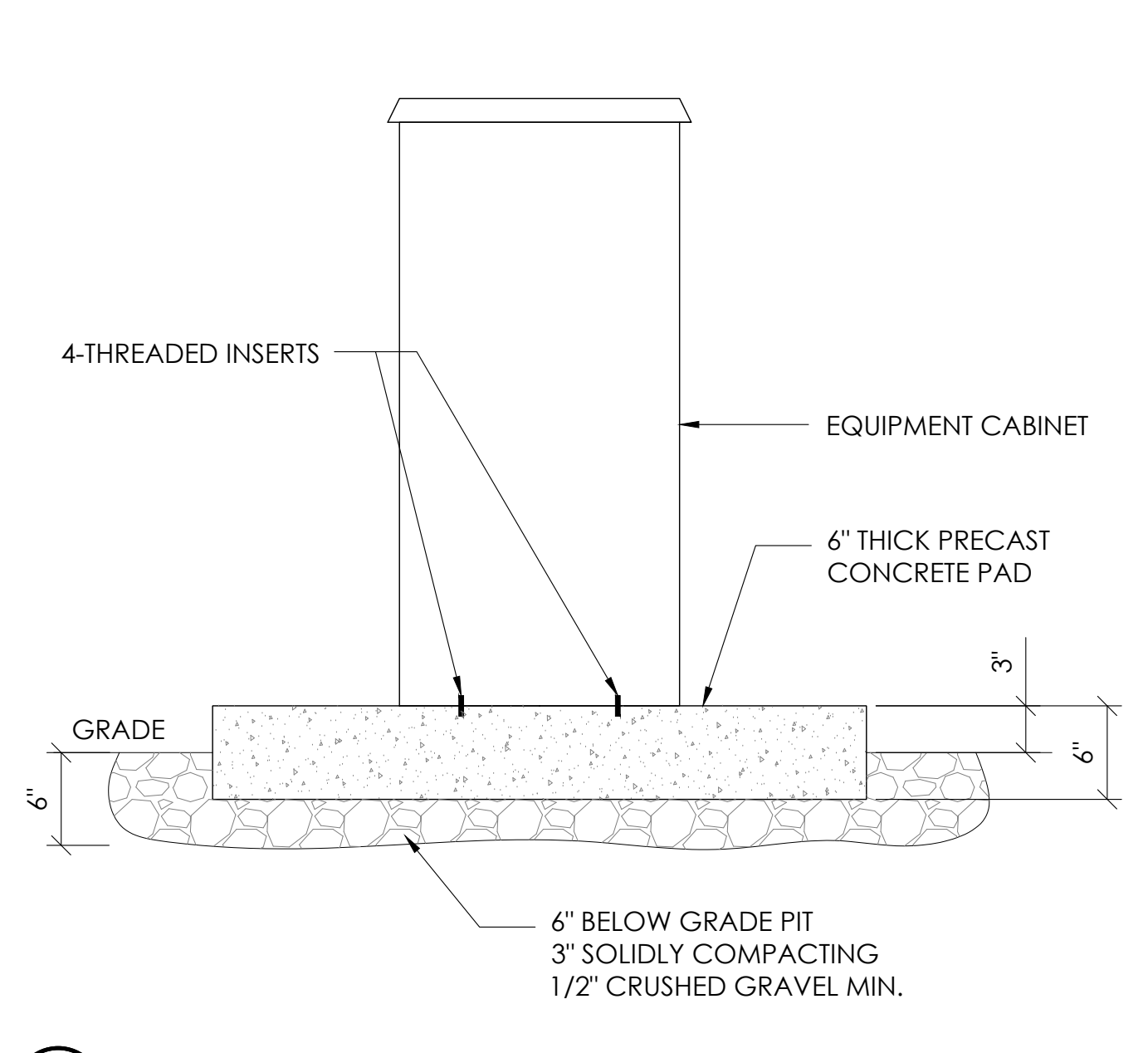
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



1 EROSION CONTROL FENCING
N.T.S.



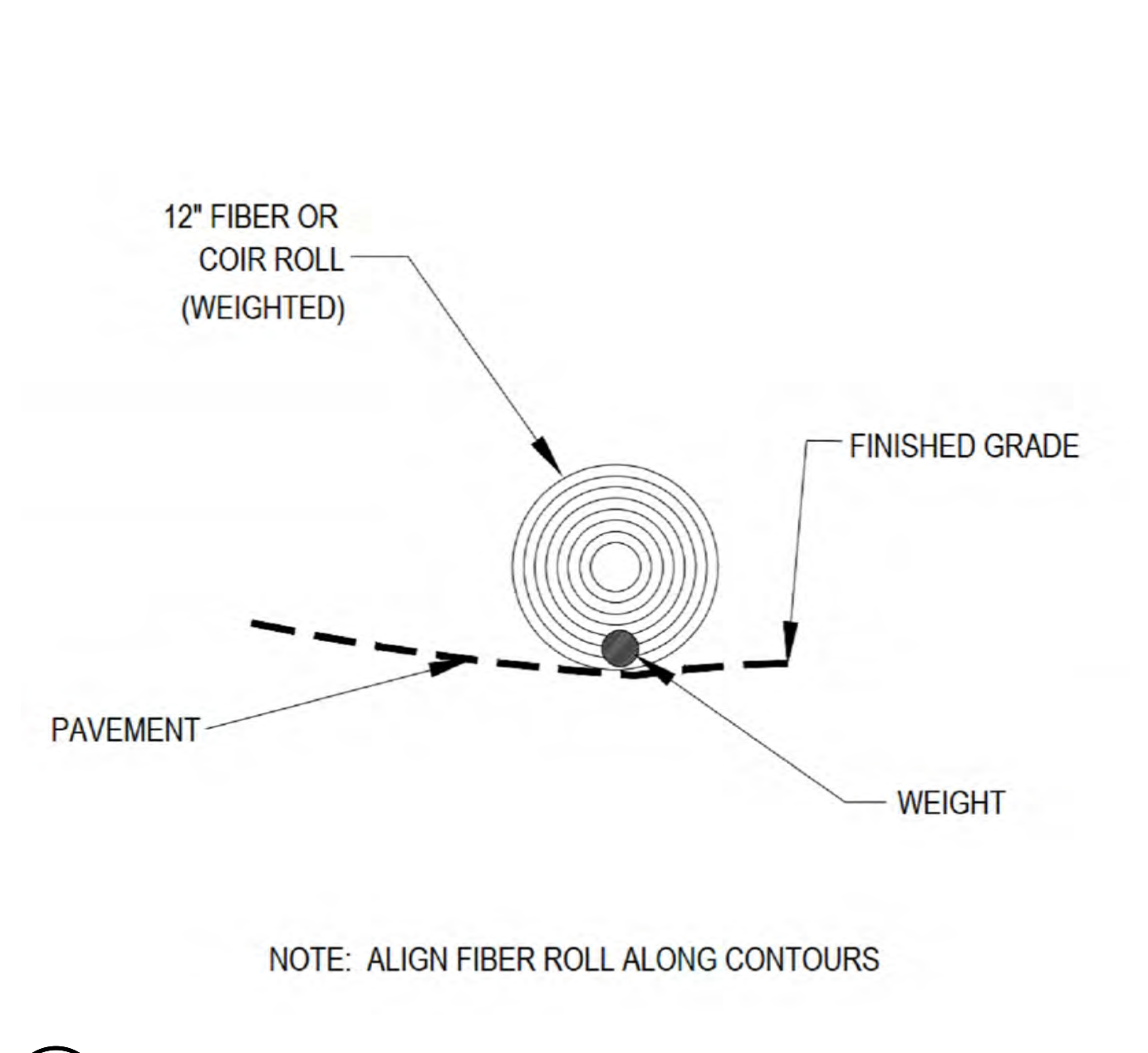
11 FOUNDATION BASE FOR PN4
N.T.S.



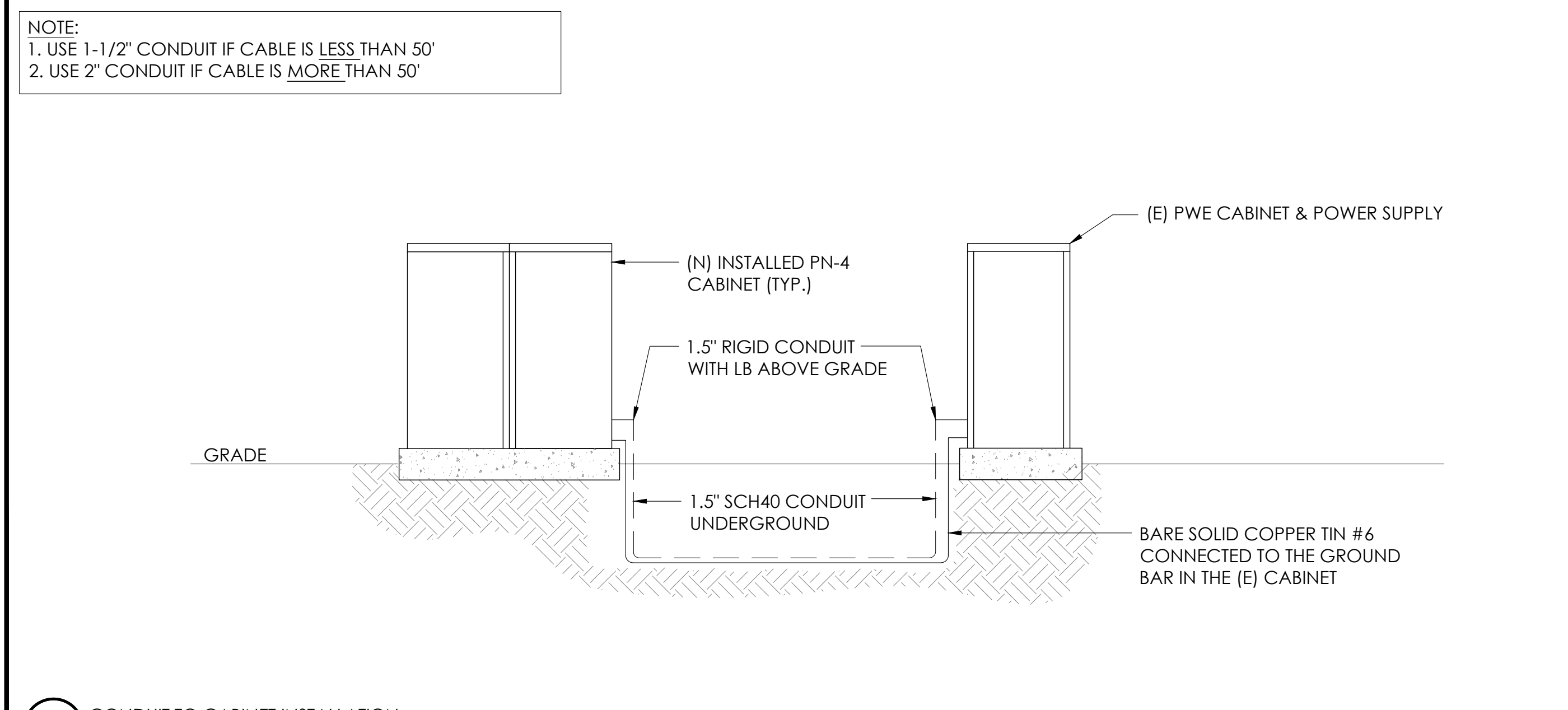
8 P4 CABINET INSTALLATION
N.T.S.



5 NOT USED
N.T.S.



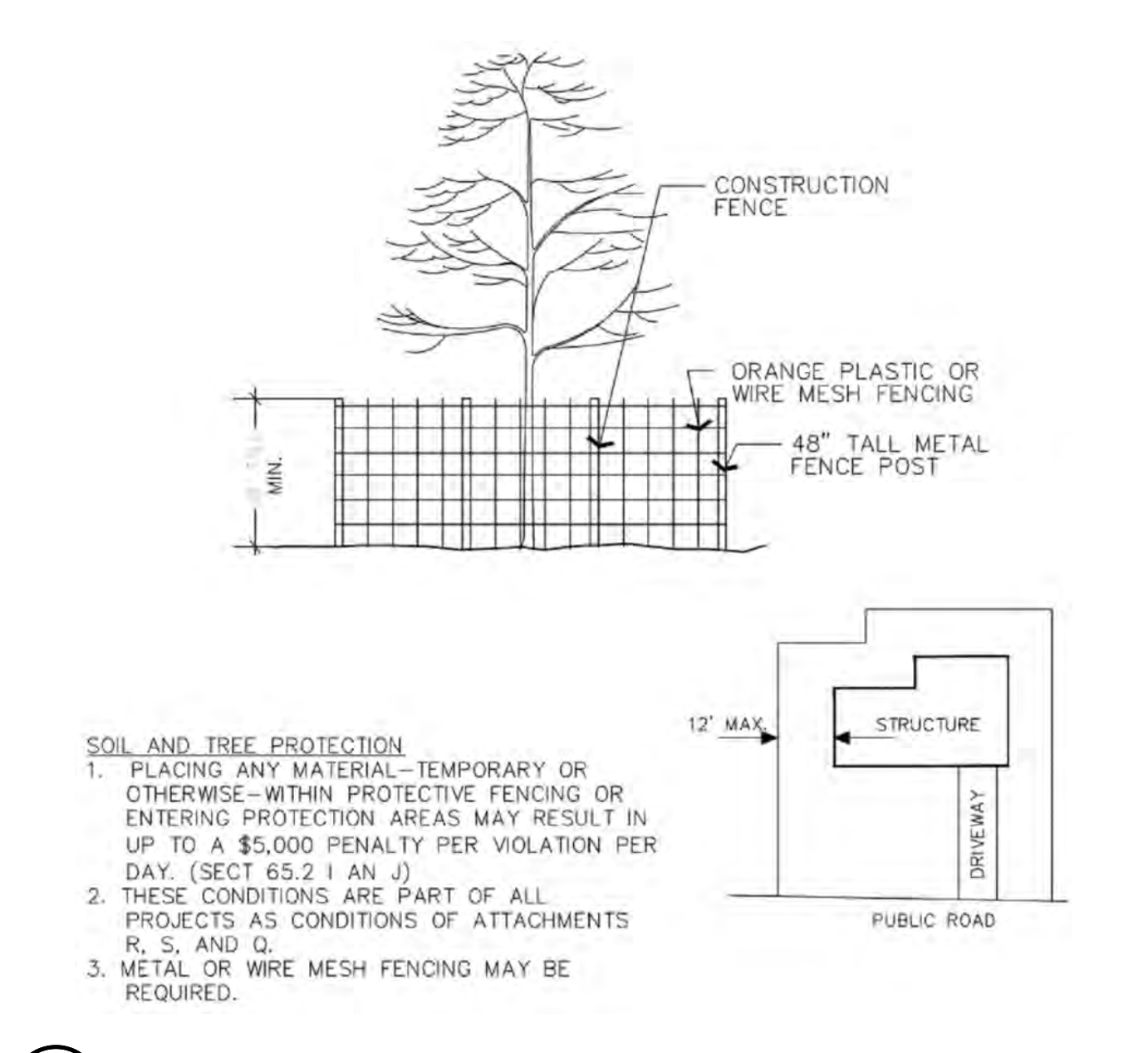
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

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CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY
3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069674

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RE
0	12/27/21	100% CD	IK
1	12/01/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	09/25/23	SURVEY SHEET ADDED	MZ

SEAL

REGISTERED PROFESSIONAL ENGINEER
CARLOS F. Z. 10617
S6550
EXPIRES 3/31/25
STRUCTURAL
STATE OF CALIFORNIA
10/5/23

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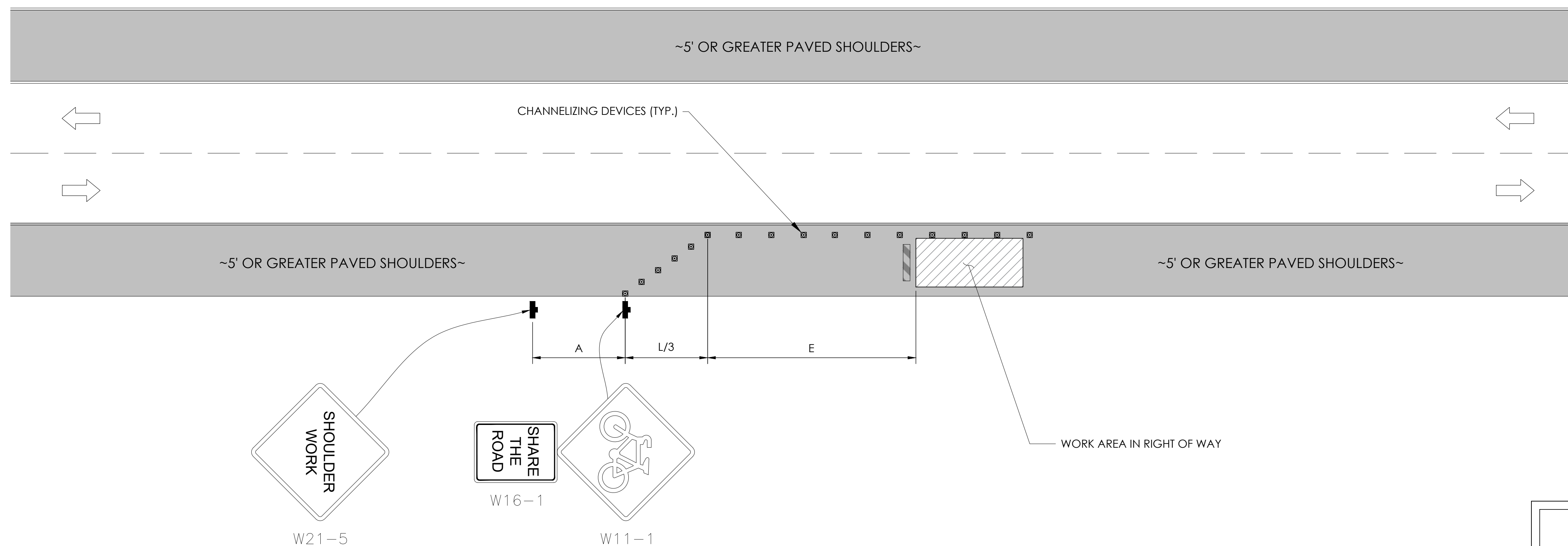
SITE INFORMATION
SITE ID: ST114A
SITE ADDRESS:
888 PARK AVENUE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS
D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

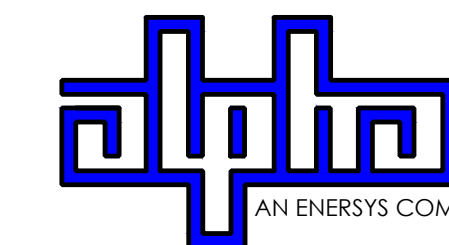
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14th EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



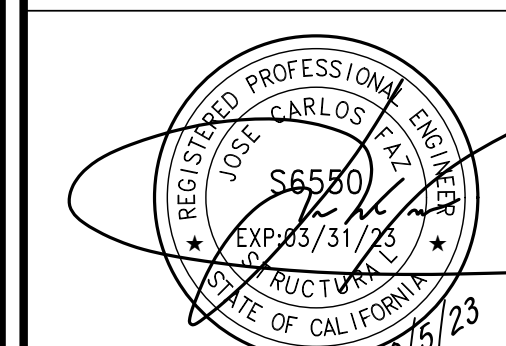
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069674

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RE
0	12/27/21	100% CD	IK
1	12/01/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	09/25/23	SURVEY SHEET ADDED	MZ

SEAL



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SITE INFORMATION

SITE ID:
ST114A_

SITE ADDRESS:
888 PARK AVENUE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST119C_A

SITE ADDRESS:
925 TALLAC AVE,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	925 TALLAC AVE SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9412927, -119.9801602
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	9
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	1.2 C.Y.

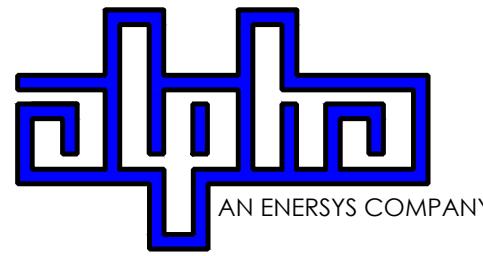
2Li SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (24) (N) LITHIUM Li BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

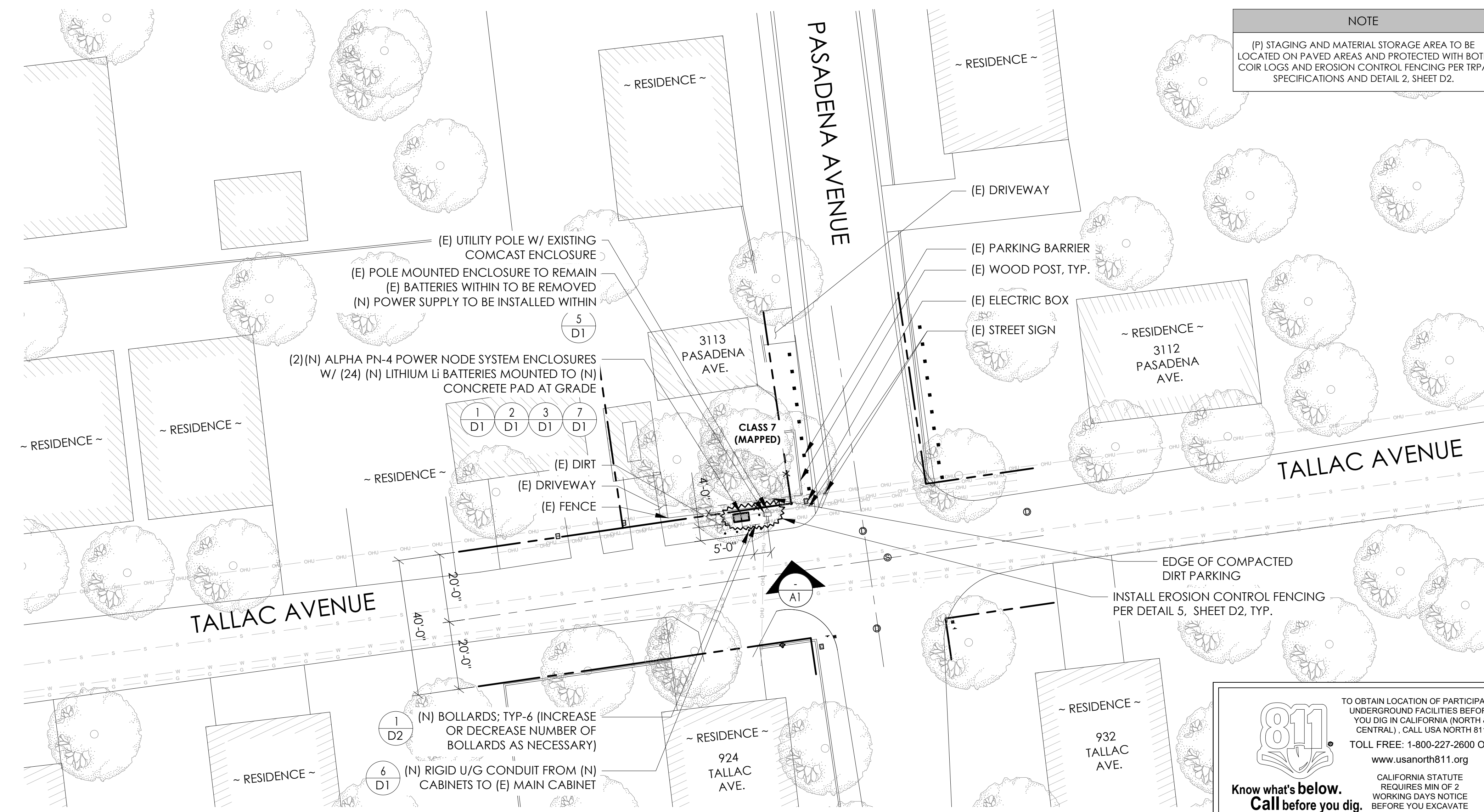


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069683

ISSUE STATUS

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2	04/28/23	100% CD REV PER PCC#2	ES
3	05/22/23	100% CD REV PER PCC#2	RD
4	06/22/23	100% CD REV PER PCC#3	ES
5	09/27/23	100% CD REVISION	JG



DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

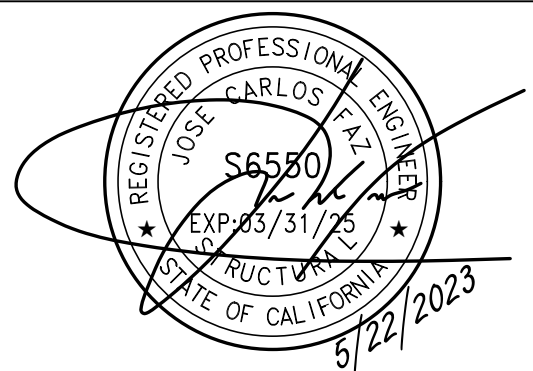
PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

ENGINEER/ ARCHITECT: J5 INFRASTRUCTURE PARTNERS
JOSE M. MIRANDA
ARCHITECT/ENGINEER CONTACT
PH: (949) 247-7767
EMAIL: jmiranda@j5ip.com
23 MAUCHLY, SUITE 110
IRVINE, CALIFORNIA, 92618

APPLICANT: ALPHA TECHNOLOGIES, INC.
RICHARD A. SEIFF
SERVICE OPERATIONS MANAGER
ENERGY SYSTEMS AMERICAS
PH: (331) 276-0232
EMAIL: rich.seiff@enersys.com

SEAL



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 1 - CALIFORNIA ADMINISTRATIVE CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 INTERNATIONAL PLUMBING CODE
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANSITIA-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SITE INFORMATION

SITE ID:
ST119C_A

SITE ADDRESS:
925 TALLAC AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TITLE SHEET

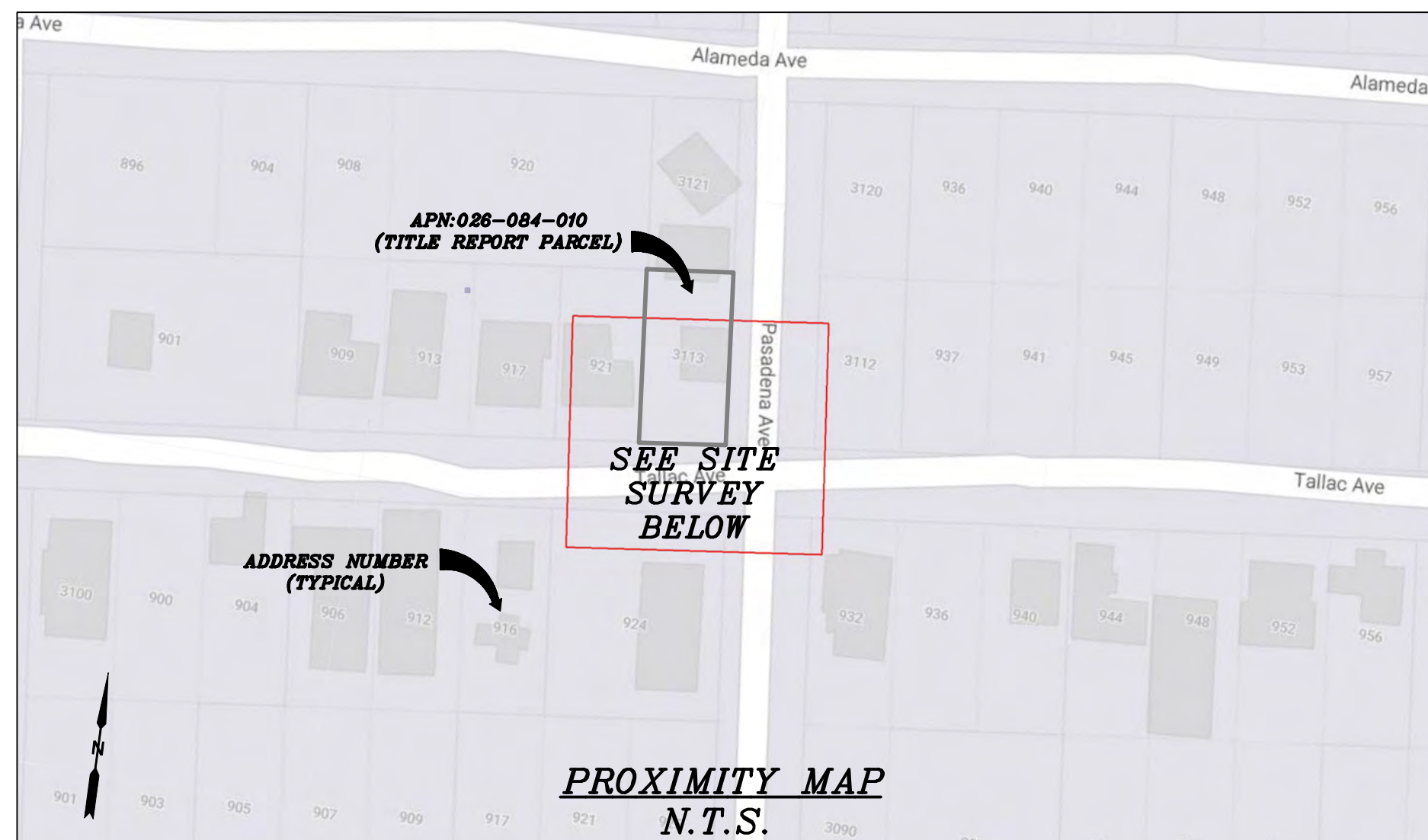
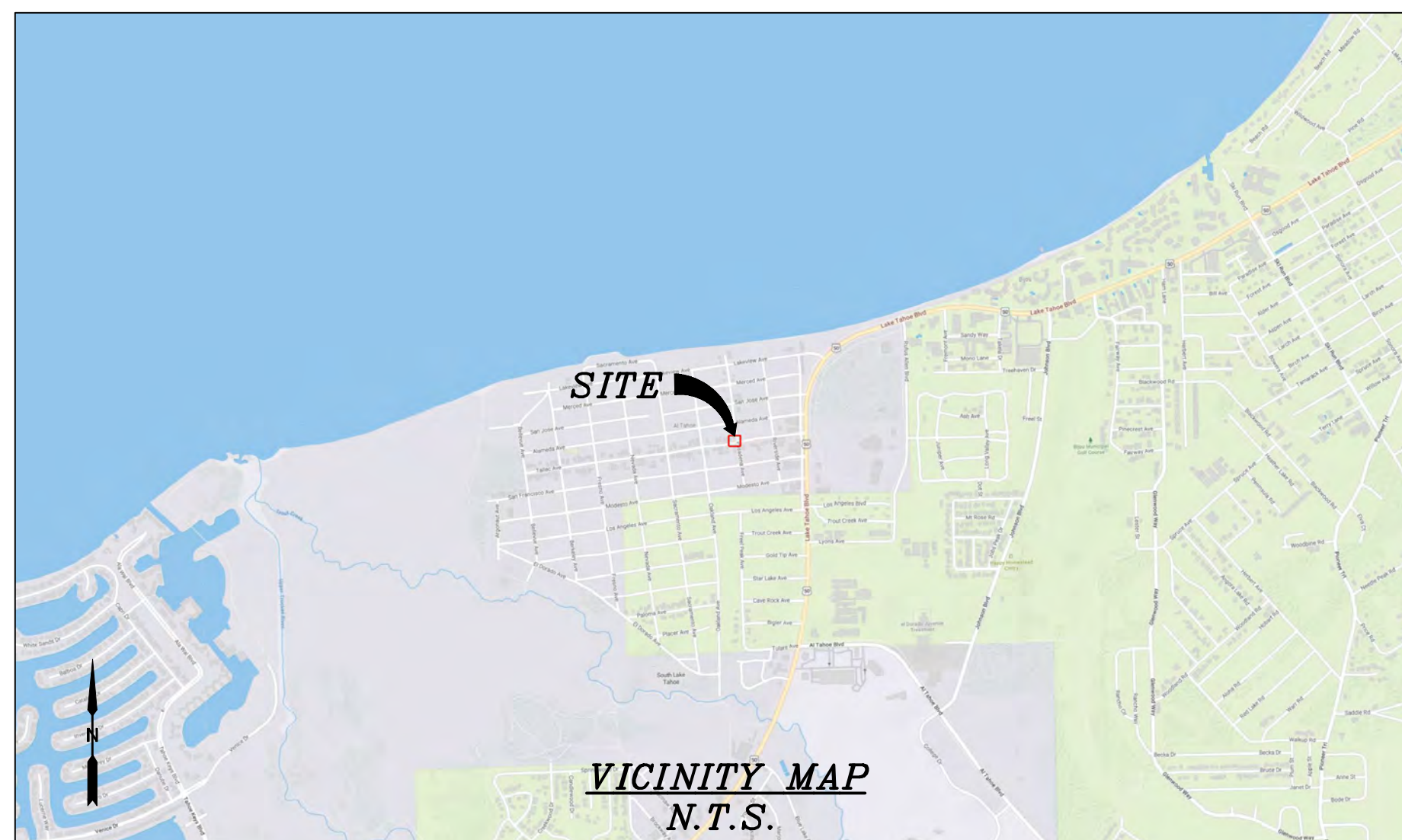
T1

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
 11"x17" SCALE: 1" = 40'-0"

811 Know what's below. Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
 TOLL FREE: 1-800-227-2600 OR www.usanorth811.org
 CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE



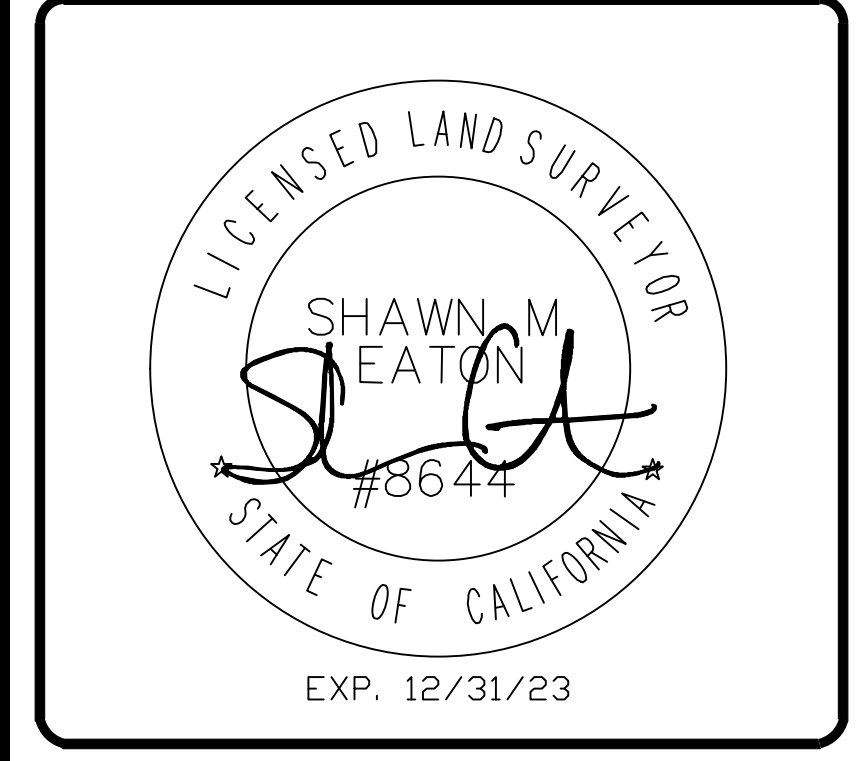
CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

Eaton Land Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/21/23	SUBMITTAL



PROJECT INFORMATION:
ST119C_A
925 TALLAC AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/25/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

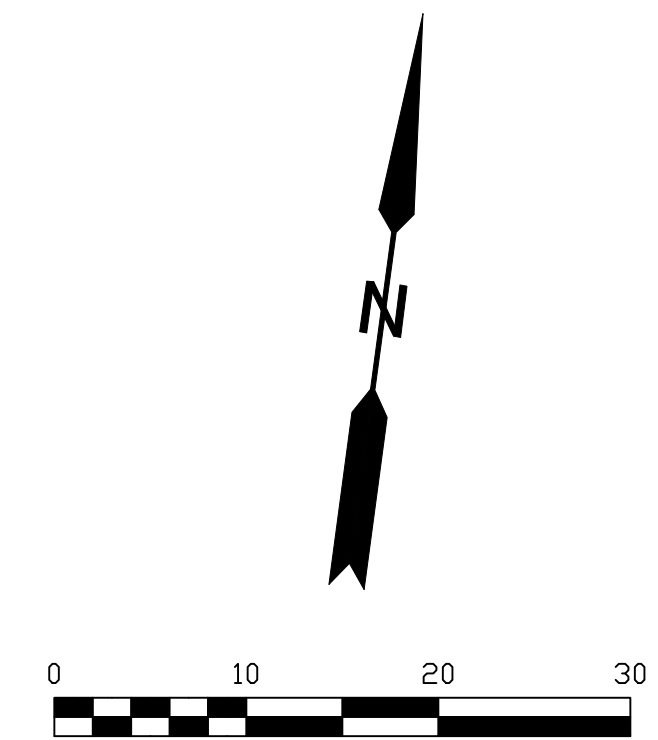
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

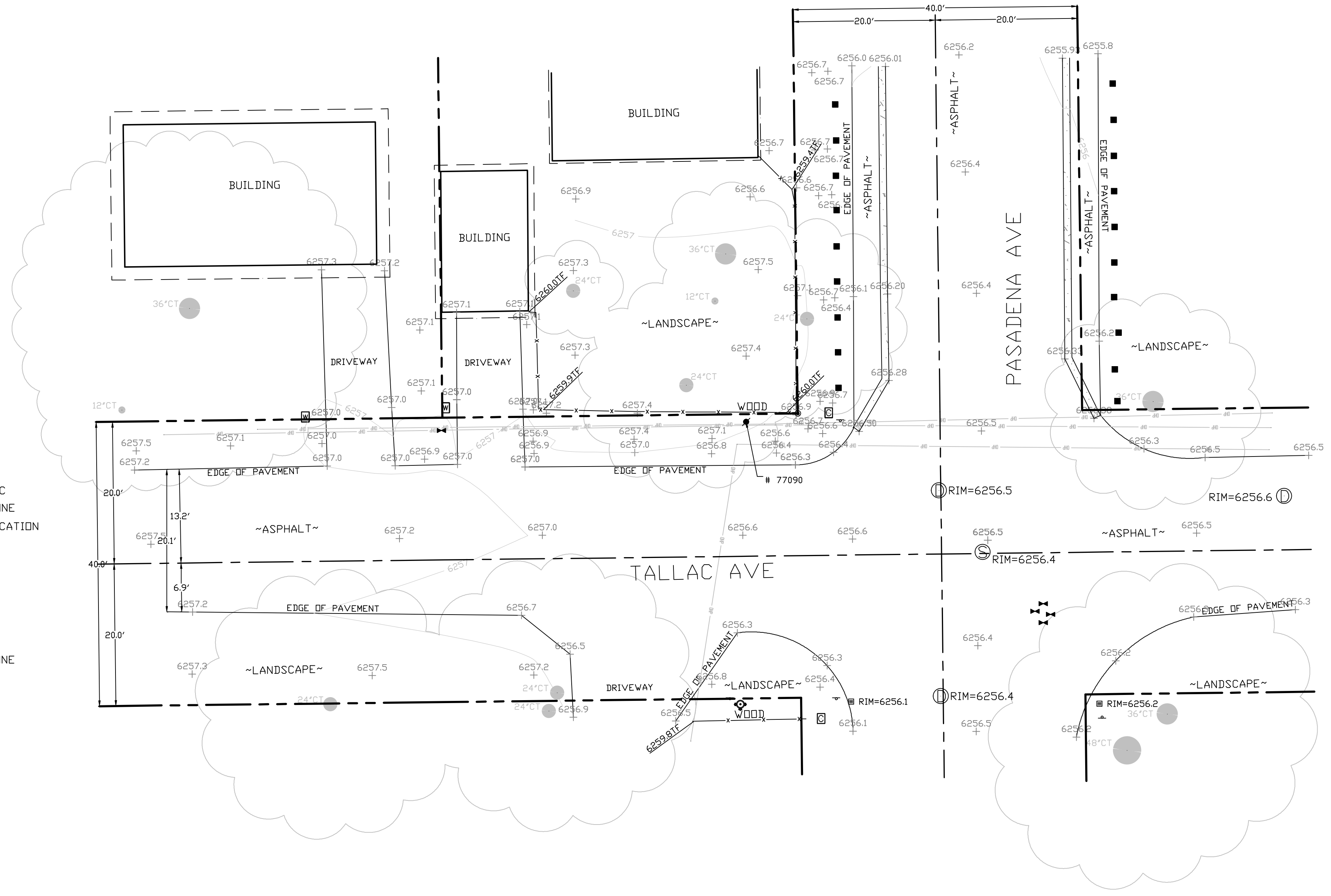
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 3 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 026-084-010
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032233 DATED 08/31/2023;

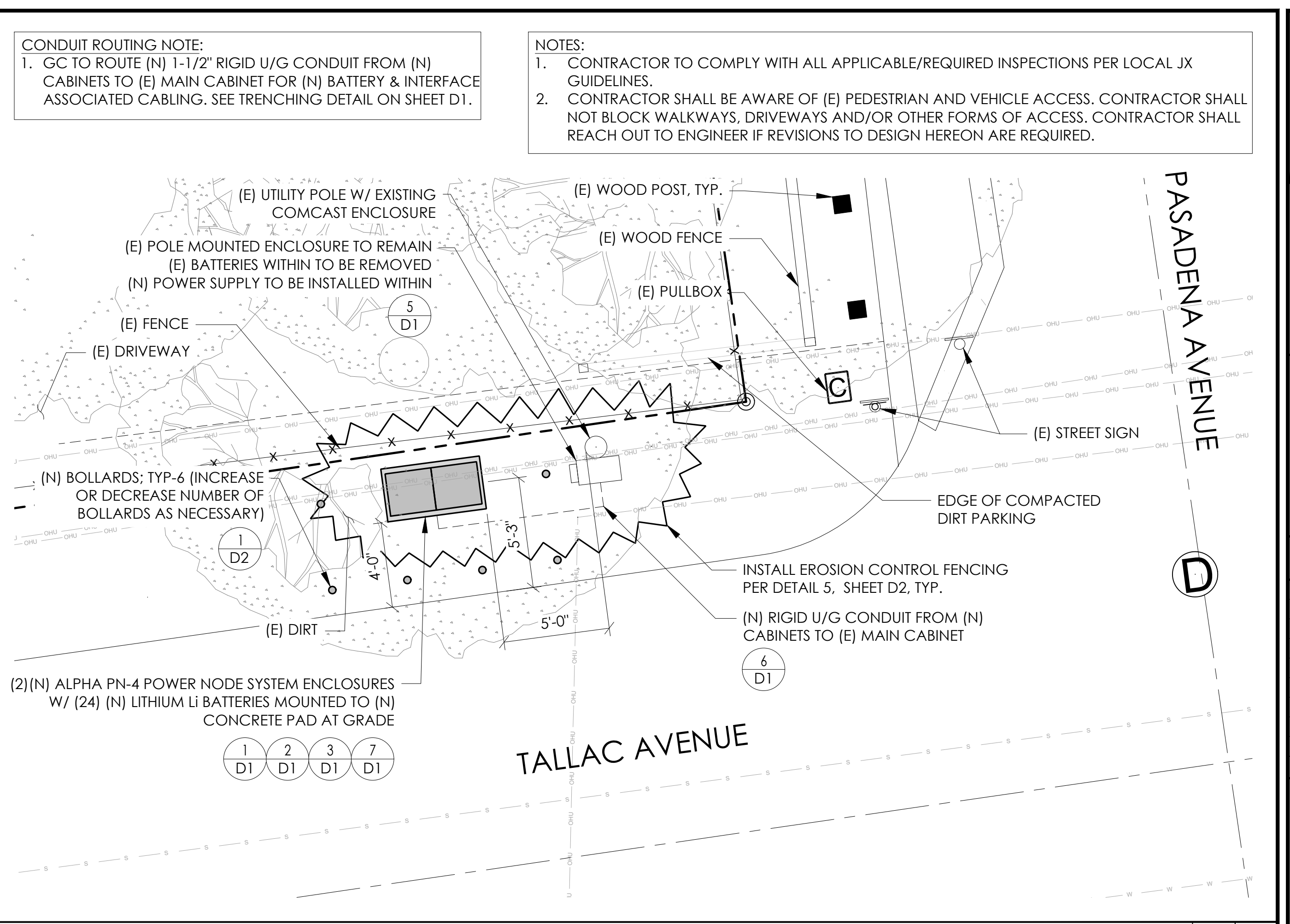
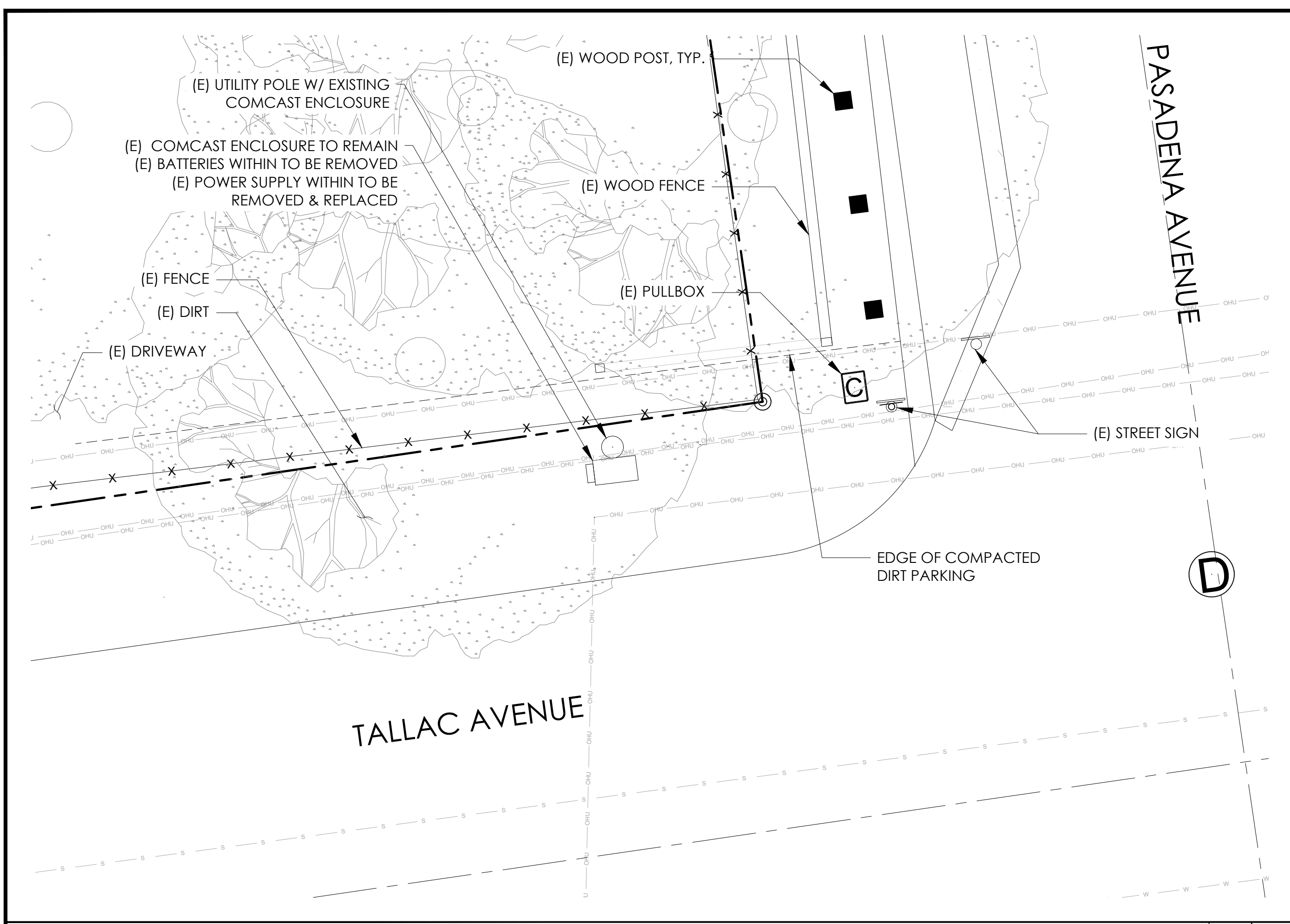


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - WOOD POST
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - FOUND MONUMENT



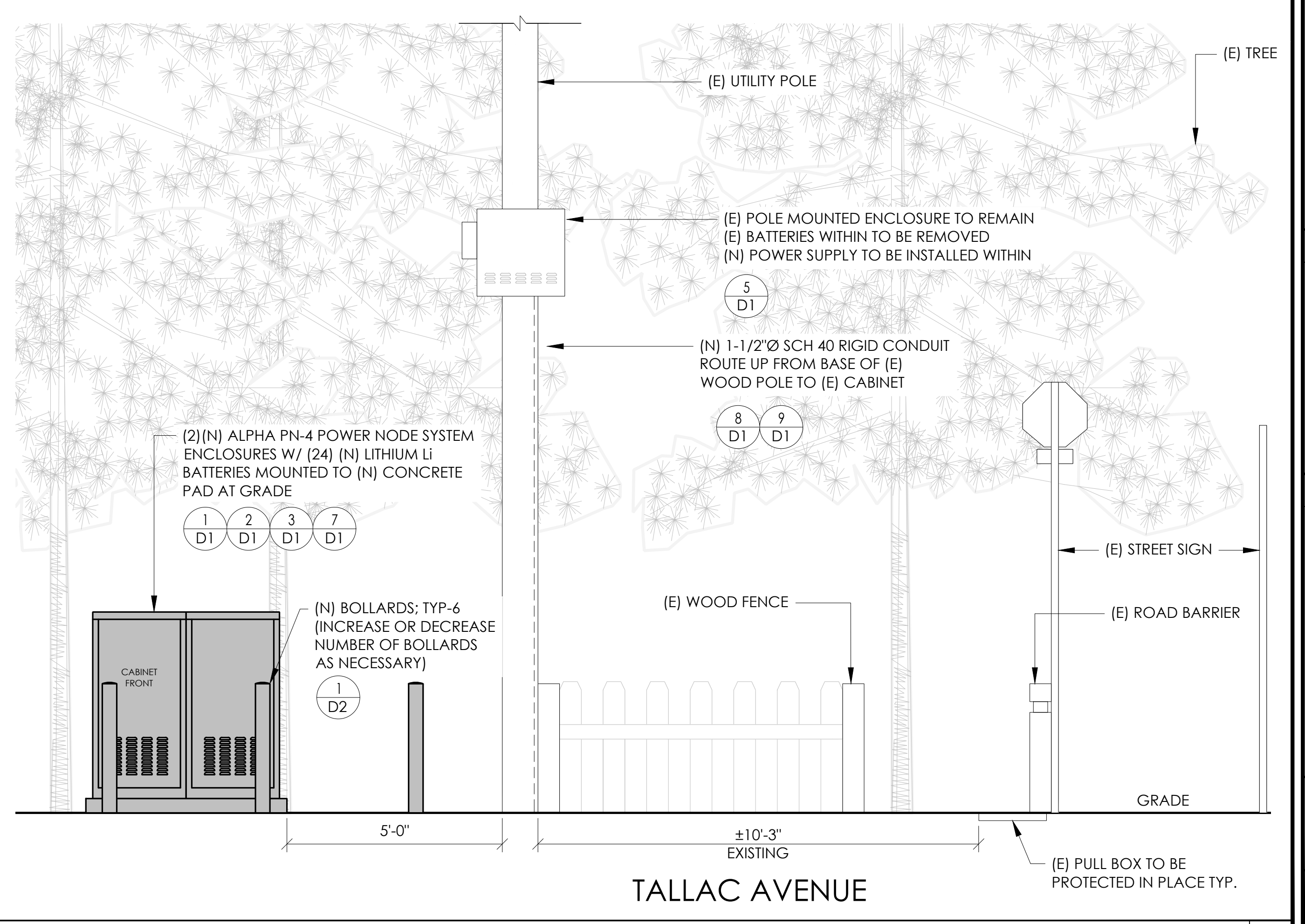
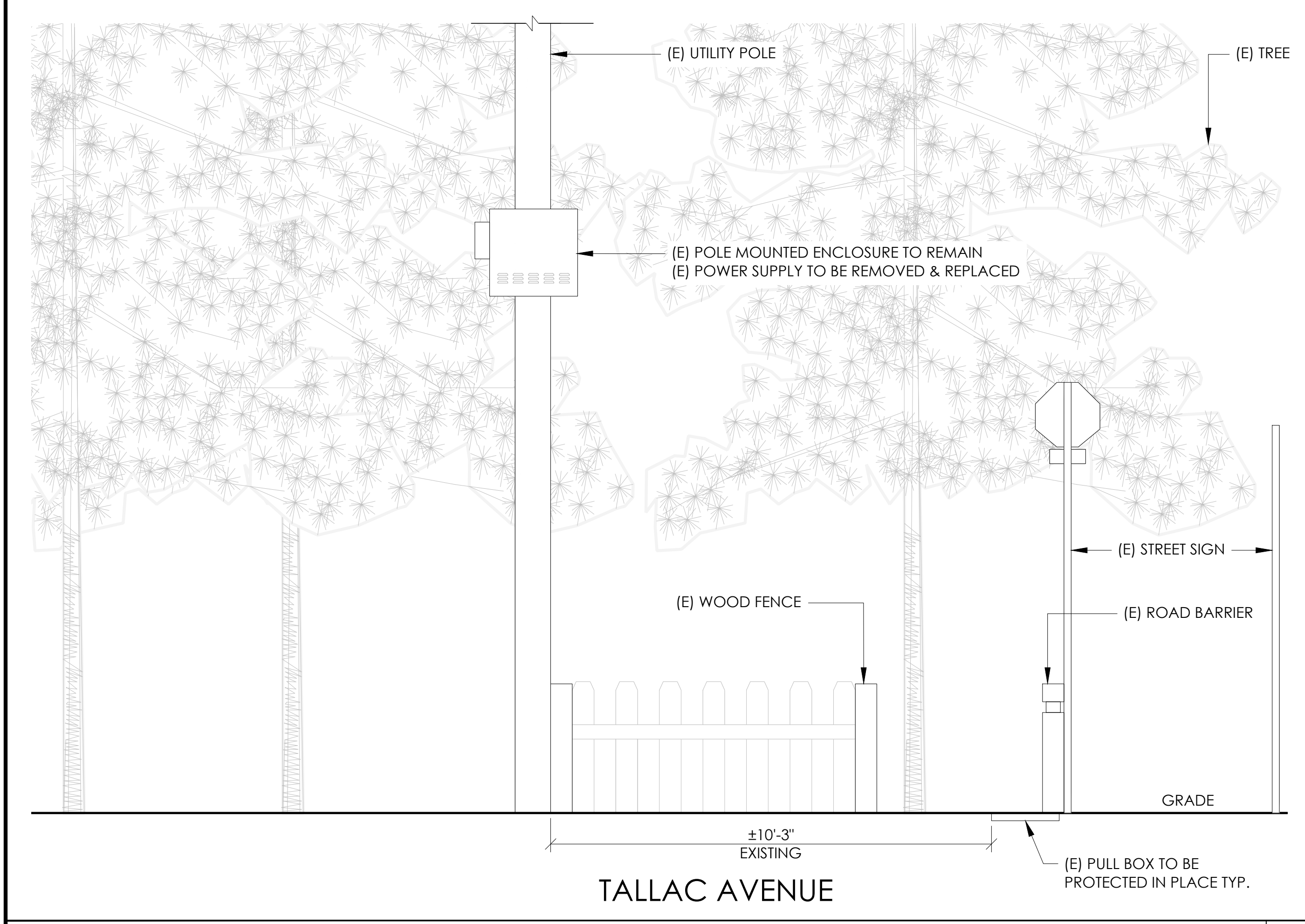
SITE SURVEY
SCALE 1"=10'





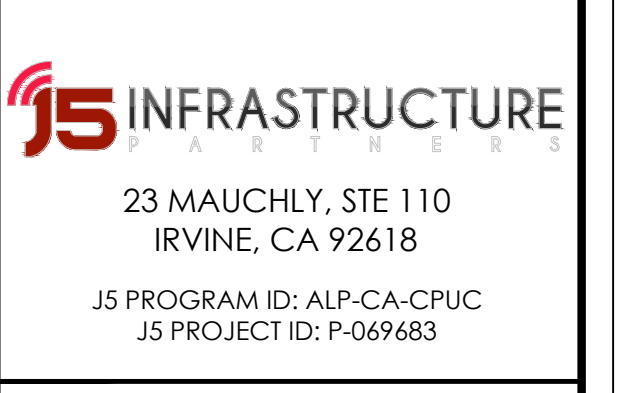
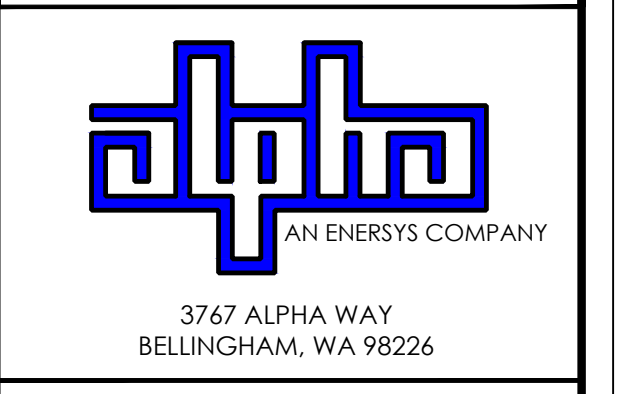
EXISTING ENLARGED SITE PLAN

PROPOSED ENLARGED SITE PLAN



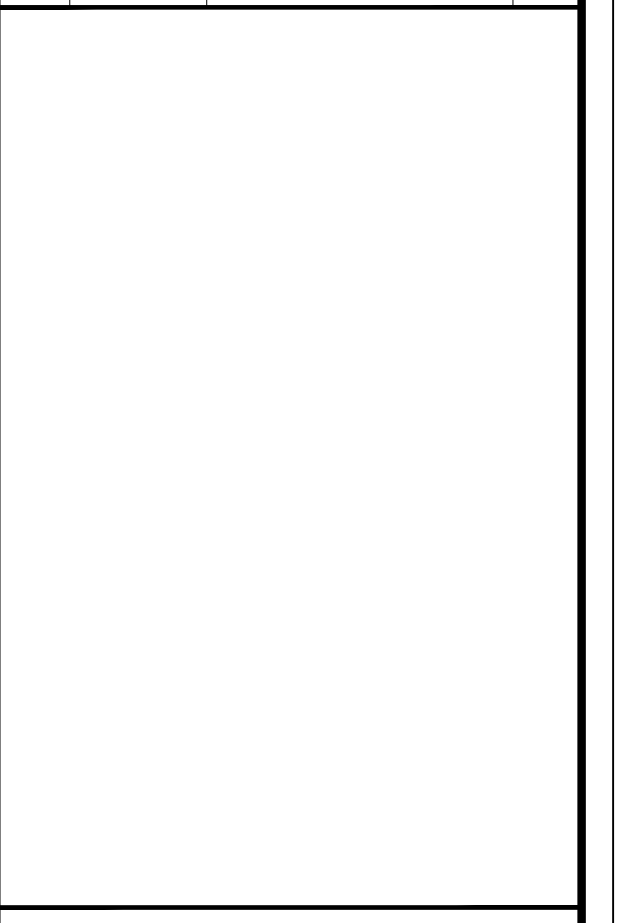
EXISTING ELEVATION

PROPOSED ELEVATION



ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	2/27/21	100% CD	BN
1	12/01/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	05/22/23	100% CD REV PER PCC#2	RD
4	08/22/23	100% CD REV PER PCC#3	ES
5	09/27/23	100% CD REVISION	JG



SITE INFORMATION

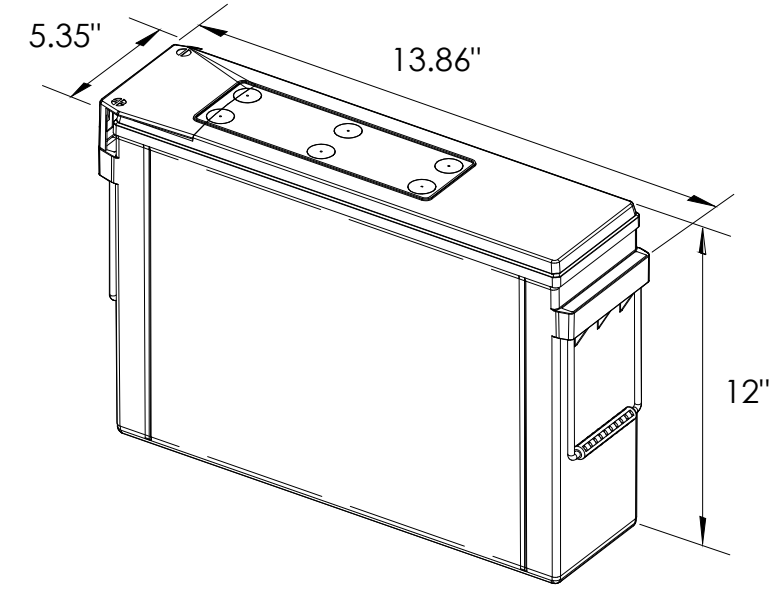
SITE ID:
ST119C_A

SITE ADDRESS:
925 TALLAC AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

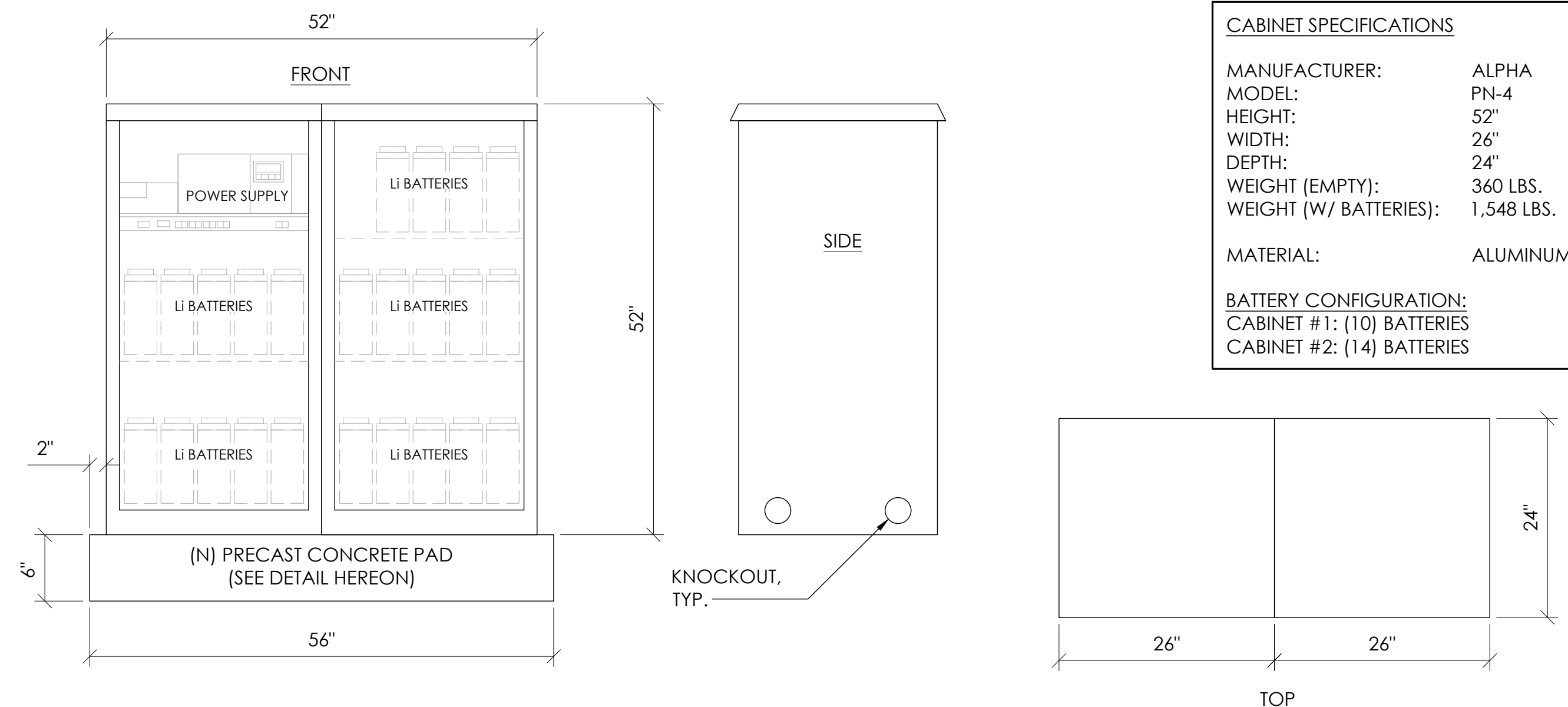
MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN
 WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS

MANUFACTURER: ALPHA
 MODEL: PN-4
 HEIGHT: 52"
 WIDTH: 26"
 DEPTH: 24"
 WEIGHT (EMPTY): 360 LBS.
 WEIGHT (W/ BATTERIES): 1,548 LBS.
 MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
 CABINET #1: (10) BATTERIES
 CABINET #2: (14) BATTERIES

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

Charter Spectrum

9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY

3767 ALPHA WAY
 BELLINGHAM, WA 98226

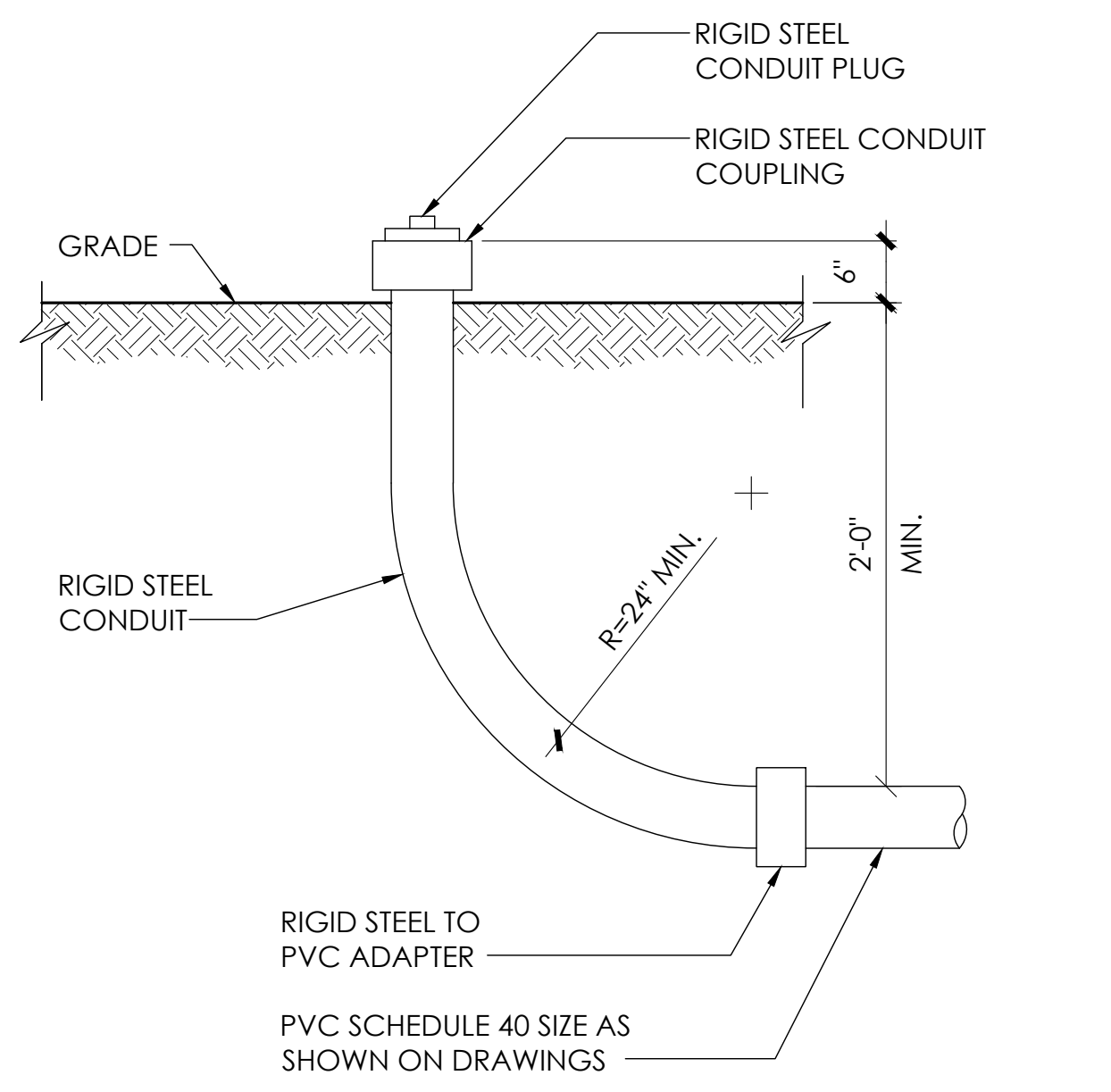
J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069683

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	2/17/21	100% CD	BN
1	12/01/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	05/22/23	100% CD REV PER PCC#2	RD
4	08/22/23	100% CD REV PER PCC#3	ES
5	09/27/23	100% CD REVISION	JG



8 STUB-UP DETAIL
N.T.S.

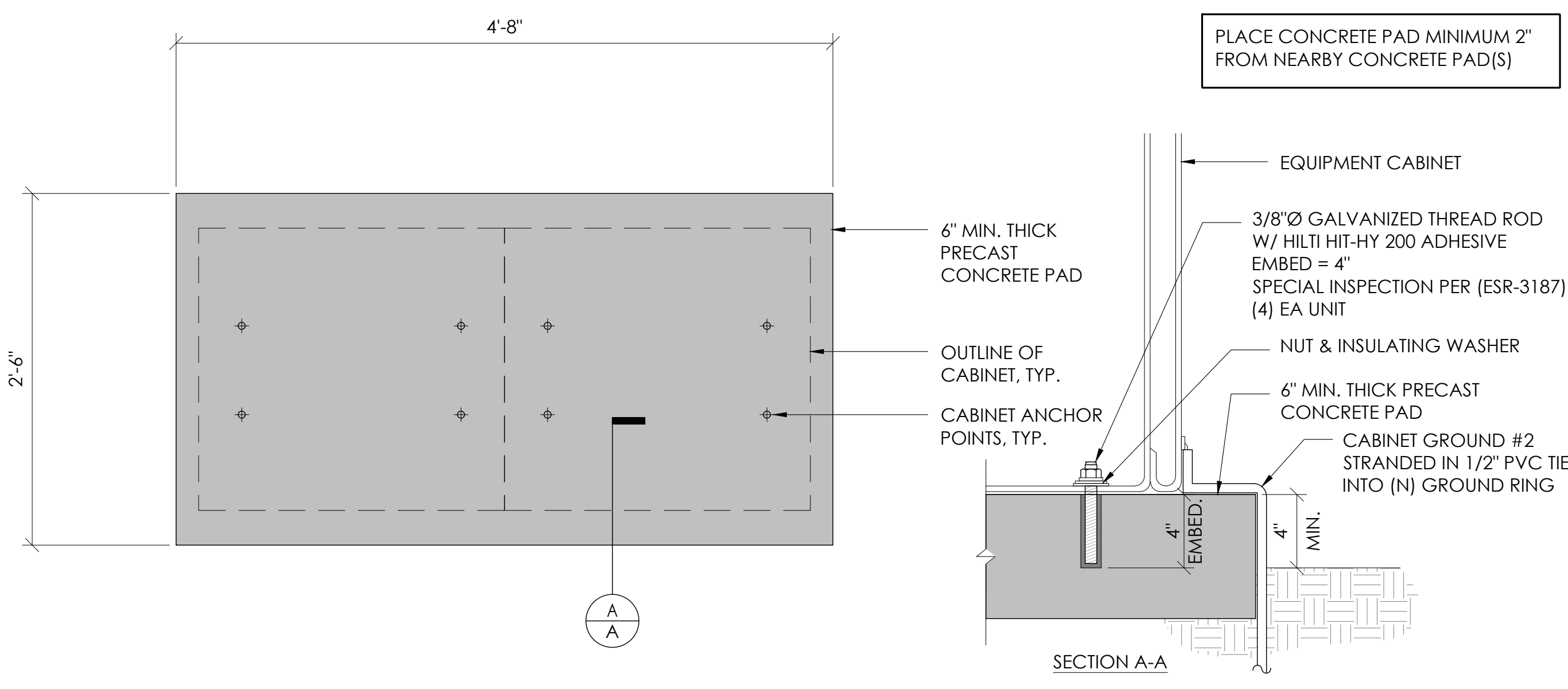
NOTE:
 1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
 OUTPUT VOLTAGE: 63/89V AC

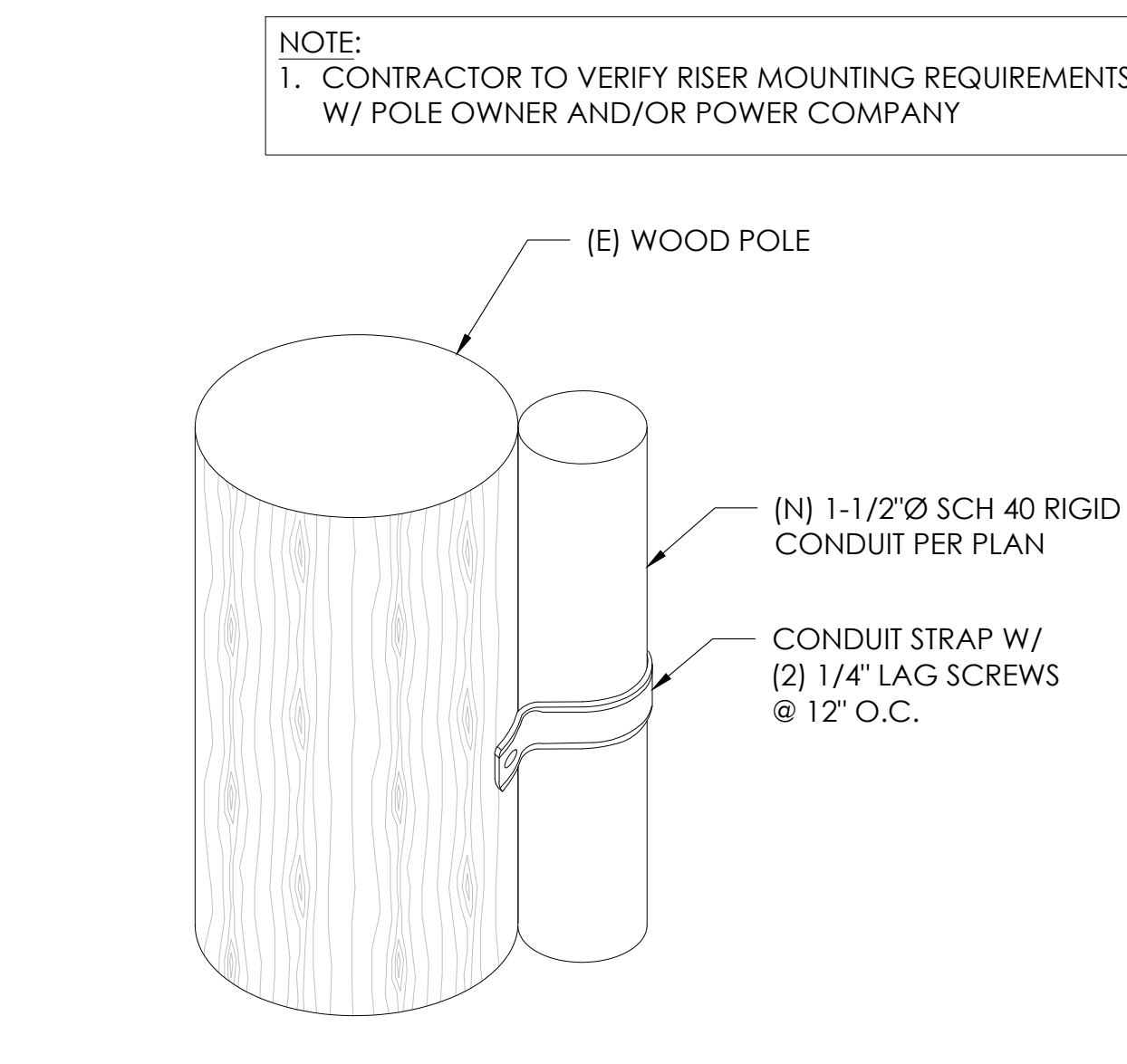
EQUIPMENT SPECIFICATIONS

MFG: ALPHA
 MODEL: XM3.1-HP
 HEIGHT: 7.76 IN
 WIDTH: 16.43 IN
 DEPTH: 10.57 IN
 WEIGHT: 61 LBS

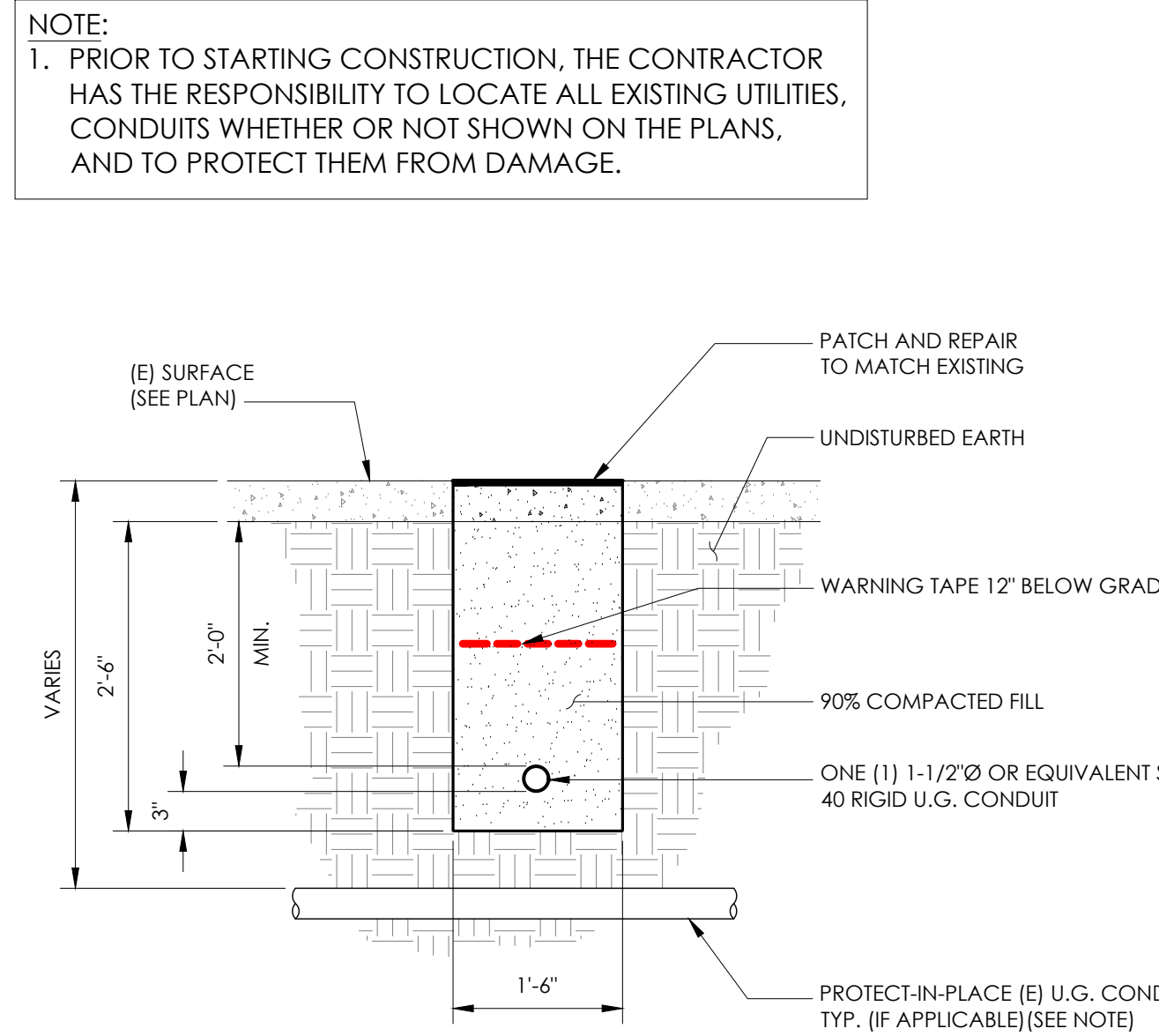
5 POWER SUPPLY DETAIL
N.T.S.



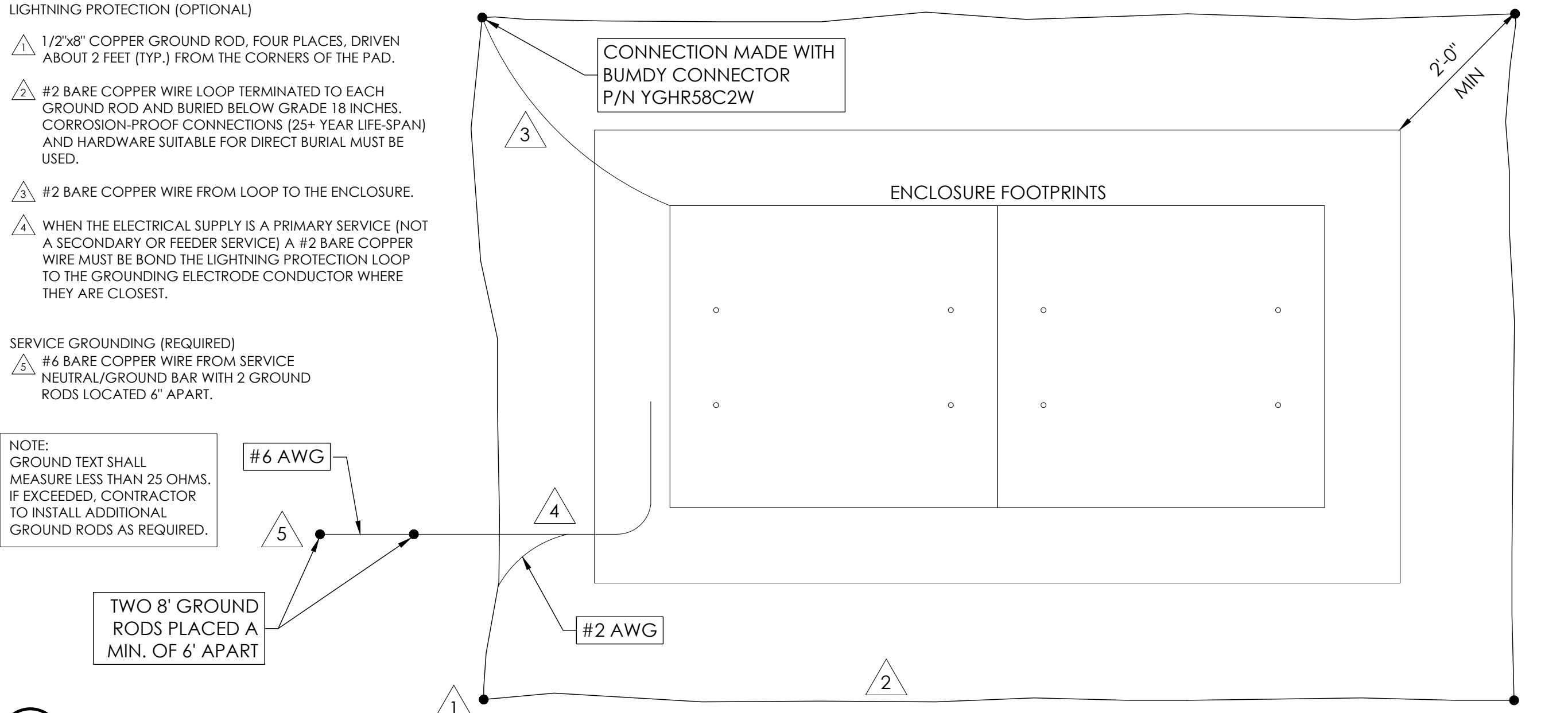
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.

SEAL

FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
 ST119C_A

SITE ADDRESS:
 925 TALLAC AVE,
 SOUTH LAKE TAHOE, CA
 96150

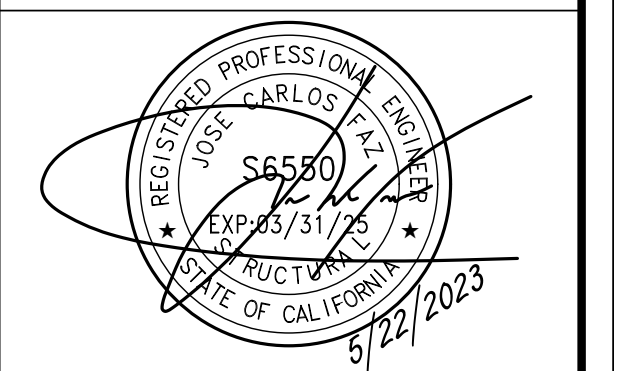
SHEET TITLE:
 DETAILS

D1

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	27/27/21	100% CD	BN
1	12/01/22	100% CD REV PER PCC#1	LG
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3	05/22/23	100% CD REV PER PCC#2	RD
4	08/22/23	100% CD REV PER PCC#3	ES
5	09/27/23	100% CD REVISION	JG

SEAL



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

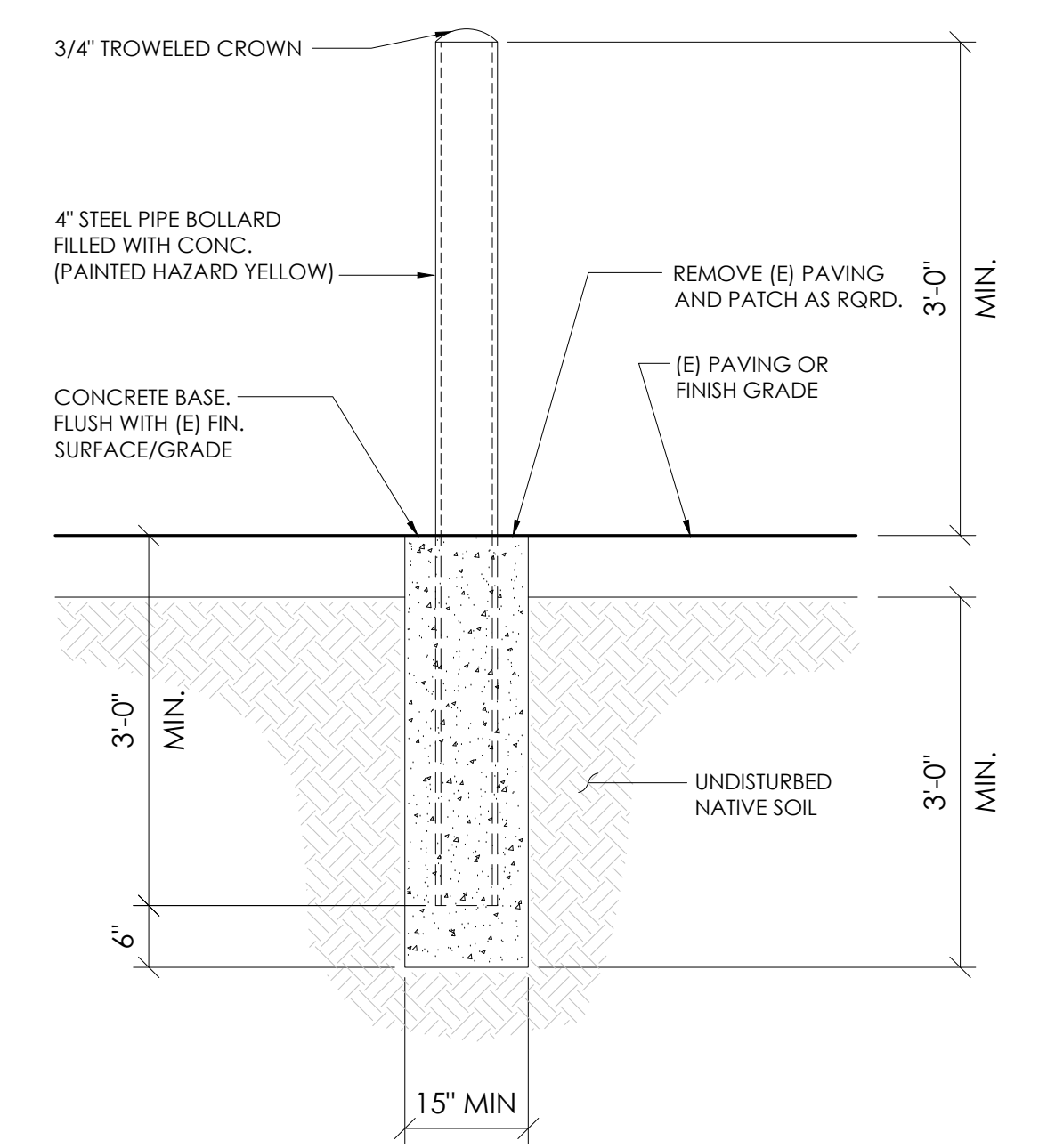
SITE ID: ST119C_A

SITE ADDRESS: 925 TALLAC AVE, SOUTH LAKE TAHOE, CA 96150

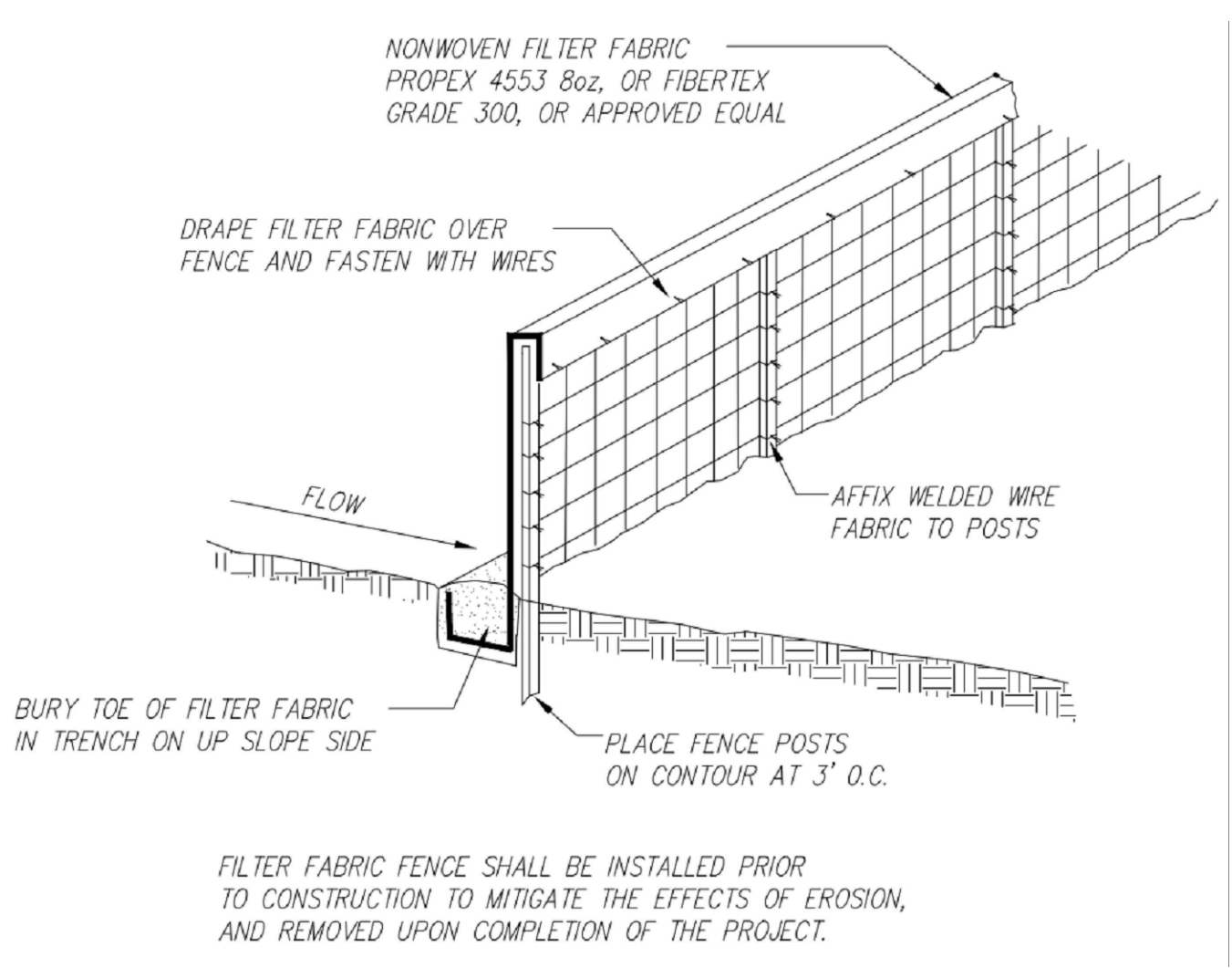
SHEET TITLE:

DETAILS

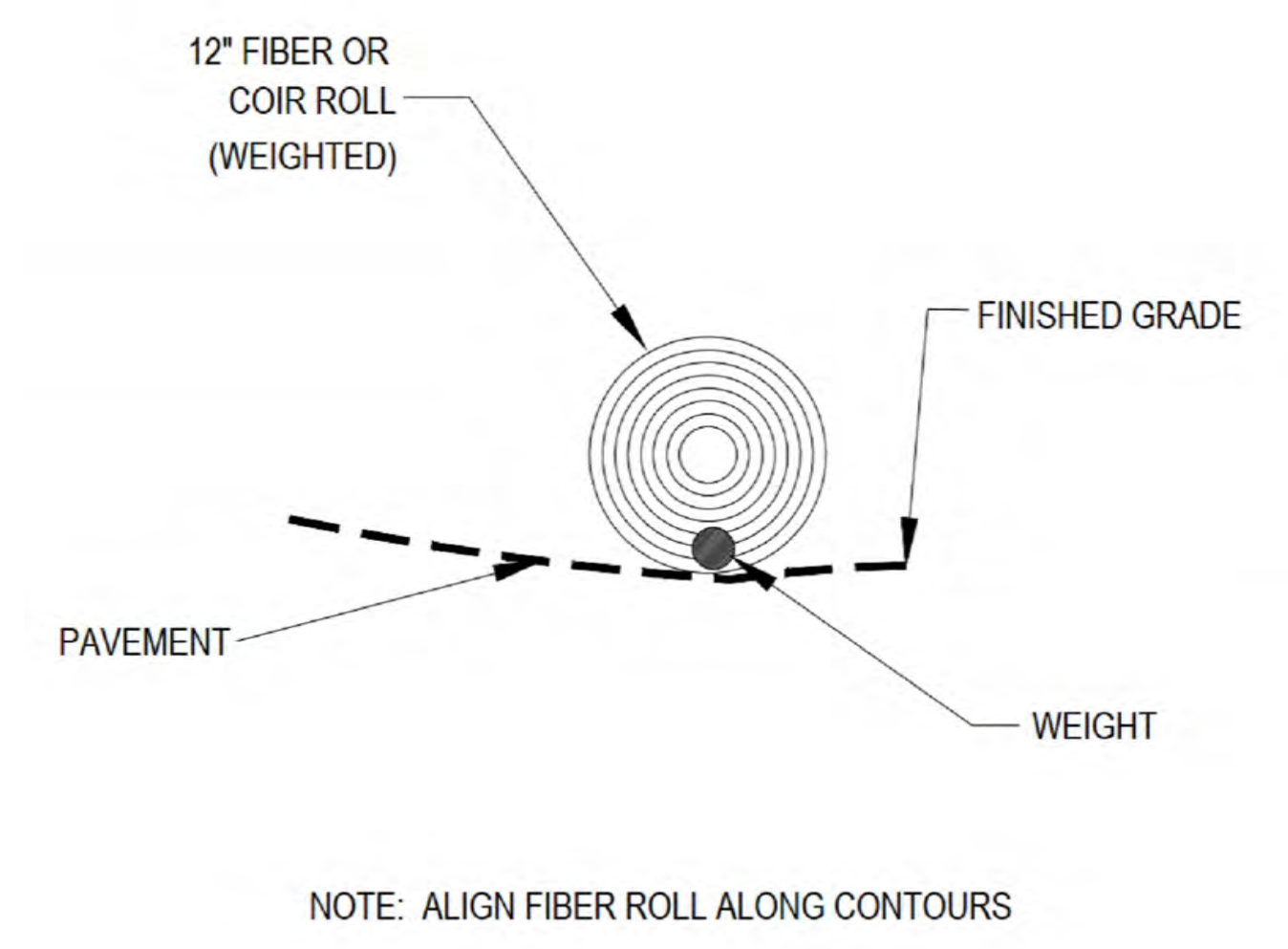
D2



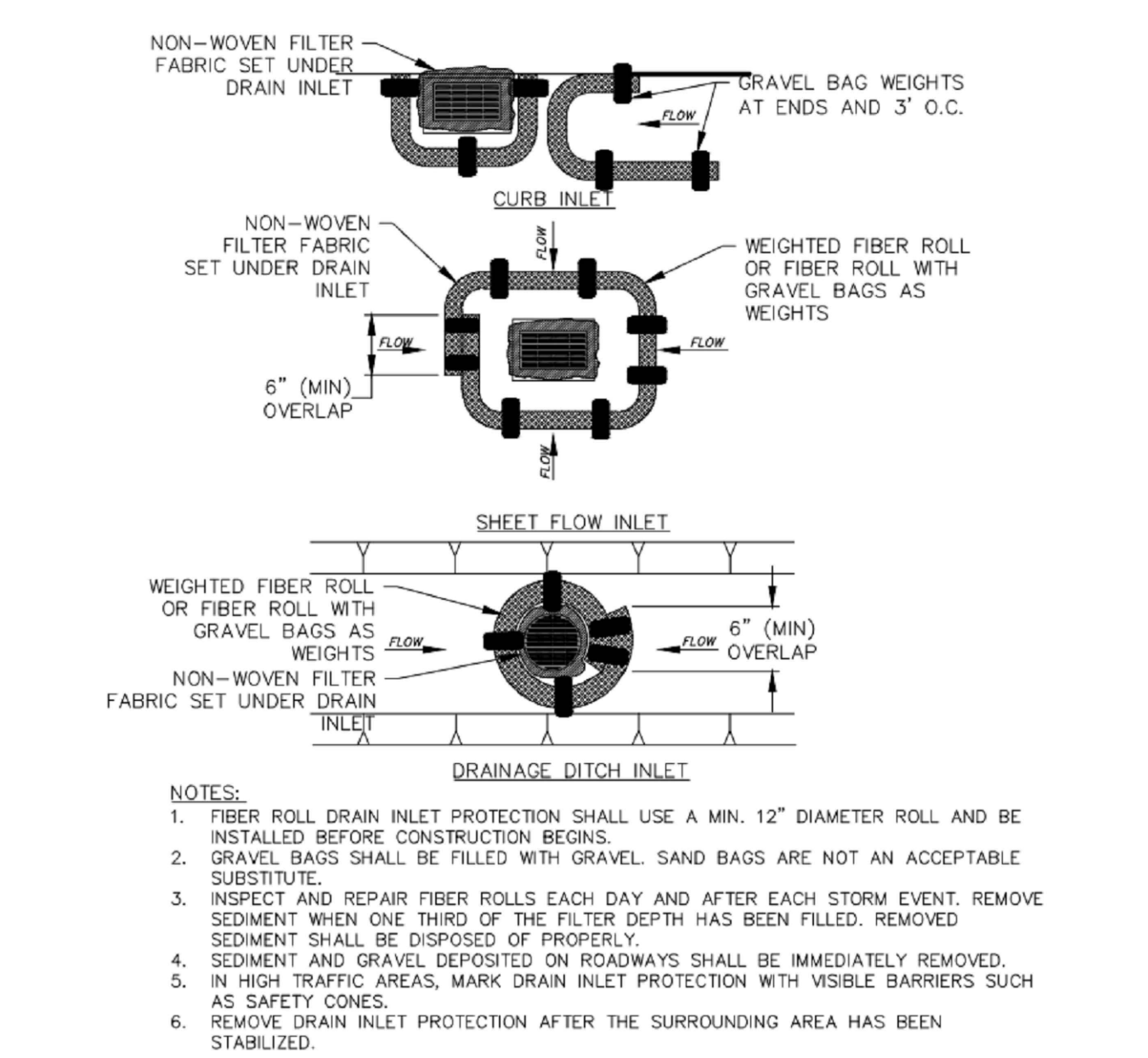
1 BOLLARD DETAIL N.T.S.



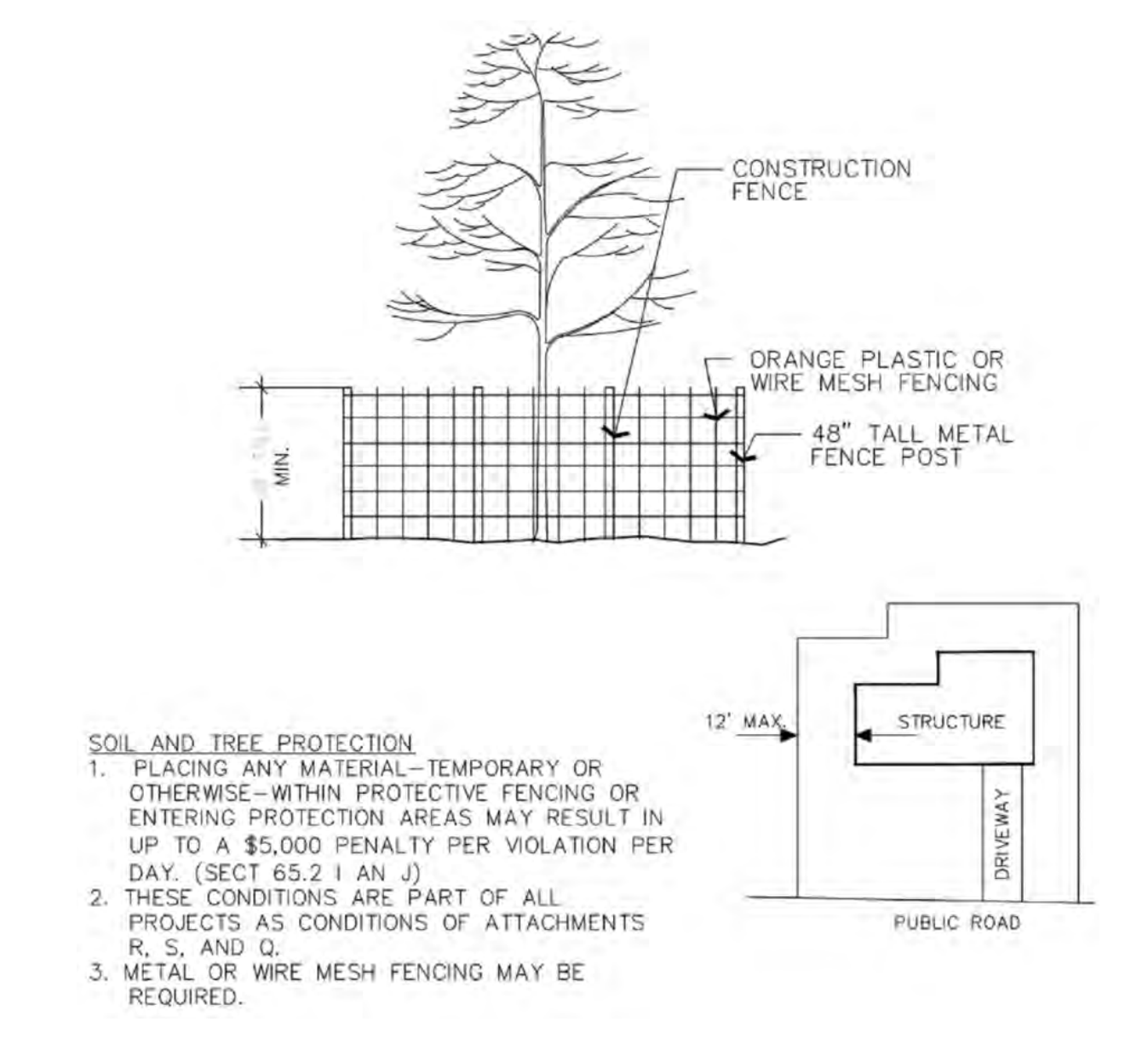
5 EROSION CONTROL FENCING N.T.S.



2 WEIGHTED COIR LOGS N.T.S.



6 FIBER ROLL DRAIN INLET DETAIL N.T.S.



3 VEGETATION PROTECTION FENCING N.T.S.

10 NOT USED N.T.S.

7 NOT USED N.T.S.

11 NOT USED N.T.S.

8 NOT USED N.T.S.

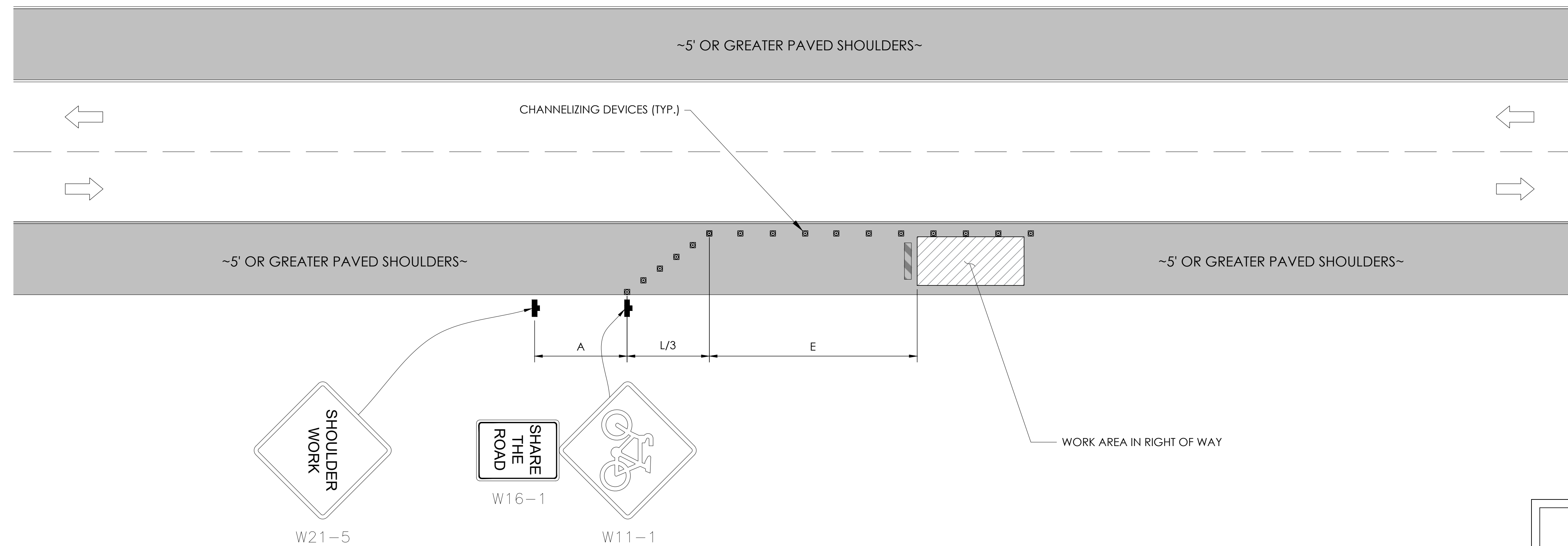
12 NOT USED N.T.S.

9 NOT USED N.T.S.

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



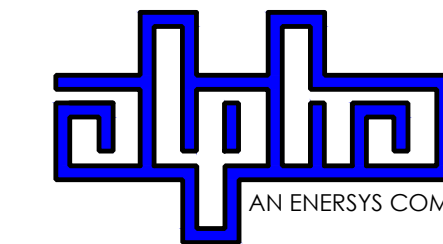
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



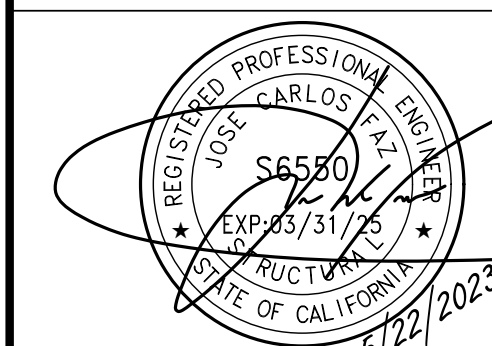
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069683

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
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SEAL



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SITE INFORMATION

**SITE ID:
ST119C_A**

SITE ADDRESS:
925 TALLAC AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

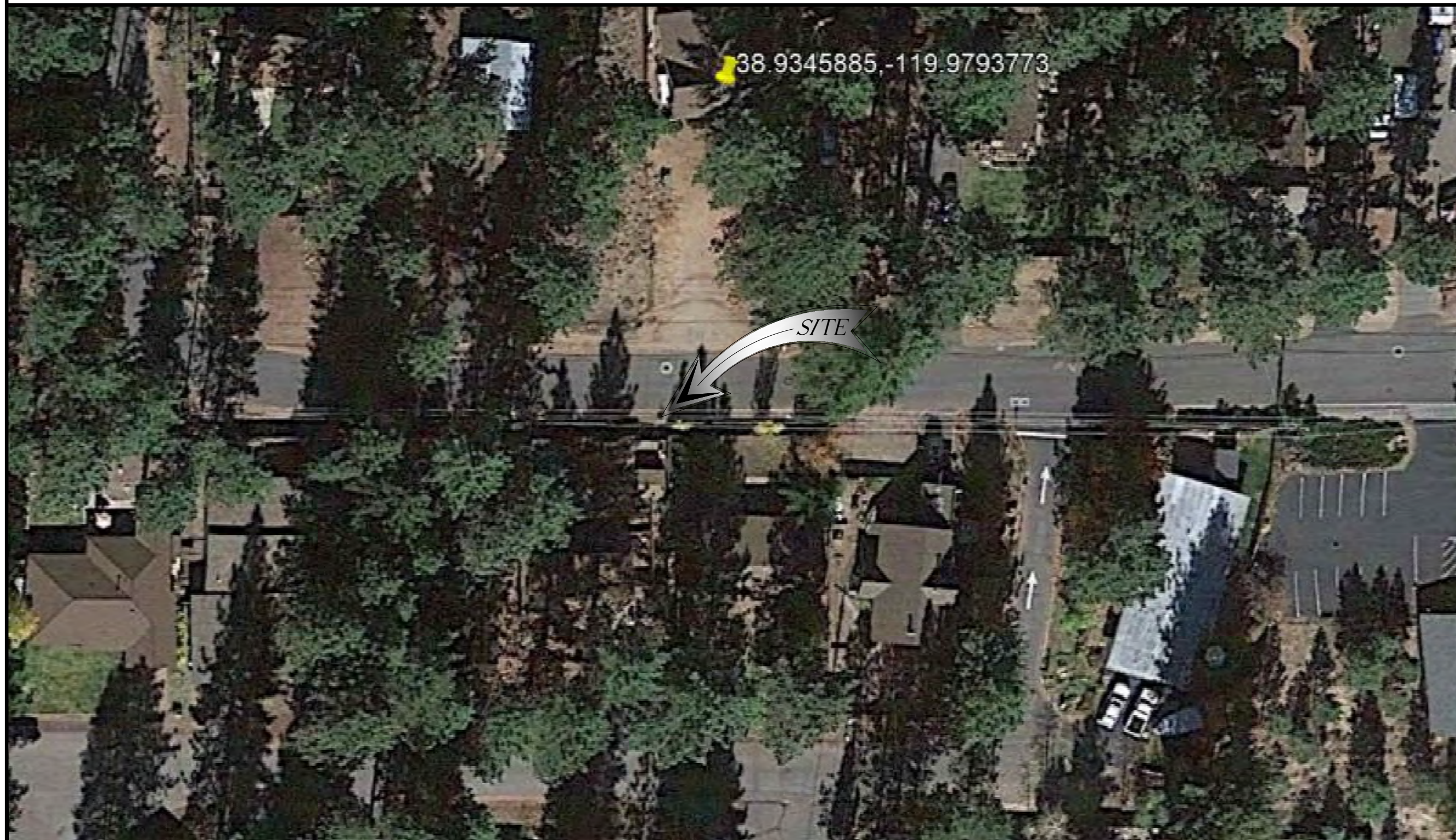
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP

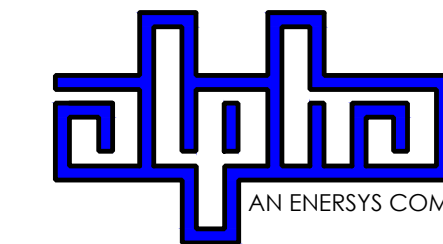


SITE ID: ST121C_A

SITE ADDRESS:
955 TULARE AVE,
SOUTH LAKE TAHOE, CA 96150



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058518

2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

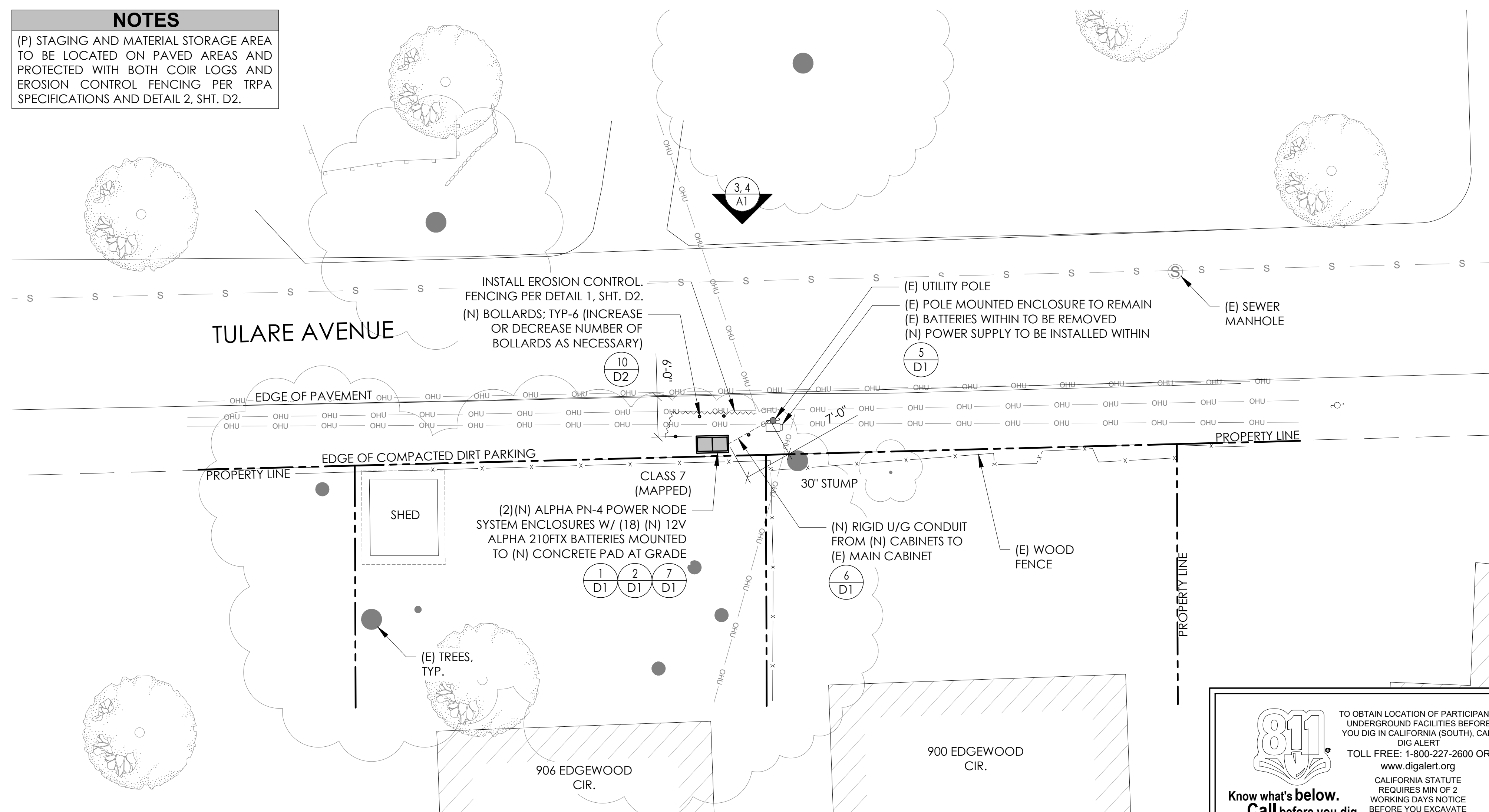
SITE ADDRESS:	955 TULARE AVE SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9345885, -119.9793773
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	6
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	0.5 C.Y.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	SM
B	07/30/21	90% CD	KV
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	06/13/23	100% CD REV PER PPC#1	RD
4	10/15/23	SURVEY SHT / BOLLARD ADD	MZ

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5p.com 23 MAULCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

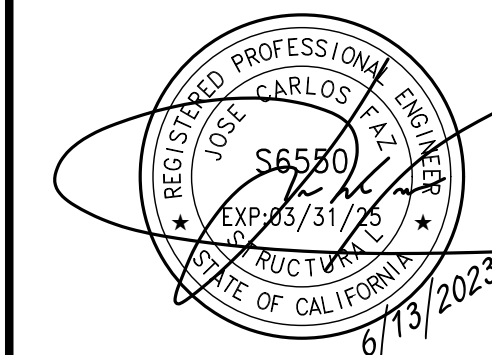
1. CALIFORNIA BUILDING STANDARDS CODE, 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANS/ITIA-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID:
ST121C_A

SITE ADDRESS:
955 TULARE AVE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

TITLE SHEET

T1

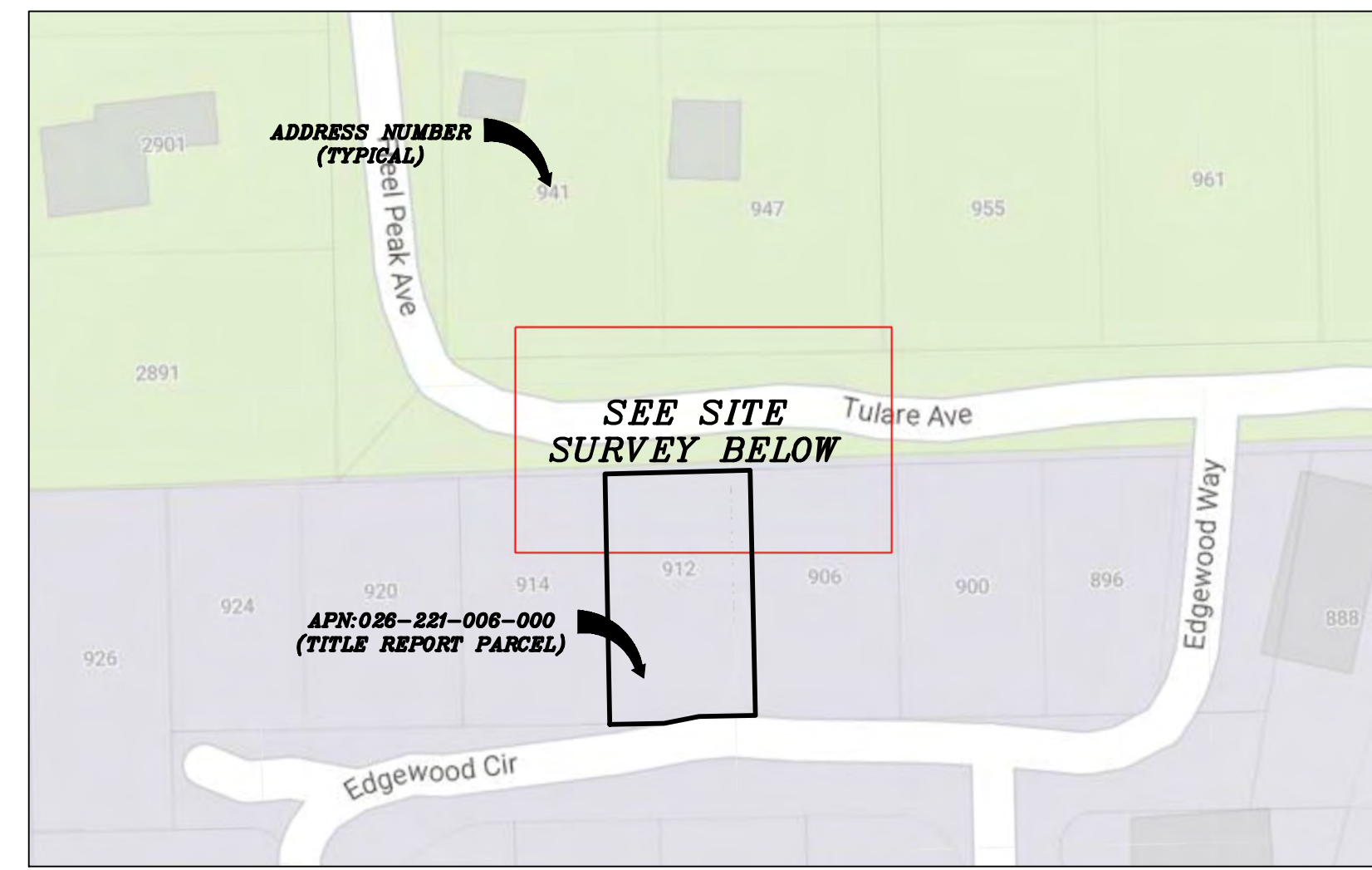
SITE PLAN

24"x36" SCALE: 1" = 10'-0"
11"x17" SCALE: 1" = 20'-0"

NORTH



VICINITY MAP
N.T.S.



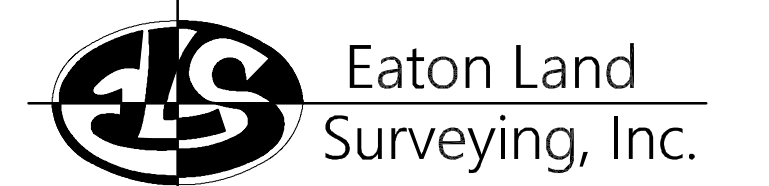
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

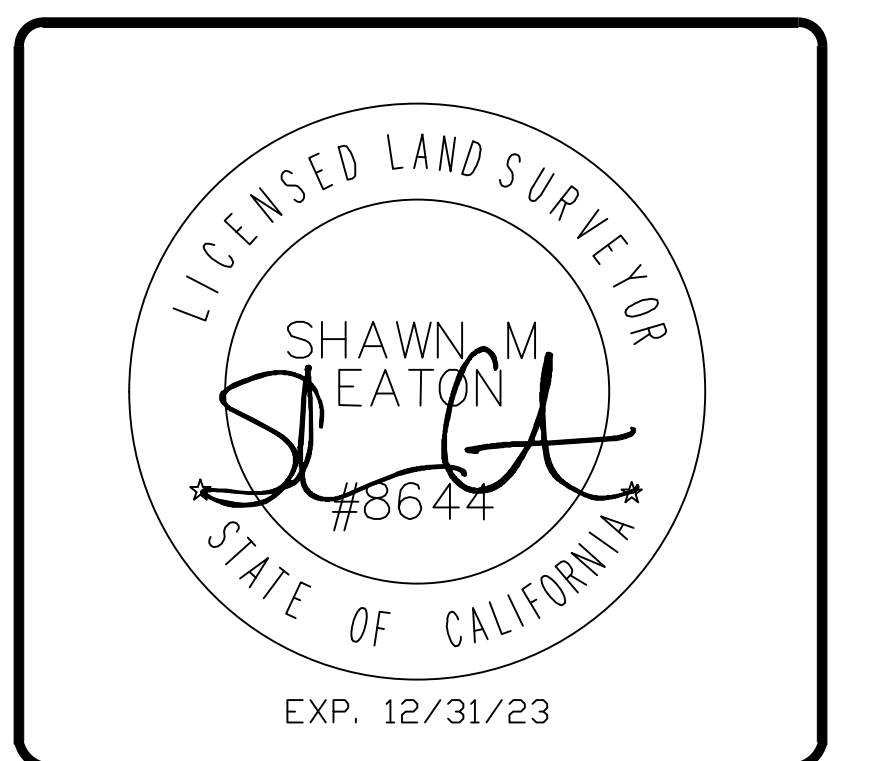
ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/07/23	SUBMITTAL



PROJECT INFORMATION:
ST121C_A
955 TULARE AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/26/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

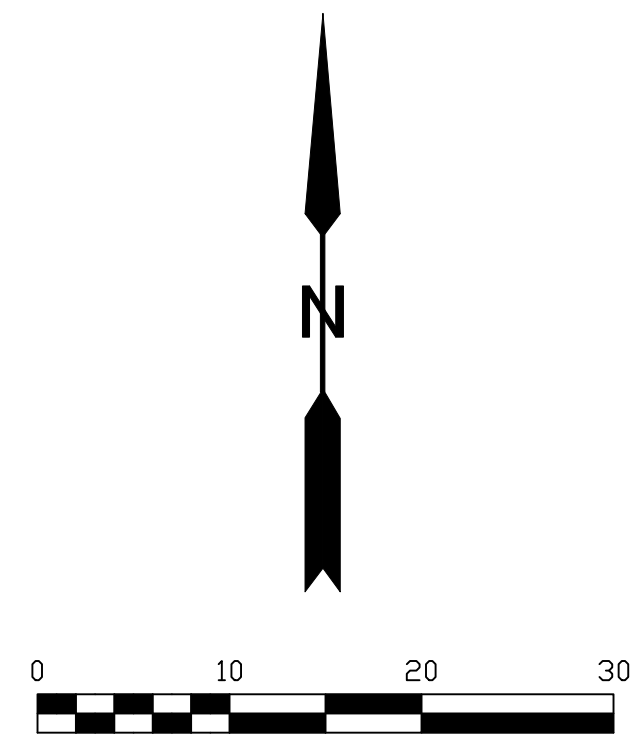
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0386F, DATED 04/03/2012.

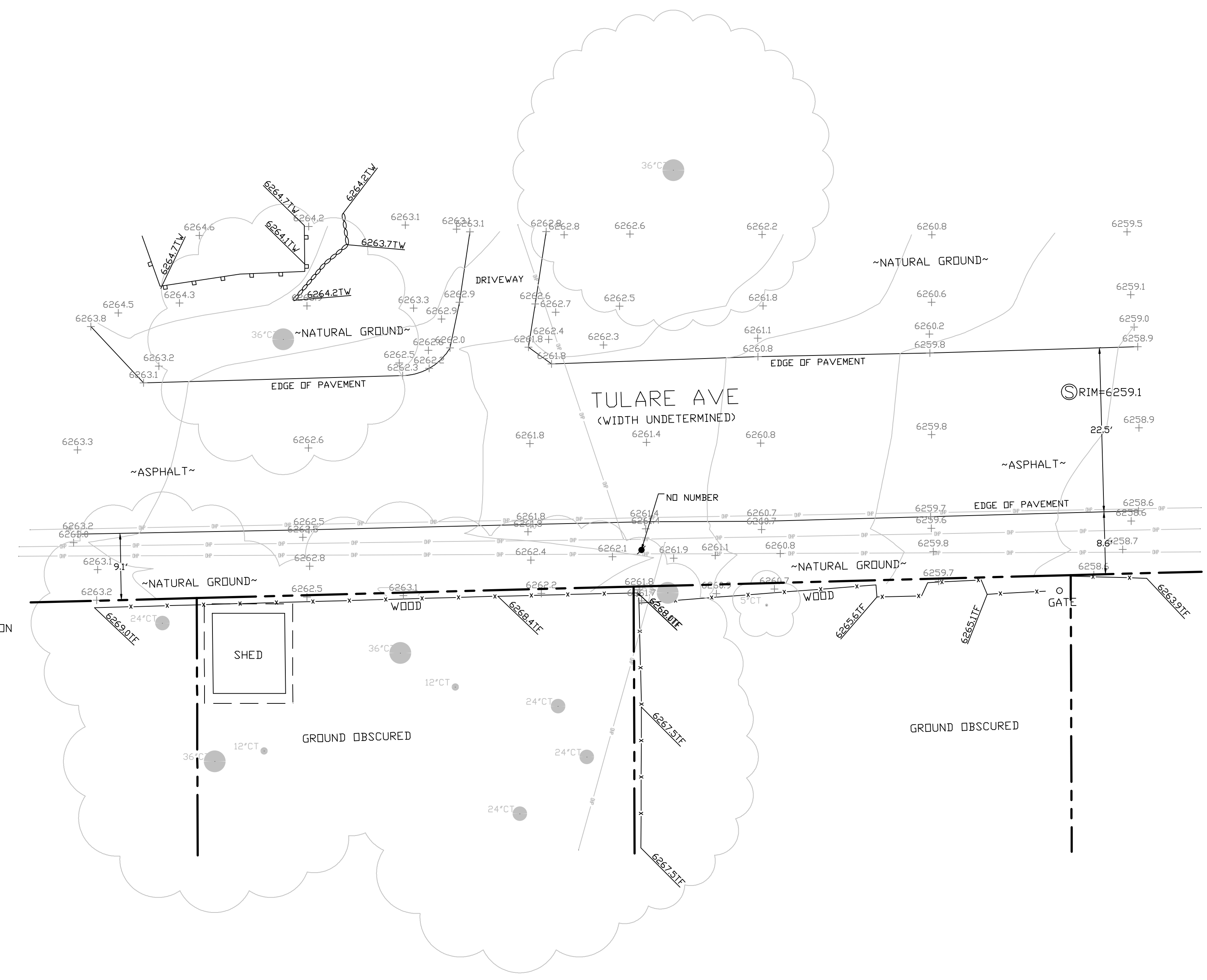
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 72 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 026-221-006-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7042222 DATED 09/27/2023;

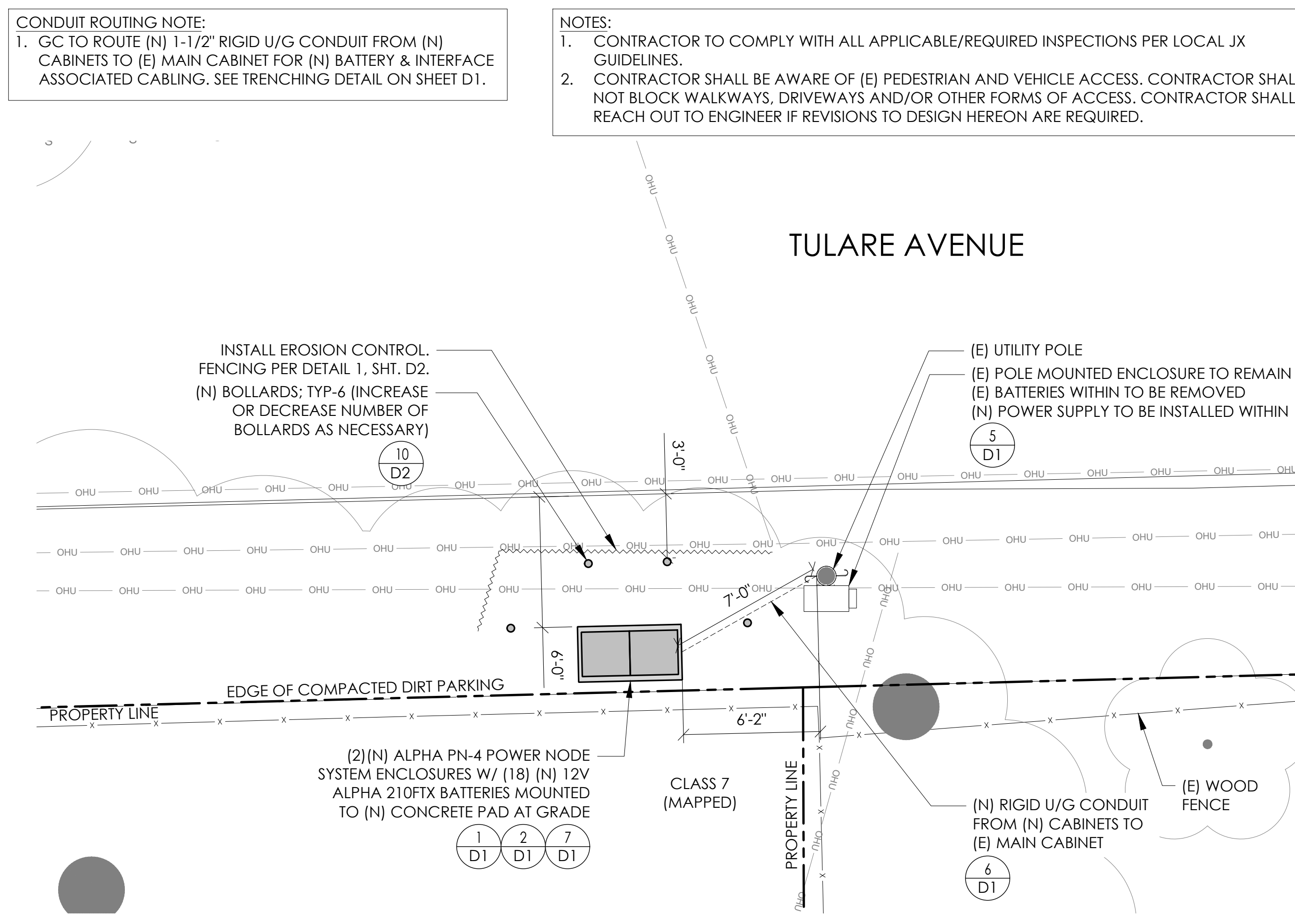
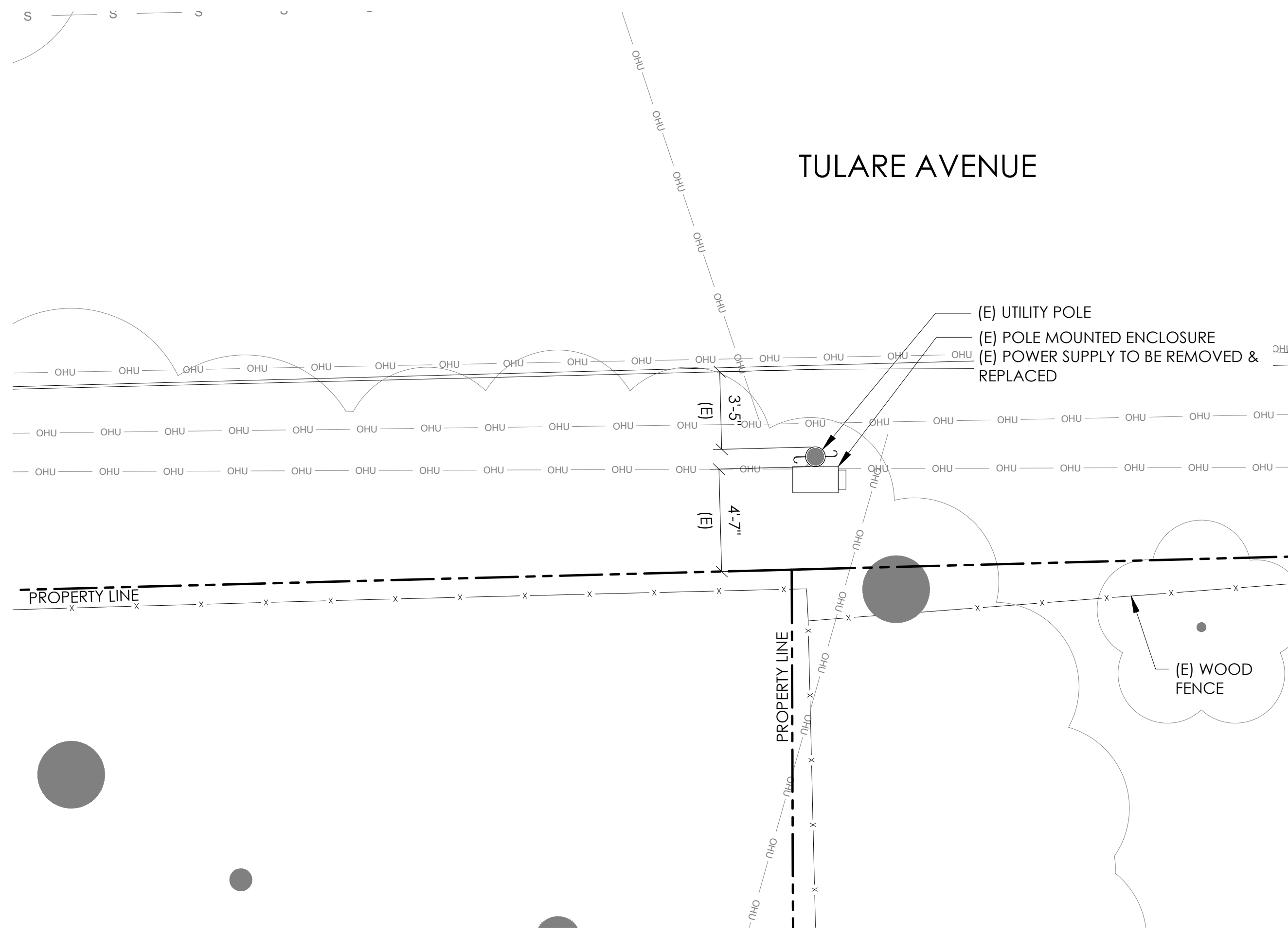


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'



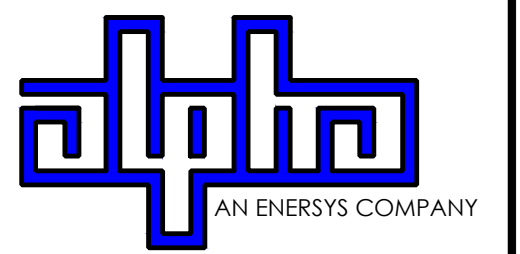


CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



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 BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058518

ISSUE STATUS

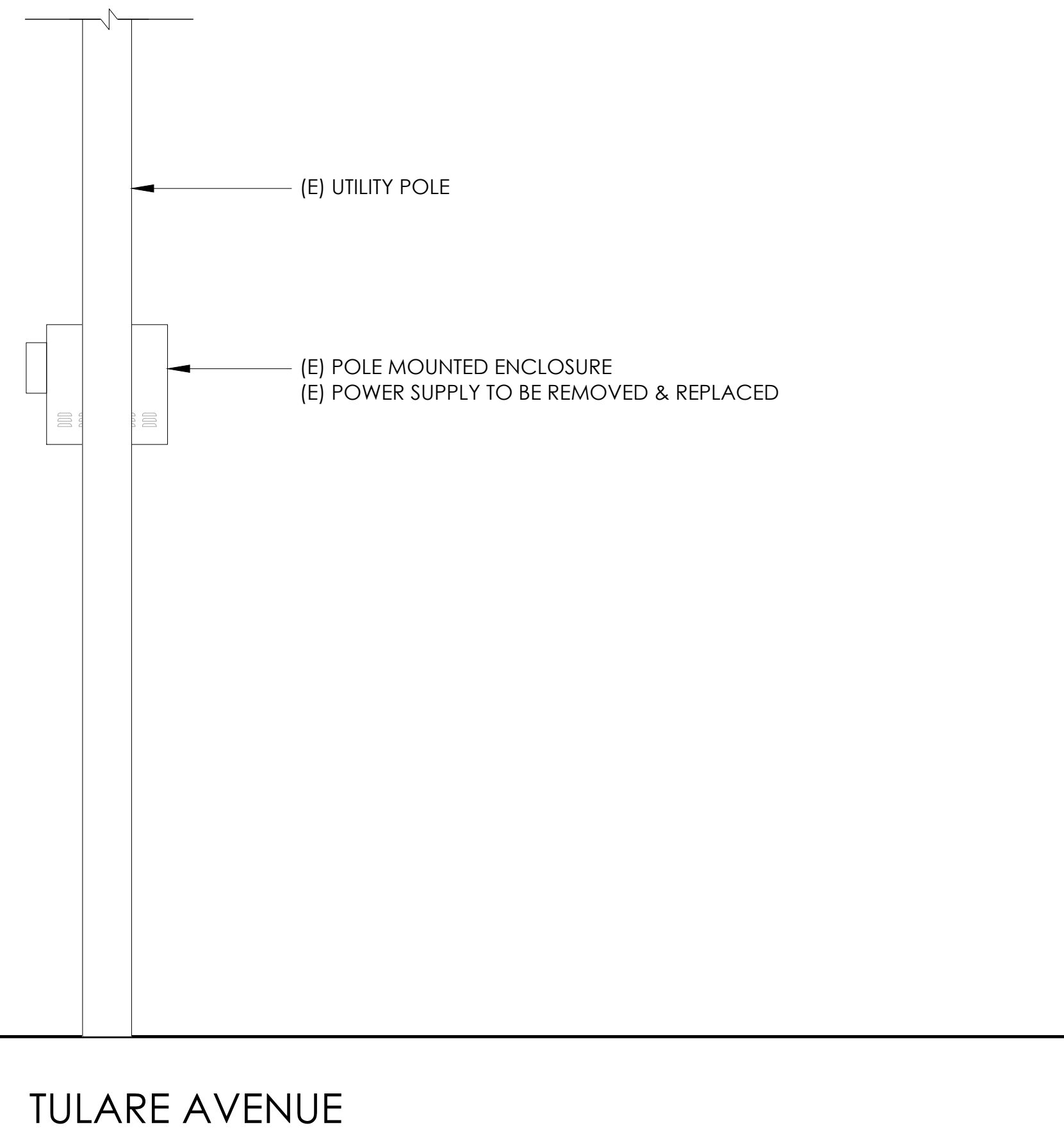
REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	SM
B	07/30/21	90% CD	KV
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	06/13/23	100% CD REV PER PPC#1	RD
4	10/19/23	SURVEY SHT / BOLLARD ADD	MZ

EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0"

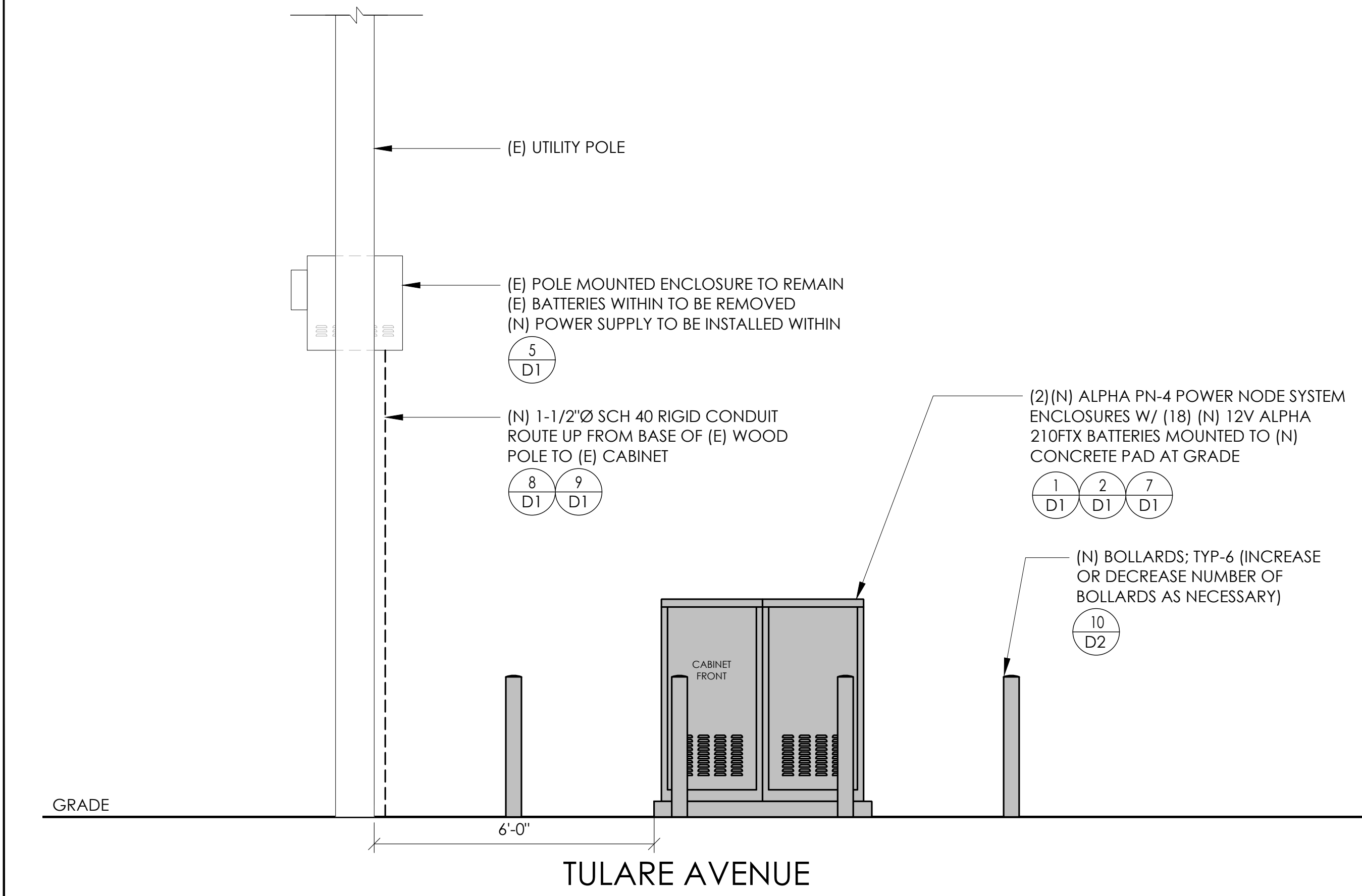
PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0"



EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0"



PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0"

SEAL

6/13/2023

SITE INFORMATION

**SITE ID:
 ST121C_A**

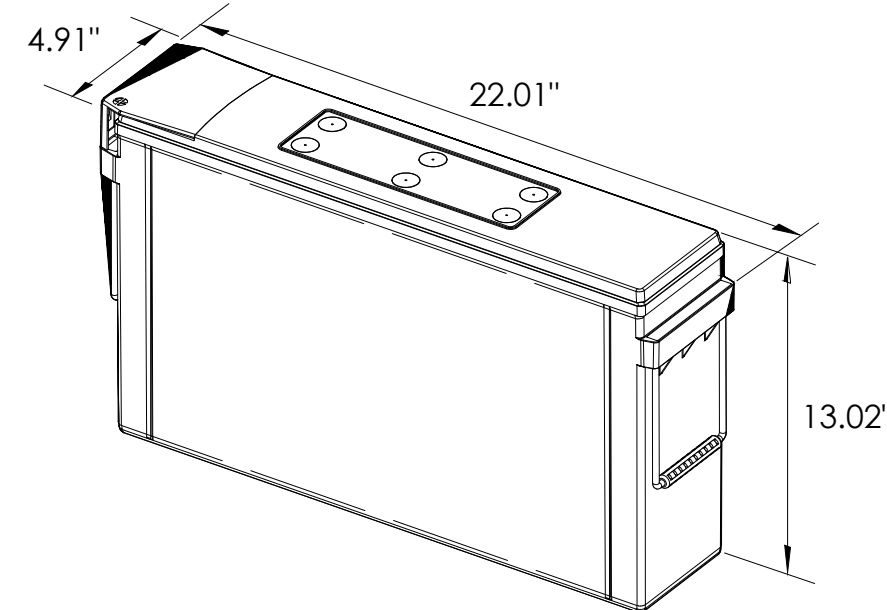
SITE ADDRESS:
 955 TULARE AVE,
 SOUTH LAKE TAHOE,
 CA 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT

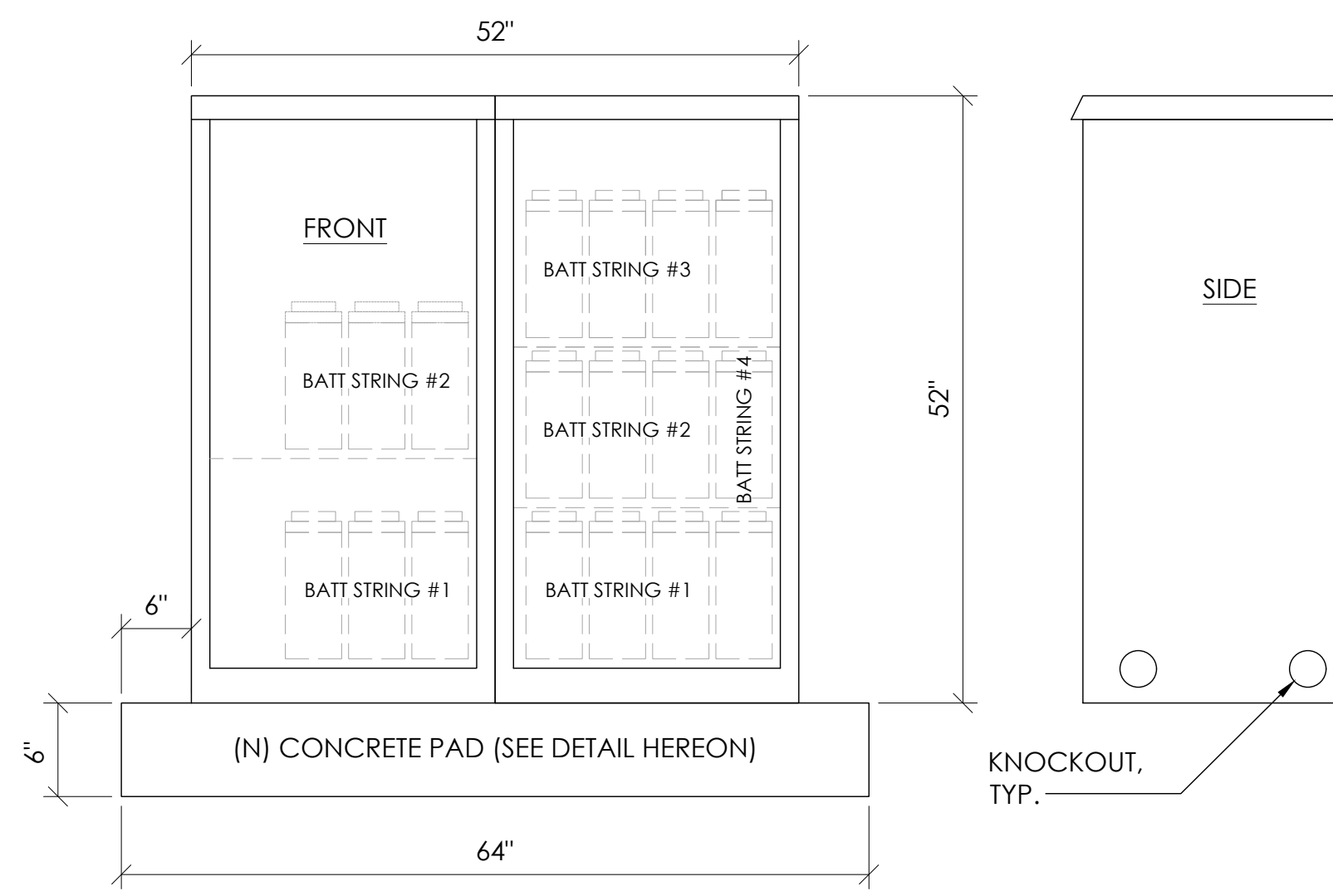


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

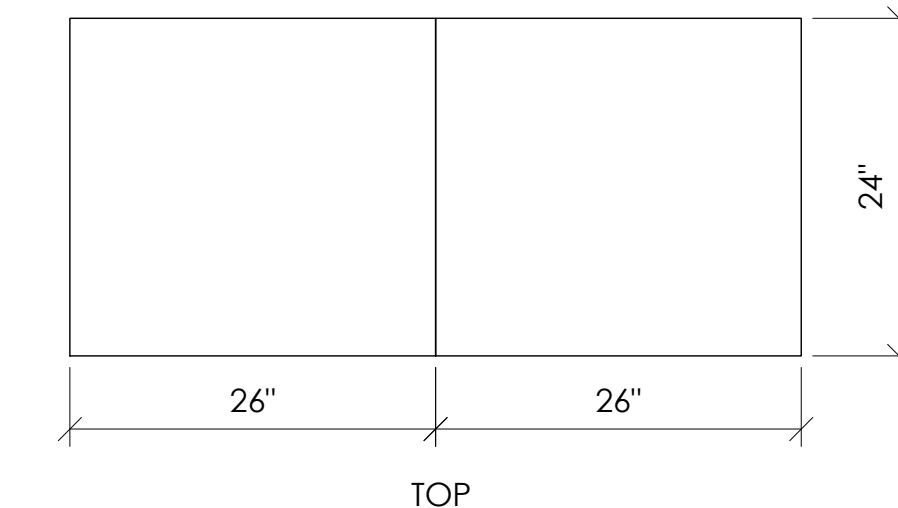
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

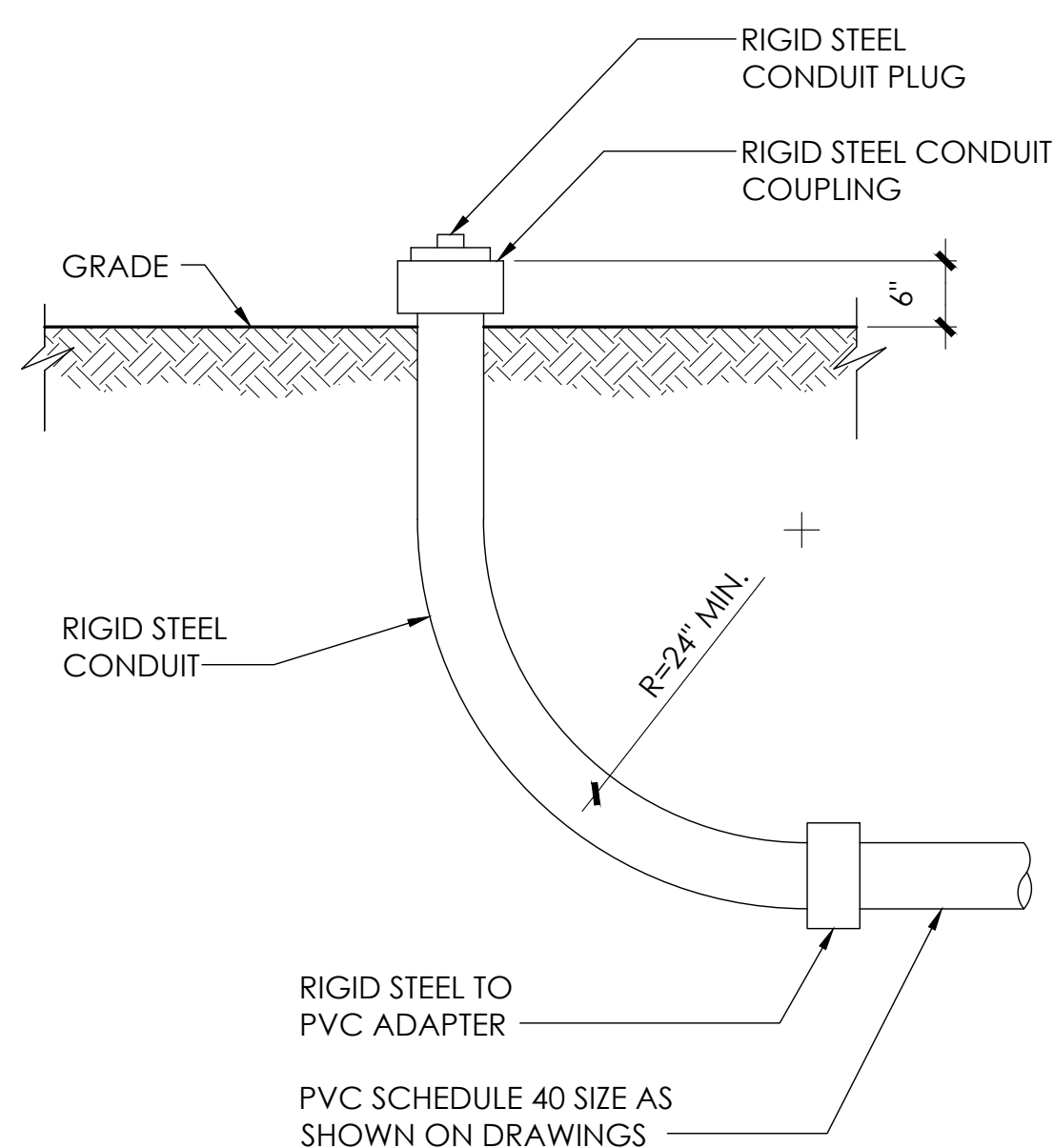


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	
CABINET #1:	(4) BATTERY STRINGS
CABINET #2:	(2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

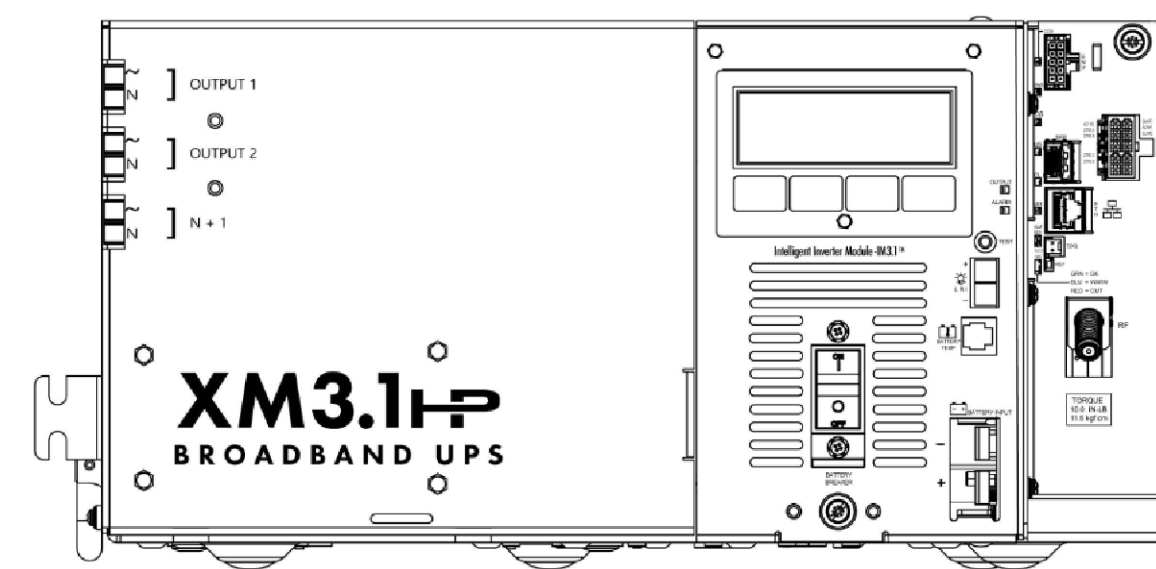


8 STUB-UP DETAIL
N.T.S.

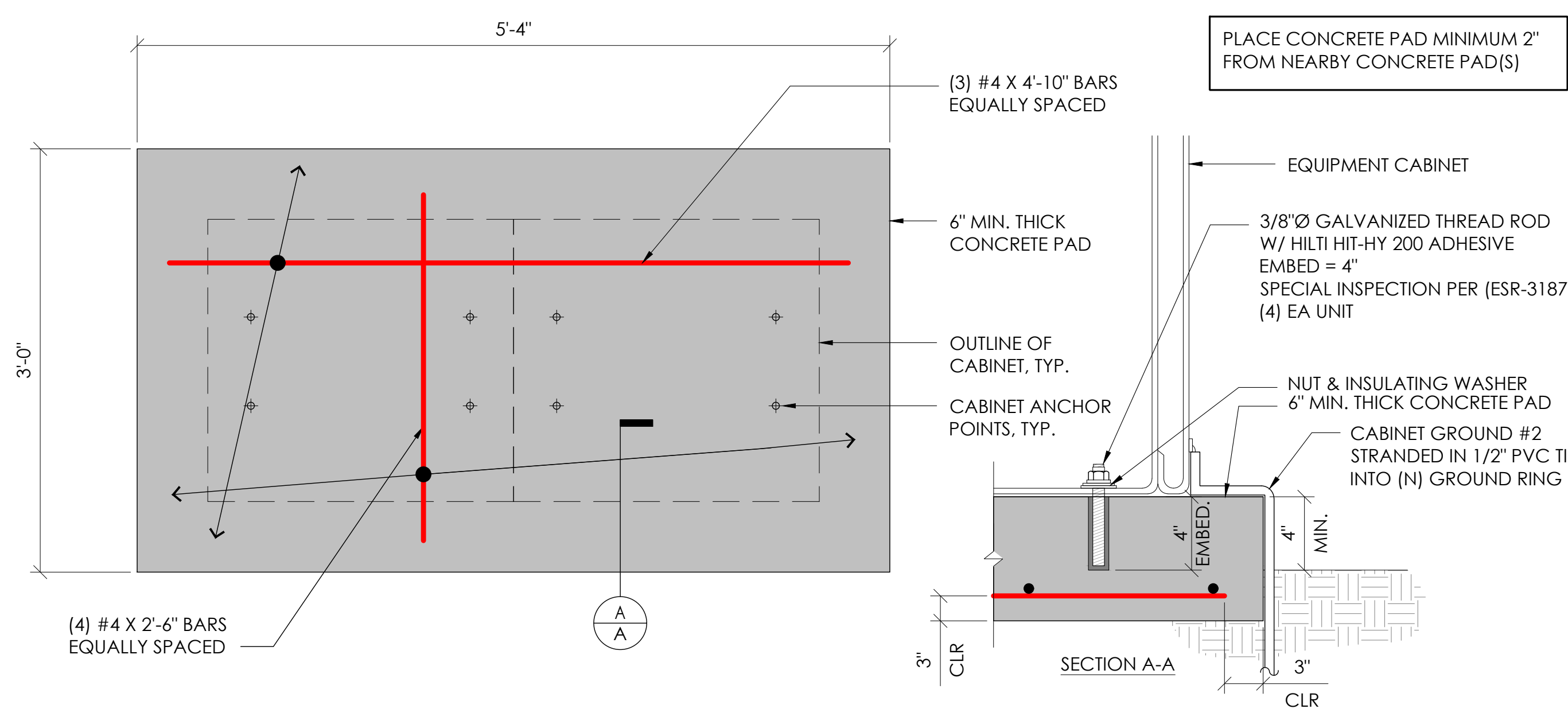
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

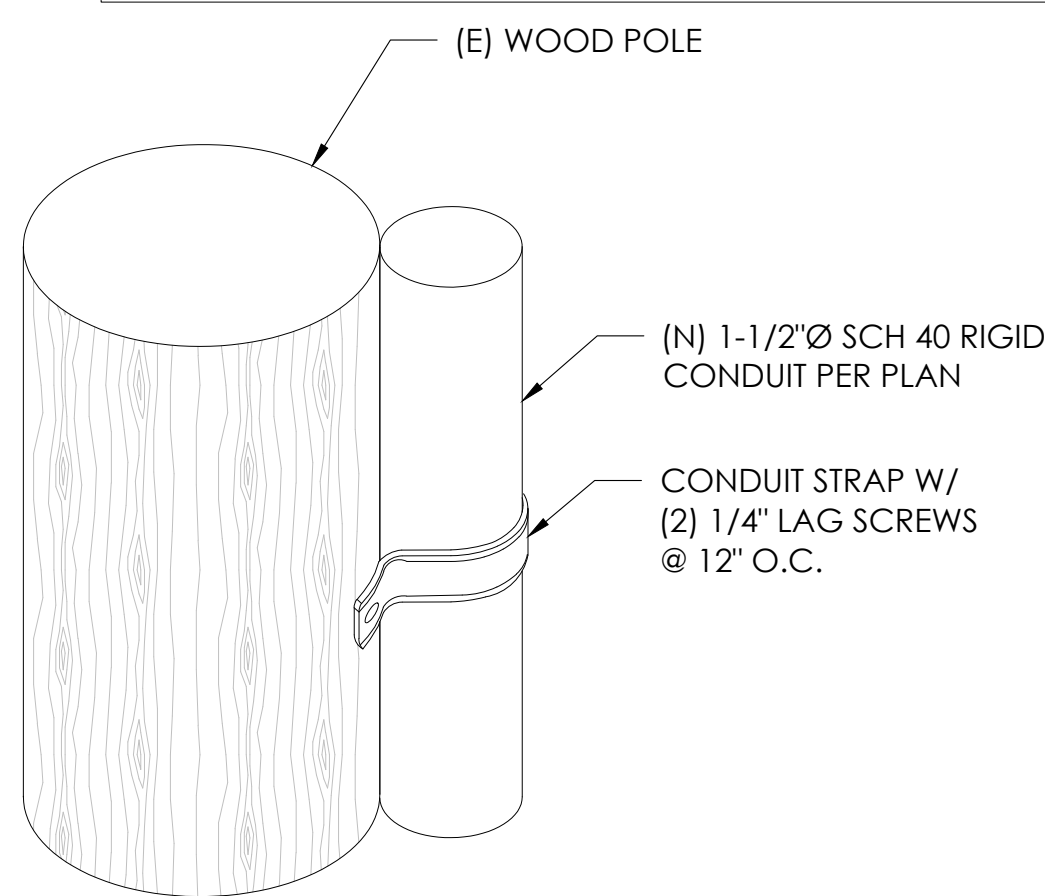


5 POWER SUPPLY DETAIL
N.T.S.



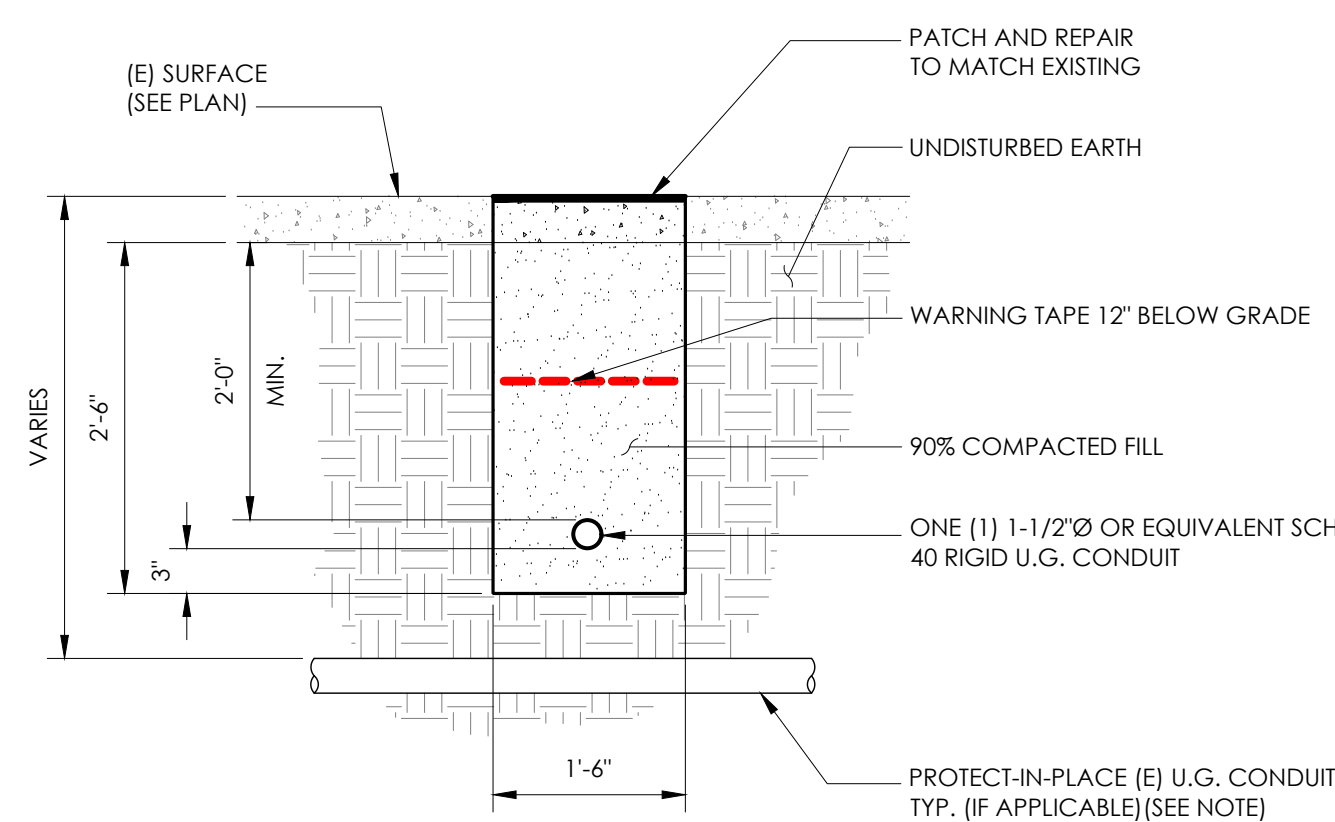
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. CONTRACTOR TO VERIFY RISER MOUNTING REQUIREMENTS W/ POLE OWNER AND/OR POWER COMPANY



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



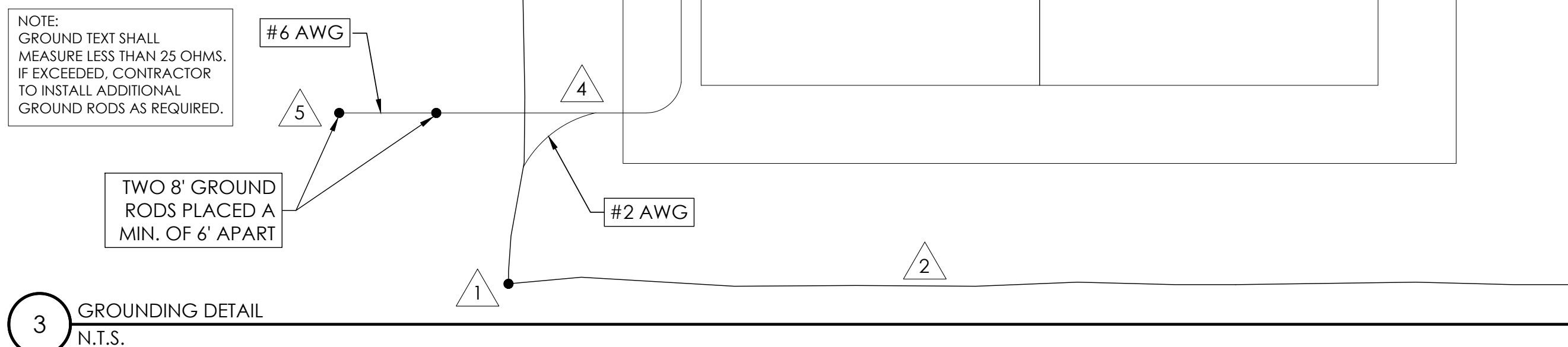
6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

- 1/2x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)
#6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6" APART.

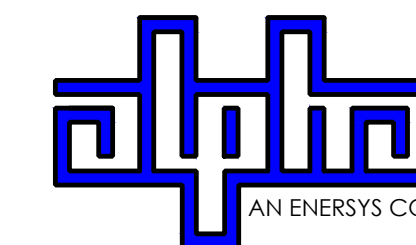
NOTE:
GROUND TEST SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.



3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



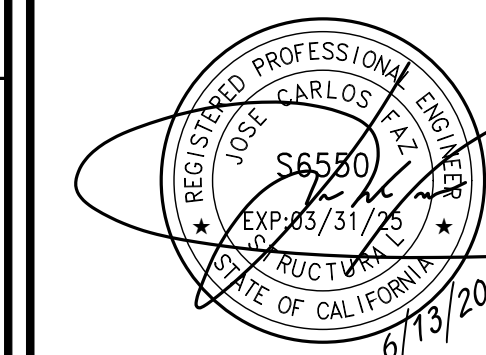
23 MAUCHLY, STE 110
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J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058518

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	SM
B	07/30/21	90% CD	KV
0	08/26/21	100% CD	TT
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3	06/13/23	100% CD REV PER PPC#1	RD
4	10/19/23	SURVEY SHOT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

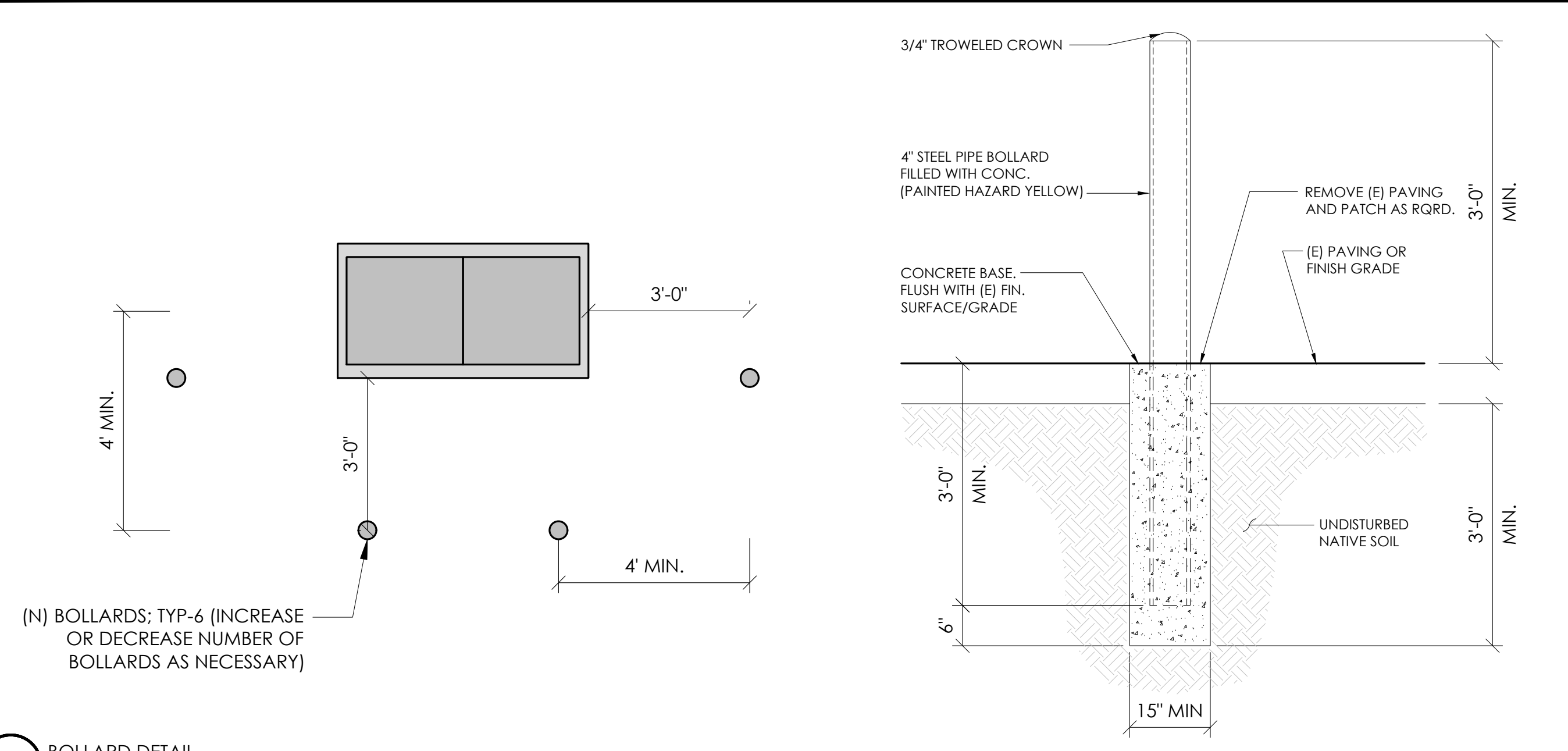
SITE ID:
ST121C_A

SITE ADDRESS:
955 TULARE AVE,
SOUTH LAKE TAHOE,
CA 96150

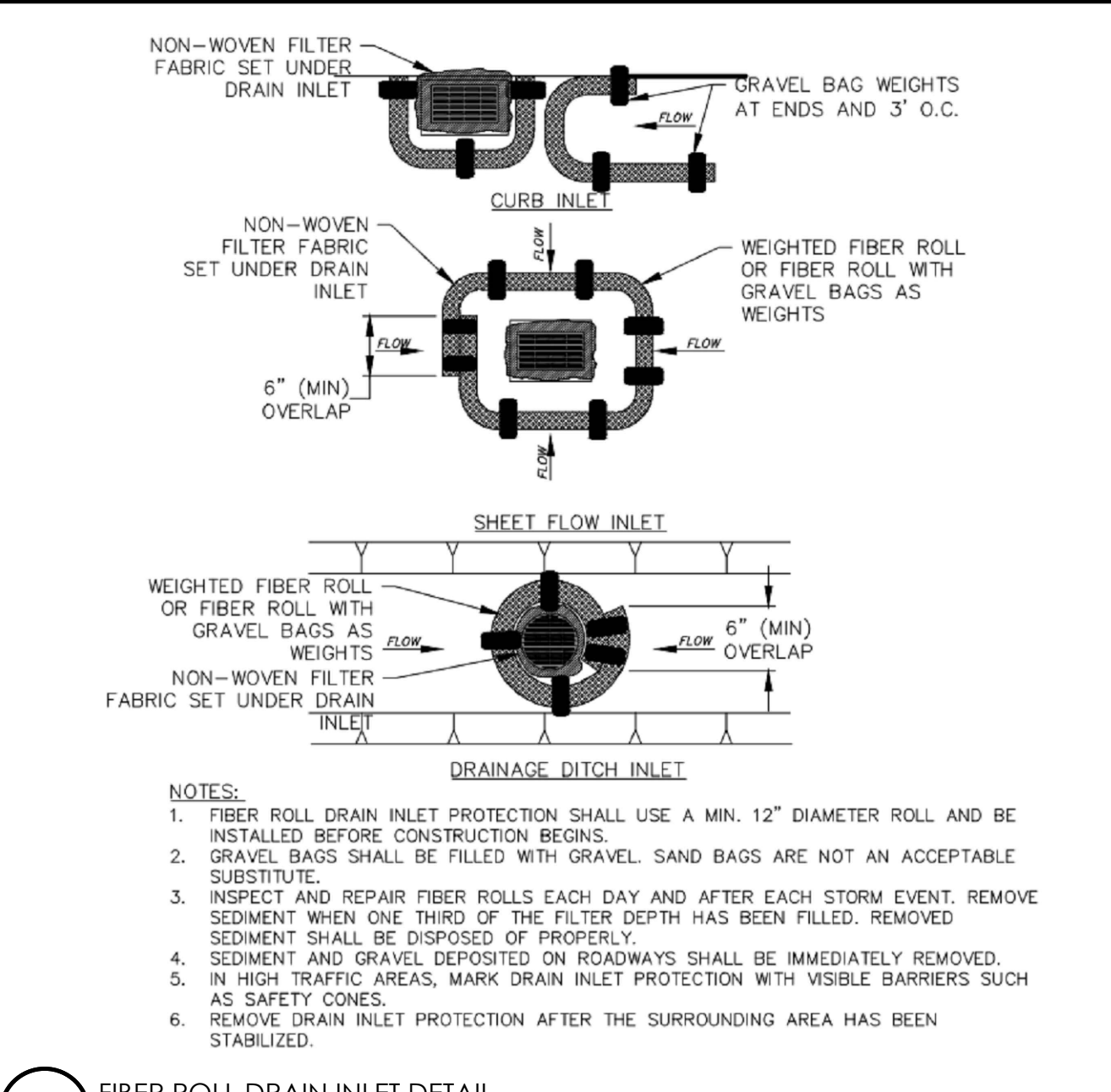
SHEET TITLE:

DETAILS

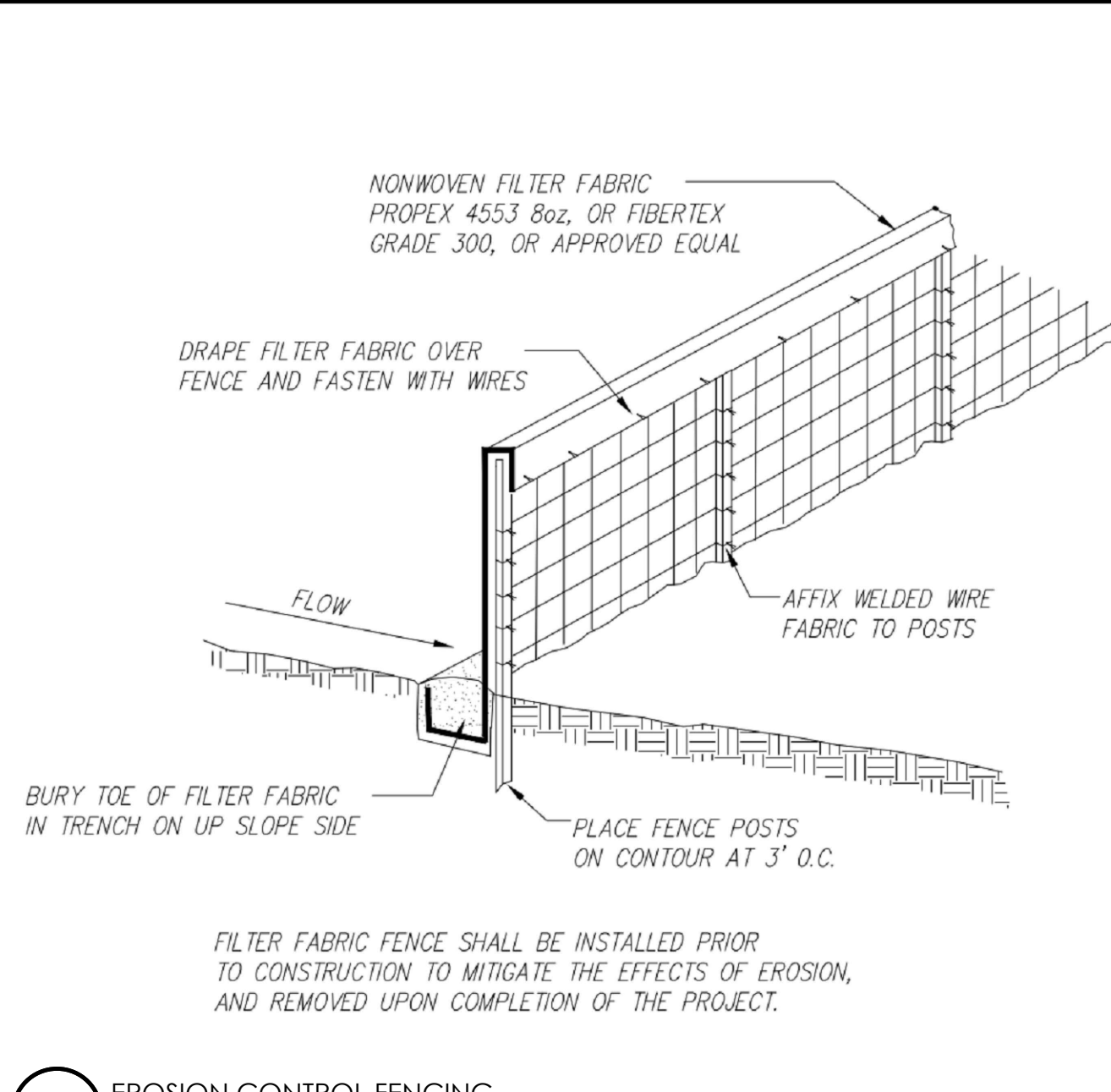
D1



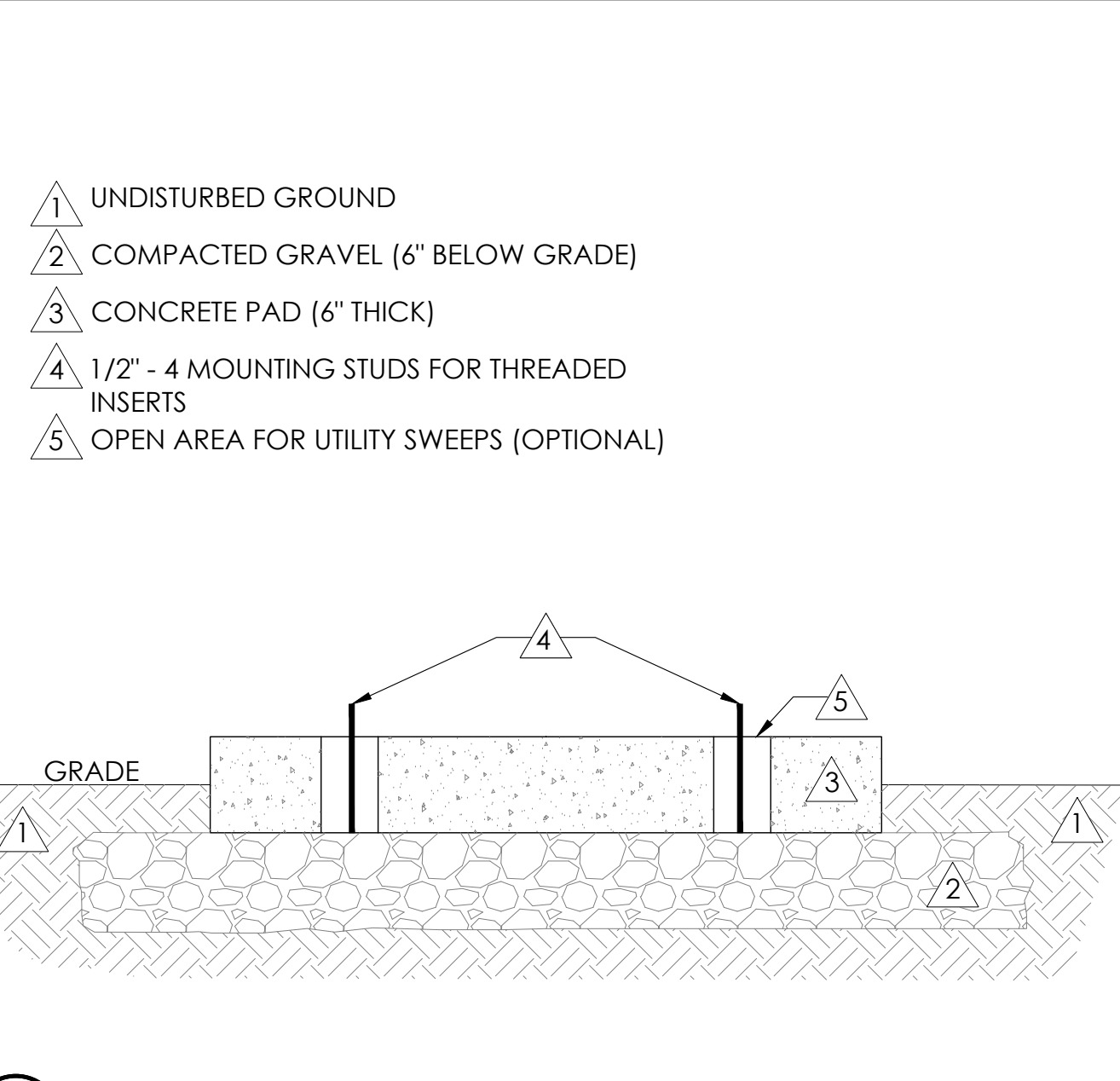
10 BOLLARD DETAIL
N.T.S.



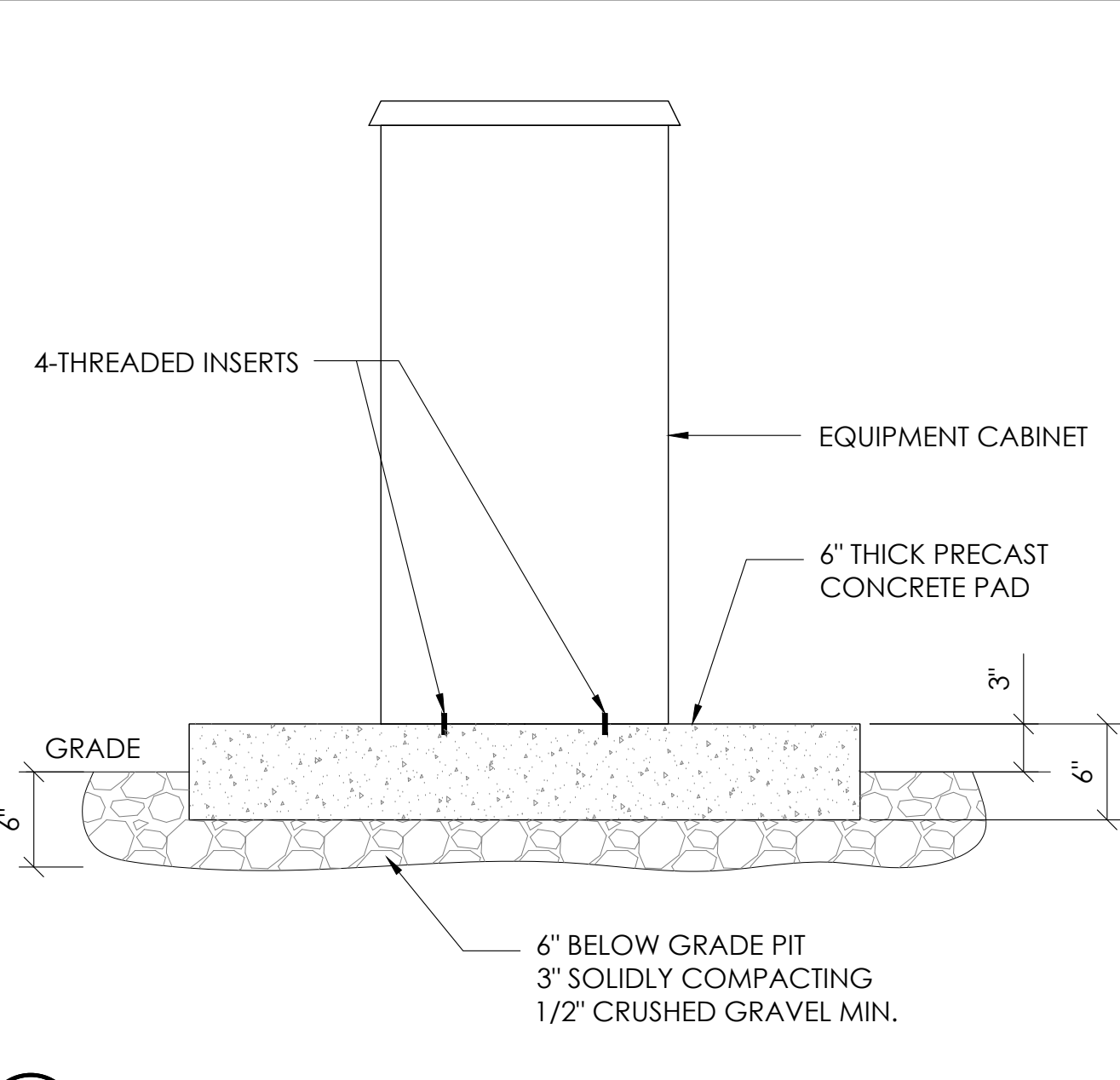
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



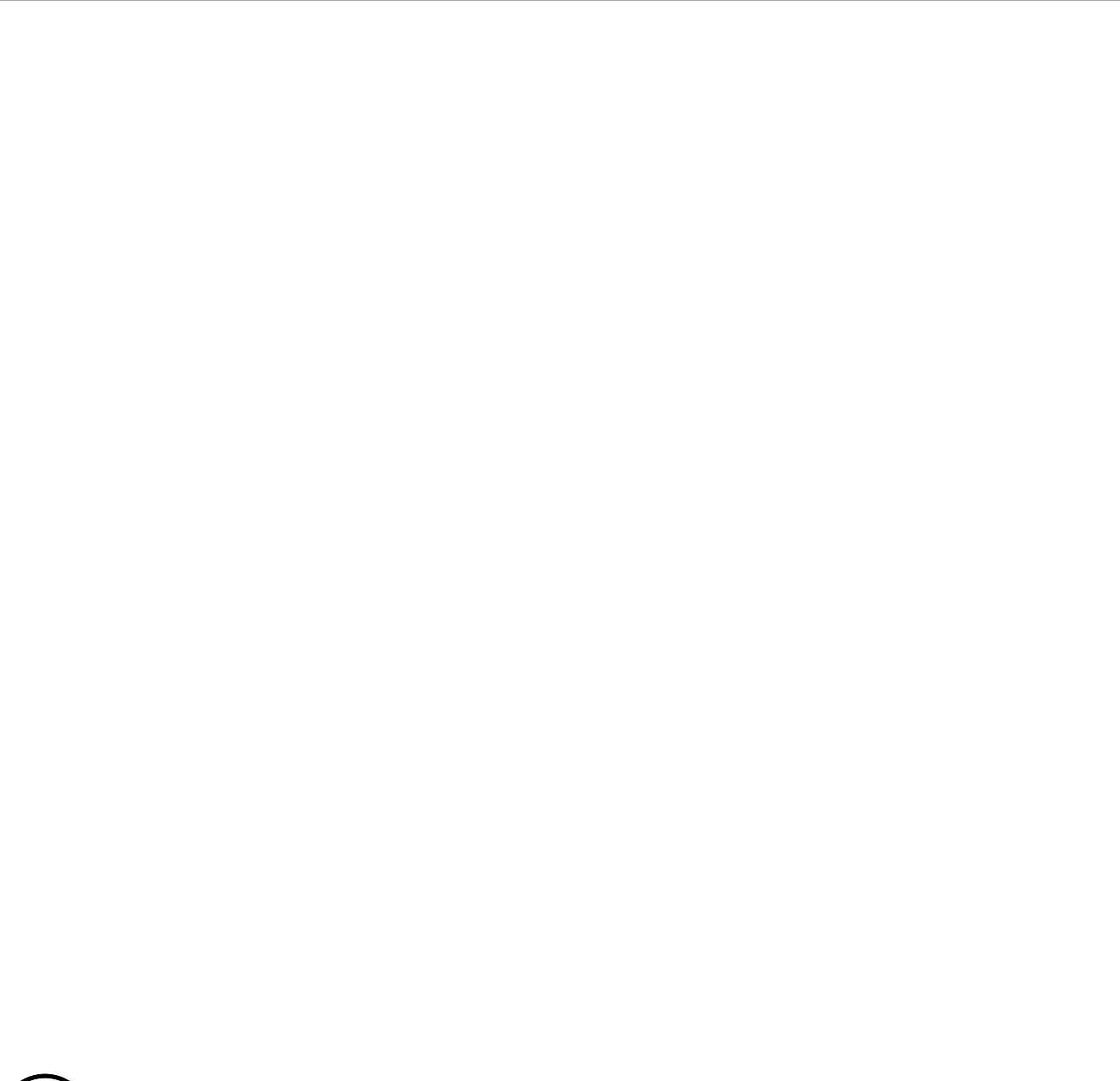
1 EROSION CONTROL FENCING
N.T.S.



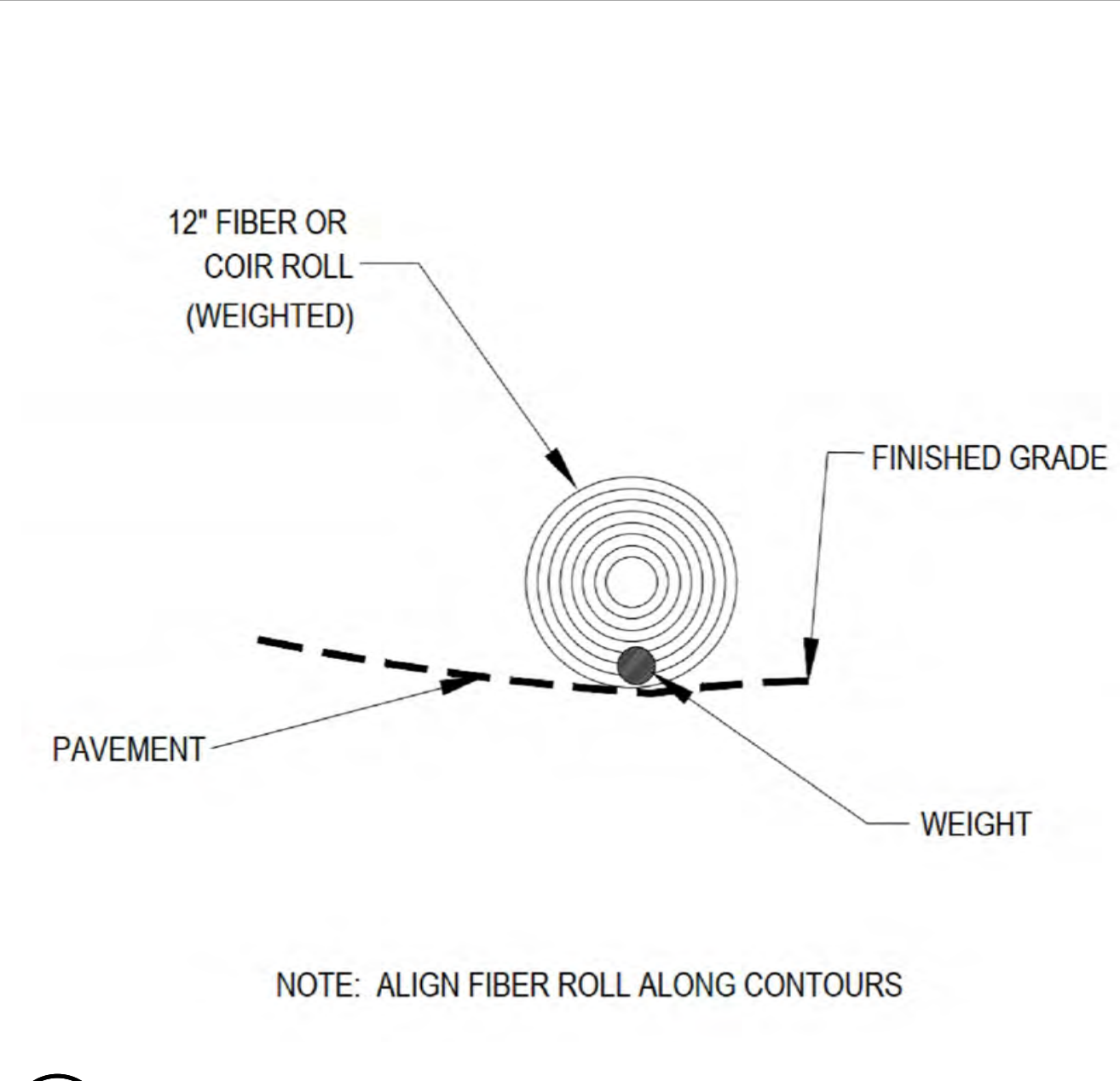
11 FOUNDATION BASE FOR PN4
N.T.S.



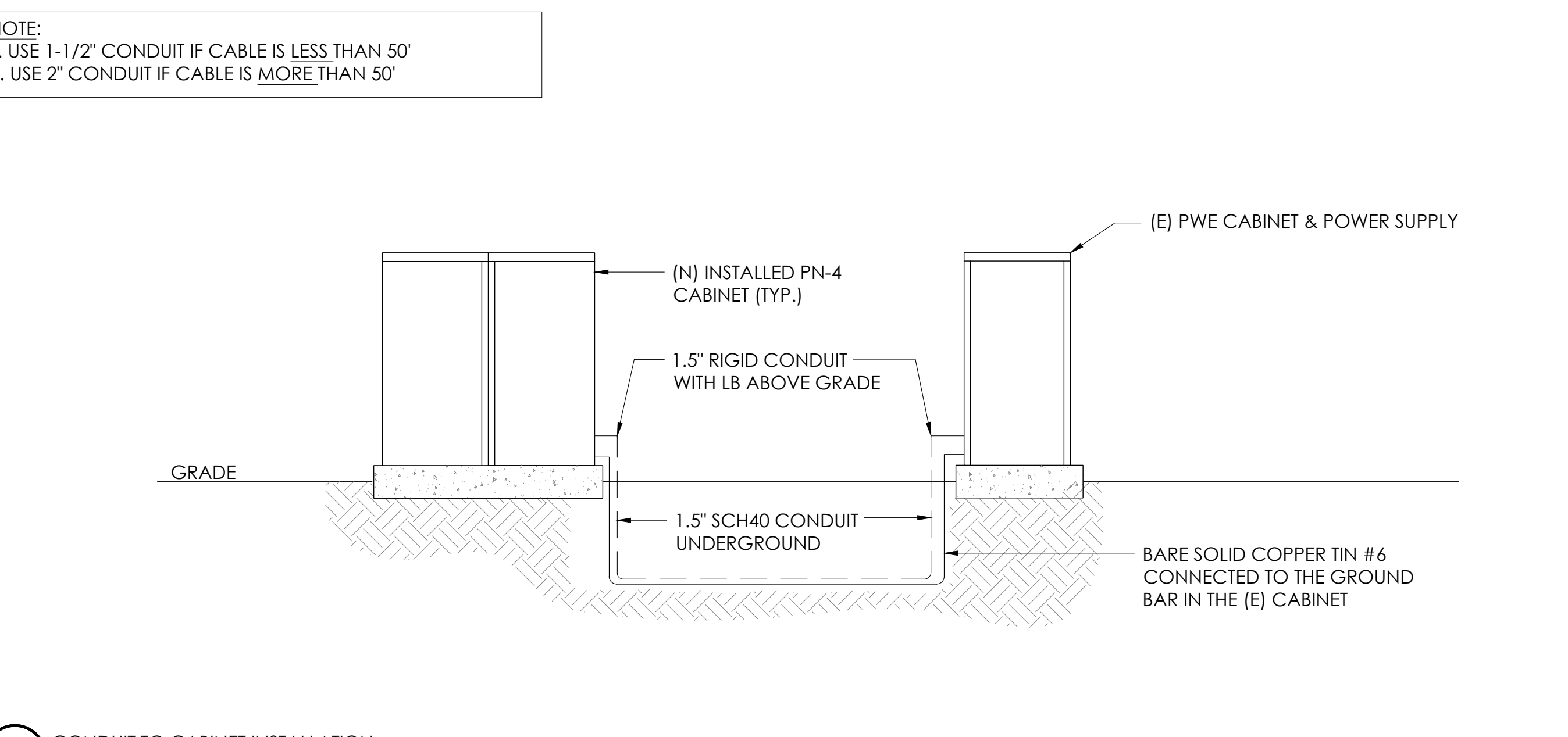
8 P4 CABINET INSTALLATION
N.T.S.



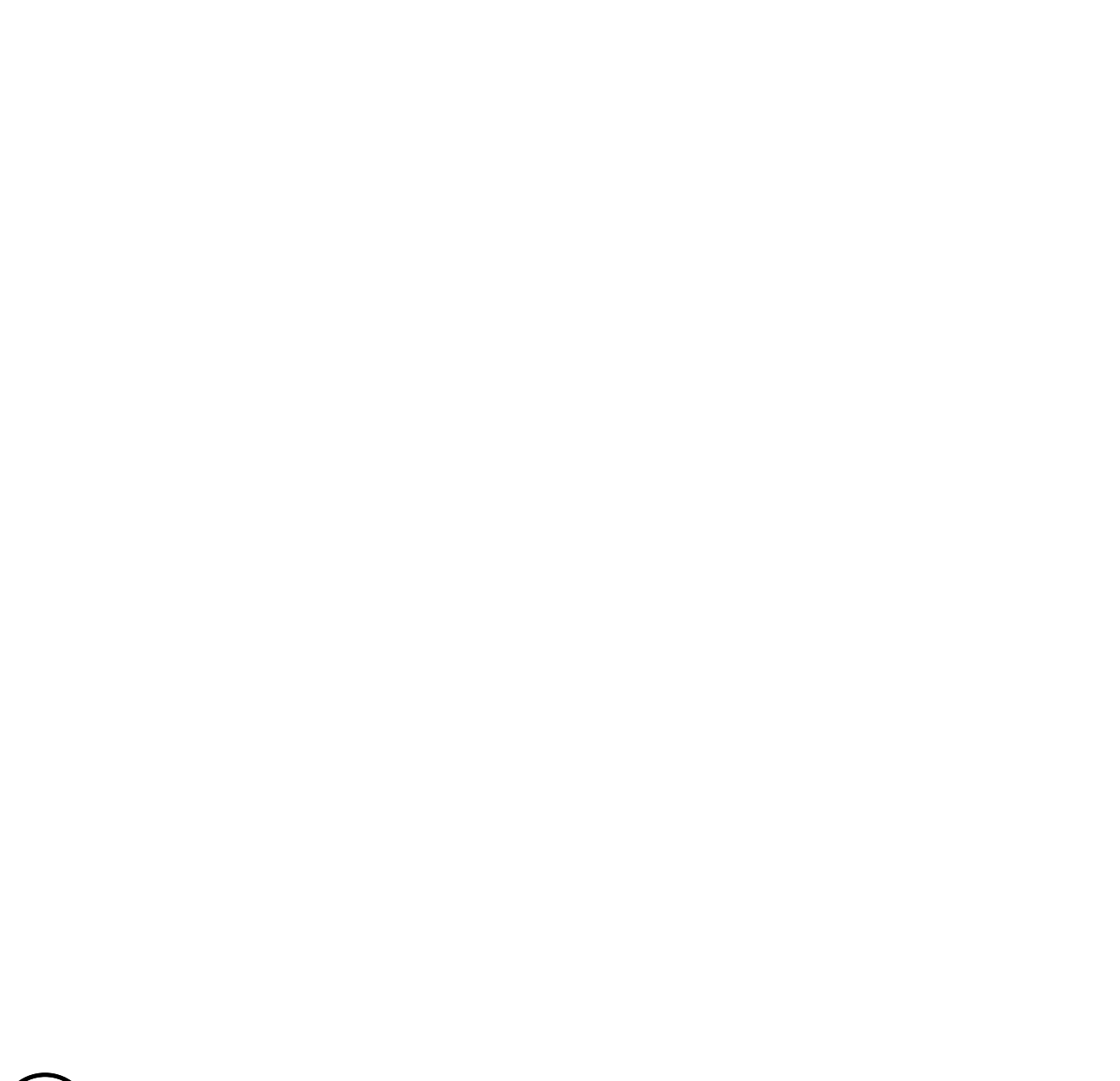
5 NOT USED
N.T.S.



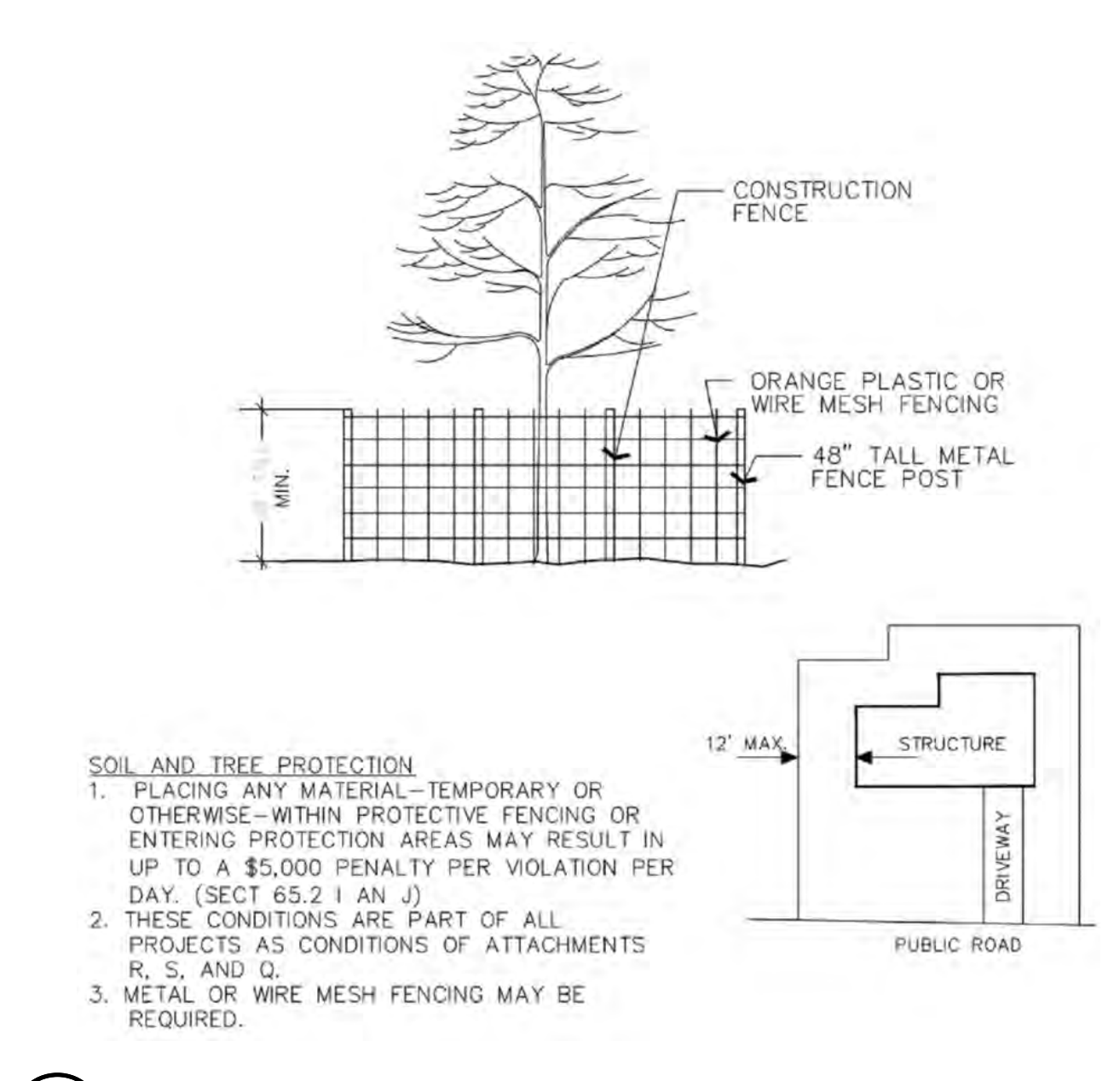
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



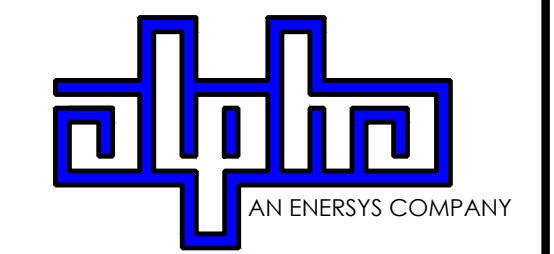
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

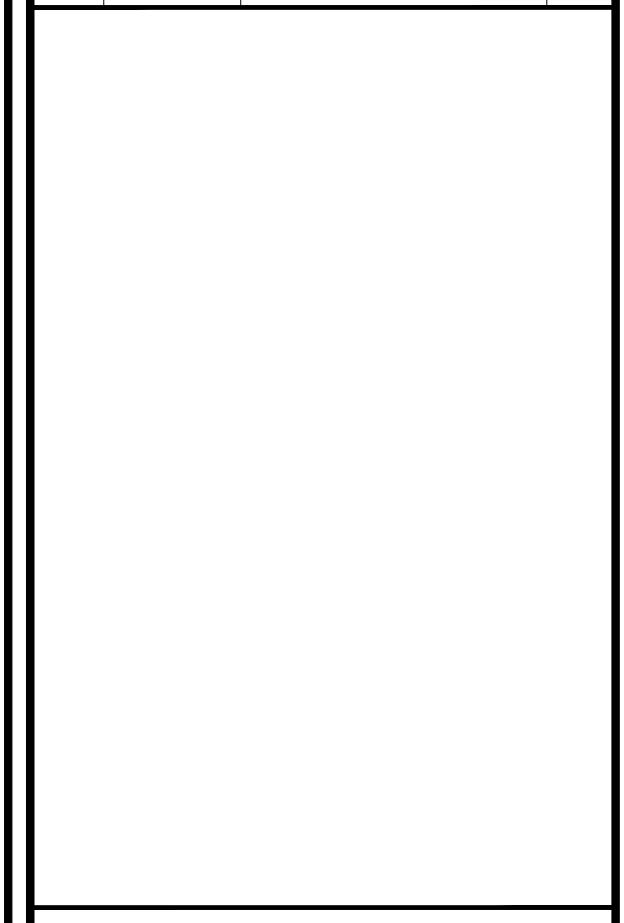


23 MAUCHLY, STE 110
IRVINE, CA 92618

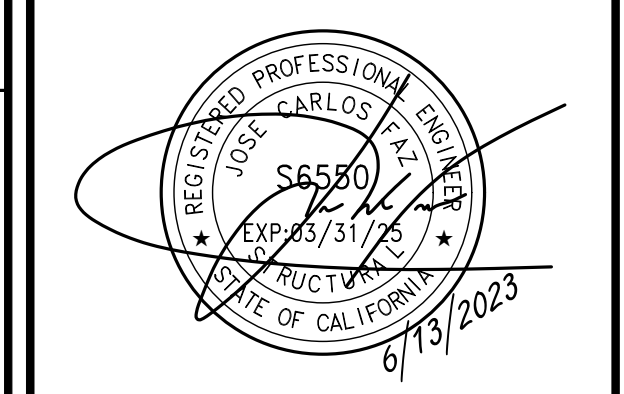
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J5 PROJECT ID: P-058518

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	SM
B	07/30/21	90% CD	KV
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	06/13/23	100% CD REV PER PPC#1	RD
4	10/19/23	SURVEY SHT / BOLLARD ADD	MZ



SEAL



SITE INFORMATION

SITE ID:
ST121C_A

SITE ADDRESS:
955 TULARE AVE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

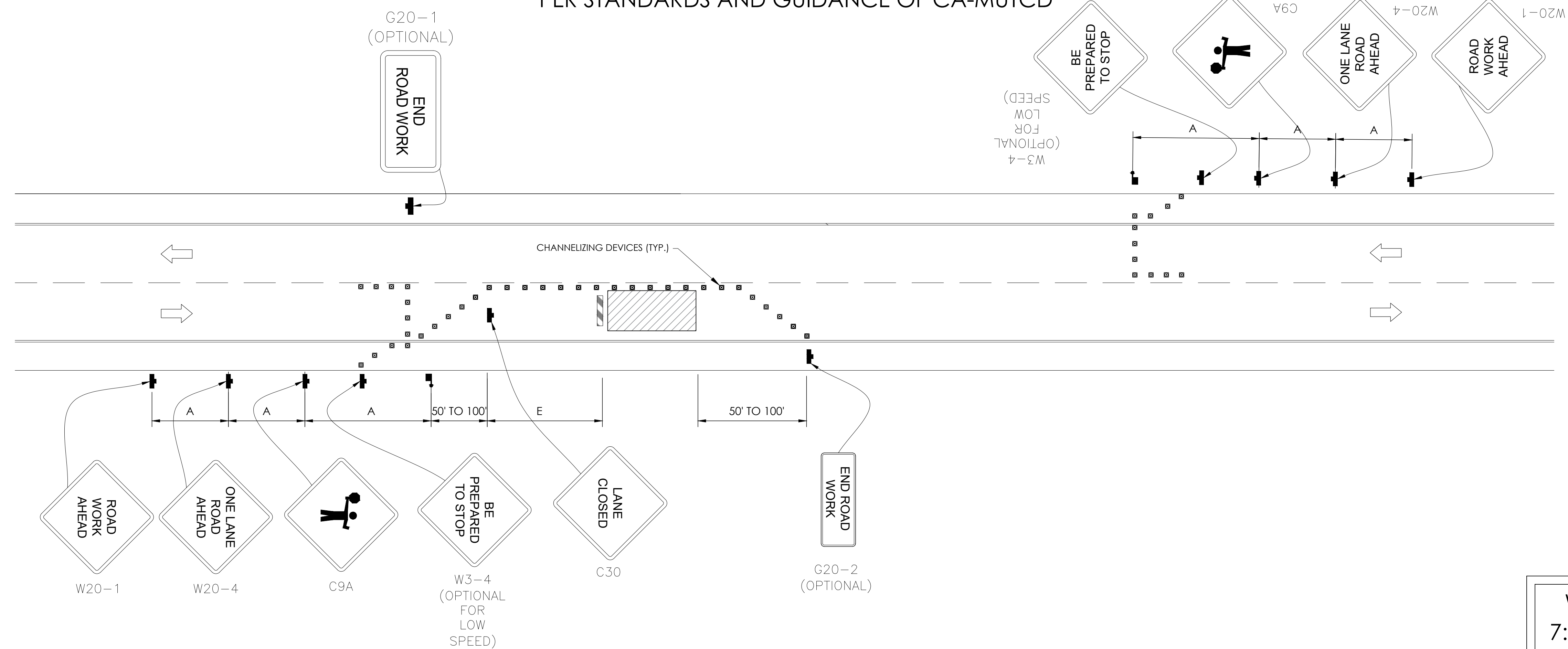
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



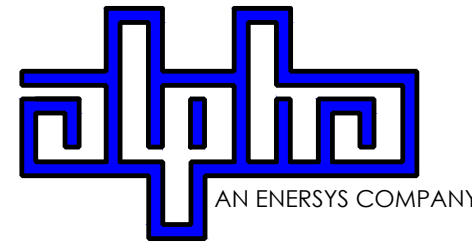
GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



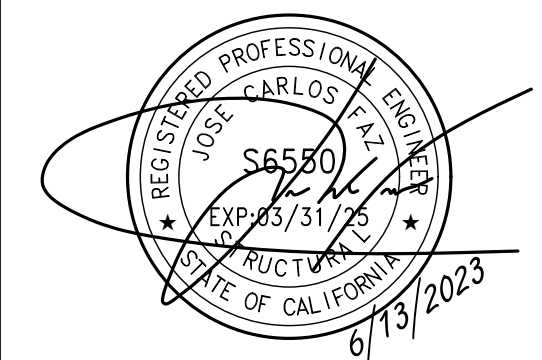
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058518

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	SM
B	07/30/21	90% CD	KV
0	08/28/21	100% CD	TT
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SEAL



SITE INFORMATION

**SITE ID:
ST121C_A**

SITE ADDRESS:
955 TULARE AVE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP

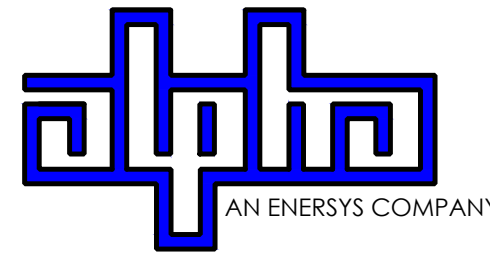


SITE ID: ST131_

SITE ADDRESS: 957 COUNCIL ROCK DR, SOUTH LAKE TAHOE, CA 96150



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069700

2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

SITE ADDRESS:	957 COUNCIL ROCK DR SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.92022541, -119.9980933
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	90
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	12
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	PROPOSED COVERAGE (CLASS 1B) = 12 SF
CUT/FILL VOLUME:	0.7 C.Y.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/19/23	SURVEY SHT / BOLLARDS ADD	MZ

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.

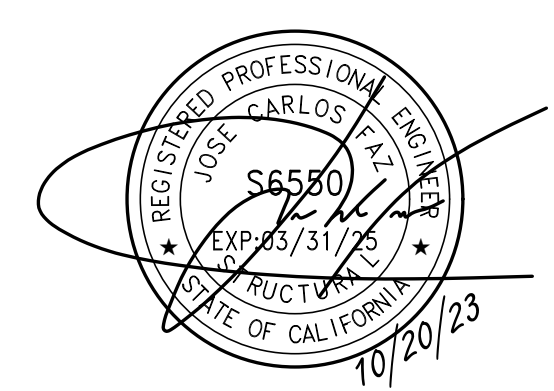
DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		

SEAL



CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 2 - CALIFORNIA ADMINISTRATIVE CODE
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 INTERNATIONAL PLUMBING CODE
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT
 PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANSITIA-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SITE INFORMATION

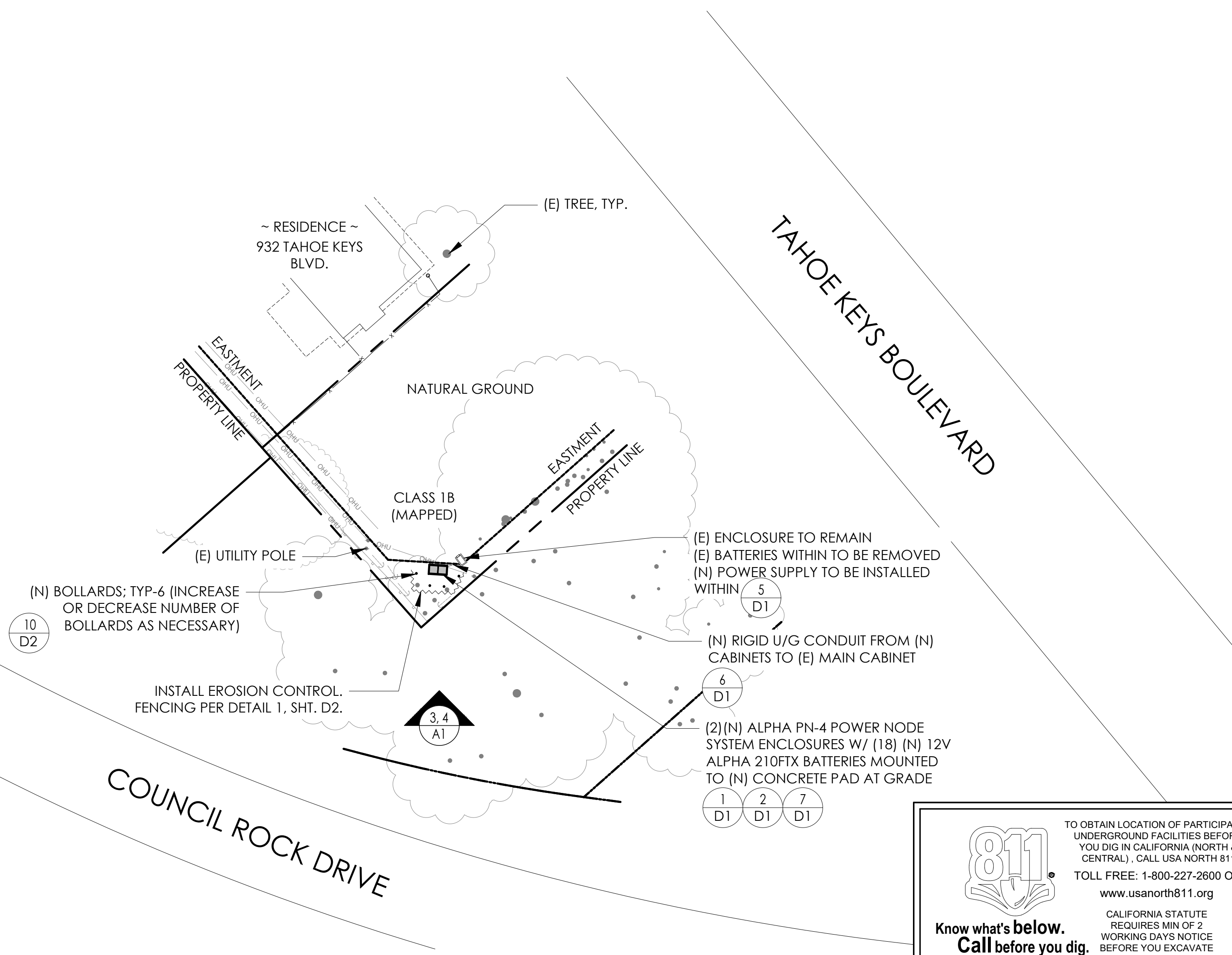
SITE ID: ST131_

SITE ADDRESS: 957 COUNCIL ROCK DR, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

T1



811
Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
TOLL FREE: 1-800-227-2600 OR www.usanorth811.org

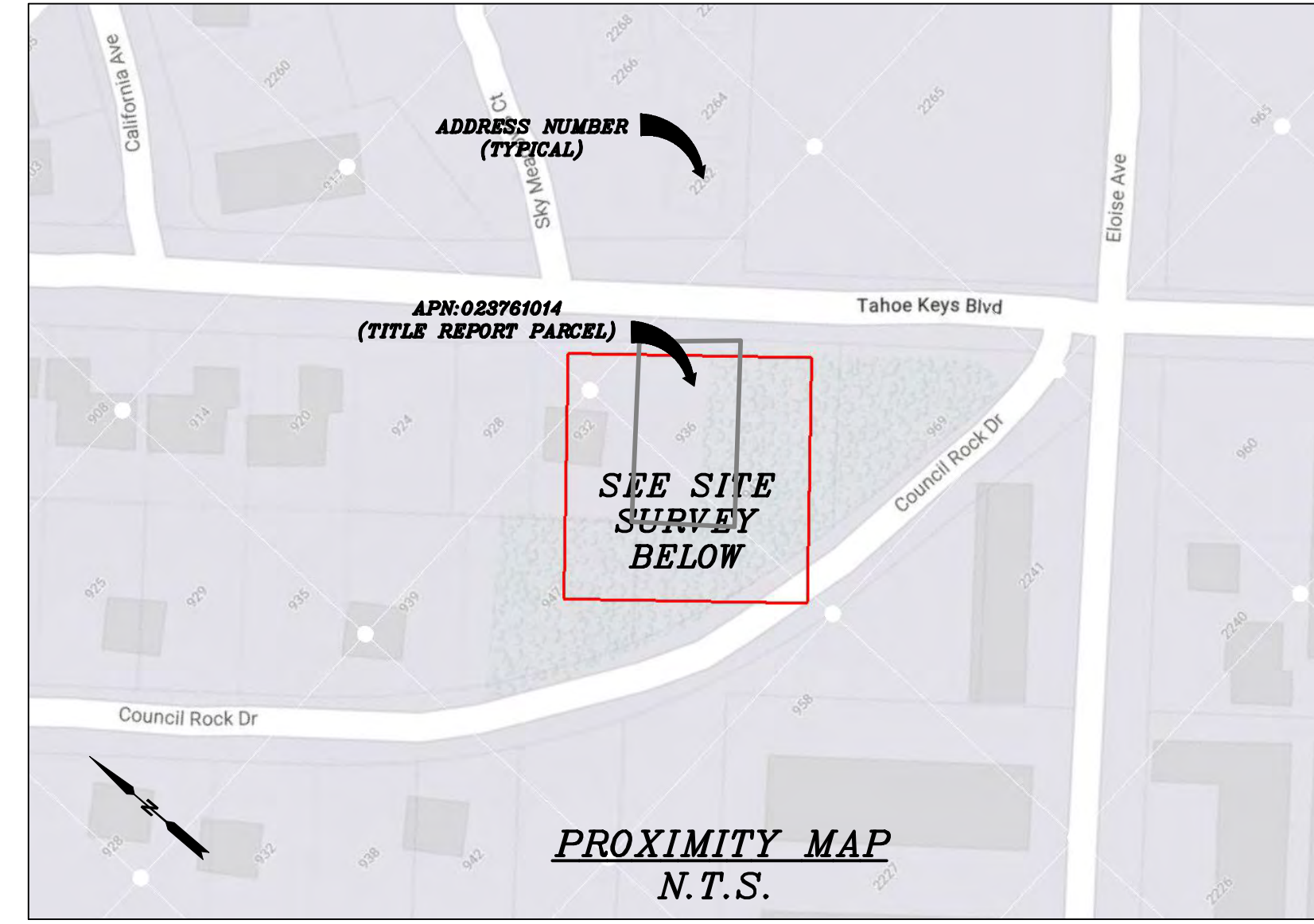
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"

20' 10' 0' 20'

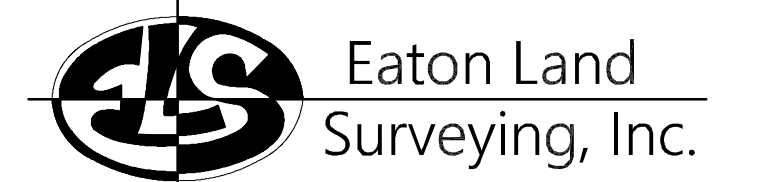
NORTH

SITE PLAN



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

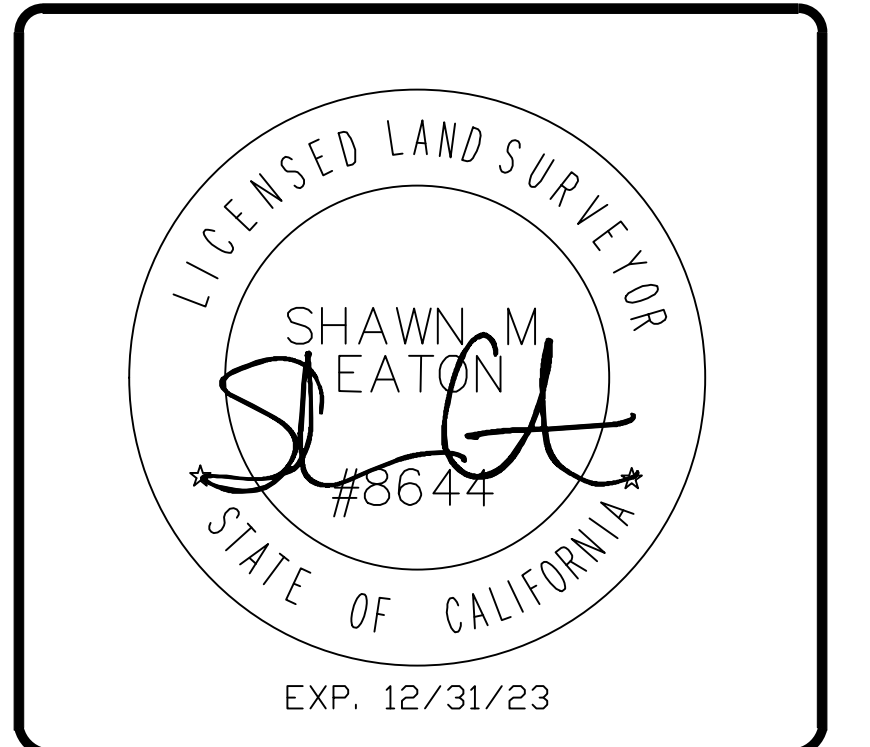
ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/13/23	SUBMITTAL



PROJECT INFORMATION:
ST131
957 COUNCIL ROCK DR.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/29/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

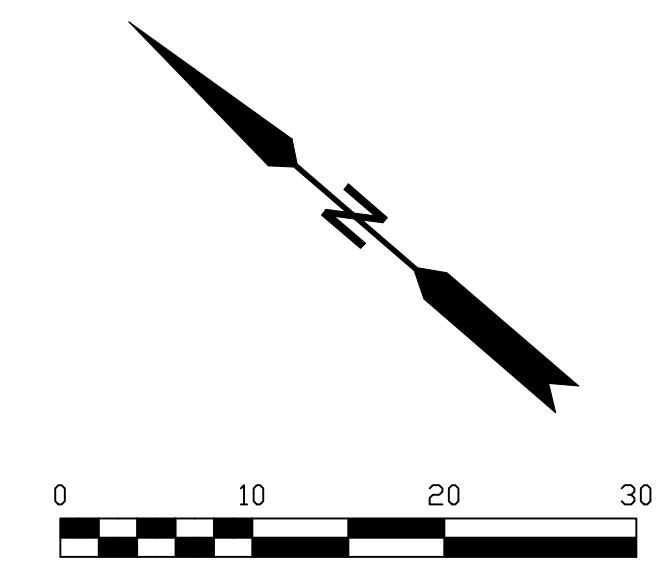
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0386F, DATED 04/03/2012.

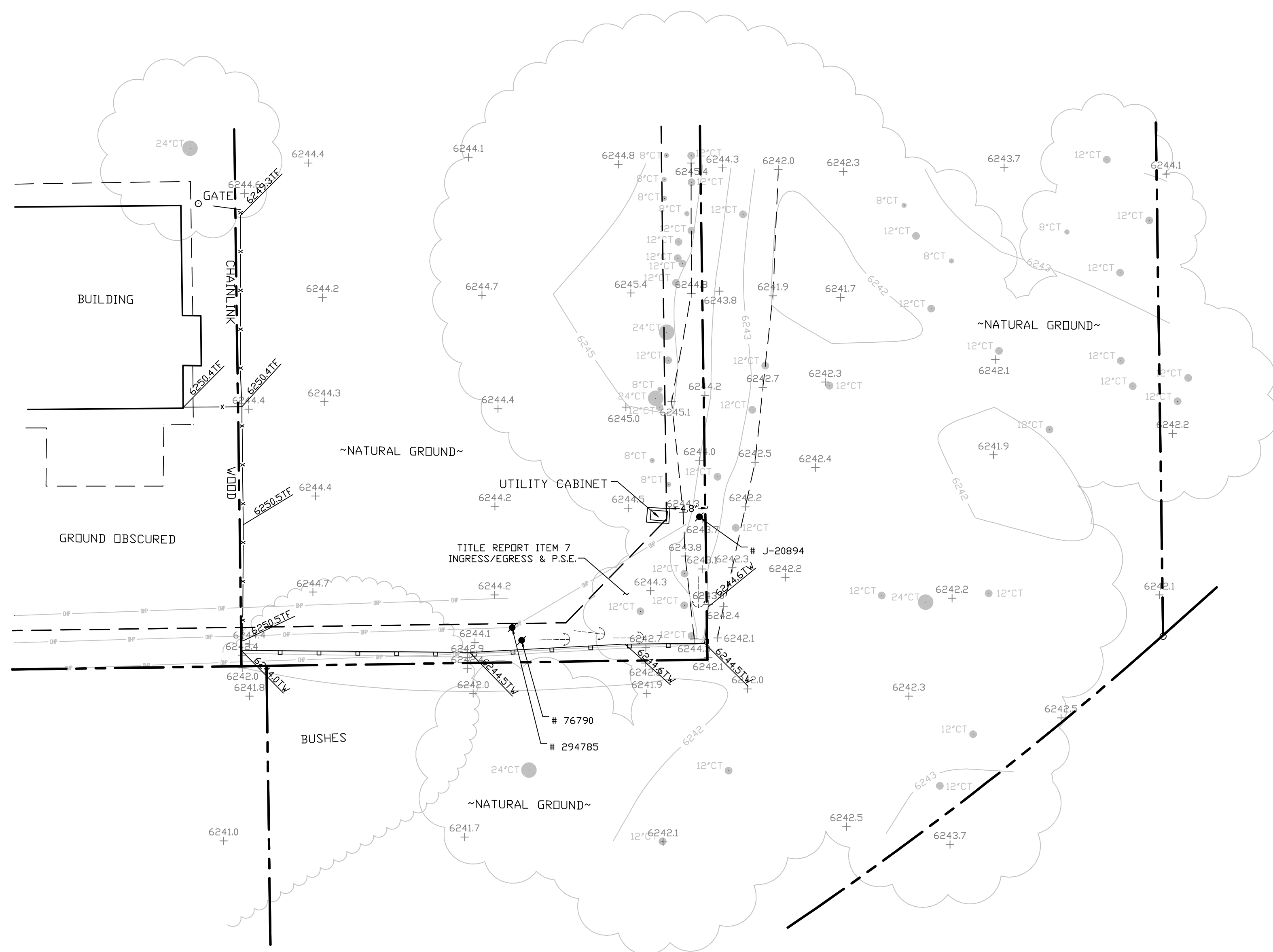
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 61 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 023-761-014-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032371 DATED 08/31/2023;



- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN

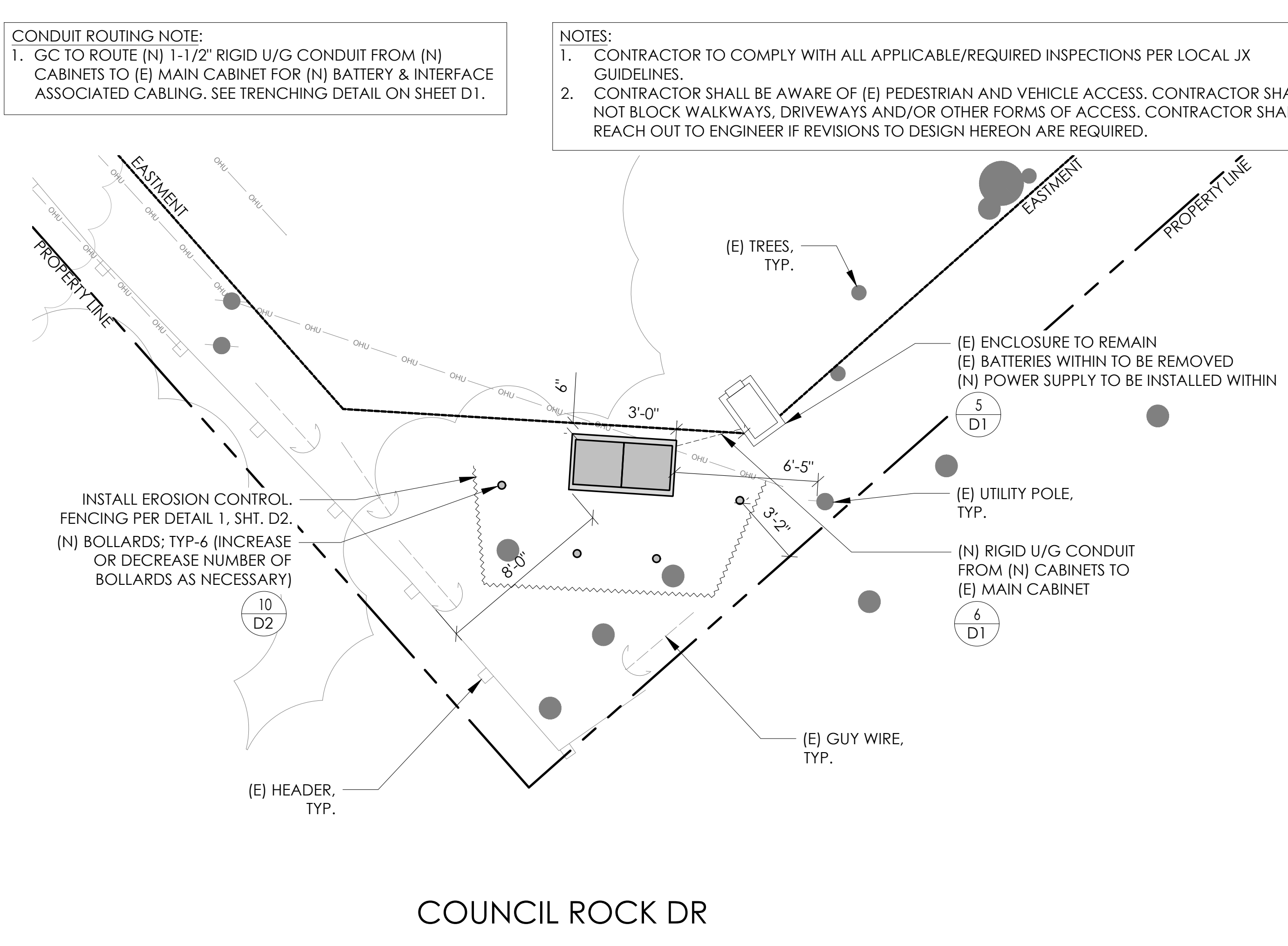
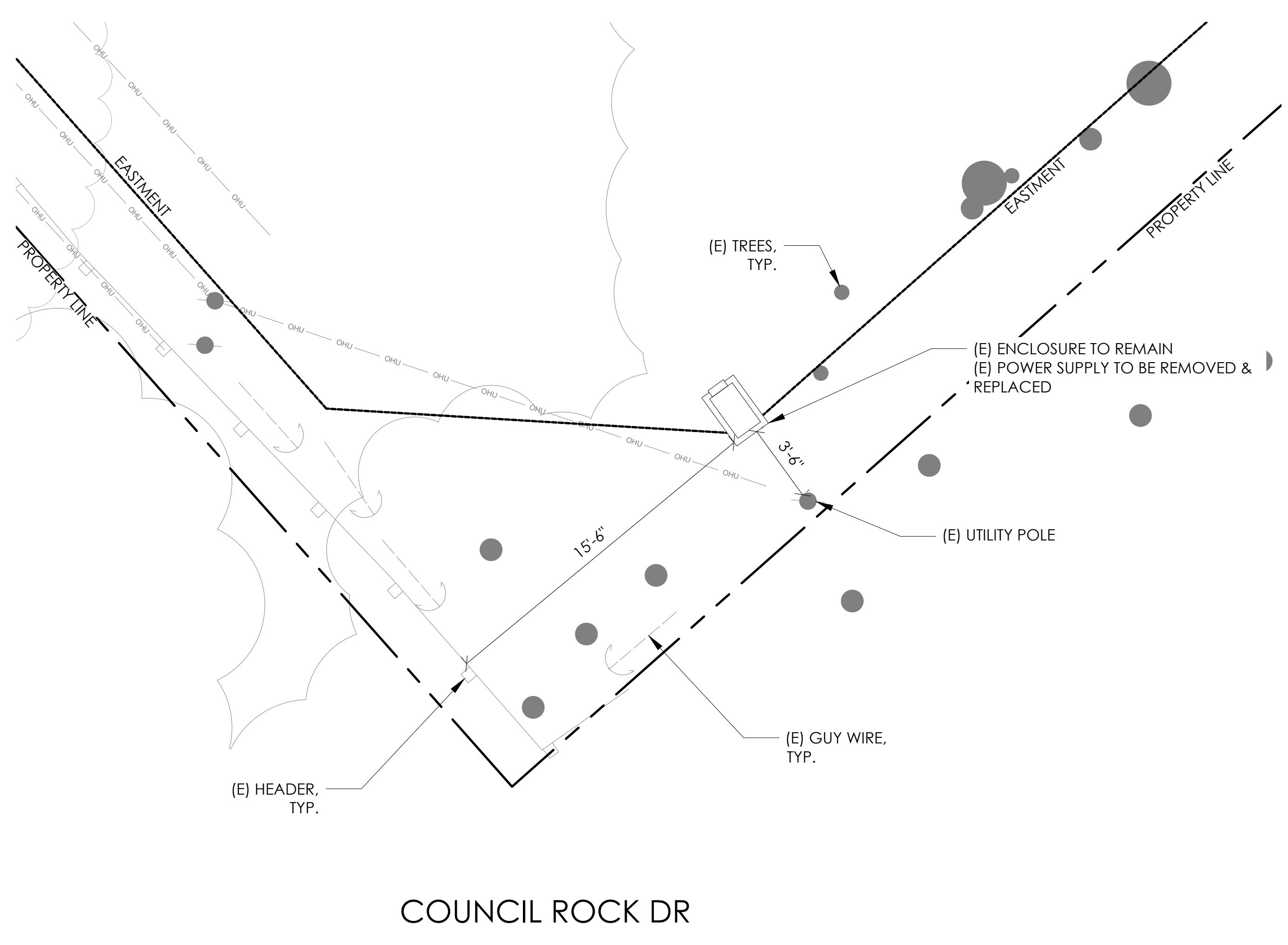


SITE SURVEY
SCALE 1"=10'



ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/19/23	SURVEY SHT / BOLLARDS ADD	MZ



CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

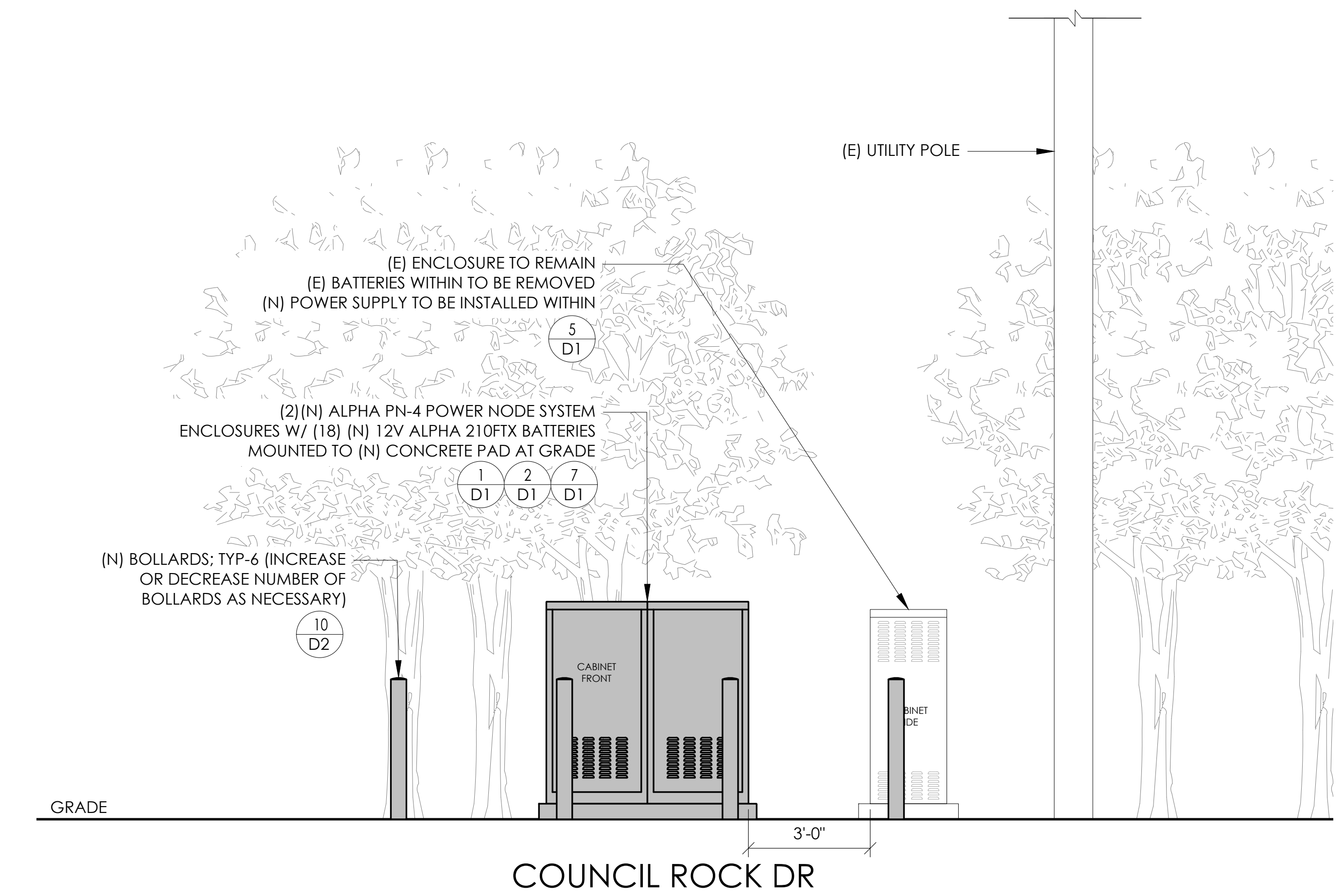
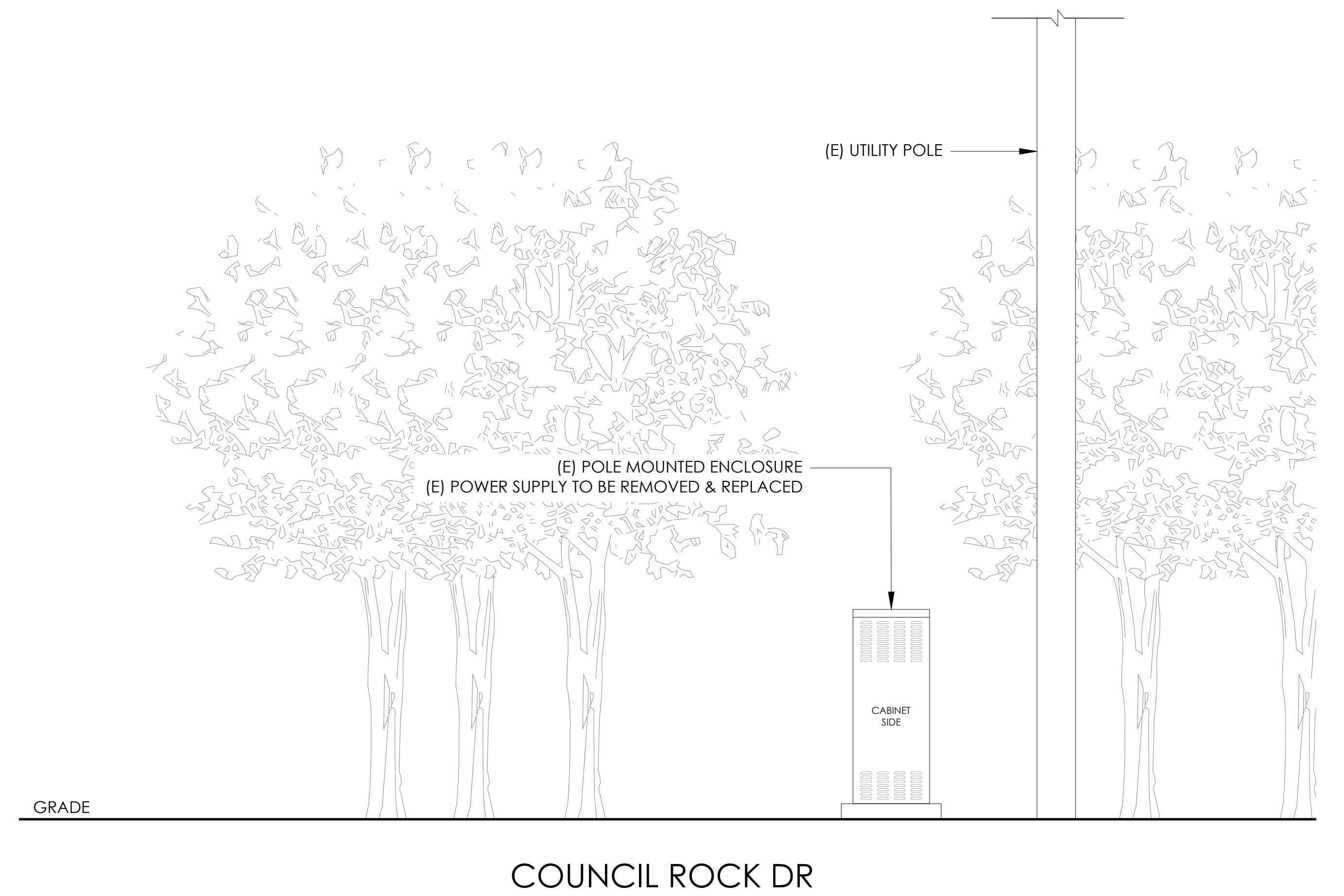
NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4'

PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4'



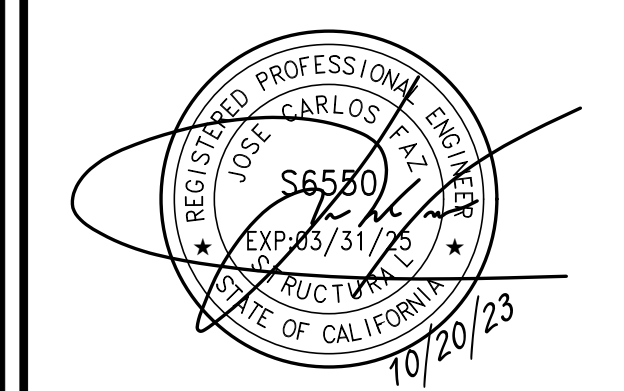
EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2'

PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2'

SEAL



SITE INFORMATION

SITE ID: ST131_

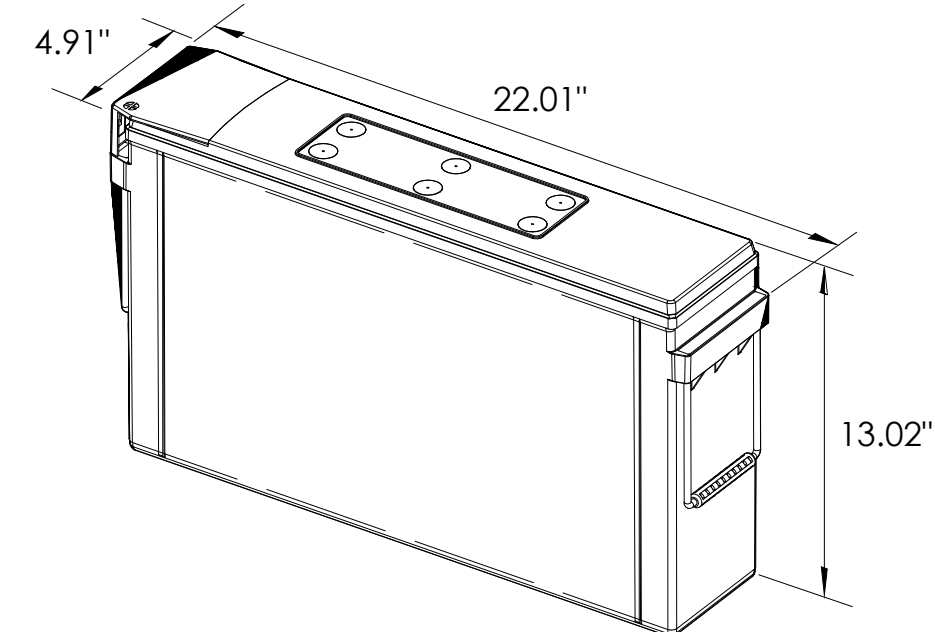
SITE ADDRESS: 957 COUNCIL ROCK DR, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE: ELEVATIONS

A1



ALPHA 210 FTX BATTERY UNIT

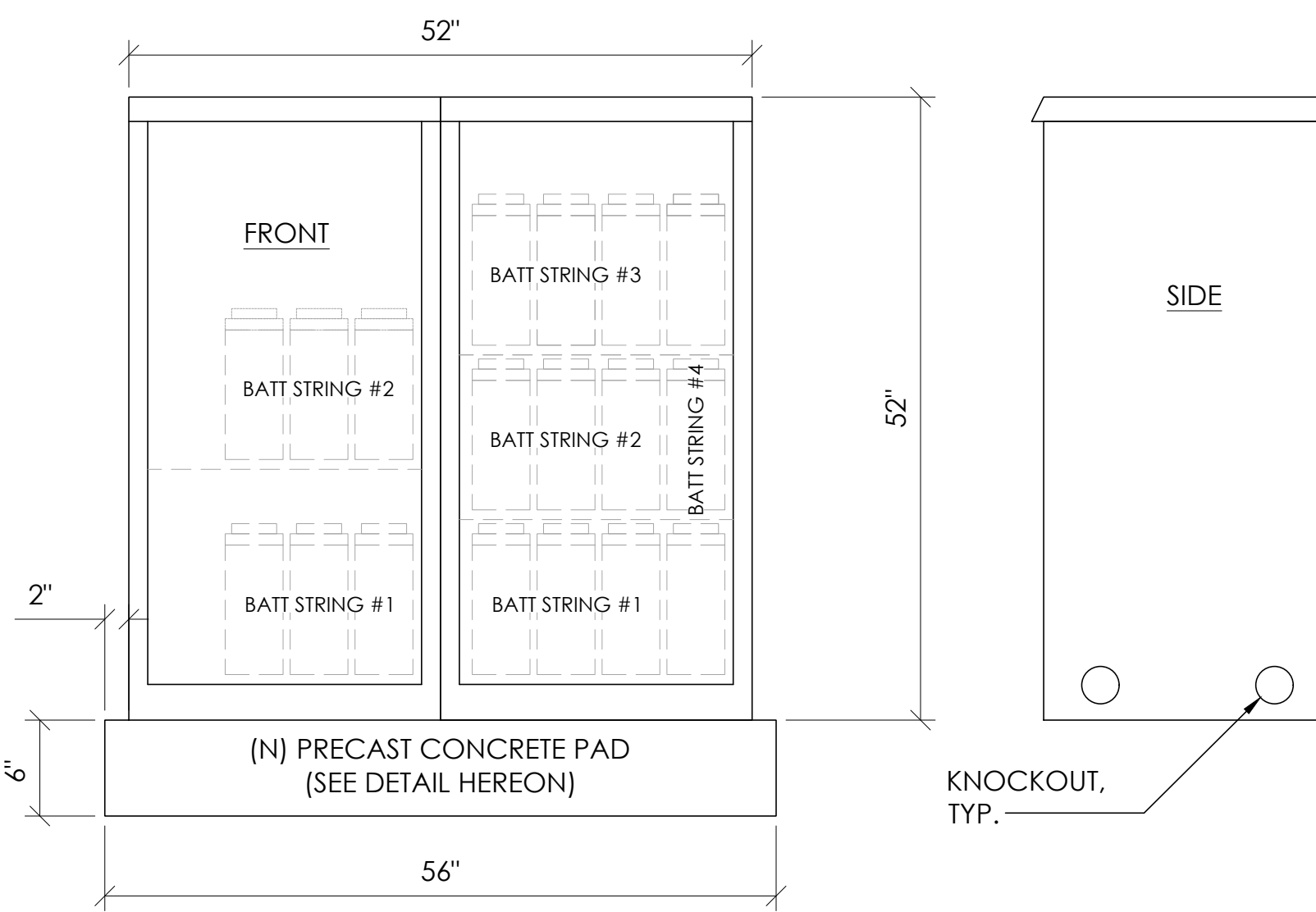


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FTX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

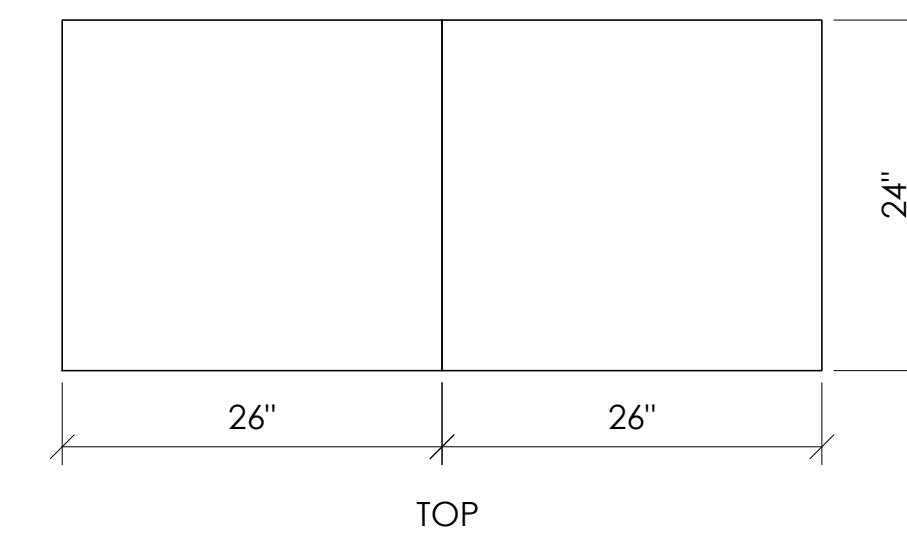


CABINET SPECIFICATIONS

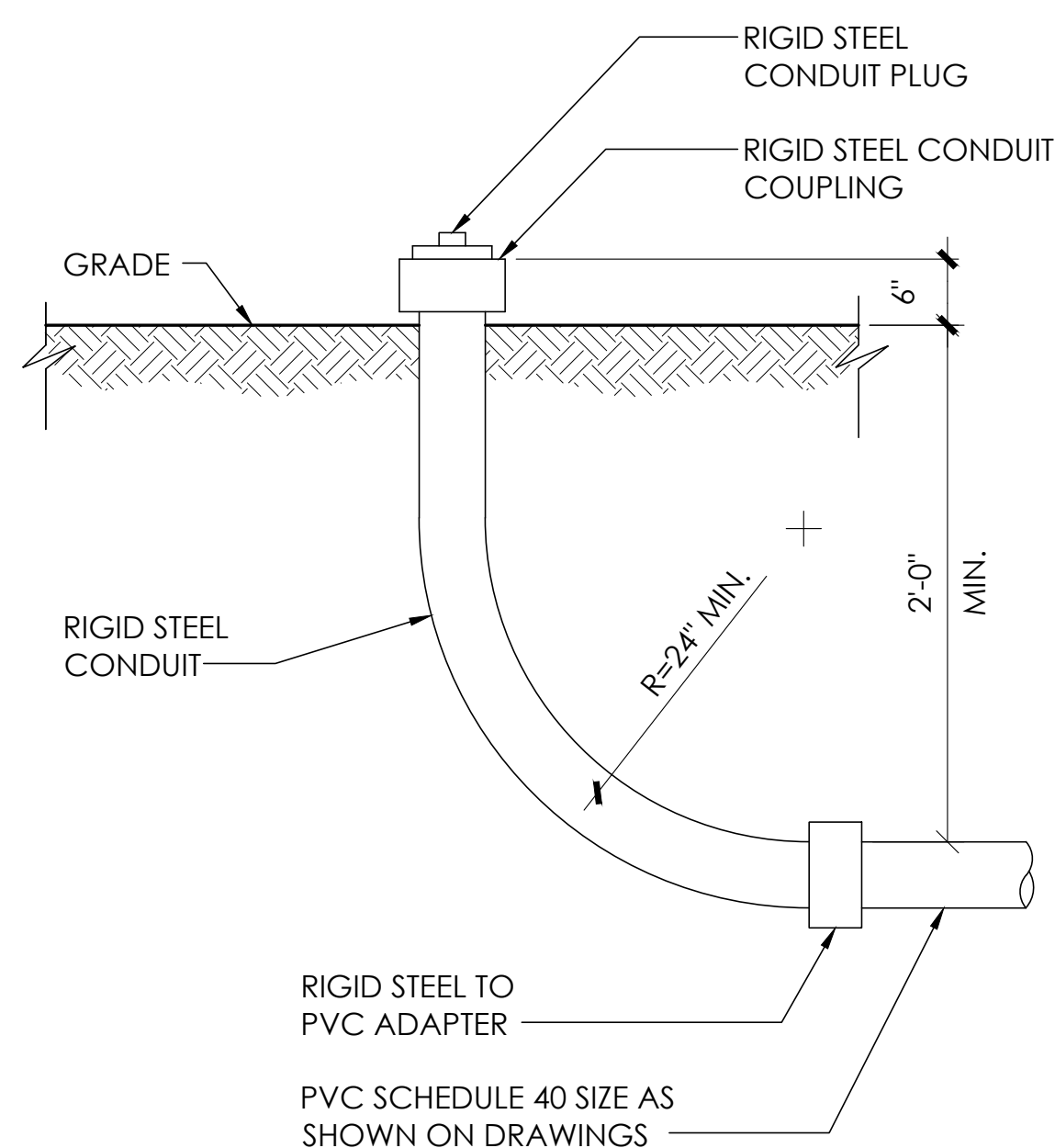
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

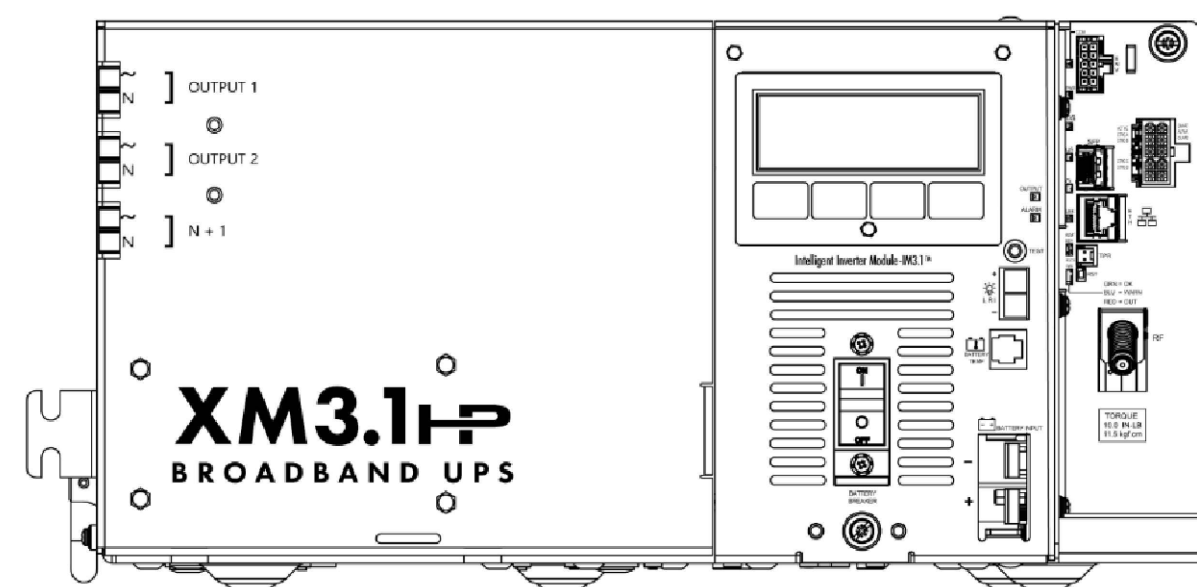


8 STUB-UP DETAIL
N.T.S.

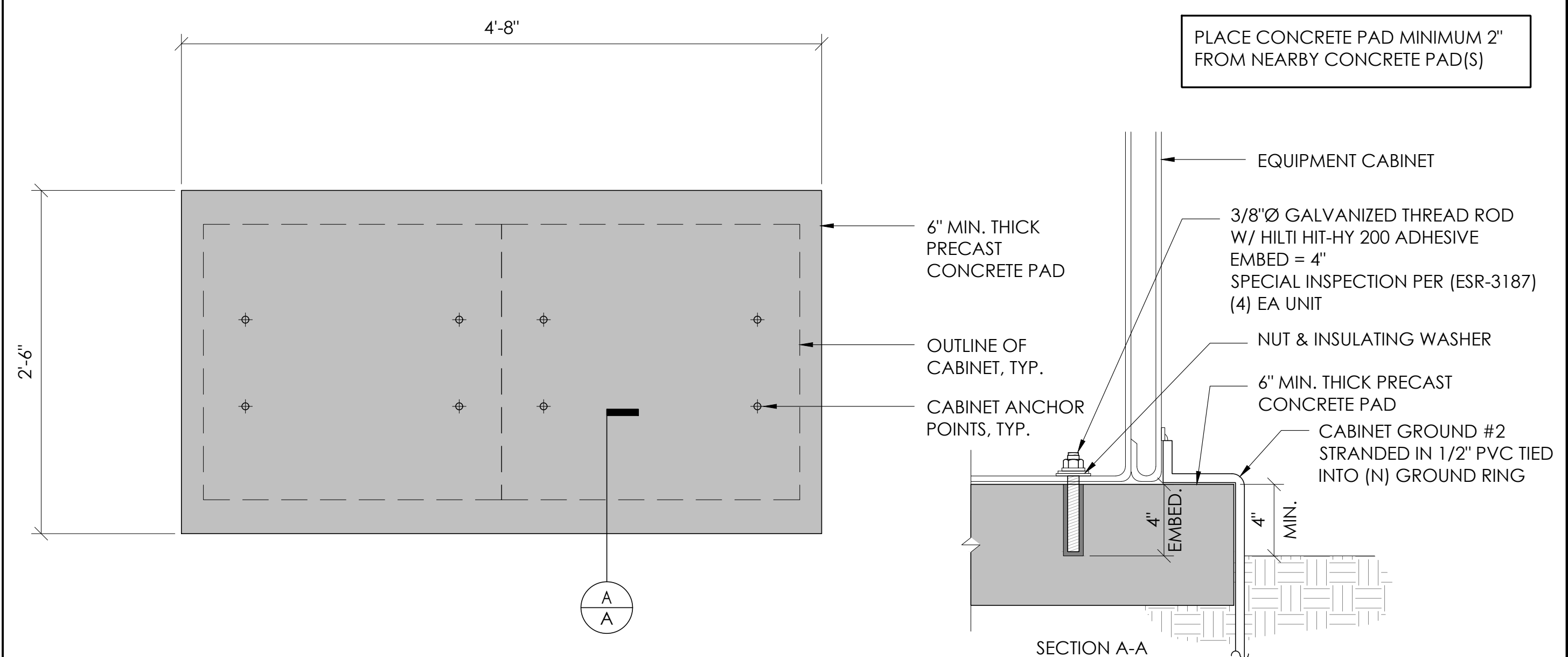
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

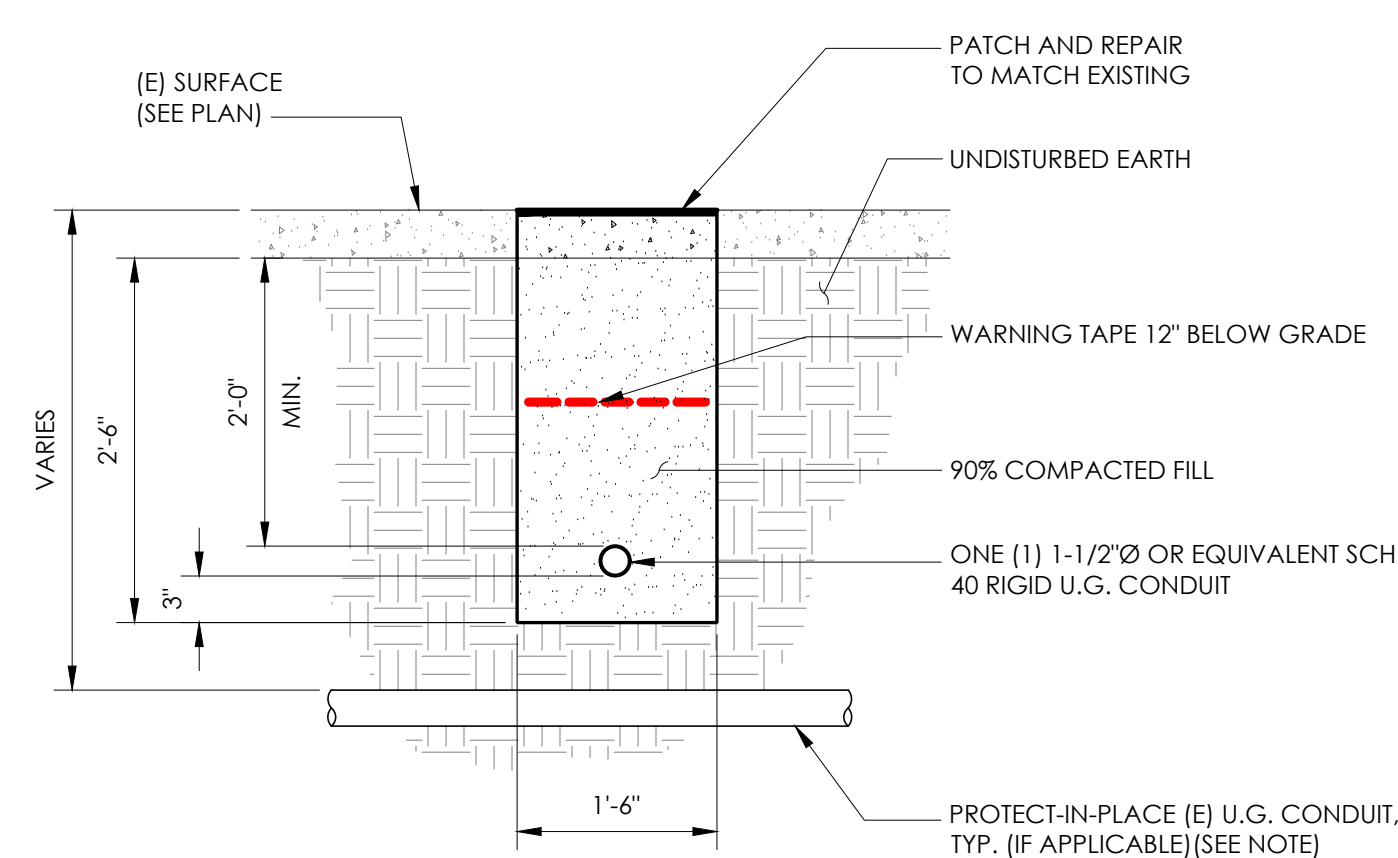


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

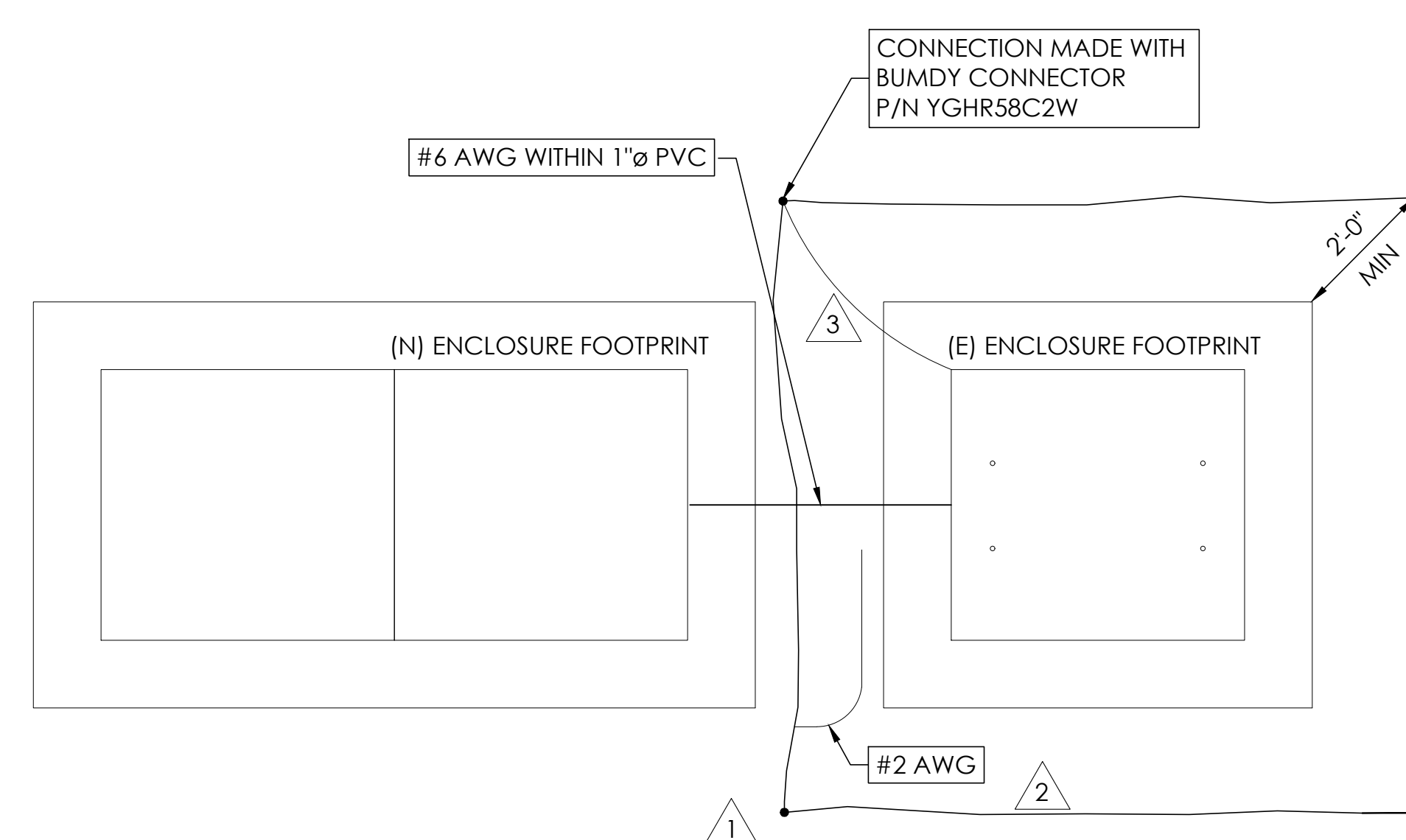
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- (E) #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)

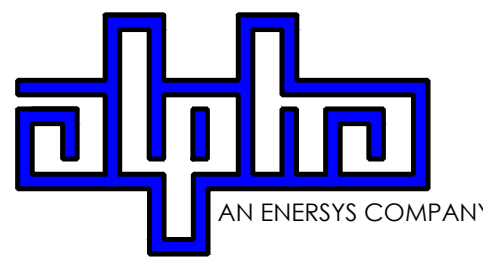
- #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



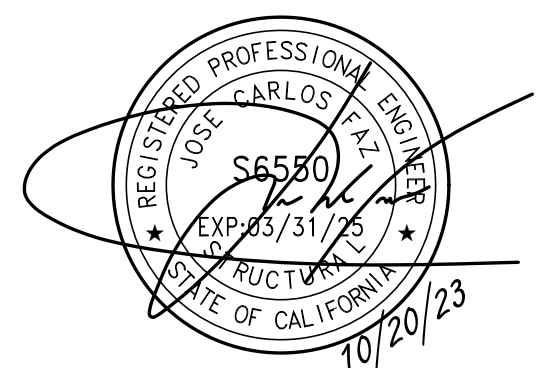
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069700

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/19/23	SURVEY SHT / BOLLARDS ADD	MZ

SEAL



SITE INFORMATION

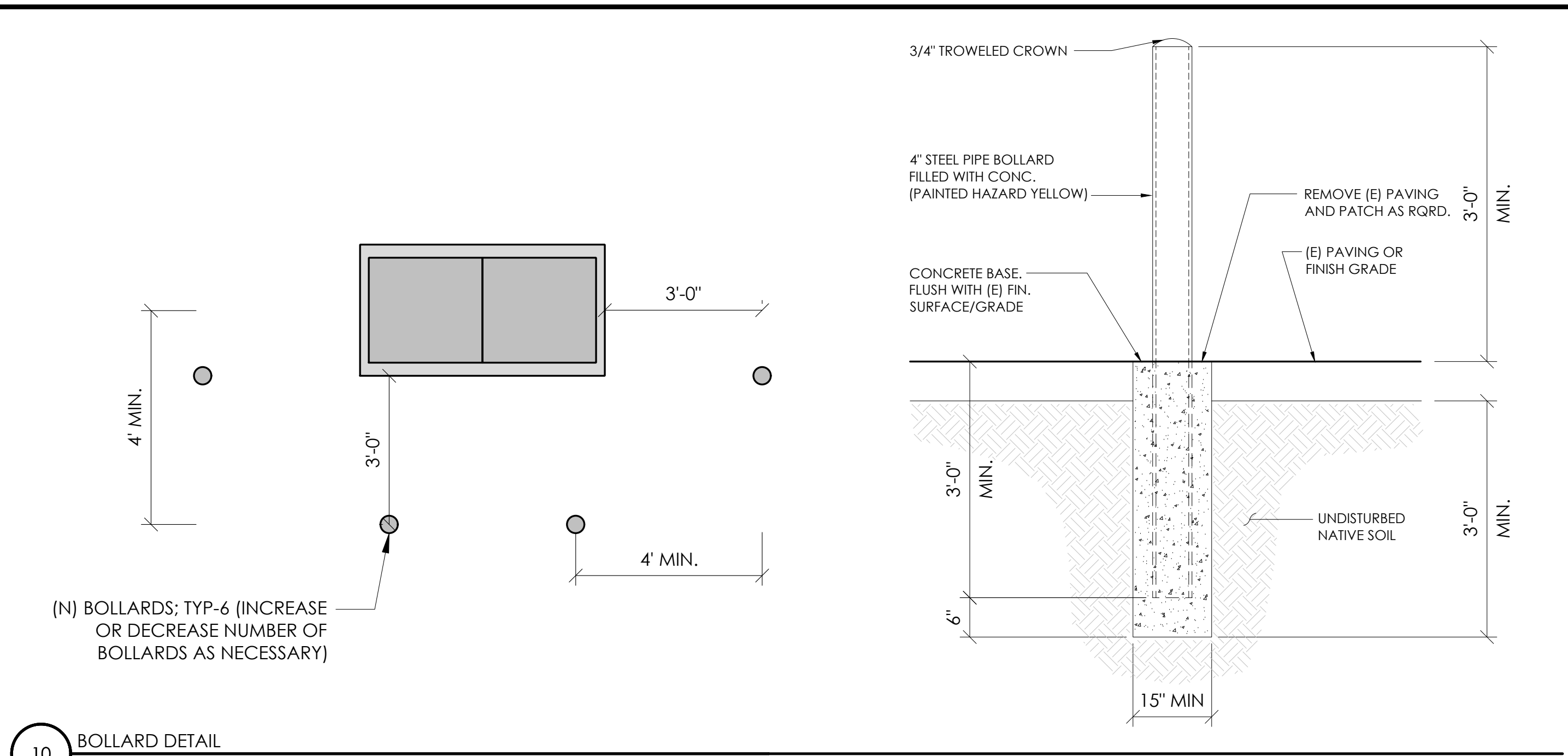
SITE ID:
ST131_

SITE ADDRESS:
957 COUNCIL ROCK DR,
SOUTH LAKE TAHOE, CA
96150

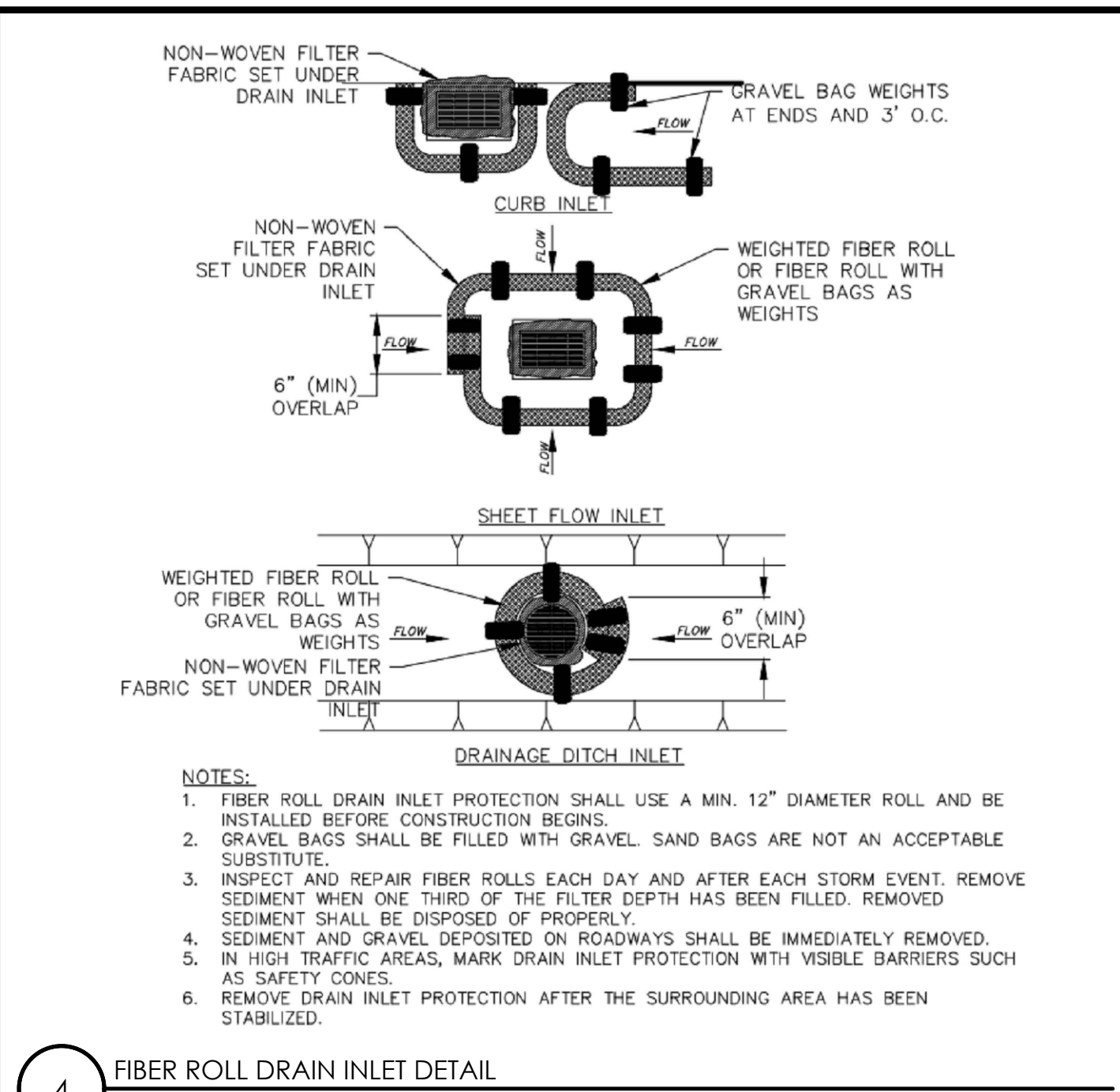
SHEET TITLE:

DETAILS

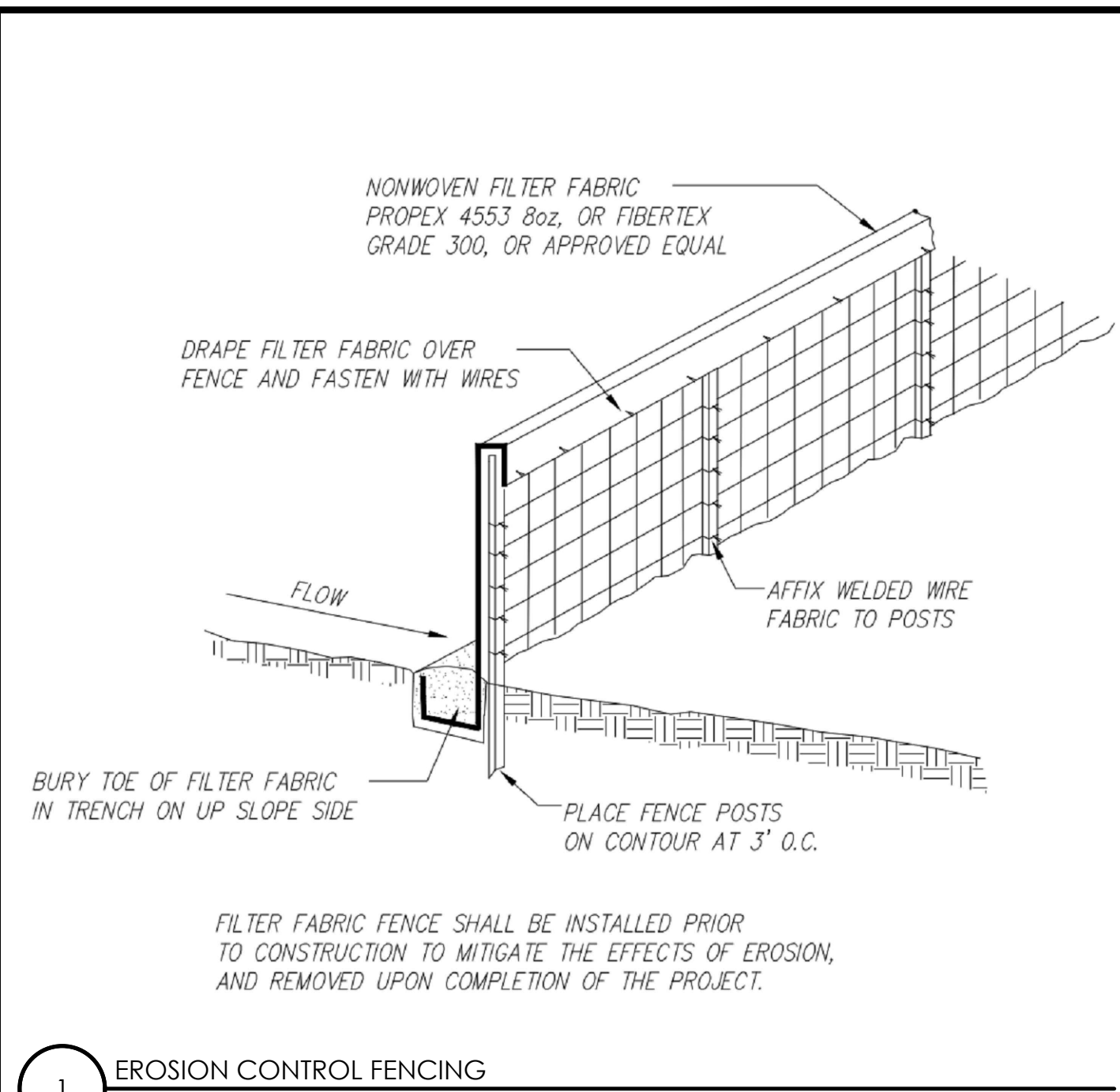
D1



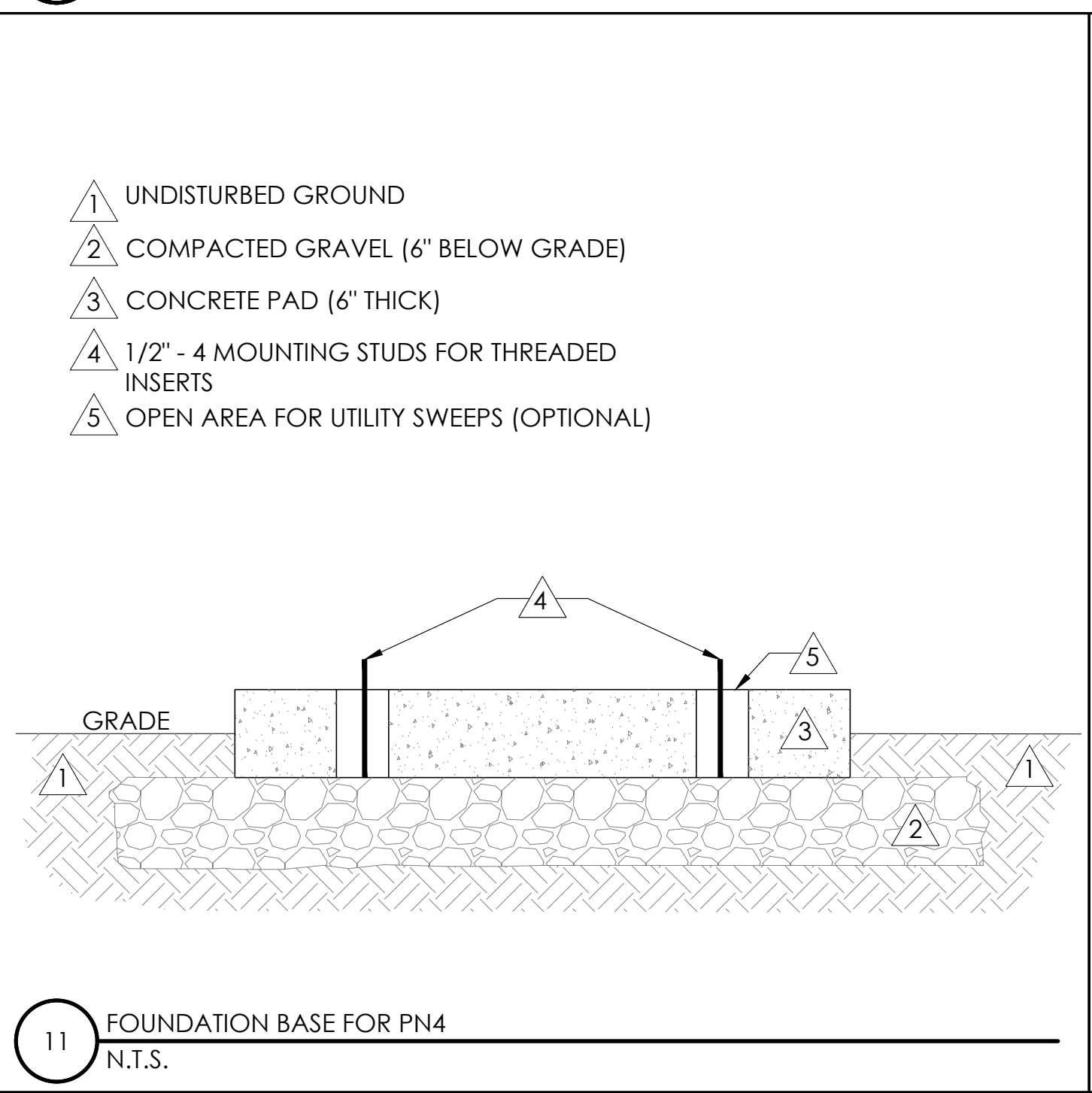
10 BOLLARD DETAIL
N.T.S.



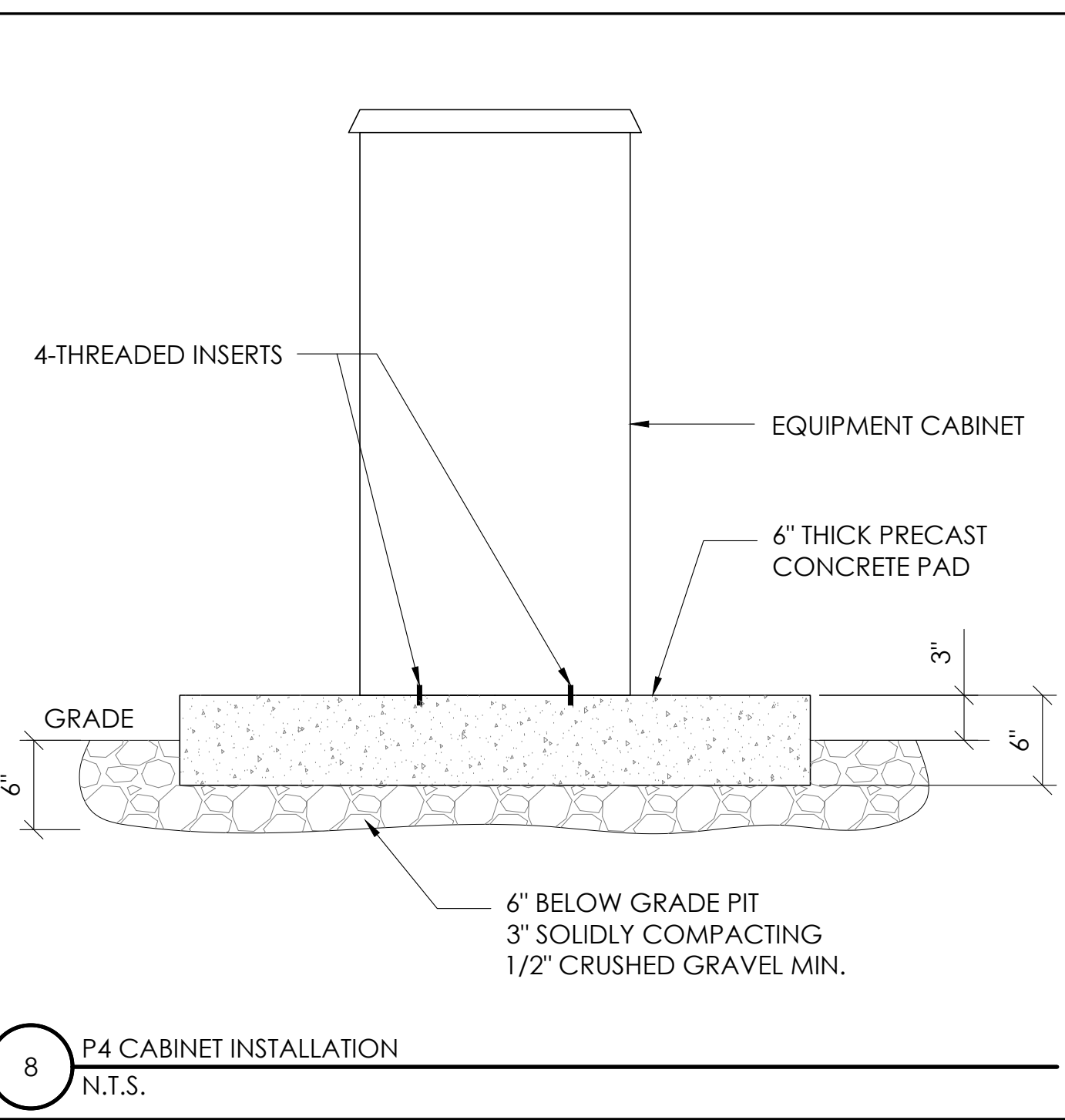
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



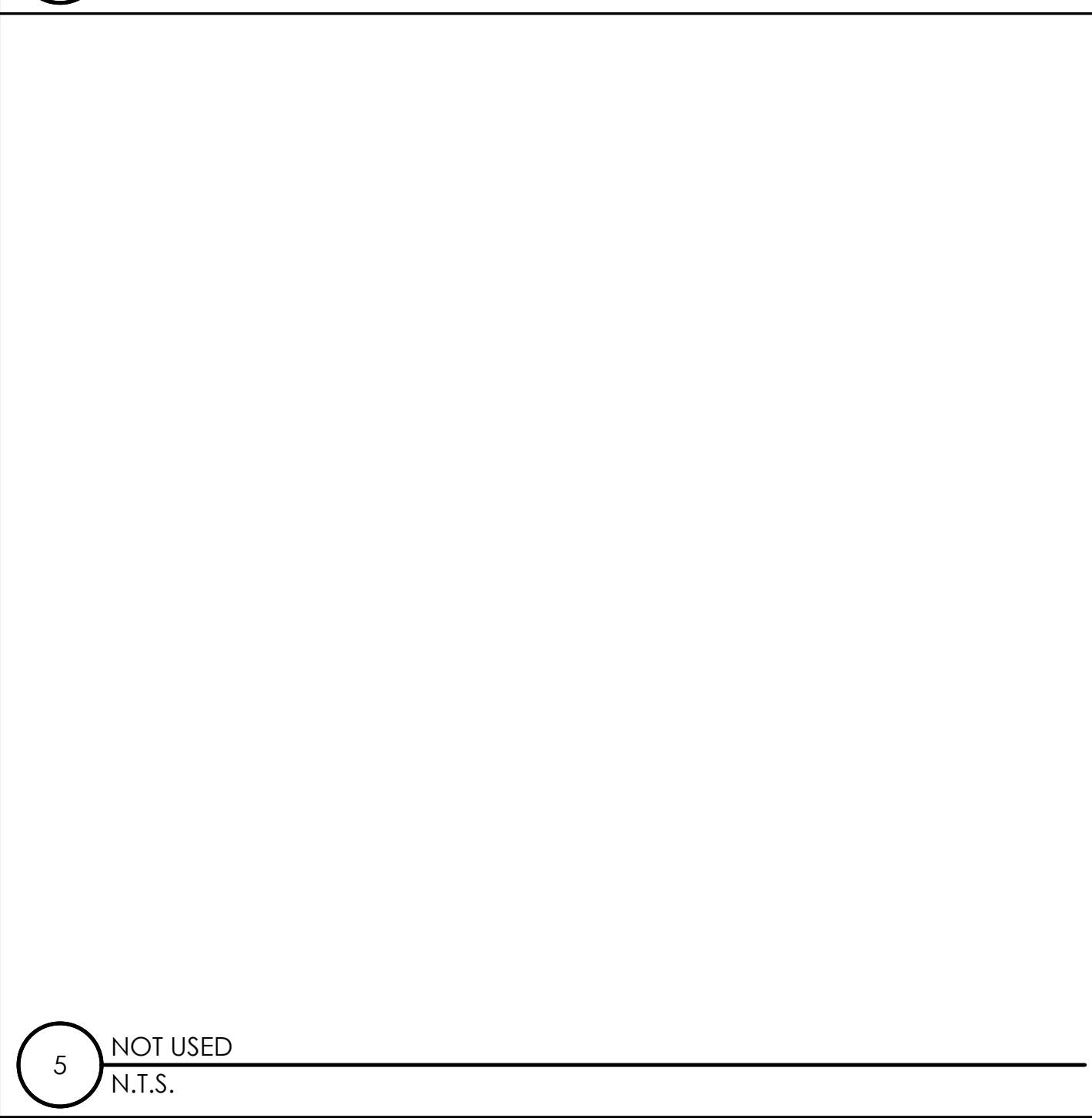
1 EROSION CONTROL FENCING
N.T.S.



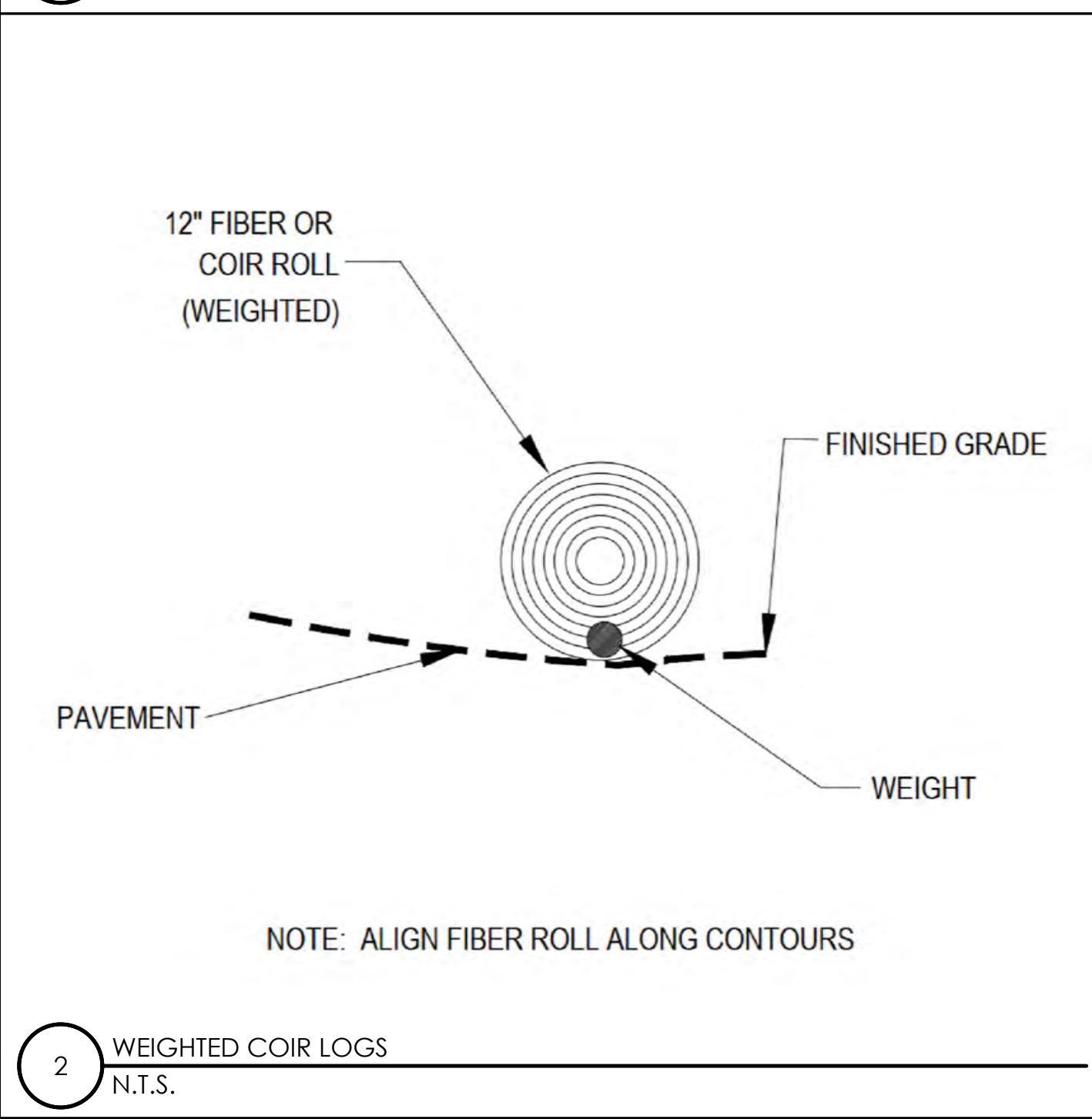
11 FOUNDATION BASE FOR PN4
N.T.S.



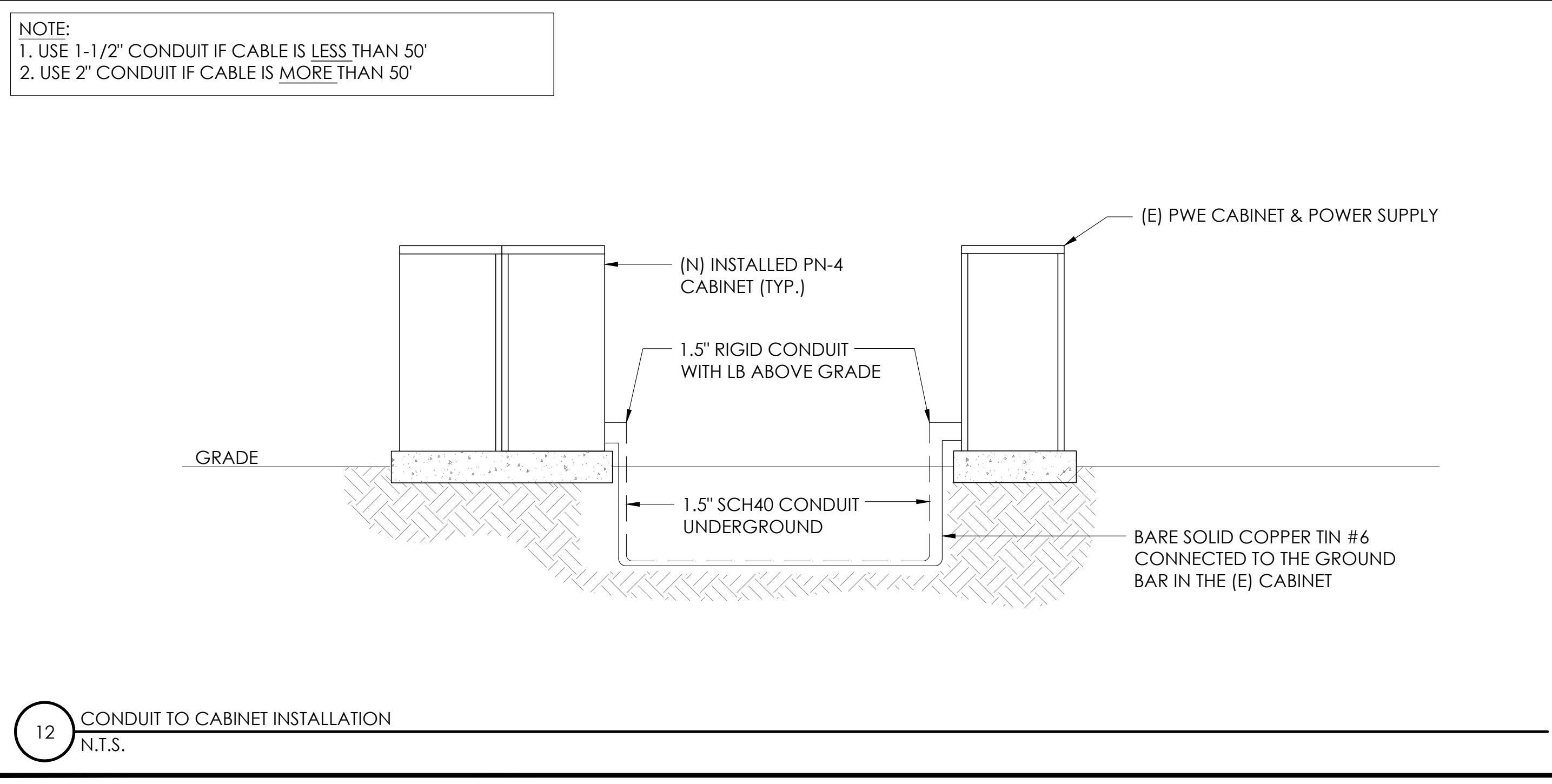
8 P4 CABINET INSTALLATION
N.T.S.



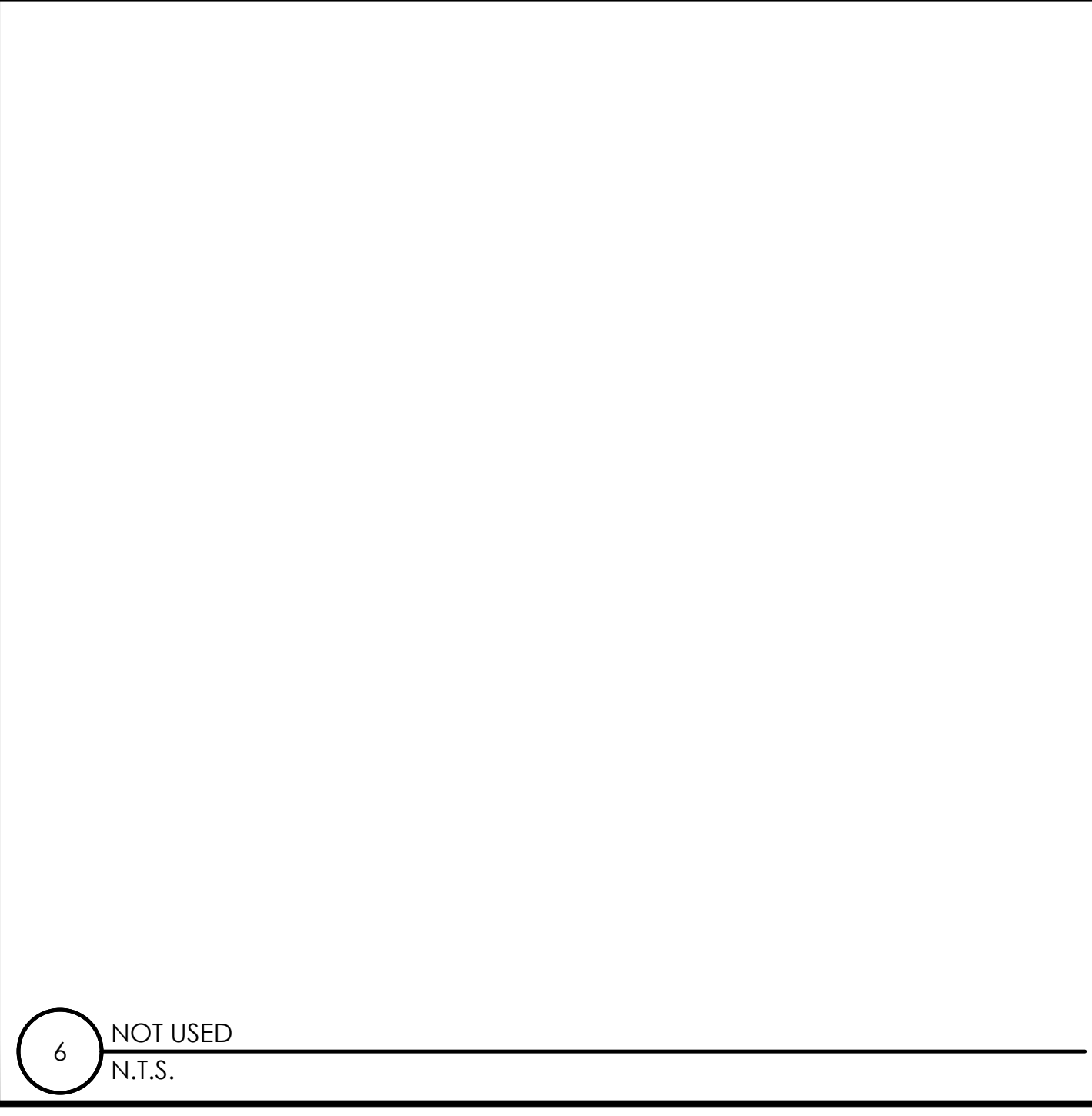
5 NOT USED
N.T.S.



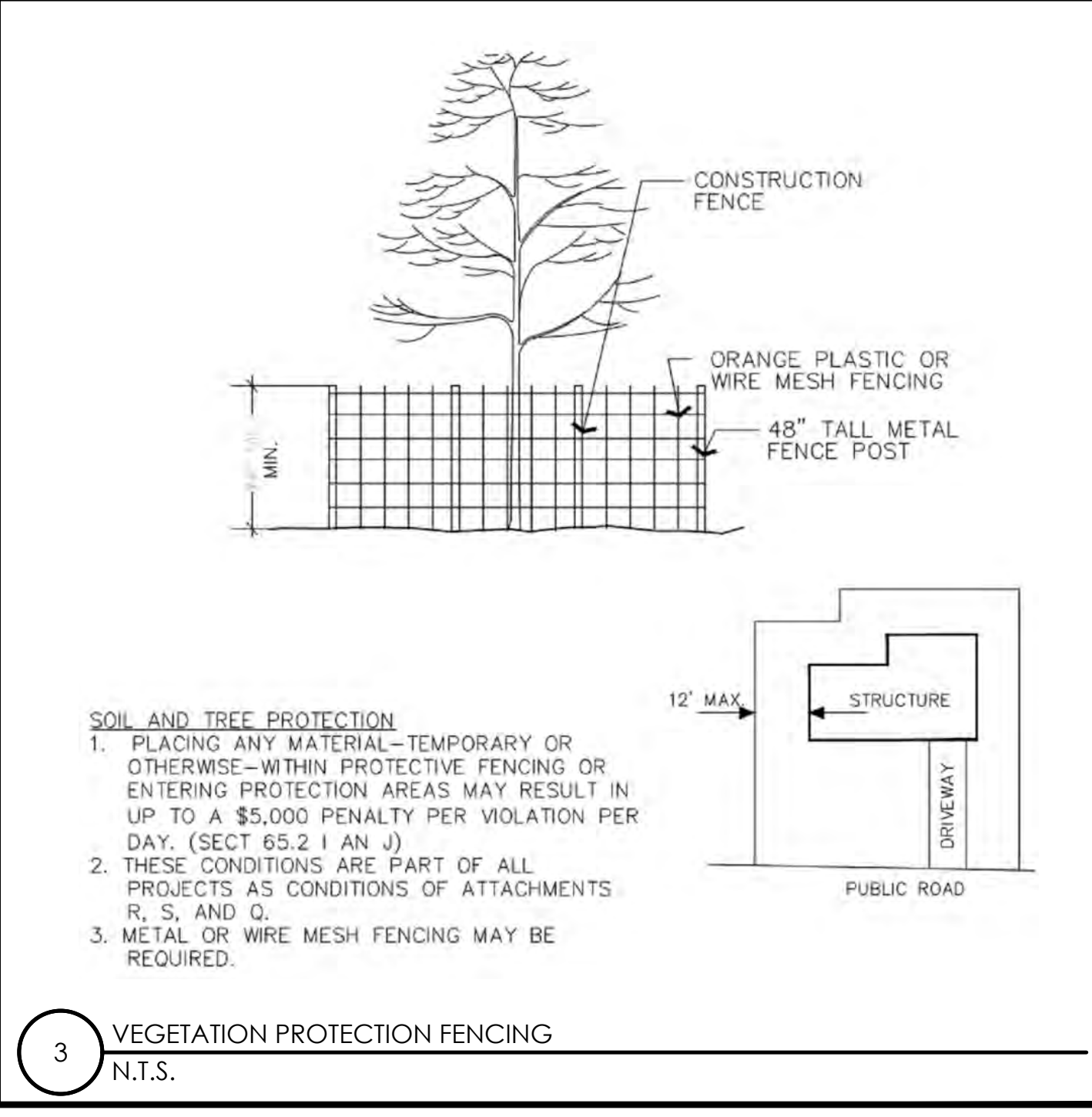
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069700

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/19/23	SURVEY SHT / BOLLARDS ADD	MZ

SEAL

REGISTERED PROFESSIONAL ENGINEER
CARLOS P. J. J. J.
S6550
EXPIRES 3/31/25
STRUCTURAL
STATE OF CALIFORNIA
10/20/23

SITE INFORMATION

SITE ID:
ST131_

SITE ADDRESS:
957 COUNCIL ROCK DR,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS

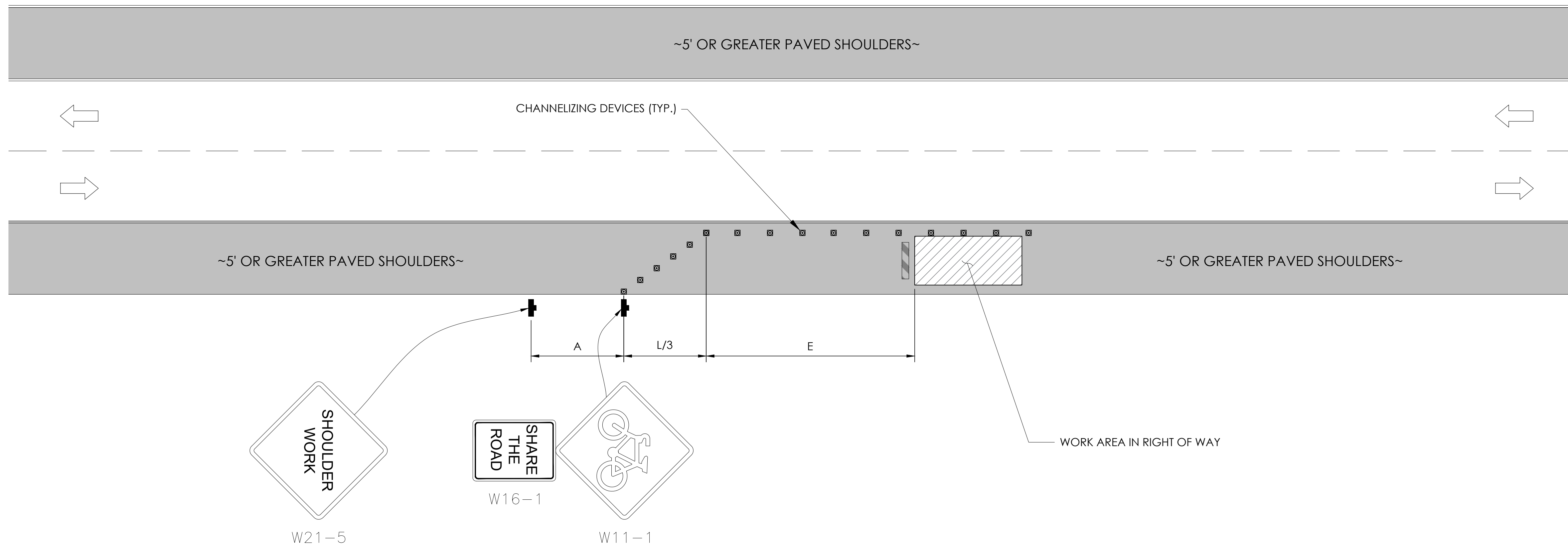
D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
 7:00AM - 3:30PM



GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

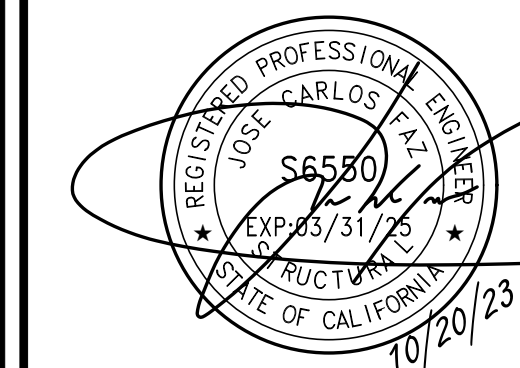
SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B)		MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					(0%) (-3%) (-6%)	ft			
25	100	125	65	45	(155) (160) (135)	ft	25	50	12
30	250	180	90	60	(200) (205) (215)	ft	30	60	15
35	250	245	125	85	(250) (260) (275)	ft	35	70	17
40	250	320	160	110	(305) (315) (335)	ft	40	80	20
45	350	540	270	180	(360) (380) (400)	ft	45	90	22
50	350	600	300	200	(425) (450) (475)	ft	50	100	25
55	500	660	330	220	(495) (520) (555)	ft	50	100	25
60	500	720	360	240	(570) (600) (640)	ft	50	100	25
65	500	780	390	260	(645) (685) (730)	ft	50	100	25

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/19/23	SURVEY SHT / BOLLARDS ADD	MZ

SEAL



SITE INFORMATION

SITE ID:
ST131_

SITE ADDRESS:
957 COUNCIL ROCK DR,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



2A SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ENERSYS SBS 190 BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

LOCATION MAP



SITE ID: ST137A_A

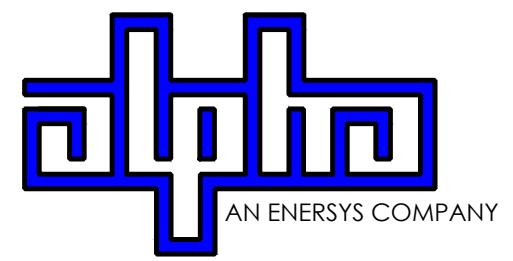
SITE ADDRESS:
980 TAHOE ISLAND,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	980 TAHOE ISLAND SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9200793, -120.0020526
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	240
AMP DRAW:	5
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	0.7 C.Y.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058756

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/27/23	SURVEY SHEET ADD	MZ

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

CODE COMPLIANCE

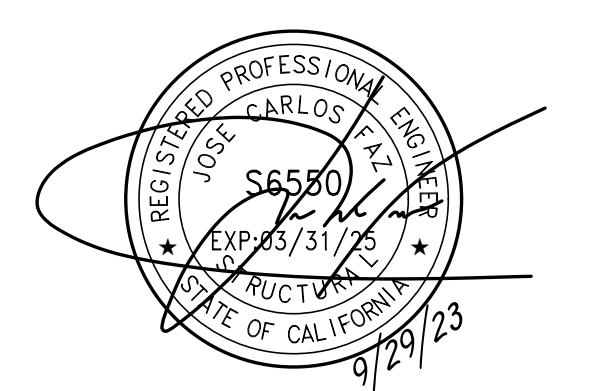
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- | | |
|---|---|
| 1. CALIFORNIA BUILDING STANDARDS CODE, 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020. | PART 8 - CALIFORNIA HISTORICAL BUILDING CODE |
| PART 1 - CALIFORNIA ADMINISTRATIVE CODE | PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE |
| PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE | PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE |
| PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE | PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN) |
| PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE | PART 12 - CALIFORNIA REFERENCED STANDARDS CODE |
| PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE | 2. ANSITIA-222 (REV H) |
| PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE | 3. 2018 NFPA 101, LIFE SAFETY CODE |
| PART 6 - CALIFORNIA ENERGY CODE | 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE |
| PART 7 - VACANT | 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS |

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

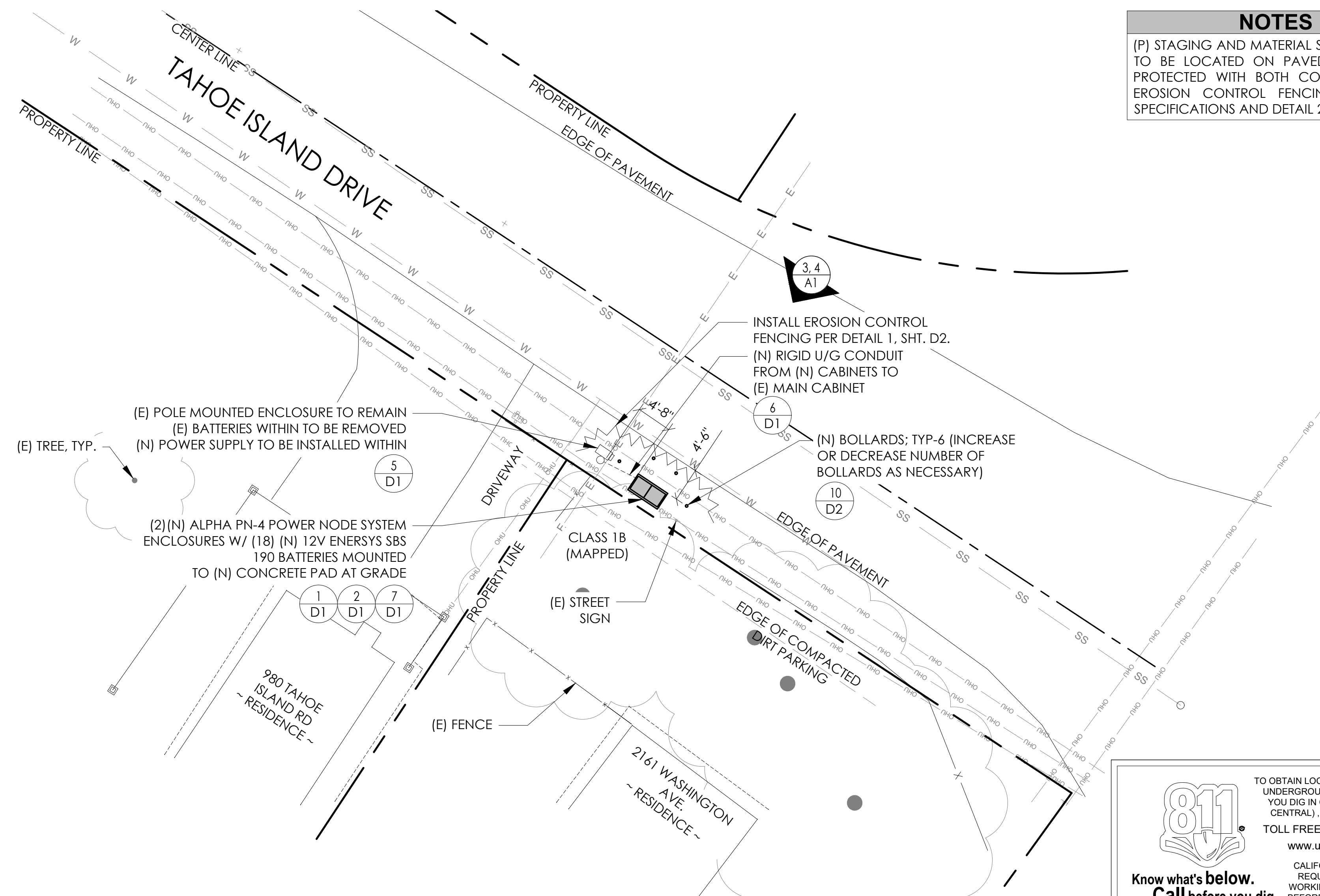
SITE ID:
ST137A_A

SITE ADDRESS:
980 TAHOE ISLAND,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TITLE SHEET

T1



811
Know what's below.
Call before you dig.

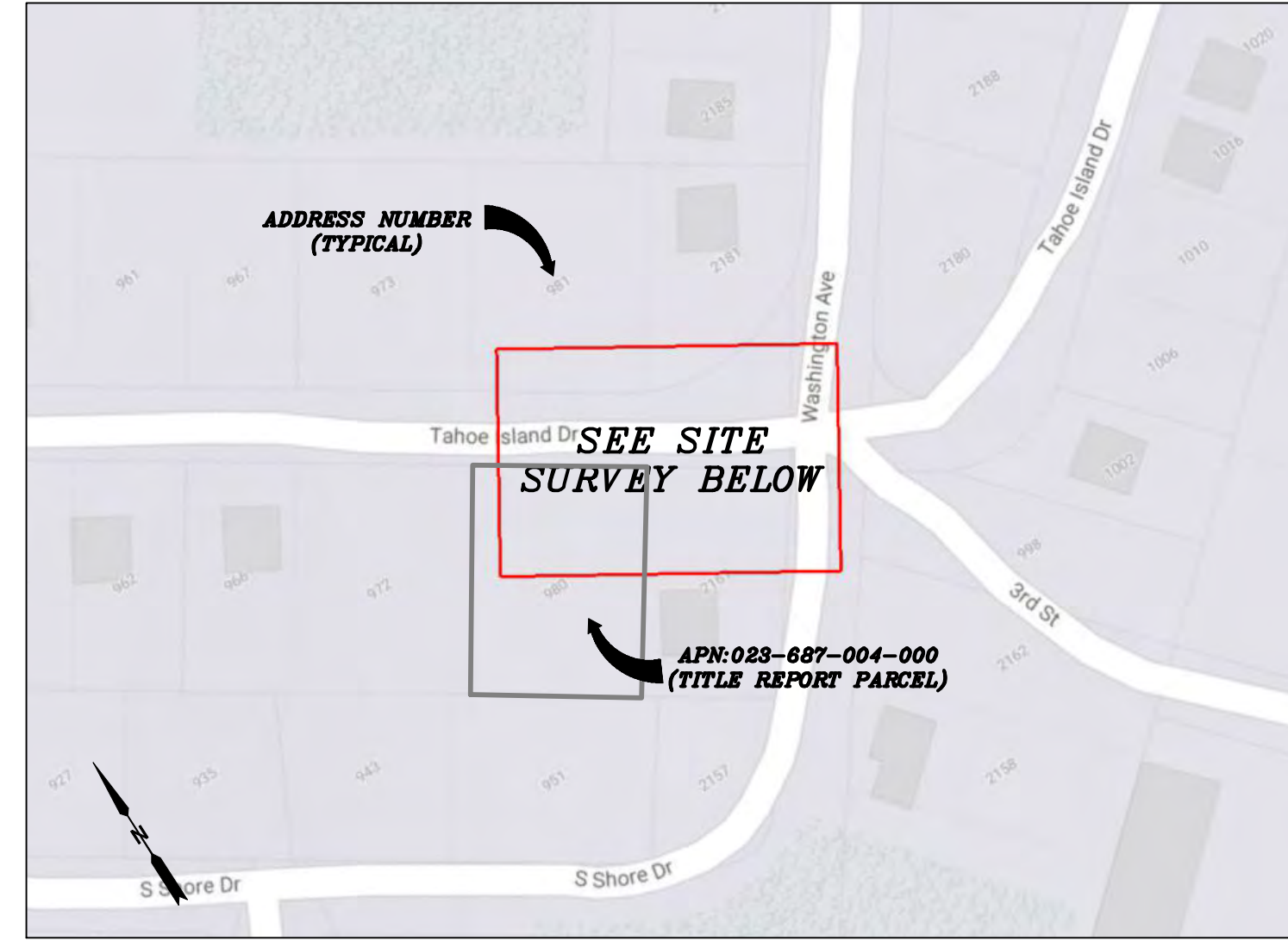
TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
TOLL FREE: 1-800-227-2600 OR www.usanorth811.org
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

SITE PLAN

24"x36" SCALE: 1" = 10'-0"
11"x17" SCALE: 1" = 20'-0"
10' 5' 0' 10'



VICINITY MAP
N.T.S.



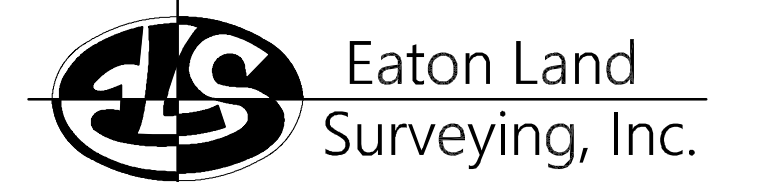
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

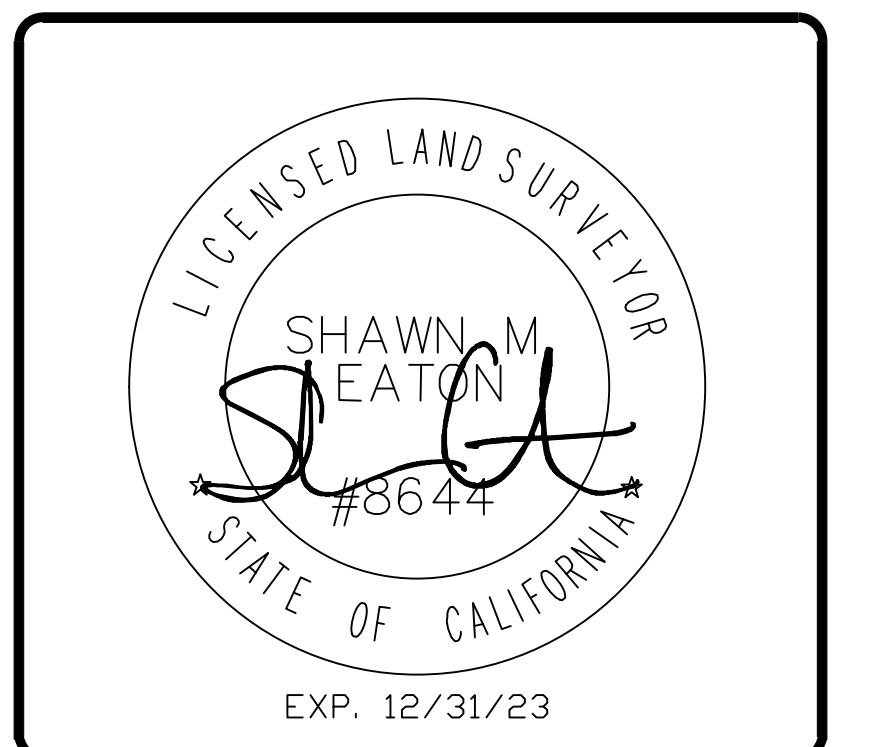
ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST137A_A
980 TAHOE ISLAND DR.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/29/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

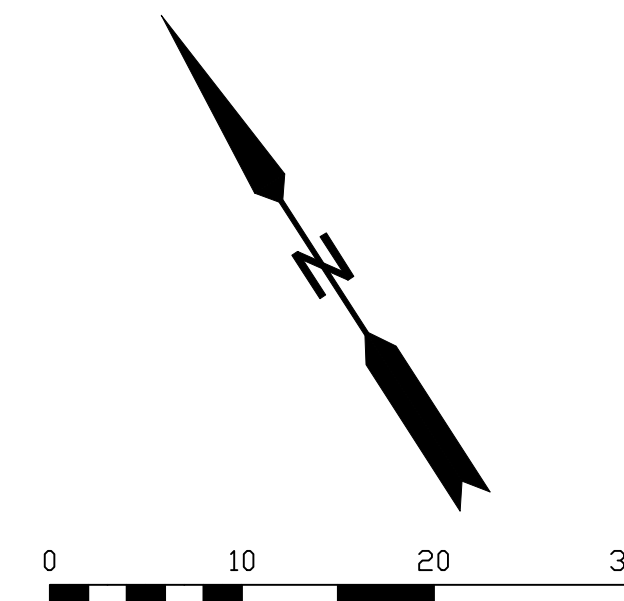
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

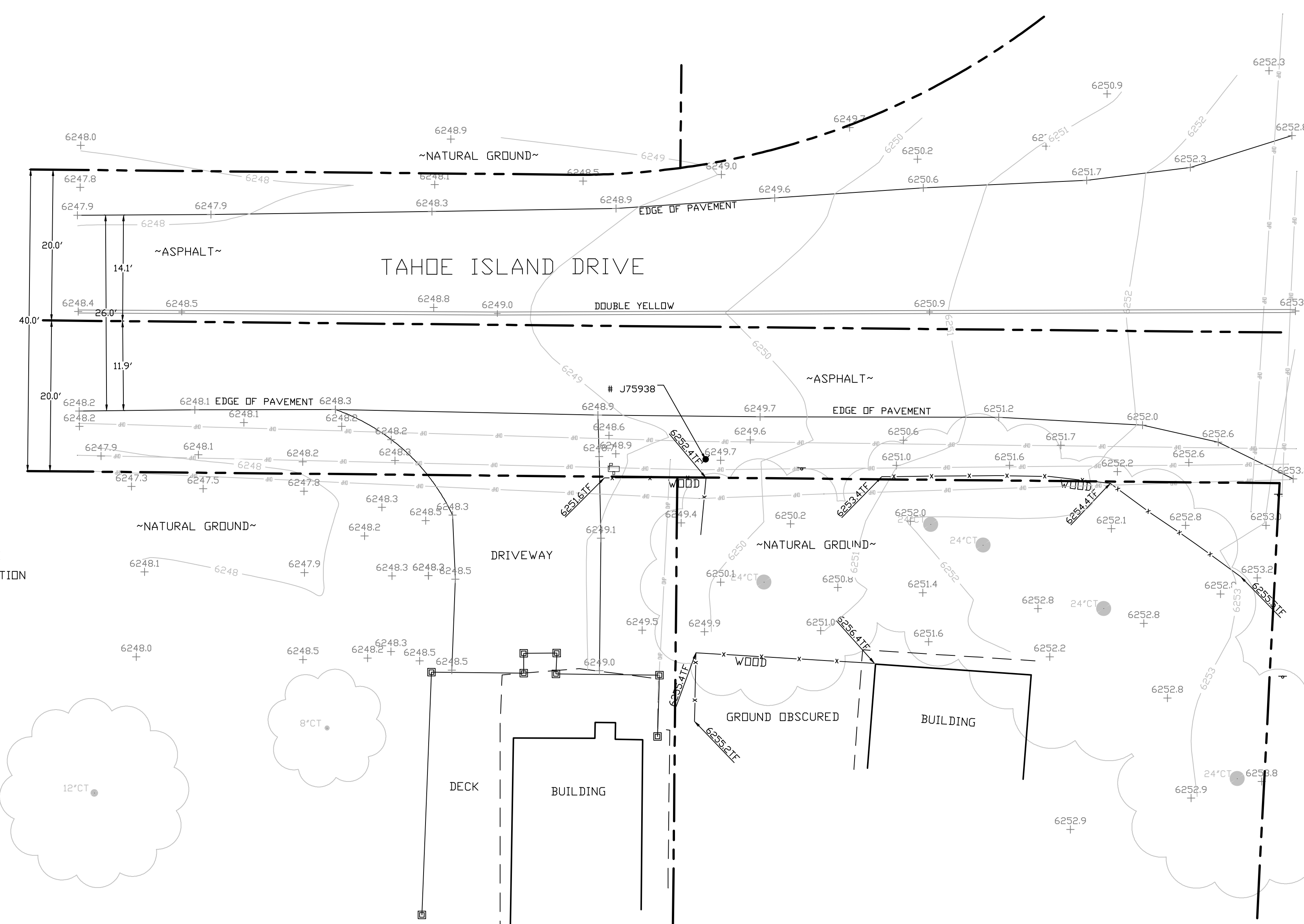
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 61 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 023-687-004-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032276 DATED 08/31/2023;



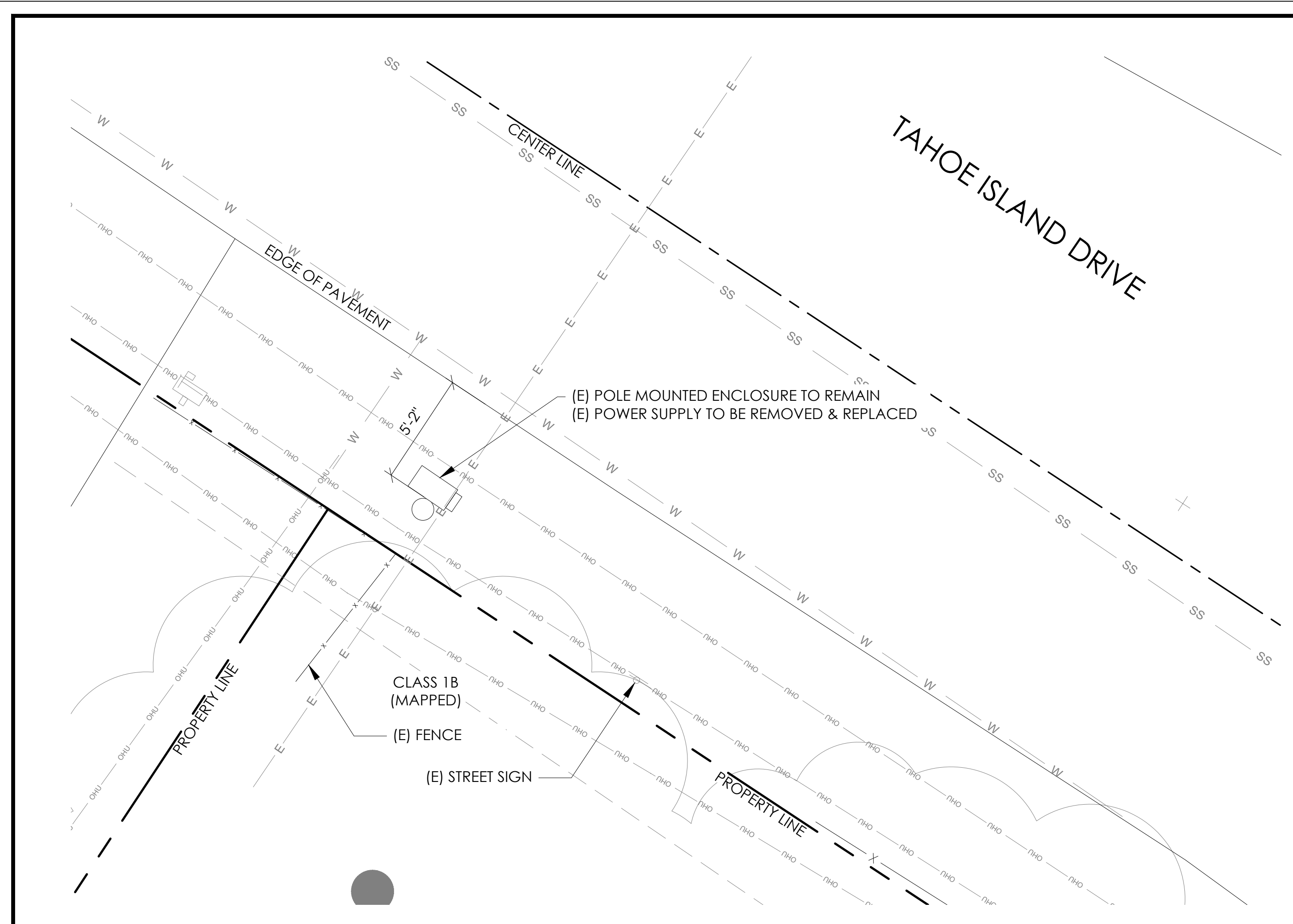
LEGEND
These standard symbols may be found in the drawing.

- CONCRETE
- PROPERTY LINE
- CENTER LINE
- OVERHEAD LINE
- FENCE
- HEADER
- ROOF
- WALL
- ROCK WALL
- PULLBOX ELECTRIC
- PULLBOX TELEPHONE
- PULLBOX COMMUNICATION
- WATER METER
- WATER VALVE
- POWER POLE
- ELEVATION GRADE
- GUY WIRE
- MAILBOX
- SIGN
- MANHOLE TELEPHONE
- MANHOLE SEWER
- RECTANGLE INLET
- FIRE HYDRANT
- SHRUB
- TRUNK
- CT CONIFEROUS TREE
- DT DECIDUOUS TREE
- TC TOP OF CURB
- FC FACE OF CURB
- TF TOP OF FENCE
- TW TOP OF WALL
- CD CURB DRAIN

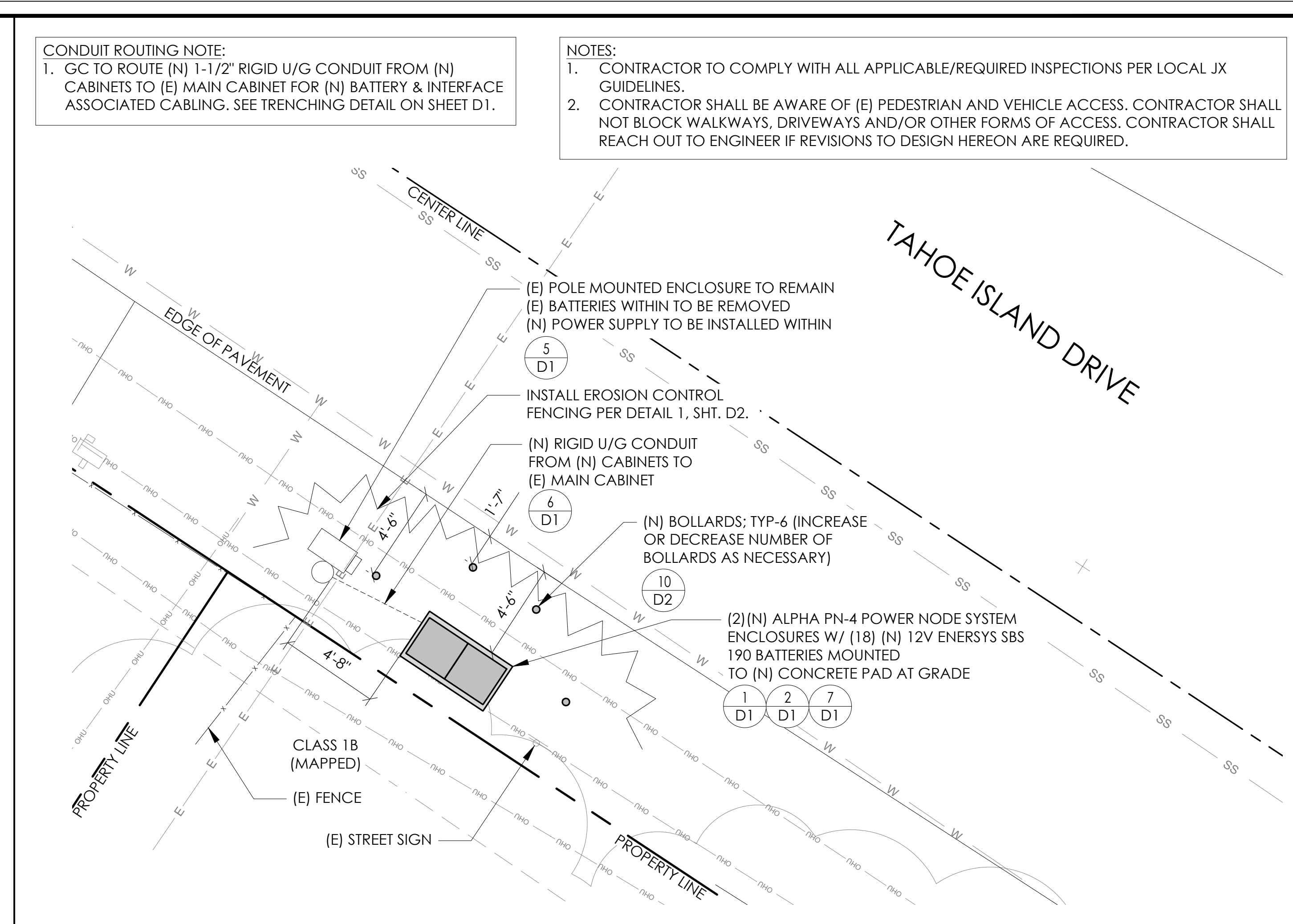


SITE SURVEY
SCALE 1"=10'

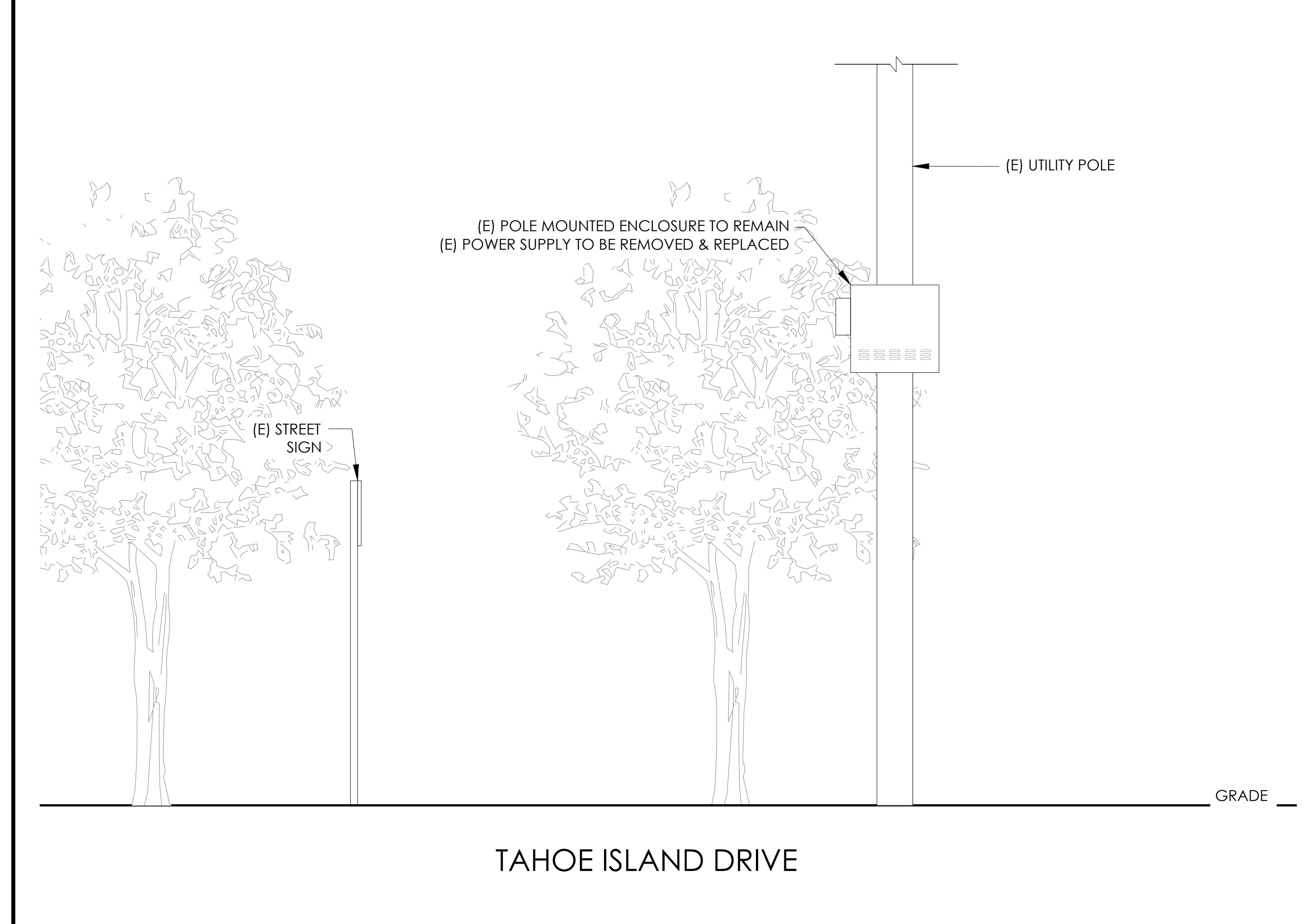




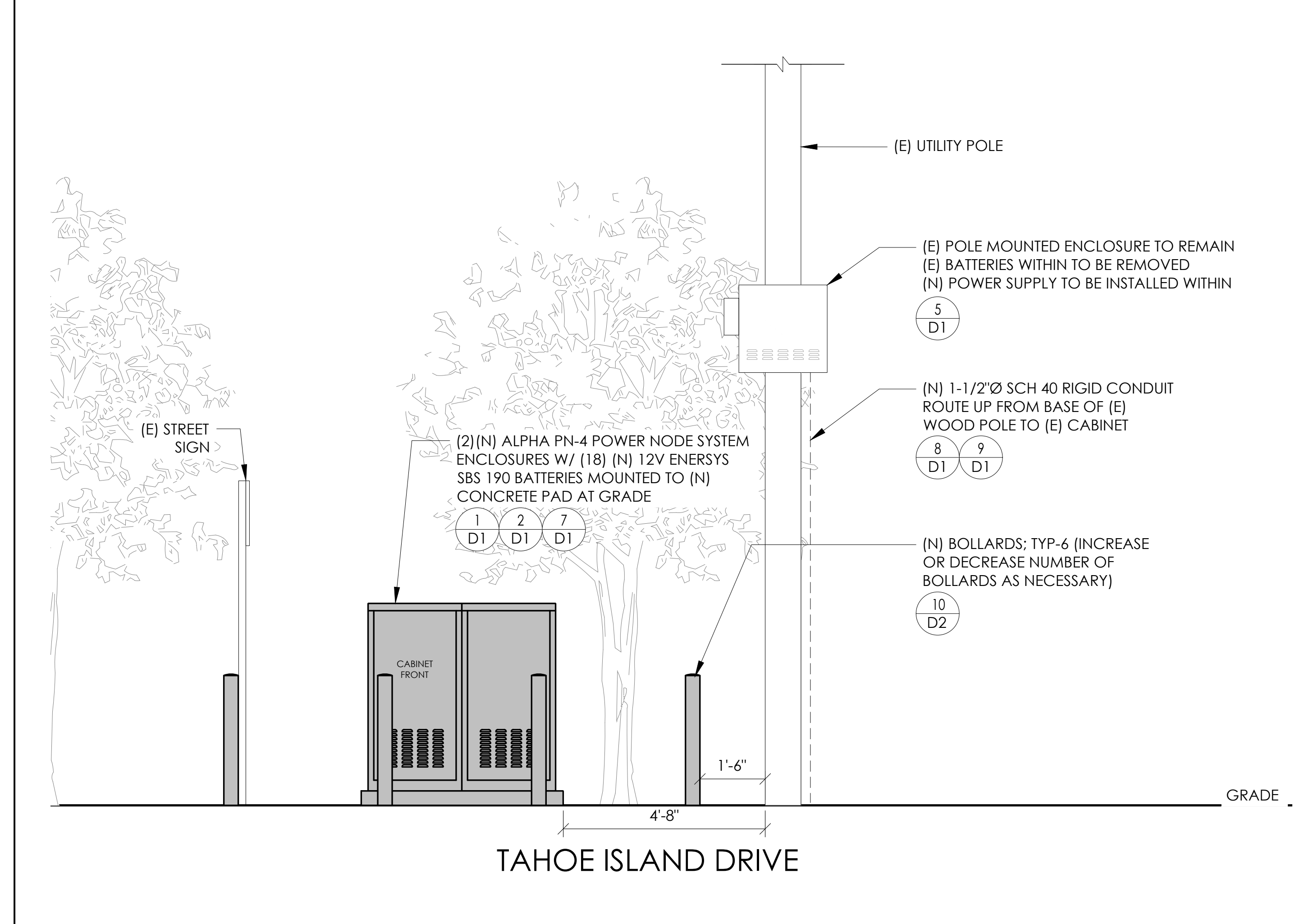
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3

CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

Charter Spectrum
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CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY
3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058756

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/27/23	SURVEY SHEET ADD	MZ

SEAL

SITE INFORMATION

SITE ID:
ST137A_A

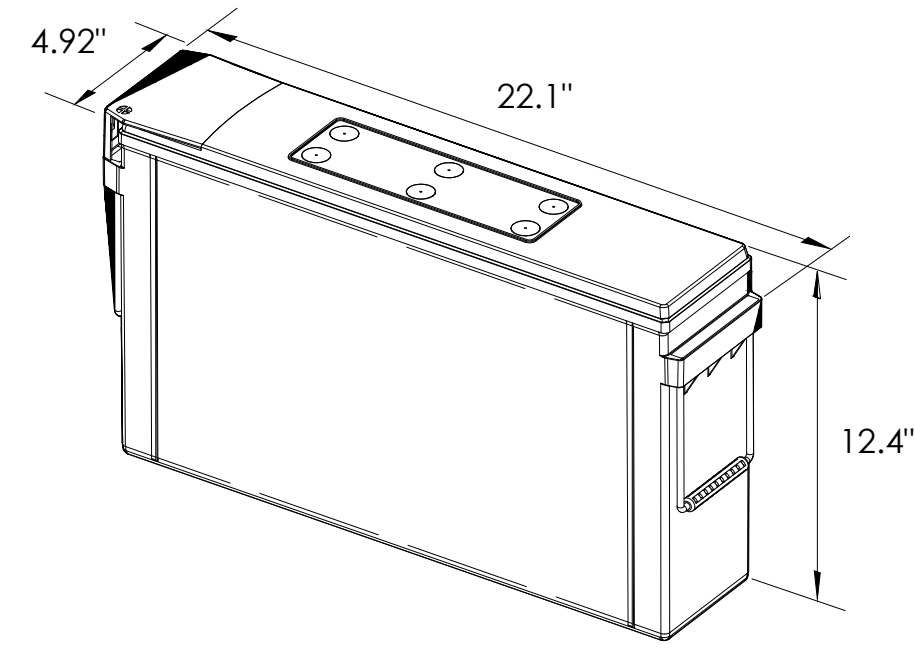
SITE ADDRESS:
980 TAHOE ISLAND,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



ENERSYS
SBS 190F BATTERY UNIT

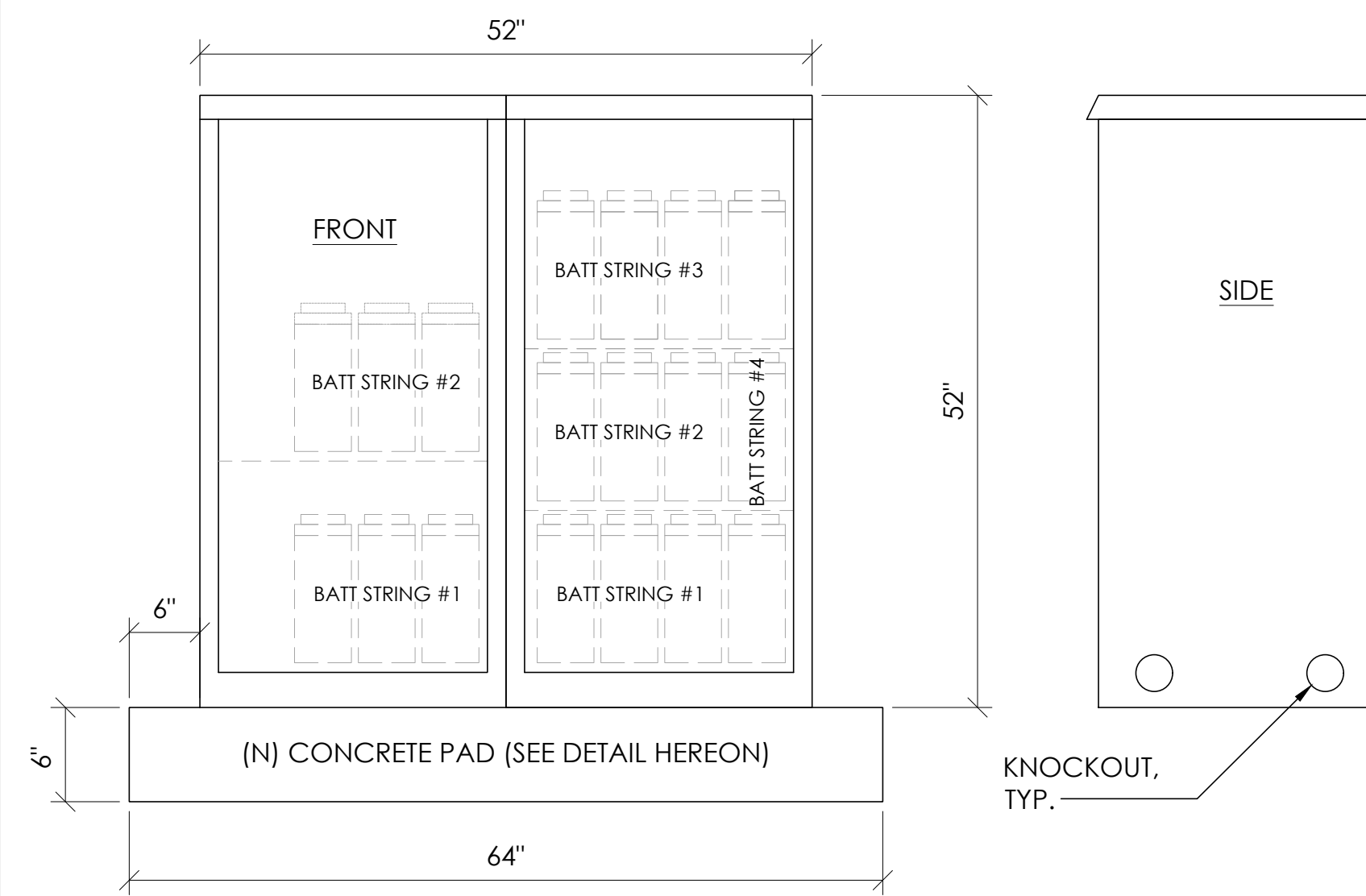


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ENERSYS
MODEL:	SBS 190 FT
HEIGHT:	12.4 IN
WIDTH:	4.92 IN
LENGTH:	22.1 IN
WEIGHT:	132 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE SBS 190F	18	12	190	2.28	41.04			2.34	42.12
TOTAL		18				41.04	70	CFC 2019 SECTION 1206 DOES NOT APPLY		42.12

7 BATTERY SPECIFICATIONS
N.T.S.

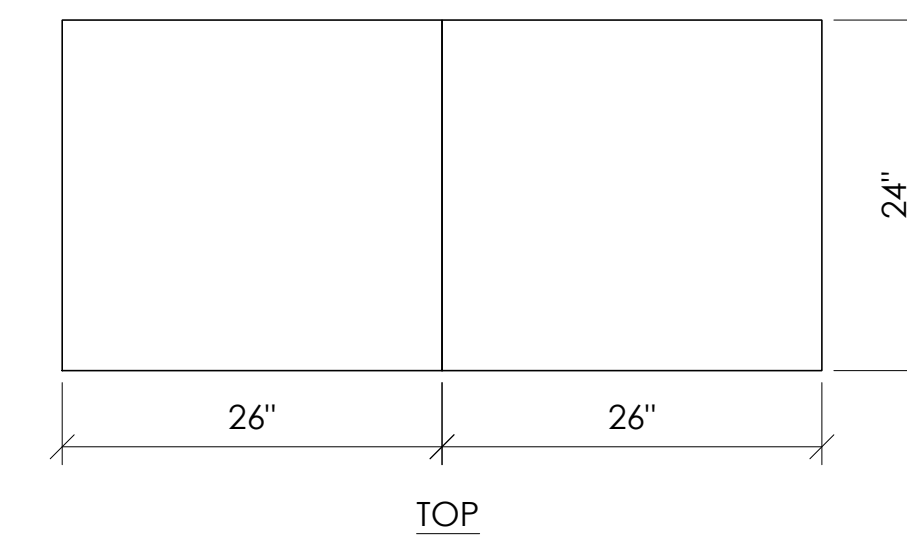


CABINET SPECIFICATIONS

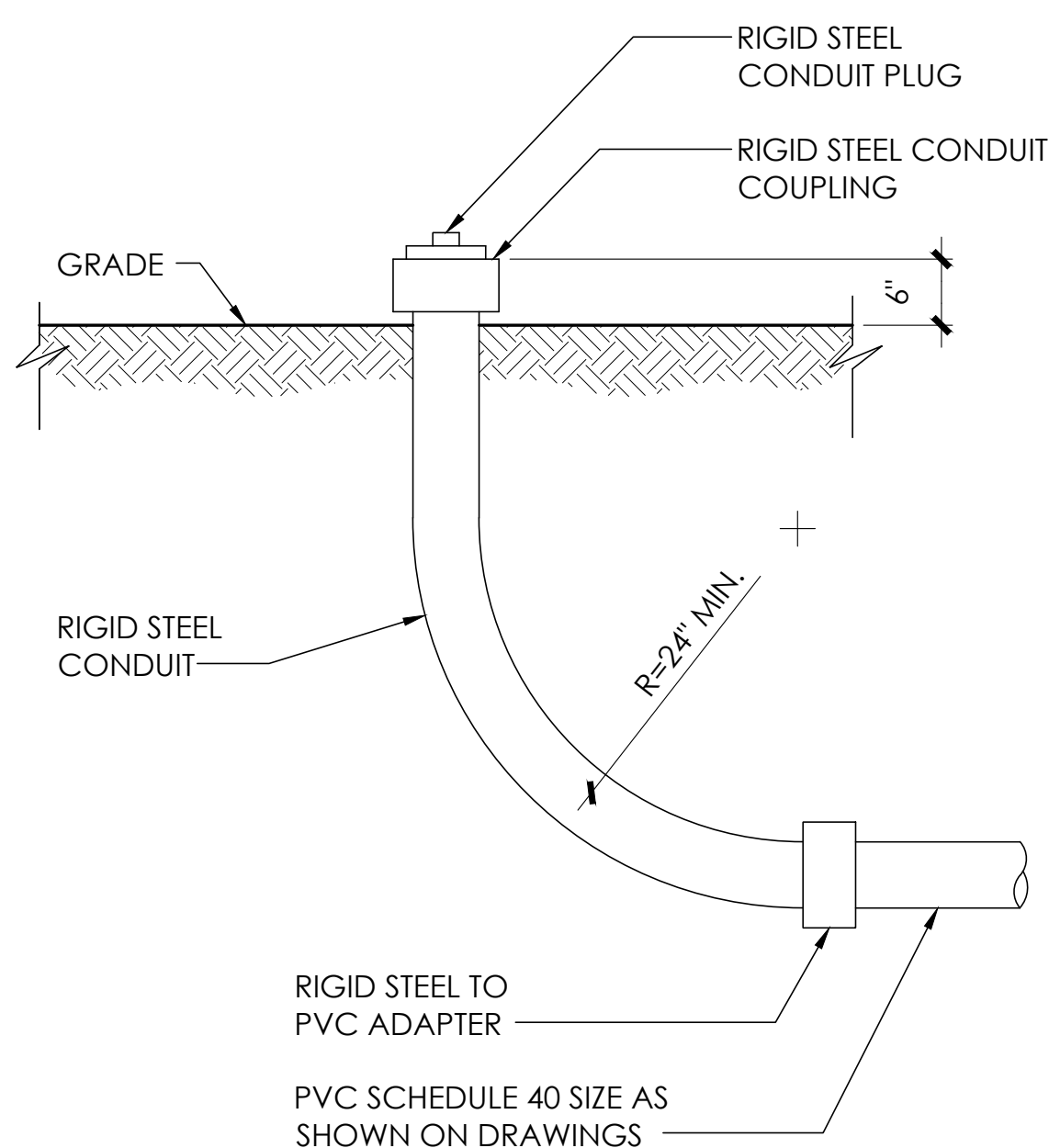
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,736 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



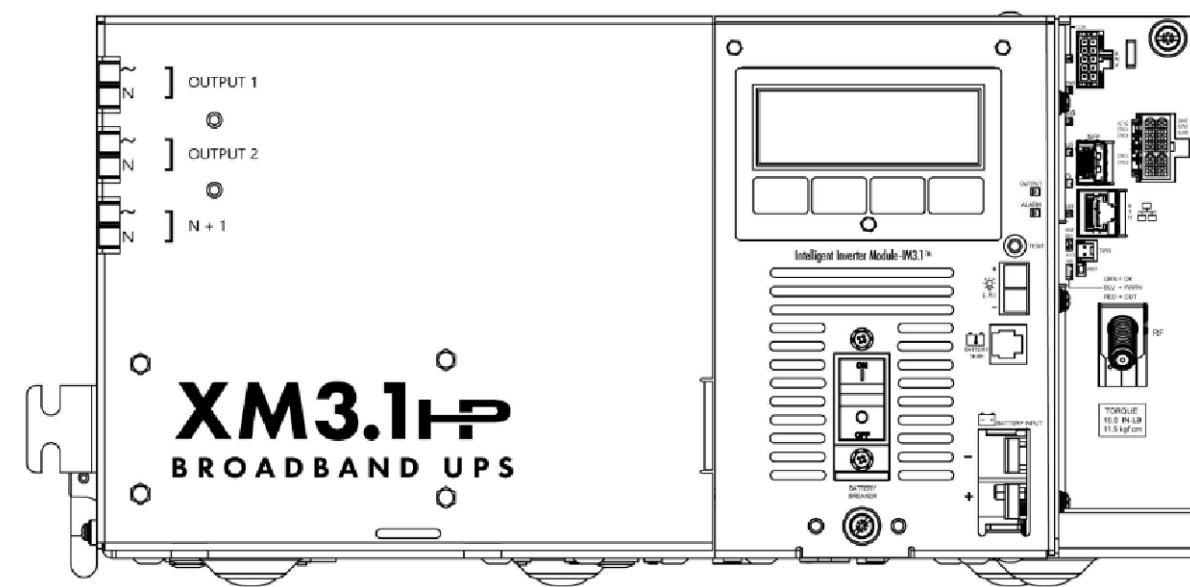
1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



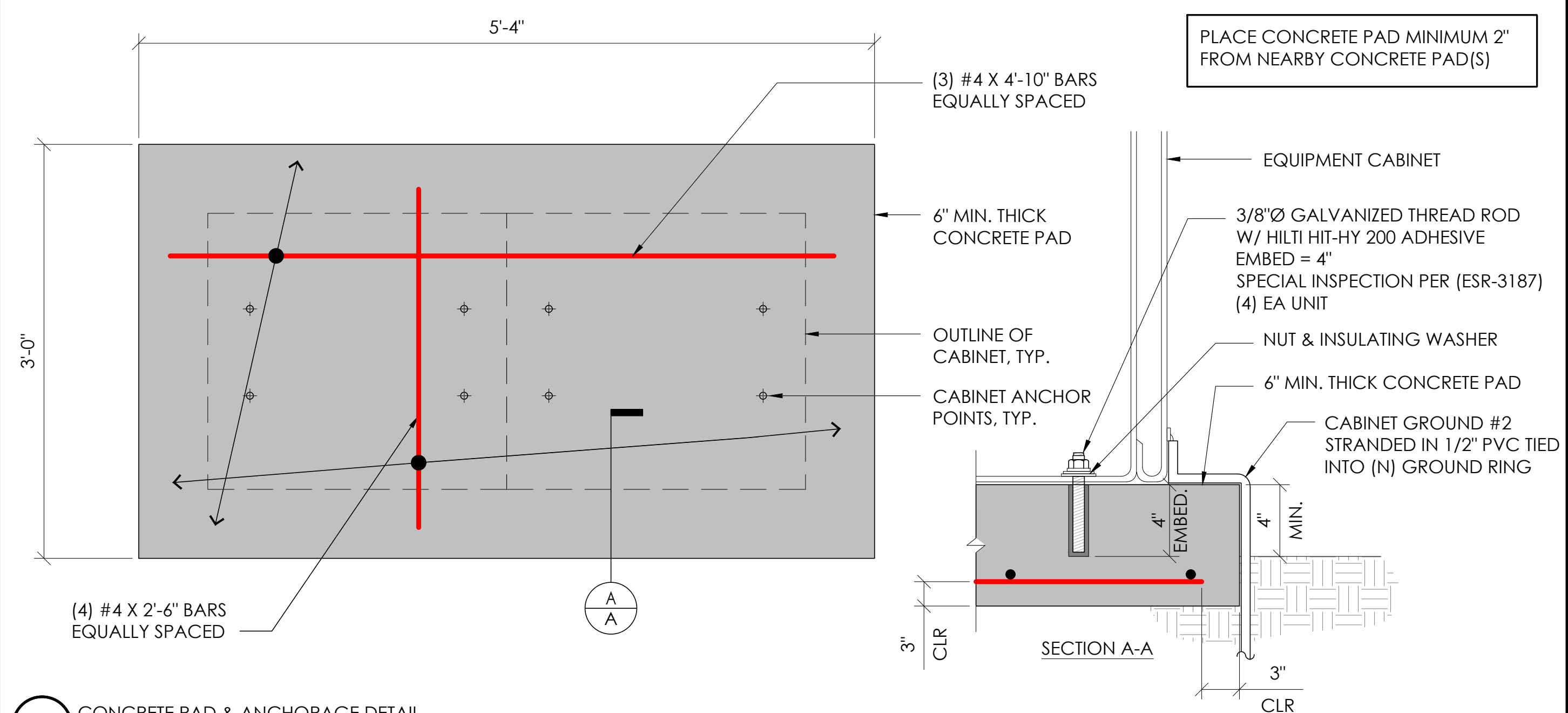
8 STUB-UP DETAIL
N.T.S.

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

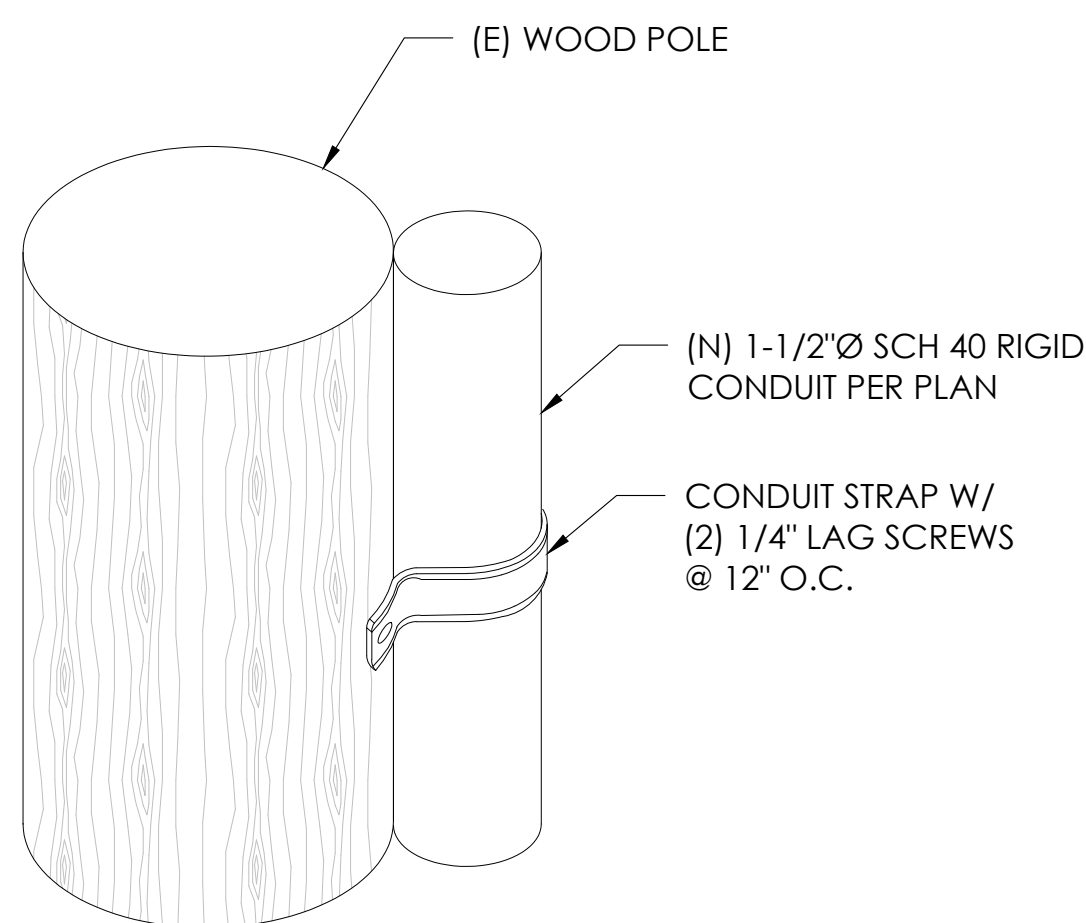


5 POWER SUPPLY DETAIL
N.T.S.



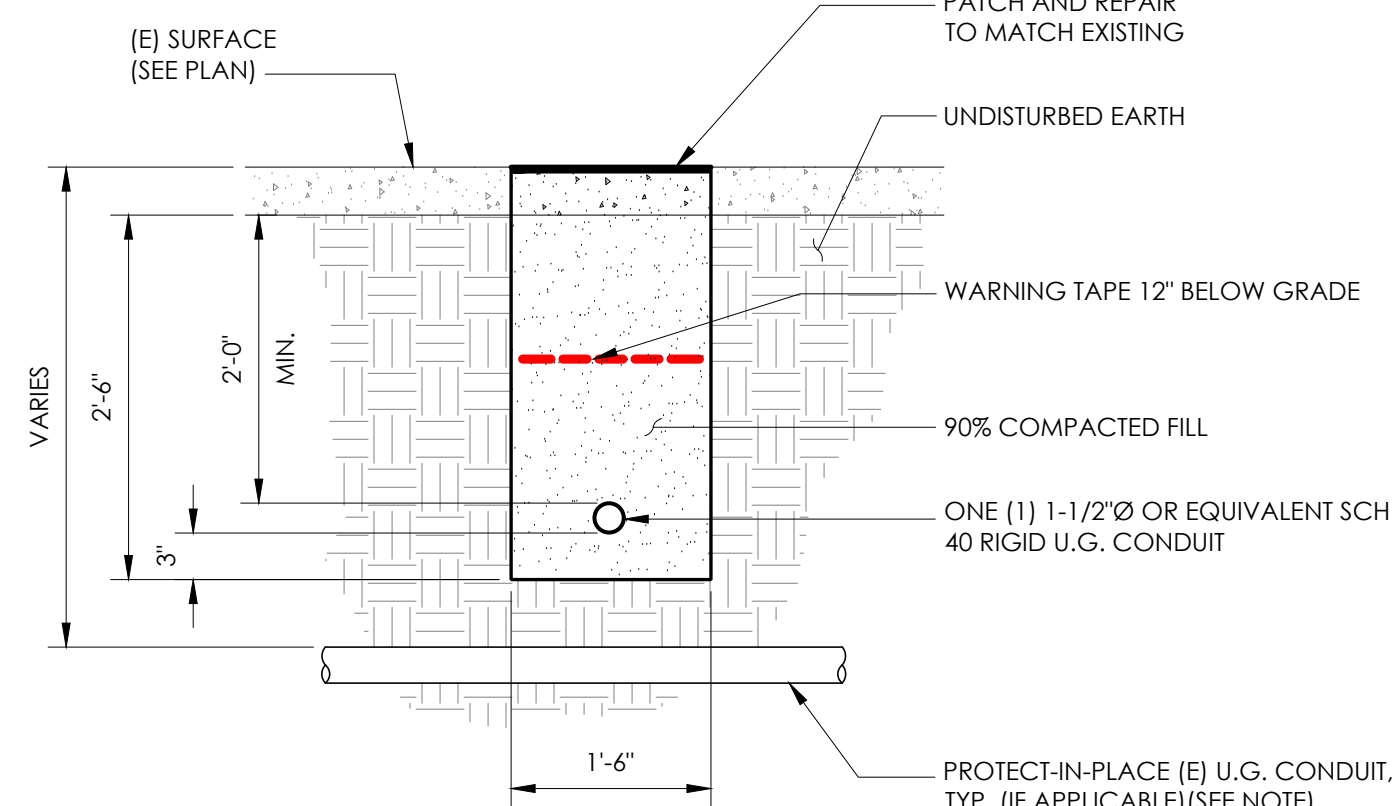
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. CONTRACTOR TO VERIFY RISER MOUNTING REQUIREMENTS W/ POLE OWNER AND/OR POWER COMPANY



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

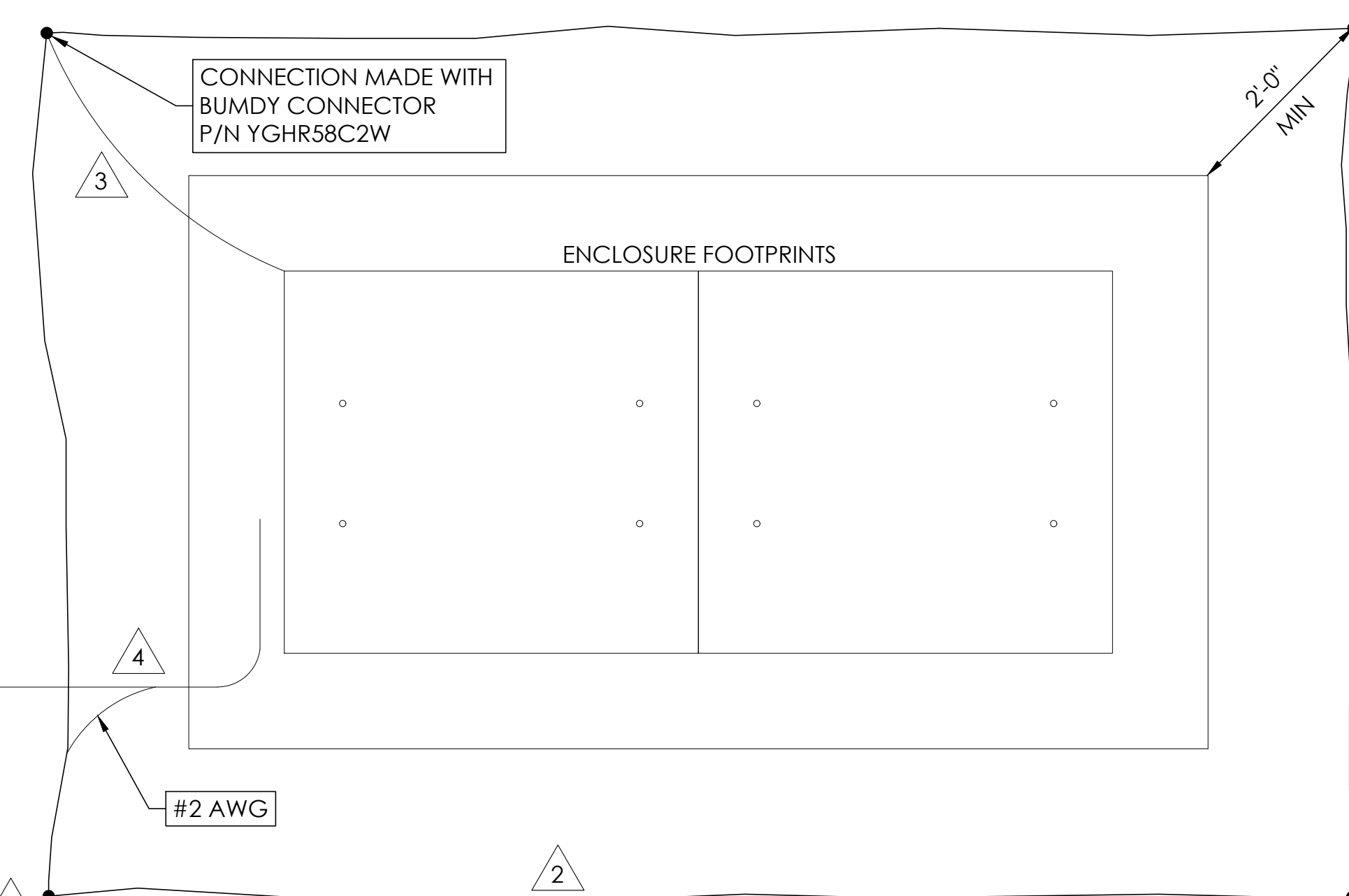
LIGHTNING PROTECTION (OPTIONAL)

- ⚠️ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- ⚠️ #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- ⚠️ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- ⚠️ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

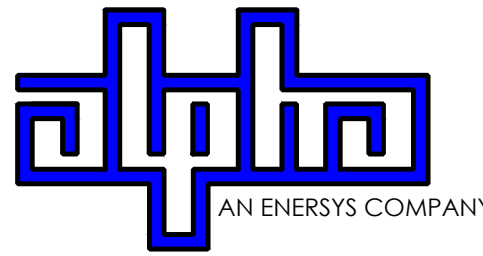
SERVICE GROUNDING (REQUIRED)
⚠️ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6' APART.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
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BELLINGHAM, WA 98226



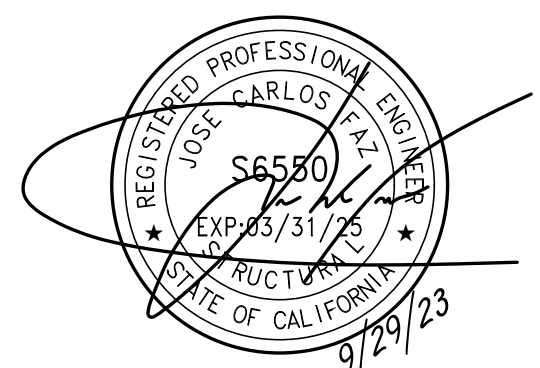
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058756

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/27/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

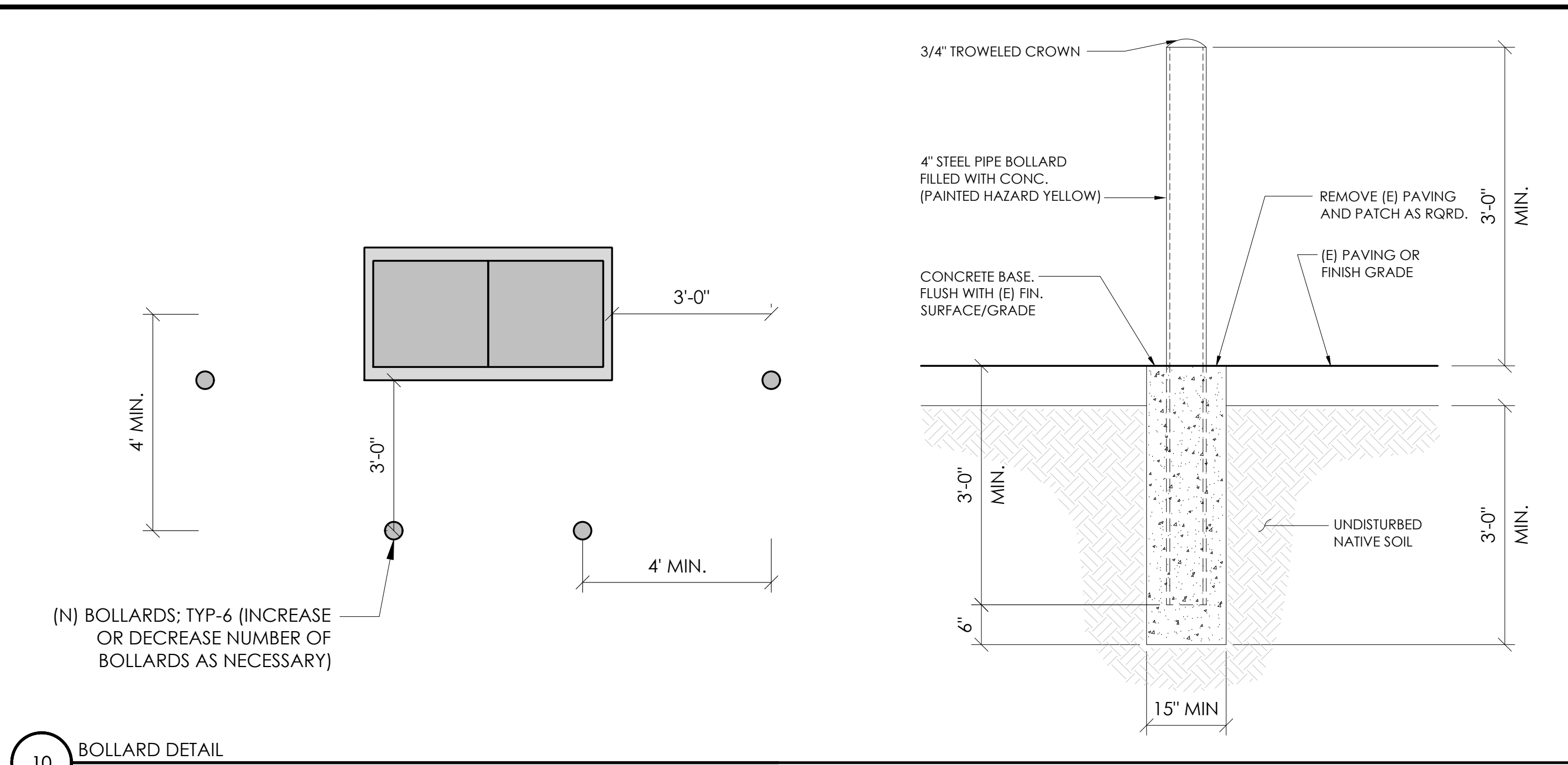
SITE ID:
ST137A_A

SITE ADDRESS:
980 TAHOE ISLAND,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

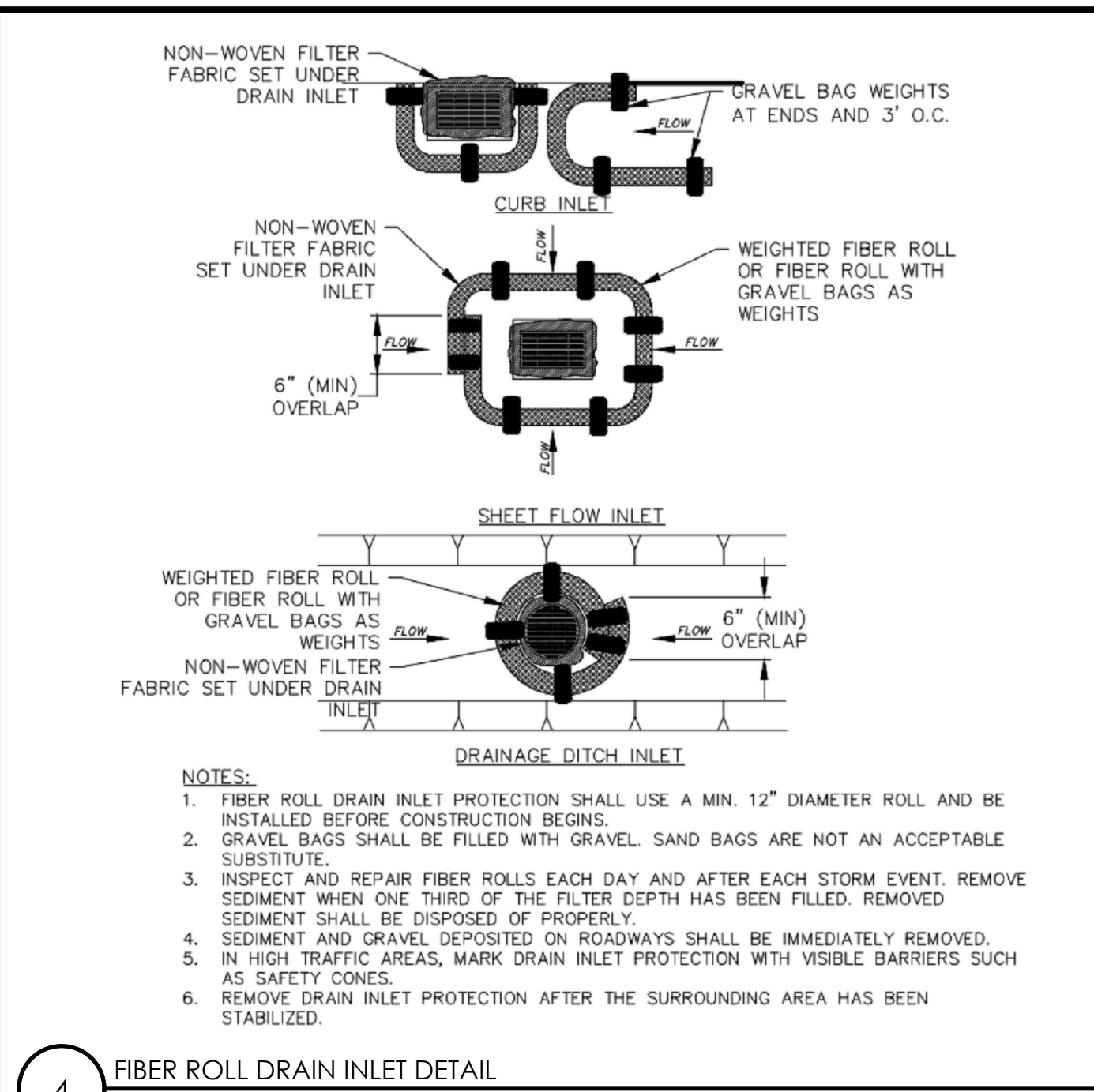
DETAILS

D1



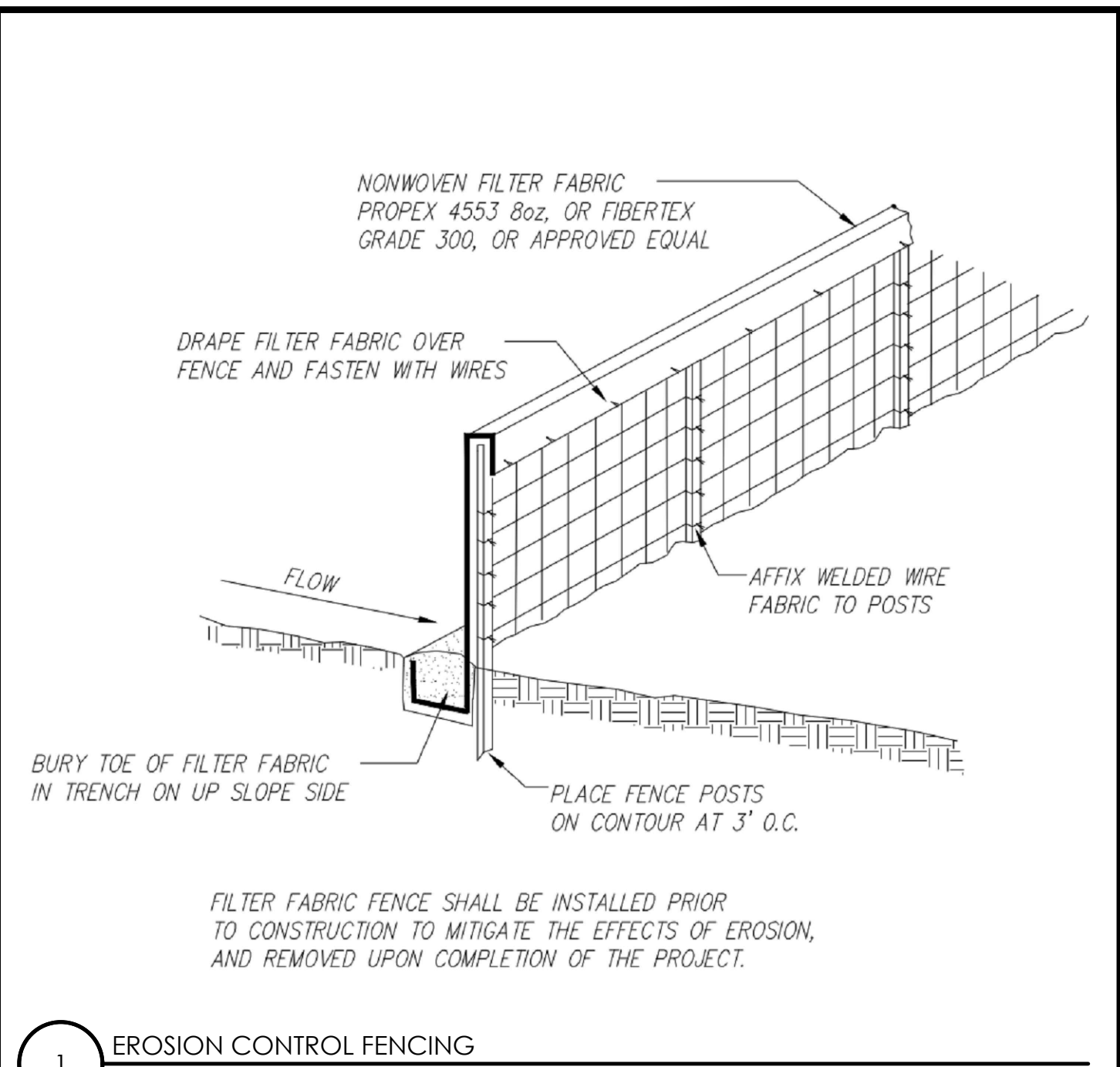
(N) BOLLARDS; TYP-6 (INCREASE OR DECREASE NUMBER OF BOLLARDS AS NECESSARY)

10 BOLLARD DETAIL
N.T.S.



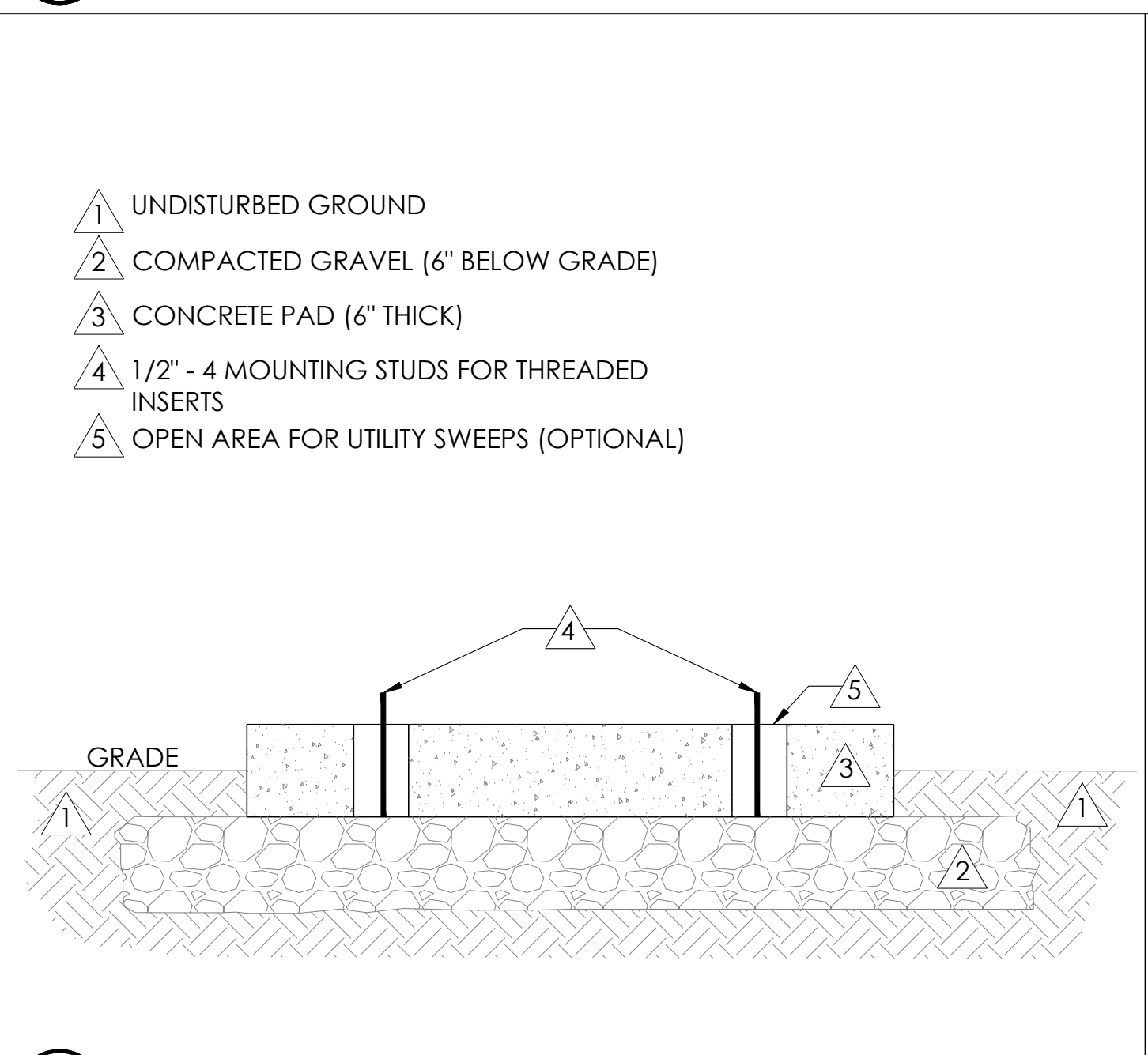
- NOTES:
1. FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
 2. GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
 3. INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
 4. SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
 5. IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
 6. REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



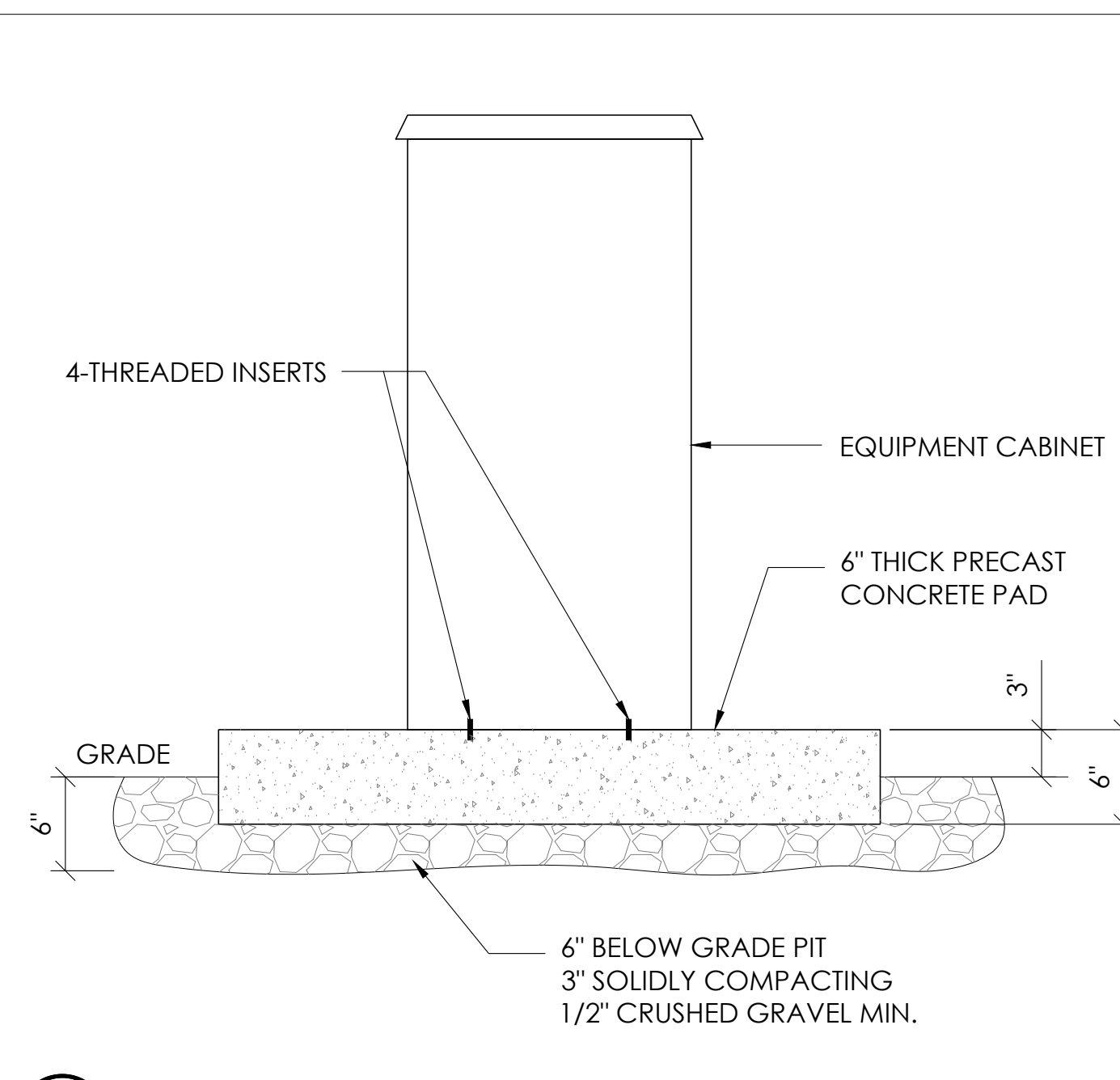
FILTER FABRIC FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO MITIGATE THE EFFECTS OF EROSION, AND REMOVED UPON COMPLETION OF THE PROJECT.

1 EROSION CONTROL FENCING
N.T.S.

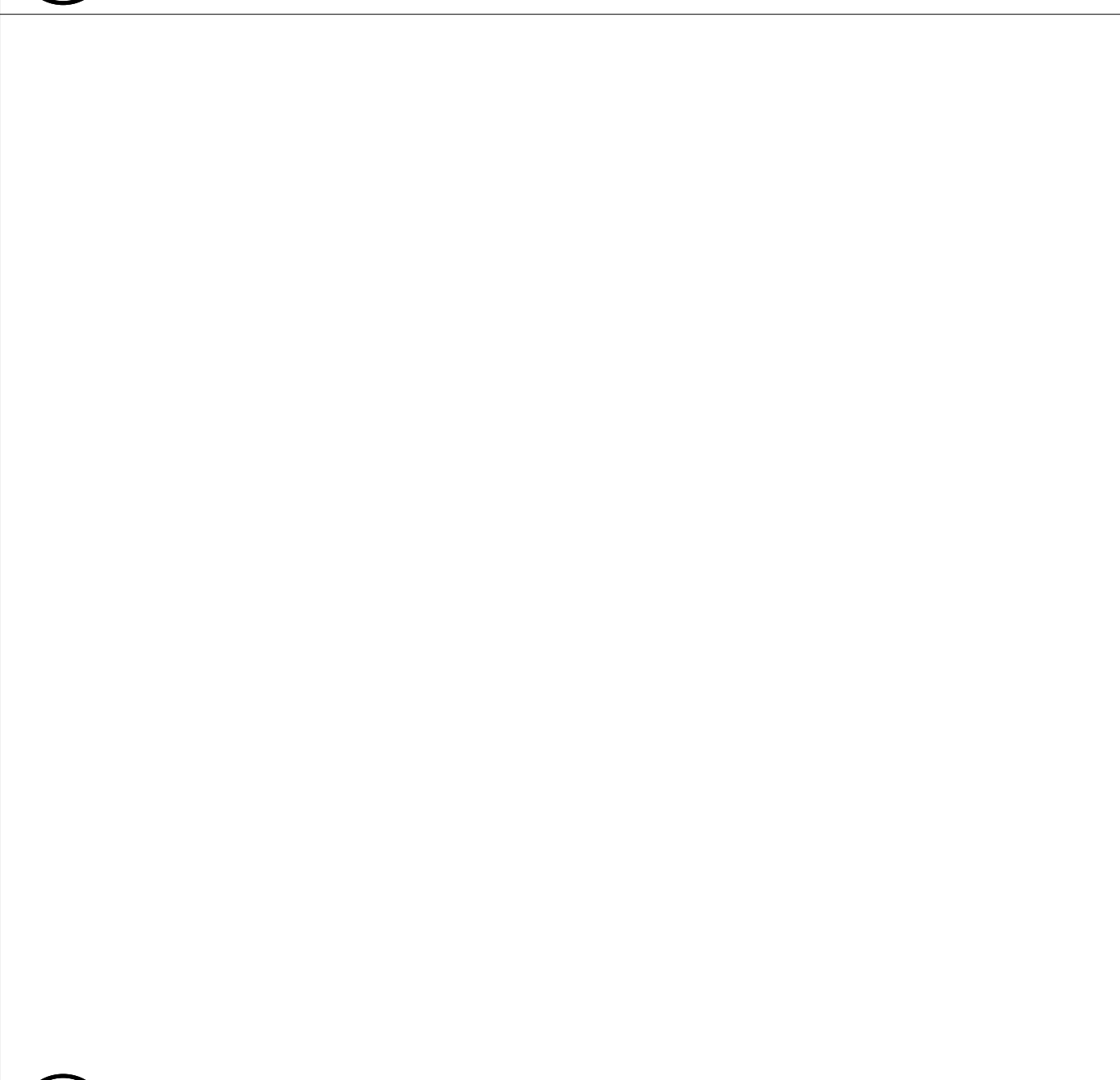


- 1 UNDISTURBED GROUND
- 2 COMPACTED GRAVEL (6" BELOW GRADE)
- 3 CONCRETE PAD (6" THICK)
- 4 1/2" - 4 MOUNTING STUDS FOR THREADED INSERTS
- 5 OPEN AREA FOR UTILITY SWEEPS (OPTIONAL)

11 FOUNDATION BASE FOR PN4
N.T.S.

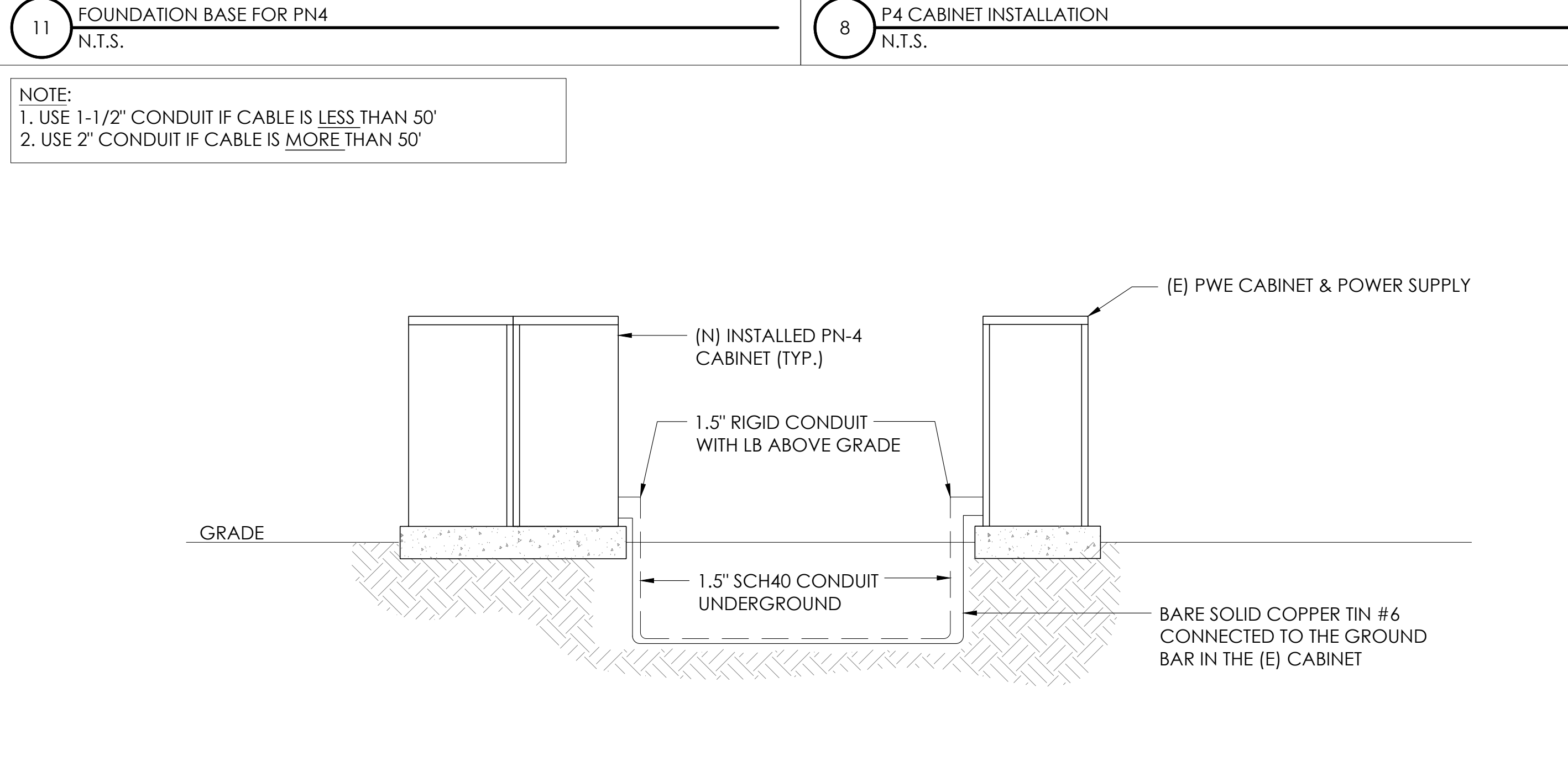


8 P4 CABINET INSTALLATION
N.T.S.



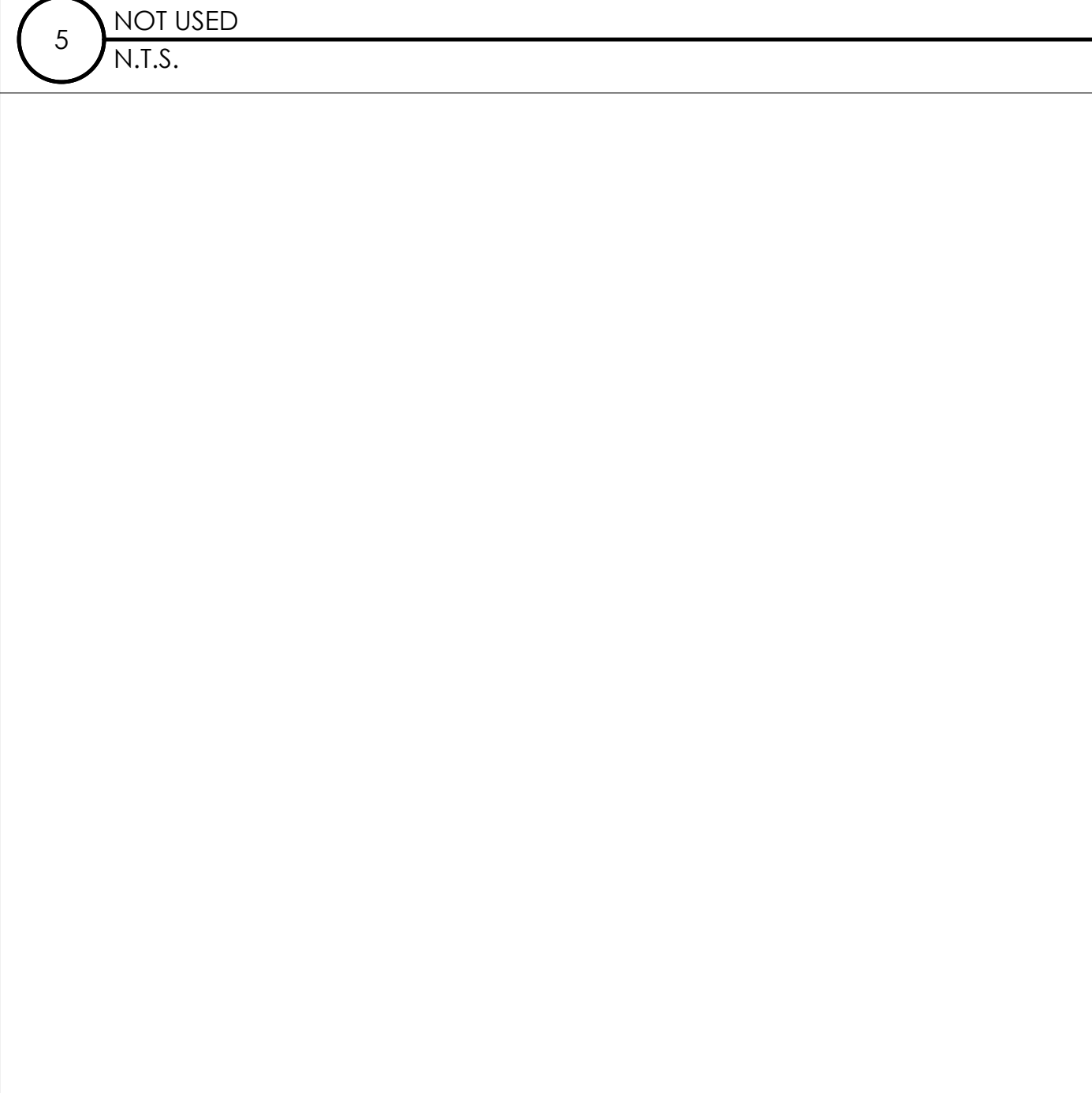
NOTE: ALIGN FIBER ROLL ALONG CONTOURS

2 WEIGHTED COIR LOGS
N.T.S.



- NOTE:
1. USE 1-1/2" CONDUIT IF CABLE IS LESS THAN 50'
 2. USE 2" CONDUIT IF CABLE IS MORE THAN 50'

12 CONDUIT TO CABINET INSTALLATION
N.T.S.



- SOIL AND TREE PROTECTION
1. PLACING ANY MATERIAL—TEMPORARY OR OTHERWISE—WITHIN PROTECTIVE FENCING OR ENTERING PROTECTION AREAS MAY RESULT IN UP TO A \$5,000 PENALTY PER VIOLATION PER DAY. (SECT 65.2 I AN J)
 2. THESE CONDITIONS ARE PART OF ALL PROJECTS AS CONDITIONS OF ATTACHMENTS R, S, AND Q.
 3. METAL OR WIRE MESH FENCING MAY BE REQUIRED.

3 VEGETATION PROTECTION FENCING
N.T.S.

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CHATSORTH CA, 91311

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3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058756

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/27/23	SURVEY SHEET ADD	MZ

SEAL

SITE INFORMATION

SITE ID:
ST137A_A

SITE ADDRESS:
980 TAHOE ISLAND,
SOUTH LAKE TAHOE, CA
96150

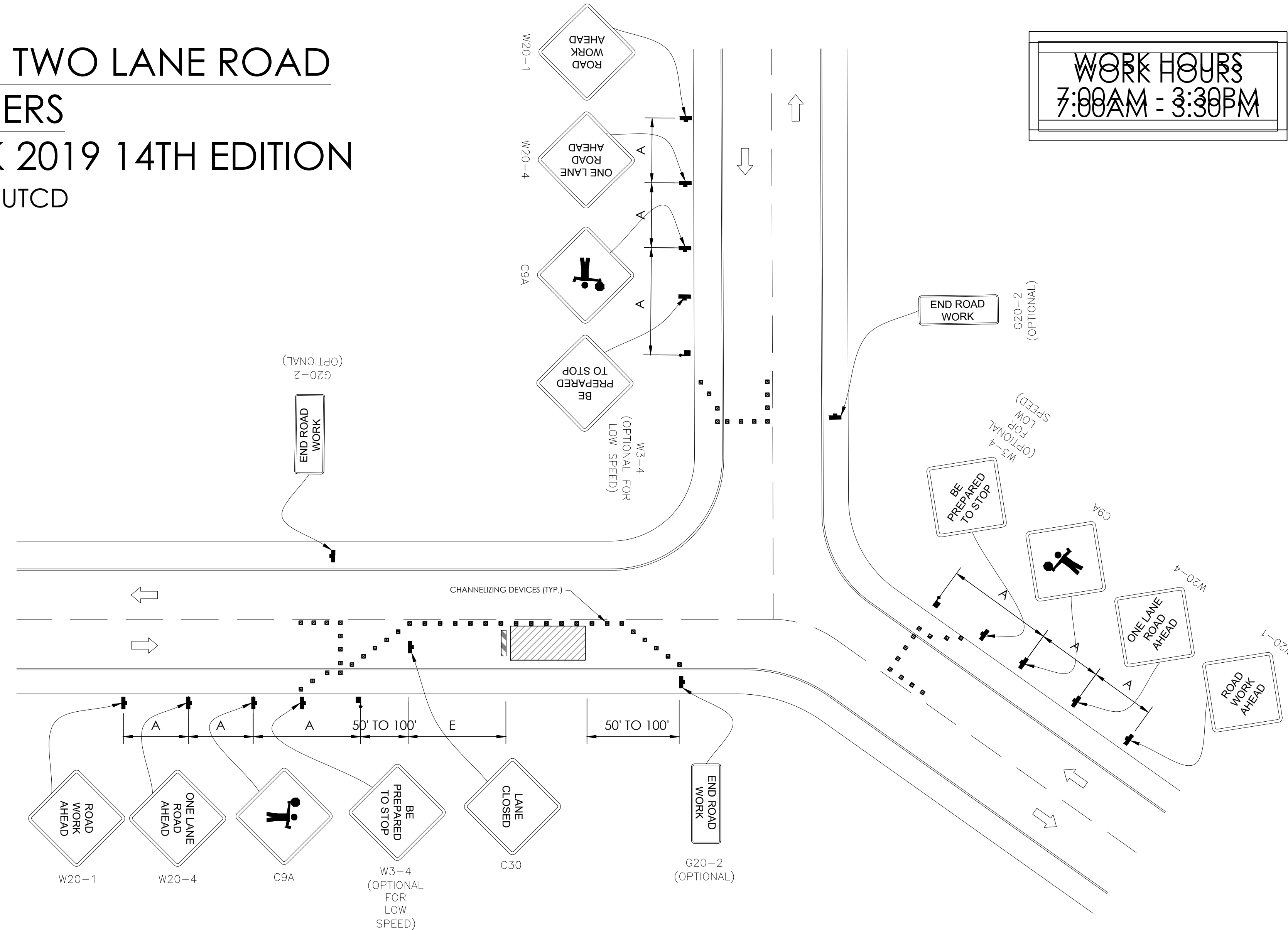
SHEET TITLE:

DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD INTERSECTION USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD



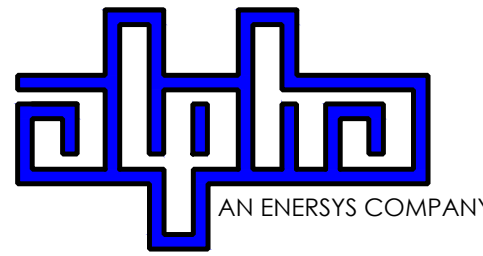
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14th EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E"			MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					BUFFER SPACE (4-A)	AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B)	(0%) (-3%) (-6%)			
MPH	FT	ft	ft	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)		25	50	12	
30	250	180	90	60	(200) (205) (215)		30	60	15	
35	250	245	125	85	(250) (260) (275)		35	70	17	
40	250	320	160	110	(305) (315) (335)		40	80	20	
45	350	540	270	180	(360) (380) (400)		45	90	22	
50	350	600	300	200	(425) (450) (475)		50	100	25	
55	500	660	330	220	(495) (520) (555)		50	100	25	
60	500	720	360	240	(570) (600) (640)		50	100	25	
65	500	780	390	260	(645) (685) (730)		50	100	25	
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS									
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)									
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT									
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS									
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP									
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT									
6	** TABLE 6F-101 (CA)									



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



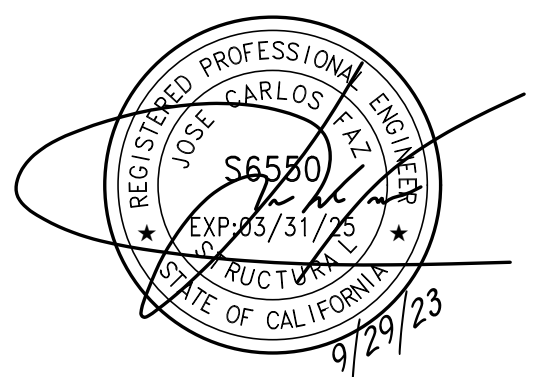
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058756

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
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SEAL



SITE INFORMATION

**SITE ID:
ST137A_A**

SITE ADDRESS:
980 TAHOE ISLAND,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST122D_A

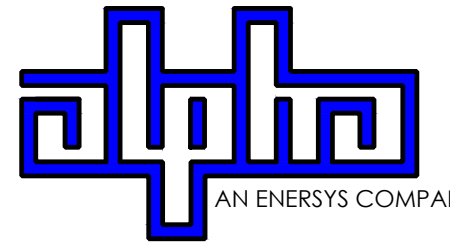
SITE ADDRESS: 1053 LODI AVE, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

Table with 2 columns: Field Name and Value. Fields include SITE ADDRESS, LATITUDE/LONGITUDE, JURISDICTION, POWER PROVIDER, STRUCTURE TYPE, OUTPUT VOLTAGE SPEC., INPUT VOLTAGE SPEC., AMP DRAW, HYDRAULIC RELATED AREA, COVERAGE, and CUT/FILL VOLUME.



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069689

ISSUE STATUS

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Shows revision history for the drawing.

2B SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.

DRAWING INDEX

Table with 2 columns: SHEET and DESCRIPTION. Lists sheets T1, A1, D1, D2, and TC1.

PROJECT TEAM

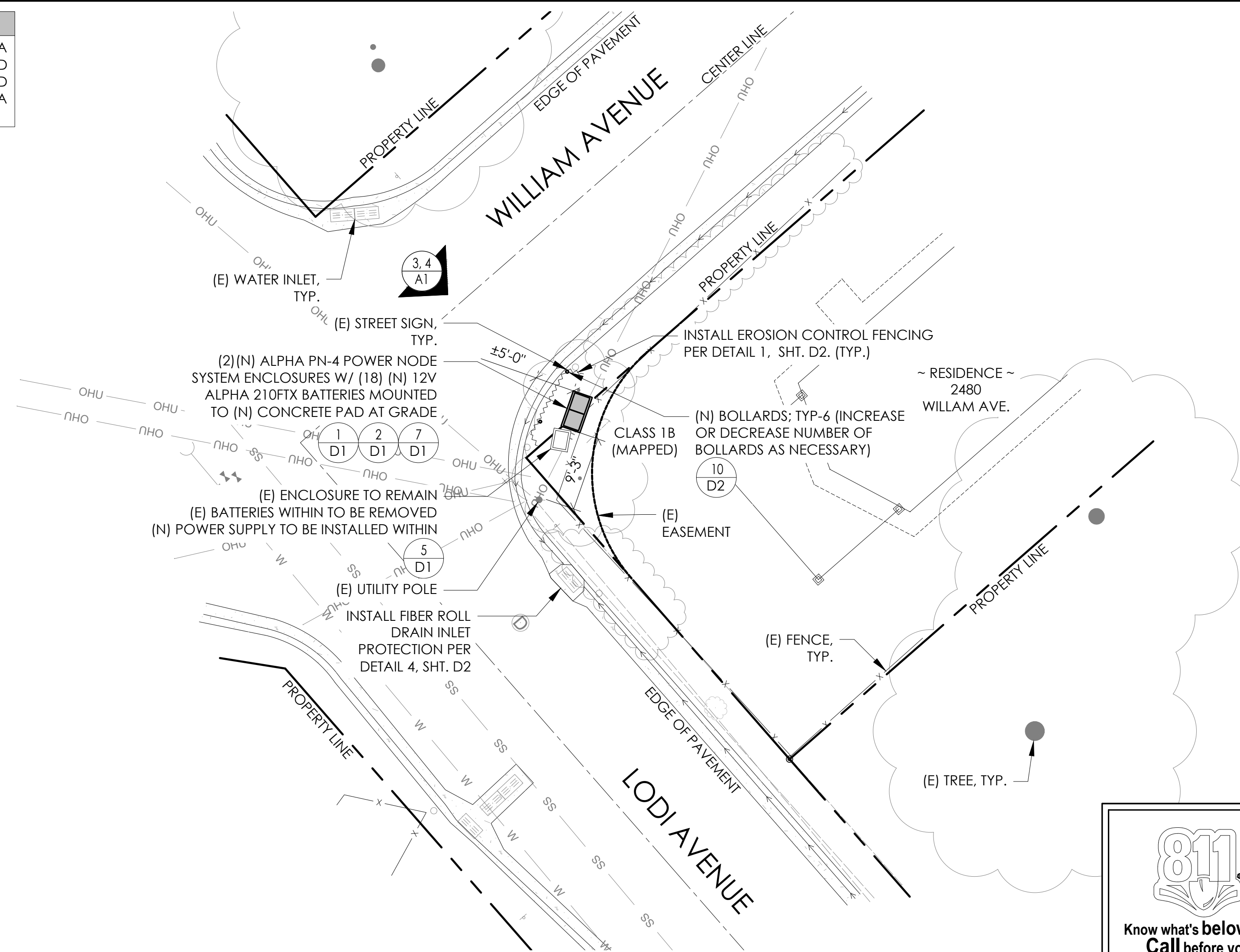
Table listing project team members including OWNER, ENGINEER/ARCHITECT, APPLICANT, and their contact information.

CODE COMPLIANCE

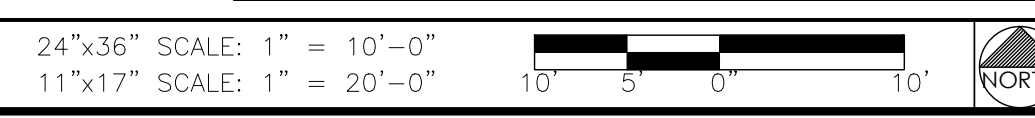
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

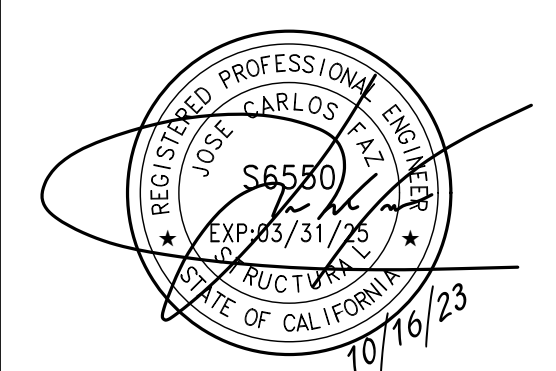


811 logo with text: TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811. TOLL FREE: 1-800-227-2600 OR www.usanorth811.org. CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.



SITE PLAN

SEAL



SITE INFORMATION

SITE ID: ST122D_A

SITE ADDRESS: 1053 LODI AVE, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

T1



VICINITY MAP
N.T.S.



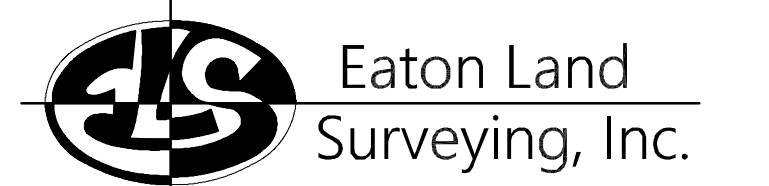
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/27/23	SUBMITTAL



PROJECT INFORMATION:
ST128A
1808 THIRTEENTH ST.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/28/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

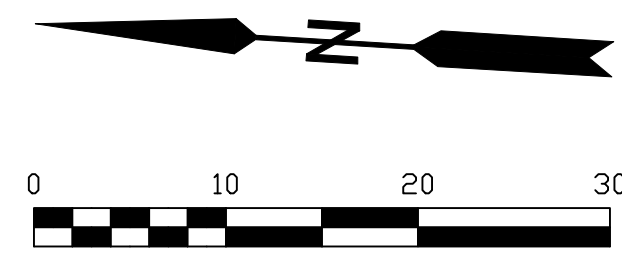
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

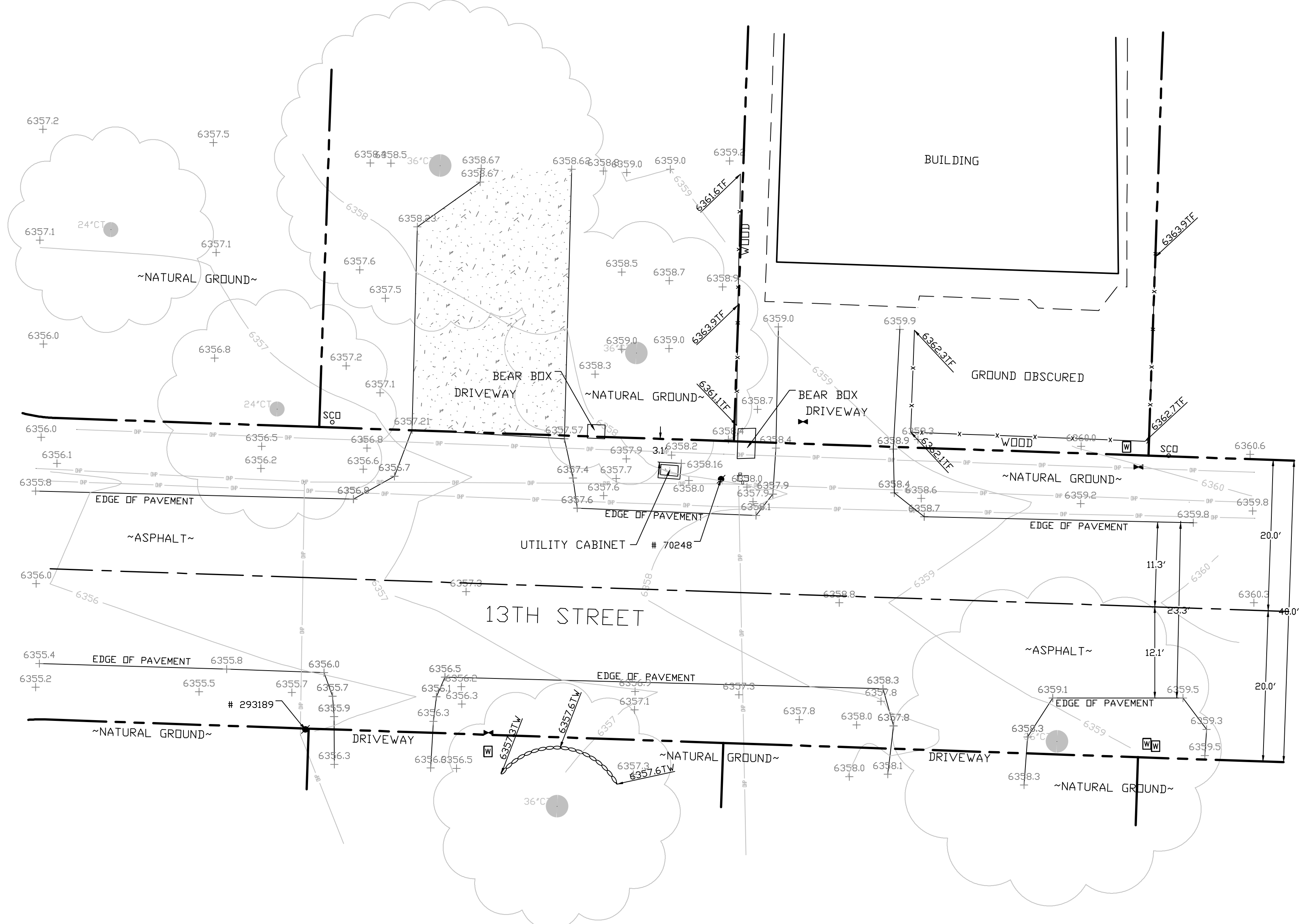
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 57 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 023-623-009-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032330 DATED 08/31/2023;



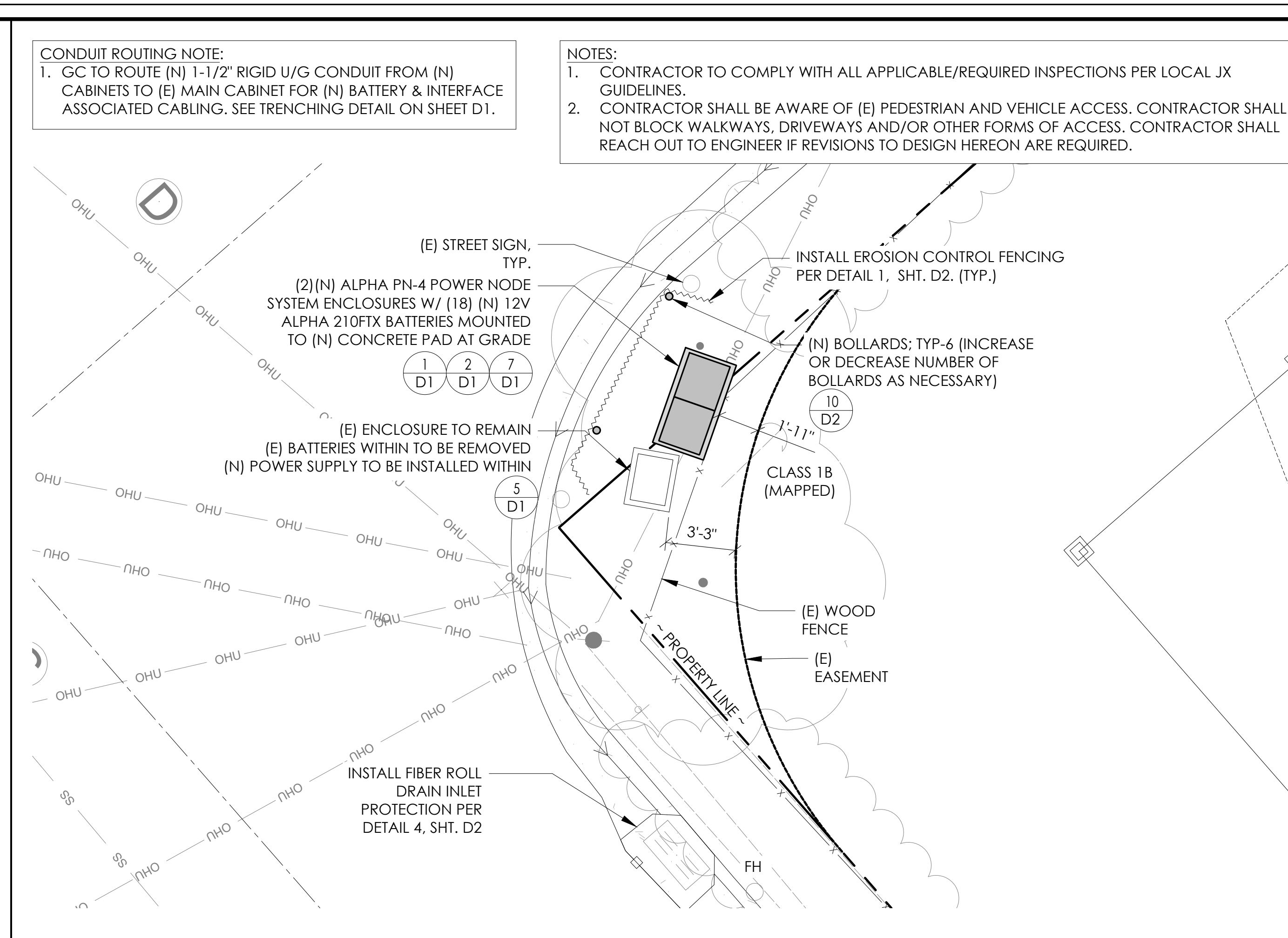
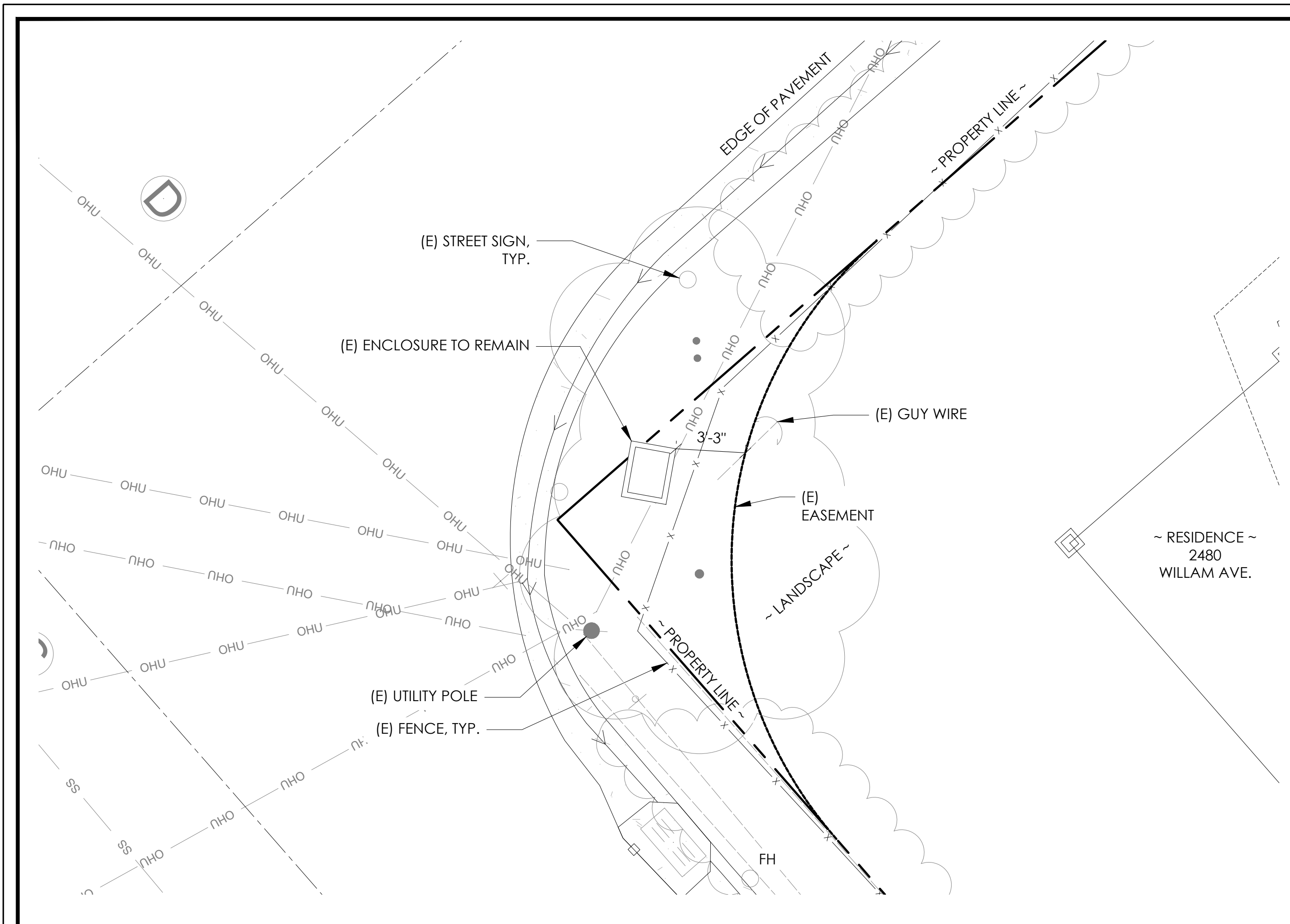
LEGEND

- These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



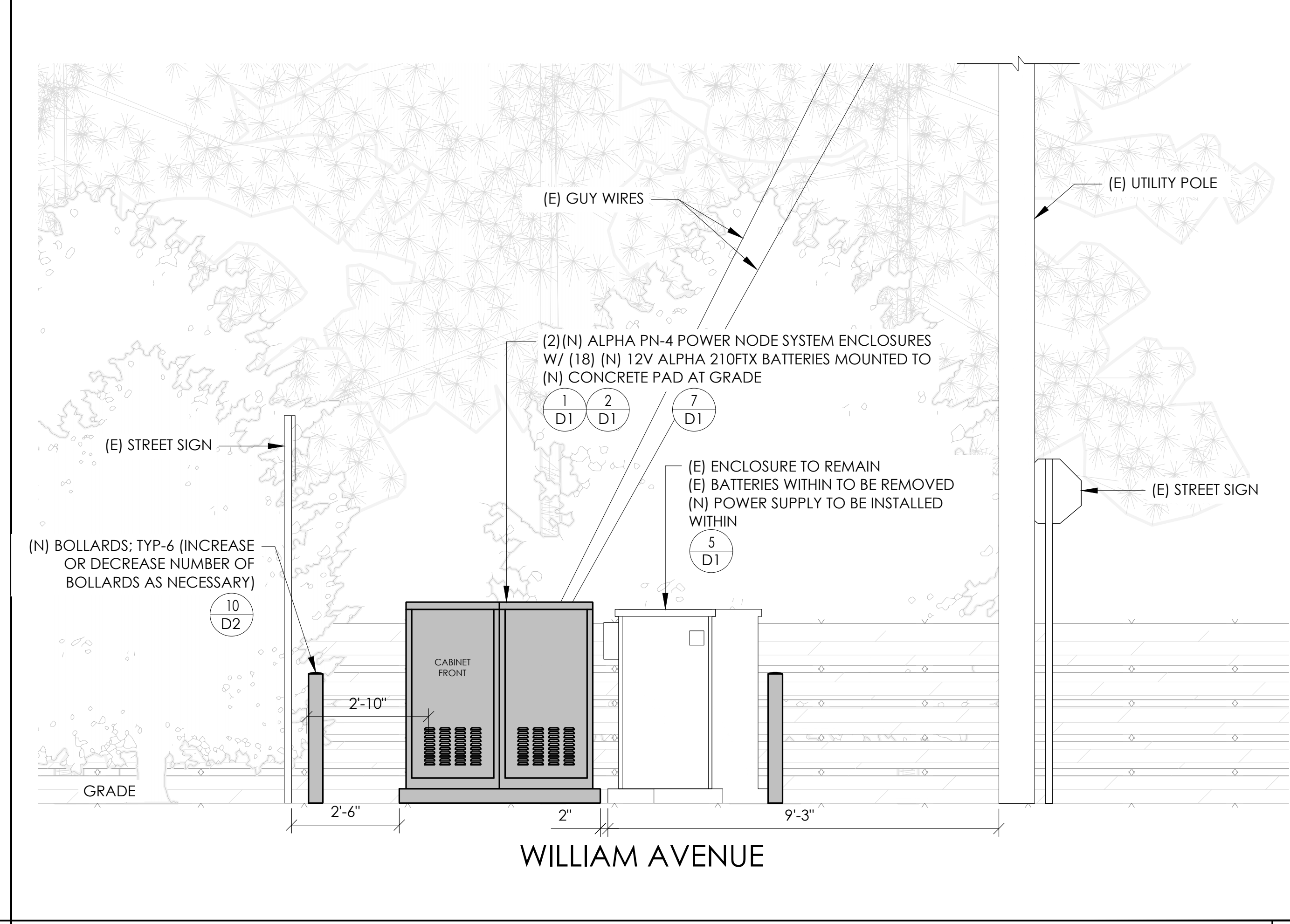
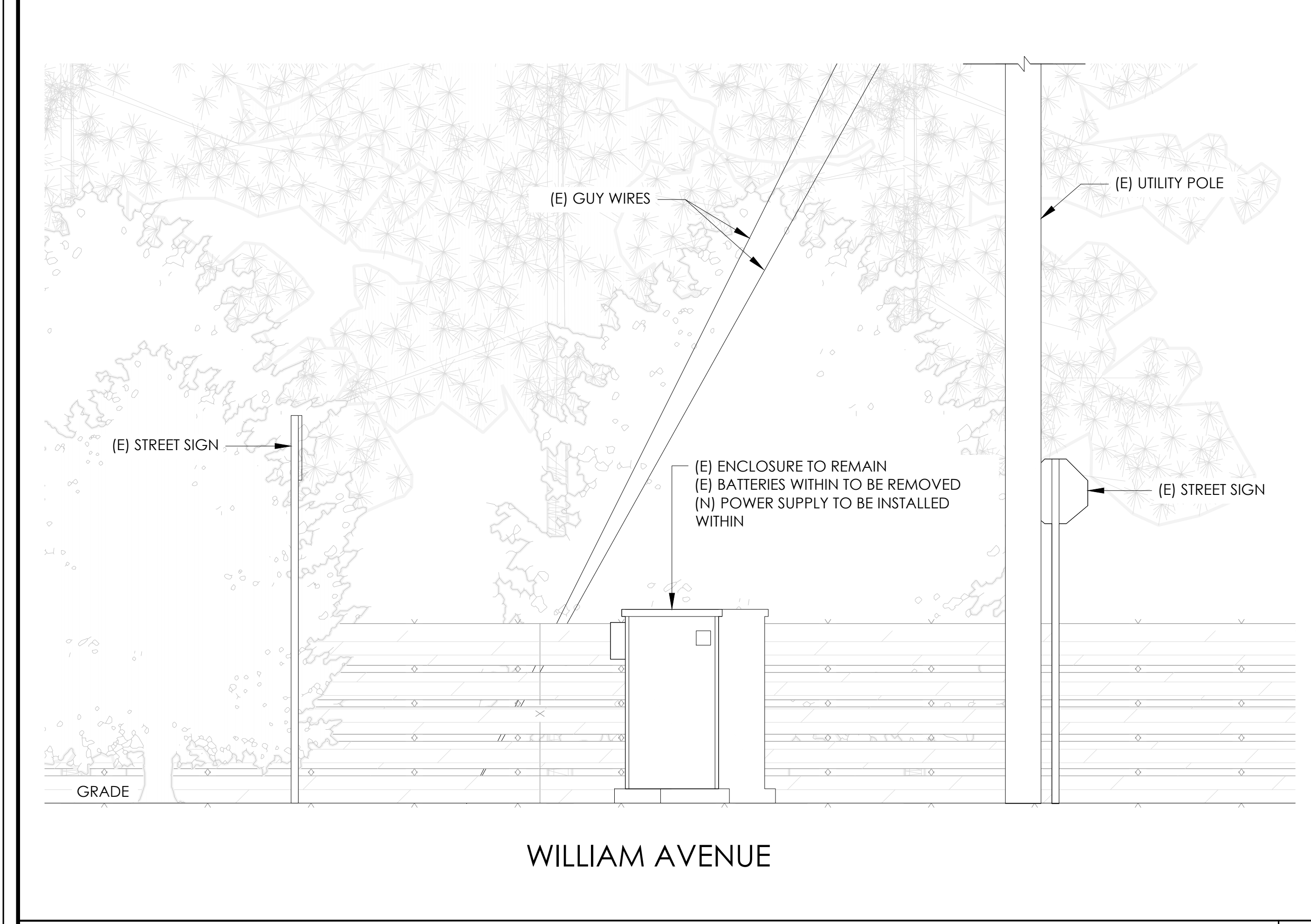
SITE SURVEY
SCALE 1"=10'





EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" NORTH 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" NORTH 1

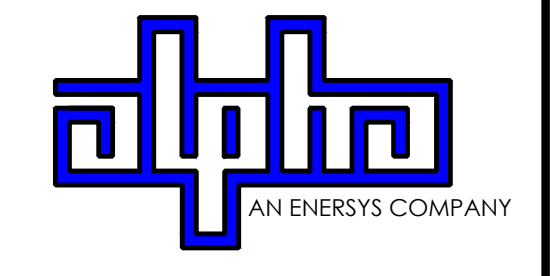


EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 3



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

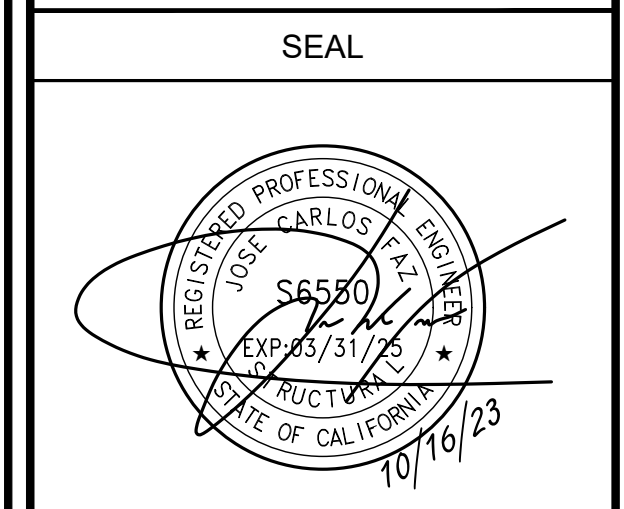


23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069689

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	RP
0	12/27/21	100% CD	BN
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/22	100% CD REV PER PPC#1	RD
4	10/06/23	SURVEY SHT / BOLLARD ADD	MZ

REV	DATE	DESCRIPTION	BY



SITE INFORMATION

SITE ID:
ST122D_A

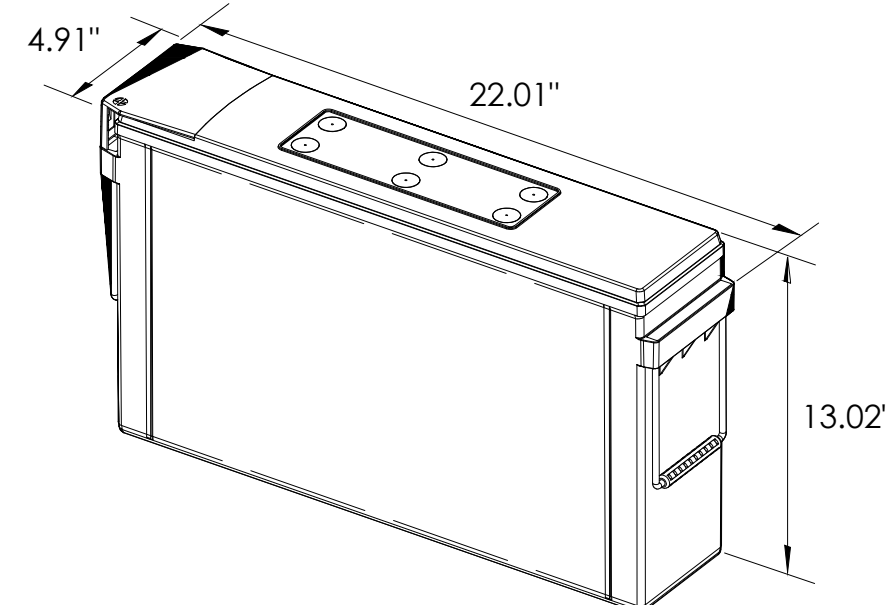
SITE ADDRESS:
1053 LODI AVE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA 210 FX BATTERY UNIT

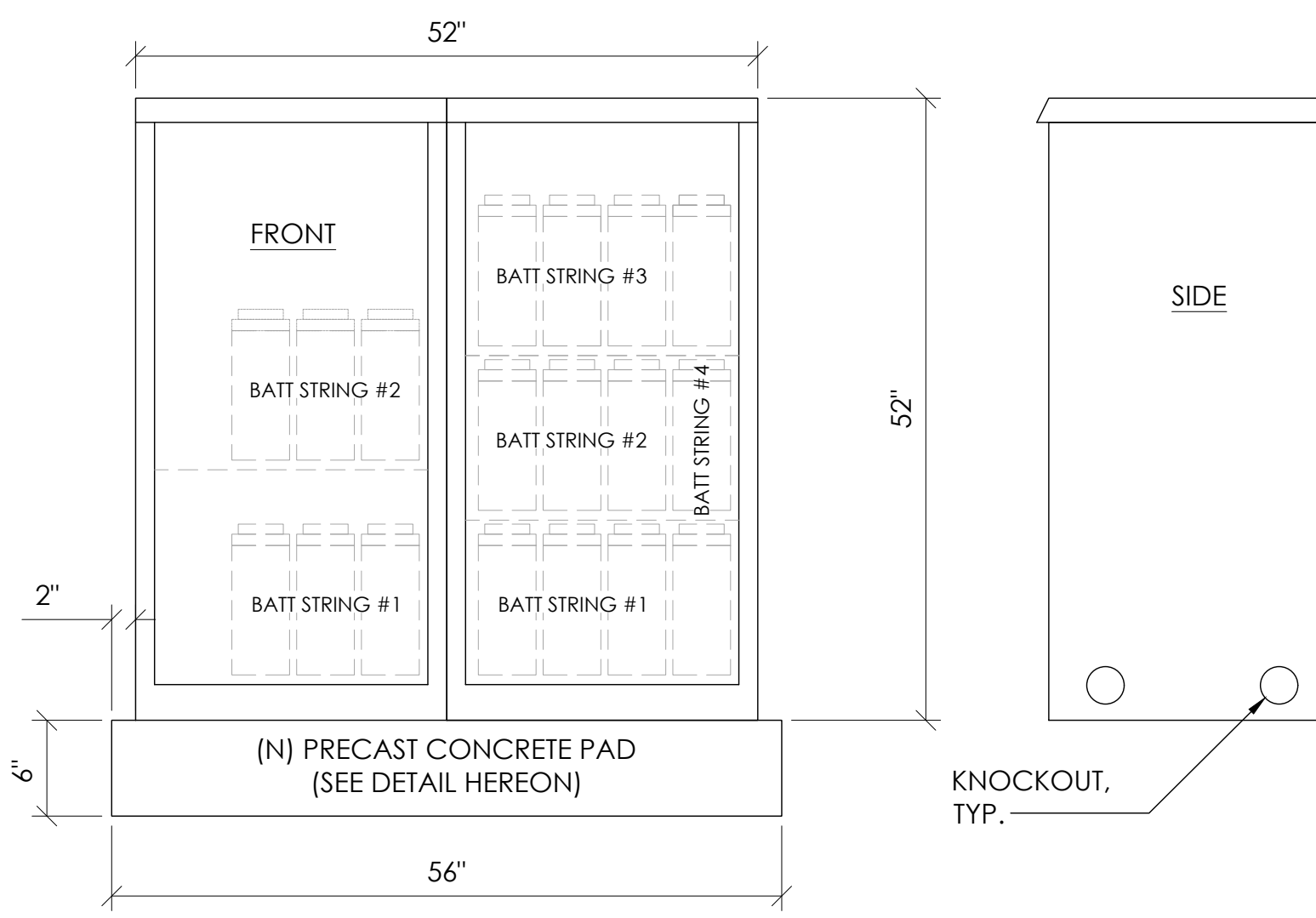


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

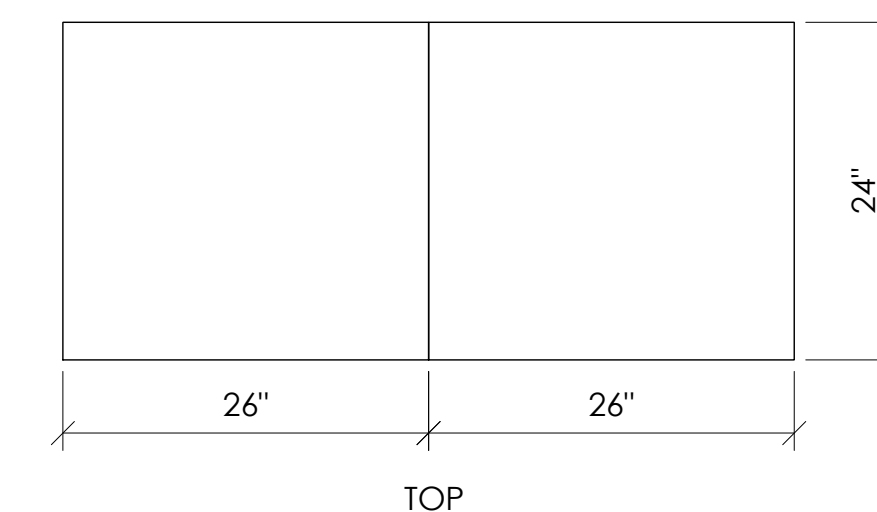
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

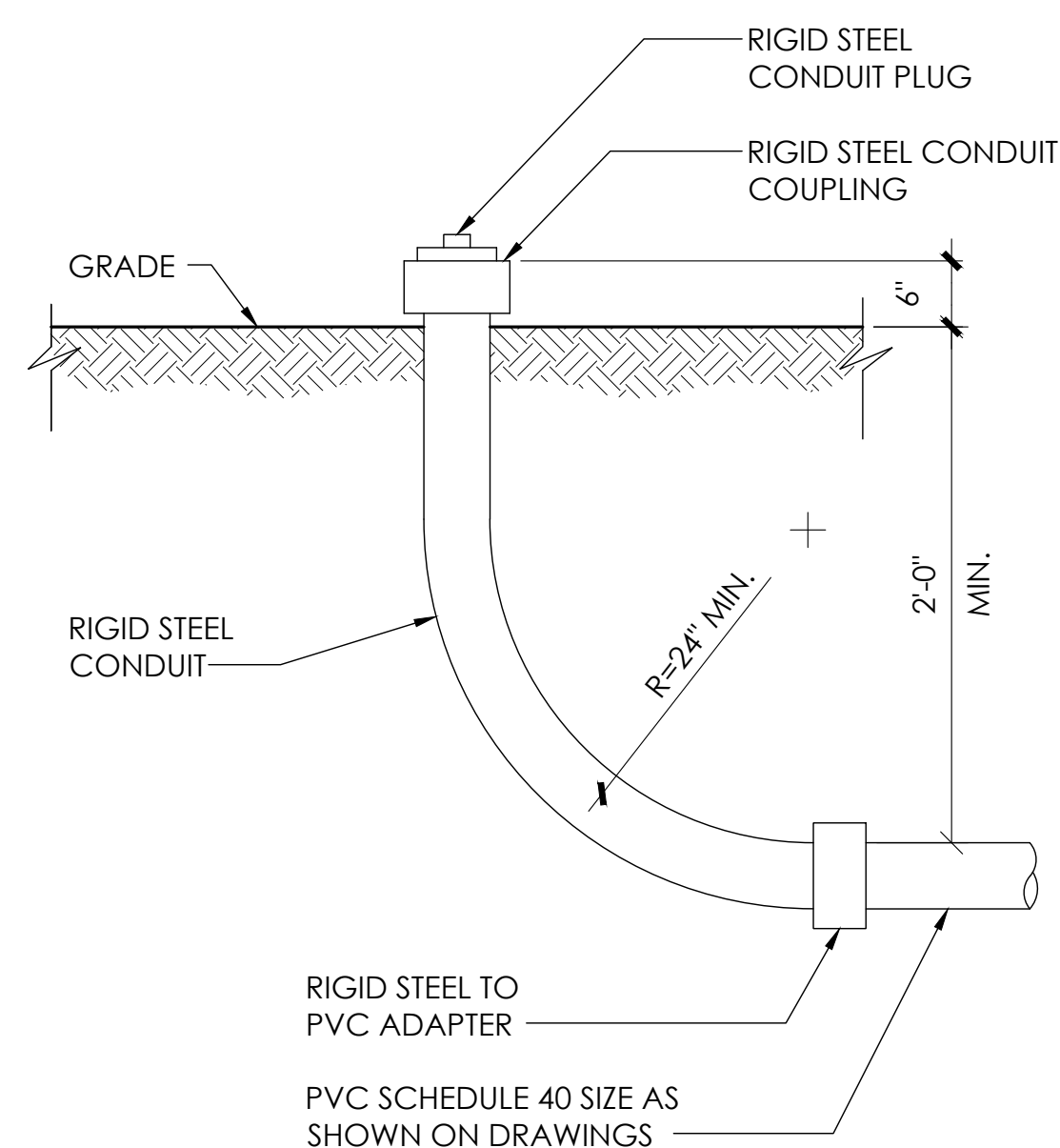


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	
CABINET #1:	(4) BATTERY STRINGS
CABINET #2:	(2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



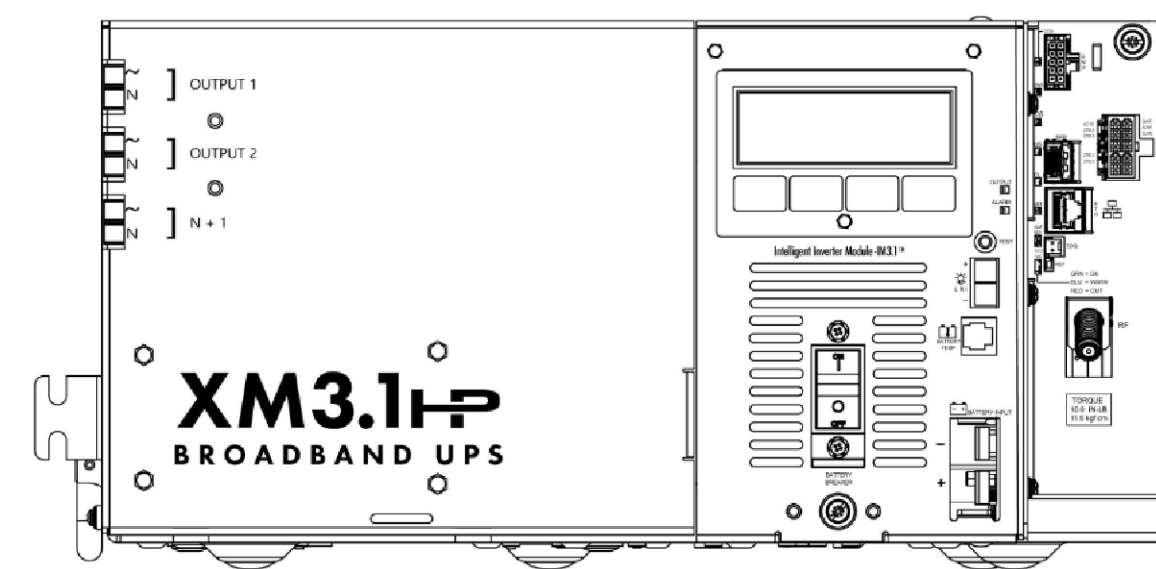
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

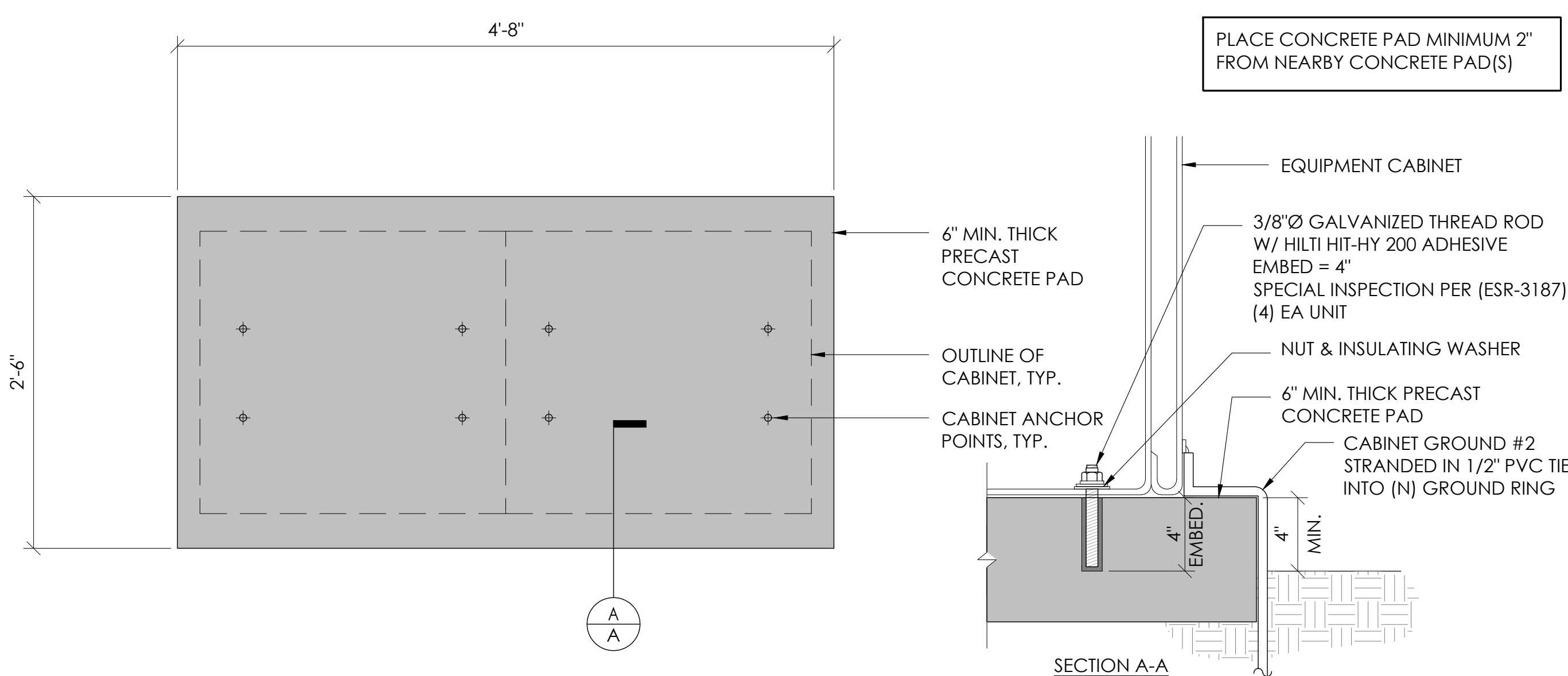
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

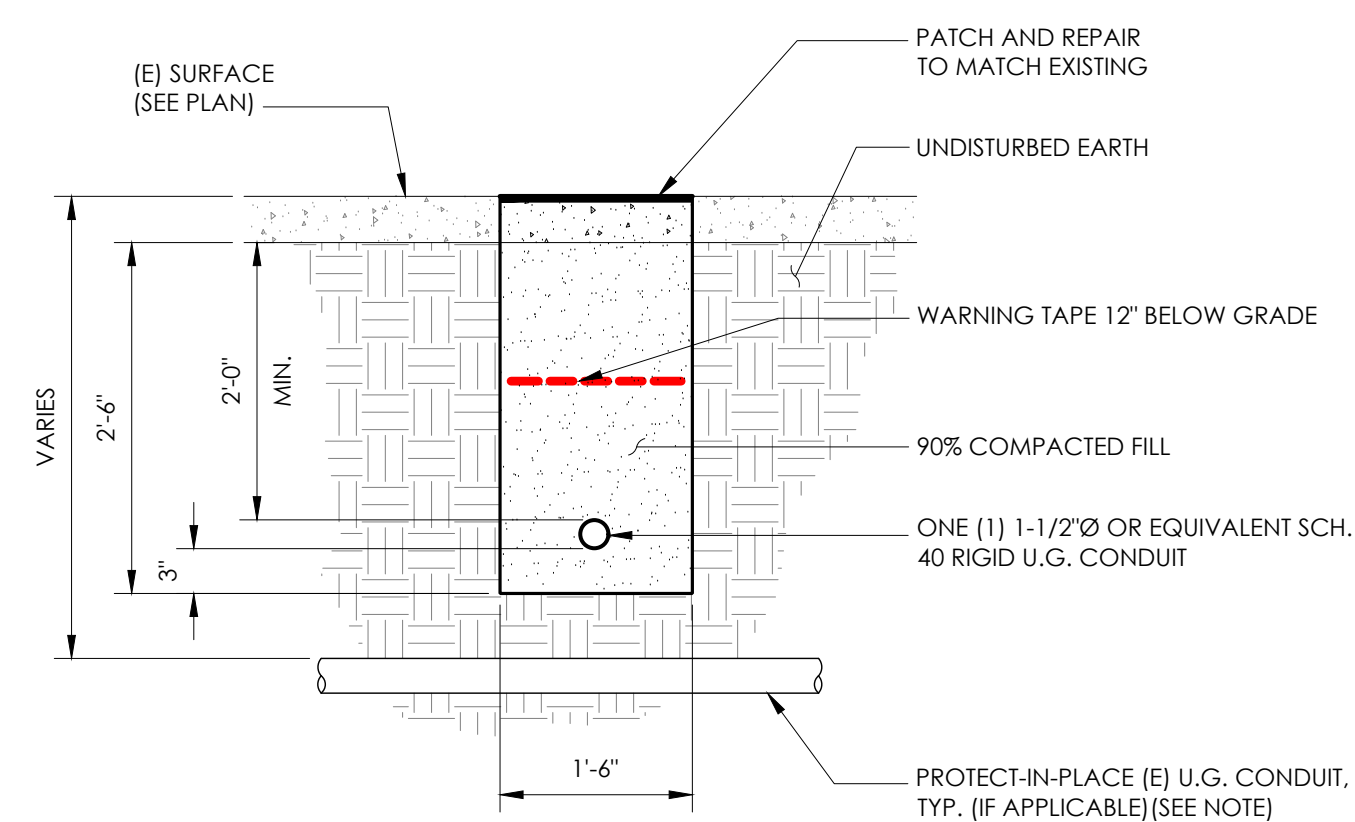


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

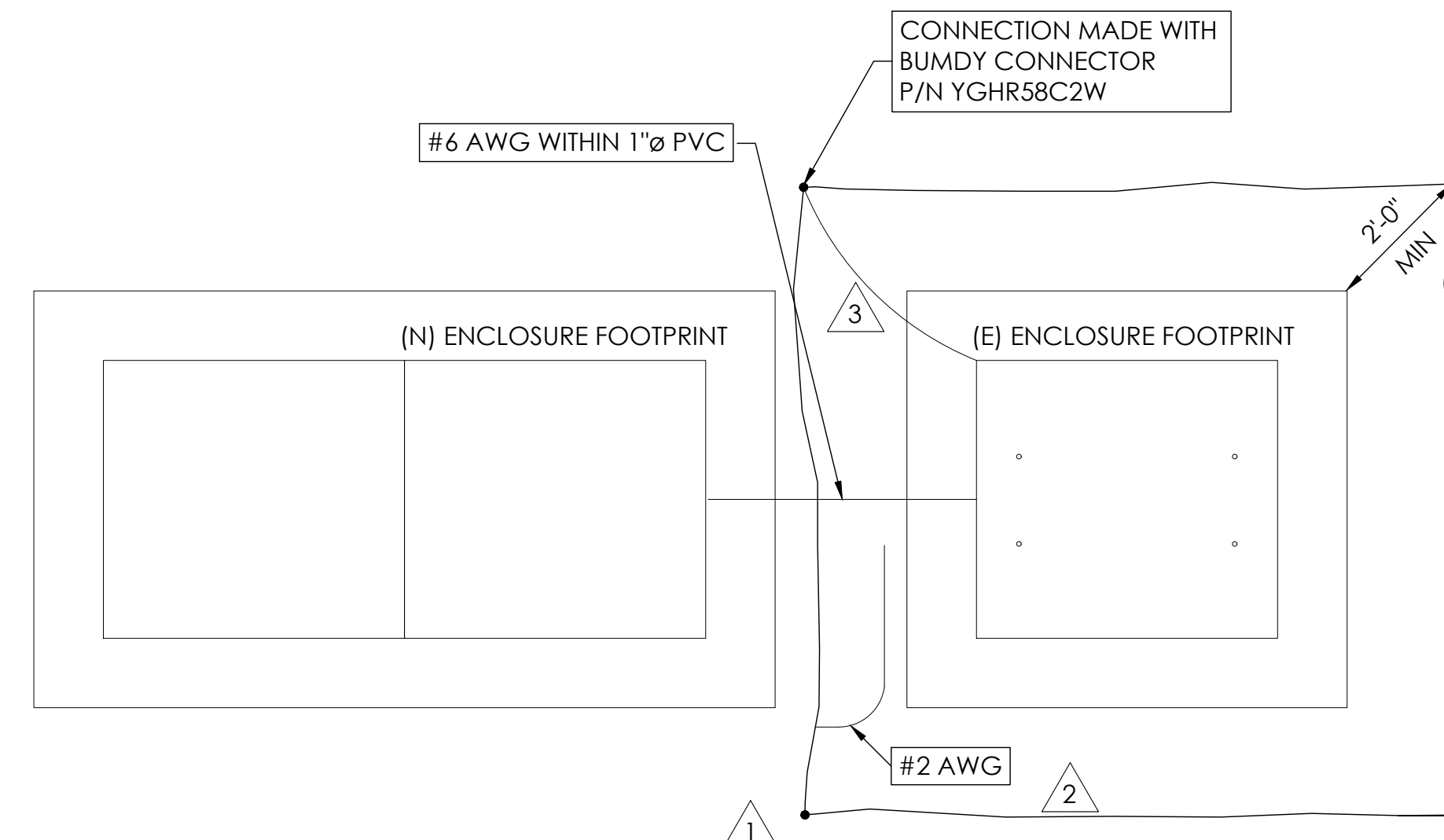
- LIGHTNING PROTECTION (OPTIONAL)**
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
 - #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
 - #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
 - WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)

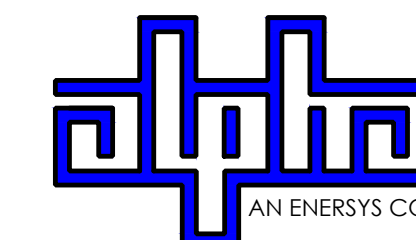
- #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND. INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



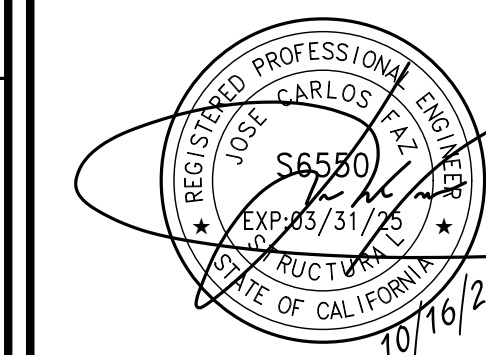
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069689

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	RP
0	12/27/21	100% CD	BN
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/22	100% CD REV PER PPC#1	RD
4	10/06/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

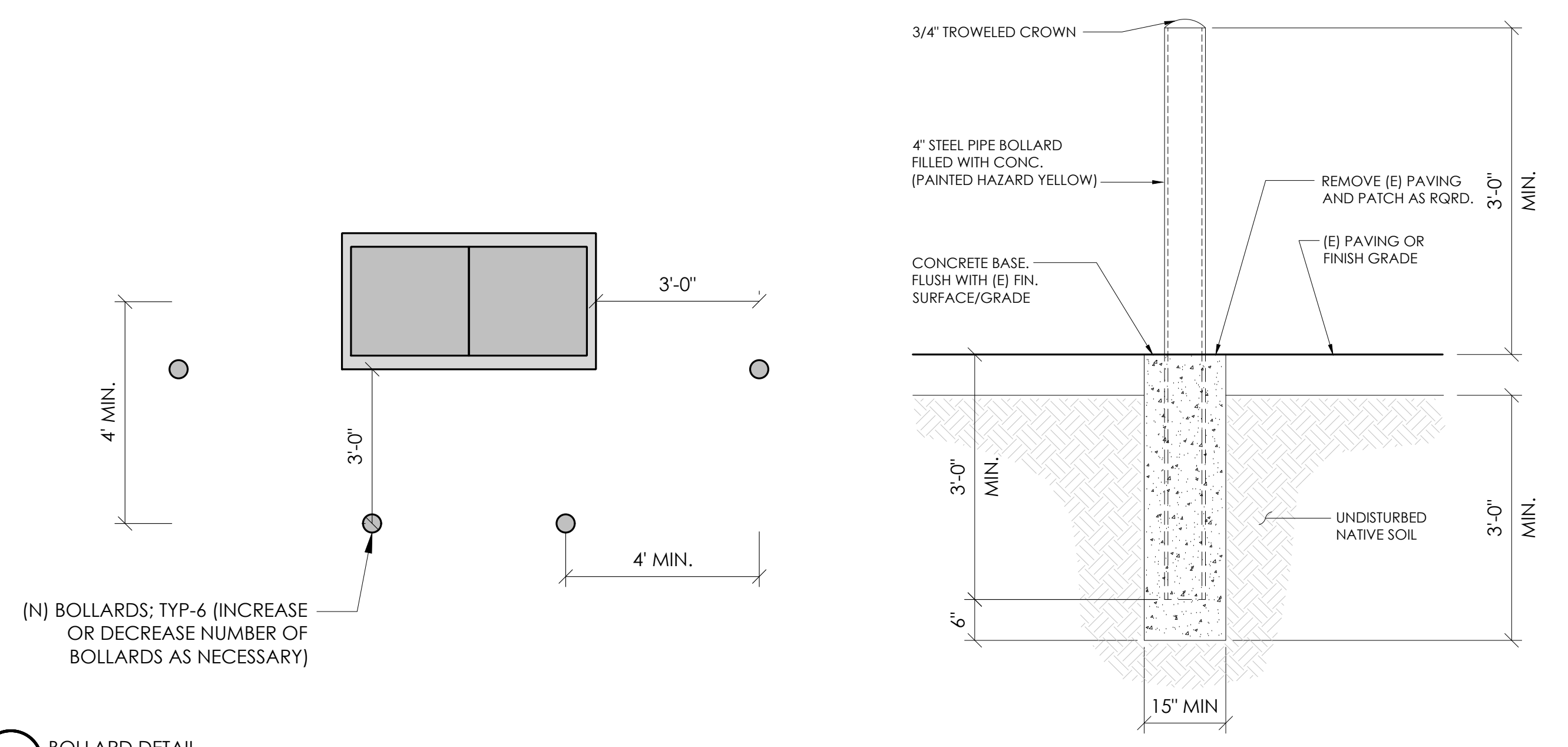
SITE ID:
ST122D_A

SITE ADDRESS:
1053 LODI AVE,
SOUTH LAKE TAHOE,
CA 96150

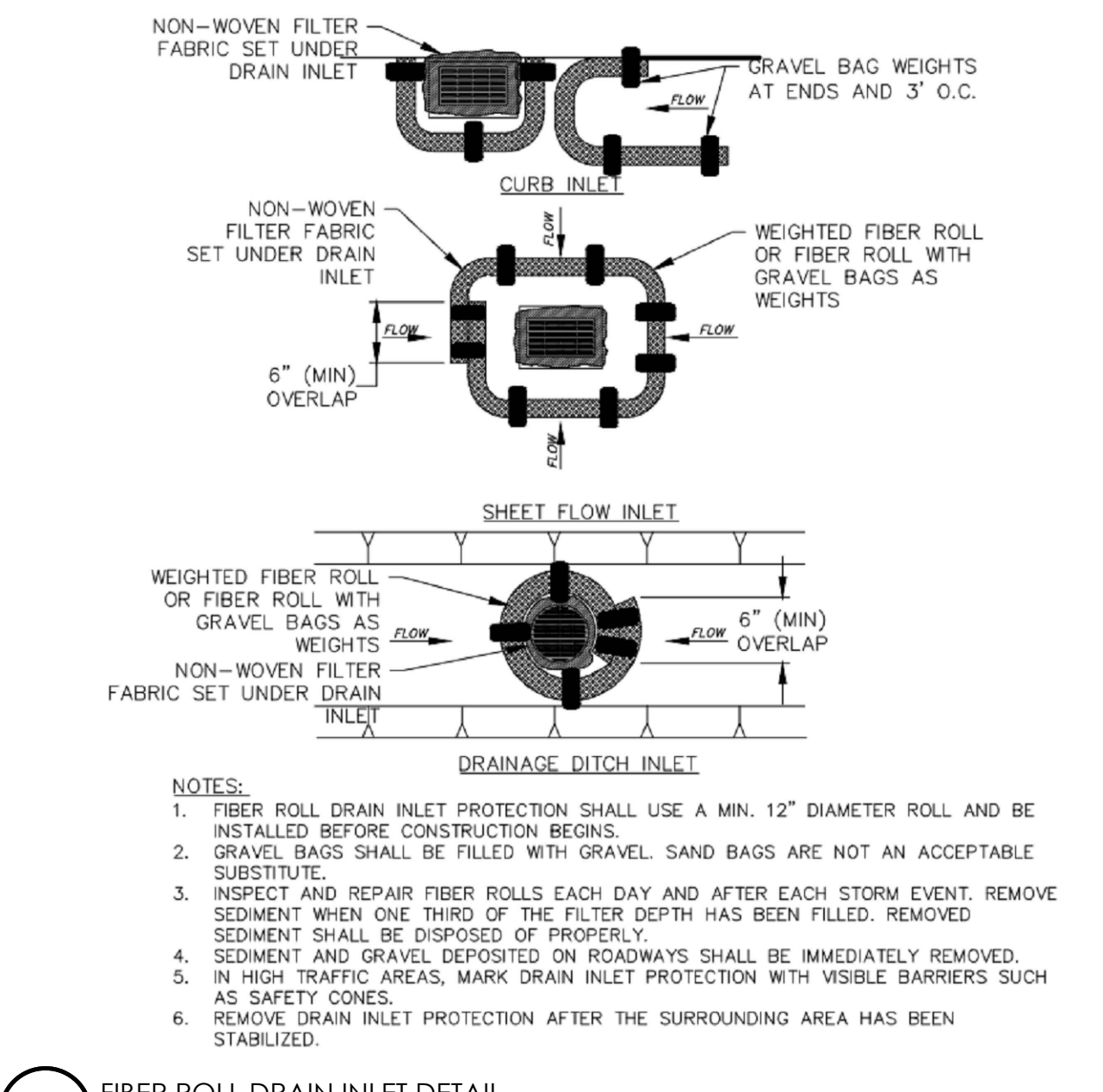
SHEET TITLE:

DETAILS

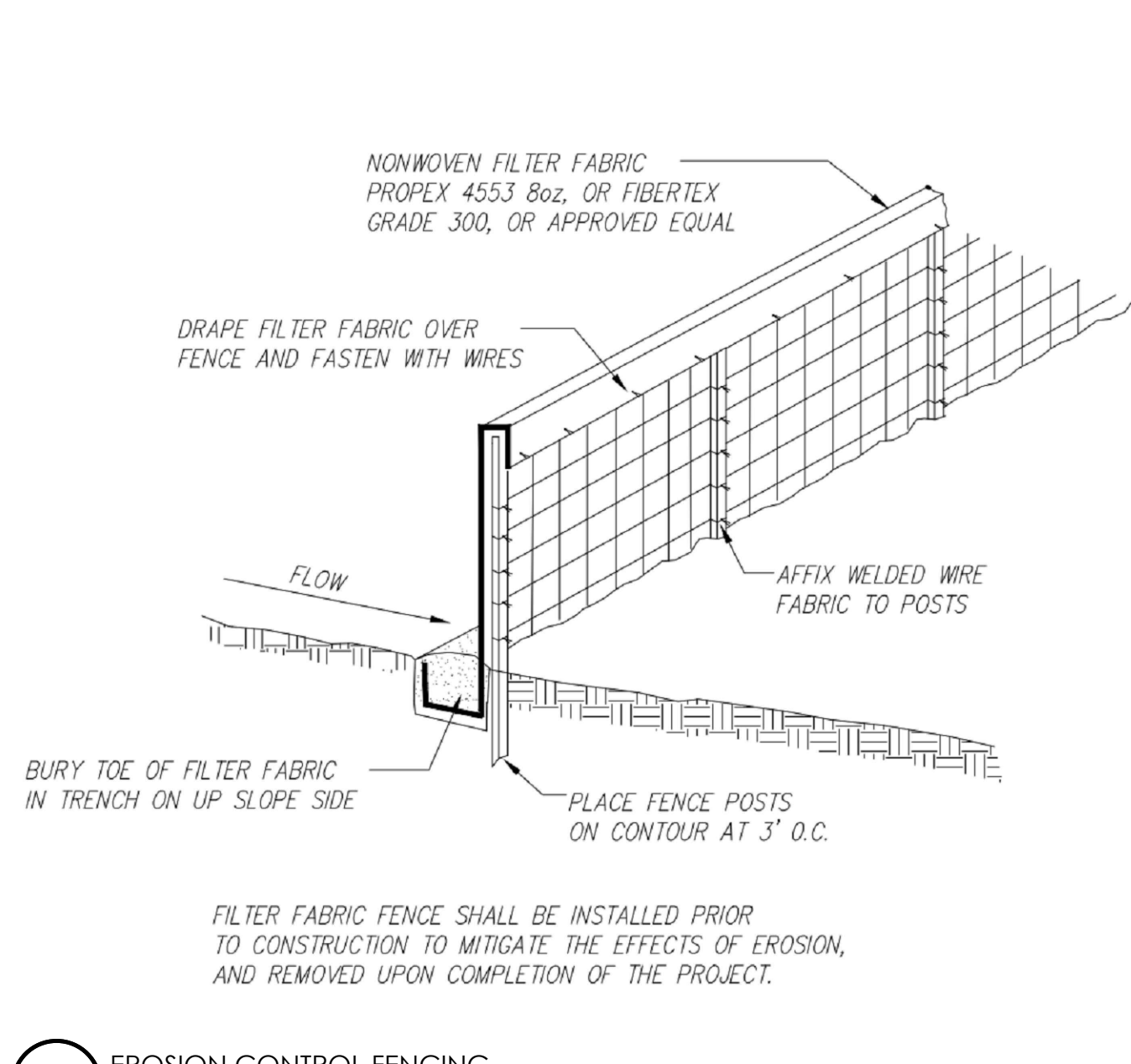
D1



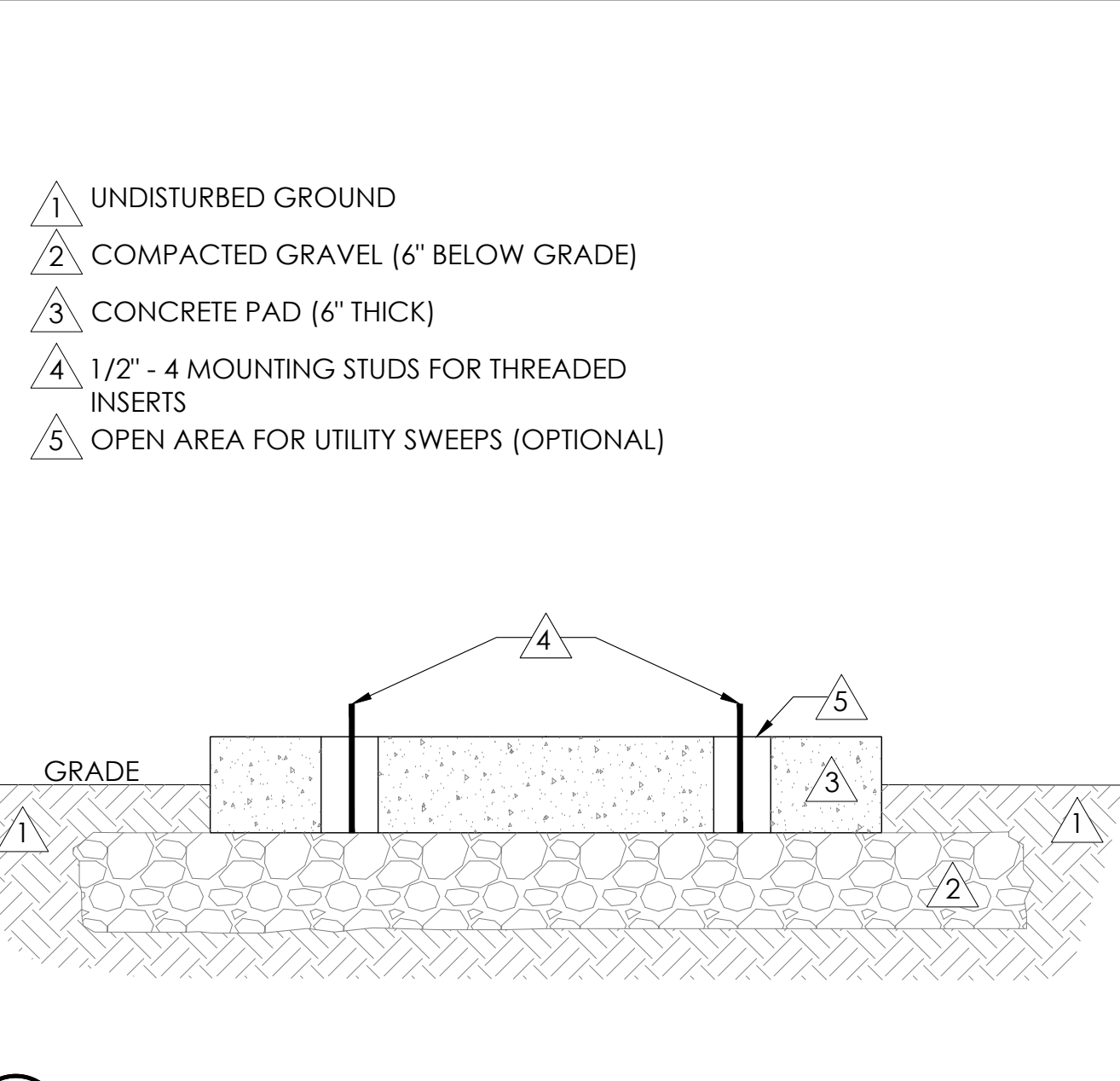
10 BOLLARD DETAIL
N.T.S.



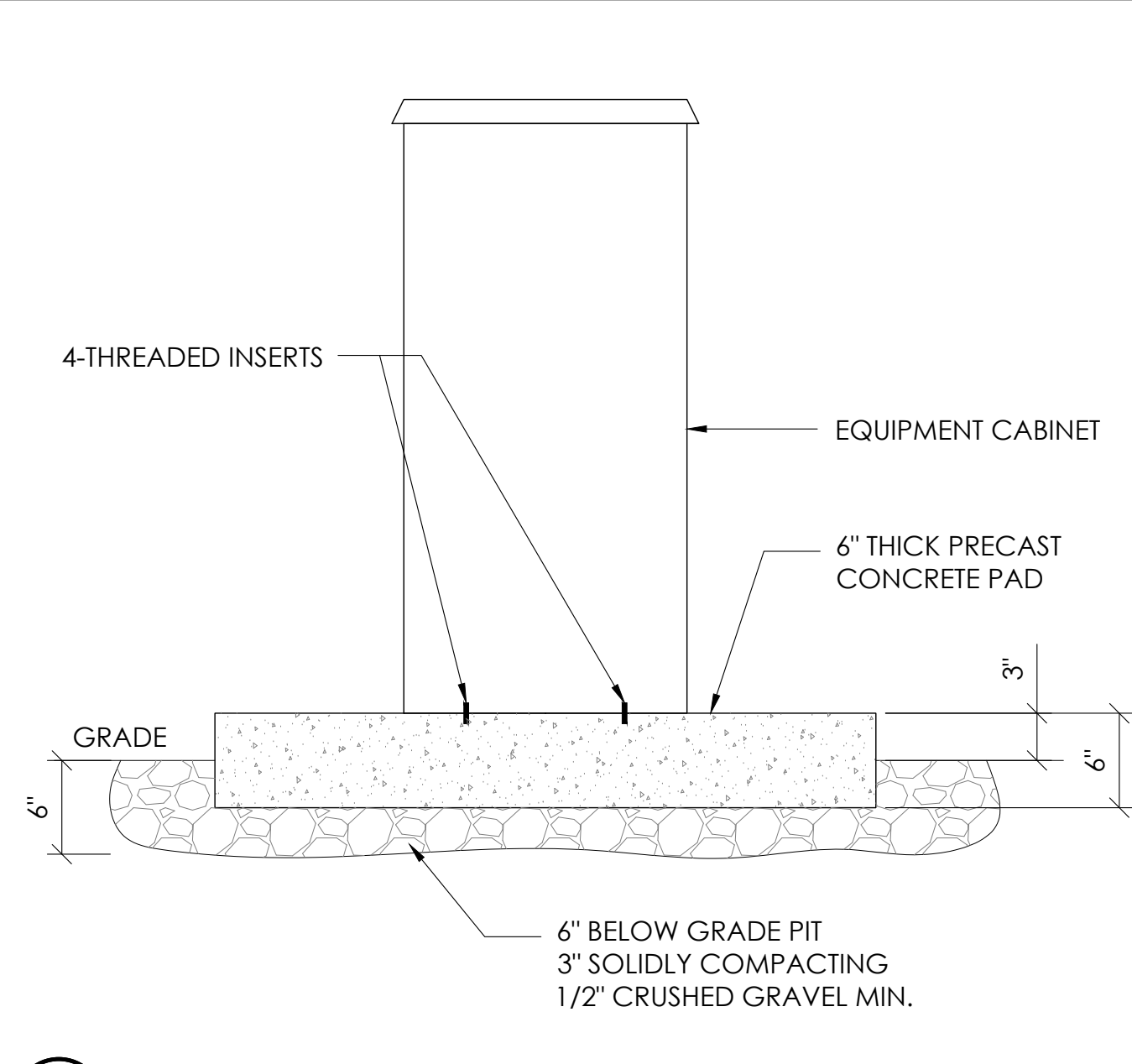
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



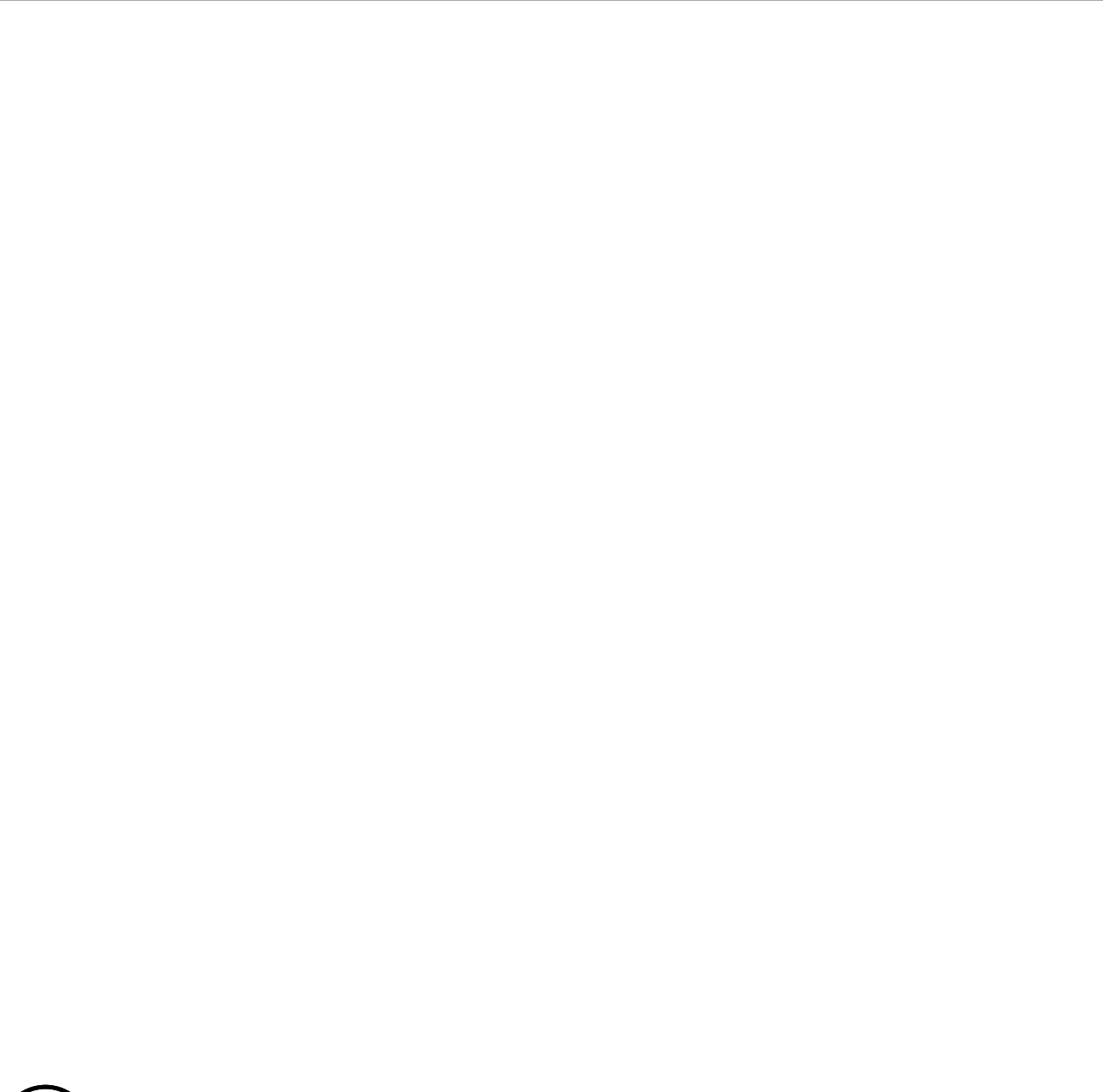
1 EROSION CONTROL FENCING
N.T.S.



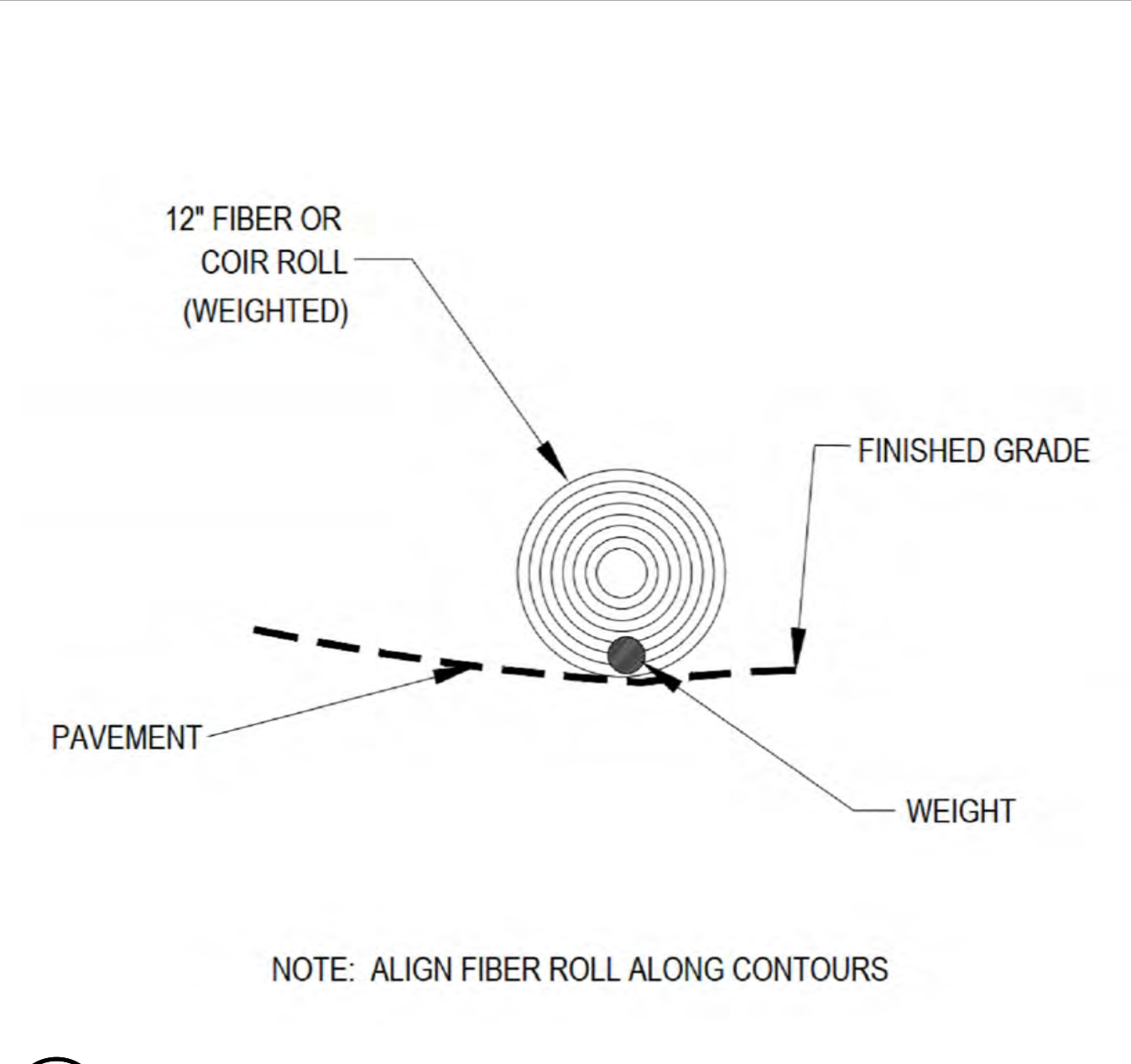
11 FOUNDATION BASE FOR PN4
N.T.S.



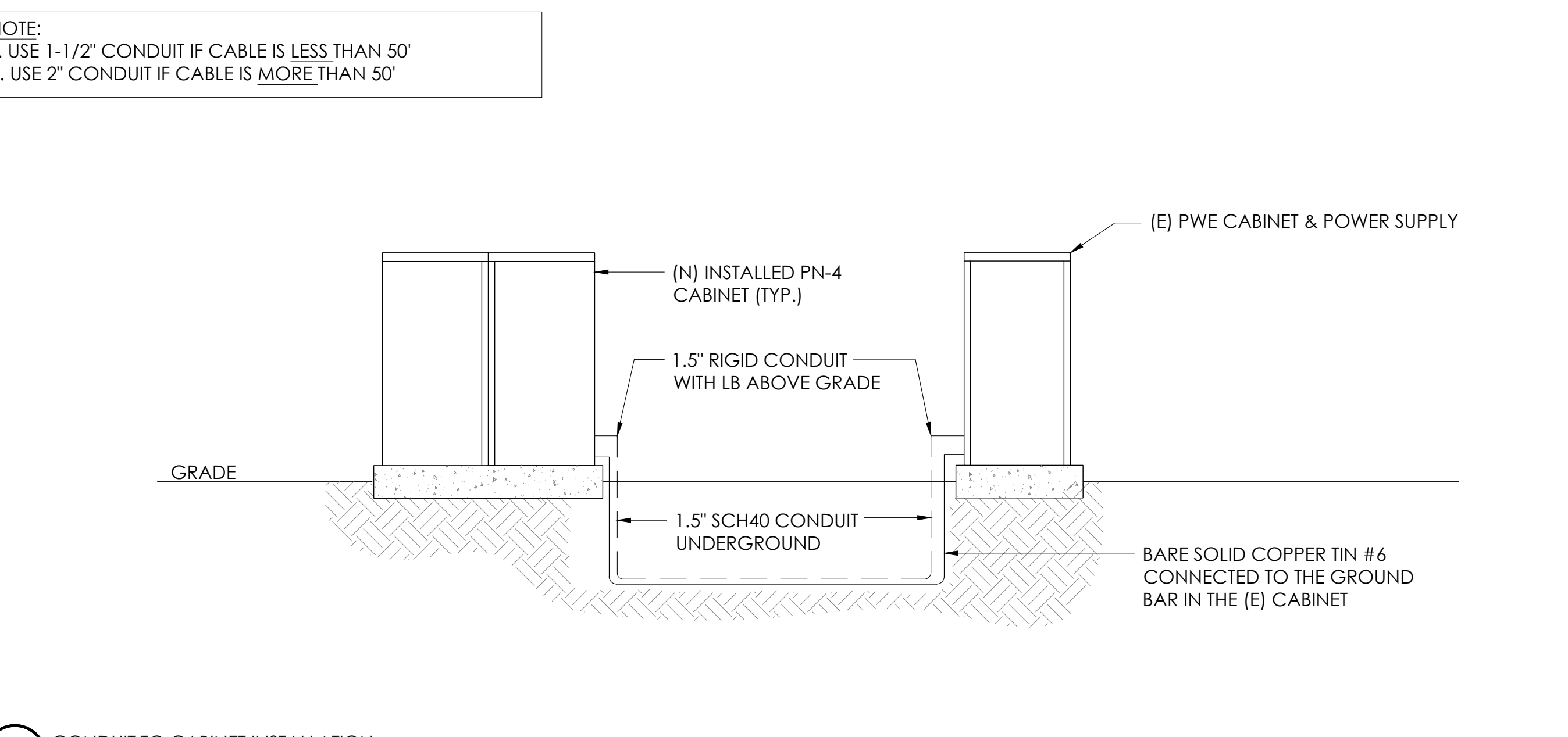
8 P4 CABINET INSTALLATION
N.T.S.



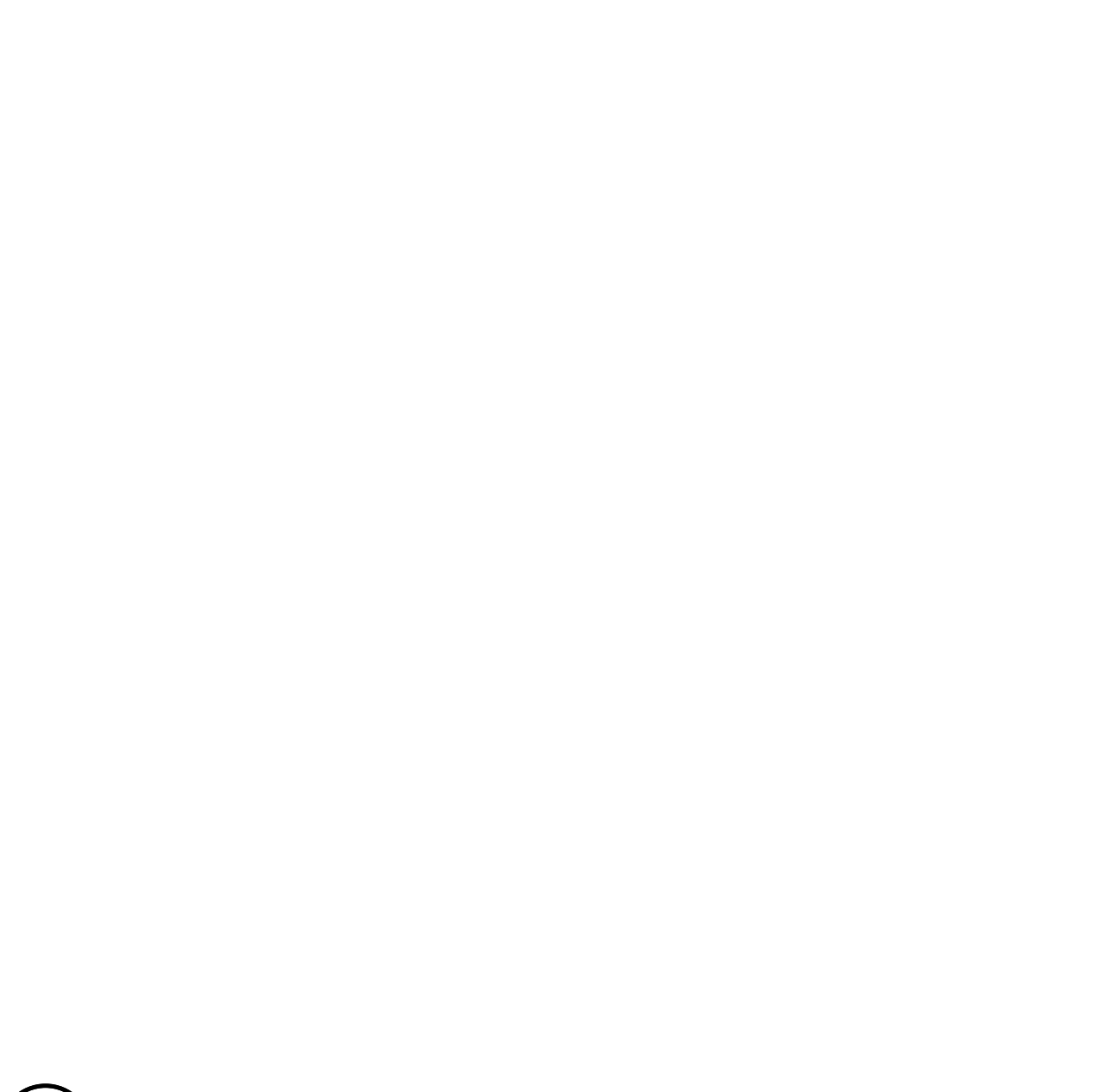
5 NOT USED
N.T.S.



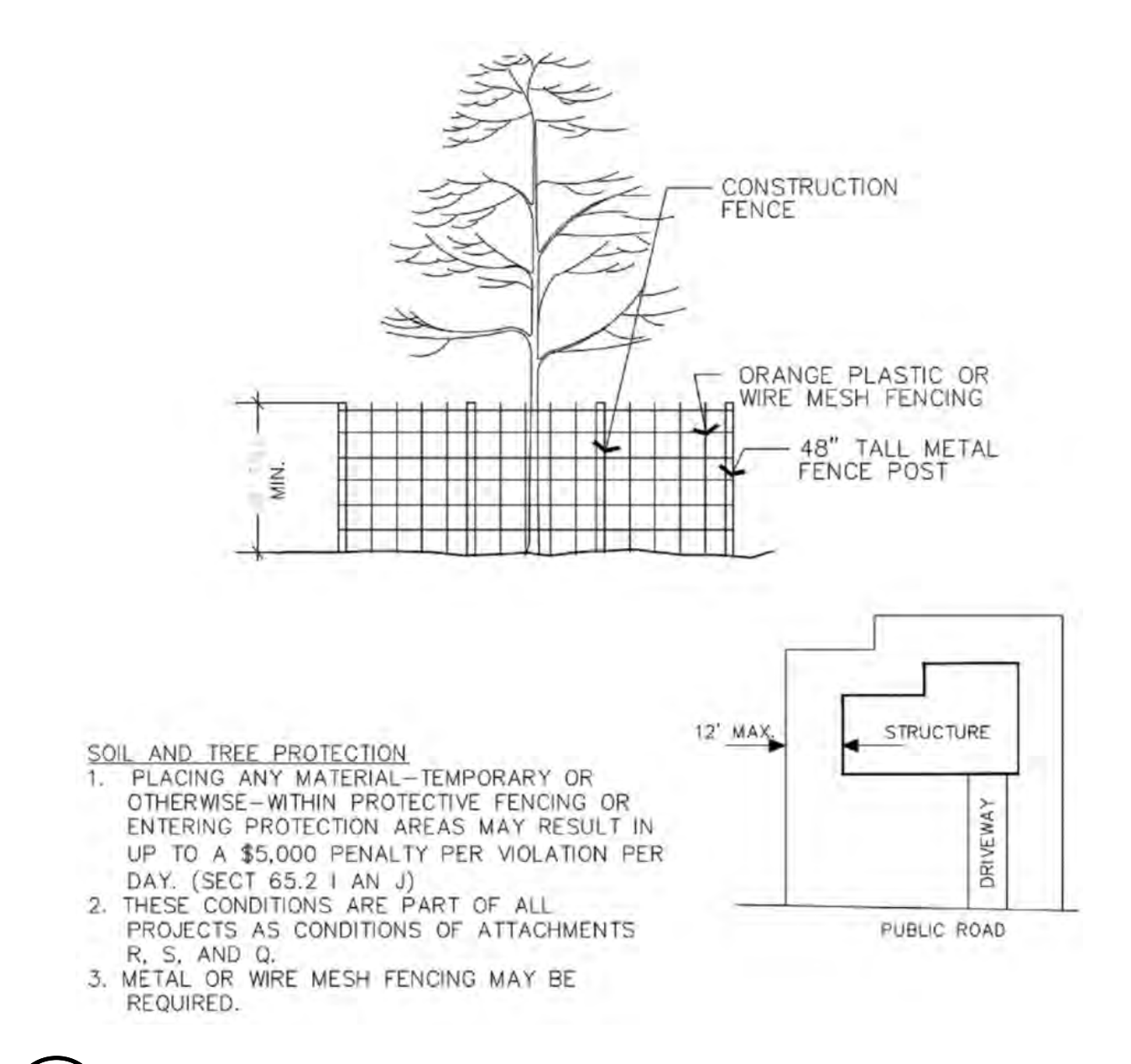
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

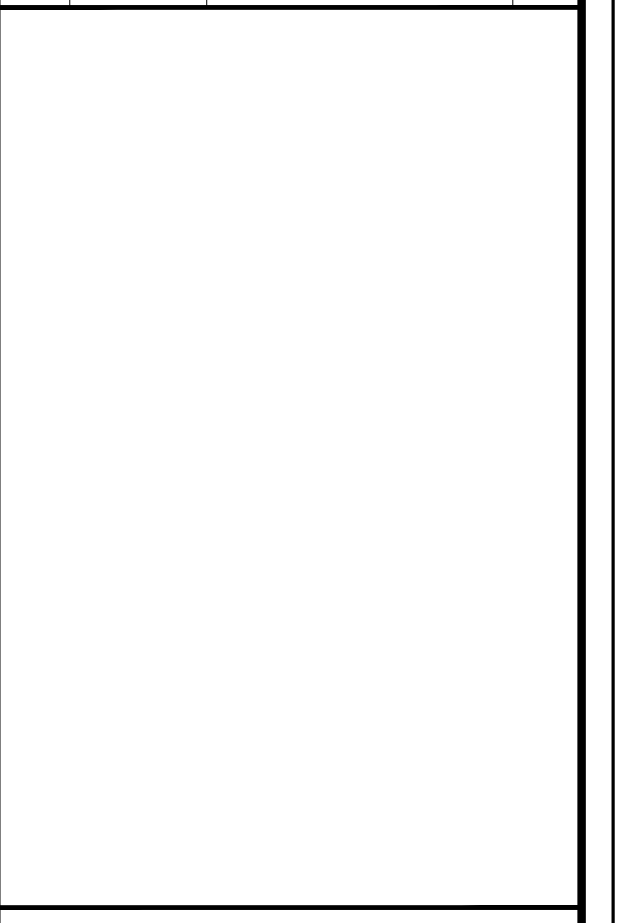


23 MAUCHLY, STE 110
IRVINE, CA 92618

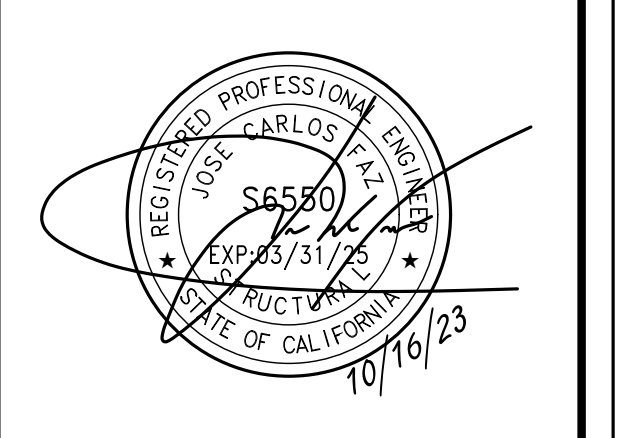
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069689

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	RP
0	12/27/21	100% CD	BN
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2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/22	100% CD REV PER PPC#1	RD
4	10/06/23	SURVEY SHT / BOLLARD ADD	MZ



SEAL



SITE INFORMATION

SITE ID:
ST122D_A

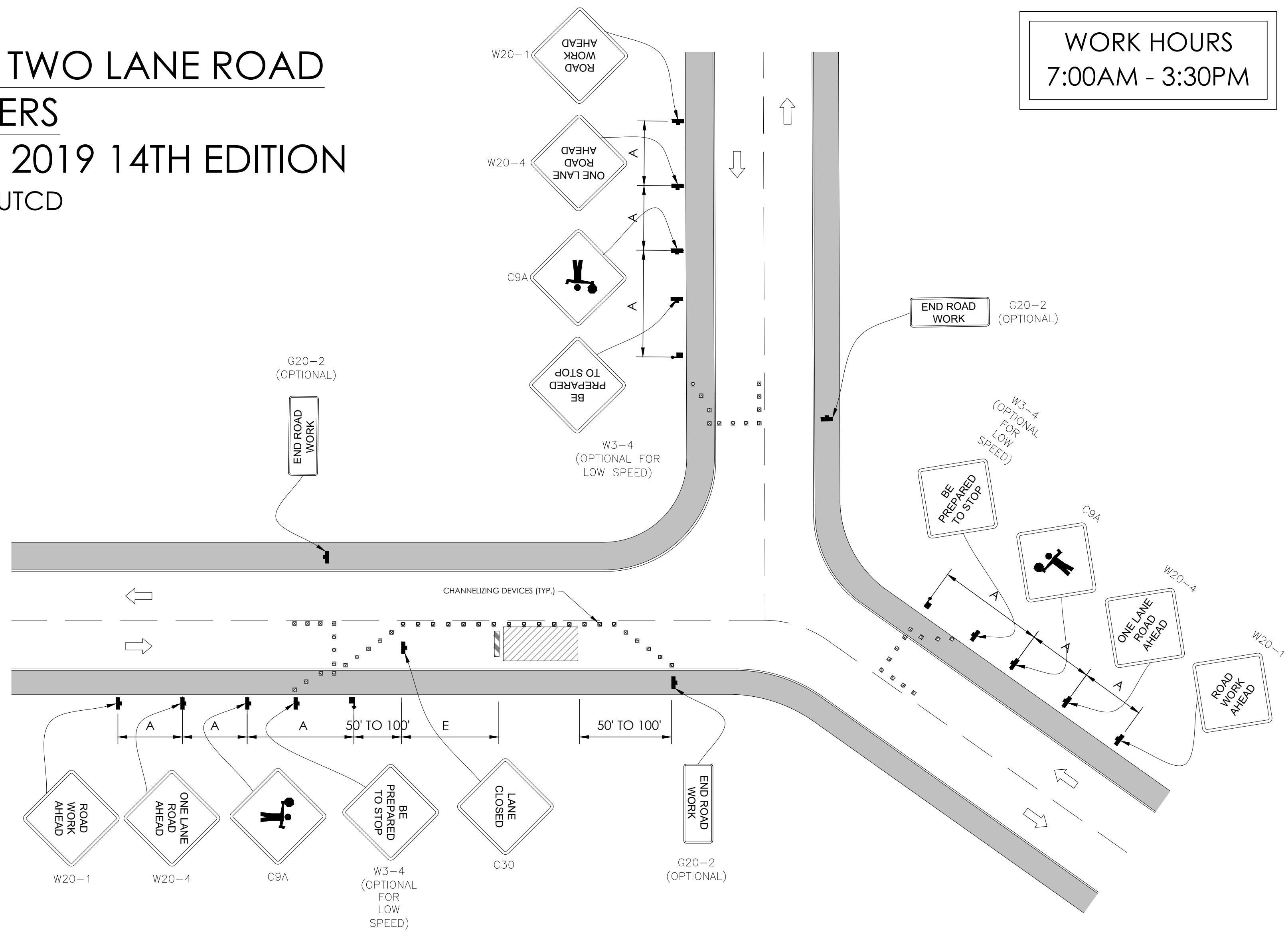
SITE ADDRESS:
1053 LODI AVE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD INTERSECTION USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD



GENERAL NOTES:

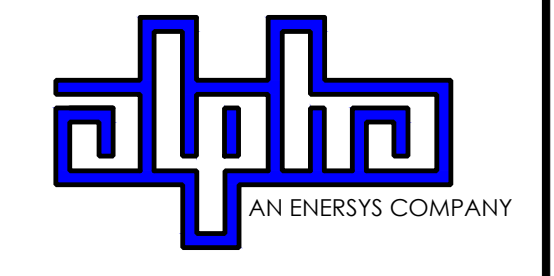
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-.3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25

1	WORK ON FREEWAYS AND EXRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

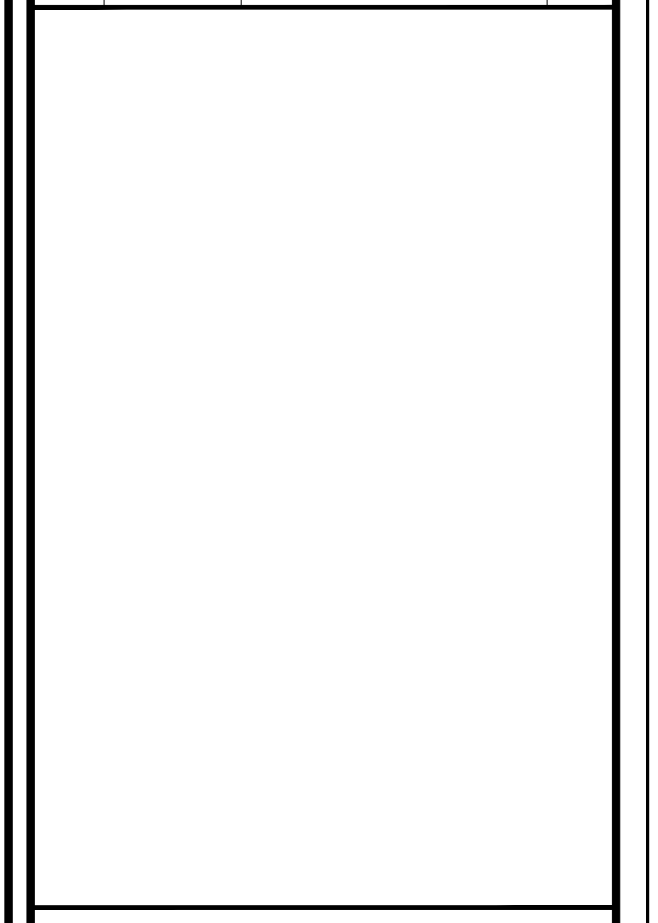


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069689

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	RP
0	12/27/21	100% CD	BN
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/22	100% CD REV PER PPC#1	RD
4	10/06/23	SURVEY SHT / BOLLARD ADD	MZ



SEAL

SITE INFORMATION

**SITE ID:
ST122D_A**

SITE ADDRESS:
1053 LODI AVE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

LOCATION MAP



SITE ID: ST122B_A

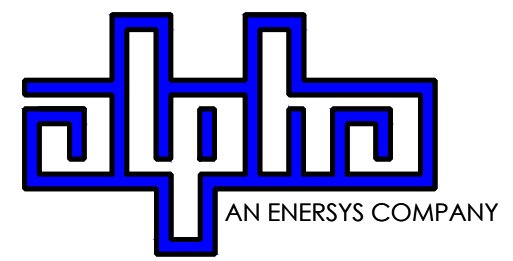
SITE ADDRESS:
1065 SIERRA BLVD,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	1065 SIERRA BLVD SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9235698, -119.9843056
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	LIBERTY UTILITIES
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	90
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	6
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	PROPOSED COVERAGE (CLASS 7) = 12 SF
CUT/FILL VOLUME:	2.2 C.Y.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058523

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/23	100% CD REV PER PPC#2	RD
4	10/12/23	SURVEY ADD	JDJ

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL
LS-1	SURVEY

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 100 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 1 - CALIFORNIA ADMINISTRATIVE CODE
 PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT

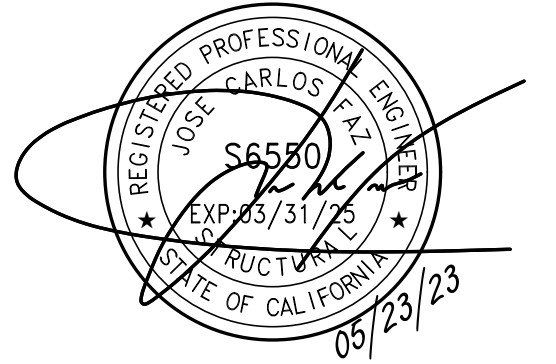
PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANSII/A-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID:
ST122B_A

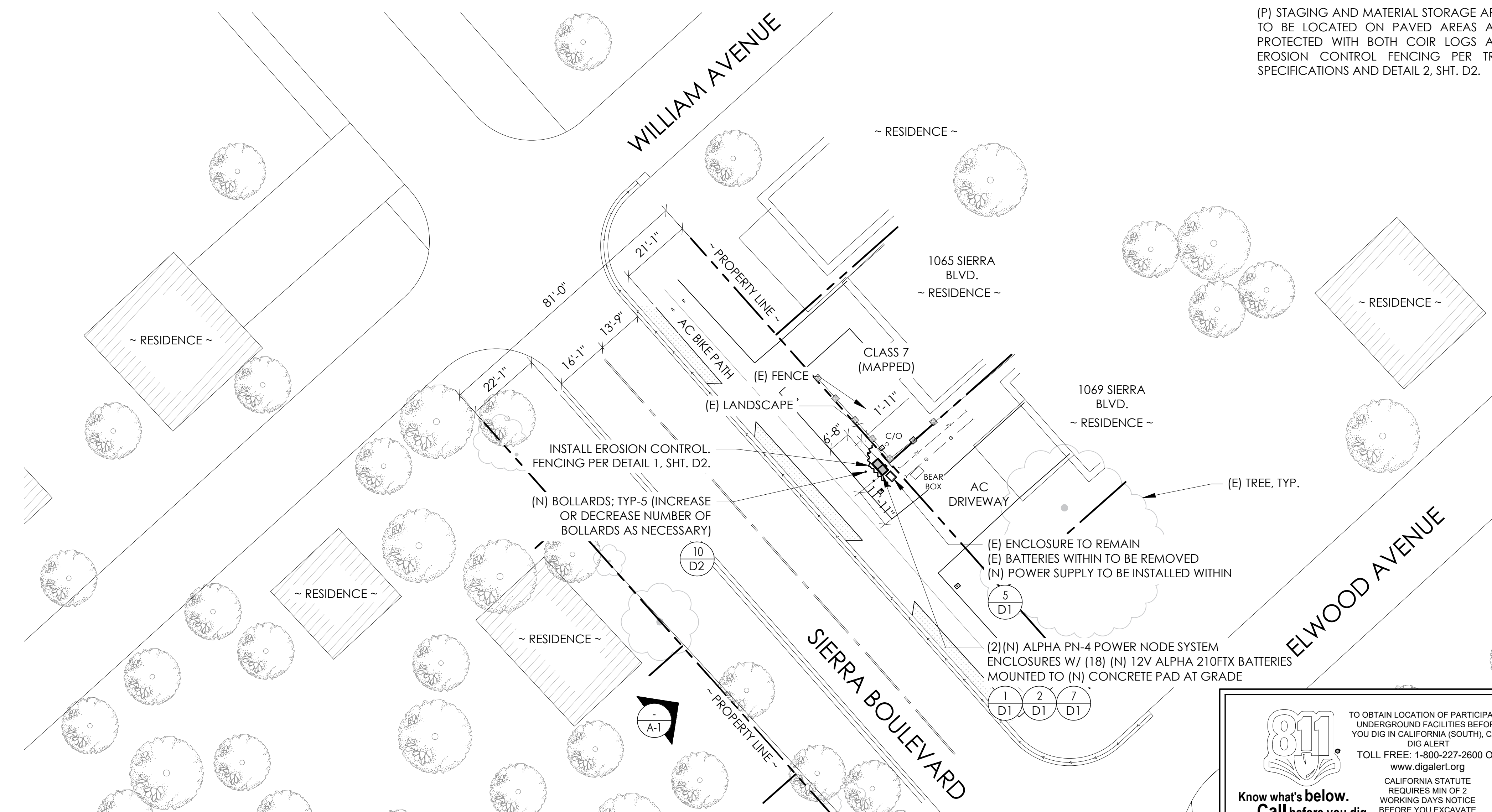
SITE ADDRESS:
1065 SIERRA BLVD,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

TITLE SHEET

T1

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



811
Know what's below.
Call before you dig.

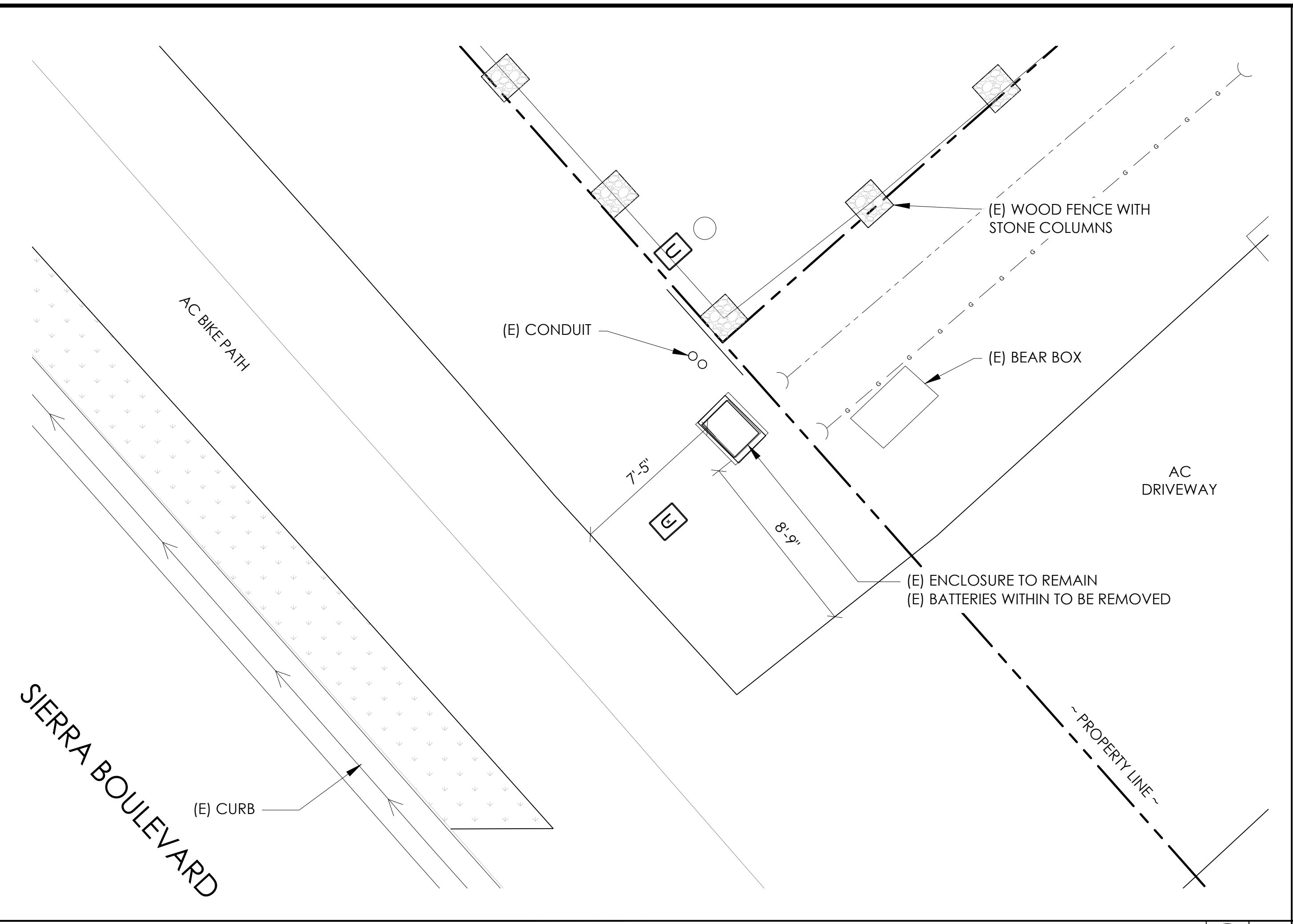
TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT
 TOLL FREE: 1-800-227-2600 OR www.digalert.org
 CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

SITE PLAN

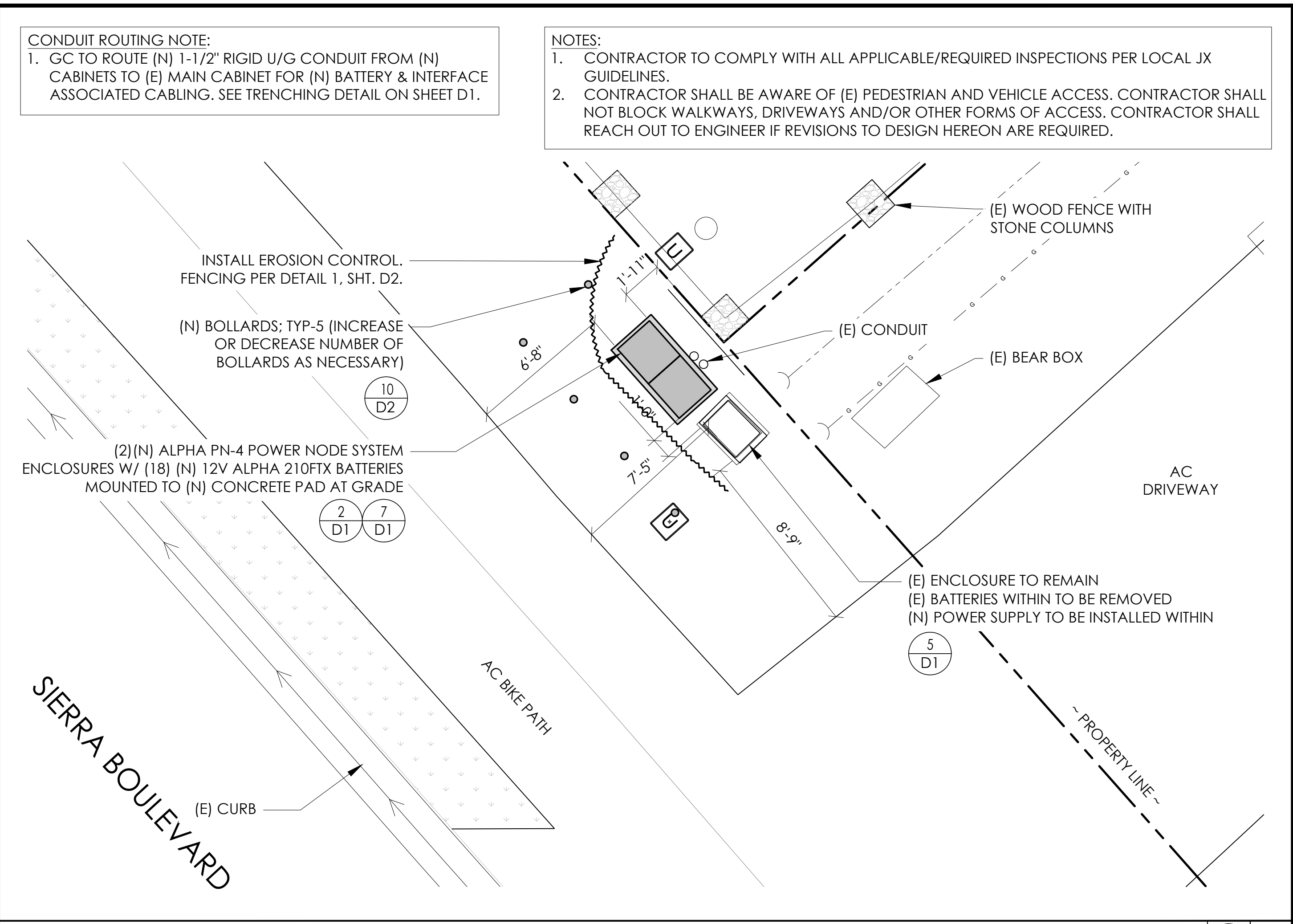
24"x36" SCALE: 1" = 20'-0"
 11"x17" SCALE: 1" = 40'-0"

20' 10' 0' 20'

NORTH



EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2

CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

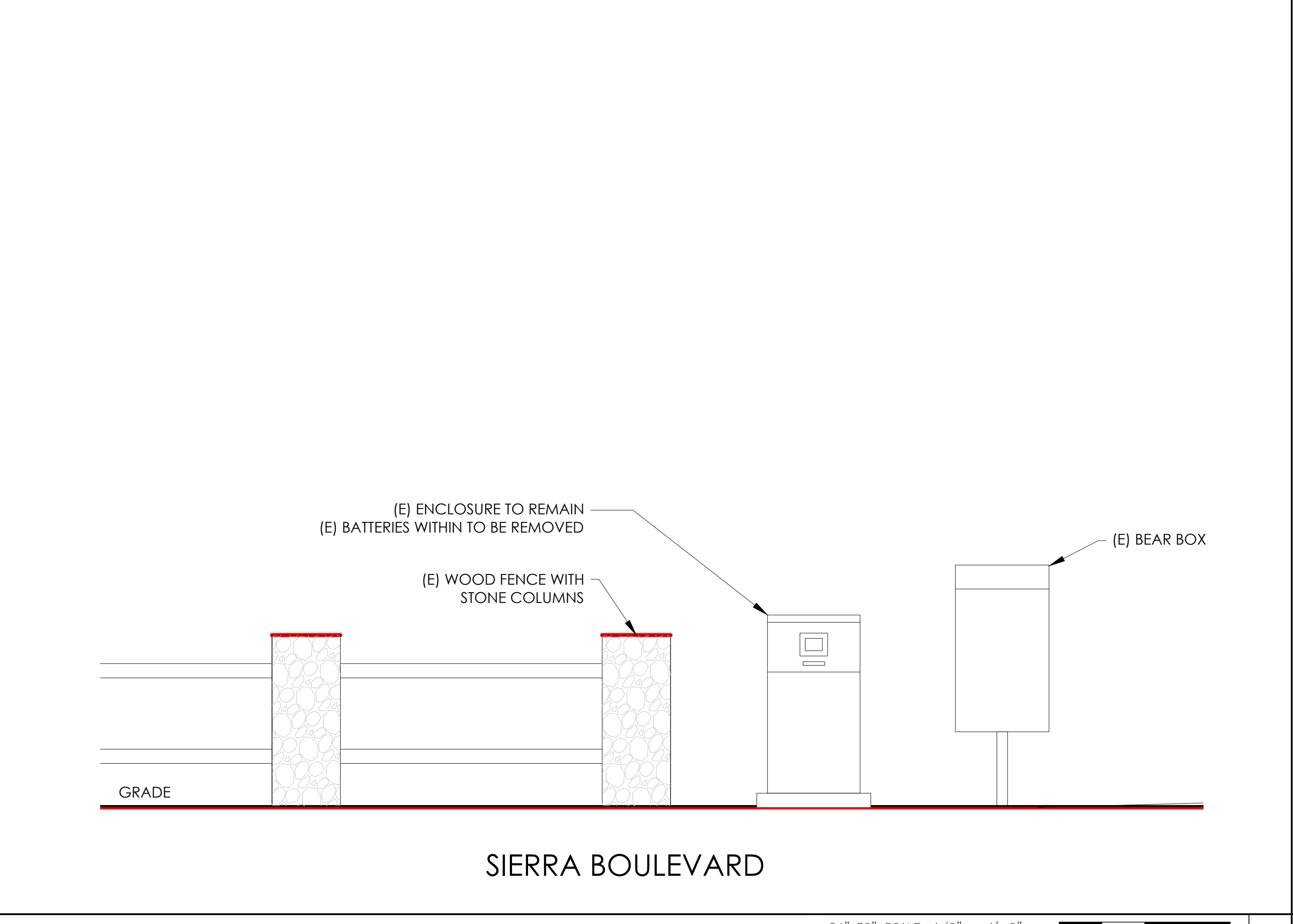
Charter Spectrum
9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

alpha
AN ENERSYS COMPANY
3767 ALPHA WAY
BELLINGHAM, WA 98226

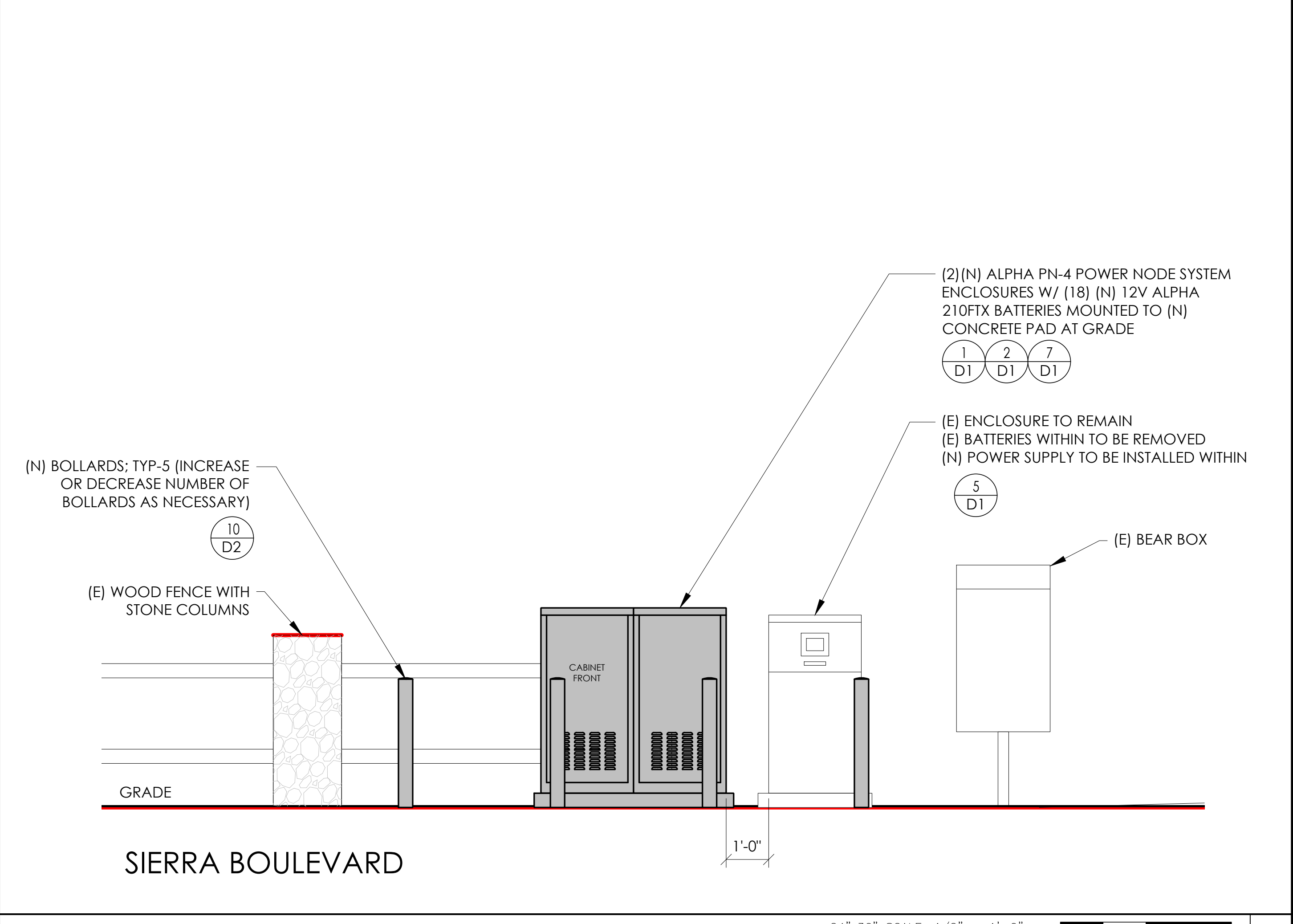
J5 INFRASTRUCTURE
PARTNERS
23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058523

ISSUE STATUS

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2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/23	100% CD REV PER PPC#2	RD
4	10/12/23	SURVEY ADD	JDJ



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4

SEAL

SITE INFORMATION

SITE ID:
ST122B_A

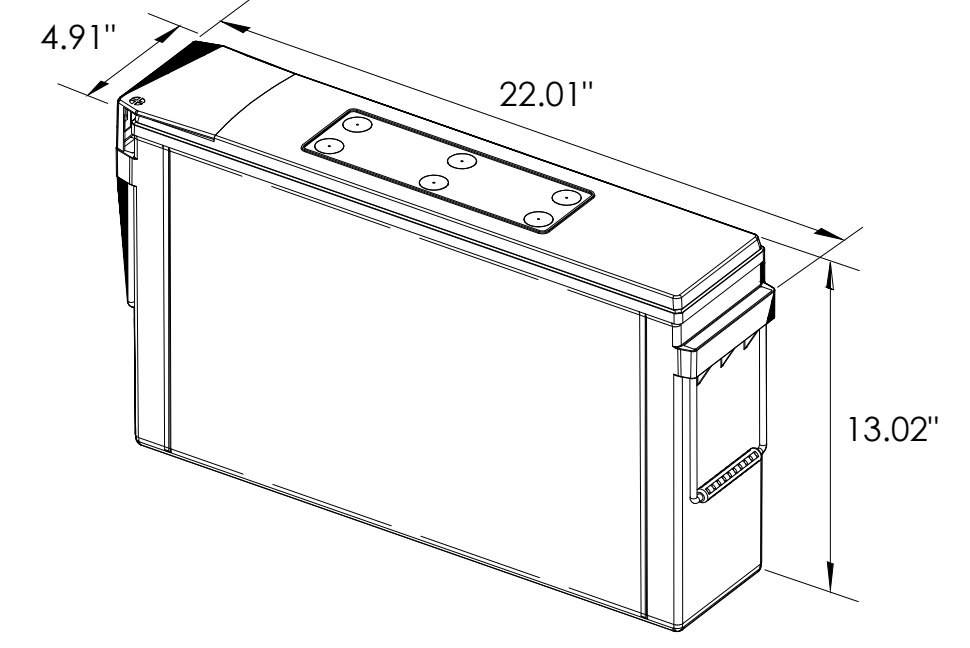
SITE ADDRESS:
1065 SIERRA BLVD,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA 210 FTX BATTERY UNIT



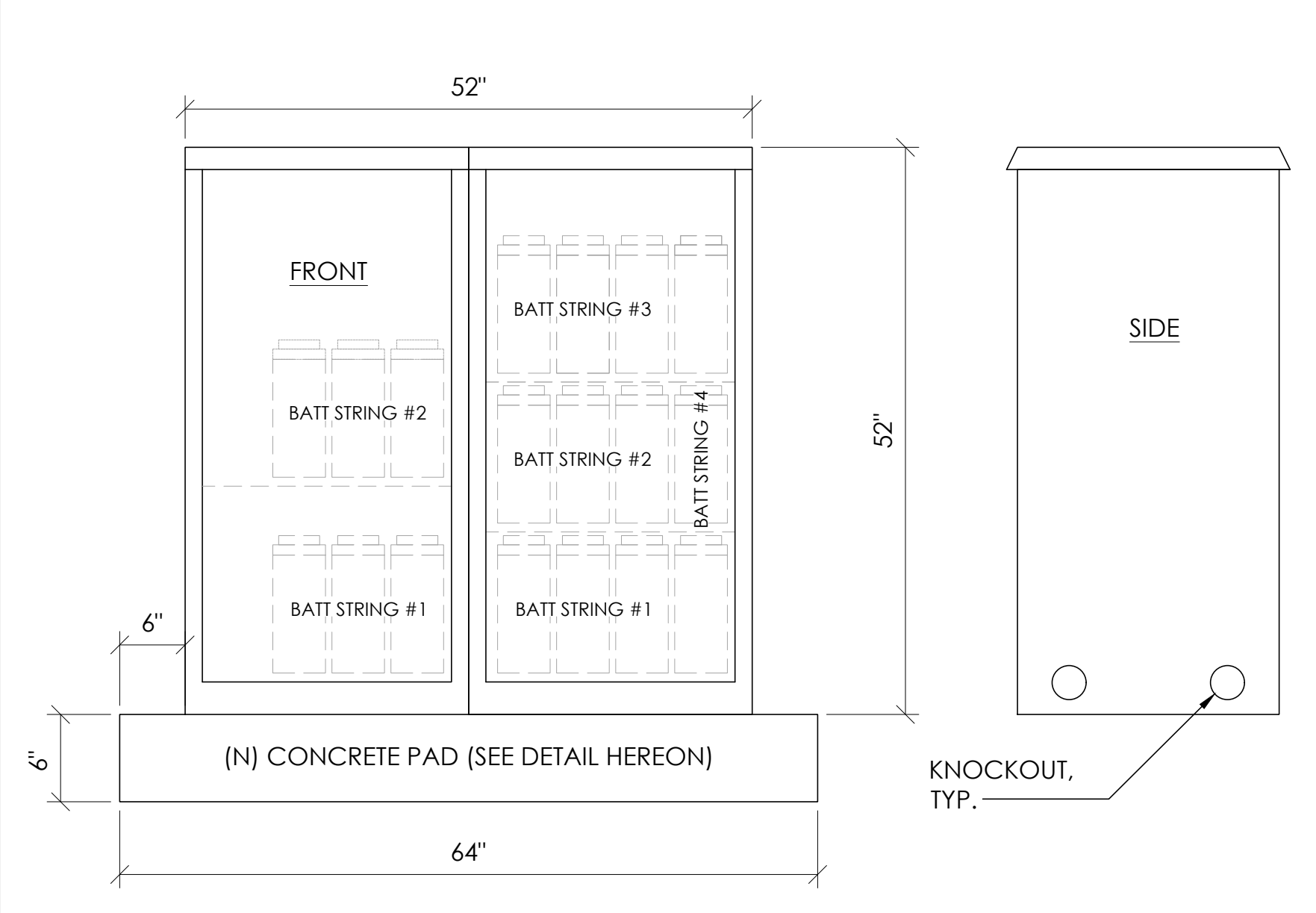
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG:	ALPHA
MODEL:	210 FTX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

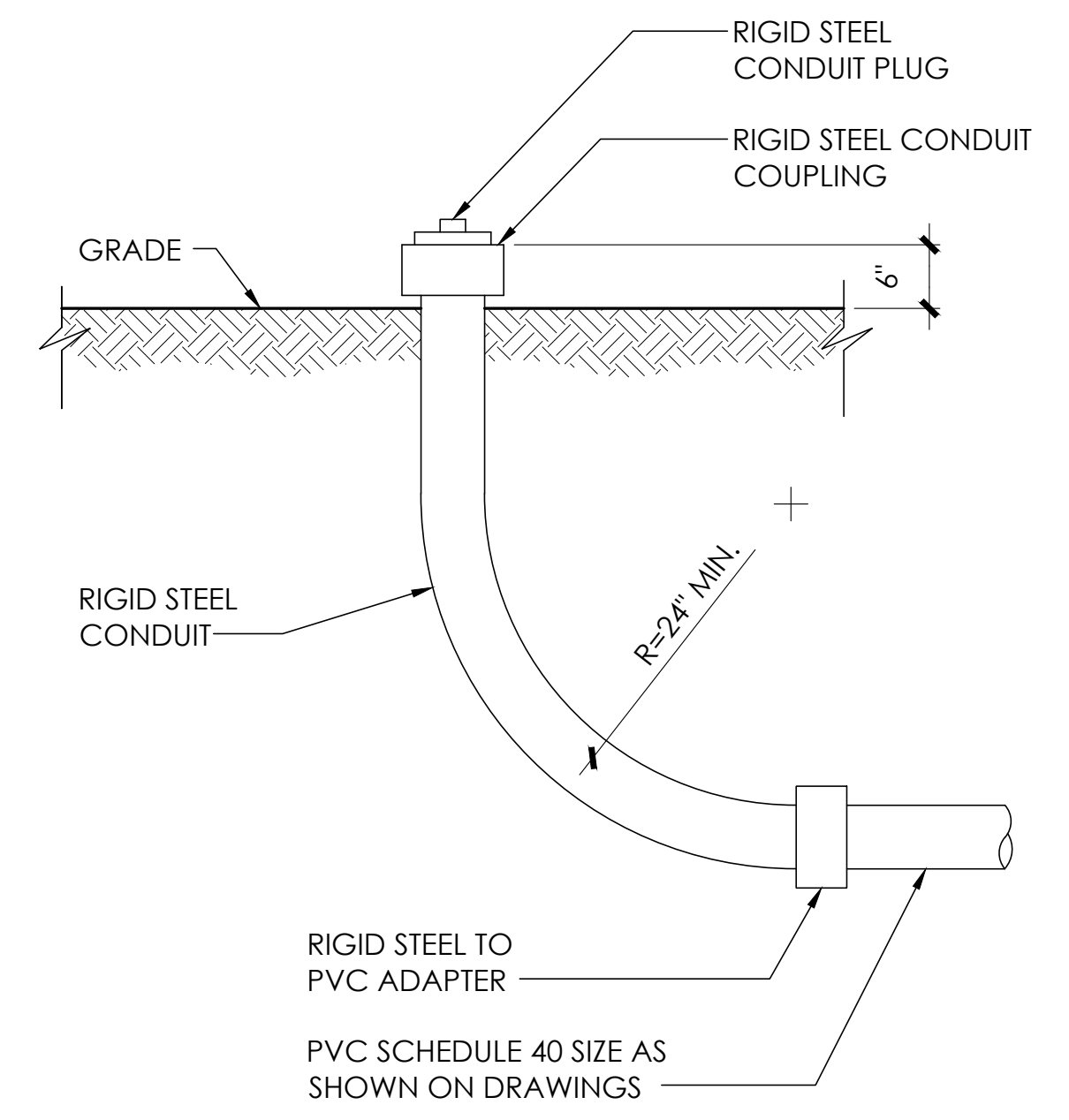
7 BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	CABINET #1: (4) BATTERY STRINGS CABINET #2: (2) BATTERY STRINGS

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



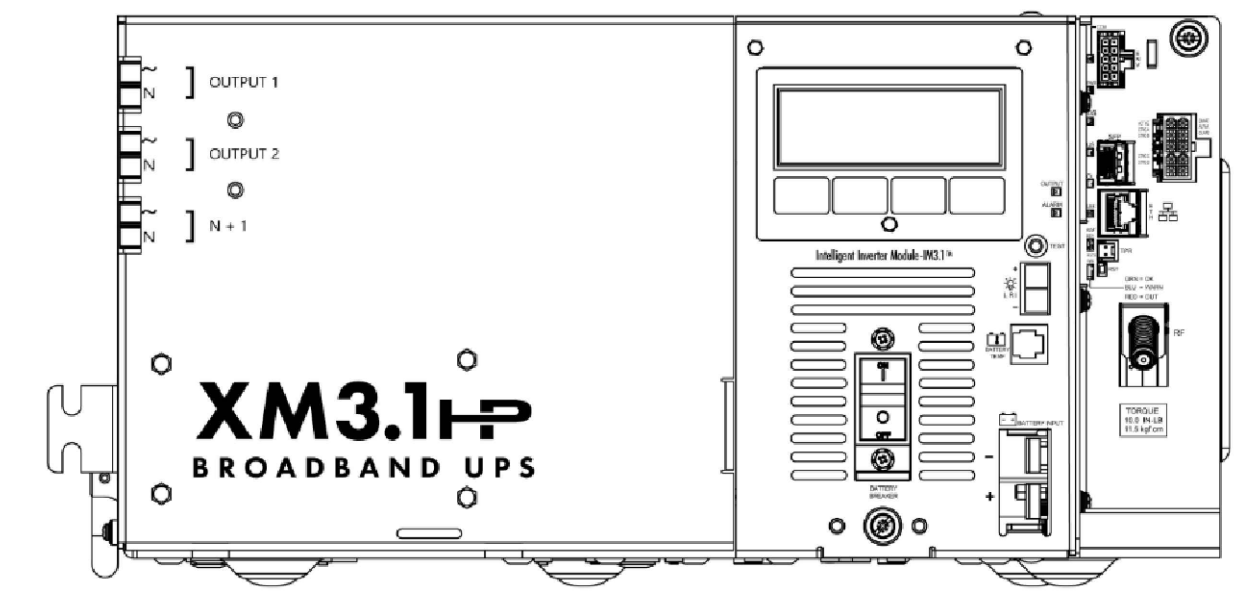
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

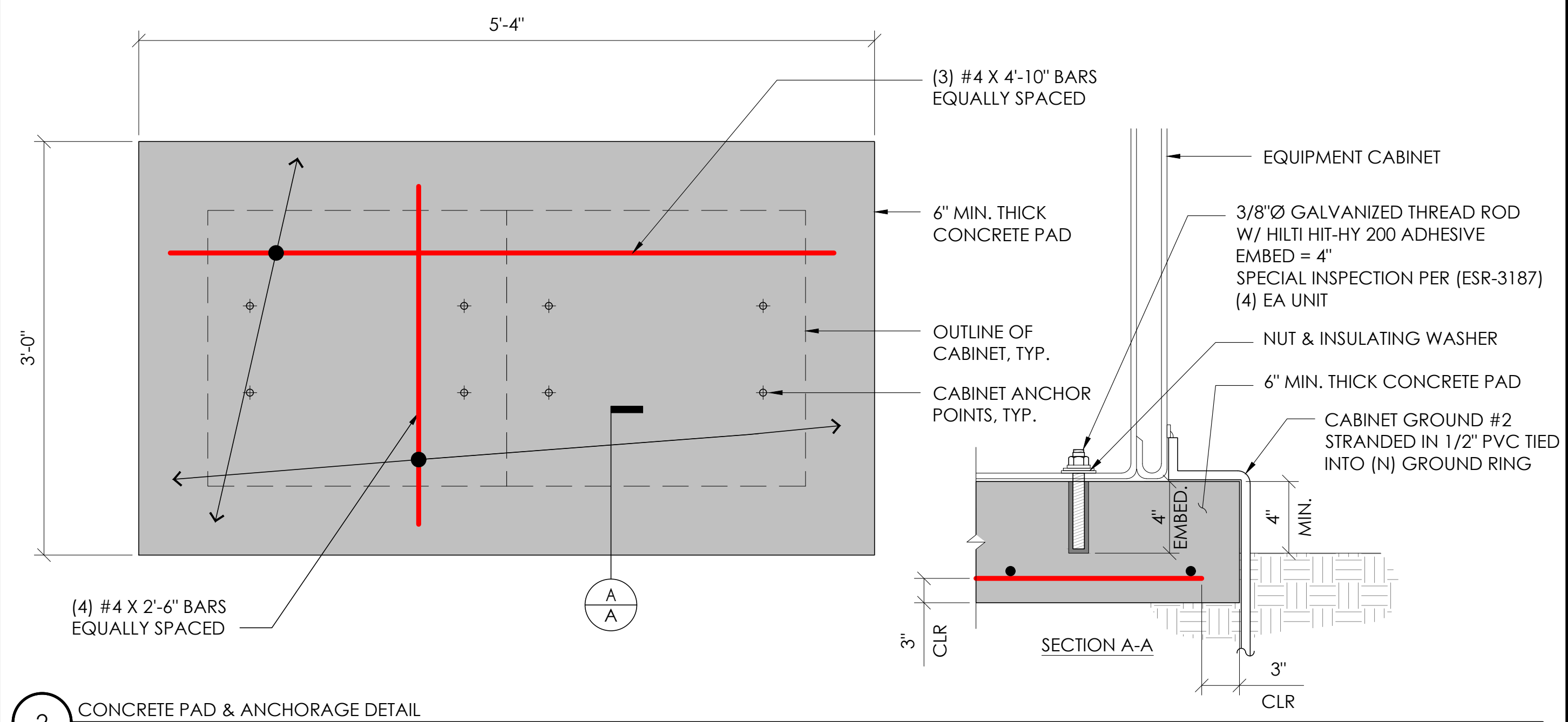
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

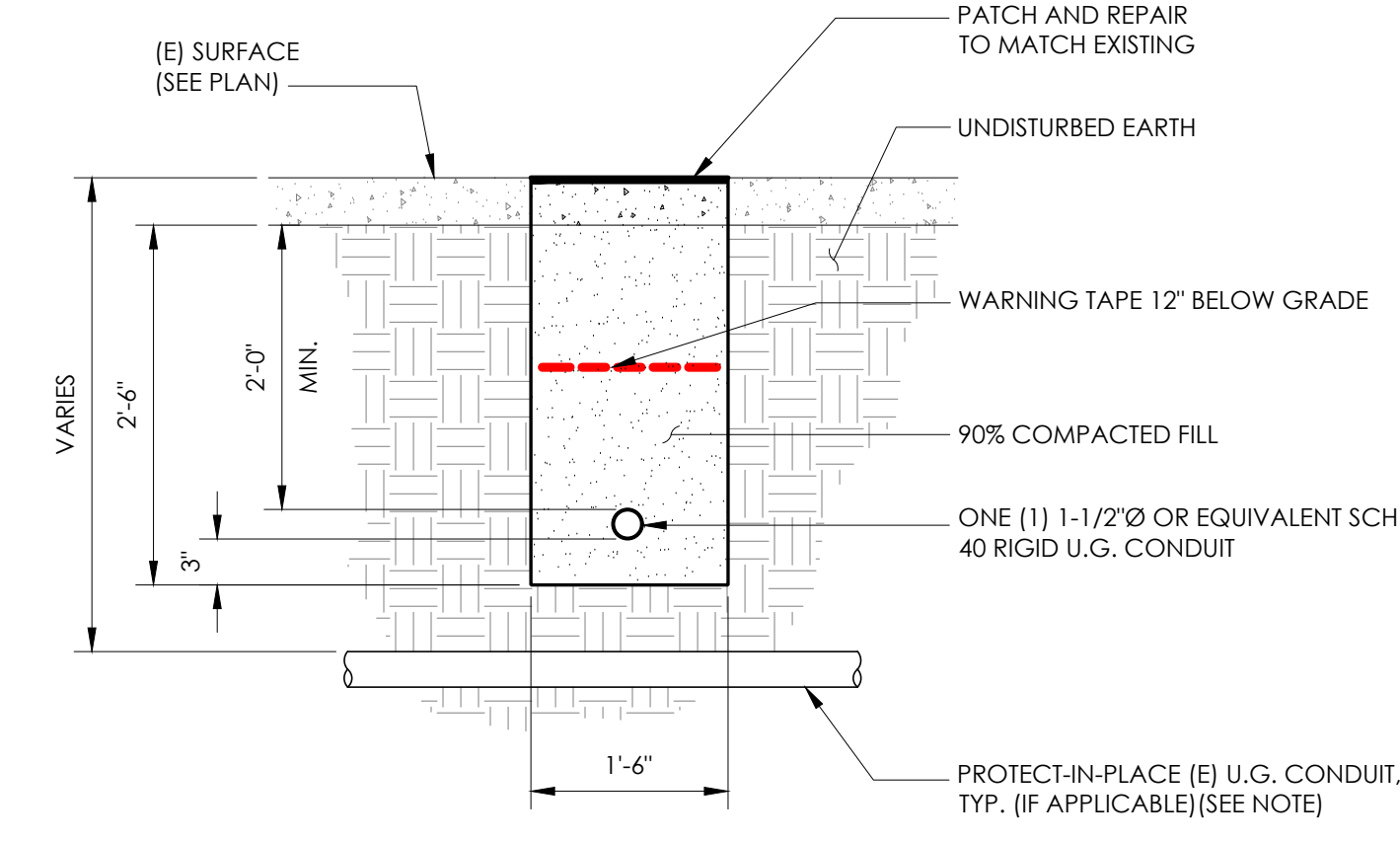


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

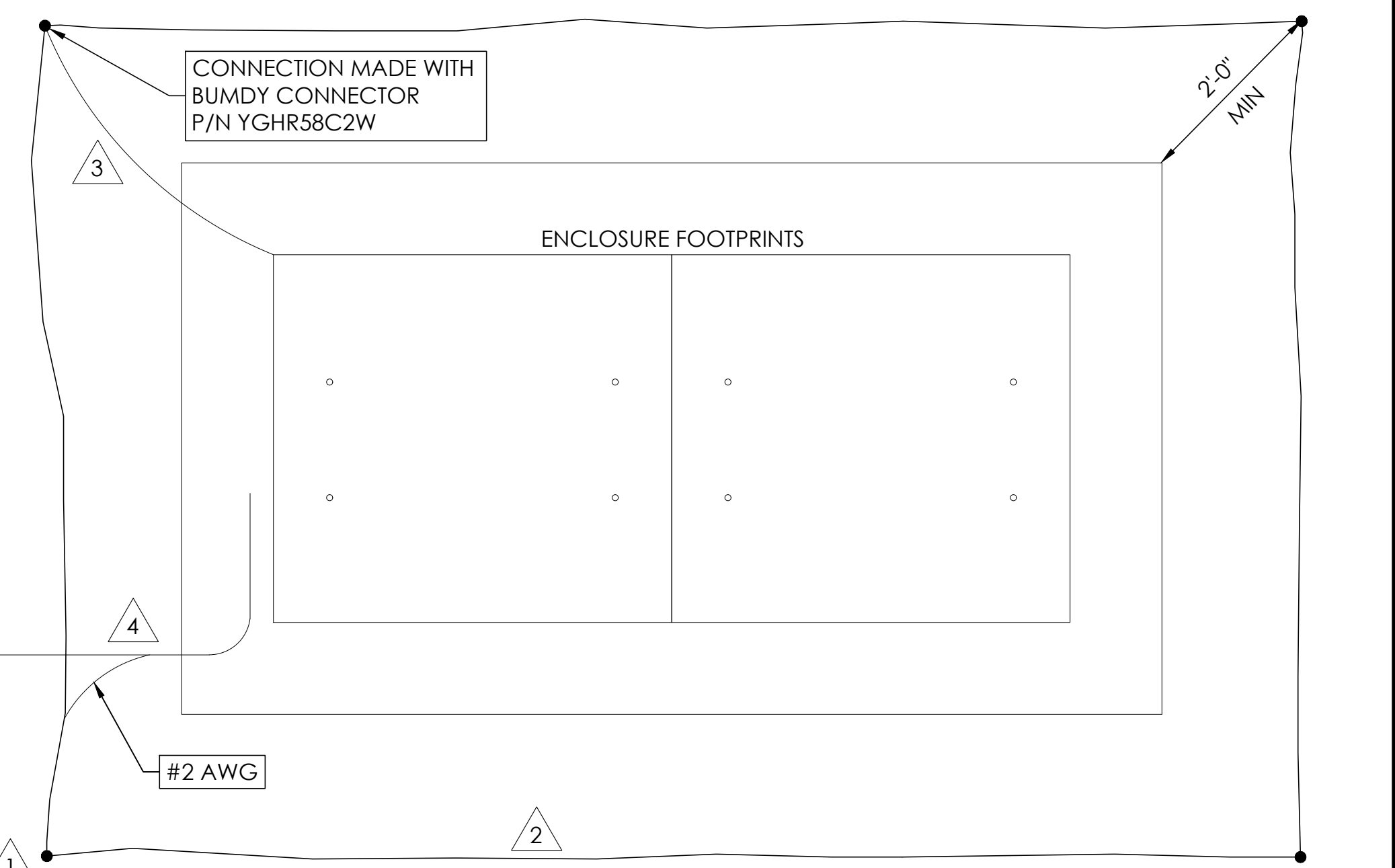
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)

- #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6' APART.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

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AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
PARTNERS

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058523

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
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SEAL

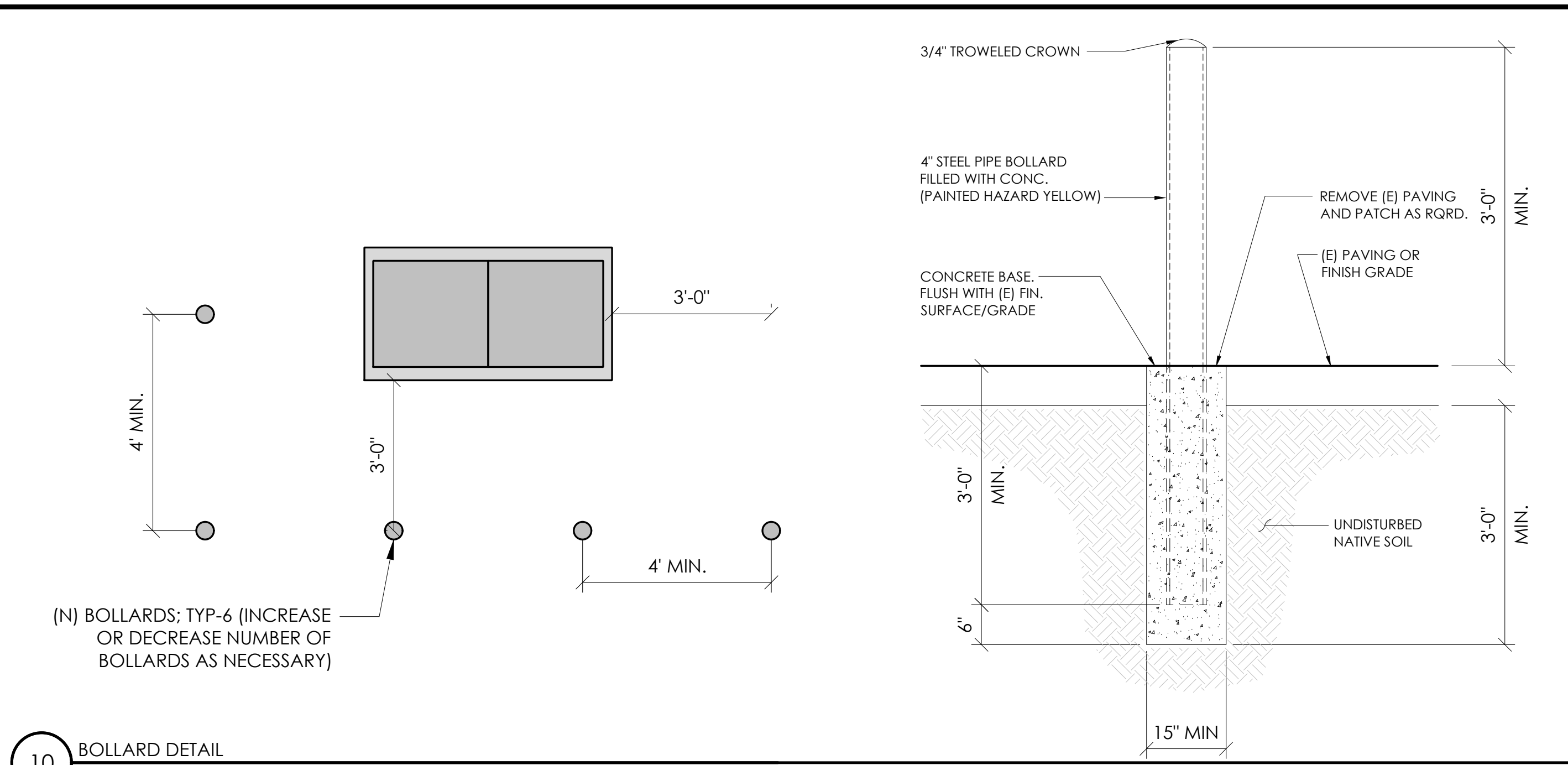
SITE INFORMATION

SITE ID:
ST122B_A

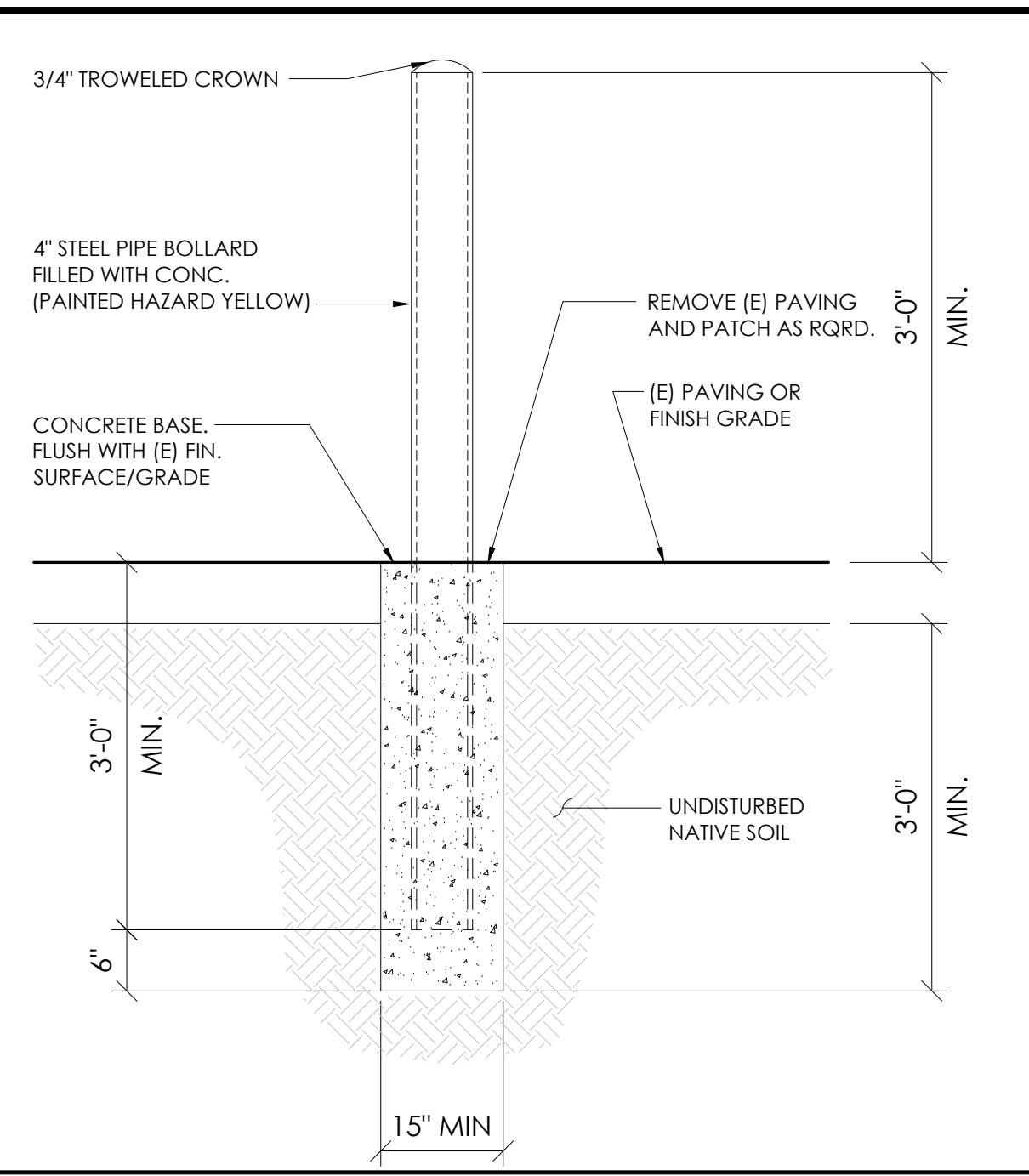
SITE ADDRESS:
1065 SIERRA BLVD,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
DETAILS

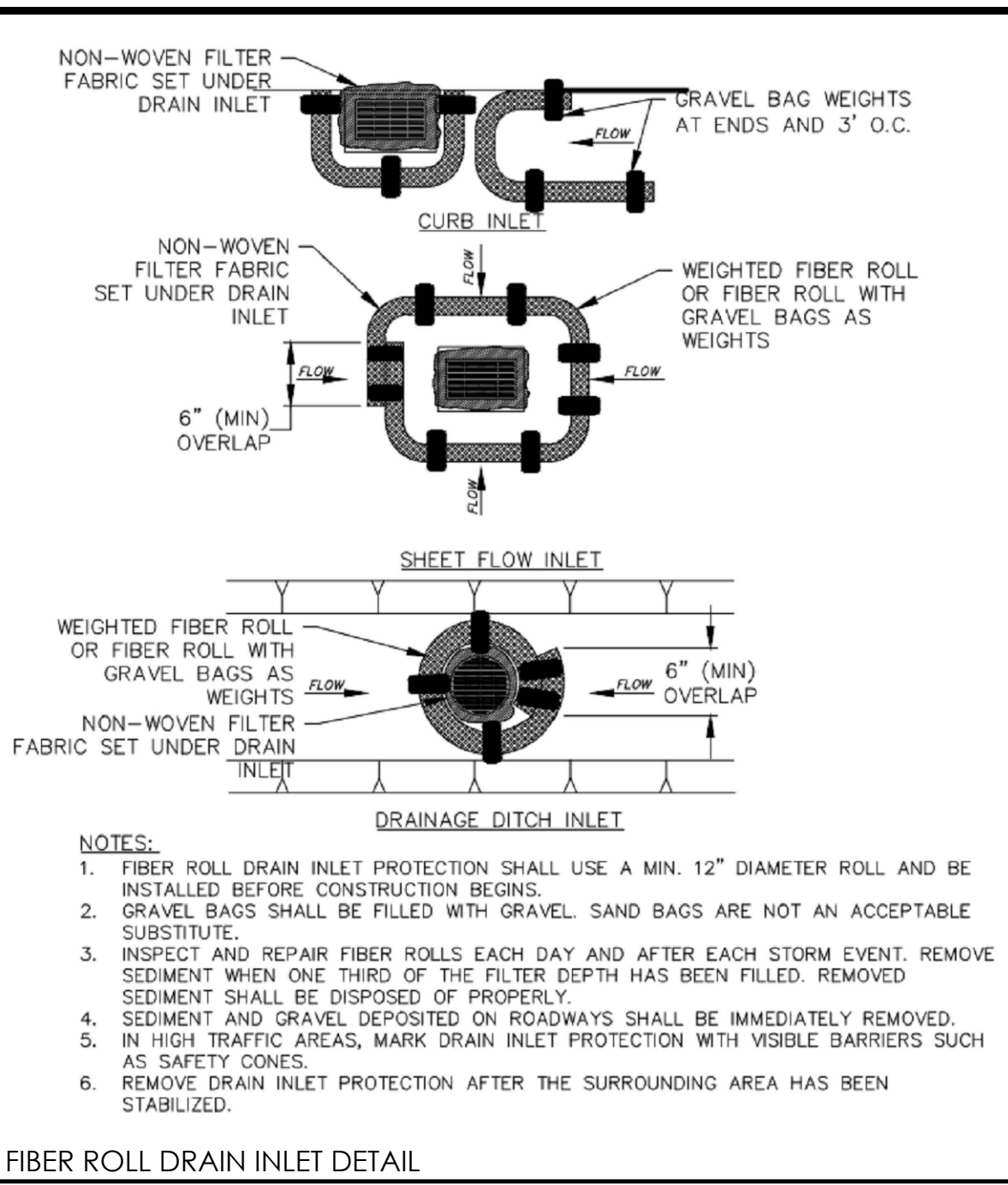
D1



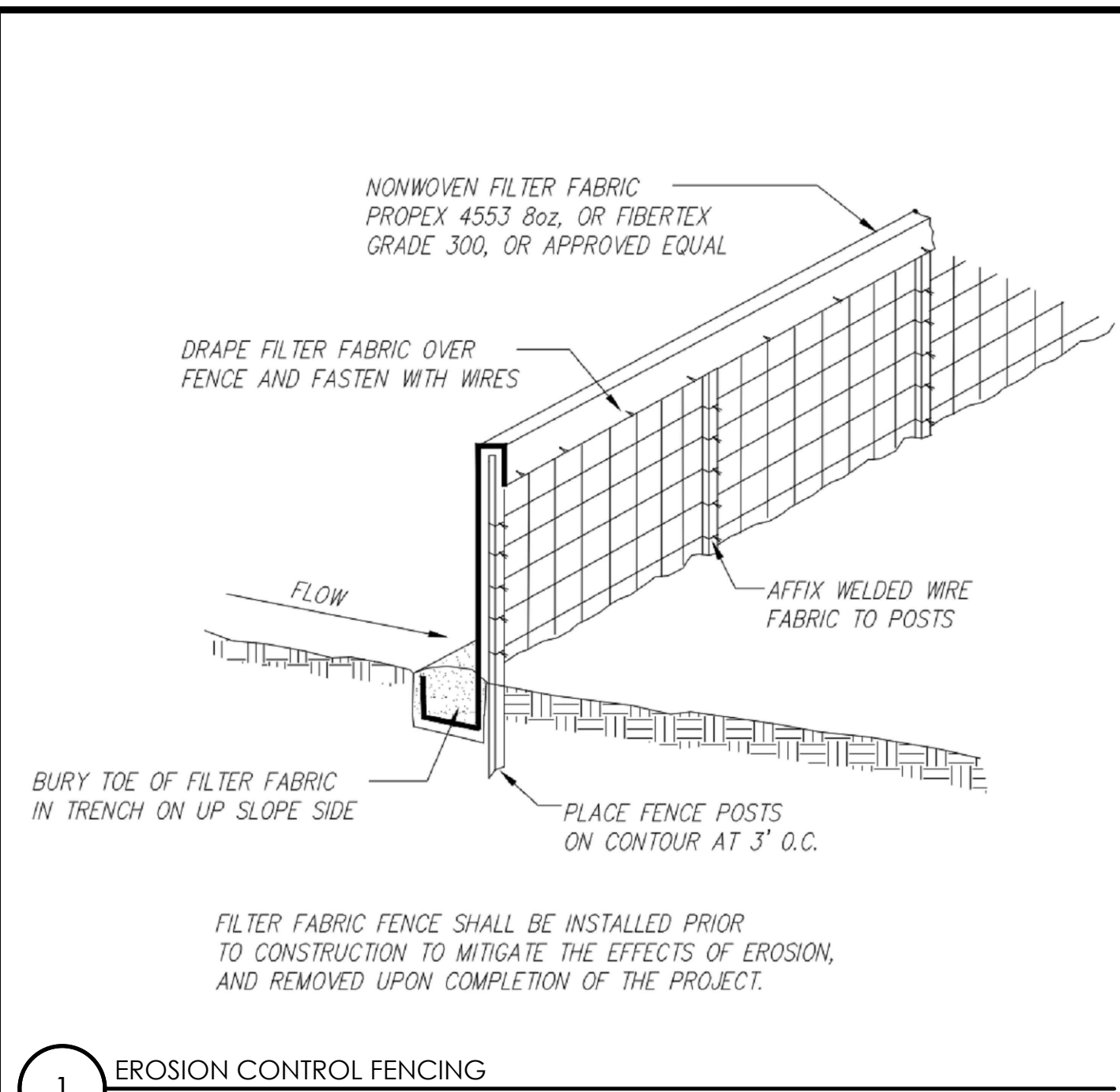
10 BOLLARD DETAIL
N.T.S.



4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



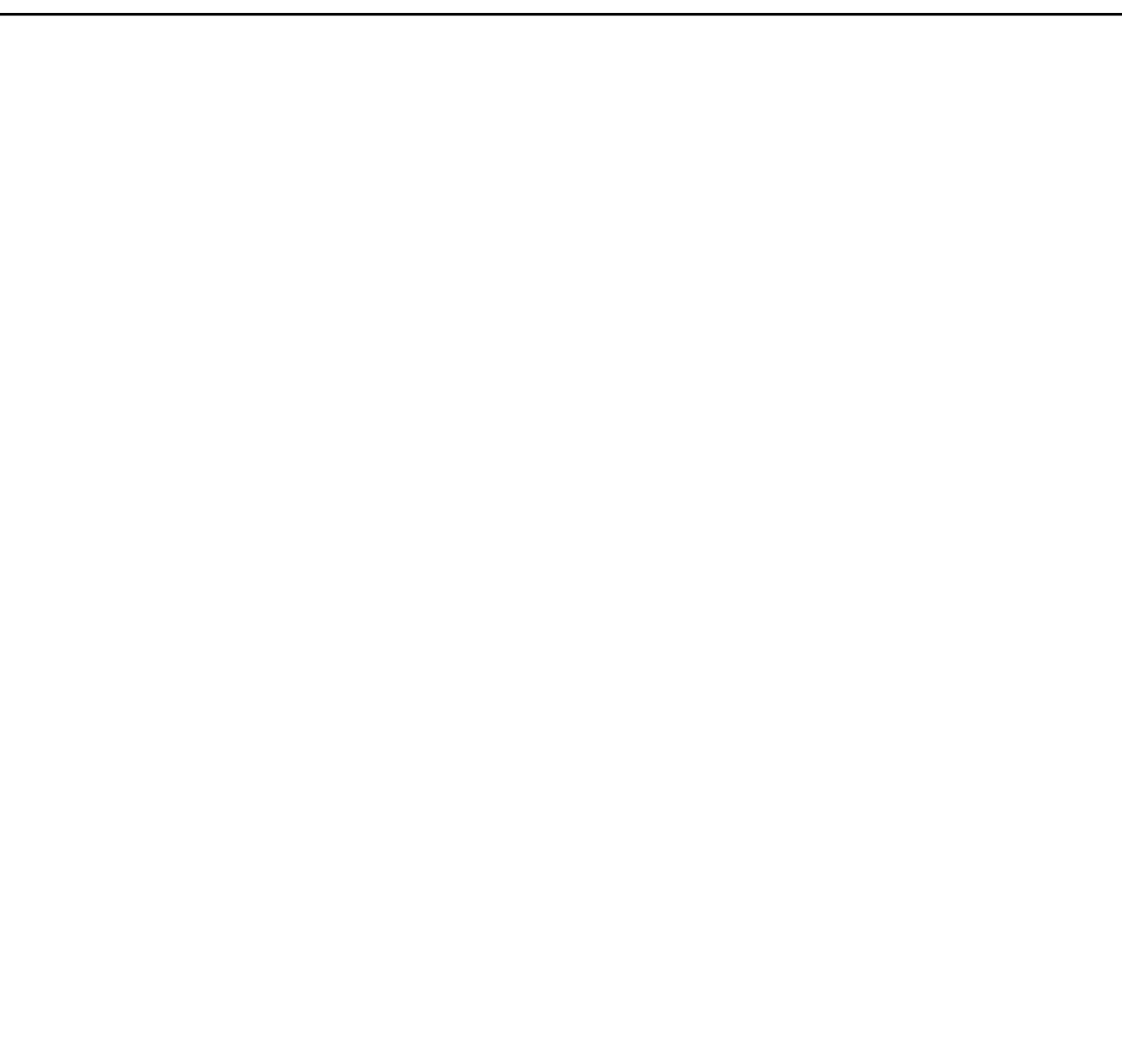
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



1 EROSION CONTROL FENCING
N.T.S.



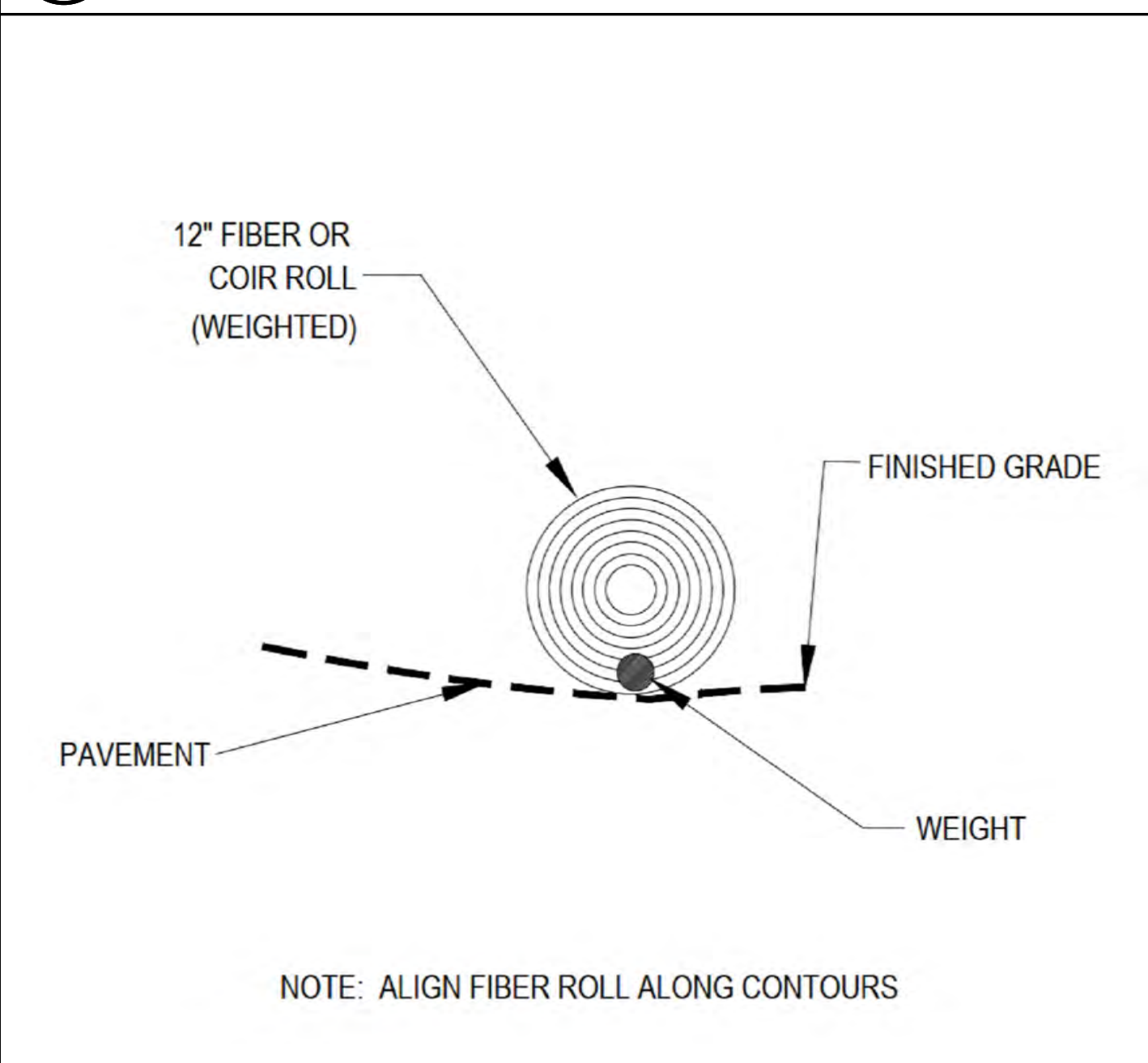
11 NOT USED
N.T.S.



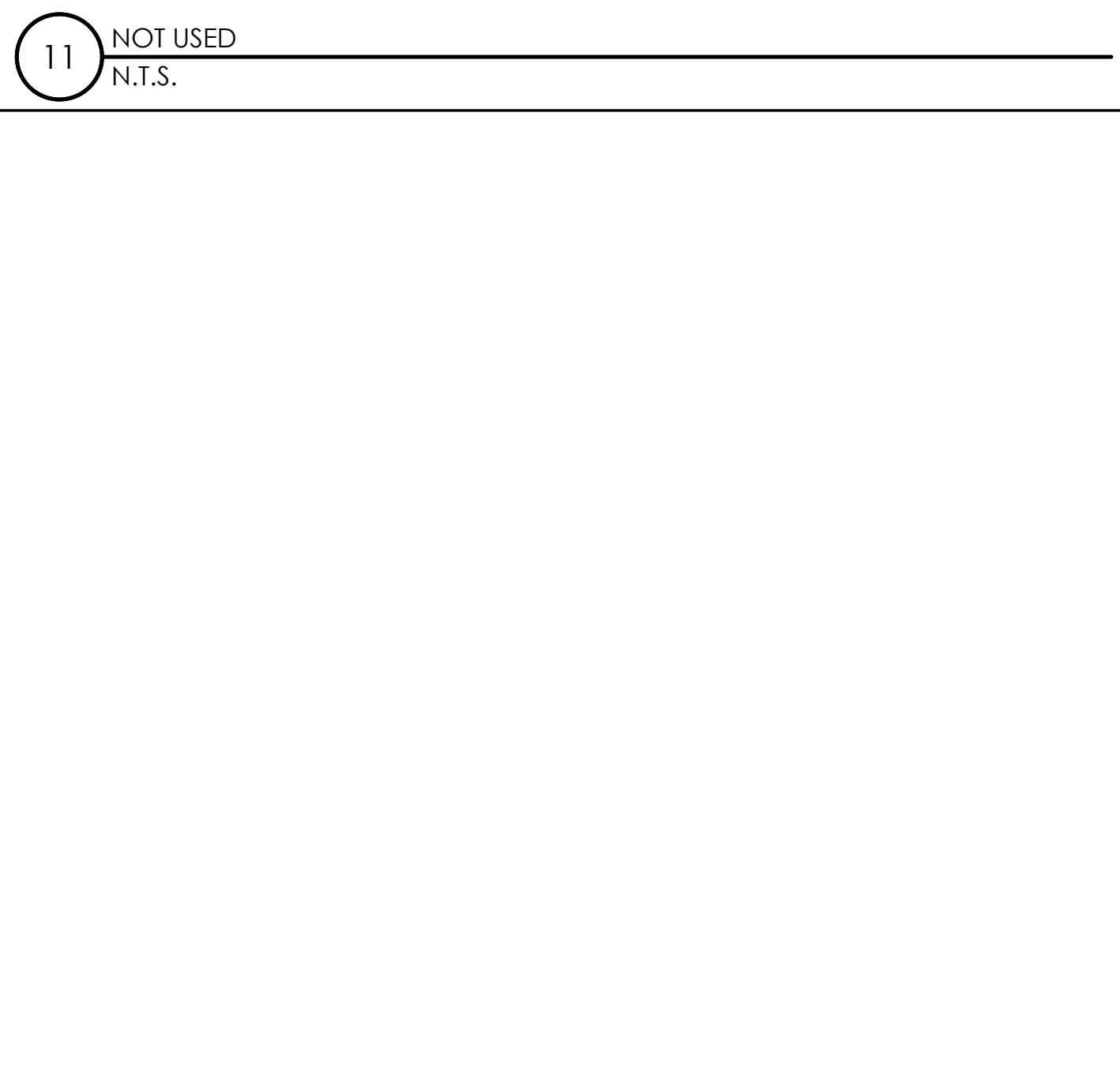
8 NOT USED
N.T.S.



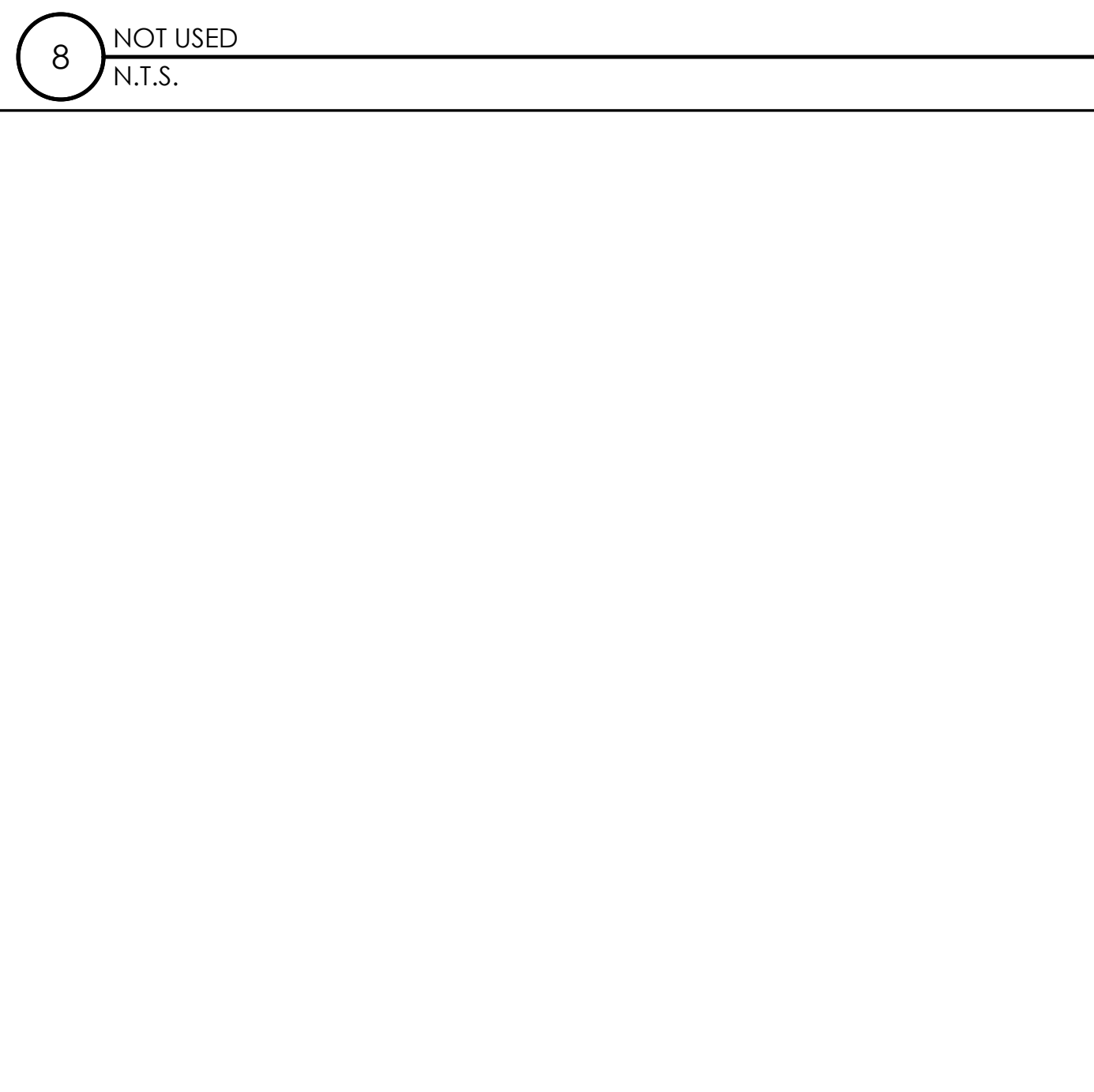
5 NOT USED
N.T.S.



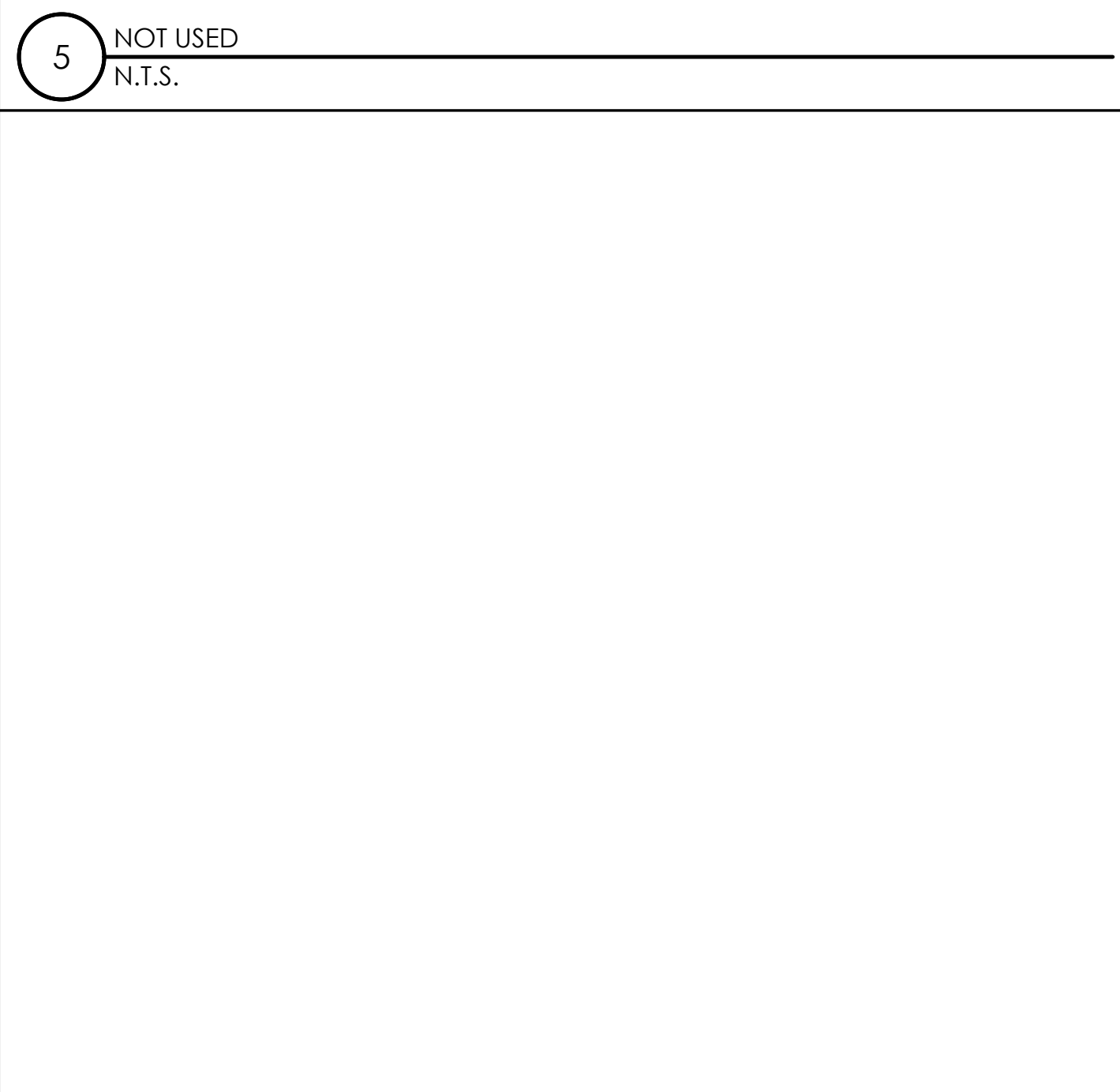
2 WEIGHTED COIR LOGS
N.T.S.



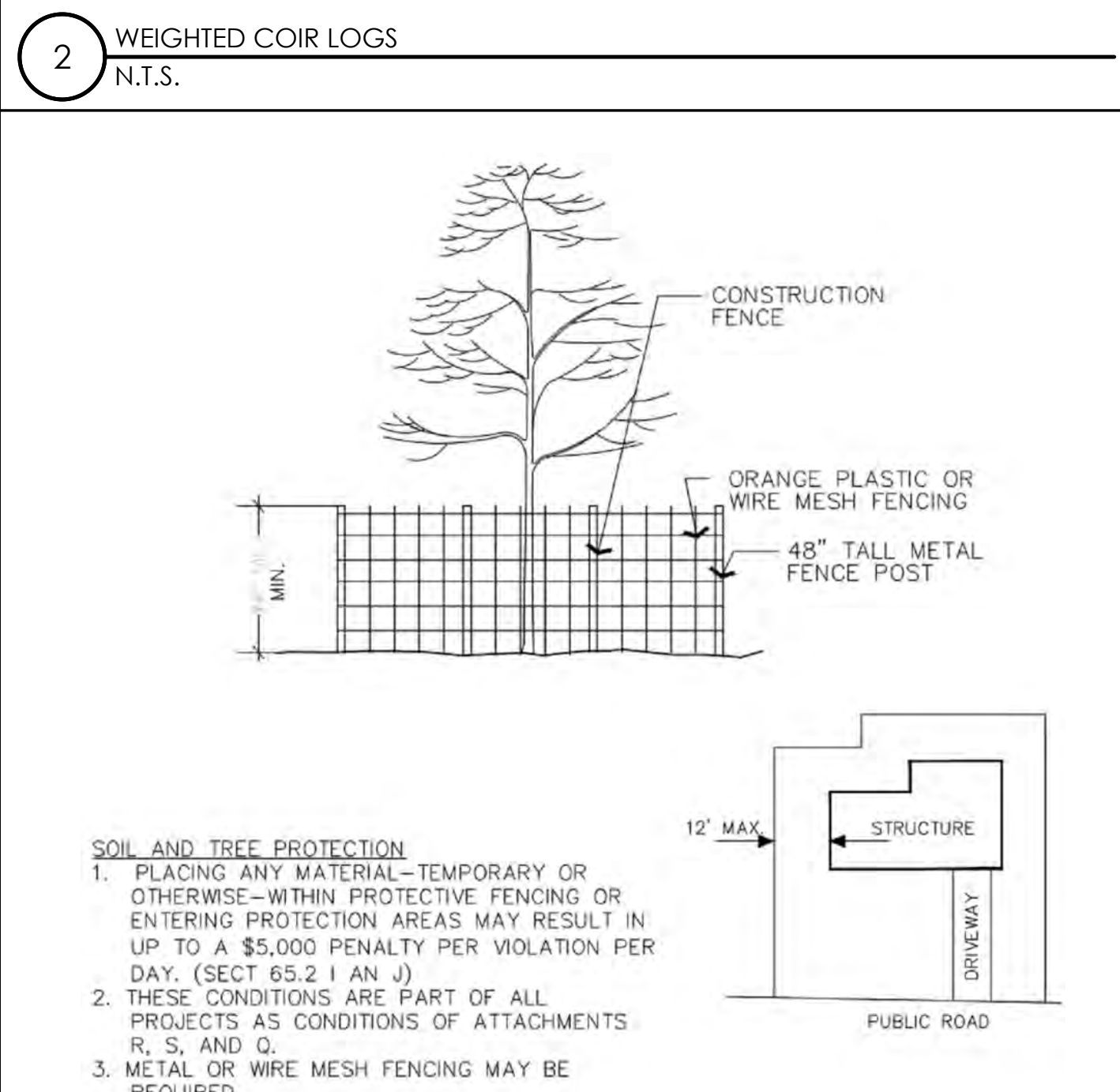
12 NOT USED
N.T.S.



9 NOT USED
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

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CHATSORTH CA, 91311

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BELLINGHAM, WA 98226

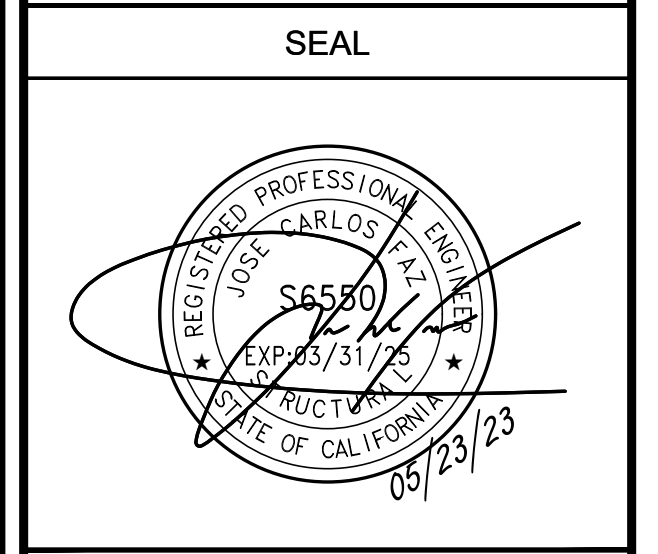
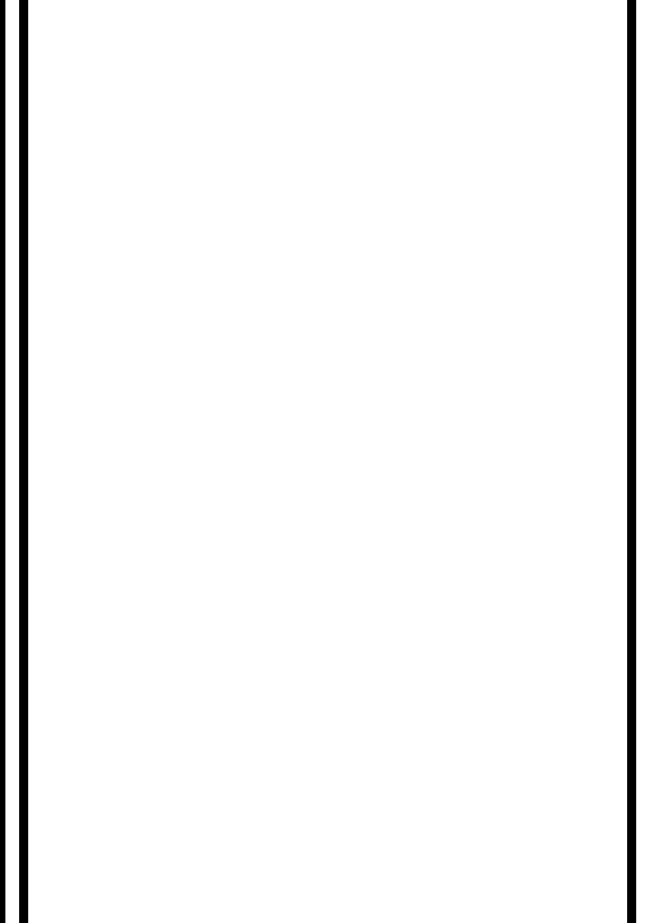
J5 INFRASTRUCTURE
PARTNERS

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058523

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SITE INFORMATION

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ST122B_A

SITE ADDRESS:
1065 SIERRA BLVD,
SOUTH LAKE TAHOE,
CA 96150

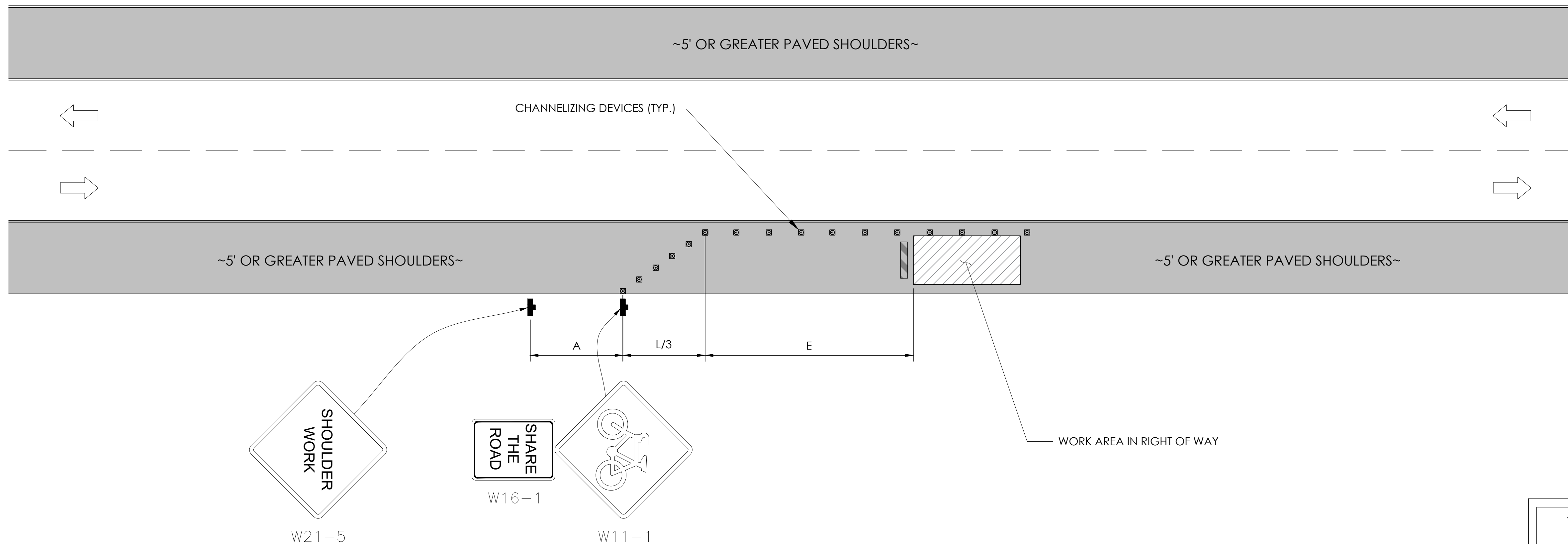
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

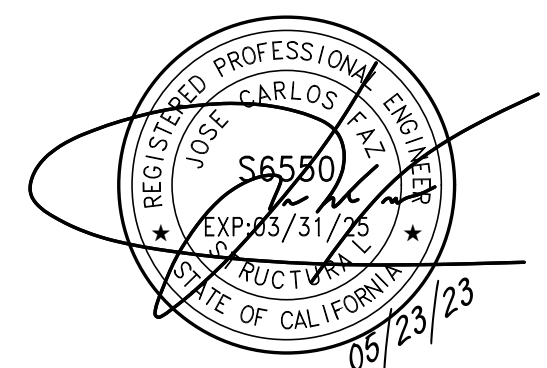
SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B)		MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					(0%)	(-3%) (-6%)			
MPH	FT	ft	ft	ft	ft		ft	ft	ft
25	100	125	65	45	(155)	(160) (135)	25	50	12
30	250	180	90	60	(200)	(205) (215)	30	60	15
35	250	245	125	85	(250)	(260) (275)	35	70	17
40	250	320	160	110	(305)	(315) (335)	40	80	20
45	350	540	270	180	(360)	(380) (400)	45	90	22
50	350	600	300	200	(425)	(450) (475)	50	100	25
55	500	660	330	220	(495)	(520) (555)	50	100	25
60	500	720	360	240	(570)	(600) (640)	50	100	25
65	500	780	390	260	(645)	(685) (730)	50	100	25

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/23	100% CD REV PER PPC#2	RD
4	10/12/23	SURVEY ADD	JDJ

SEAL



SITE INFORMATION

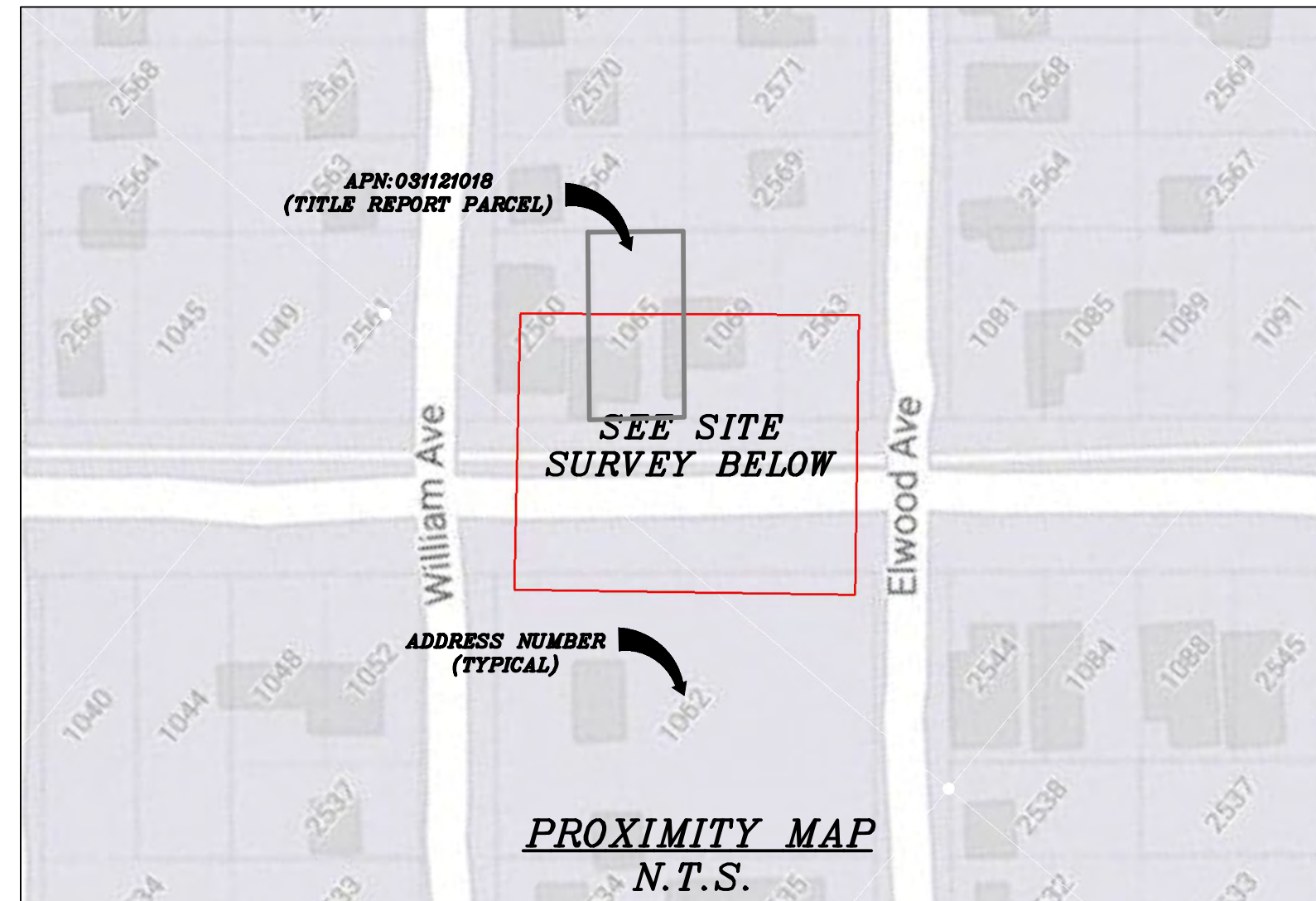
SITE ID:
ST122B_A

SITE ADDRESS:
1065 SIERRA BLVD,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

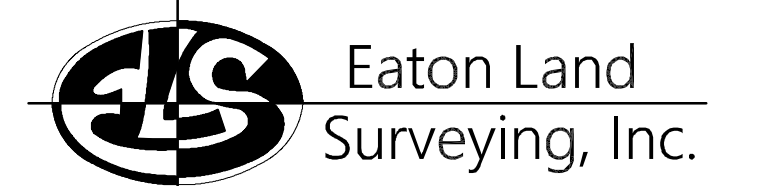
TRAFFIC CONTROL

TC1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



Eaton Land
Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/09/23	SUBMITTAL



PROJECT INFORMATION:
ST122B_A
1065 SIERRA BLVD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/27/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

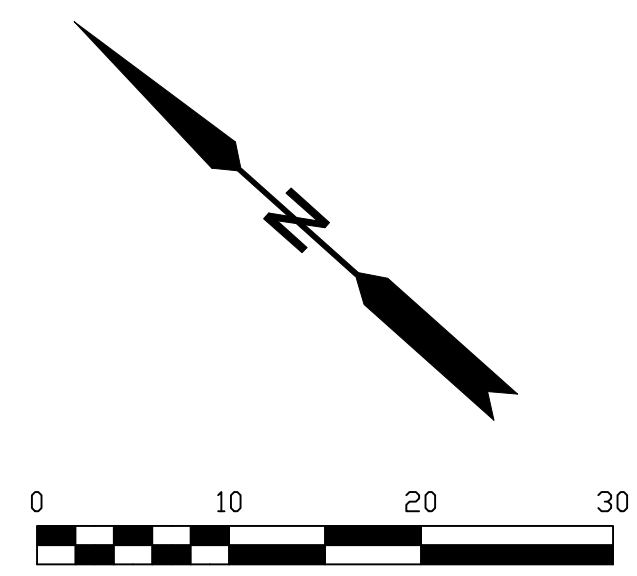
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0386F, DATED 04/03/2012.

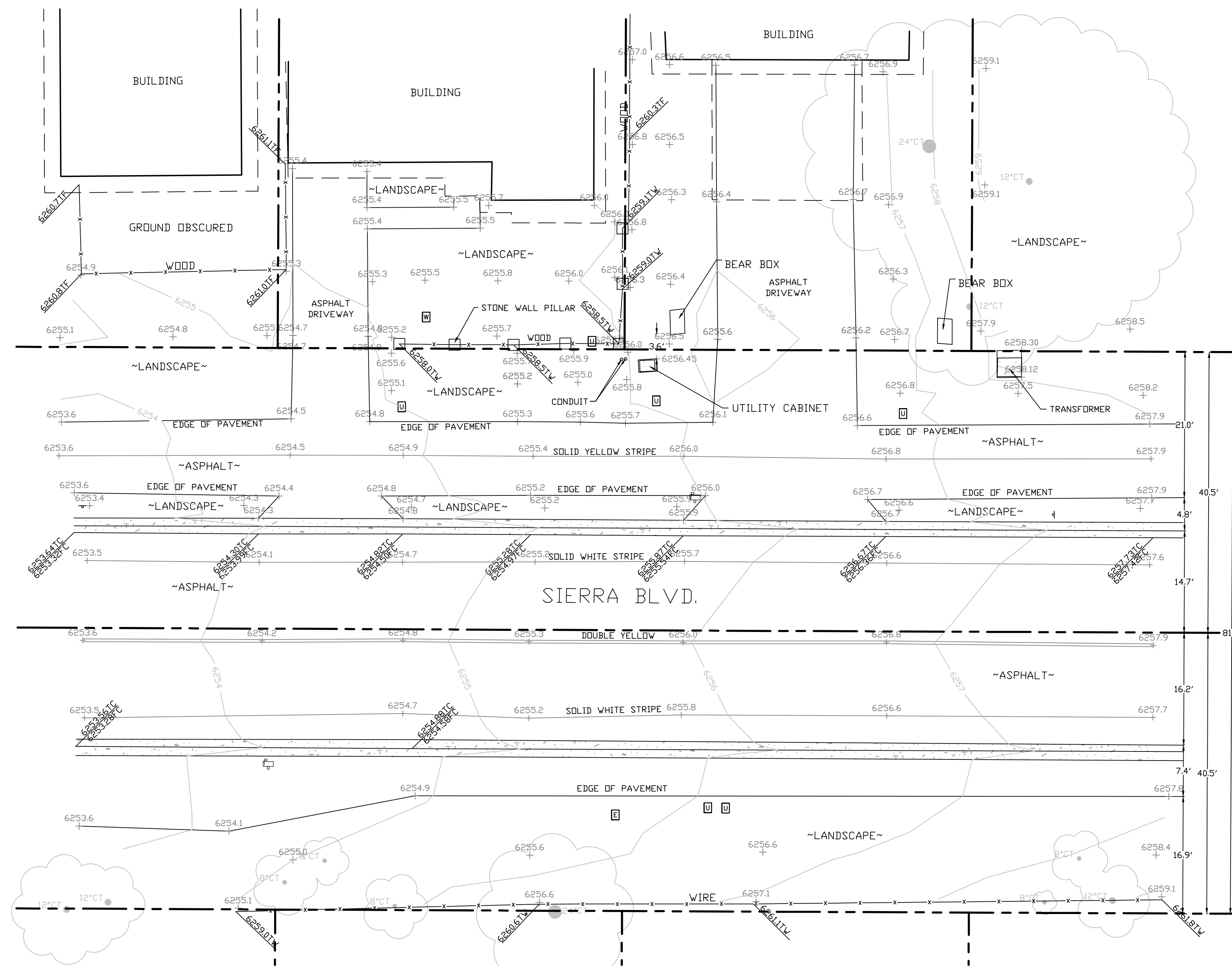
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 33 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 031-121-018-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032341 DATED 08/31/2023;



- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULL BOX ELECTRIC
 - PULL BOX TELEPHONE
 - PULL BOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX (MOVABLE)
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



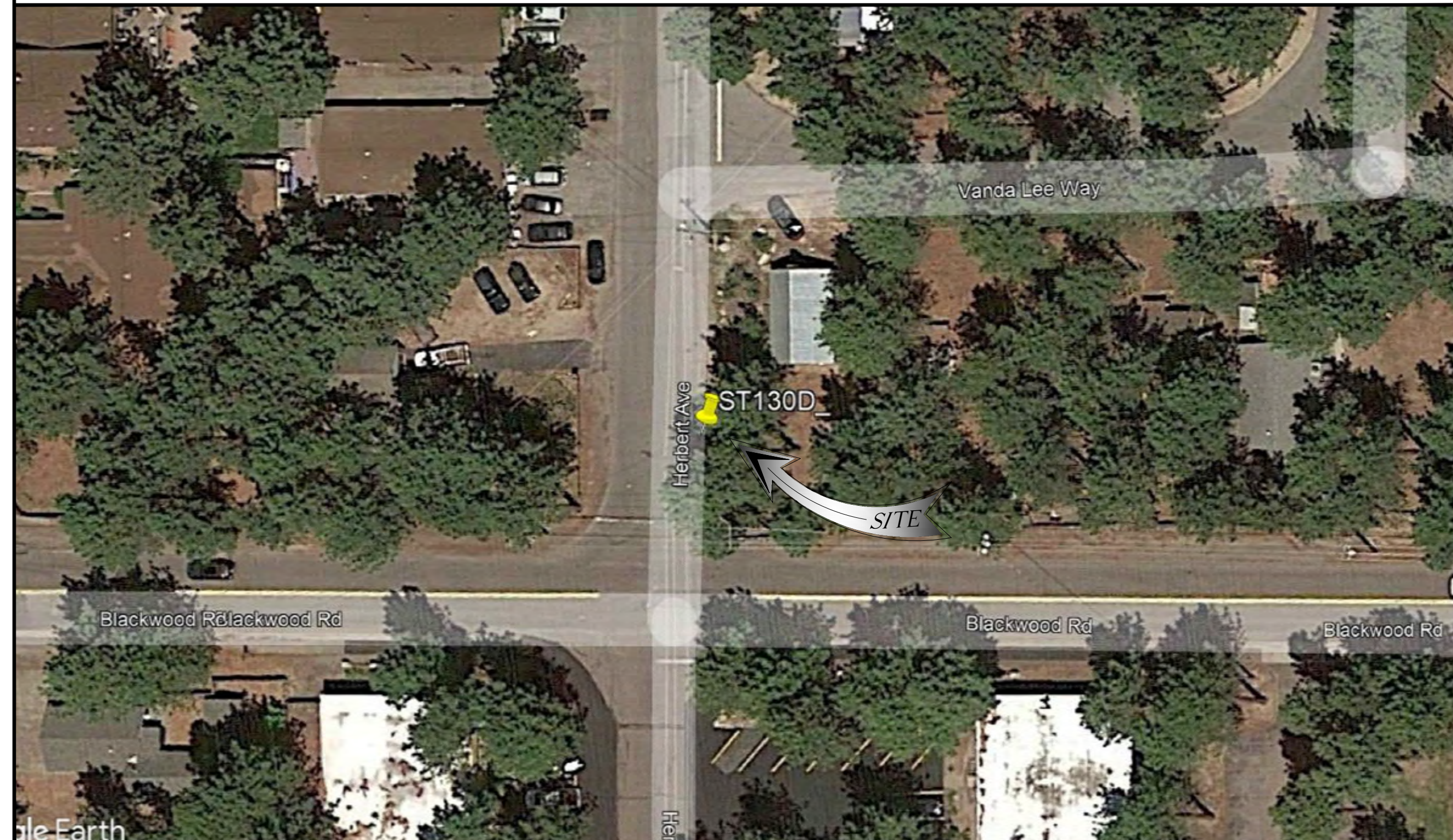
SITE SURVEY
SCALE 1"=10'



EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST130D_

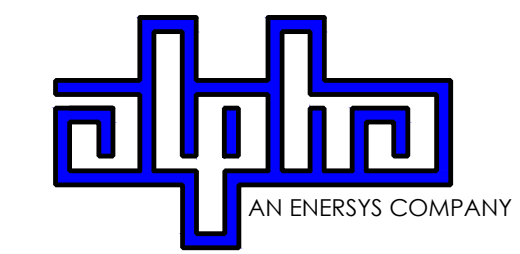
SITE ADDRESS: 1115 HERBERT AVE, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

Table with site information including address, coordinates, jurisdiction, power provider, structure type, output voltage, input voltage, amp draw, hydraulic area, coverage, and cut/fill volume.



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069699

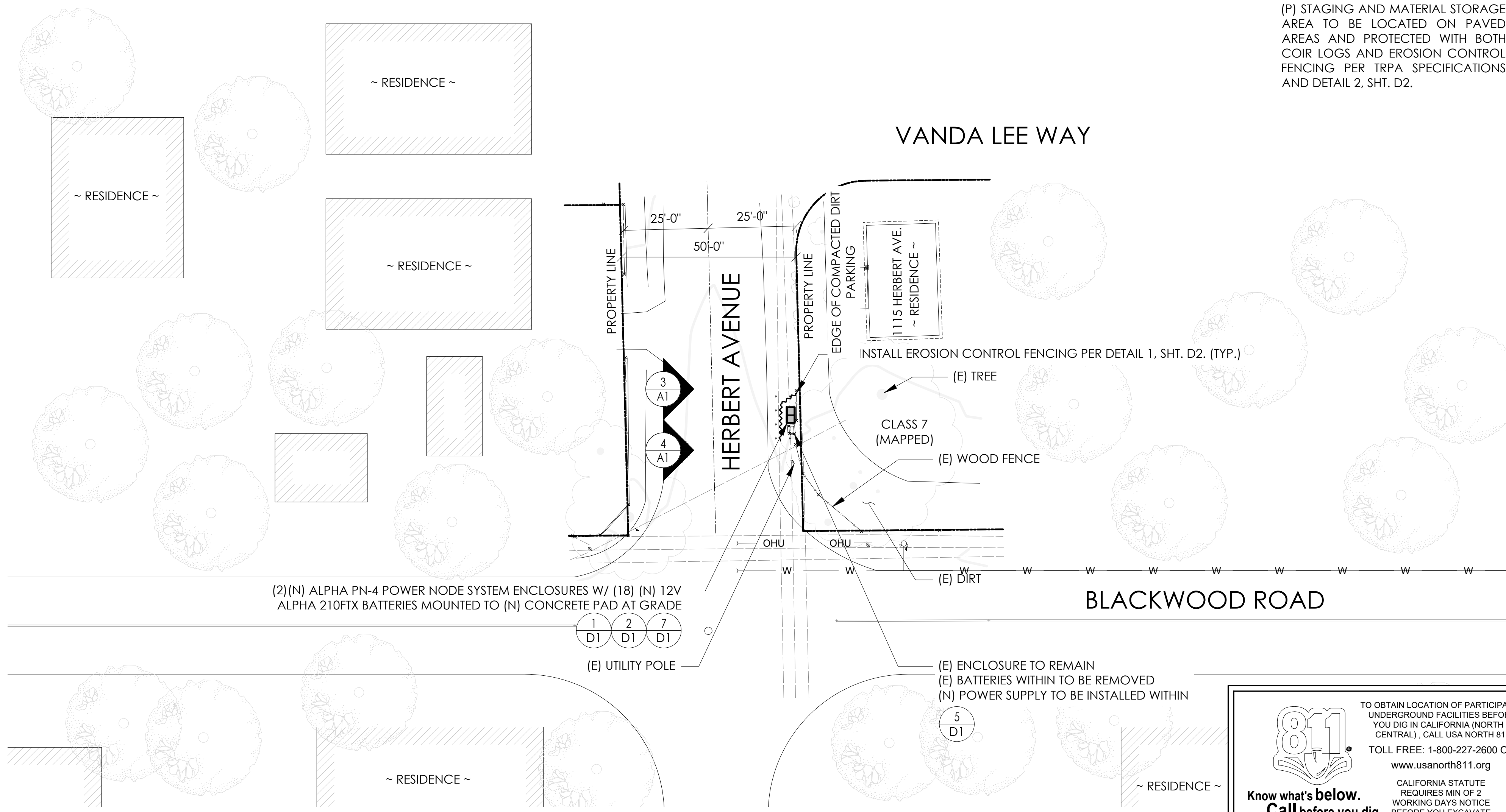
ISSUE STATUS

Table with issue status including revision number, date, description, and by.

2B SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- INSTALLATION OF (6) (N) BOLLARDS
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



DRAWING INDEX

Table with drawing index including sheet number and description.

PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
ENGINEER/ARCHITECT: J5 INFRASTRUCTURE PARTNERS
APPLICANT: ALPHA TECHNOLOGIES, INC.

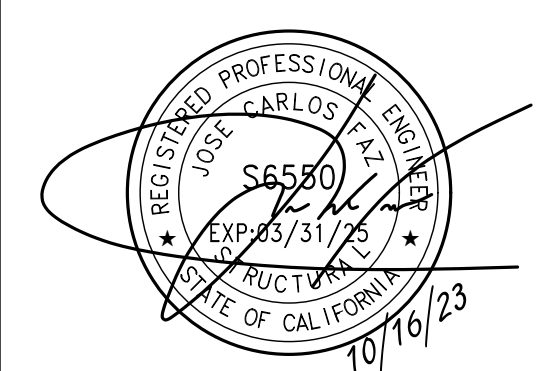
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID: ST130D_

SITE ADDRESS: 1115 HERBERT AVE, SOUTH LAKE TAHOE, CA 96150

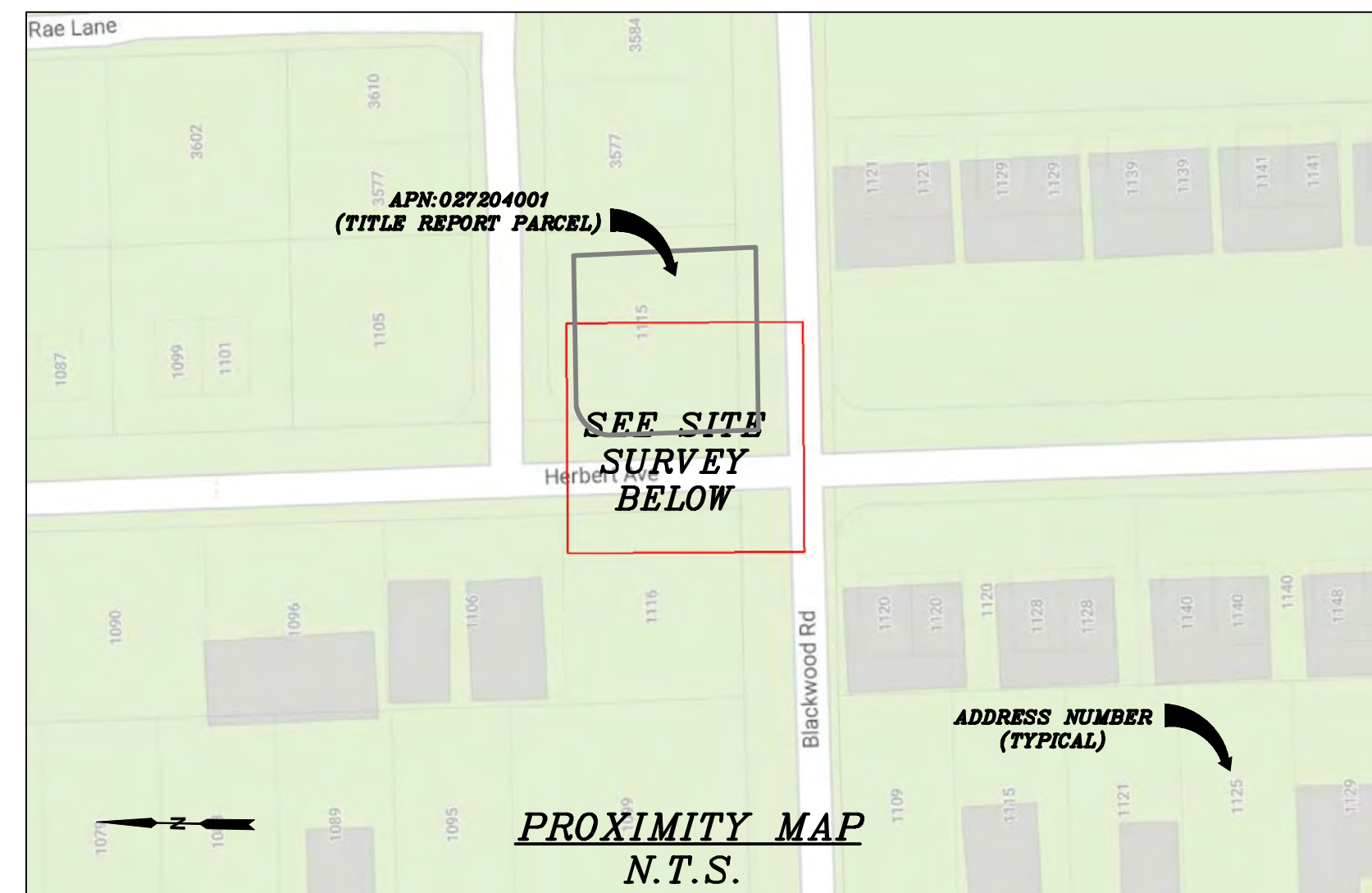
SHEET TITLE:

TITLE SHEET

T1

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"
Scale bar and north arrow.



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

 **Eaton Land Surveying, Inc.**
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/21/23	SUBMITTAL



PROJECT INFORMATION:
ST130D
1115 HERBERT AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/29/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

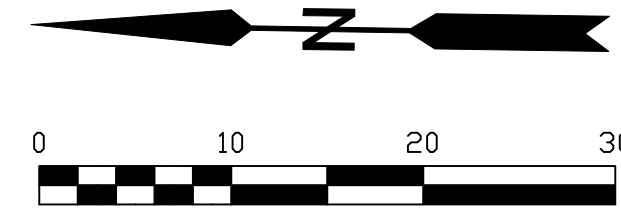
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.


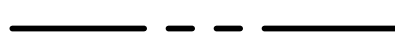
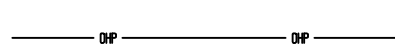
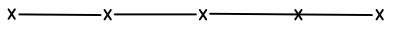
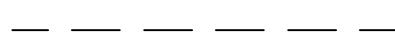




























UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

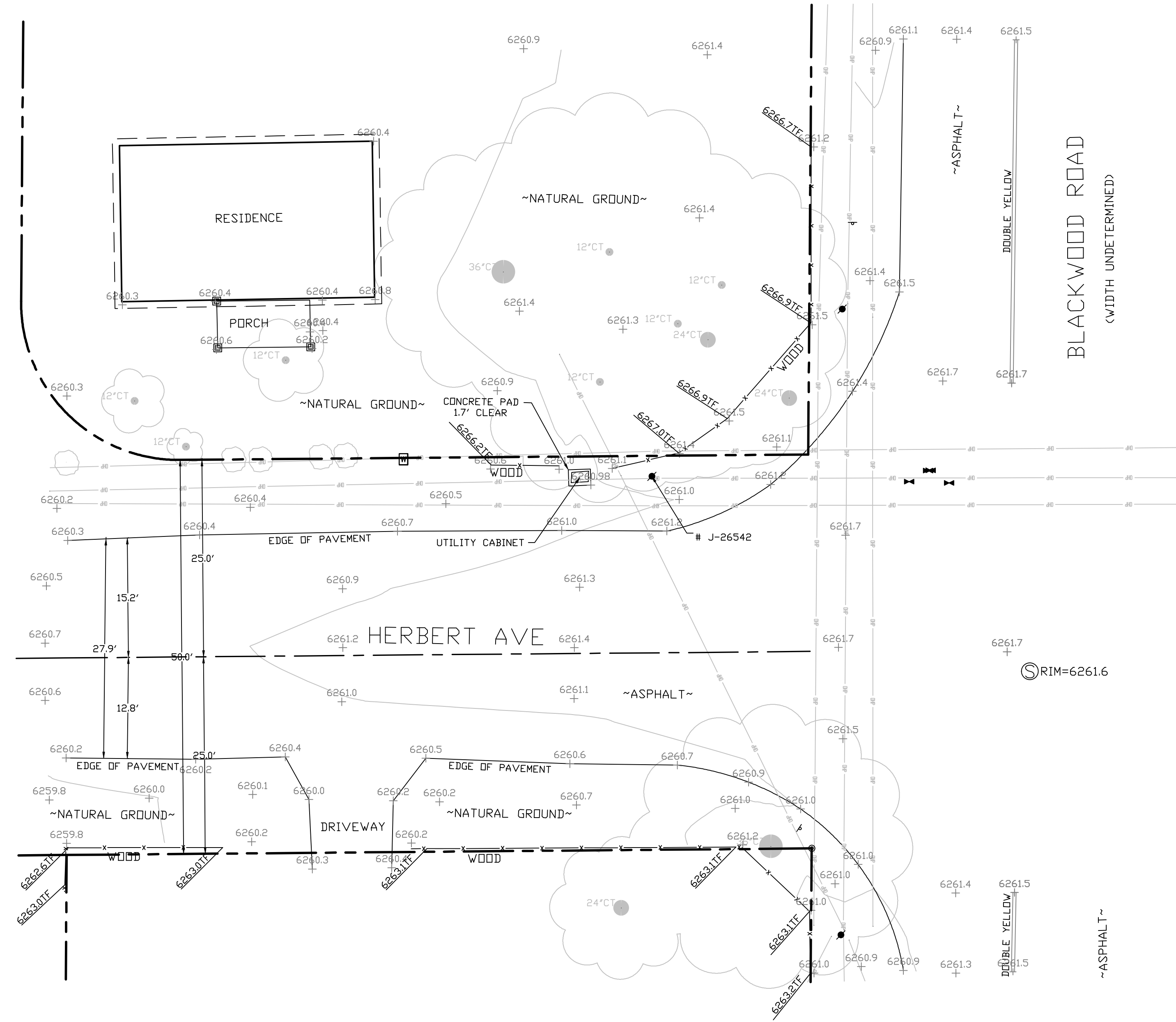
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 41 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 027-204-001-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032368 DATED 08/31/2023;



LEGEND

- These standard symbols may be found in the drawing.
-  CONCRETE
 -  PROPERTY LINE
 -  CENTER LINE
 -  OVERHEAD LINE
 -  FENCE
 -  HEADER
 -  ROOF
 -  WALL
 -  ROCK WALL
 -  PULLBOX ELECTRIC
 -  PULLBOX TELEPHONE
 -  PULLBOX COMMUNICATION
 -  WATER METER
 -  WATER VALVE
 -  POWER POLE
 -  ELEVATION GRADE
 -  GUY WIRE
 -  MAILBOX
 -  SIGN
 -  MANHOLE TELEPHONE
 -  MANHOLE SEWER
 -  RECTANGLE INLET
 -  FIRE HYDRANT
 -  ROCK
 -  SHRUB
 -  TRUNK
 -  CT CONIFEROUS TREE
 -  DT DECIDUOUS TREE
 -  TC TOP OF CURB
 -  FC FACE OF CURB
 -  TF TOP OF FENCE
 -  TW TOP OF WALL
 -  CD CURB DRAIN
 - FOUND MONUMENT

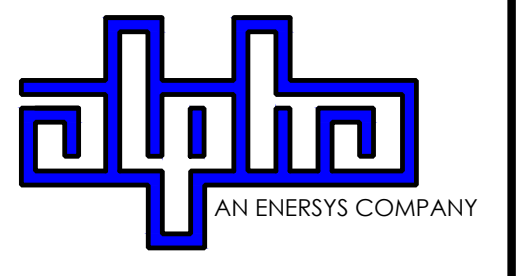


SITE SURVEY
SCALE 1"=10'





9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



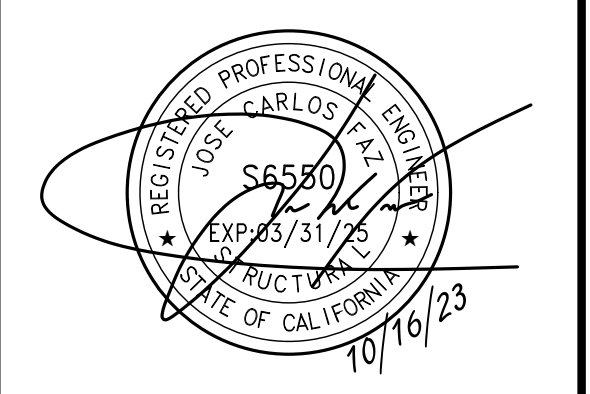
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069699

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/22/23	REVISED 100% CD	BH

SEAL



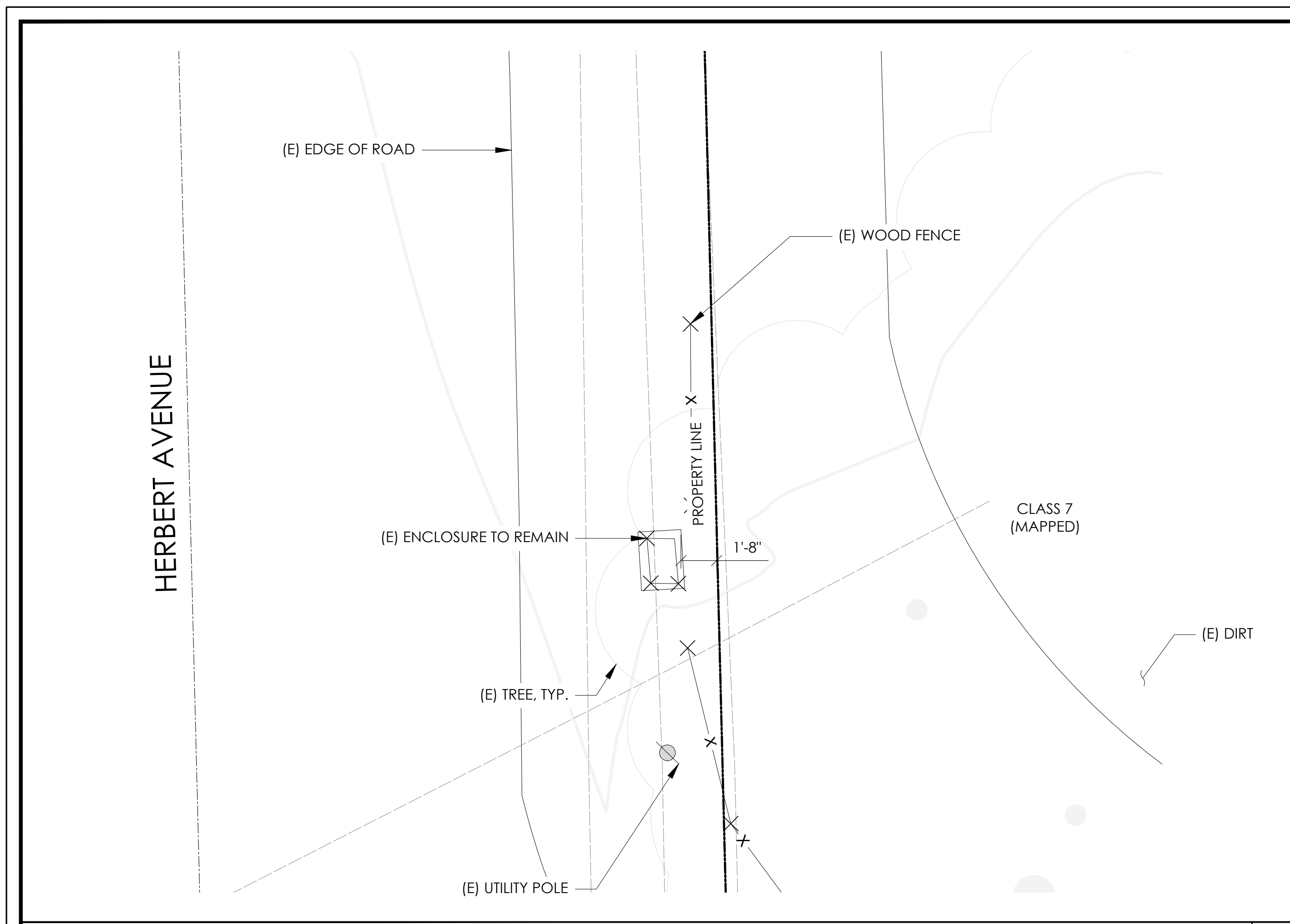
SITE INFORMATION

SITE ID:
ST130D_

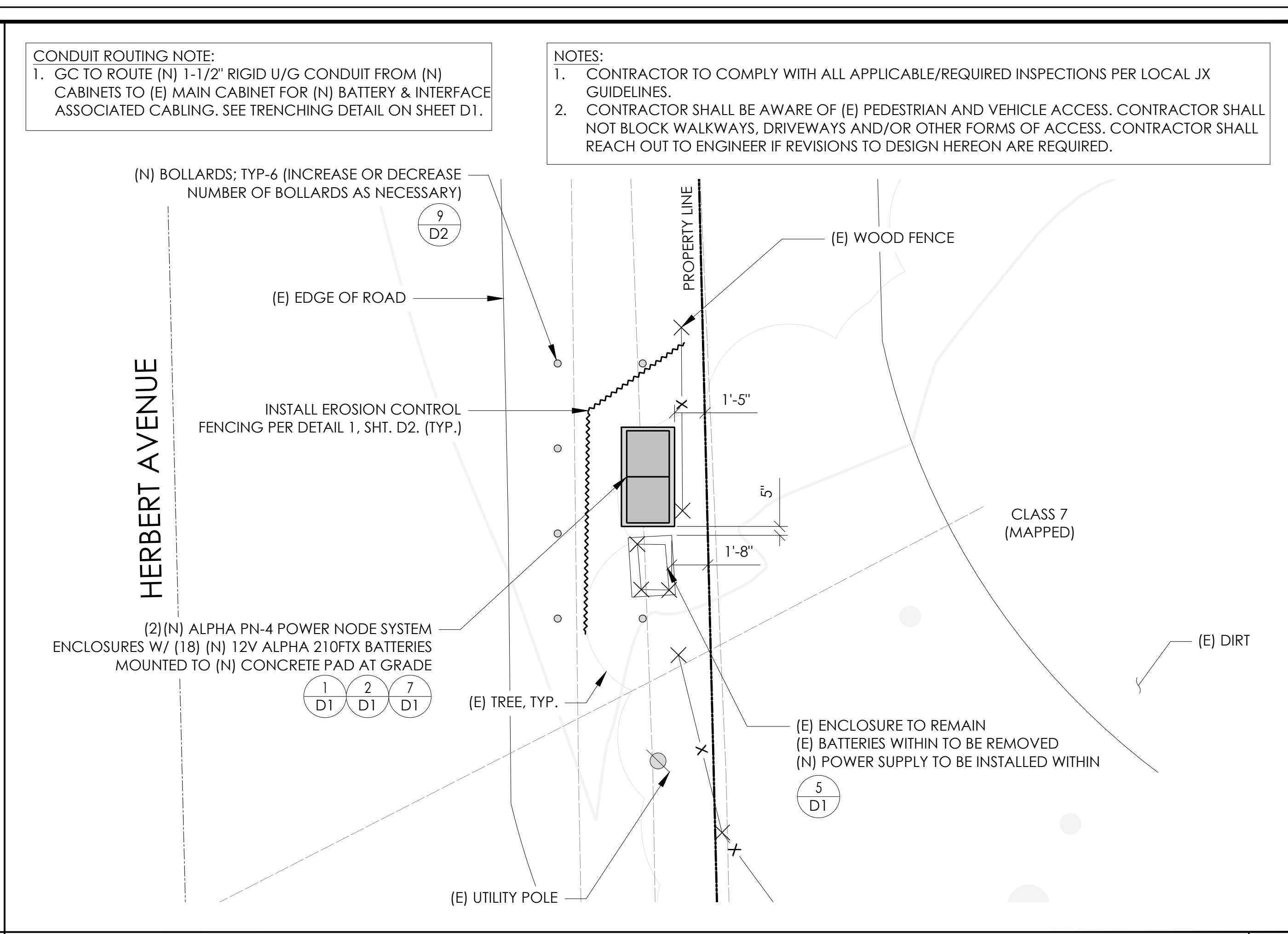
SITE ADDRESS:
1115 HERBERT AVE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
ENLARGED SITE PLANS
AND ELEVATIONS

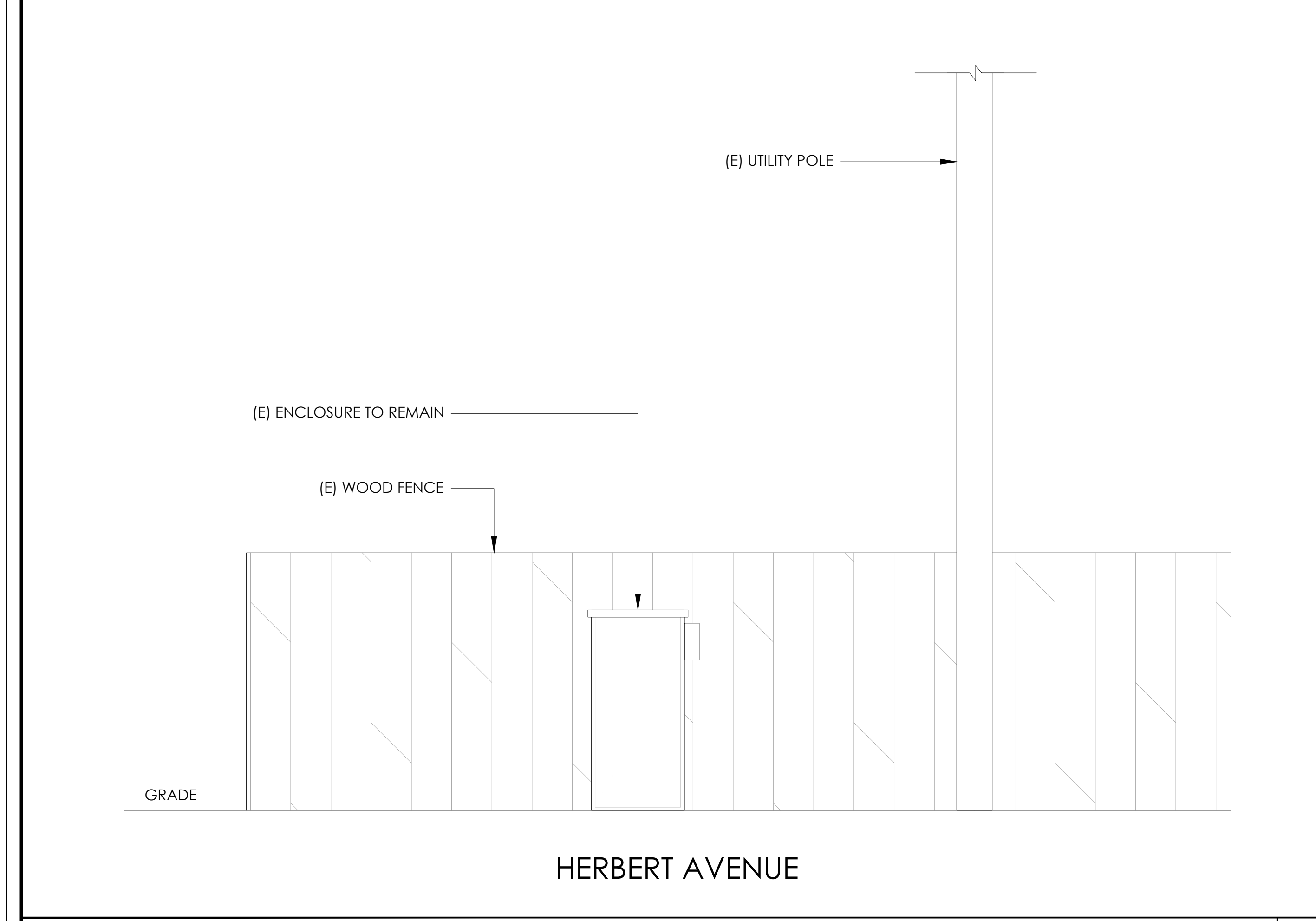
A1



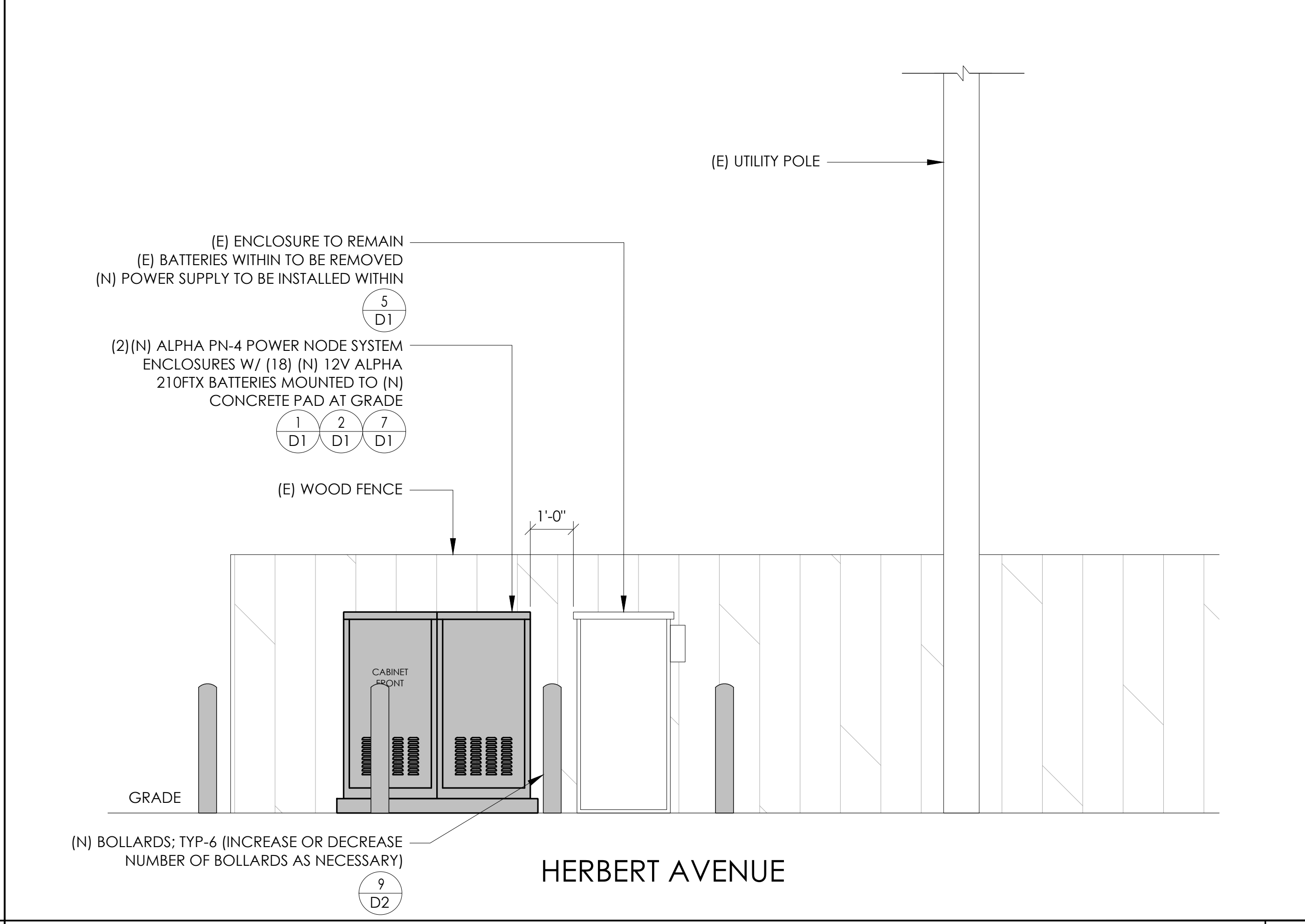
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' 1



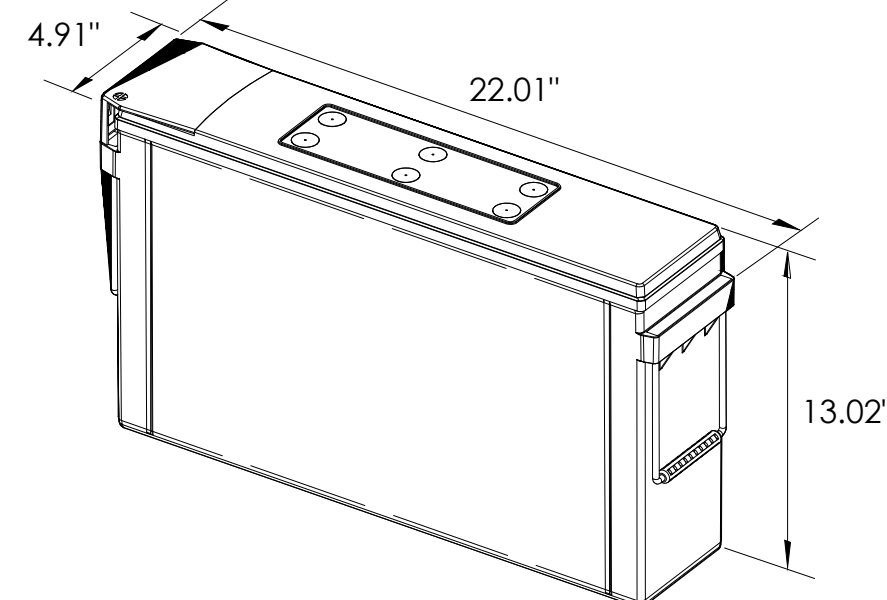
EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 4



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 3



ALPHA
210 FX BATTERY UNIT

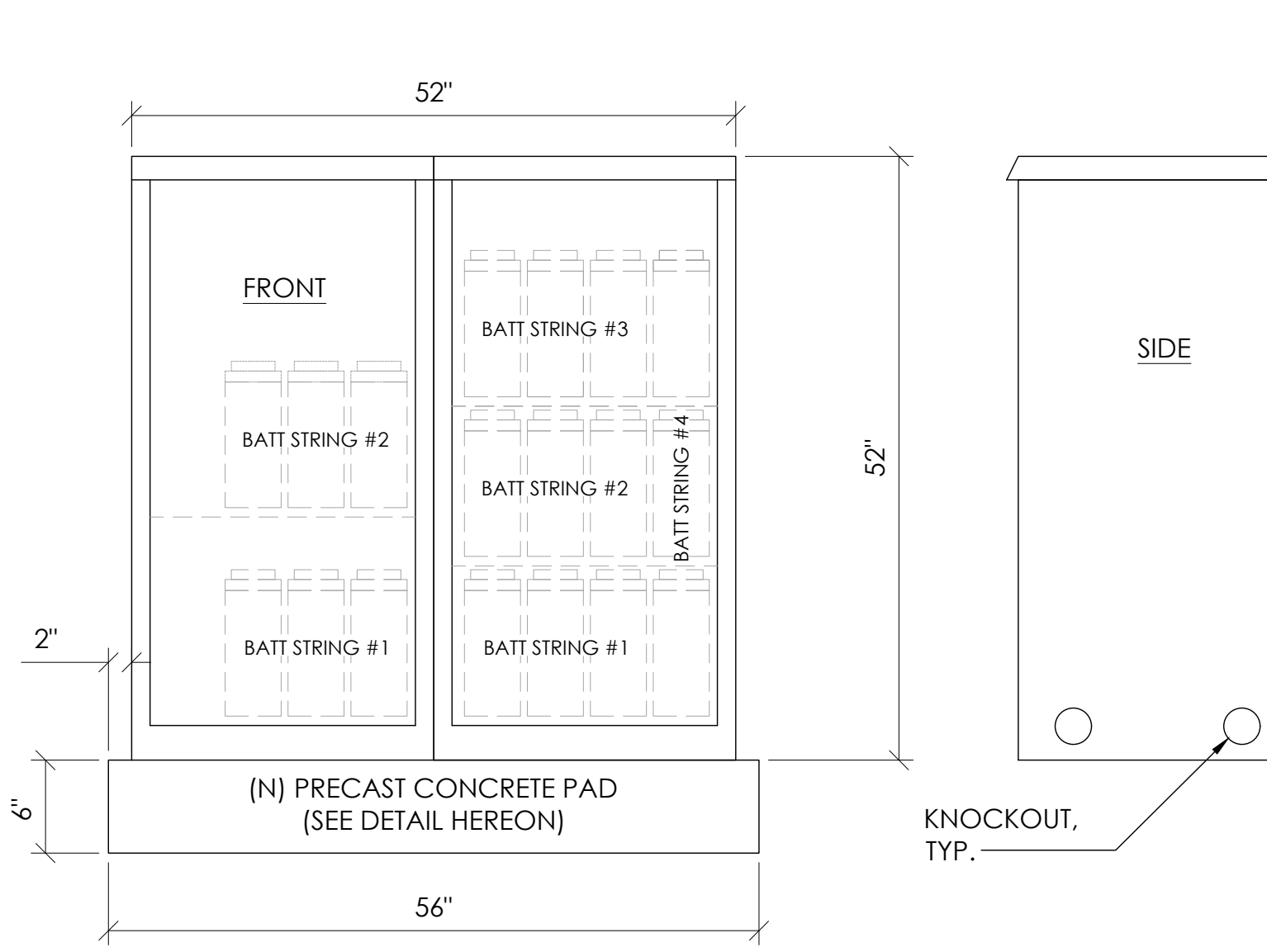


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

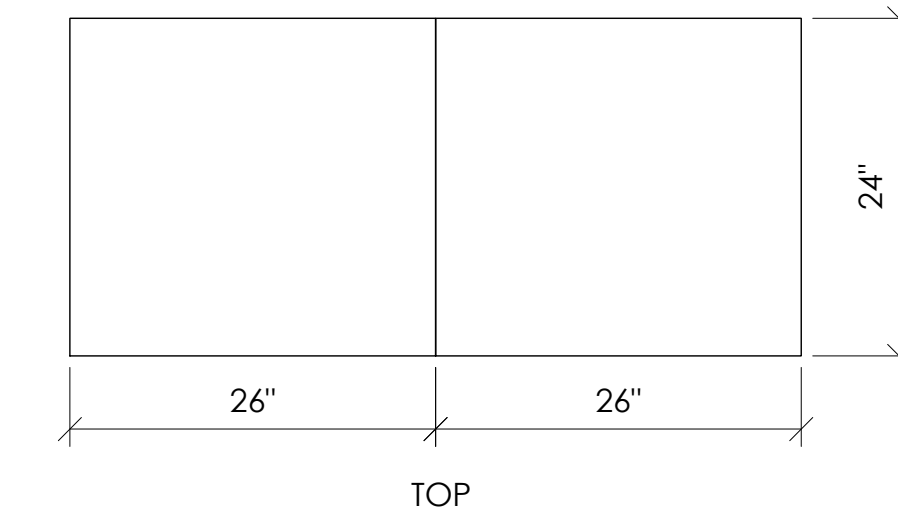
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

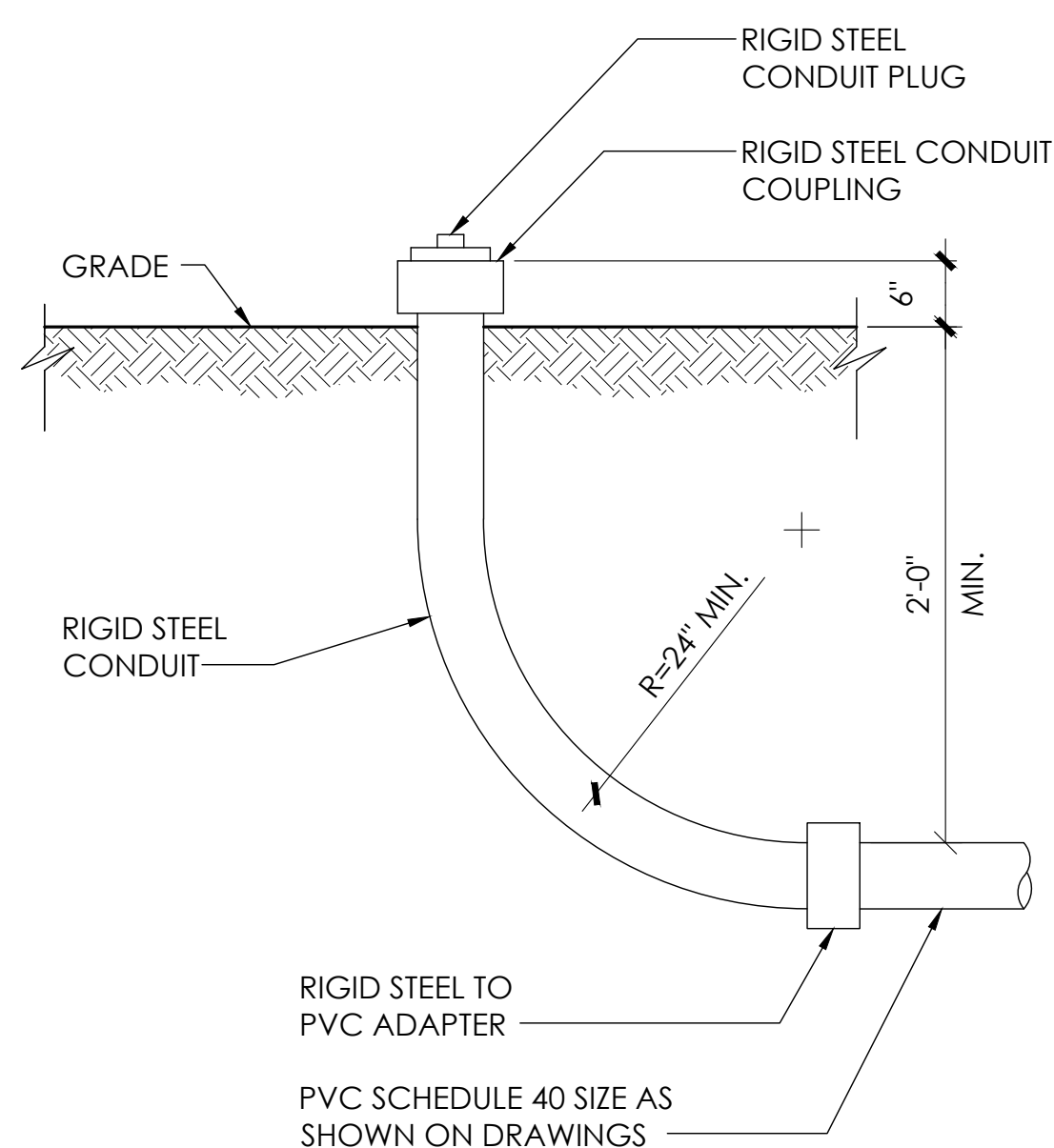


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	
CABINET #1:	(4) BATTERY STRINGS
CABINET #2:	(2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

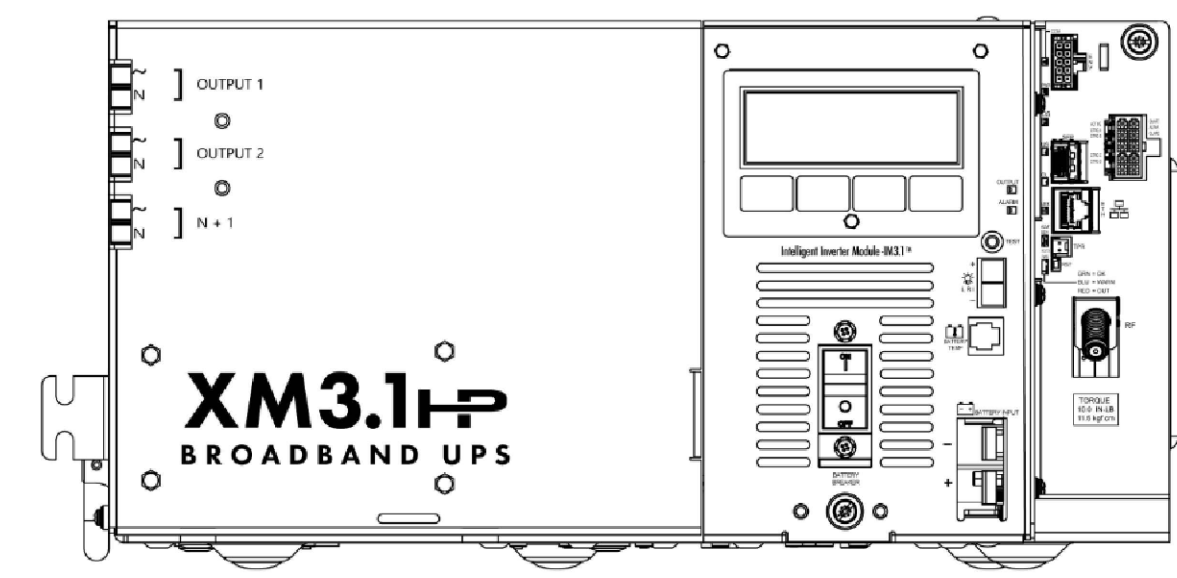


8 STUB-UP DETAIL
N.T.S.

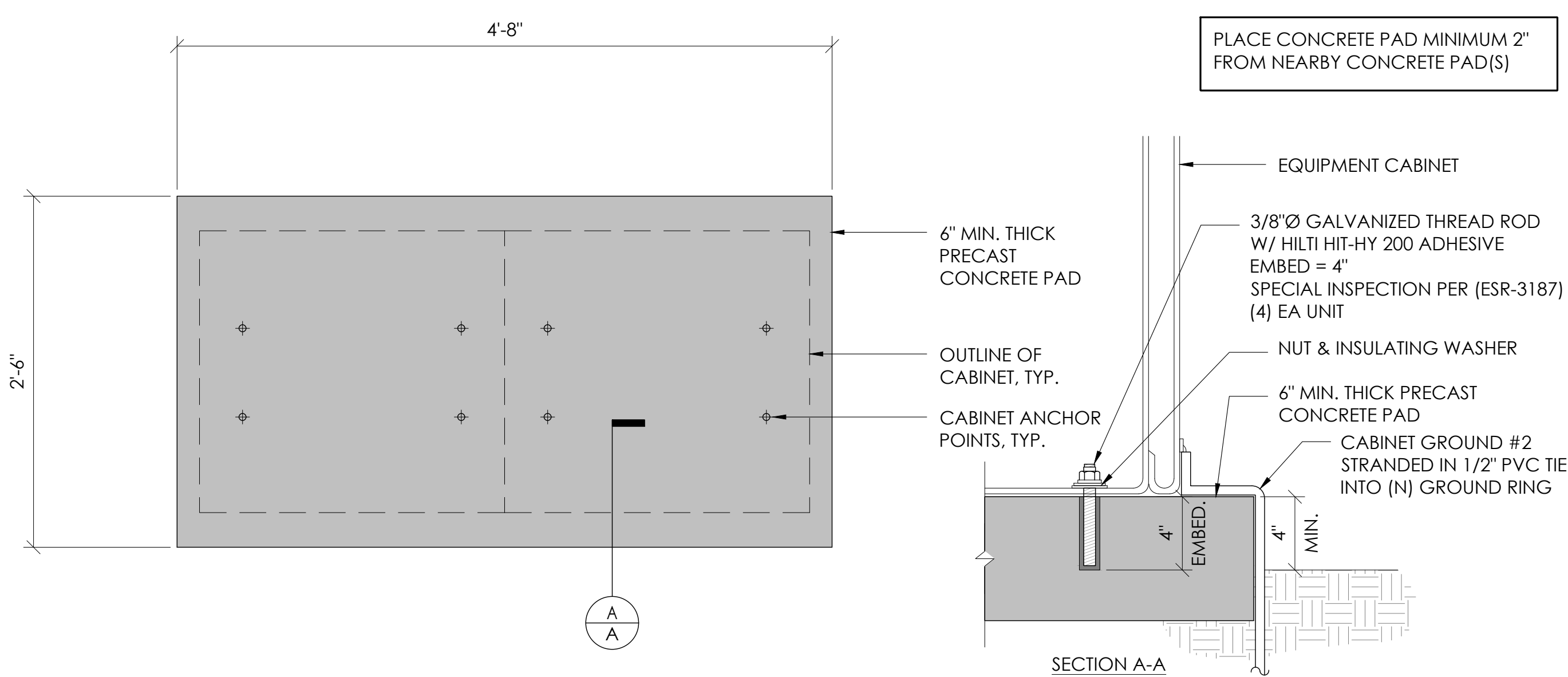
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

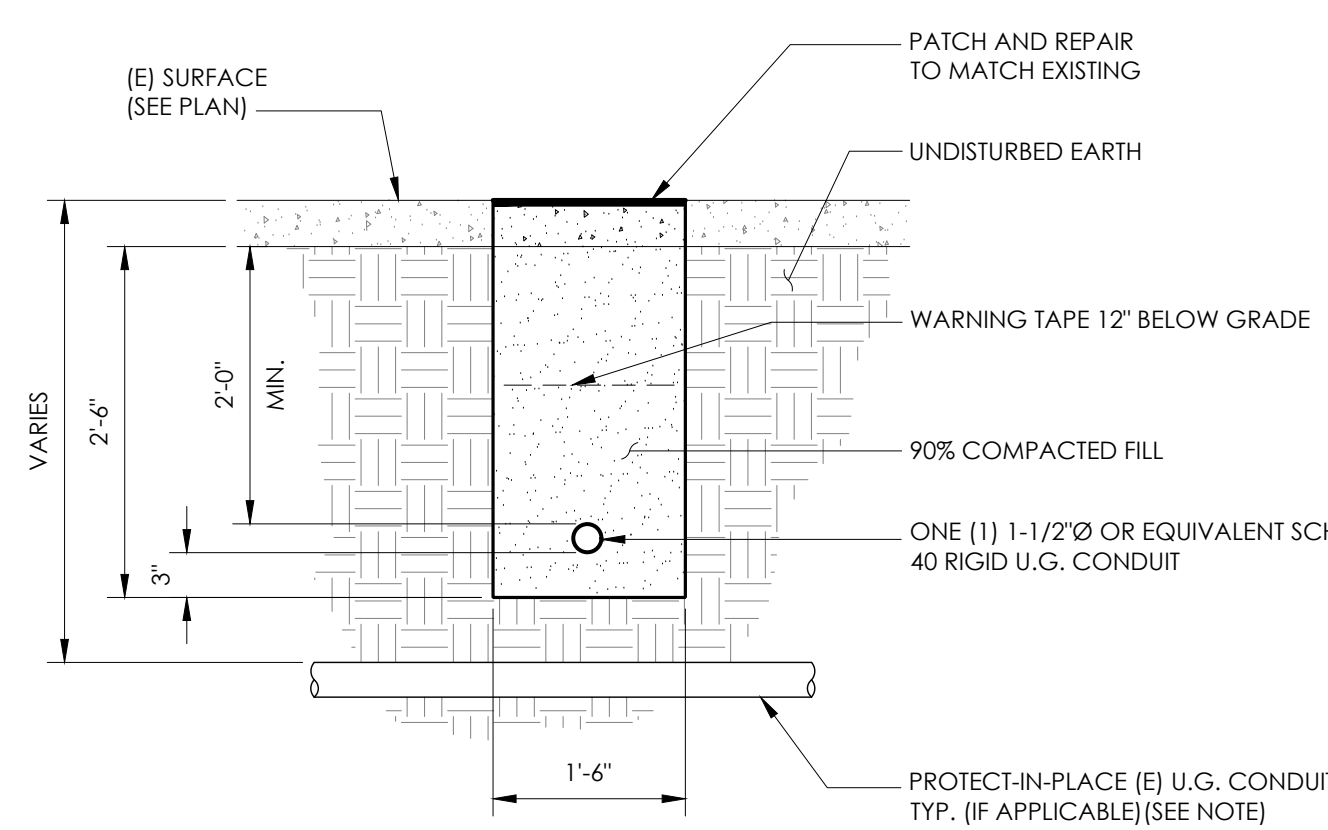


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

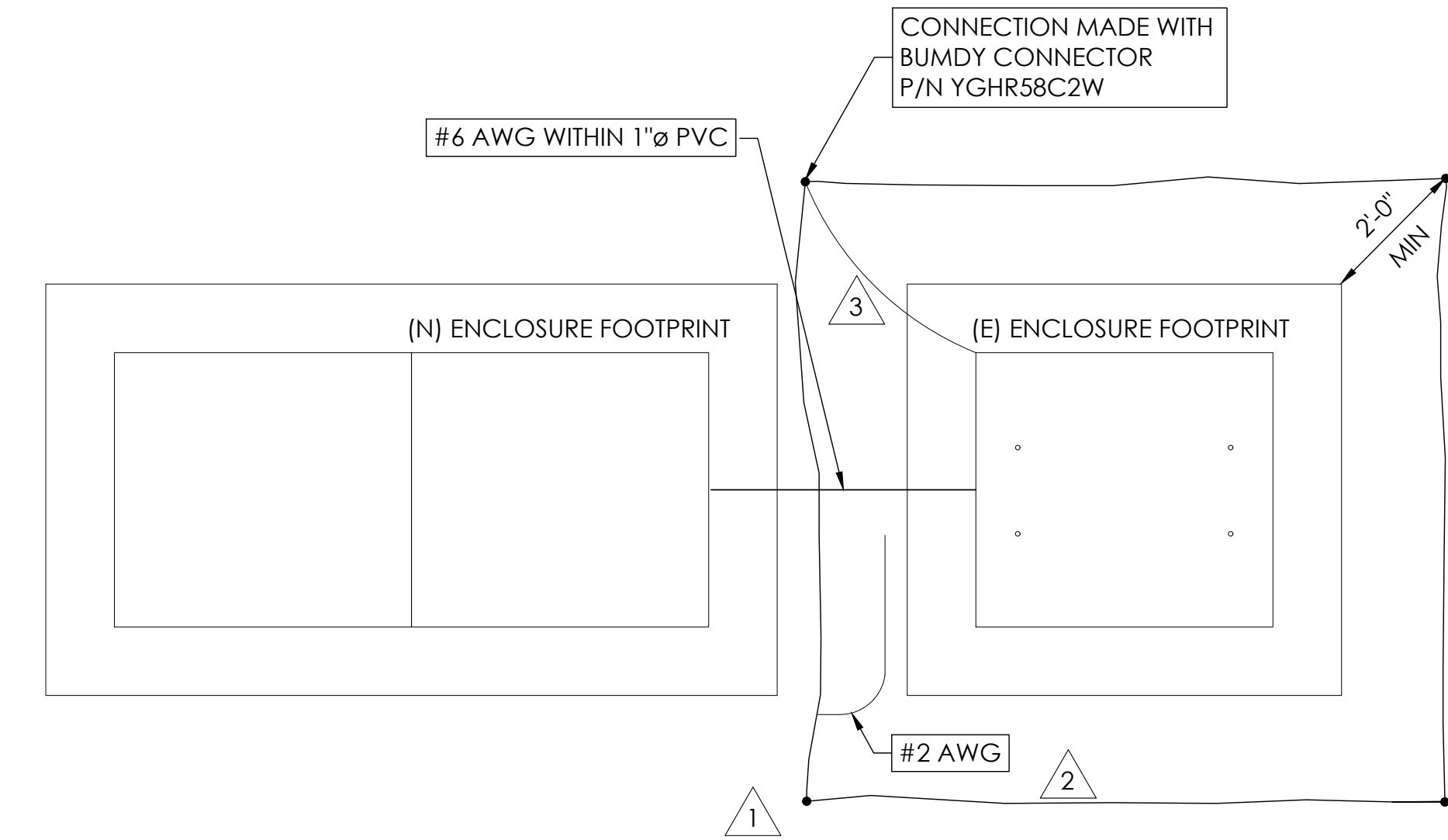
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)

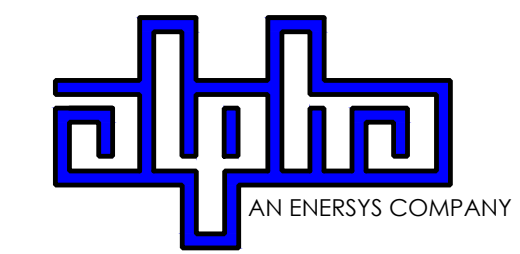
- #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND. INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



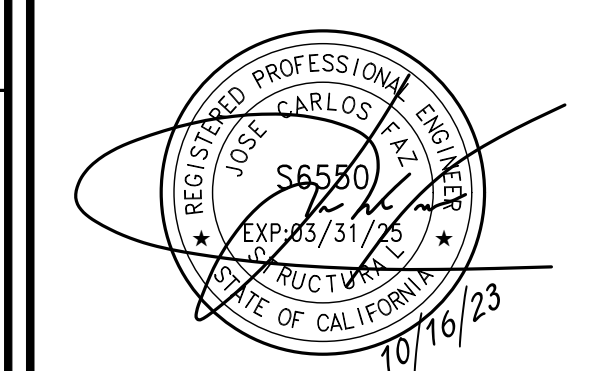
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069699

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/22/23	REVISED 100% CD	BH

SEAL



SITE INFORMATION

SITE ID:
ST130D_

SITE ADDRESS:
1115 HERBERT AVE,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

NON-WOVEN FILTER FABRIC SET UNDER DRAIN INLET

GRAVEL BAG WEIGHTS AT ENDS AND 3' O.C.

CURB INLET

NON-WOVEN FILTER FABRIC SET UNDER DRAIN INLET

WEIGHTED FIBER ROLL OR FIBER ROLL WITH GRAVEL BAGS AS WEIGHTS

6" (MIN) OVERLAP

SHEET FLOW INLET

WEIGHTED FIBER ROLL OR FIBER ROLL WITH GRAVEL BAGS AS WEIGHTS

NON-WOVEN FILTER FABRIC SET UNDER DRAIN INLET

6" (MIN) OVERLAP

DRAINAGE DITCH INLET

NOTES:

- FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
- GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
- INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
- SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
- IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
- REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.

NONWOVEN FILTER FABRIC PROPEX 455J 8oz. OR FIBERTEX GRADE 300, OR APPROVED EQUAL

DRAPE FILTER FABRIC OVER FENCE AND FASTEN WITH WIRES

AFFIX WELDED WIRE FABRIC TO POSTS

FLOW

BURY TOE OF FILTER FABRIC IN TRENCH ON UP SLOPE SIDE

PLACE FENCE POSTS ON CONTOUR AT 3' O.C.

1 EROSION CONTROL FENCING
N.T.S.

NOTE: FILTER FABRIC FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO MITIGATE THE EFFECTS OF EROSION, AND REMOVED UPON COMPLETION OF THE PROJECT.

11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

12" FIBER OR COIR ROLL (WEIGHTED)

FINISHED GRADE

PAVEMENT

WEIGHT

NOTE: ALIGN FIBER ROLL ALONG CONTOURS

2 WEIGHTED COIR LOGS
N.T.S.

12 NOT USED
N.T.S.

9 BOLLARD DETAIL
N.T.S.

3/4" TROWELED CROWN

4" STEEL PIPE BOLLARD FILLED WITH CONC. (PAINTED HAZARD YELLOW)

REMOVE (E) PAVING AND PATCH AS RQRD.

(E) PAVING OR FINISH GRADE

CONCRETE BASE, FLUSH WITH (E) FIN. SURFACE/GRADE

UNDISTURBED NATIVE SOIL

4' MIN.

3'-0"

3'-0"

3'-0"

3'-0"

3'-0"

15" MIN.

6"

(N) BOLLARDS; TYP-6 (INCREASE OR DECREASE NUMBER OF BOLLARDS AS NECESSARY)

CONSTRUCTION FENCE

ORANGE PLASTIC OR WIRE MESH FENCING

48" TALL METAL FENCE POST

12' MAX.

STRUCTURE

DRIVEWAY

PUBLIC ROAD

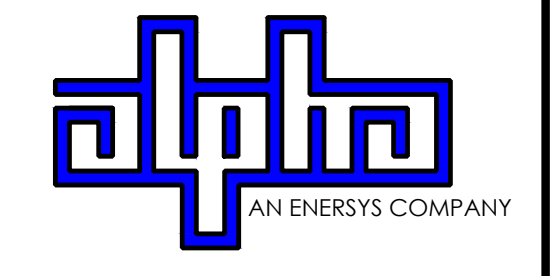
SOIL AND TREE PROTECTION

- PLACING ANY MATERIAL—TEMPORARY OR OTHERWISE—WITHIN PROTECTIVE FENCING OR ENTERING PROTECTION AREAS MAY RESULT IN UP TO A \$5,000 PENALTY PER VIOLATION PER DAY. (SECT 65.2 I AN J)
- THESE CONDITIONS ARE PART OF ALL PROJECTS AS CONDITIONS OF ATTACHMENTS R, S, AND Q.
- METAL OR WIRE MESH FENCING MAY BE REQUIRED.

3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

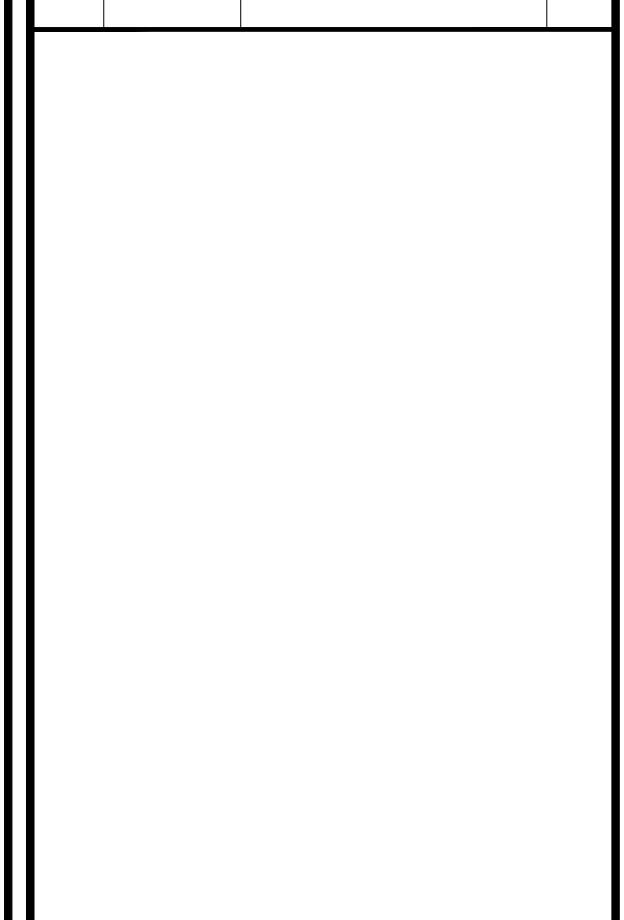


23 MAUCHLY, STE 110
IRVINE, CA 92618

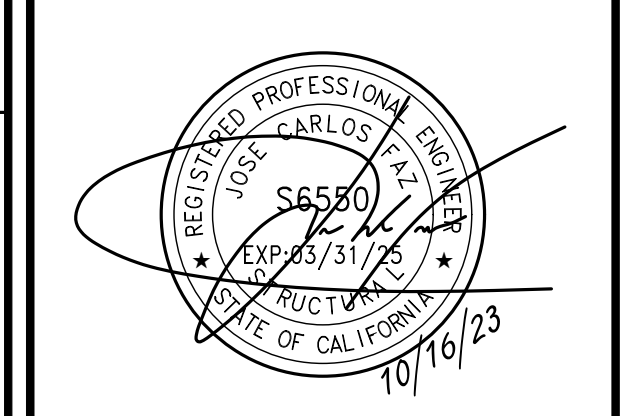
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069699

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/26/23	100% CD REV PER PCC#1	JG
4	09/22/23	REVISED 100% CD	BH



SEAL



SITE INFORMATION

SITE ID:
ST130D_

SITE ADDRESS:
1115 HERBERT AVE,
SOUTH LAKE TAHOE,
CA 96150

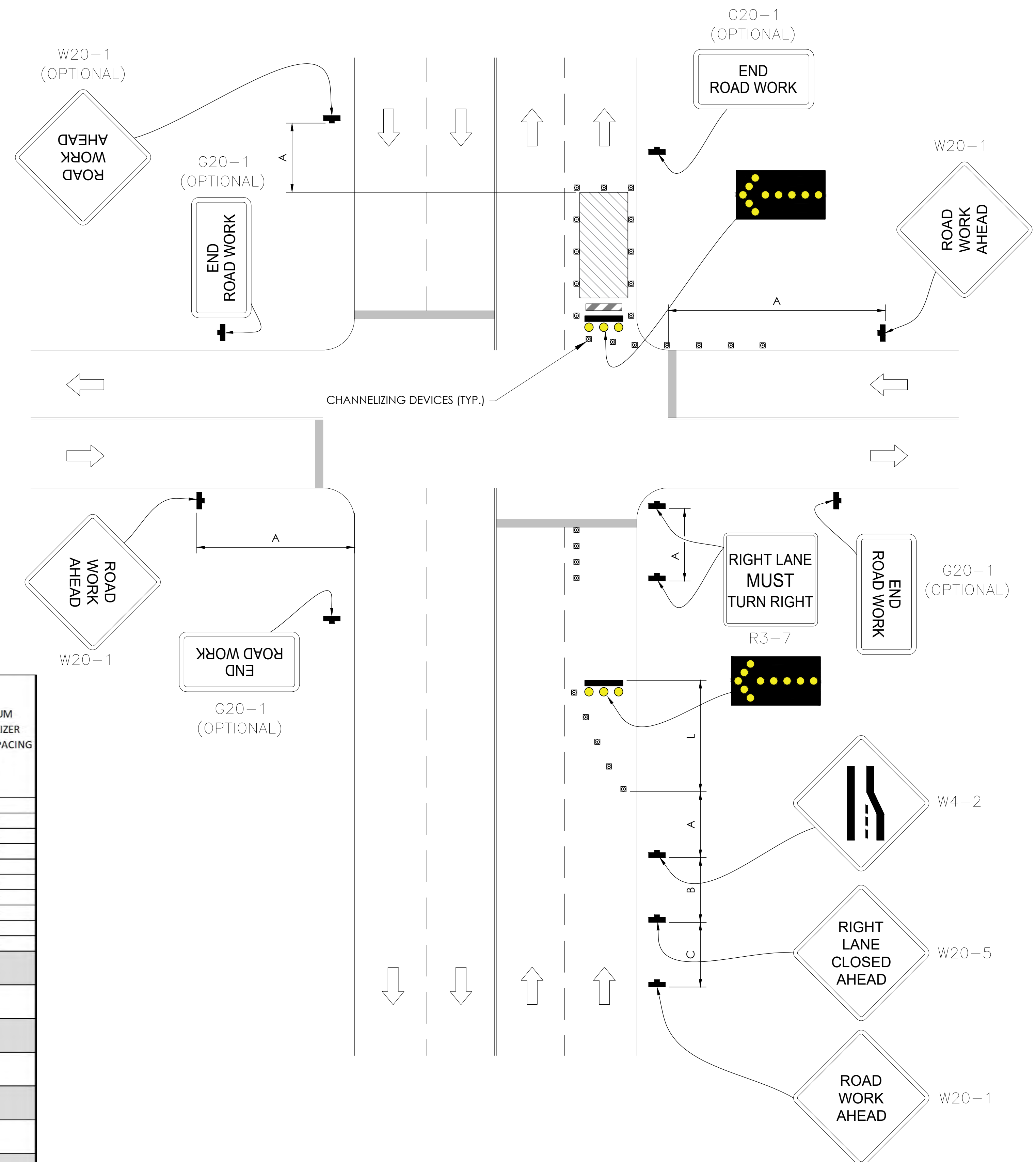
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR ARTERIAL RIGHT HAND LANE CLOSURE ON FAR SIDE OF INTERSECTION

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
7:00AM - 3:30PM



GENERAL NOTES:

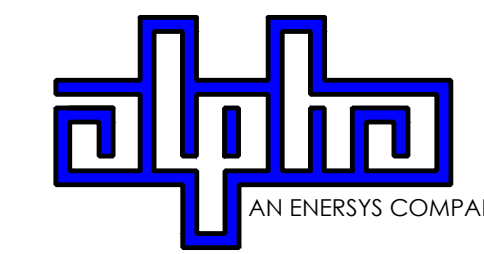
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE.
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGING TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B)		MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					(0%) (-3%) (-6%)	(ft)			
25	100	125	65	45	(155) (160) (135)	ft	25	50	12
30	250	180	90	60	(200) (205) (215)	ft	30	60	15
35	250	245	125	85	(250) (260) (275)	ft	35	70	17
40	250	320	160	110	(305) (315) (335)	ft	40	80	20
45	350	540	270	180	(360) (380) (400)	ft	45	90	22
50	350	600	300	200	(425) (450) (475)	ft	50	100	25
55	500	660	330	220	(495) (520) (555)	ft	50	100	25
60	500	720	360	240	(570) (600) (640)	ft	50	100	25
65	500	780	390	260	(645) (685) (730)	ft	50	100	25

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069699

ISSUE STATUS			
REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/22/23	REVISED 100% CD	BH

SEAL

SITE INFORMATION

**SITE ID:
ST130D_**

SITE ADDRESS:
1115 HERBERT AVE,
SOUTH LAKE TAHOE,
CA 96150

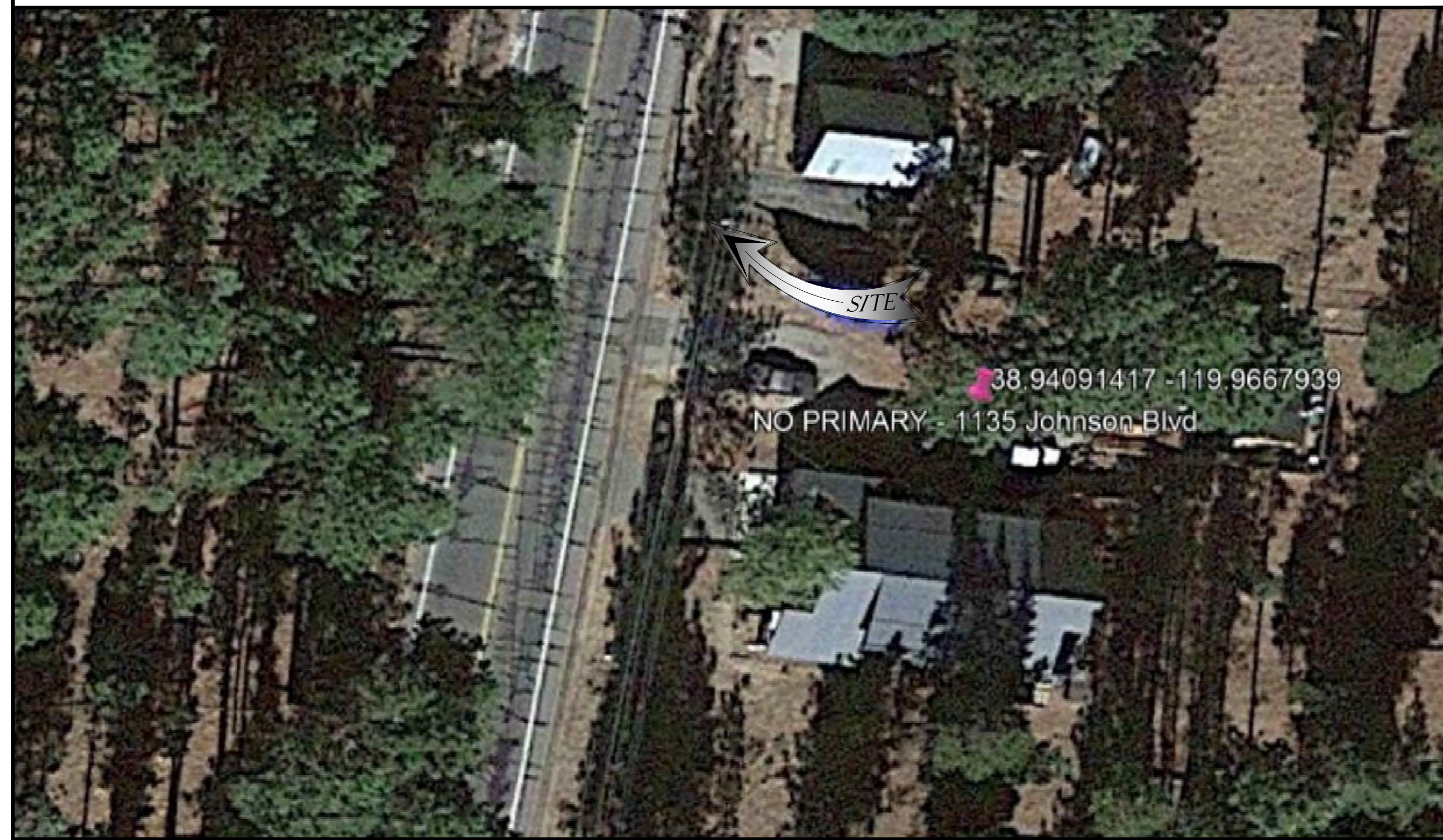
SHEET TITLE:
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST118A_

SITE ADDRESS: 1135 JOHNSON BLVD, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

Table with site information including address, coordinates, jurisdiction, power provider, structure type, output voltage, input voltage, amp draw, hydraulic related area, coverage, and cut/fill volume.

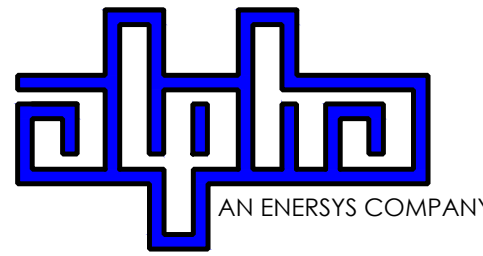
2Li SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
INSTALLATION OF (24) (N) LITHIUM LI BATTERIES
INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

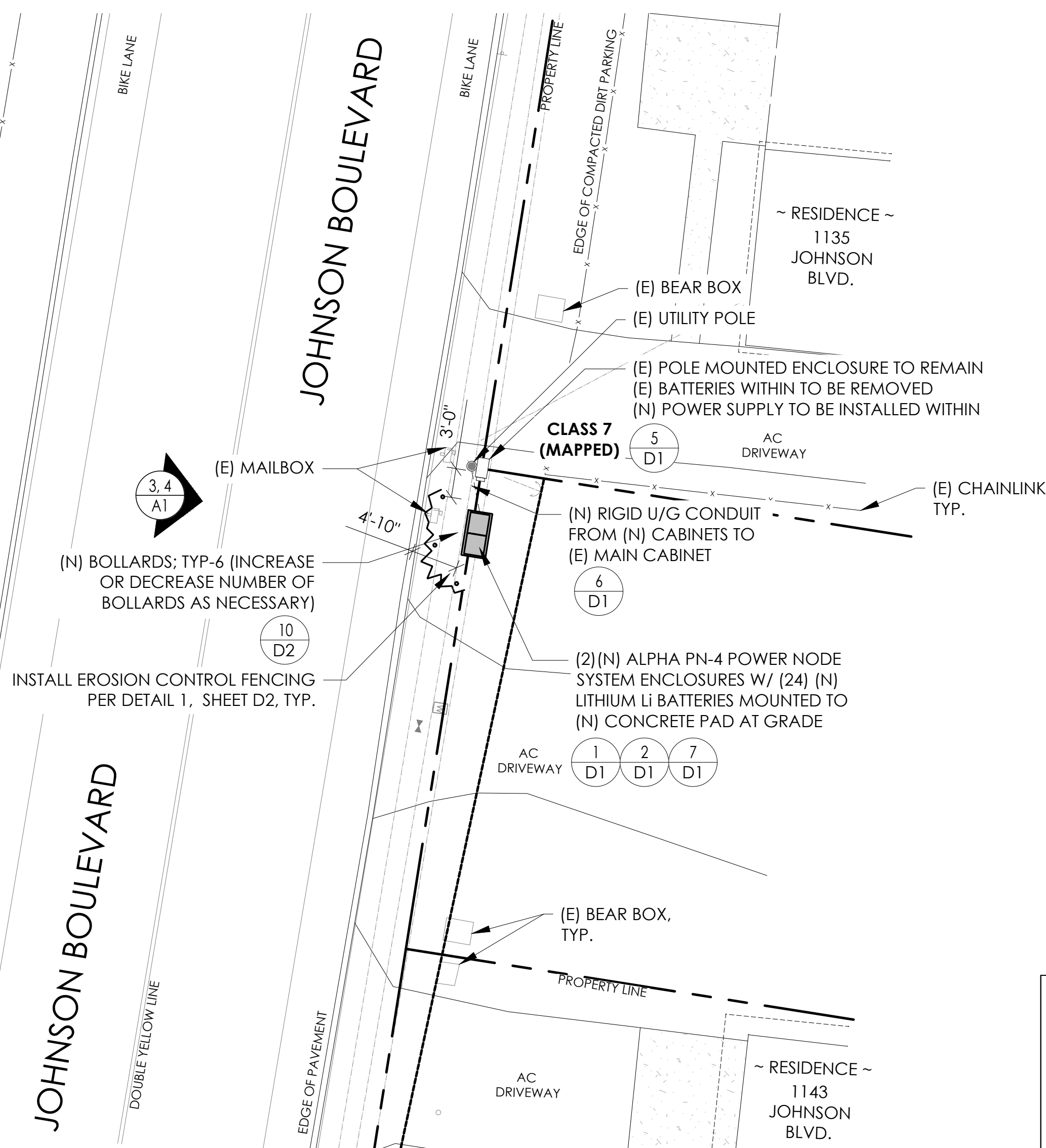
J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069679

ISSUE STATUS

Table with issue status including revision number, date, description, and by.

NOTE

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHEET D2.



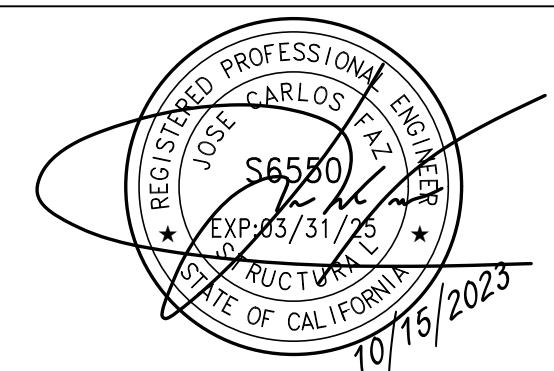
DRAWING INDEX

Table with drawing index including sheet number and description.

PROJECT TEAM

Table with project team information including owner, engineer, architect, and applicant details.

SEAL



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

CODE COMPLIANCE

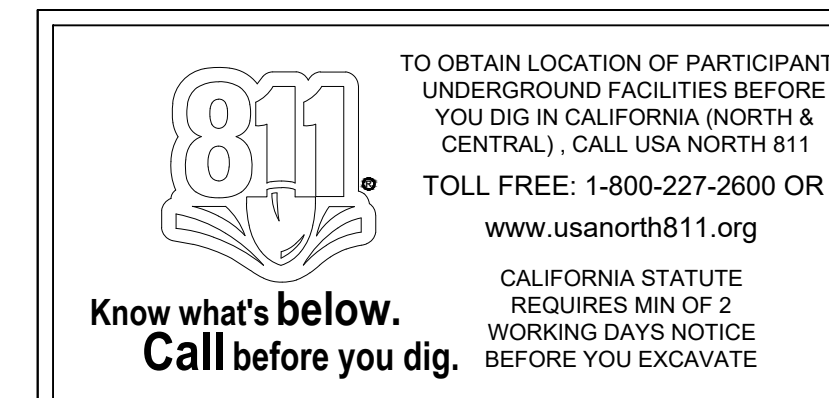
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES...

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36) CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SITE PLAN

24"x36" SCALE: 1" = 10'-0" 11"x17" SCALE: 1" = 20'-0"



TITLE SHEET

T1



VICINITY MAP
N.T.S.



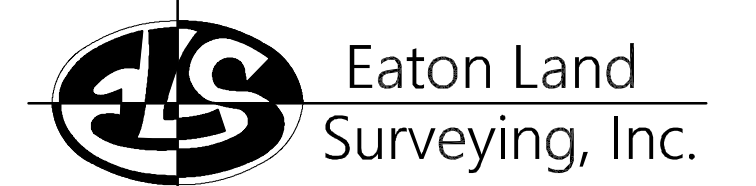
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/09/23	SUBMITTAL

SURVEY DATE
08/24/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

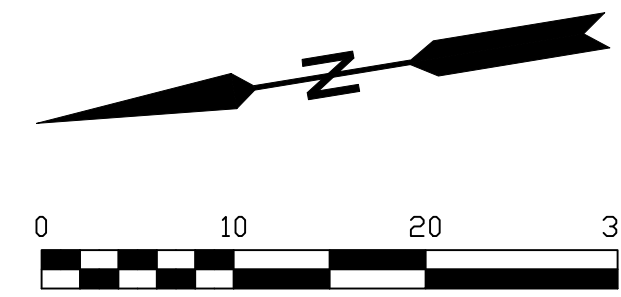
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 28 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

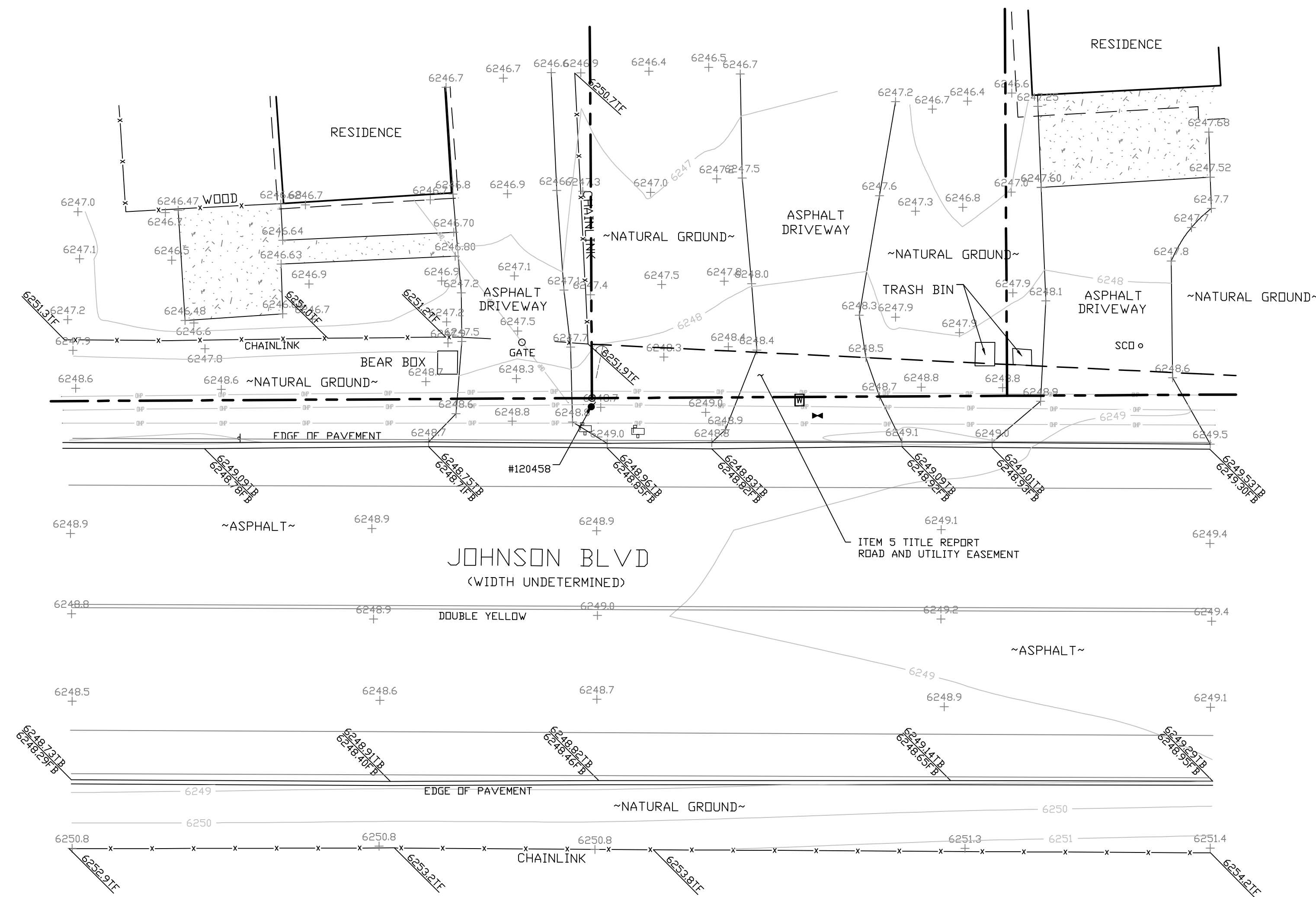
TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 027-251-021
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032256 DATED 08/31/2023;



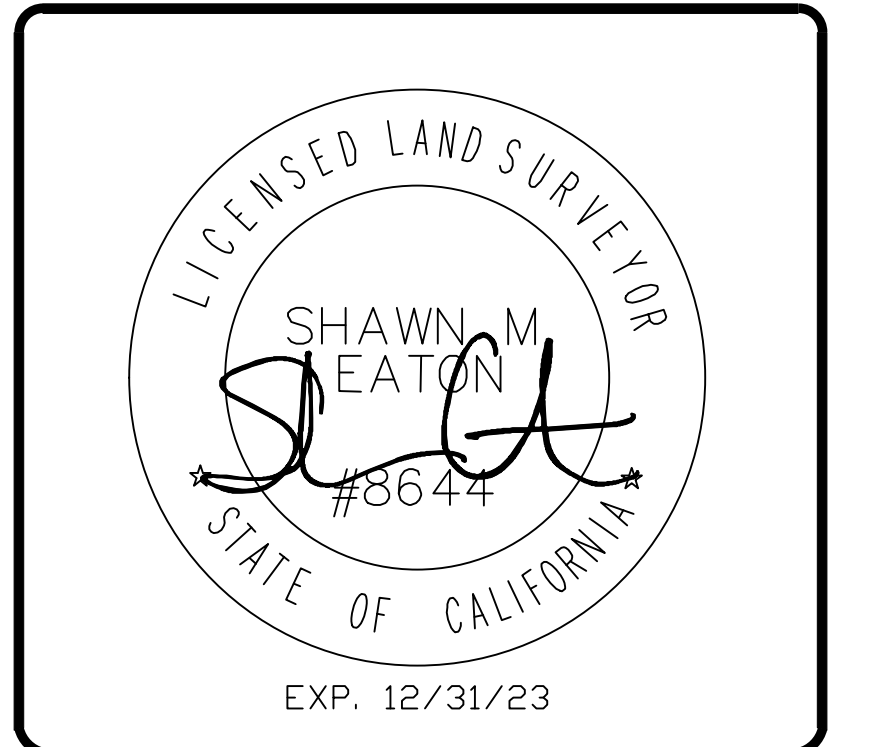
LEGEND

These standard symbols may be found in the drawing.

- CONCRETE
- PROPERTY LINE
- CENTER LINE
- OVERHEAD LINE
- FENCE
- HEADER
- ROOF
- WALL
- ROCK WALL
- PULLBOX ELECTRIC
- PULLBOX TELEPHONE
- PULLBOX COMMUNICATION
- WATER METER
- WATER VALVE
- POWER POLE
- ELEVATION GRADE
- GUY WIRE
- MAILBOX (MOVABLE)
- SIGN
- MANHOLE TELEPHONE
- MANHOLE SEWER
- RECTANGLE INLET
- FIRE HYDRANT
- SHRUB
- TRUNK
- CT CONIFEROUS TREE
- DT DECIDUOUS TREE
- TB TOP OF ASPHALT CURB
- FB FACE OF ASPHALT CURB
- TF TOP OF FENCE
- TW TOP OF WALL
- CD CURB DRAIN
- SURVEY MONUMENT



SITE SURVEY

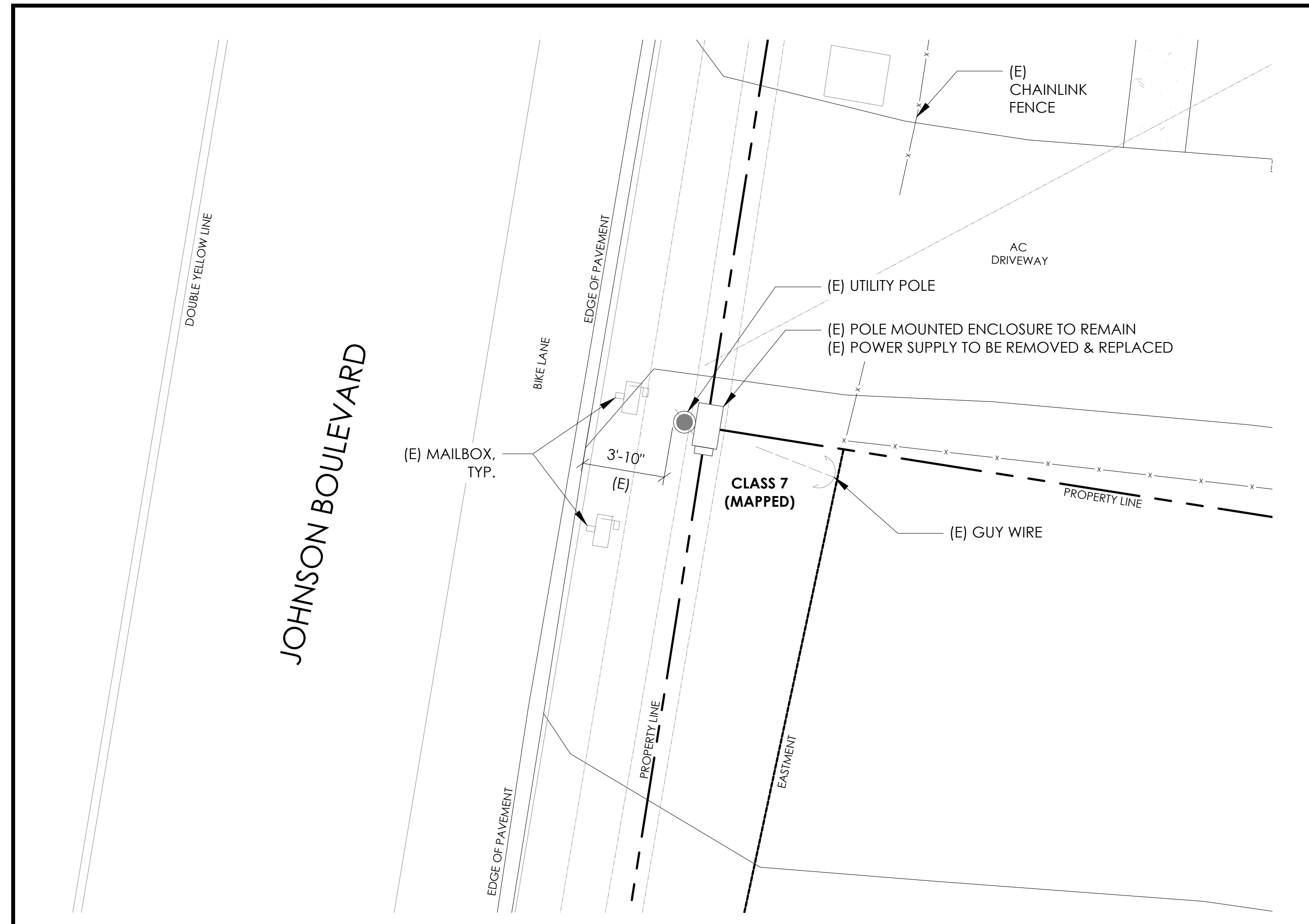


PROJECT INFORMATION:
ST118A
1135 JOHNSON BLVD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

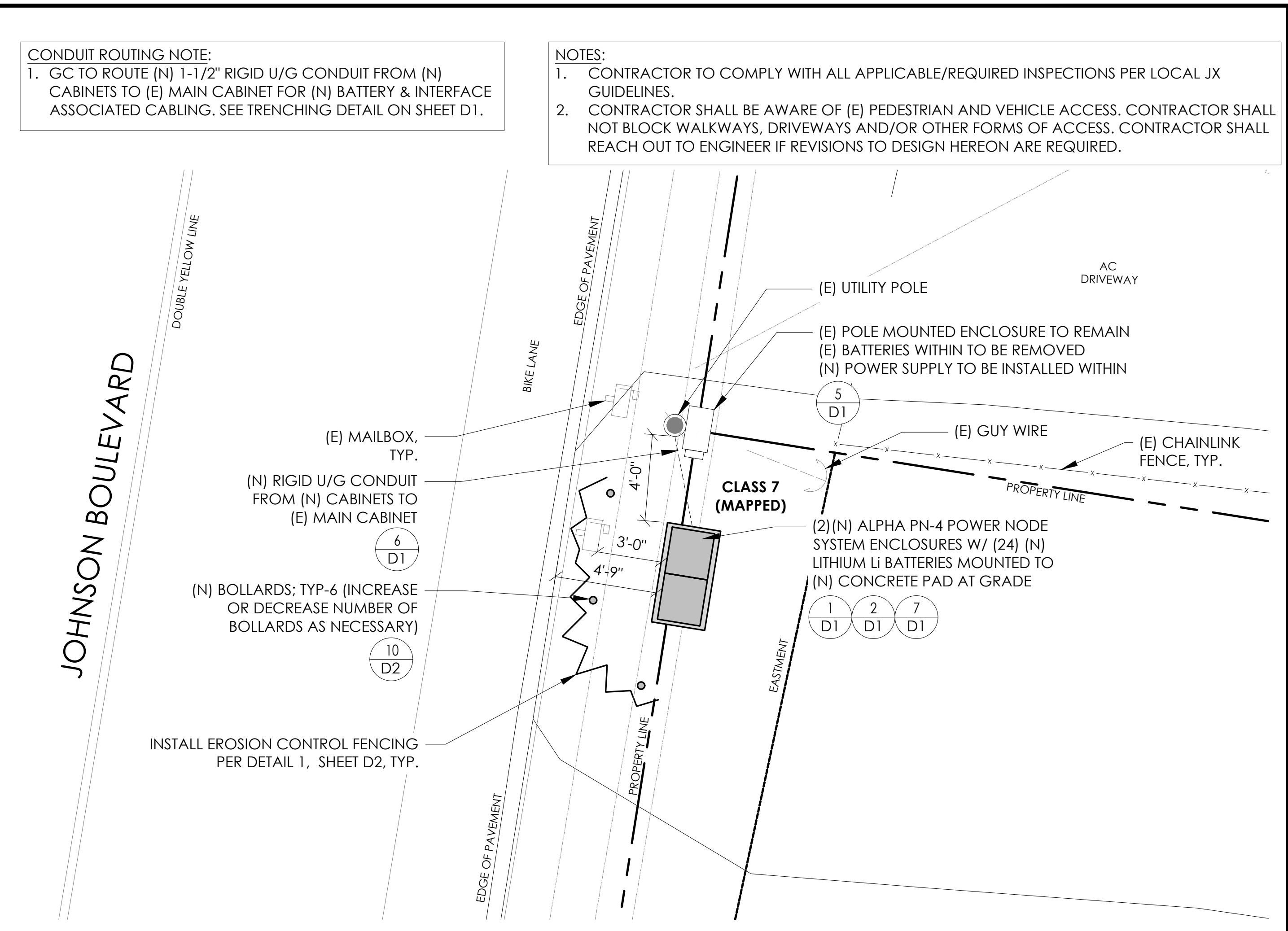
SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

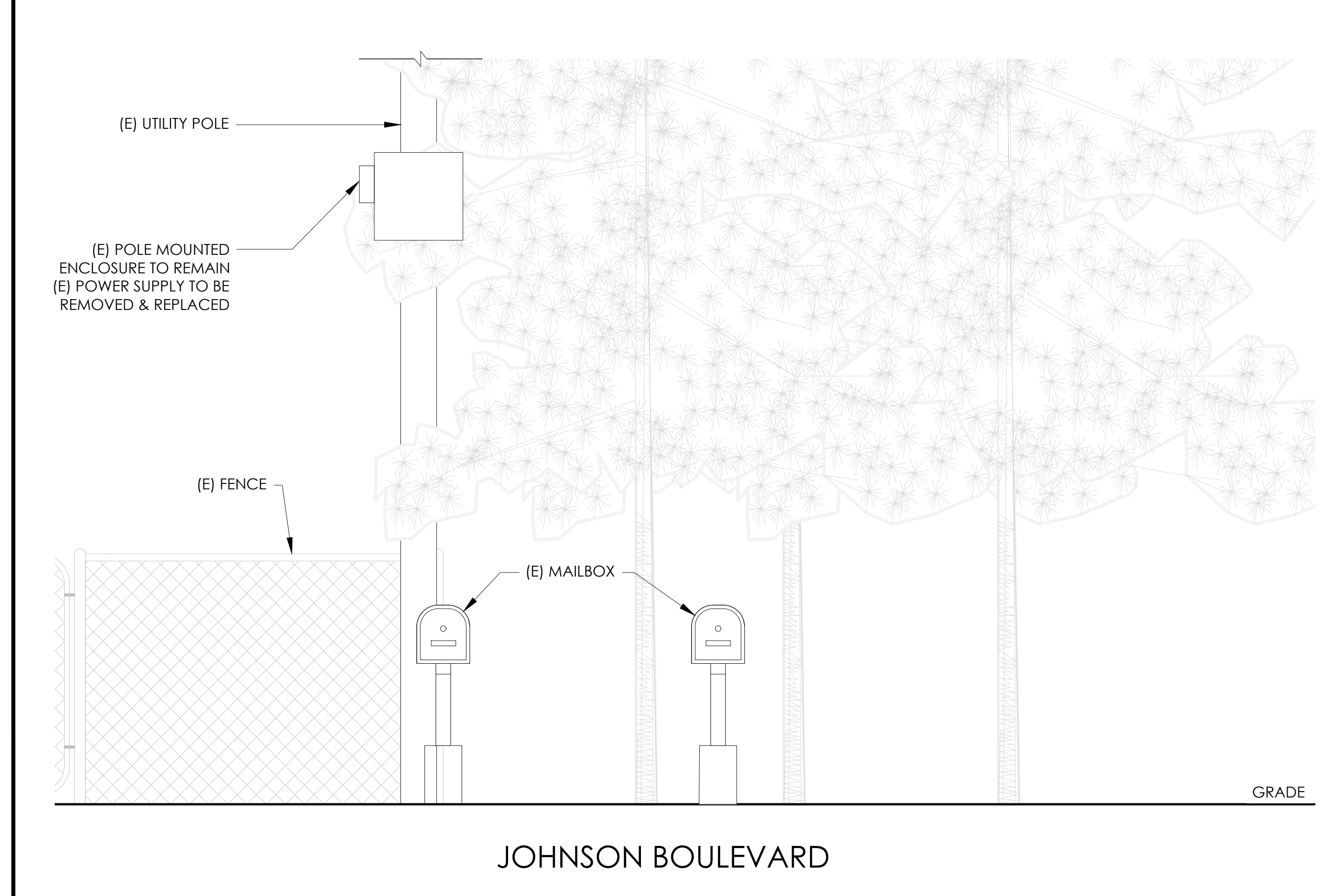




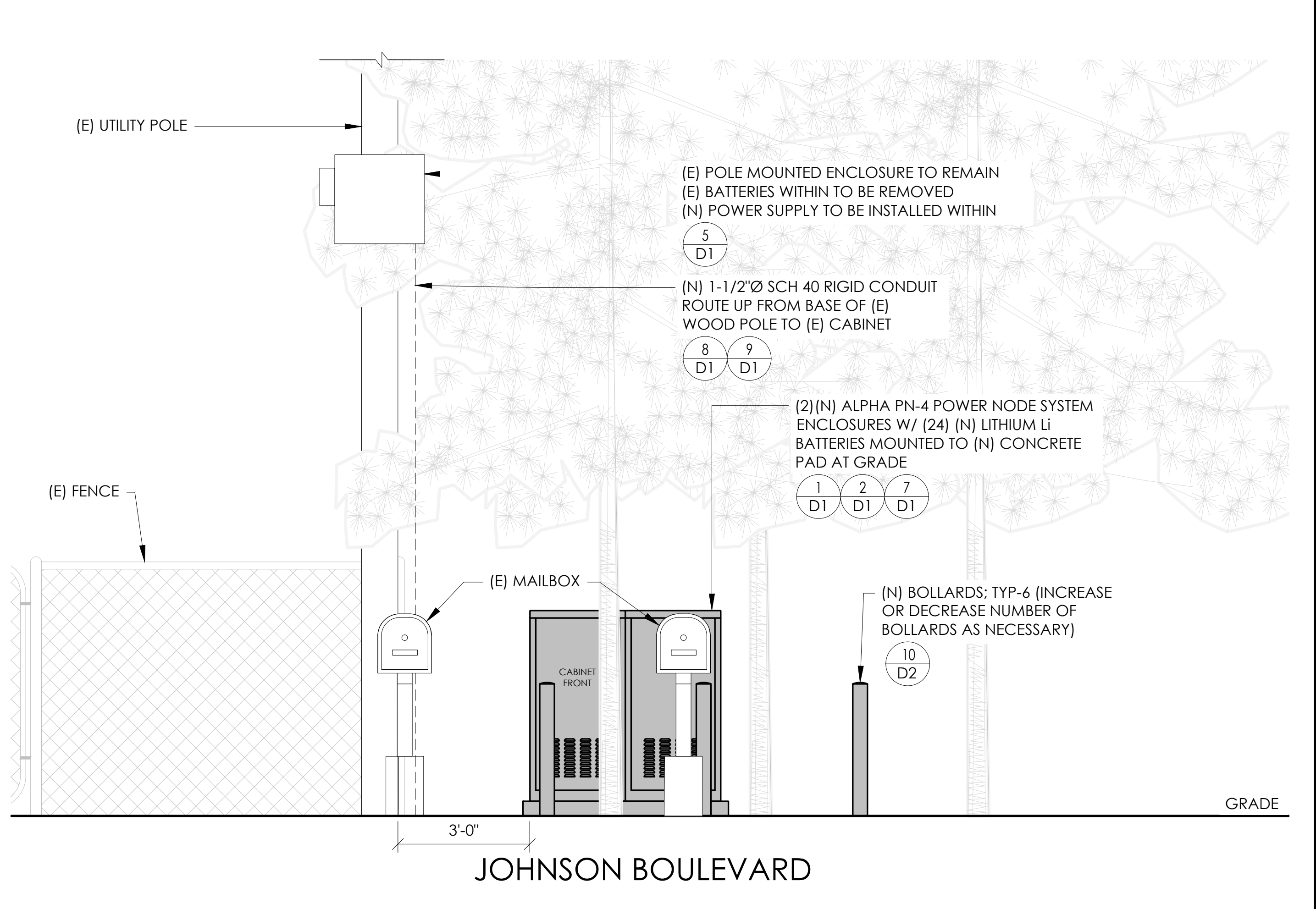
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 4



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 3

CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

Charter Spectrum
9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY
3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069679

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
0	12/27/21	100% CD	BN
1	12/01/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	06/22/23	100% CD REV PER PCC#3	ES
4	10/15/23	SURVEY SHIT/BOLLARD ADD	MZ

SEAL

FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

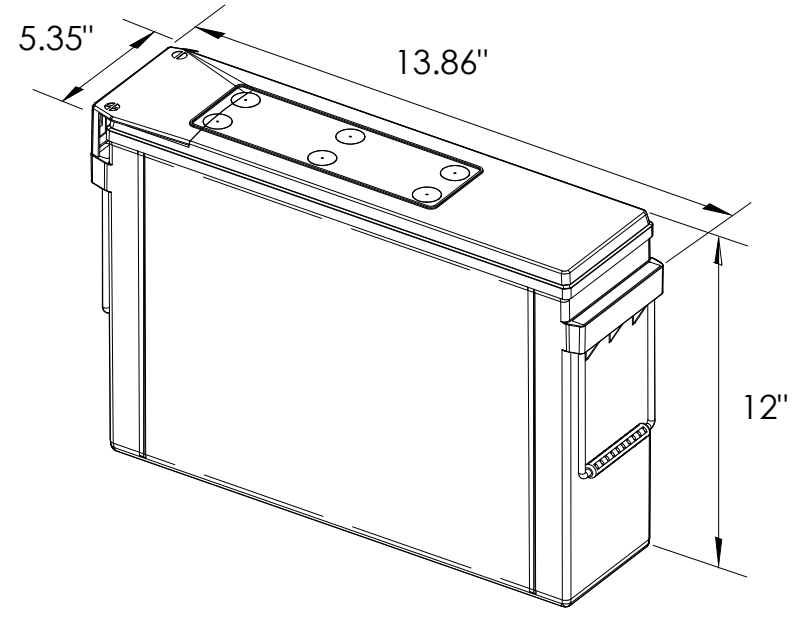
SITE INFORMATION

SITE ID:
ST118A_

SITE ADDRESS:
1135 JOHNSON BLVD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

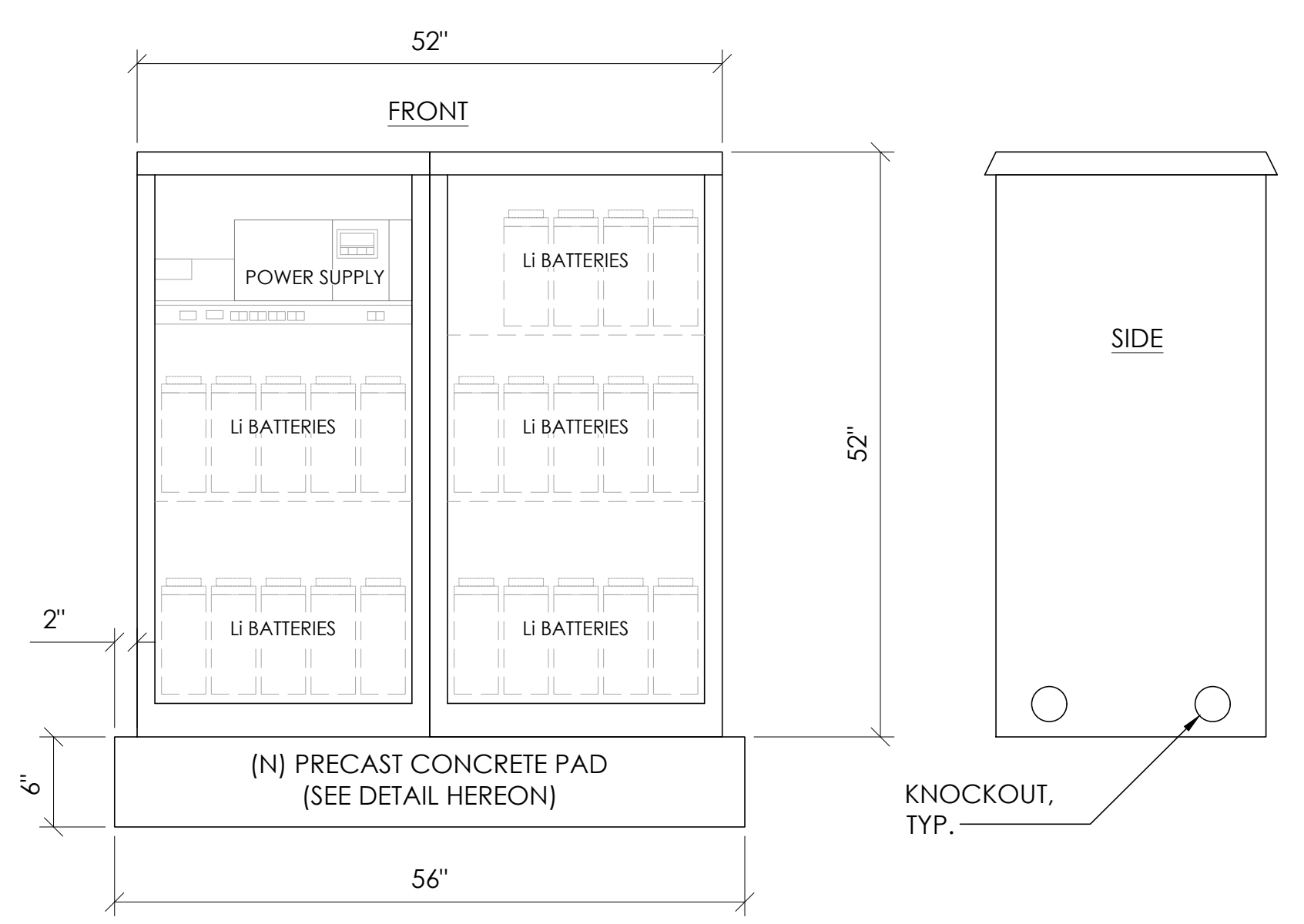
MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN
 WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS

MANUFACTURER: ALPHA
 MODEL: PN-4
 HEIGHT: 52"
 WIDTH: 26"
 DEPTH: 24"
 WEIGHT (EMPTY): 360 LBS.
 WEIGHT (W/ BATTERIES): 1,548 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
 CABINET #1: (10) BATTERIES
 CABINET #2: (14) BATTERIES

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

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 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY

3767 ALPHA WAY
 BELLINGHAM, WA 98226

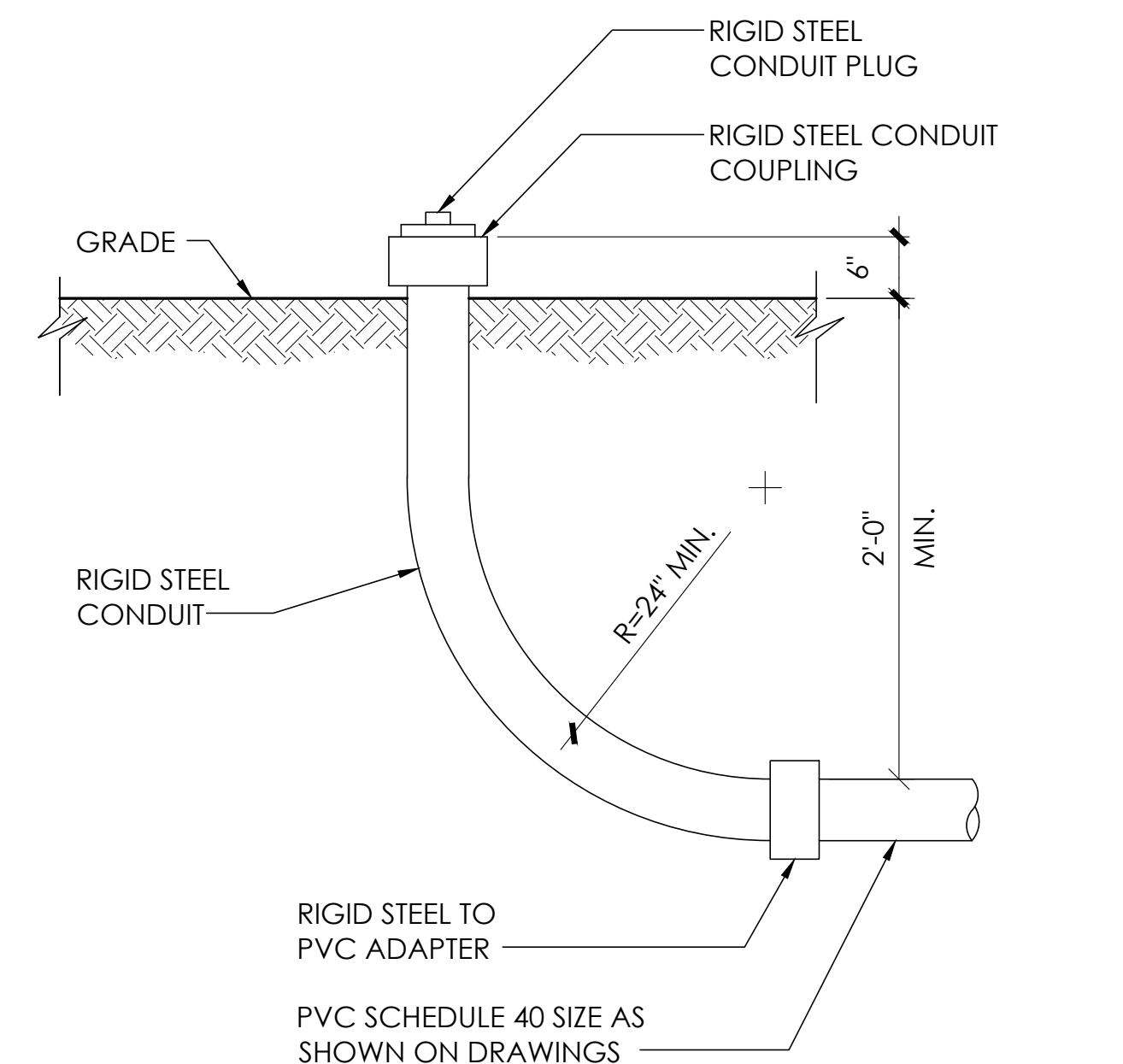
J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069679

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
0	12/27/21	100% CD	BN
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2	04/28/23	100% CD REV PER PCC#2	ES
3	06/22/23	100% CD REV PER PCC#3	ES
4	10/15/23	SURVEY SHT/BOLLARD ADD	MZ

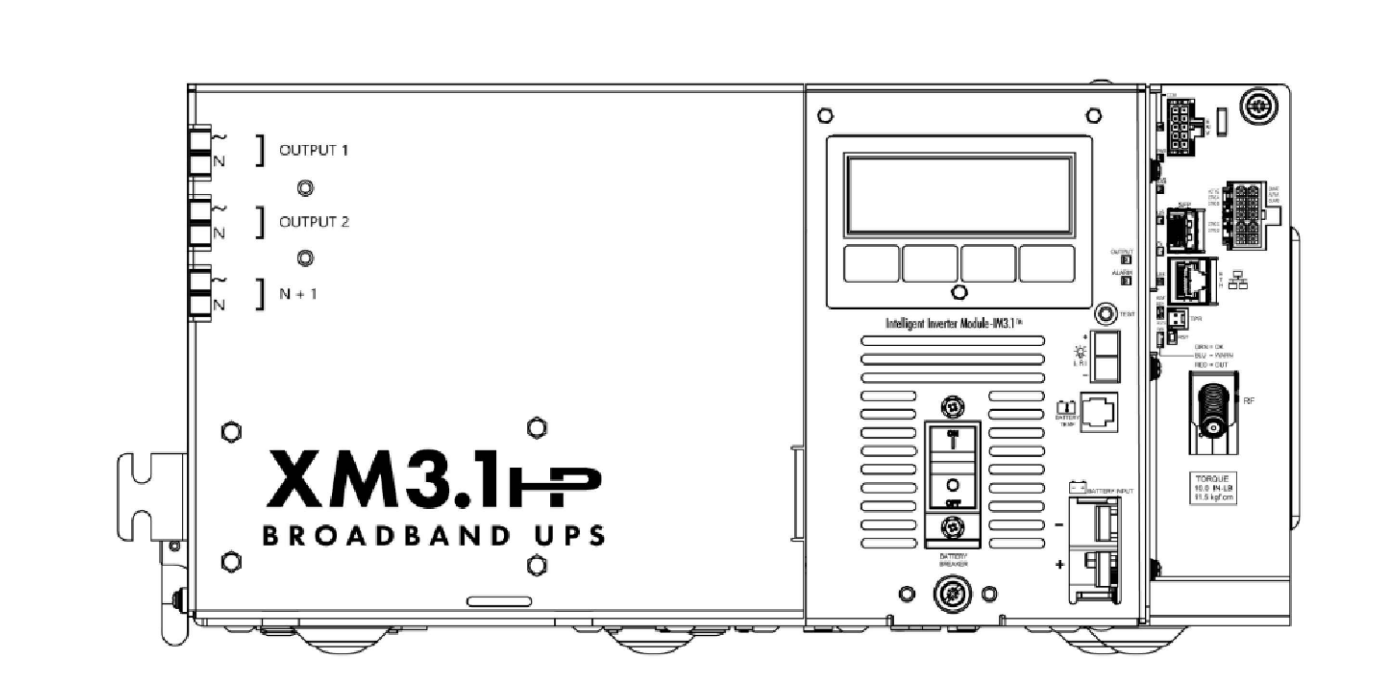


8 STUB-UP DETAIL
N.T.S.

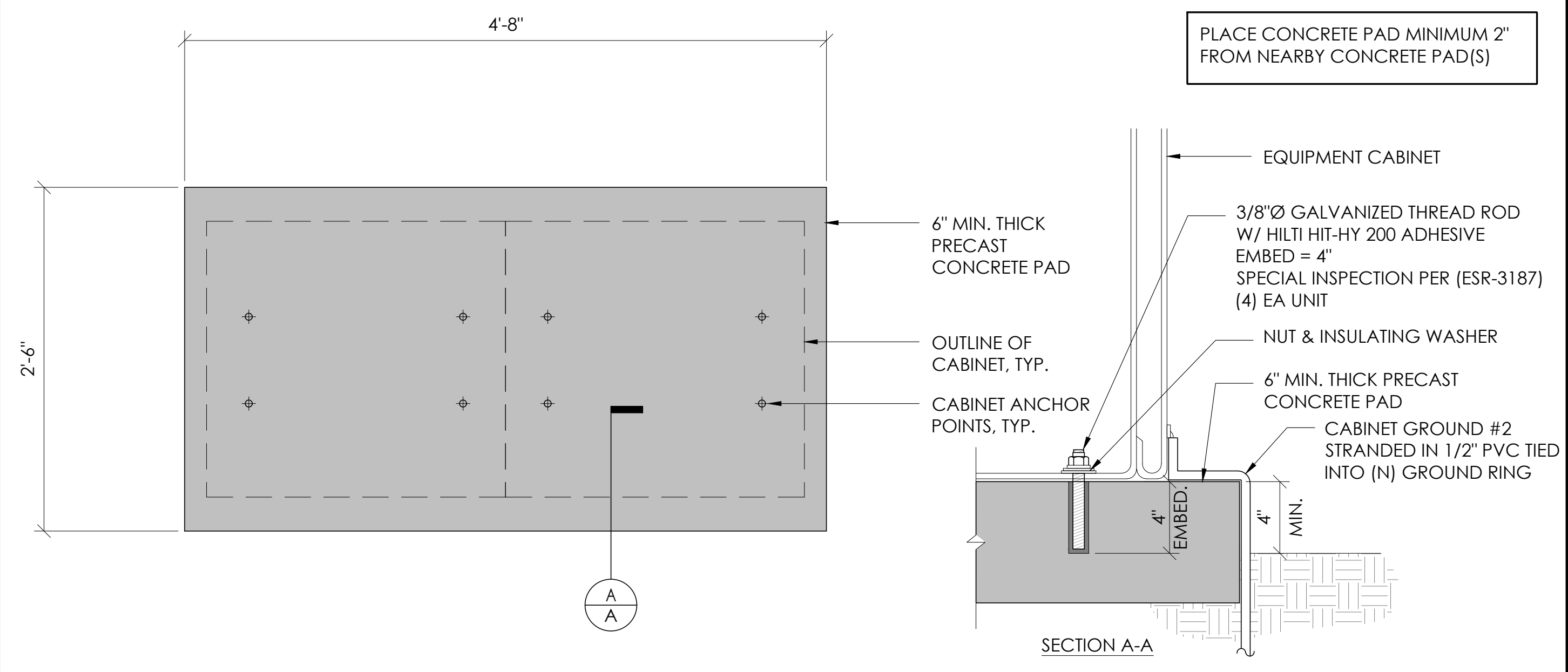
EQUIPMENT SPECIFICATIONS

MFG: ALPHA
 MODEL: XM3.1-HP
 HEIGHT: 7.76 IN
 WIDTH: 16.43 IN
 DEPTH: 10.57 IN
 WEIGHT: 61 LBS

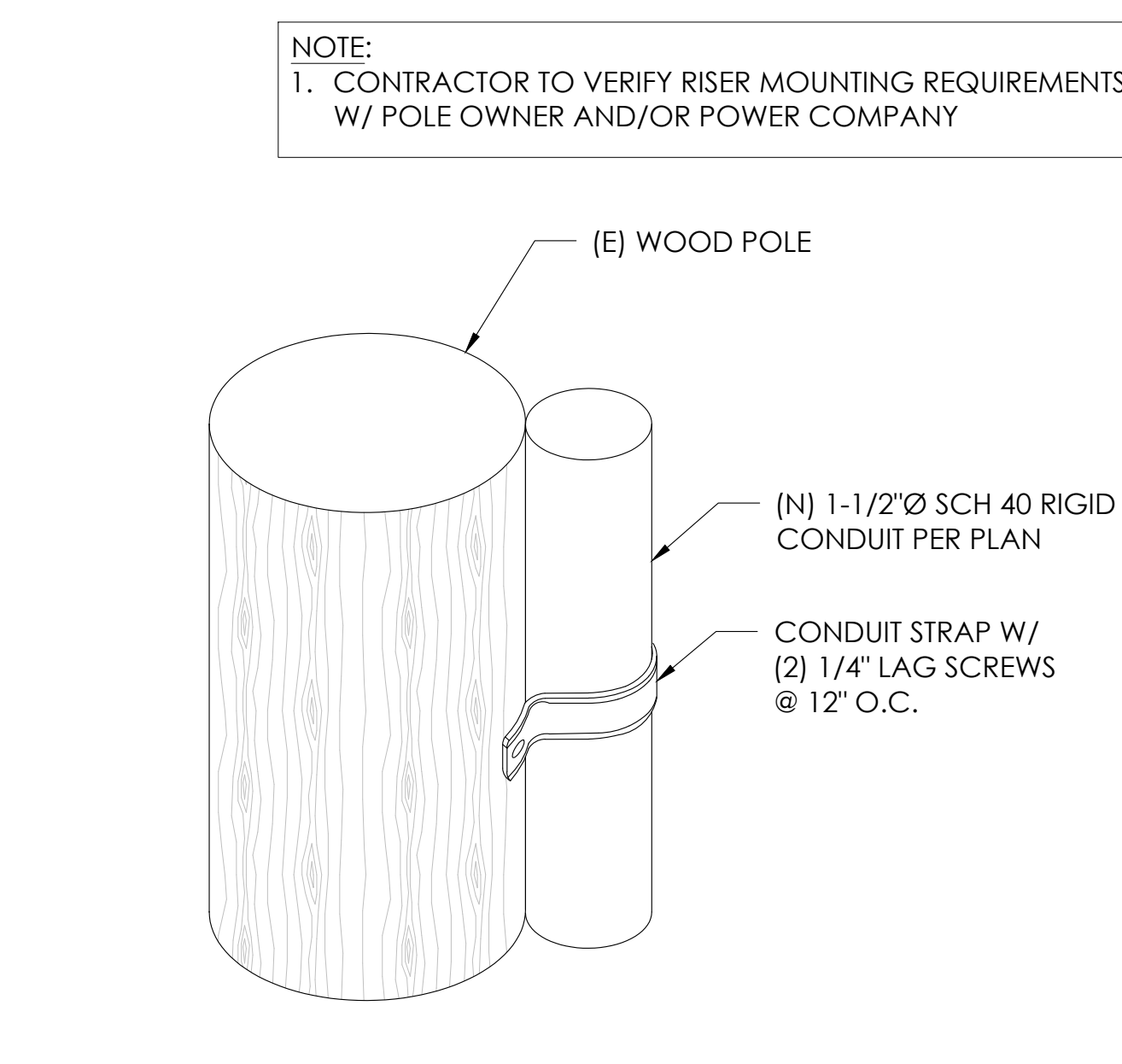
NOMINAL INPUT VOLTAGE: 120V AC
 OUTPUT VOLTAGE: 63/89V AC



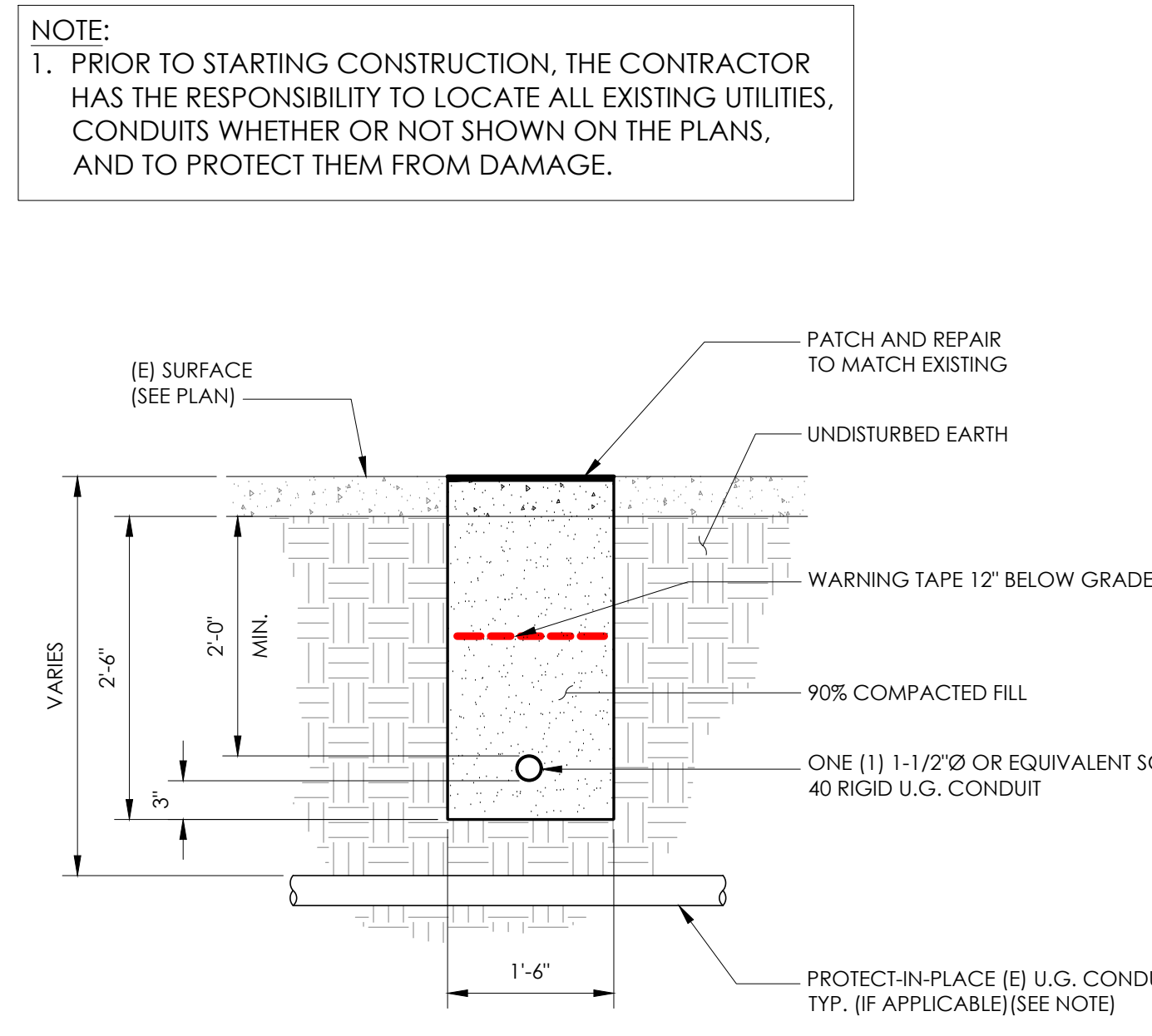
5 POWER SUPPLY DETAIL
N.T.S.



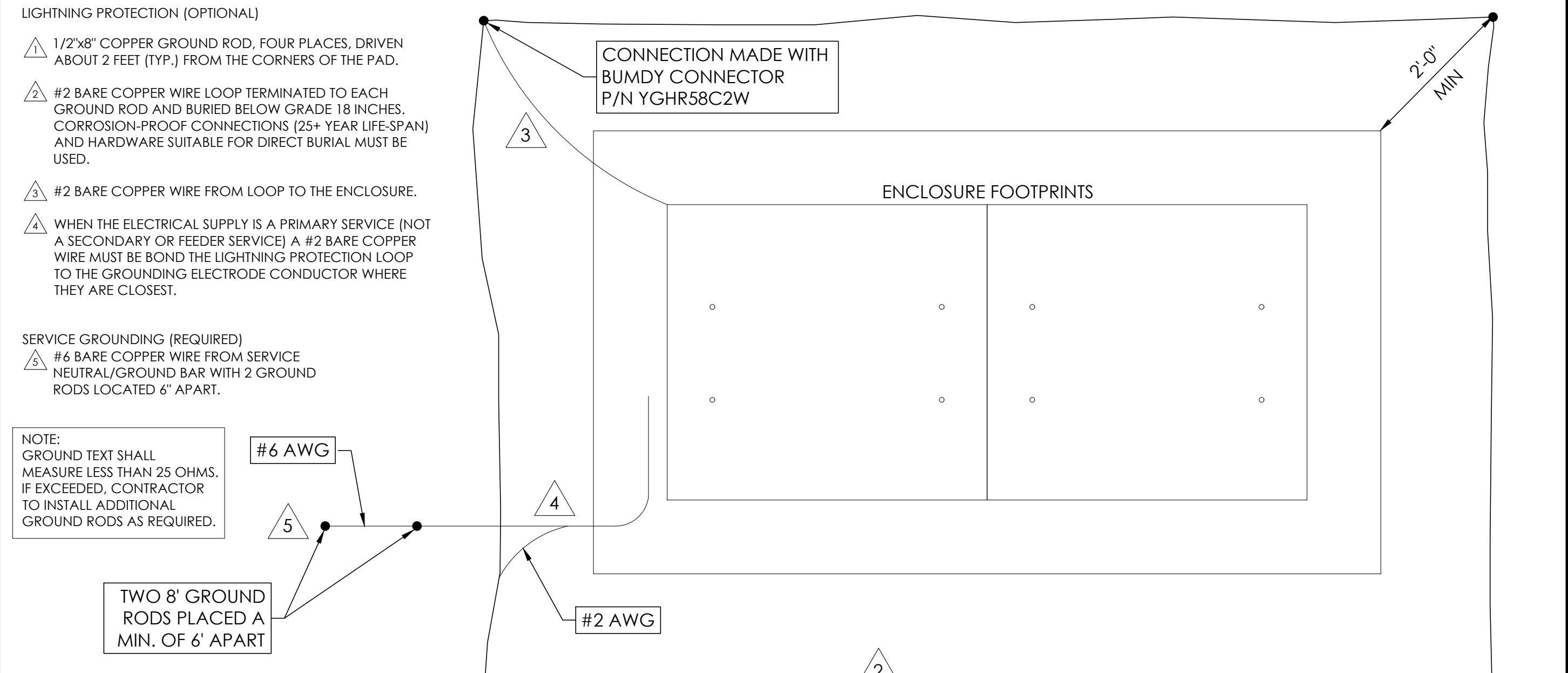
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.

SEAL

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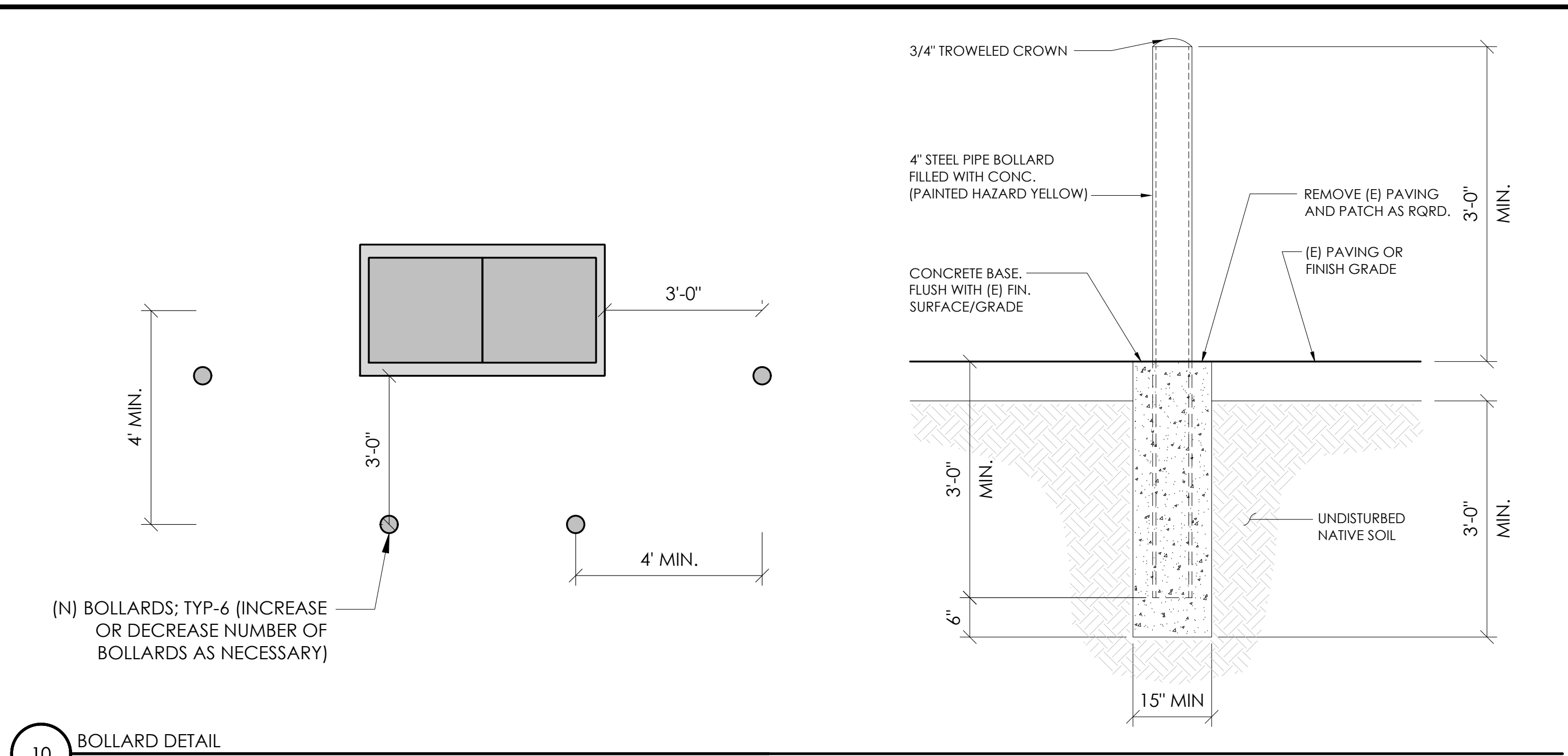
SITE INFORMATION

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ST118A_

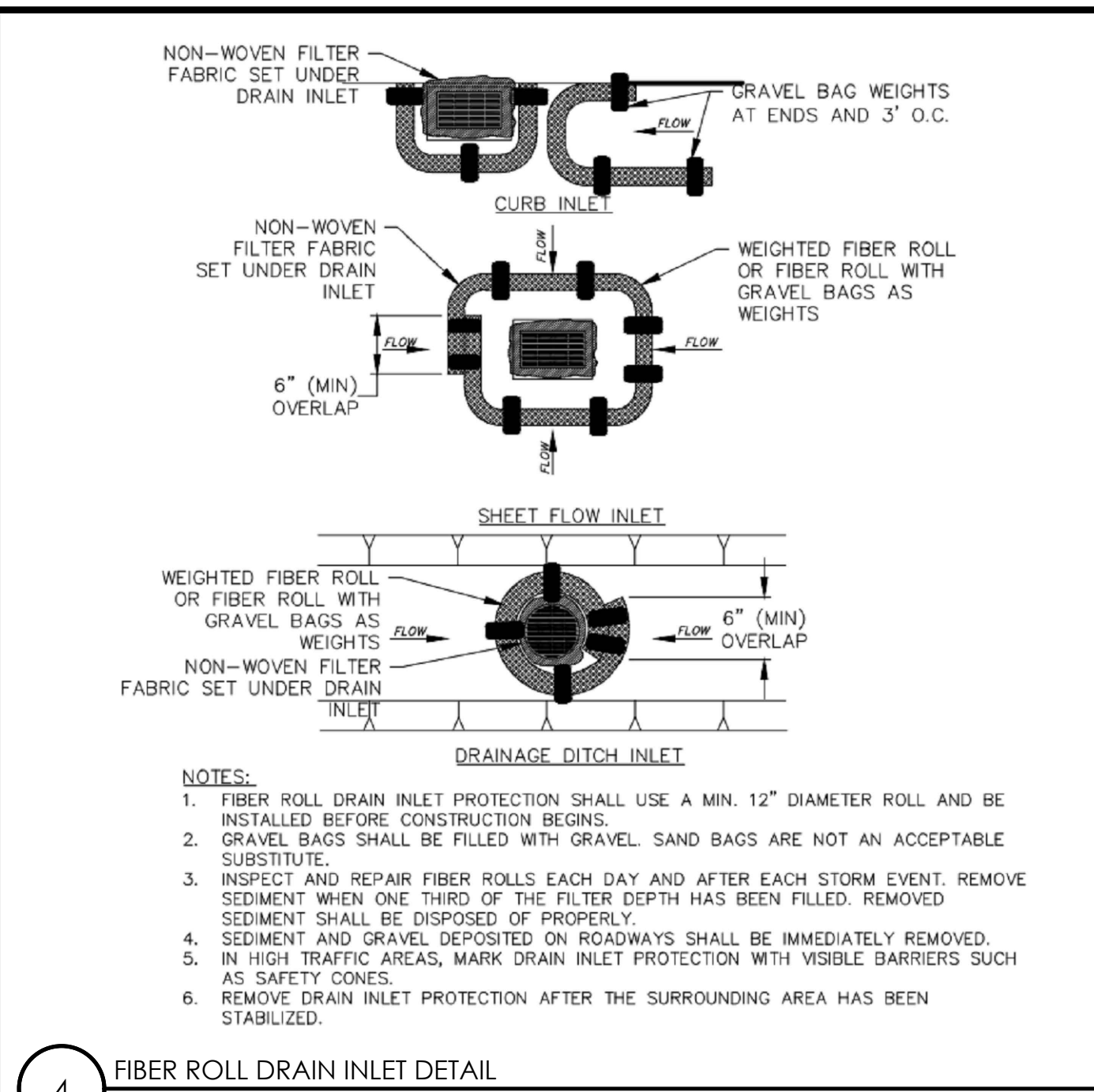
SITE ADDRESS:
1135 JOHNSON BLVD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS

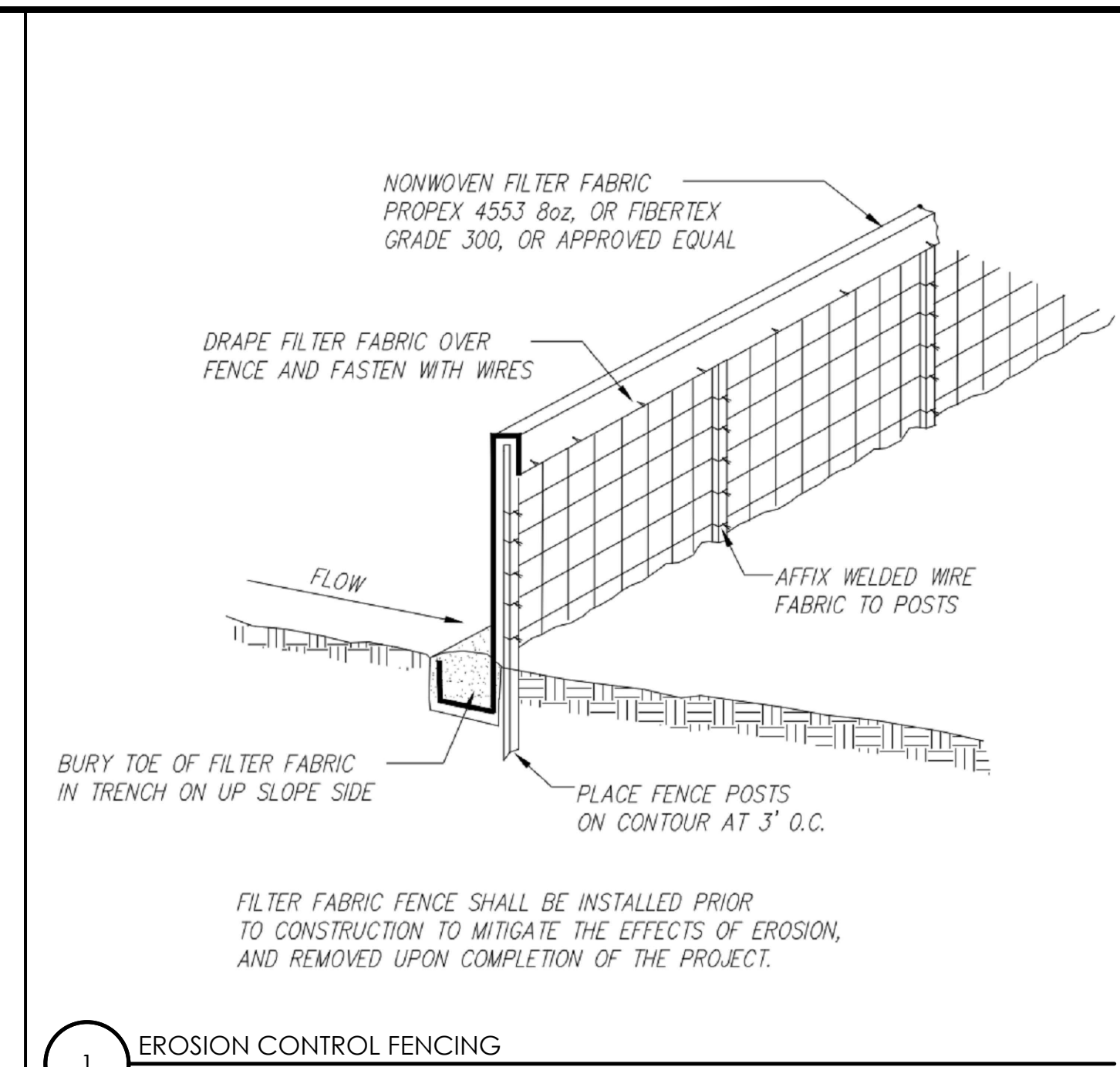
D1



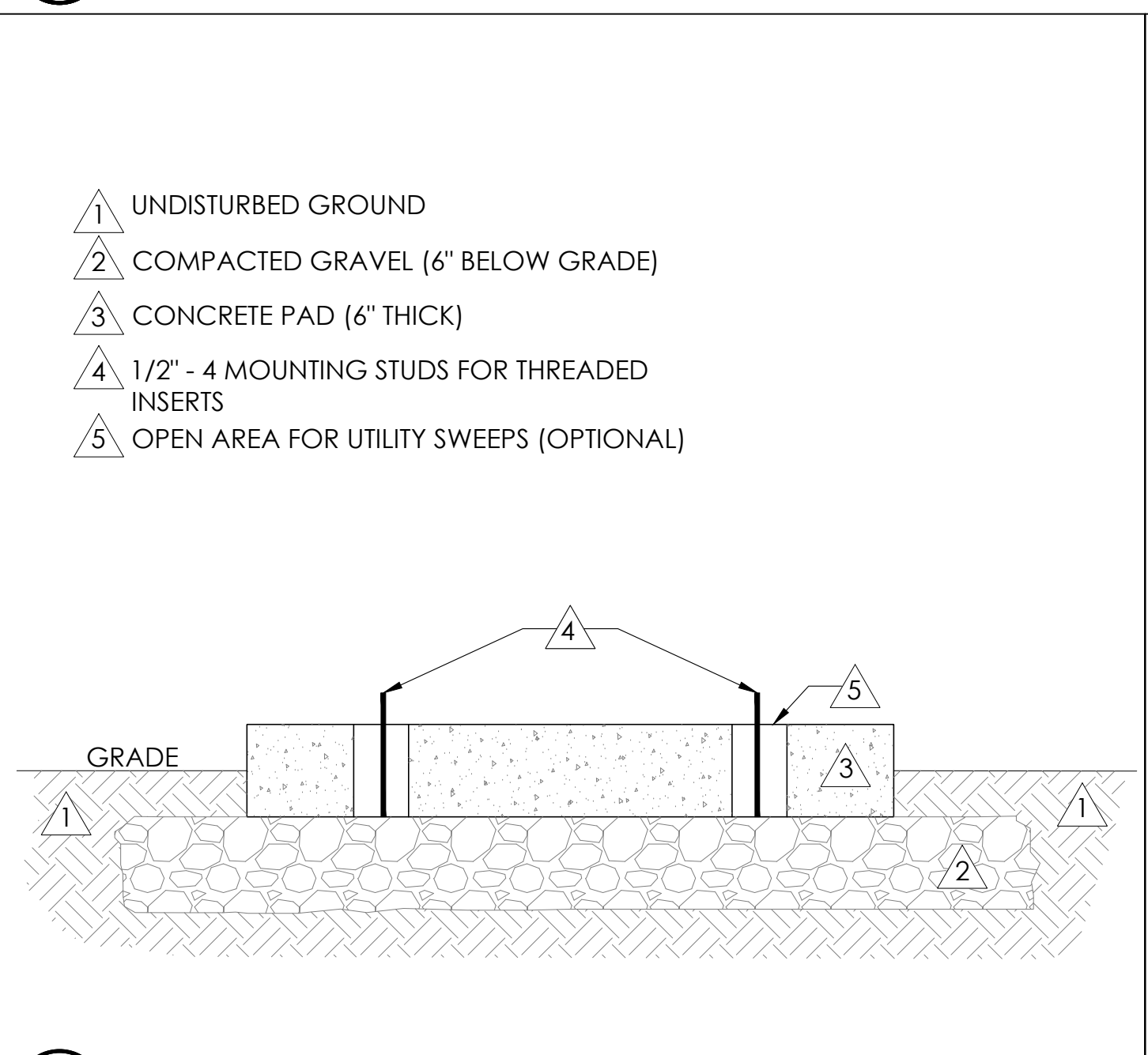
10 BOLLARD DETAIL
N.T.S.



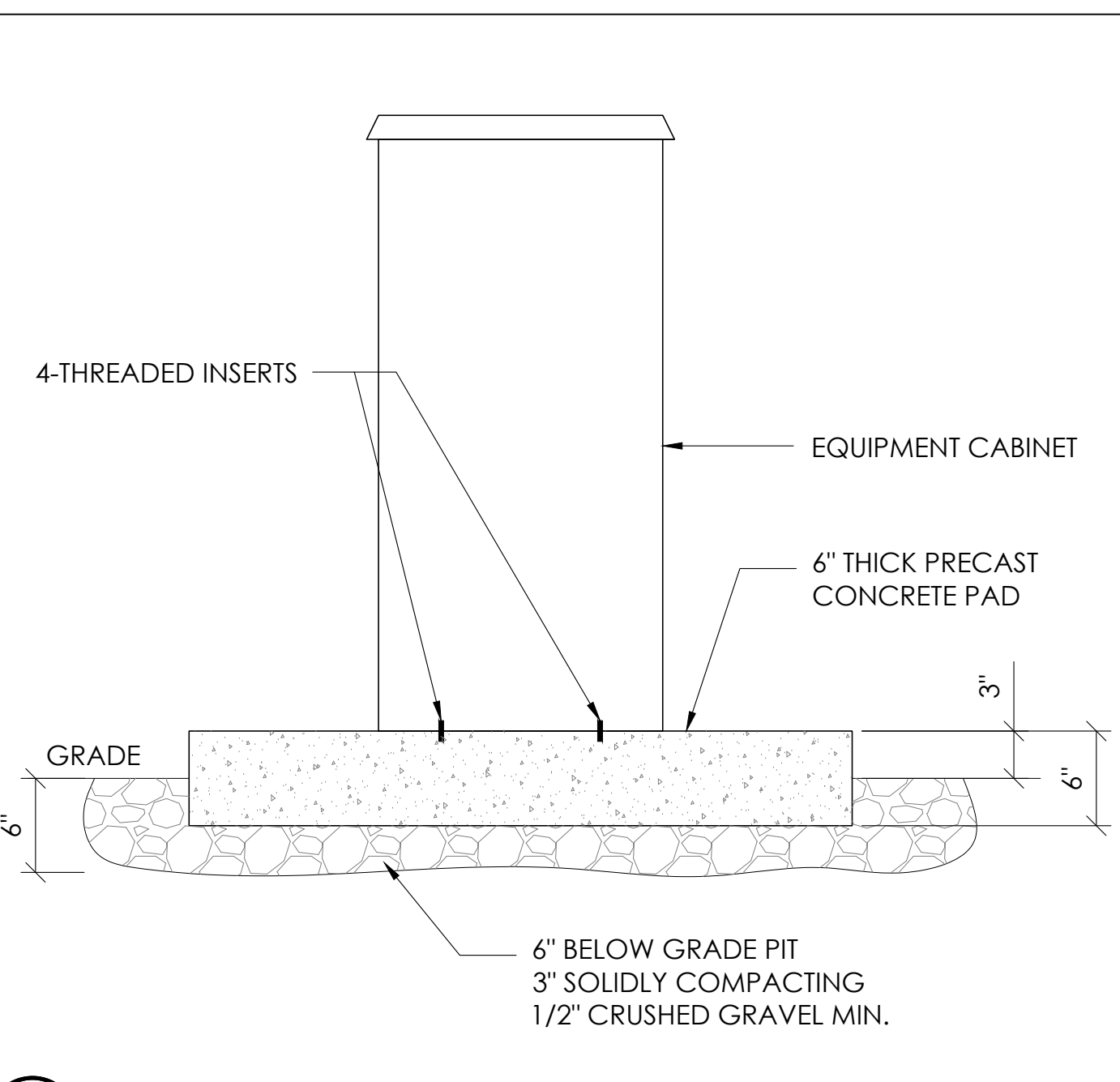
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



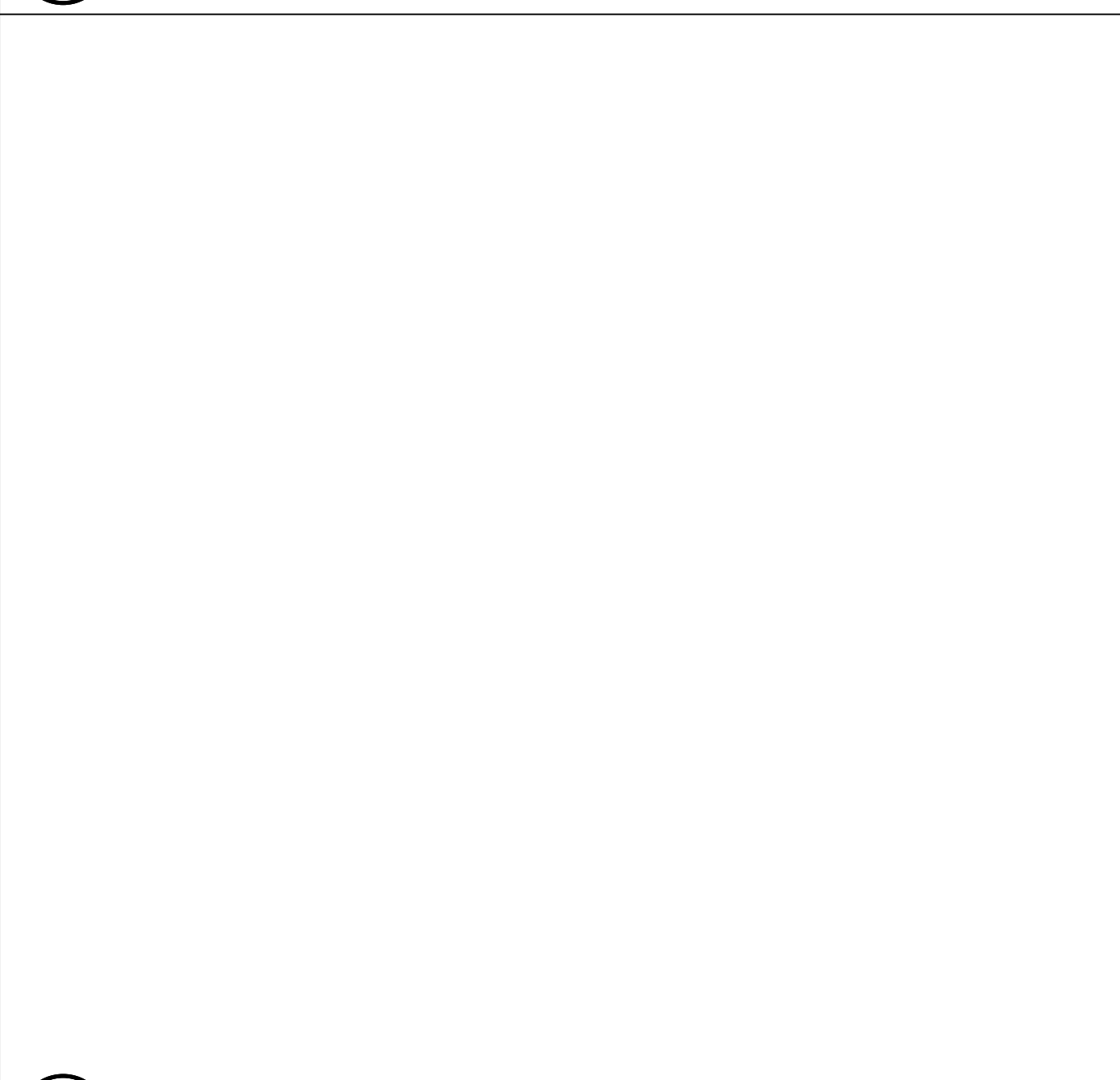
1 EROSION CONTROL FENCING
N.T.S.



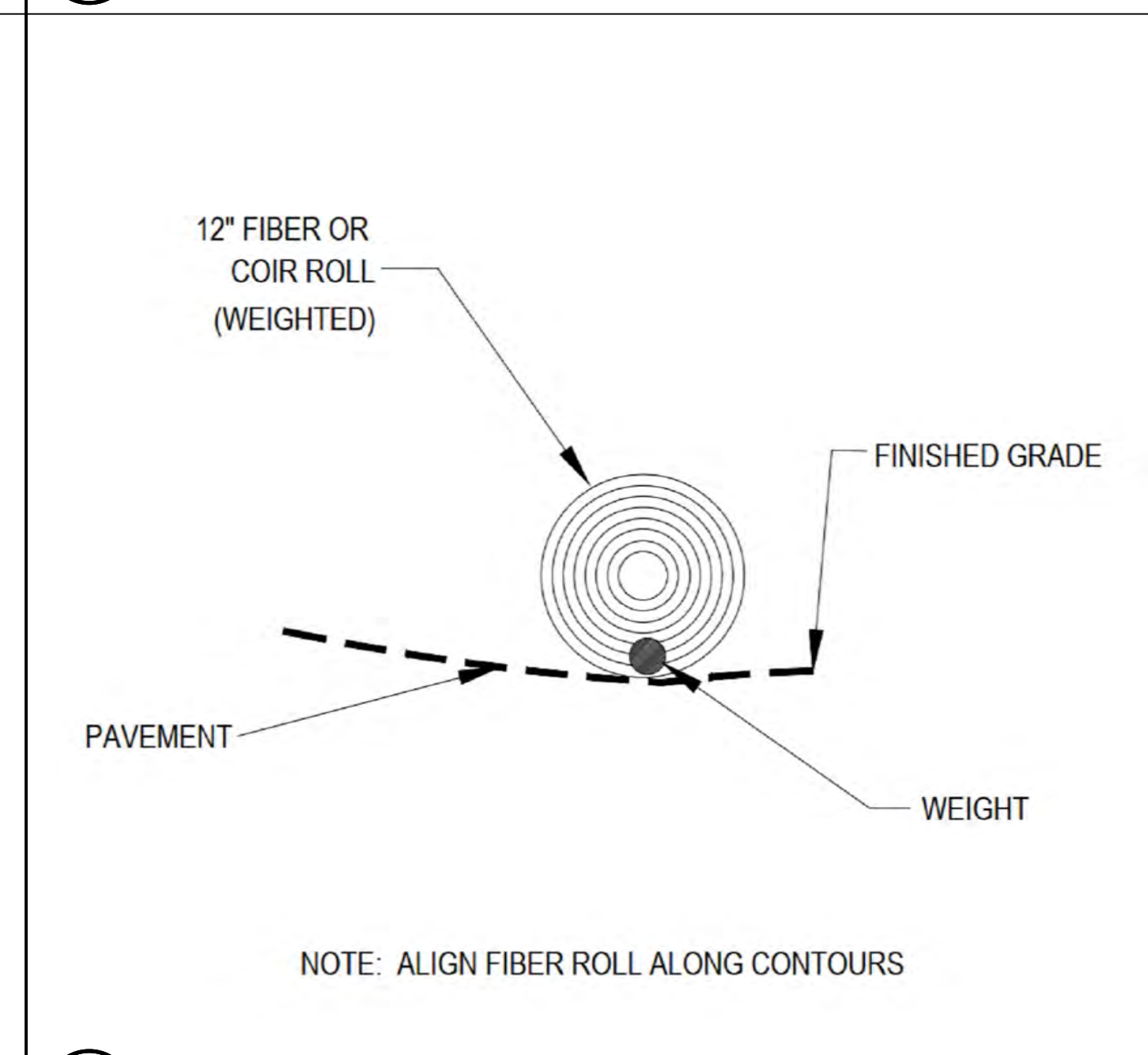
11 FOUNDATION BASE FOR PN4
N.T.S.



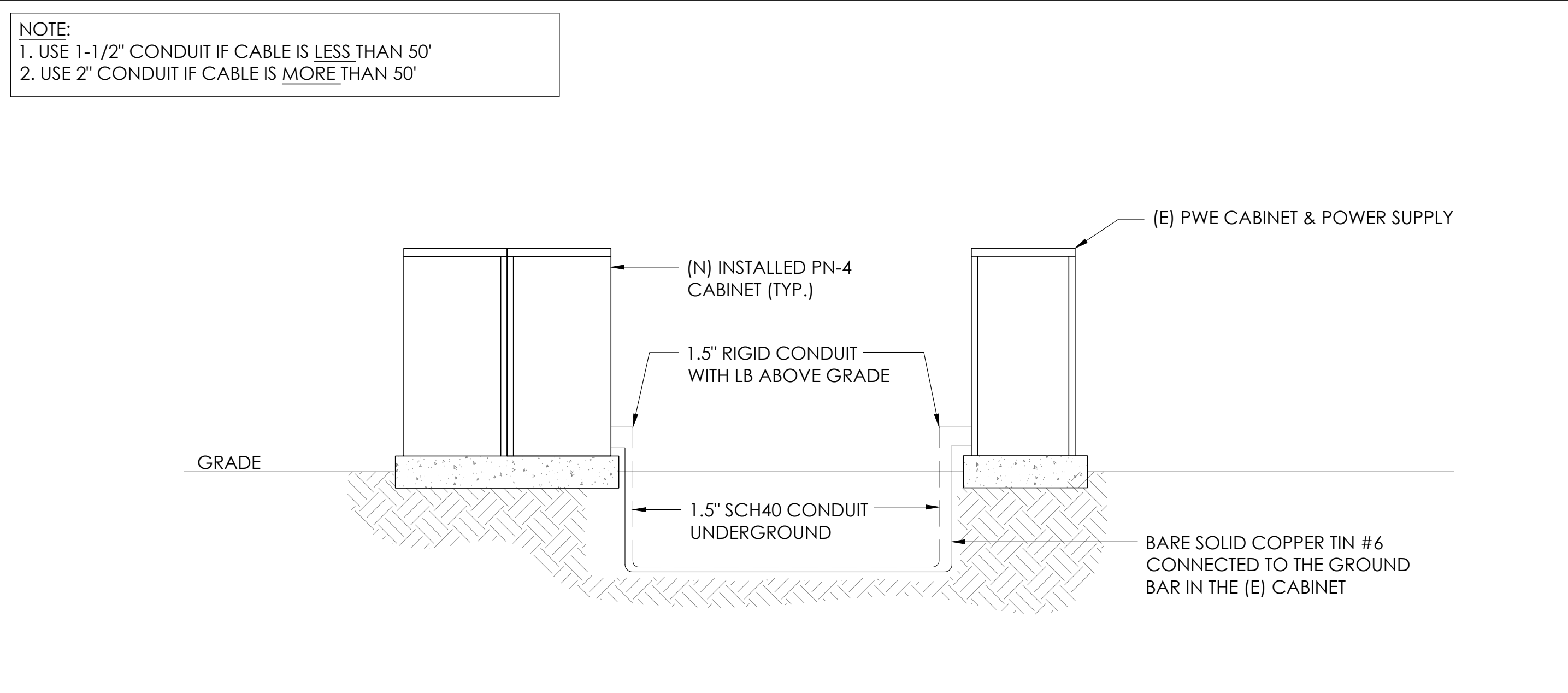
8 P4 CABINET INSTALLATION
N.T.S.



5 NOT USED
N.T.S.



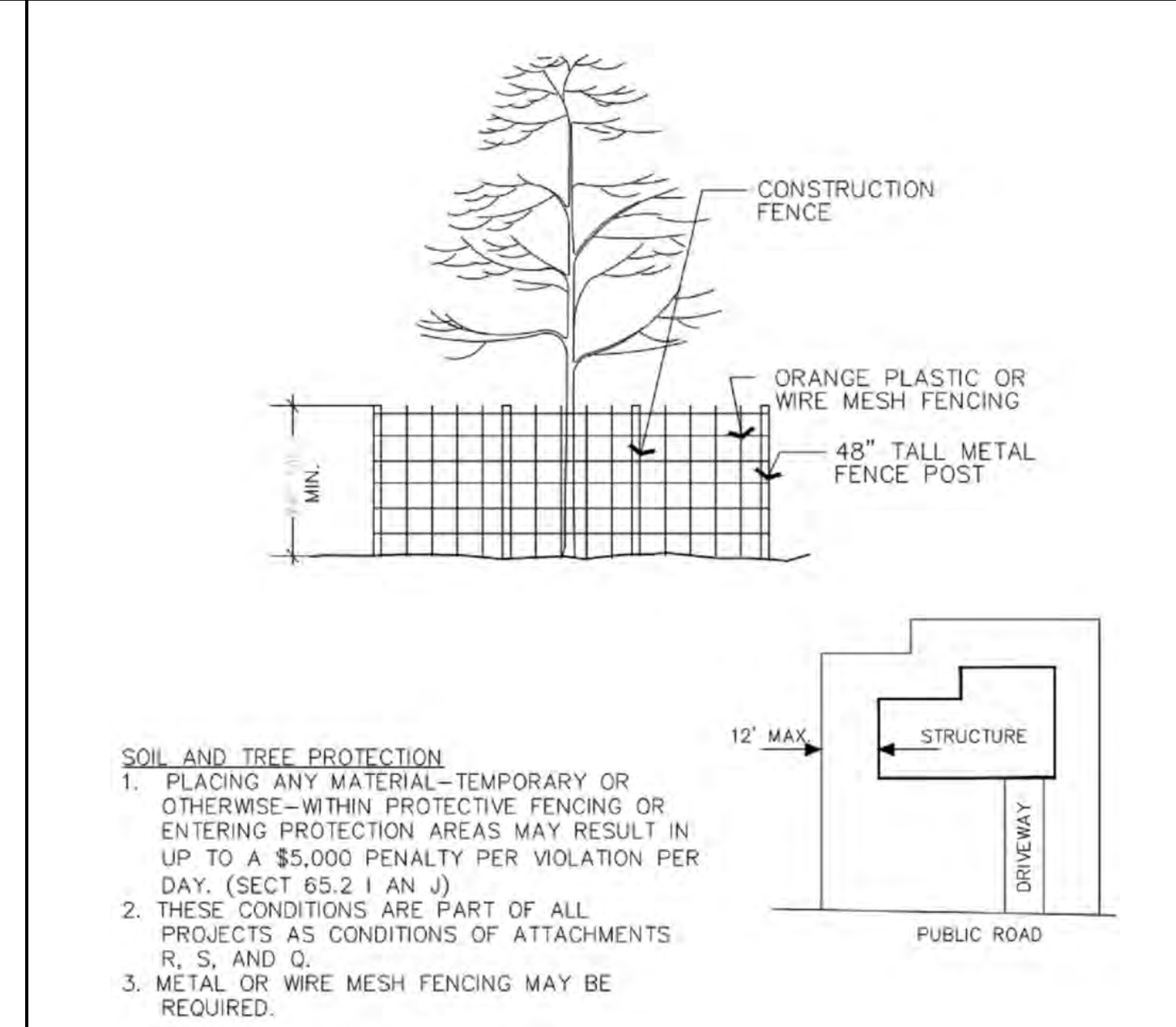
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

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CHATSORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

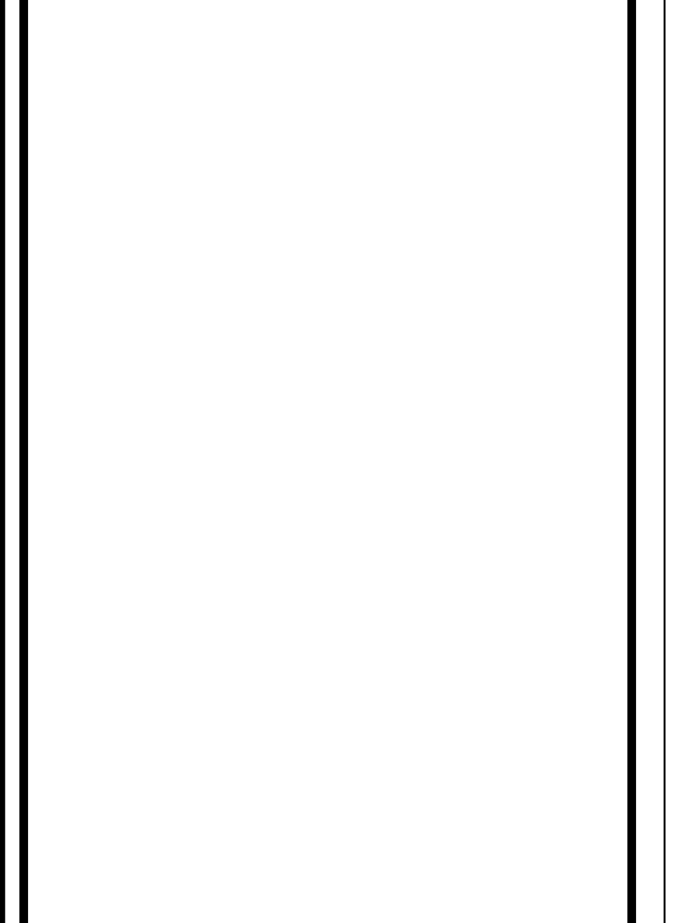
J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069679

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
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3	06/22/23	100% CD REV PER PCC#3	ES
4	10/15/23	SURVEY SHT/BOLLARD ADD	MZ



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SITE INFORMATION

SITE ID:
ST118A_

SITE ADDRESS:
1135 JOHNSON BLVD,
SOUTH LAKE TAHOE, CA
96150

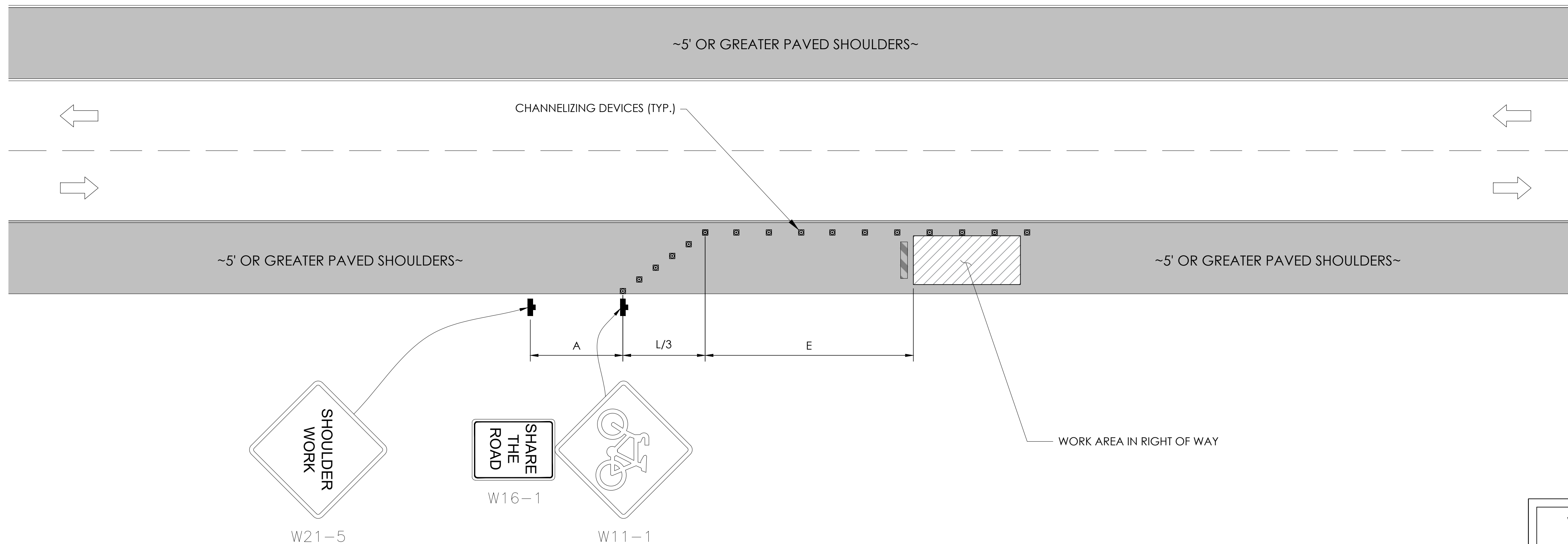
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



GENERAL NOTES:

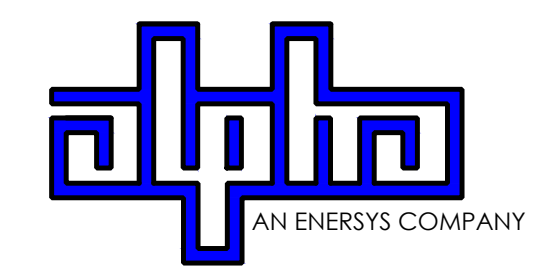
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B)		MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					(0%) (-3%) (-6%)	ft			
25	100	125	65	45	(155) (160) (135)	ft	25	50	12
30	250	180	90	60	(200) (205) (215)	ft	30	60	15
35	250	245	125	85	(250) (260) (275)	ft	35	70	17
40	250	320	160	110	(305) (315) (335)	ft	40	80	20
45	350	540	270	180	(360) (380) (400)	ft	45	90	22
50	350	600	300	200	(425) (450) (475)	ft	50	100	25
55	500	660	330	220	(495) (520) (555)	ft	50	100	25
60	500	720	360	240	(570) (600) (640)	ft	50	100	25
65	500	780	390	260	(645) (685) (730)	ft	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS								
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)								
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT								
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS								
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP								
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT								
6	** TABLE 6F-101 (CA)								

WORK HOURS
7:00AM - 3:30PM



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

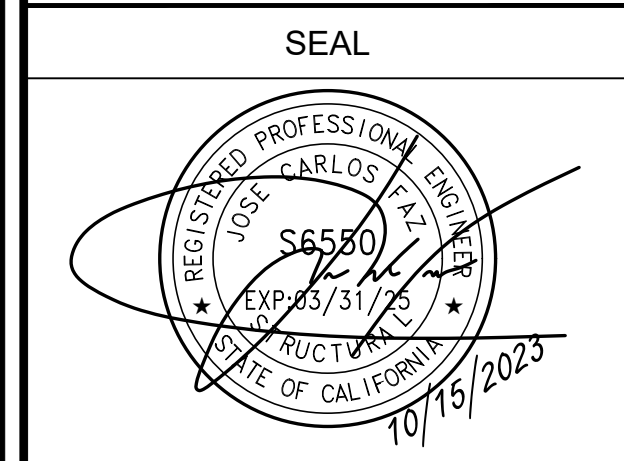


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069679

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
0	12/27/21	100% CD	BN
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4	10/15/23	SURVEY SHT/BOLLARD ADD	MZ



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SITE INFORMATION

SITE ID:
ST118A_

SITE ADDRESS:
1135 JOHNSON BLVD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST133A_

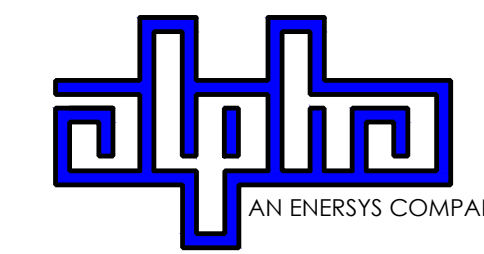
SITE ADDRESS: 1146 CARSON AVE, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

Table with site information including address, coordinates, jurisdiction, power provider, structure type, output voltage spec, input voltage spec, amp draw, hydraulic related area, coverage, and cut/fill volume.



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069701

ISSUE STATUS

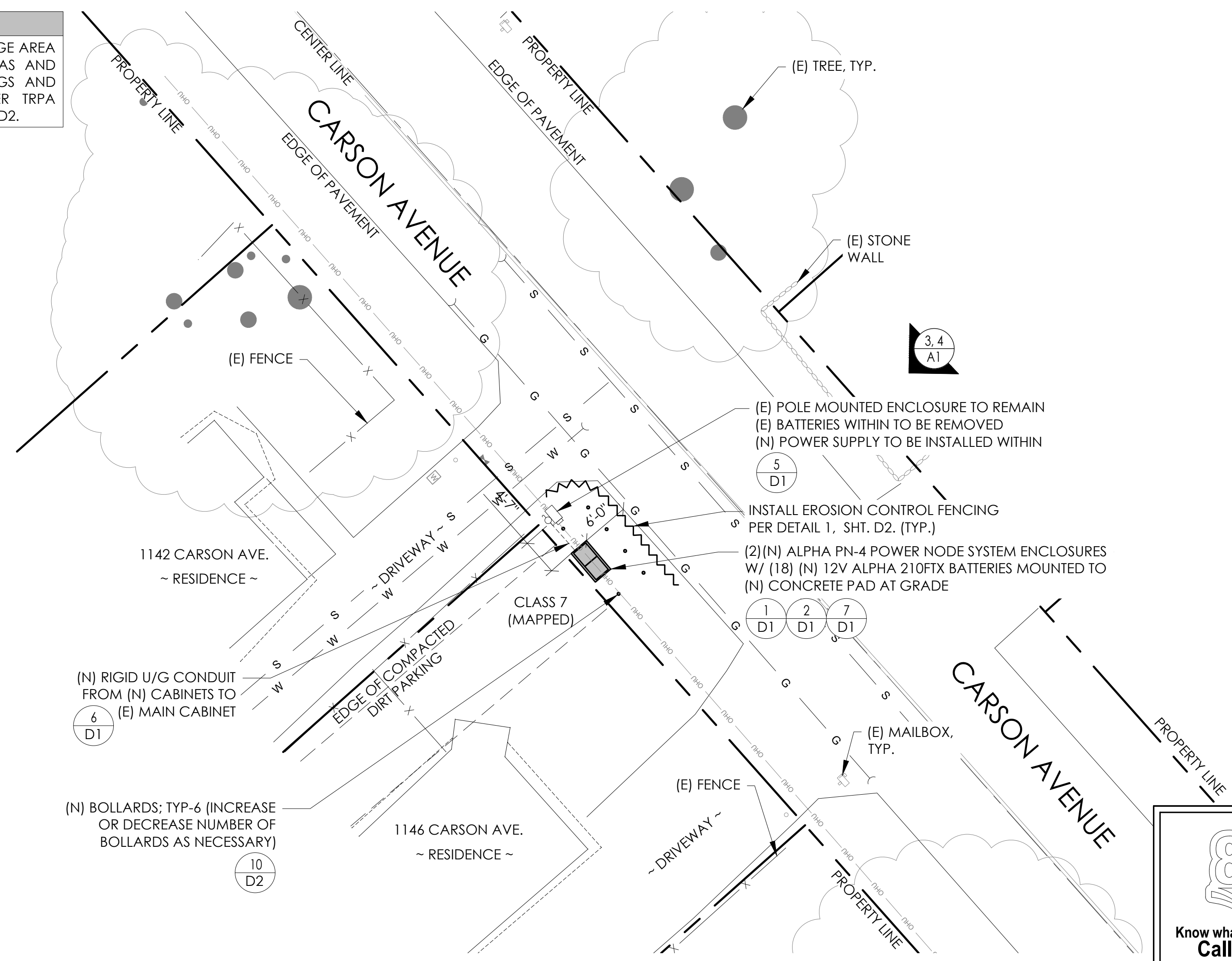
Table with issue status including revision number, date, description, and author.

2B SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



811 logo and text: TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811. TOLL FREE: 1-800-227-2600 OR www.usanorth811.org. CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.

DRAWING INDEX

Table with drawing index including sheet number and description.

PROJECT TEAM

Table with project team information including owner, engineer/architect, and applicant details.

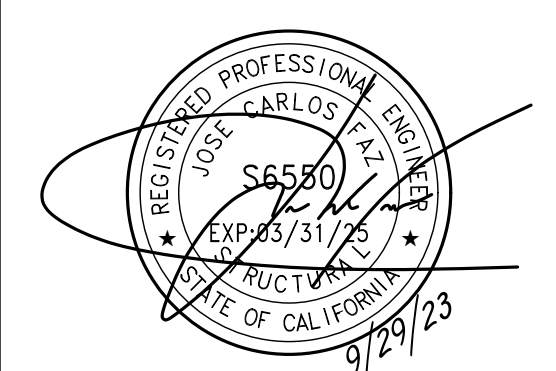
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID: ST133A_

SITE ADDRESS: 1146 CARSON AVE, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

T1

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"
Scale bar and north arrow.



VICINITY MAP
N.T.S.



PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

 **Eaton Land Surveying, Inc.**
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST133A
1146 CARSON AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/29/2023
BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 18' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE 'CRTN' REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

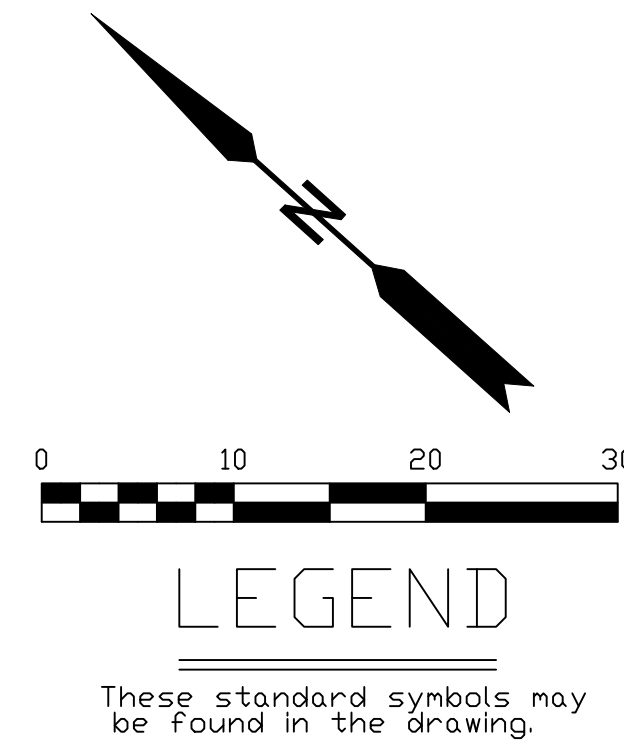
FLOOD ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0386F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

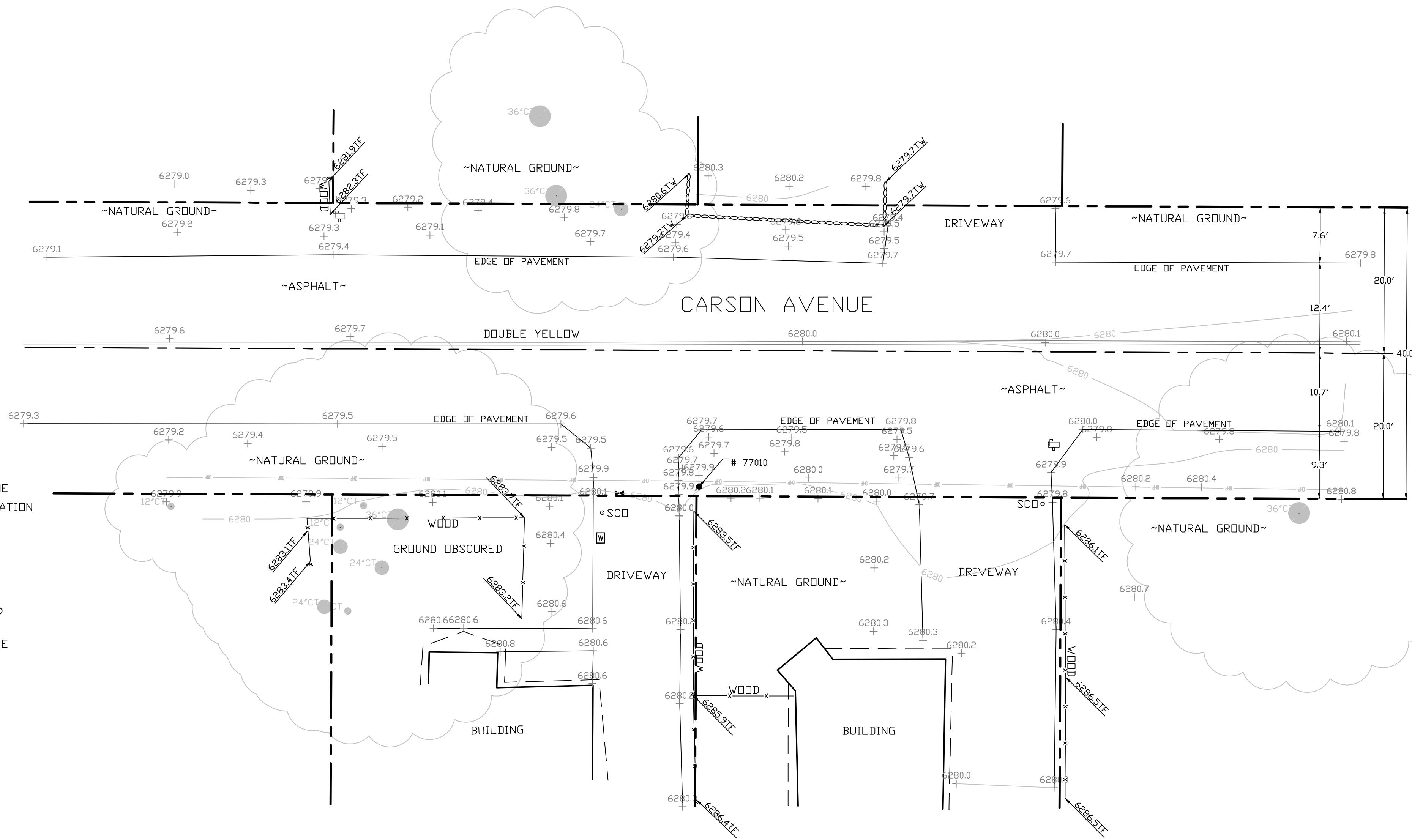
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 45 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION

TITLE REPORT PARCEL
APN: 031-156-015-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032333 DATED 08/31/2023;



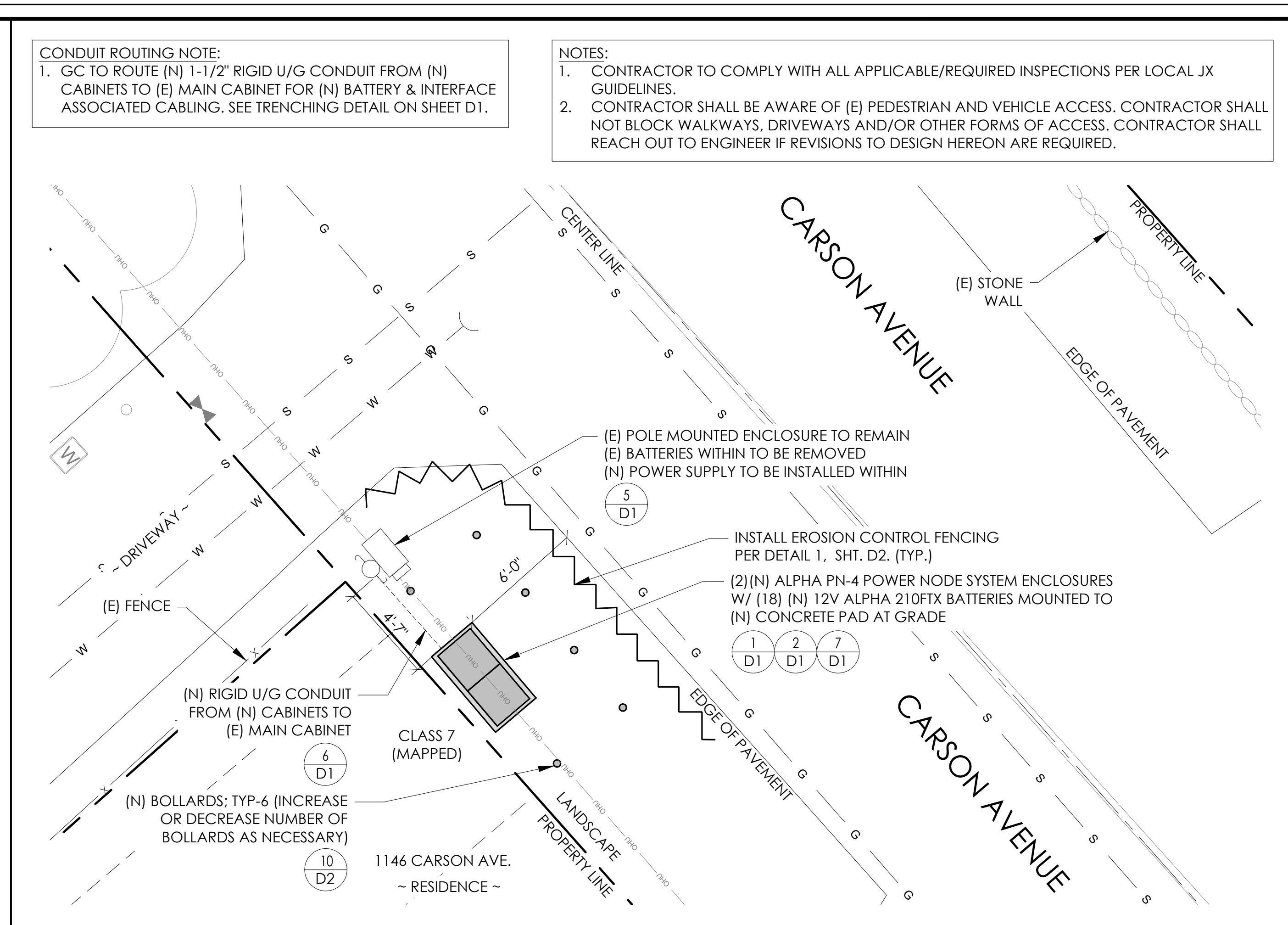
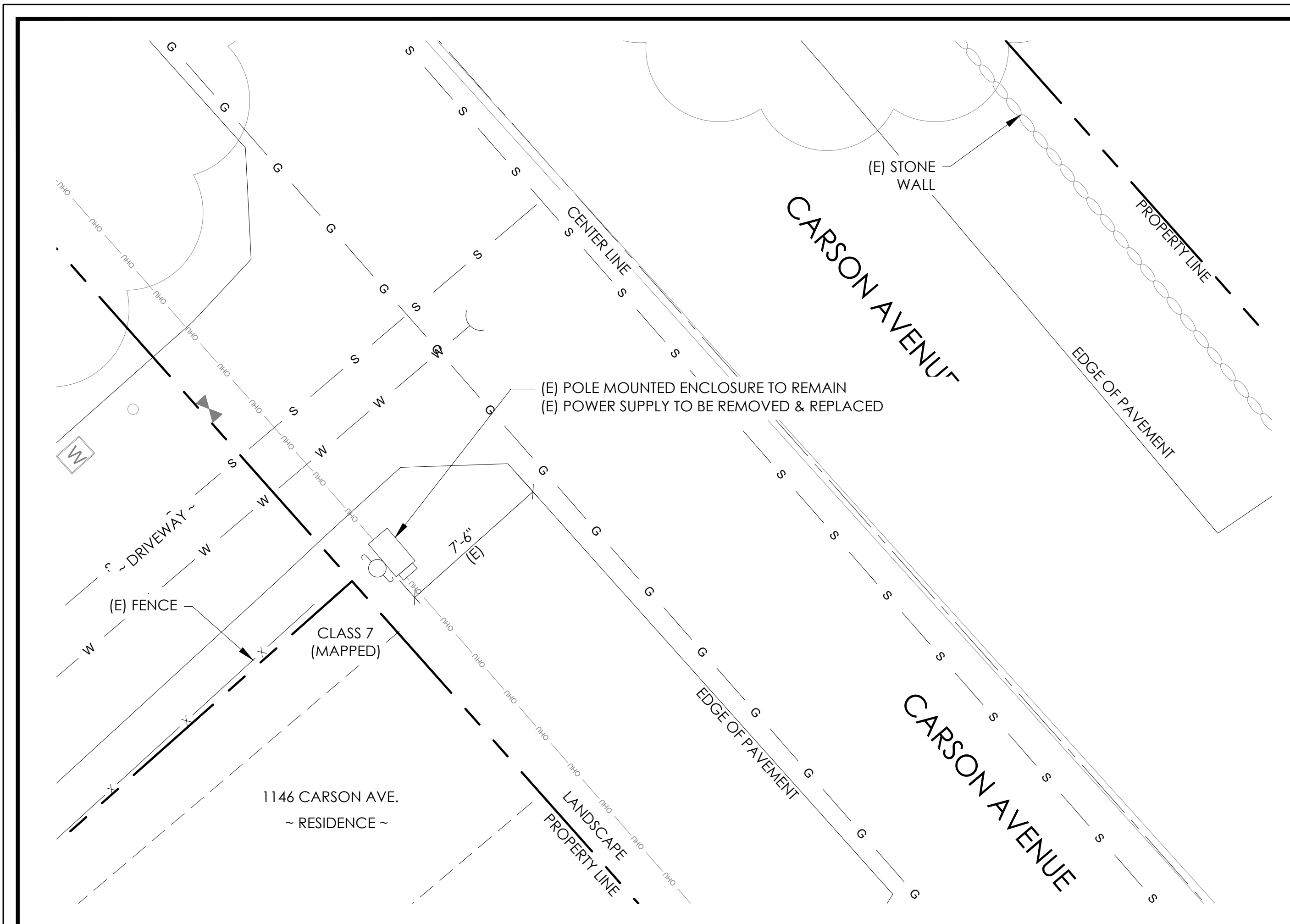
- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX (MOVABLE)
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'

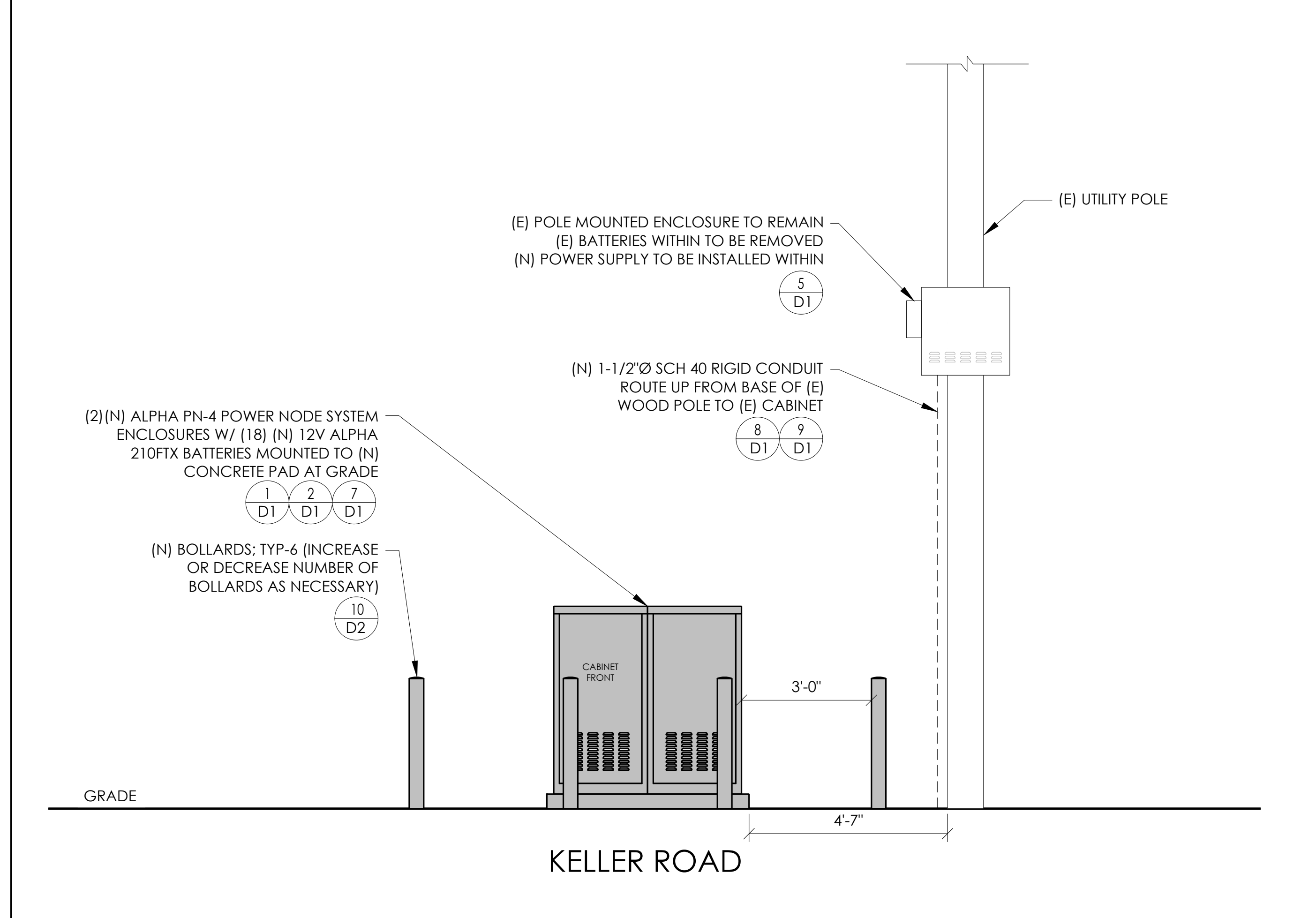
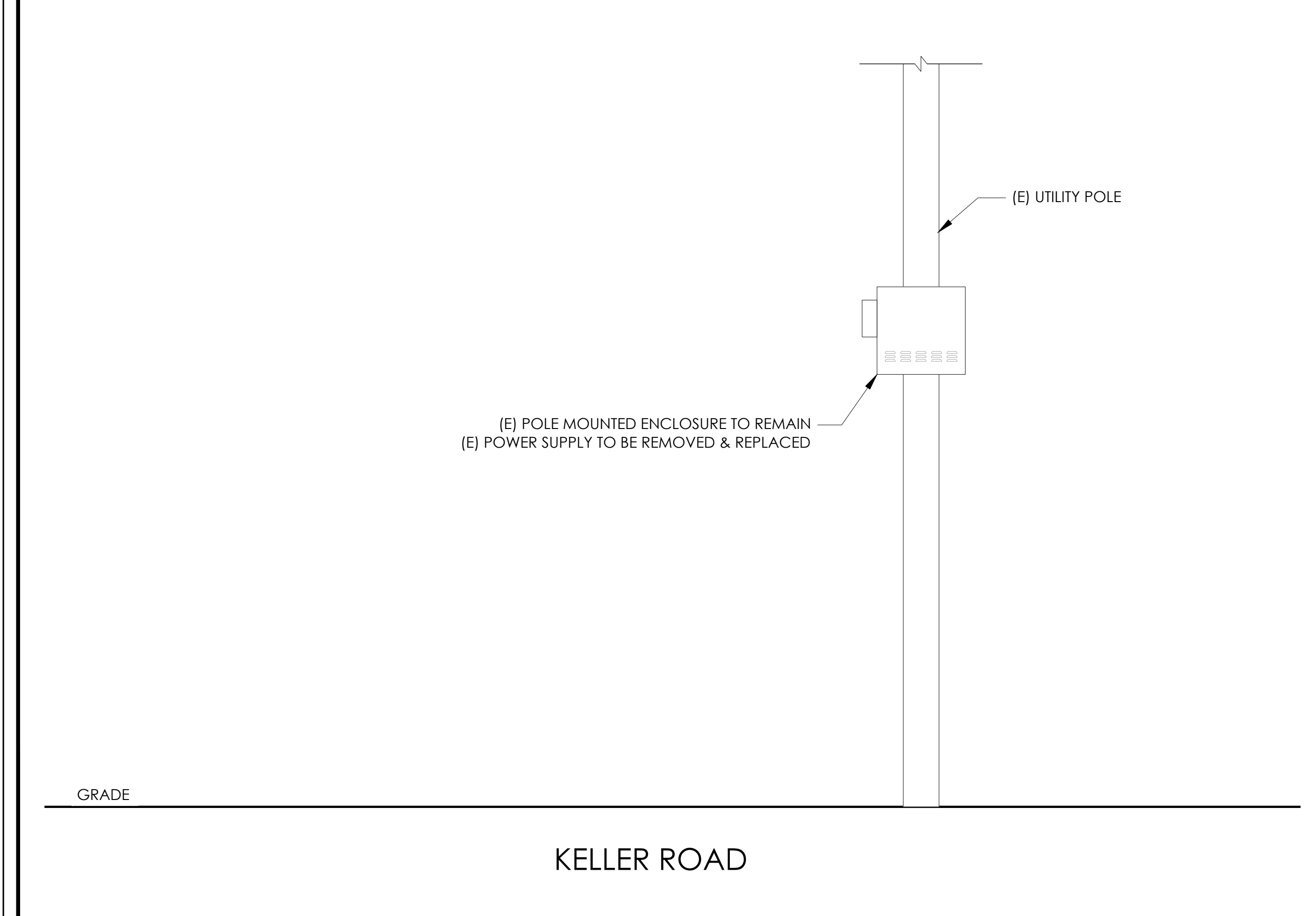


Know what's below.
Call before you dig.



EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 3

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
ARCHITECTS

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069701

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/29/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	10/18/22	100% CD REVISION	JG
3	11/28/22	100% CD REV PER PCC#1	AW
4	05/25/23	100% CD REV PER PCC#1	JG
5	09/28/23	SURVEY SHEET ADDED	MZ

SEAL

REGISTERED PROFESSIONAL ENGINEER
CARLOS F. L. L. L.
S6550
EXPIRES 3/31/25
STATE OF CALIFORNIA
9/29/23

SITE INFORMATION

SITE ID:
ST133A_

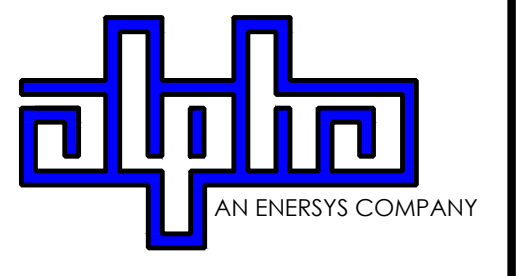
SITE ADDRESS:
1146 CARSON AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



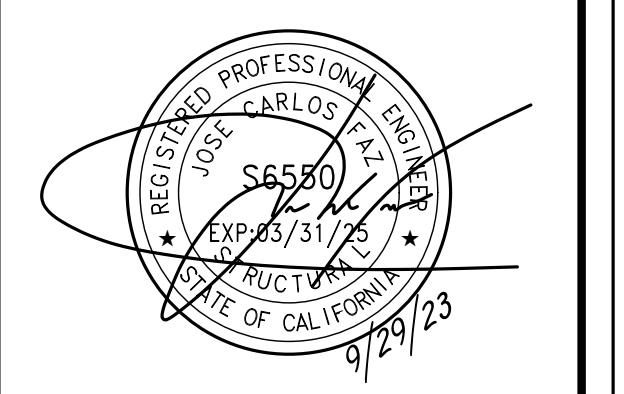
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069701

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/29/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	10/18/22	100% CD REVISION	JG
3	11/28/22	100% CD REV PER PCC#1	AW
4	05/25/23	100% CD REV PER PCC#1	JG
5	09/28/23	SURVEY SHEET ADDED	MZ

SEAL



SITE INFORMATION

SITE ID:
ST133A_

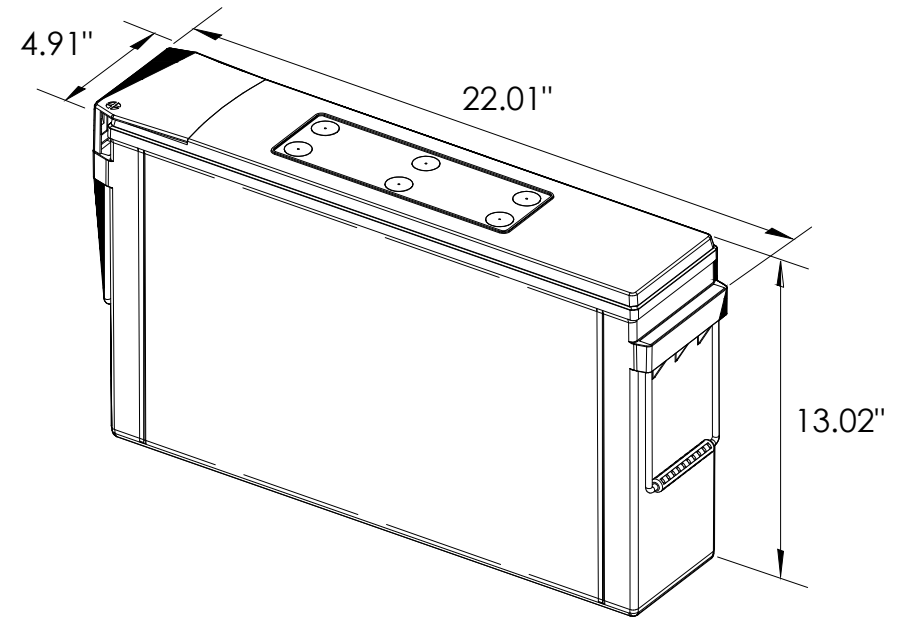
SITE ADDRESS:
1146 CARSON AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS

D1



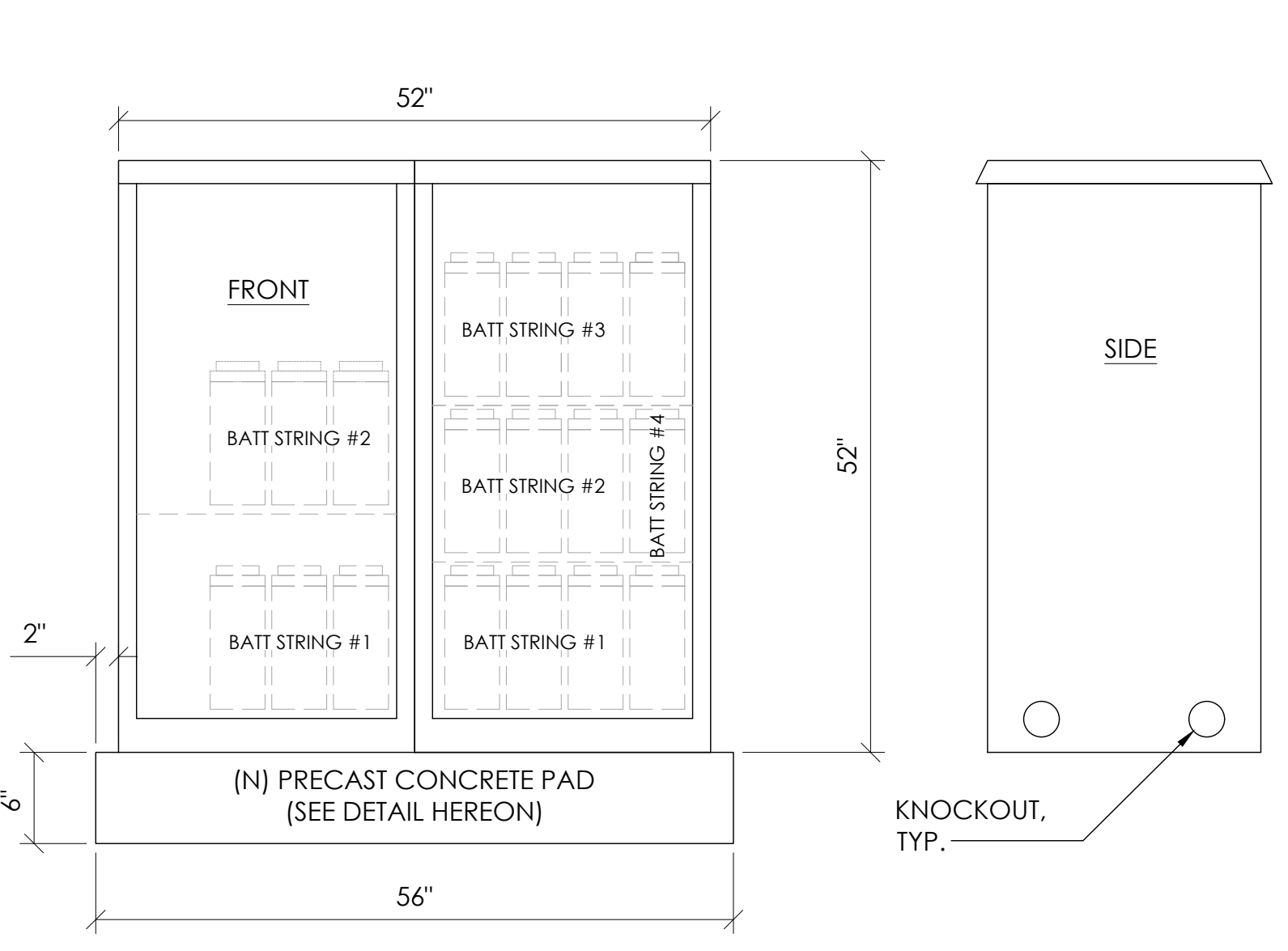
ALPHA
210 FIX BATTERY UNIT



EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

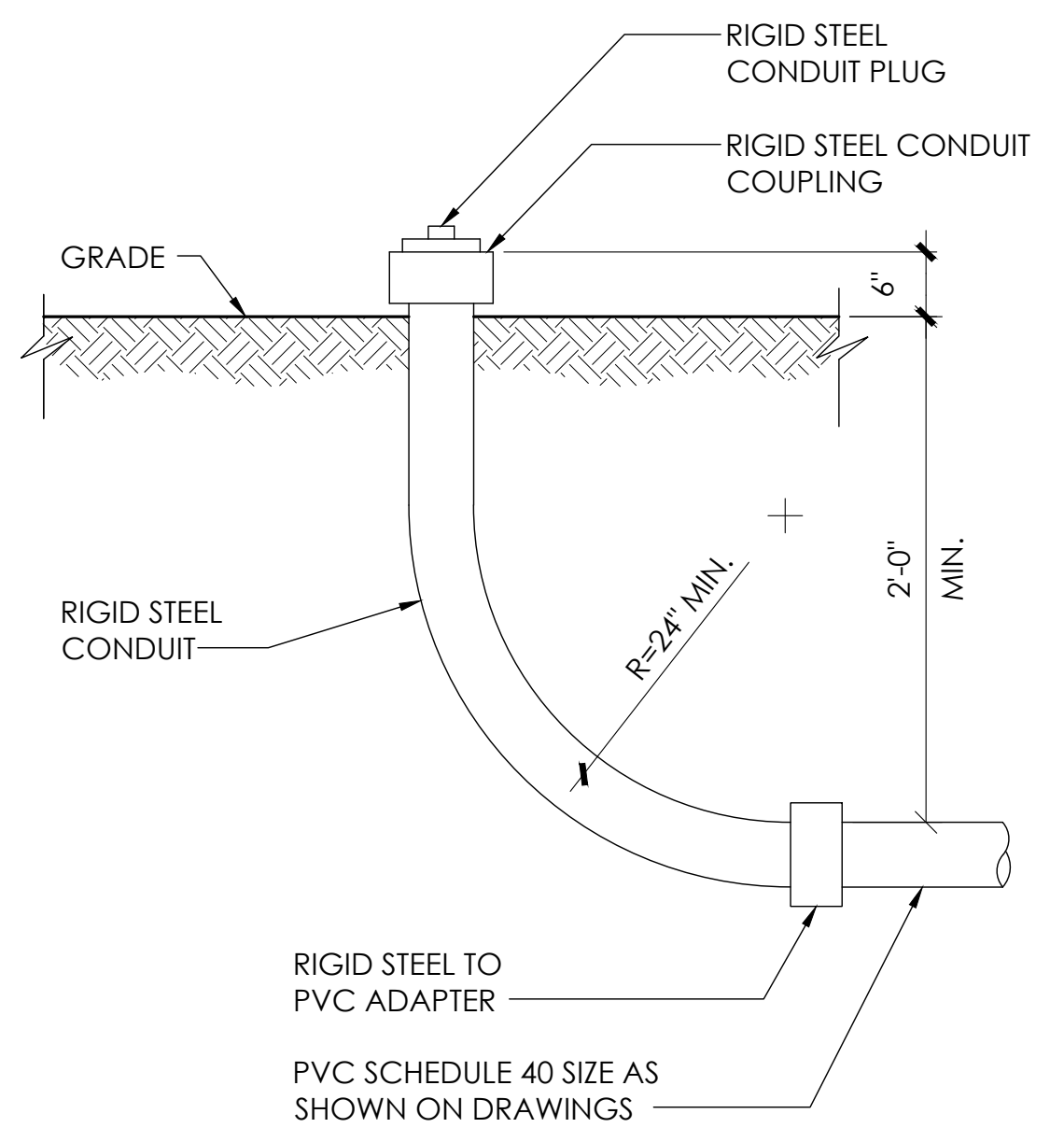
BATTERY INFORMATION (VRLA TYPE BATTERIES)										
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS	
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION: CABINET #1: (4) BATTERY STRINGS CABINET #2: (2) BATTERY STRINGS	

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

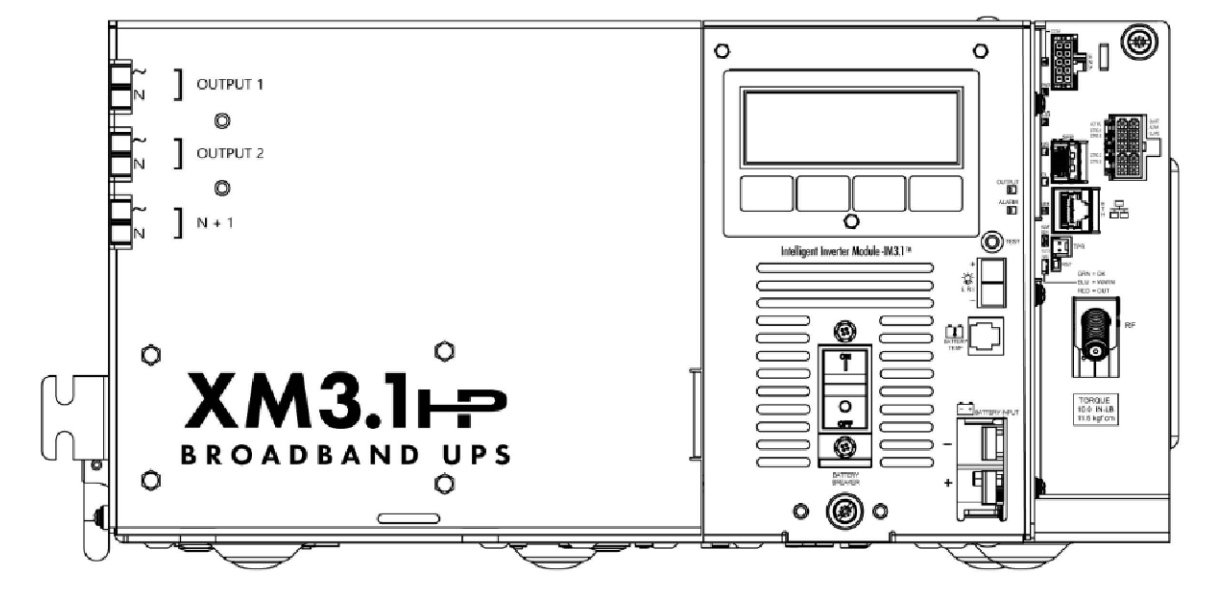


8 STUB-UP DETAIL
N.T.S.

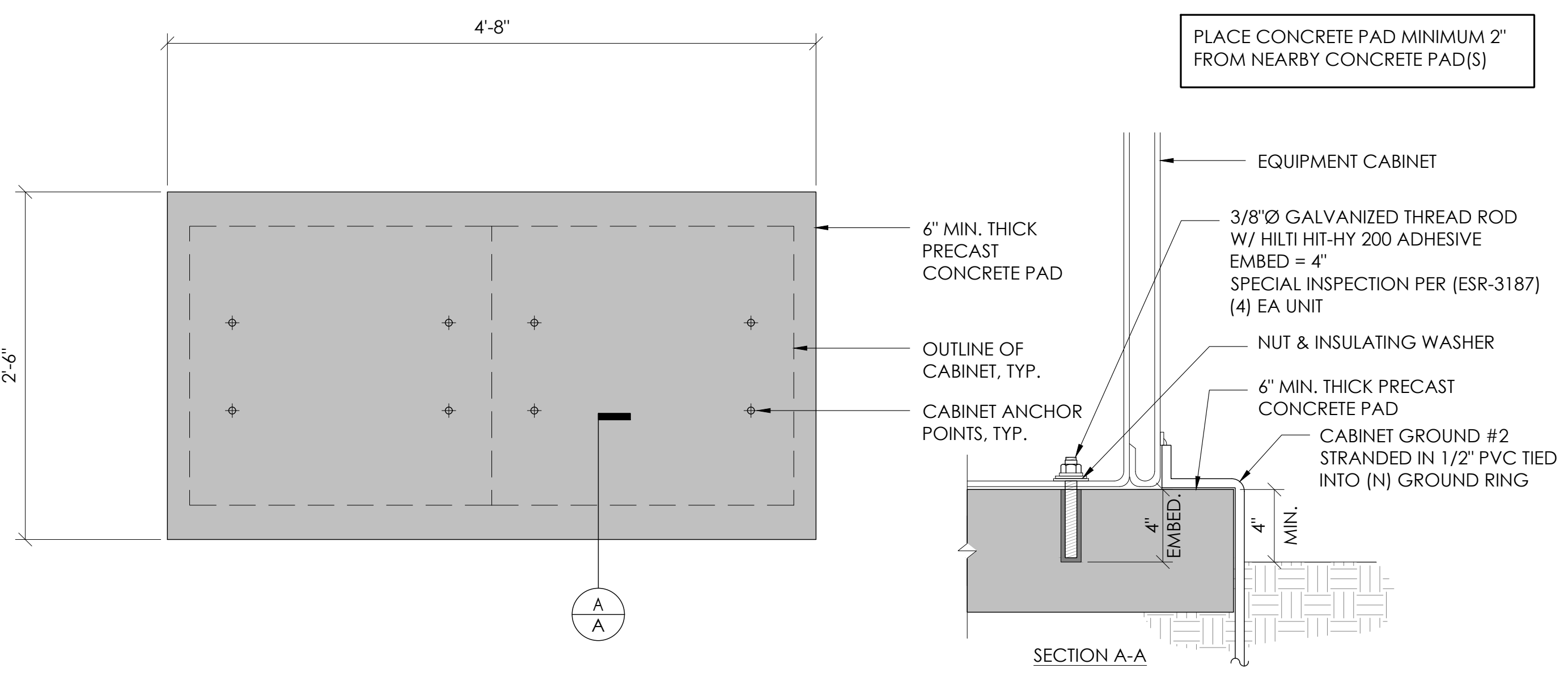
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

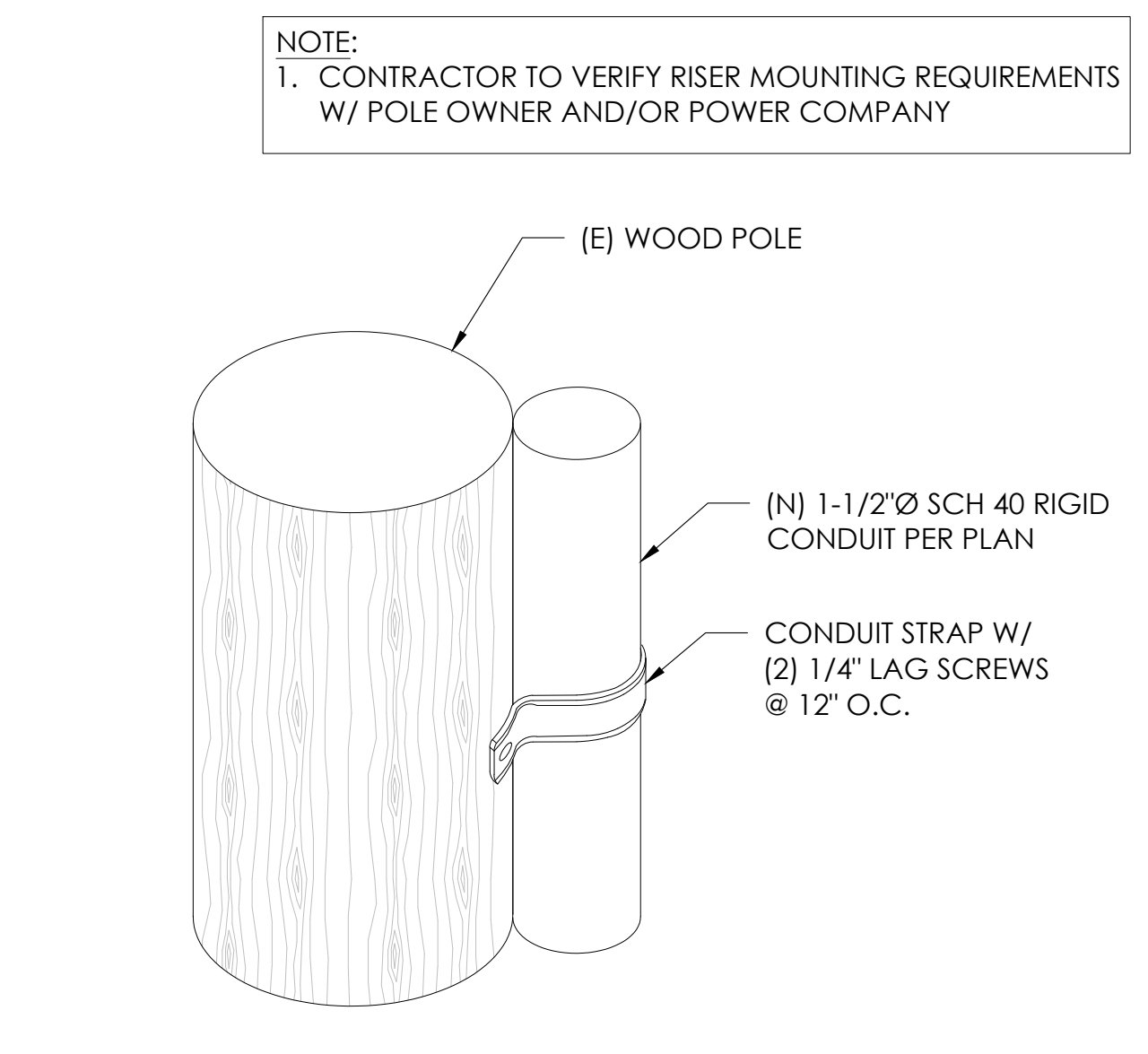
EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS



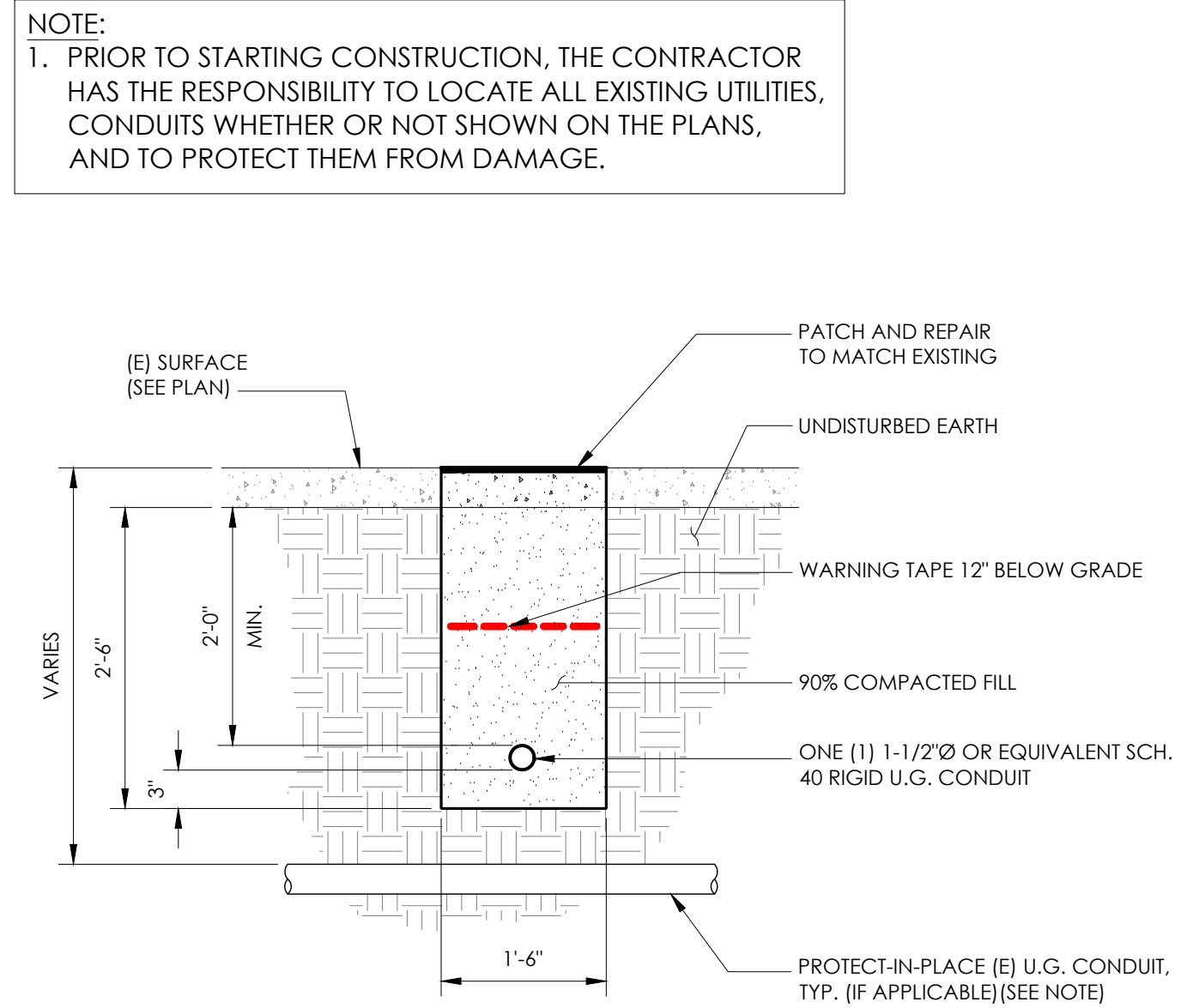
5 POWER SUPPLY DETAIL
N.T.S.



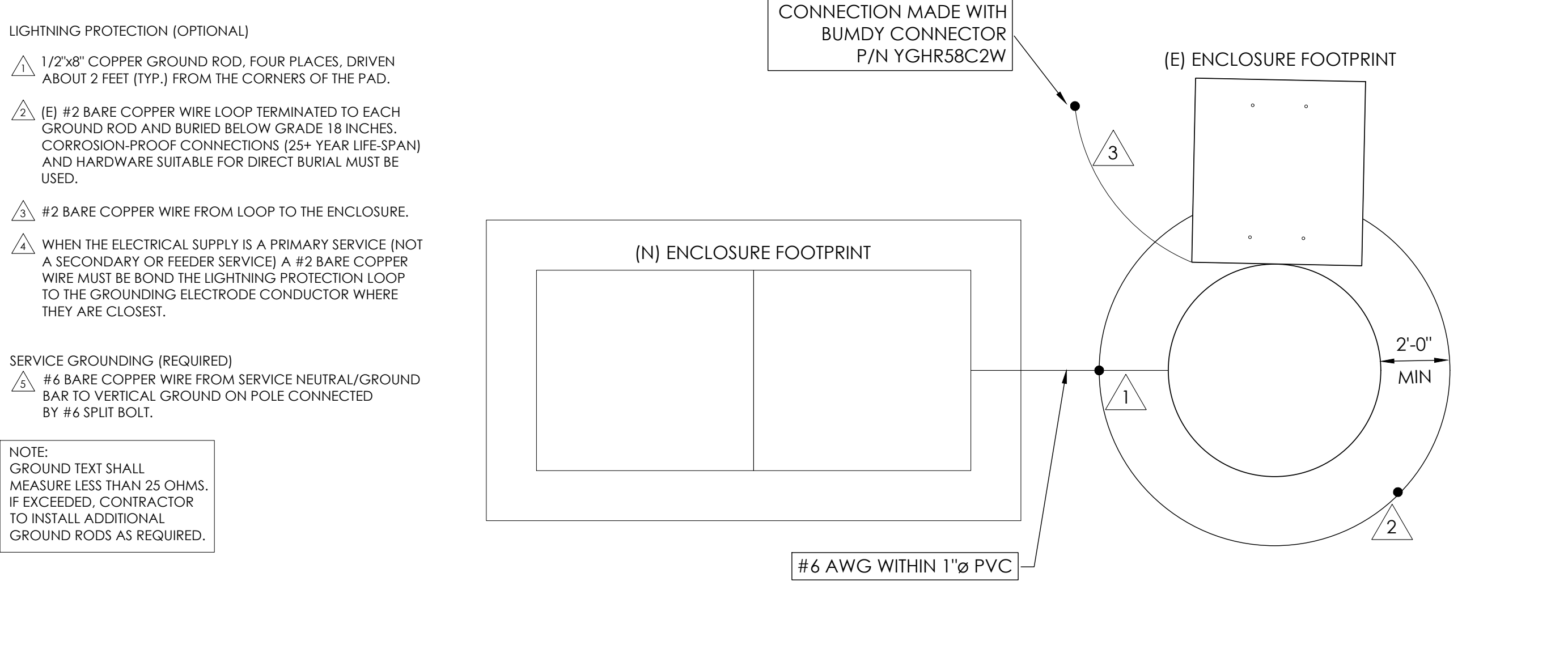
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

⚠ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.

⚠ (E) #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.

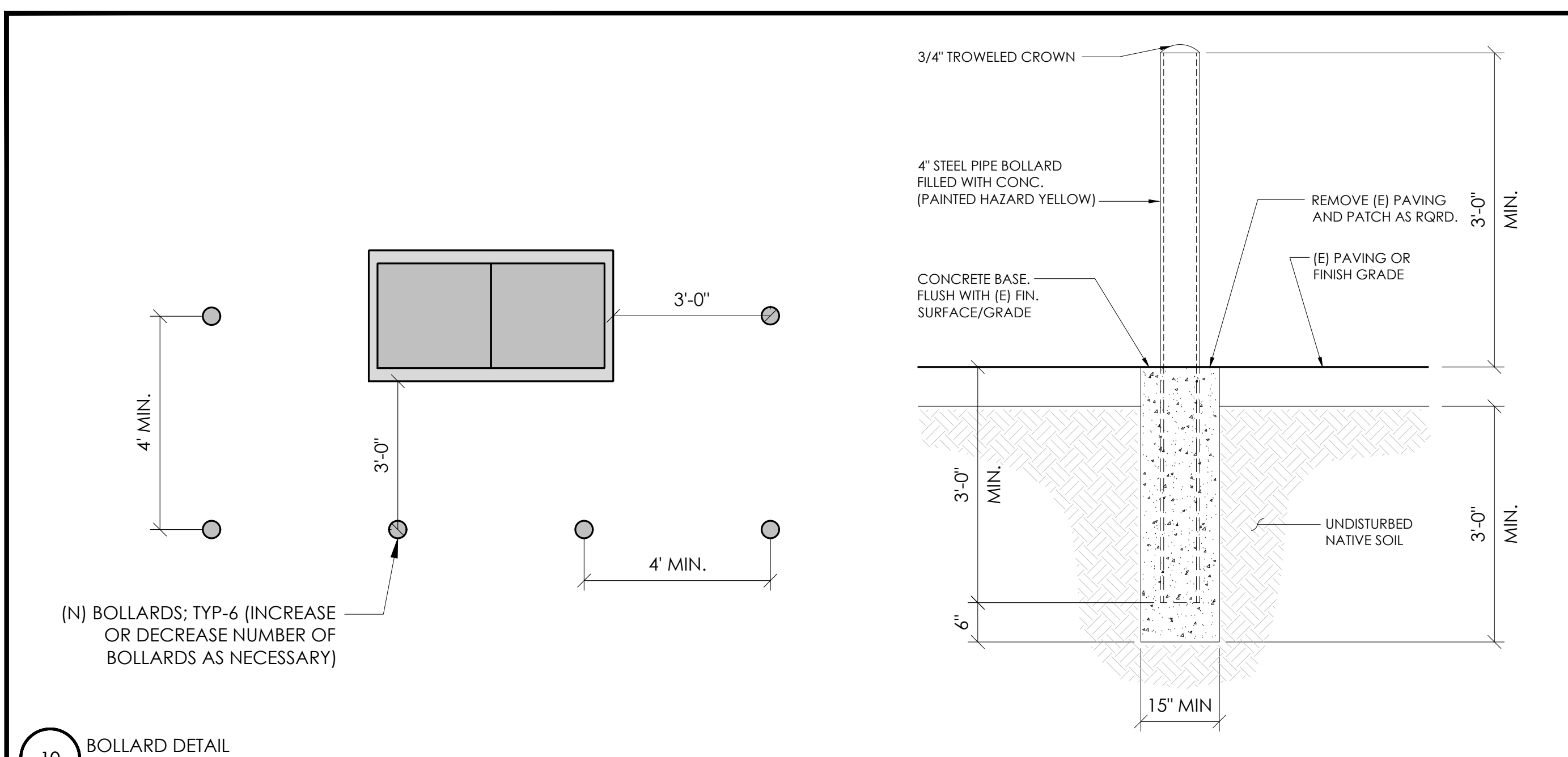
⚠ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.

⚠ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

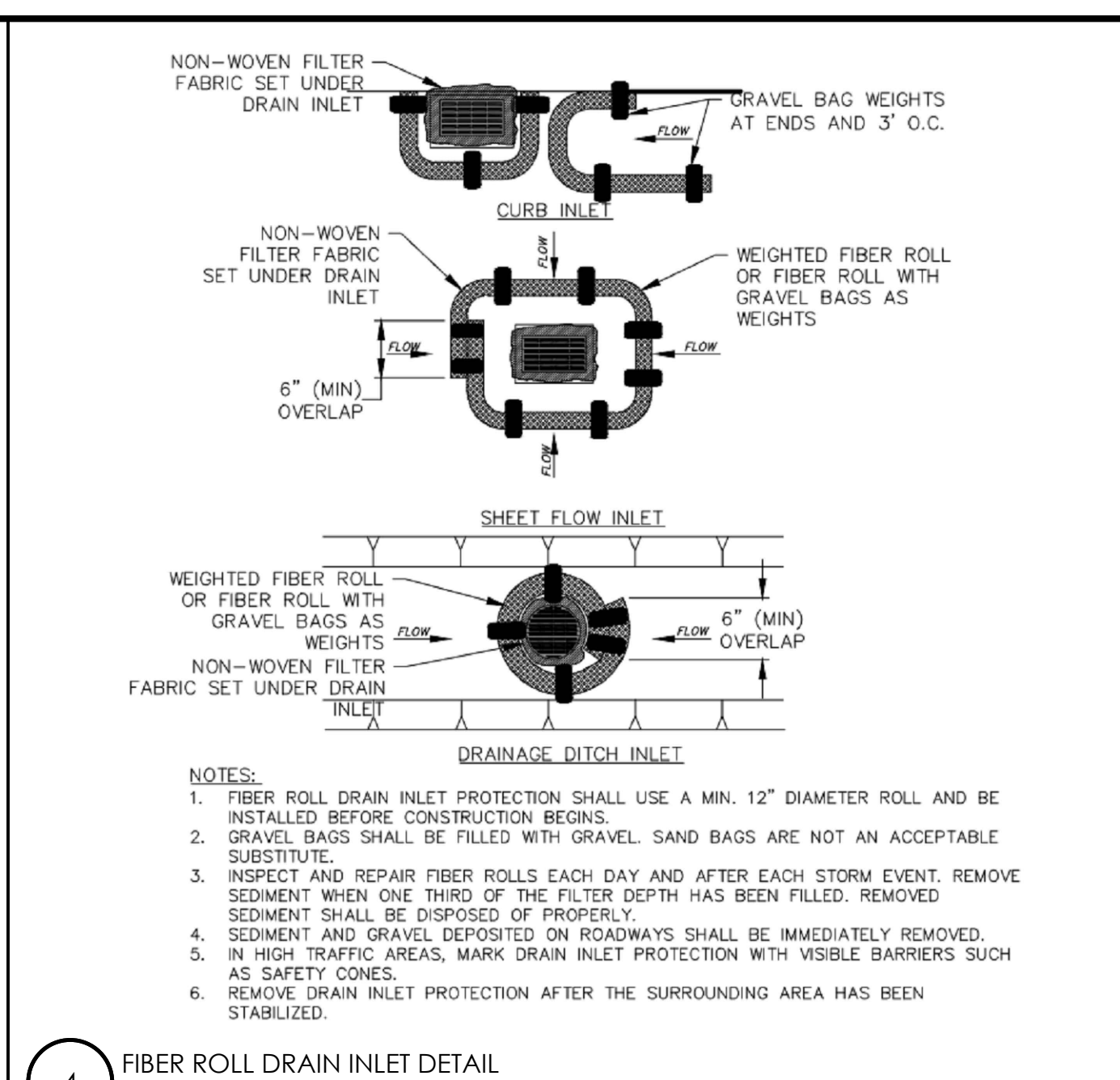
SERVICE GROUNDING (REQUIRED)

⚠ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND ON POLE CONNECTED BY #6 SPLIT BOLT.

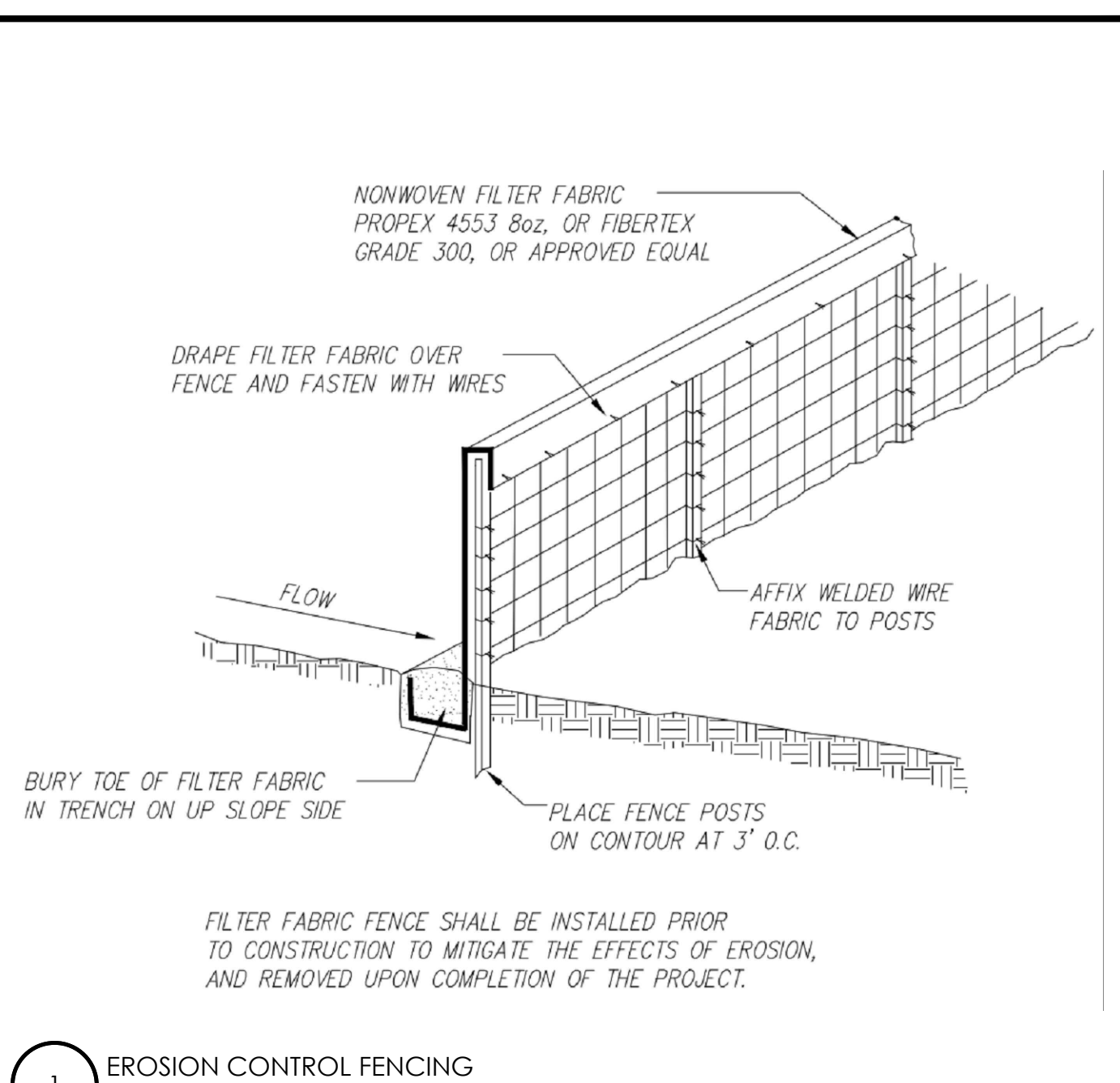
NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.



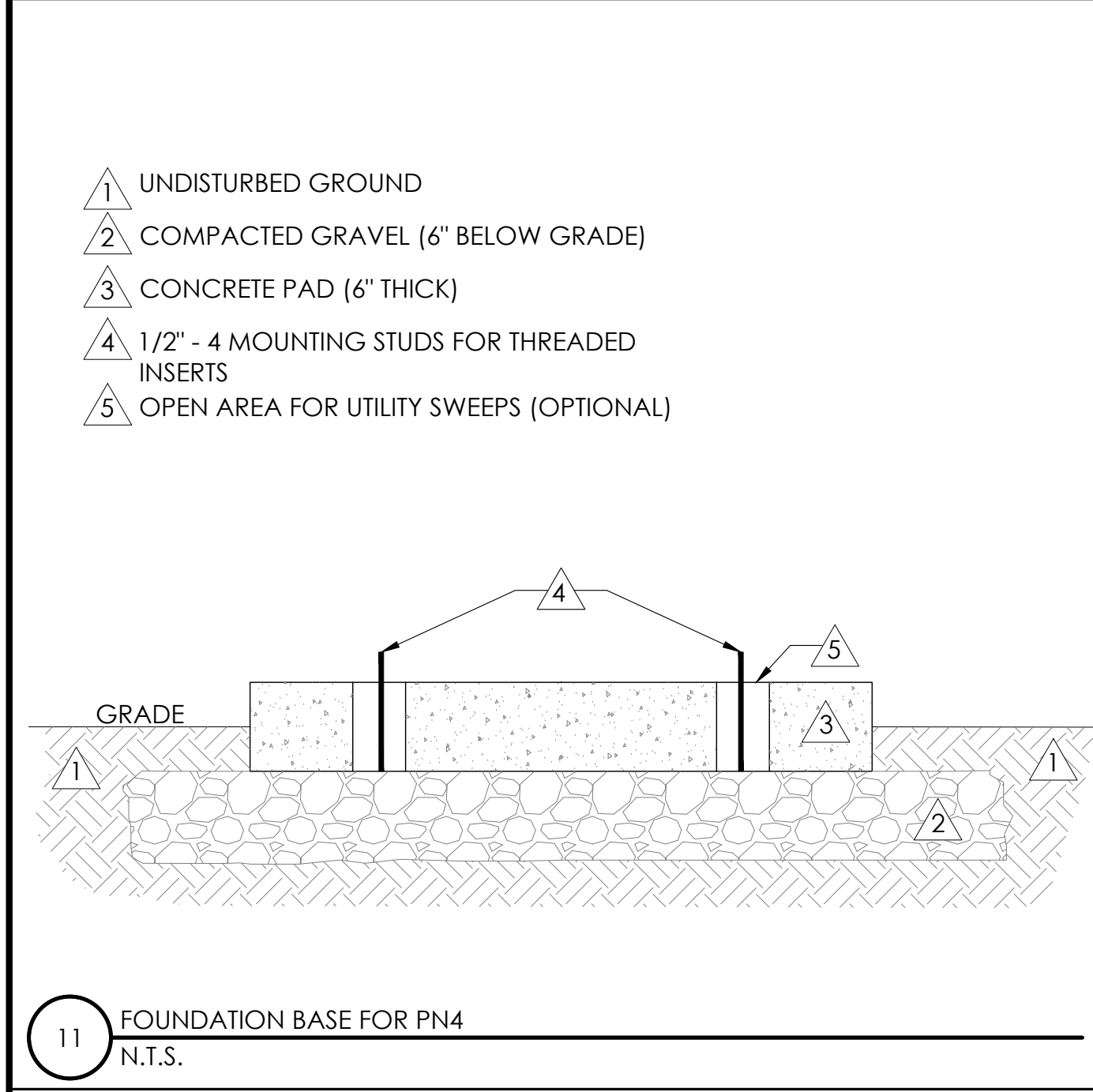
10 BOLLARD DETAIL
N.T.S.



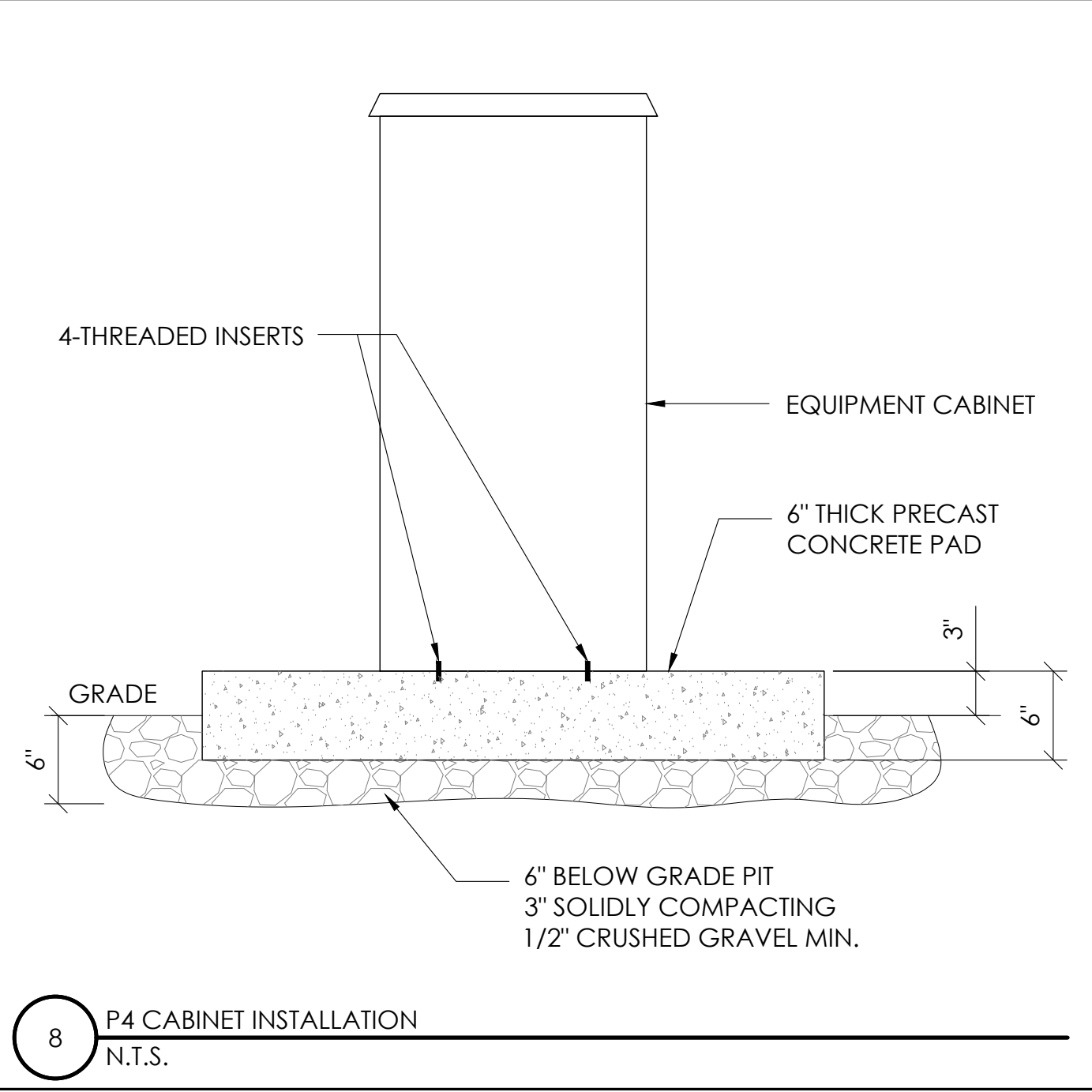
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



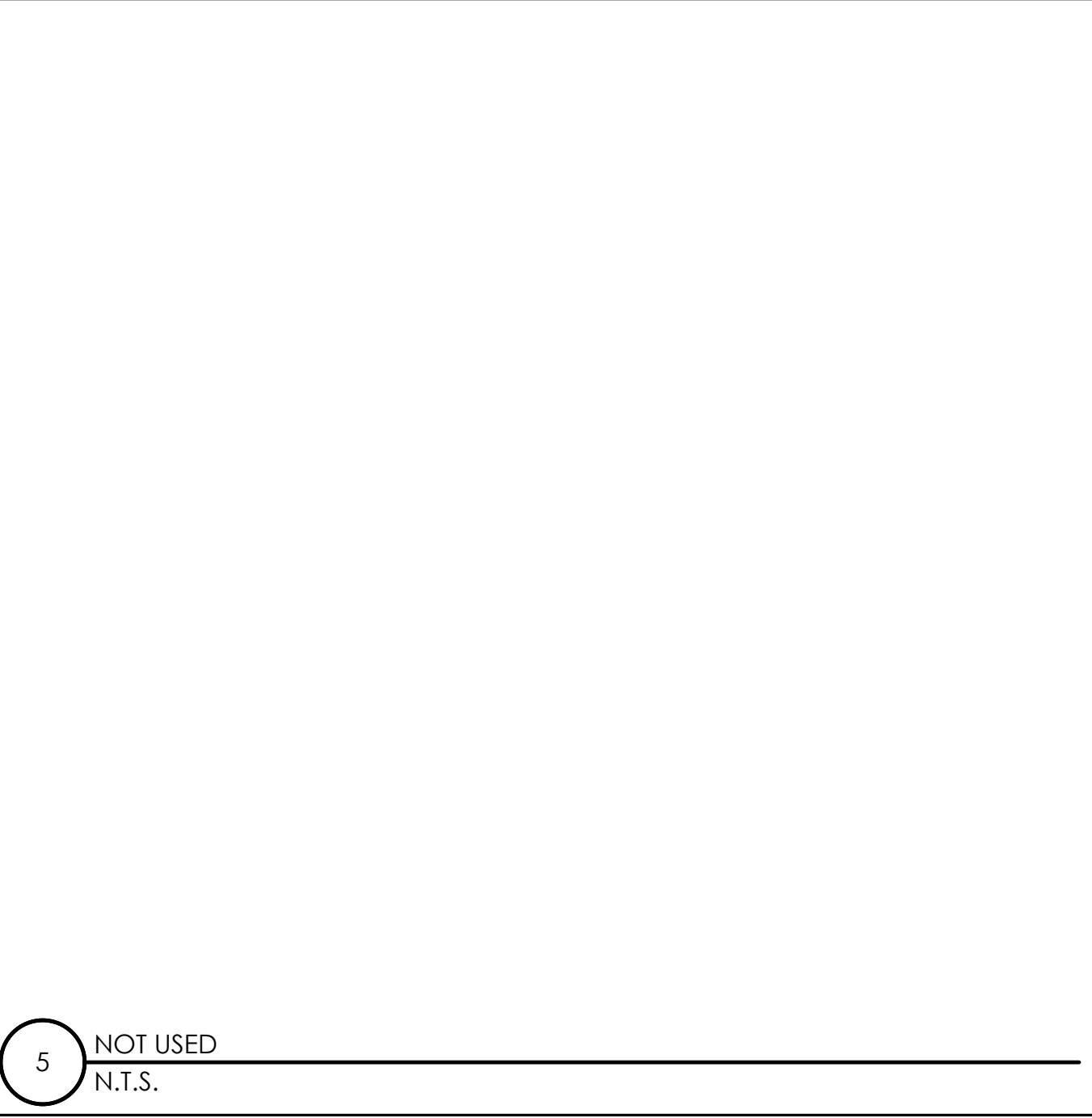
1 EROSION CONTROL FENCING
N.T.S.



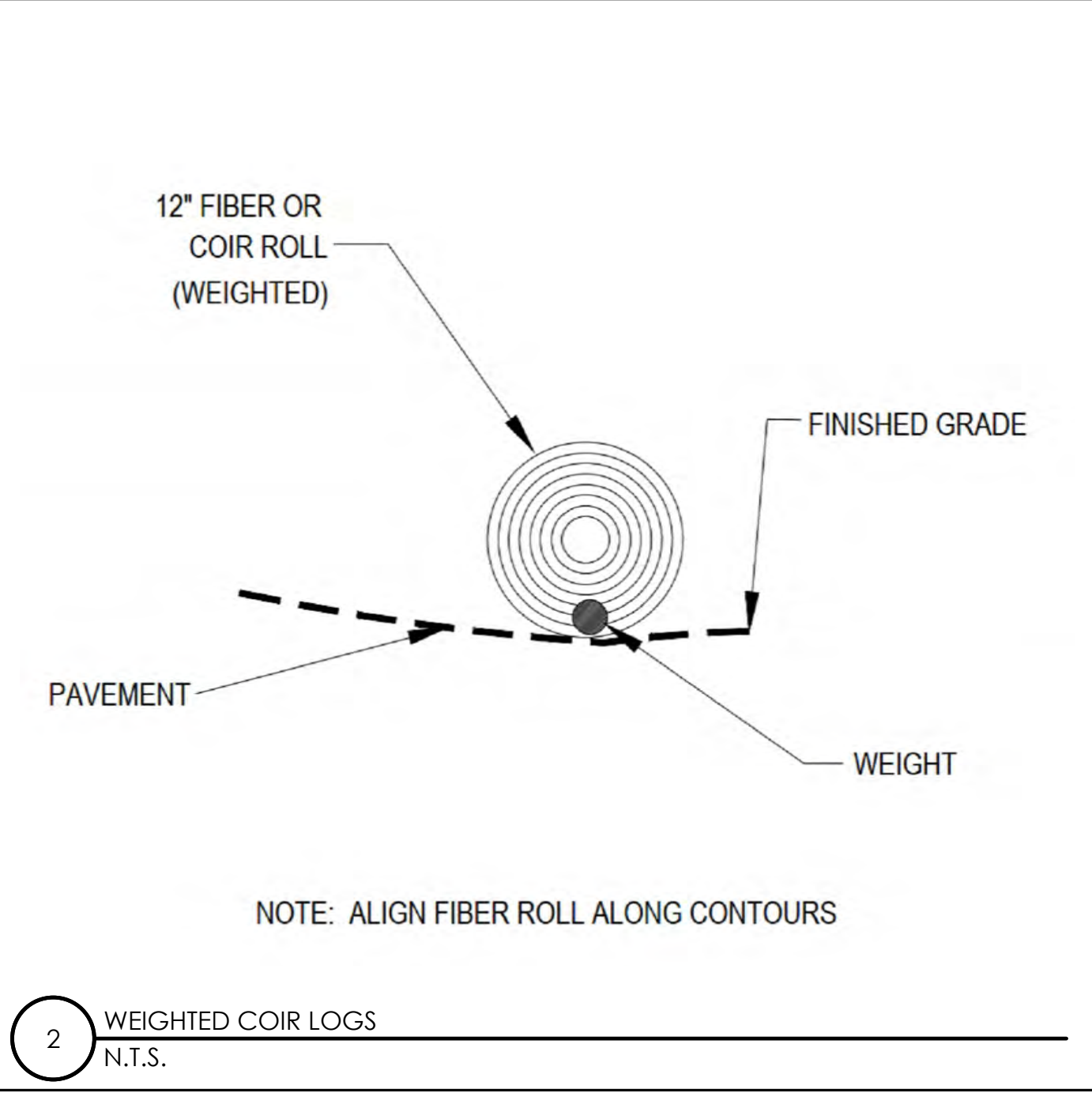
11 FOUNDATION BASE FOR PN4
N.T.S.



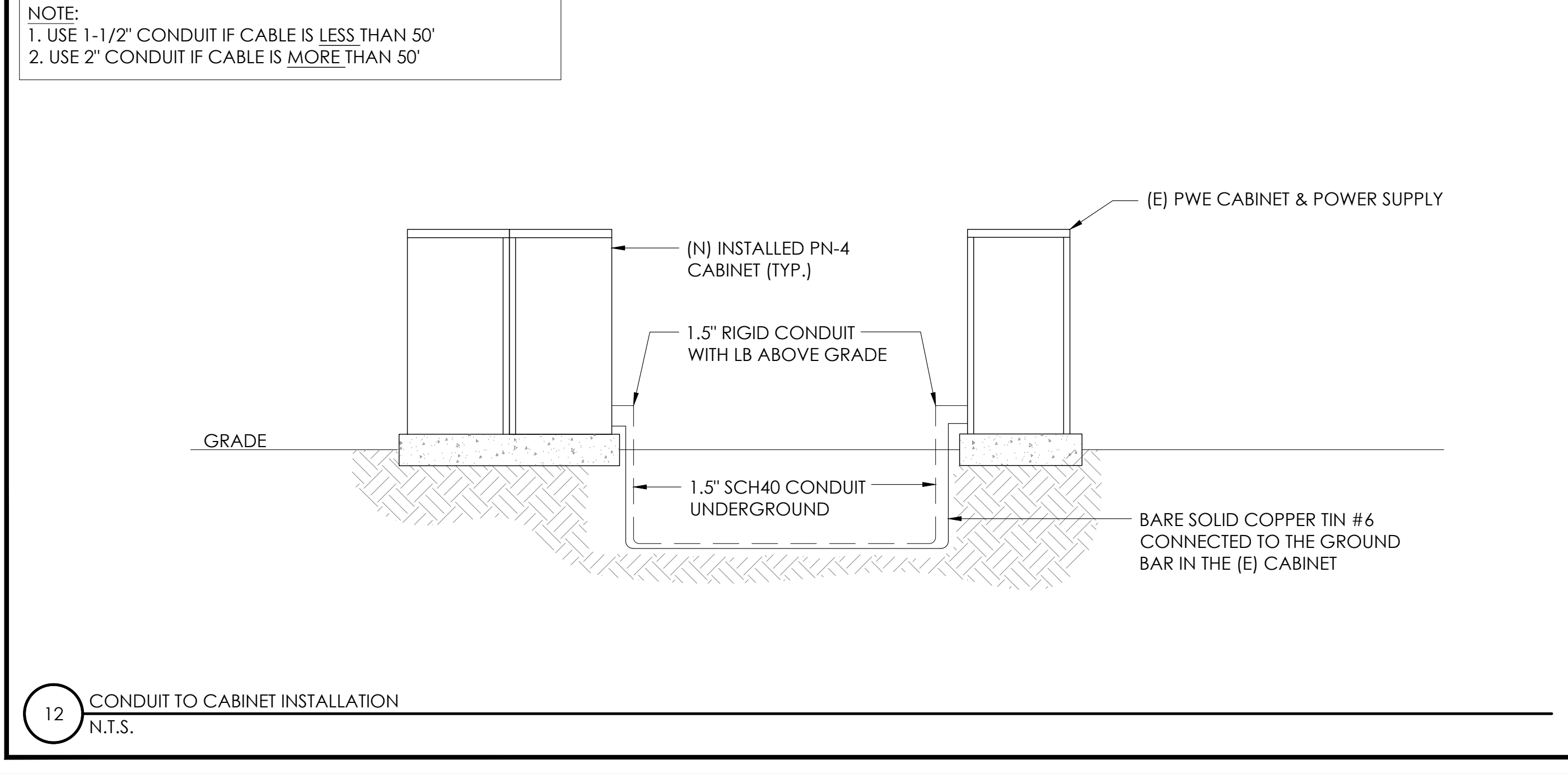
8 P4 CABINET INSTALLATION
N.T.S.



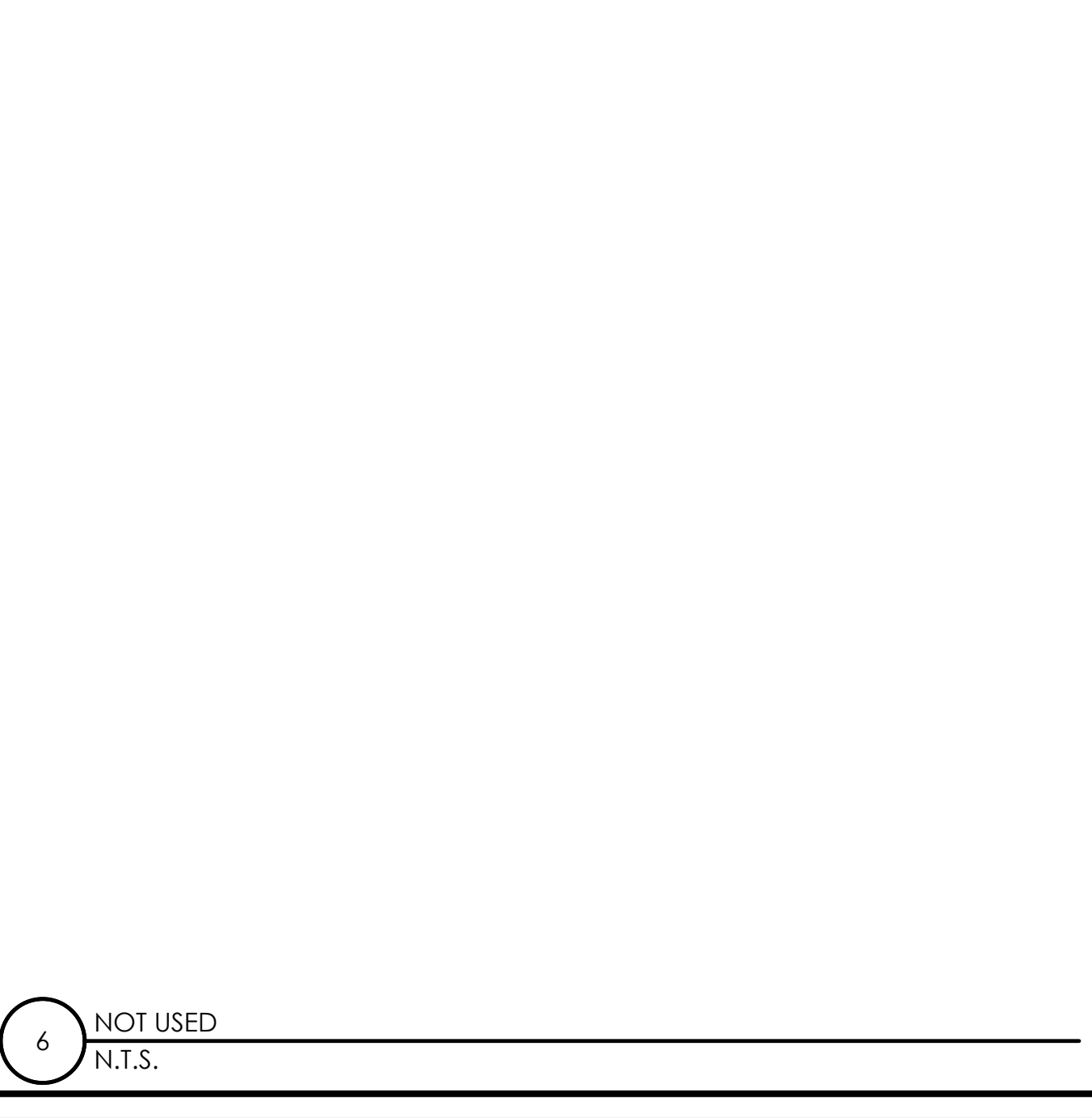
5 NOT USED
N.T.S.



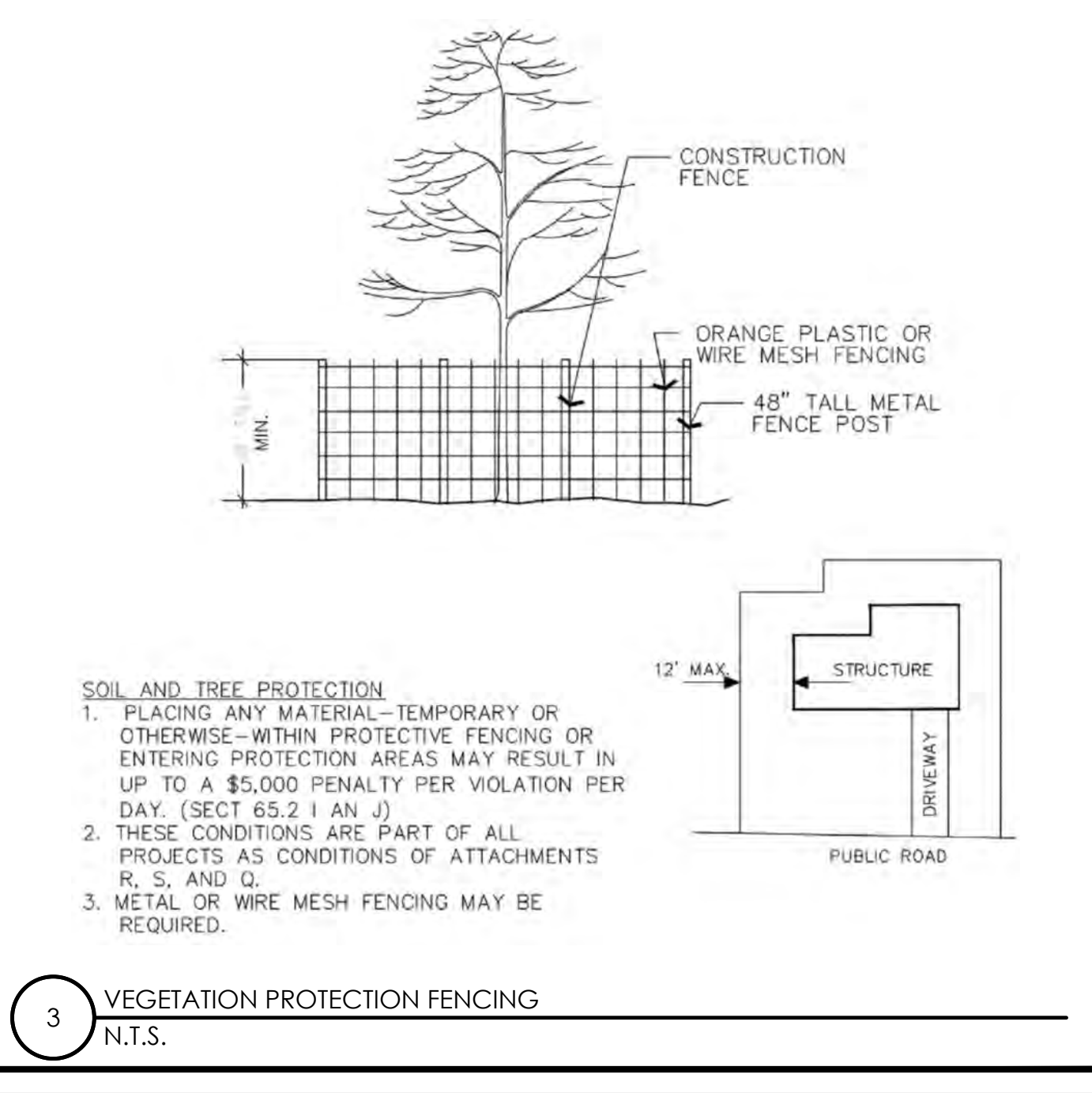
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



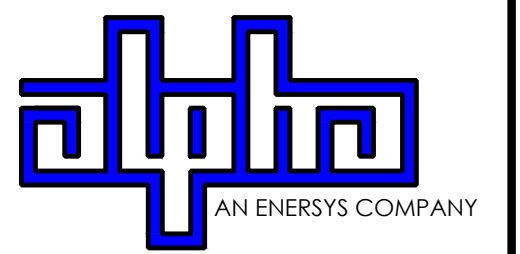
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



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CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

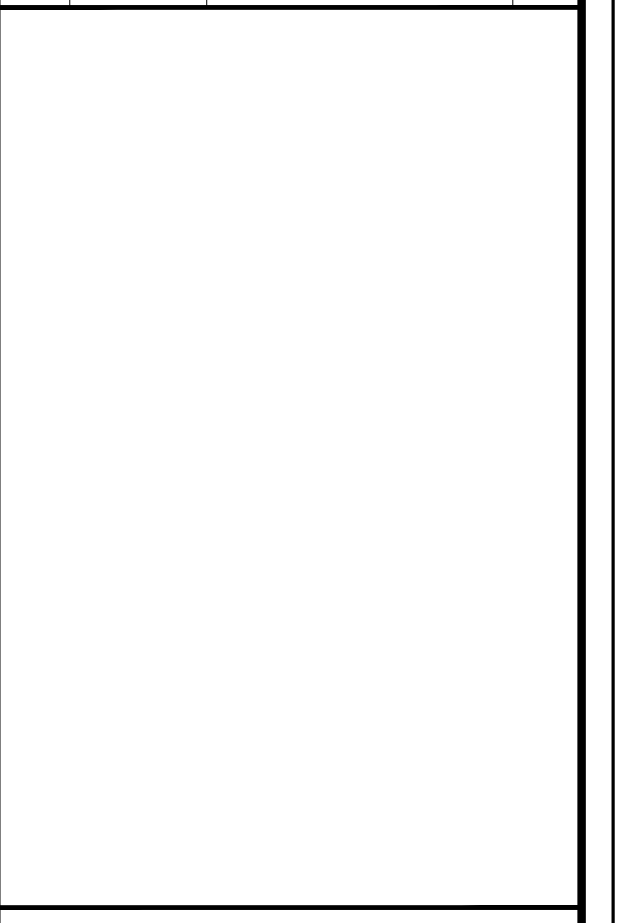


23 MAUCHLY, STE 110
IRVINE, CA 92618

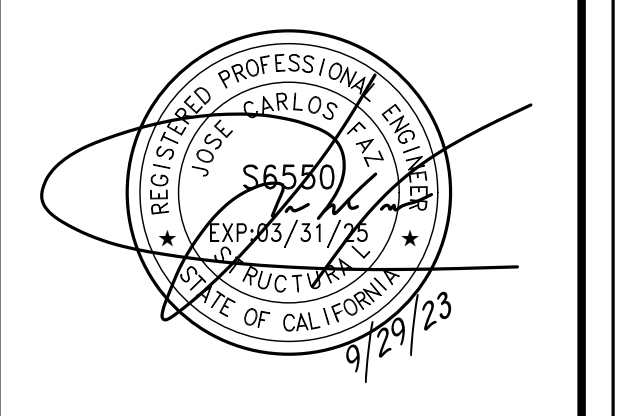
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069701

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/29/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	10/18/22	100% CD REVISION	JG
3	11/28/22	100% CD REV PER PCC#1	AW
4	05/25/23	100% CD REV PER PCC#1	JG
5	09/28/23	SURVEY SHEET ADDED	MZ



SEAL



SITE INFORMATION

SITE ID:
ST133A_

SITE ADDRESS:
1146 CARSON AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS

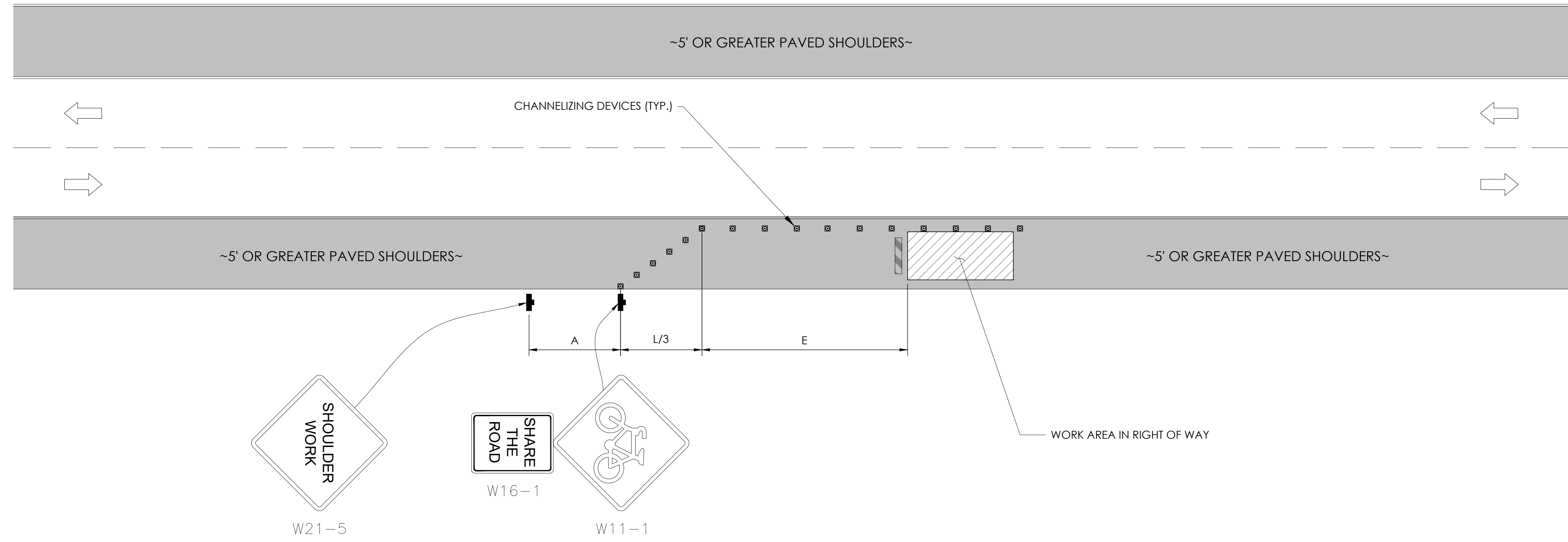
D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
7:00AM - 3:30PM



GENERAL NOTES:

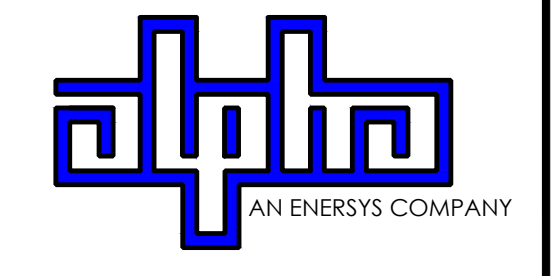
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))			MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					ft	ft	ft			
25	100	125	65	45	(155)	(160)	(135)	25	50	12
30	250	180	90	60	(200)	(205)	(215)	30	60	15
35	250	245	125	85	(250)	(260)	(275)	35	70	17
40	250	320	160	110	(305)	(315)	(335)	40	80	20
45	350	540	270	180	(360)	(380)	(400)	45	90	22
50	350	600	300	200	(425)	(450)	(475)	50	100	25
55	500	660	330	220	(495)	(520)	(555)	50	100	25
60	500	720	360	240	(570)	(600)	(640)	50	100	25
65	500	780	390	260	(645)	(685)	(730)	50	100	25

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

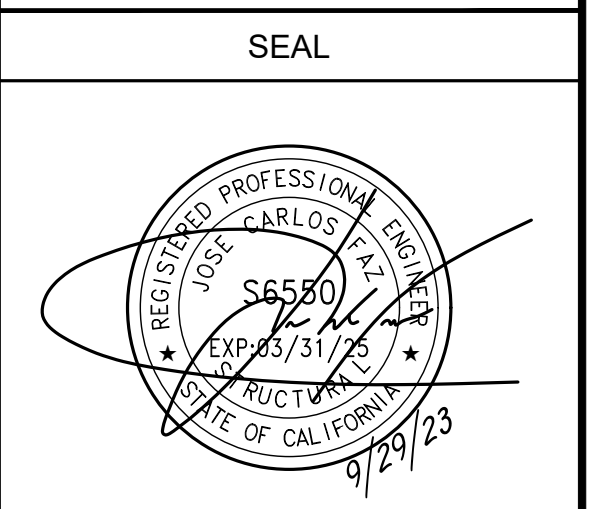


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069701

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/29/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	10/18/22	100% CD REVISION	JG
3	11/28/22	100% CD REV PER PCC#1	AW
4	05/25/23	100% CD REV PER PCC#1	JG
5	09/28/23	SURVEY SHEET ADDED	MZ



SITE INFORMATION

SITE ID:
ST133A_

SITE ADDRESS:
1146 CARSON AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST127A_A

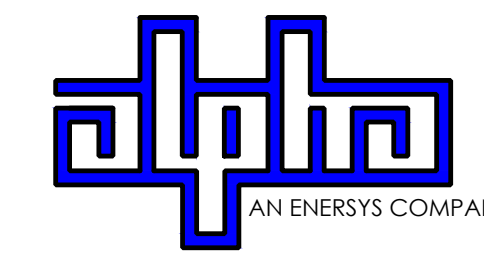
SITE ADDRESS: 1161 KELLER RD, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	1161 KELLER RD SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.946805, -119.945815
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	90
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	6
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	1.5 C.Y.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058517

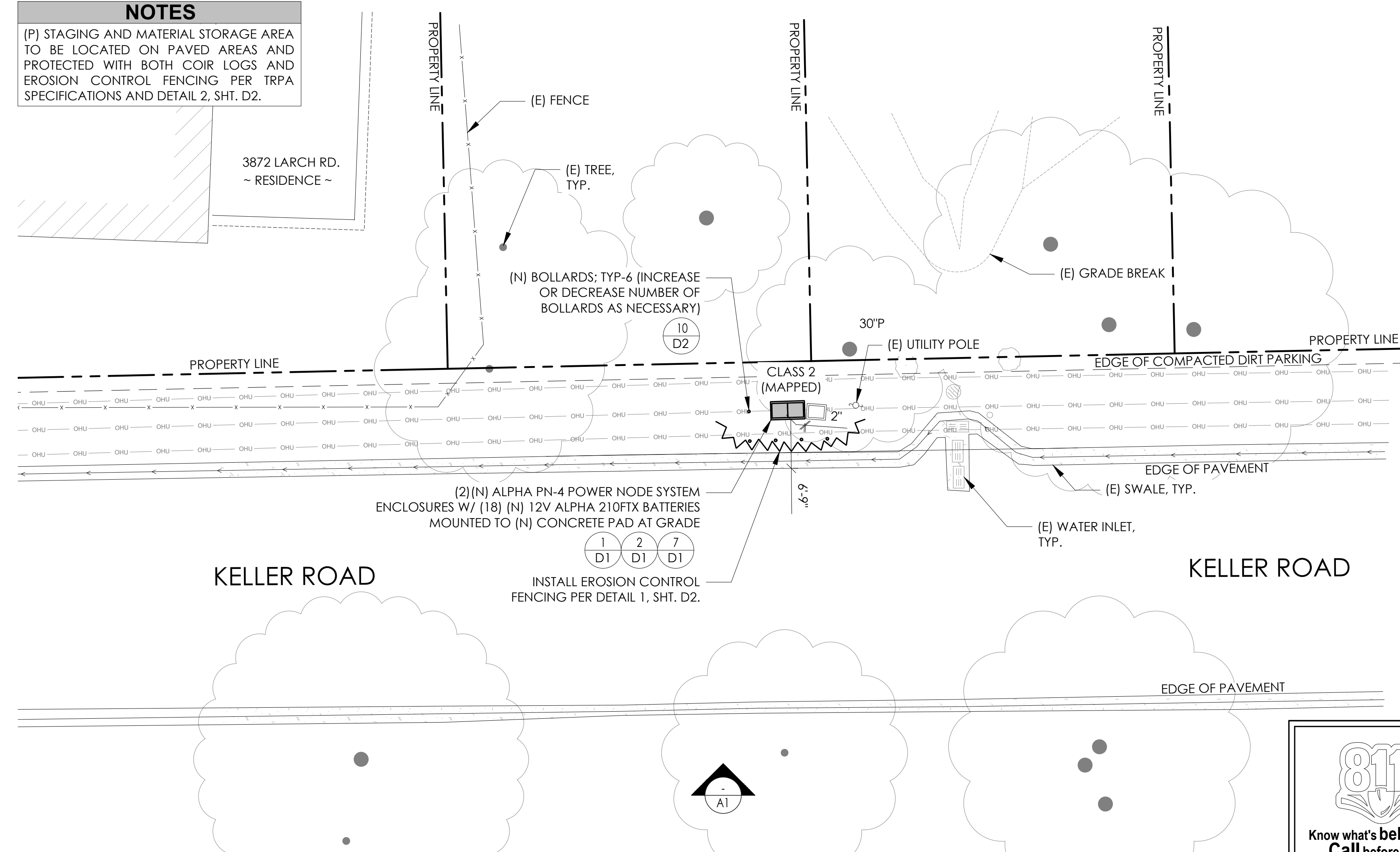
ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	SM
B	08/10/21	90% CD	LS
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	RD
4	09/28/23	SURVEY SHEET ADD	MZ

2B SCOPE OF WORK

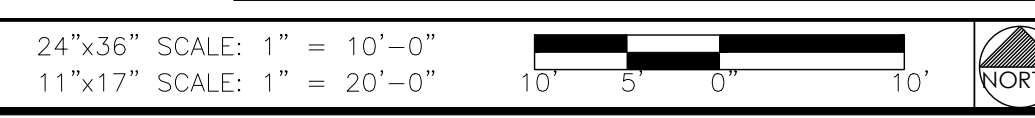
- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
 - INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
 - INSTALLATION OF (1) (N) CONCRETE PAD
 - REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
 - ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

NOTES
 (P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



SITE PLAN

811
 TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
 TOLL FREE: 1-800-227-2600 OR www.usanorth811.org
 CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE



DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

ENGINEER/ARCHITECT: J5 INFRASTRUCTURE PARTNERS
JOSE M. MIRANDA
ARCHITECT/ENGINEER CONTACT
PH: (949) 247-7767
EMAIL: jmiranda@j5ip.com
23 MAUCHLY, SUITE 110
IRVINE, CALIFORNIA, 92618

APPLICANT: ALPHA TECHNOLOGIES, INC.
JOHN CLAY
SERVICE OPERATIONS MANAGER
ENERGY SYSTEMS AMERICAS
PH: (480) 220-1786
EMAIL: jclay@alpha.com

CODE COMPLIANCE

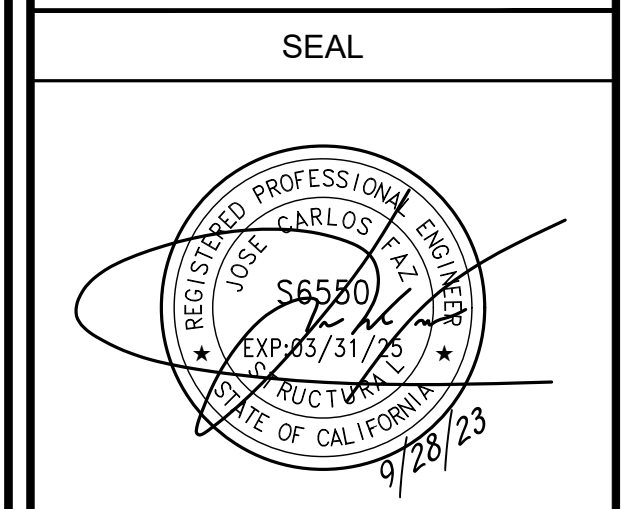
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 1 - CALIFORNIA ADMINISTRATIVE CODE
 PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANS/I/A-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
 CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



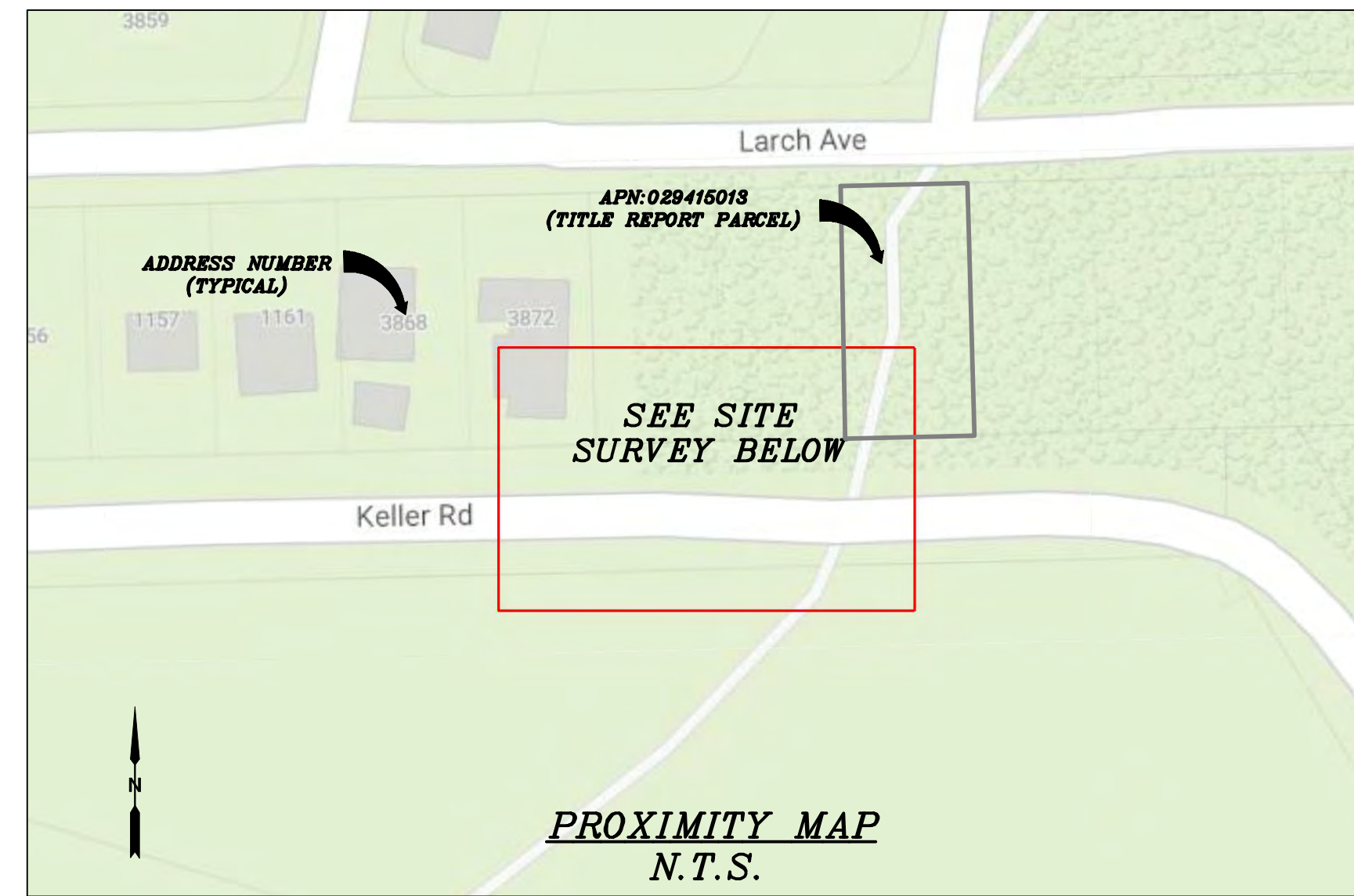
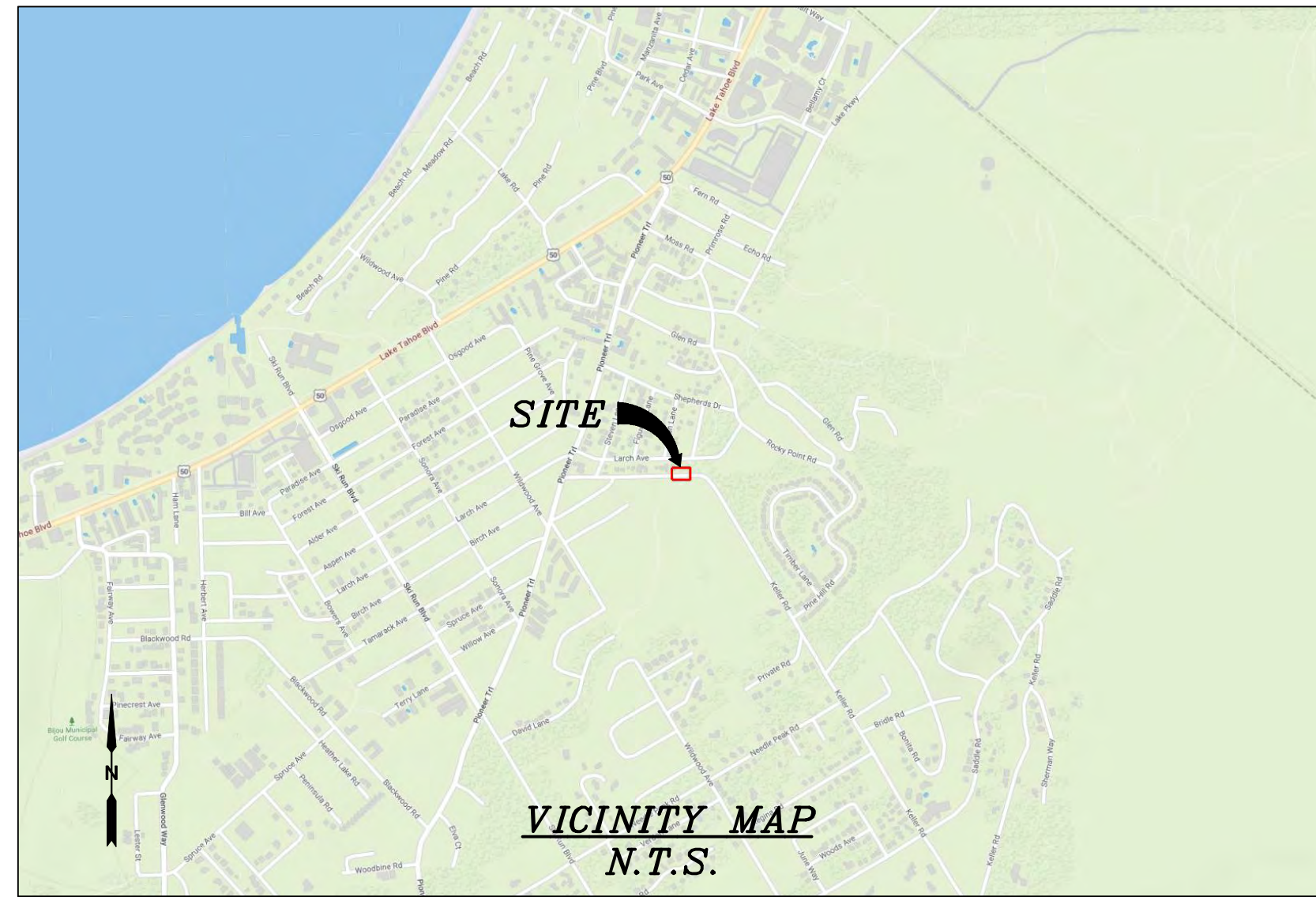
SITE INFORMATION

SITE ID:
ST127A_A

SITE ADDRESS:
1161 KELLER RD,
SOUTH LAKE TAHOE,
CA 96150

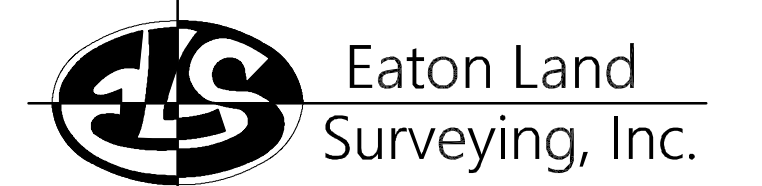
SHEET TITLE:
TITLE SHEET

T1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST127A_A
116 KELLER RD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/28/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

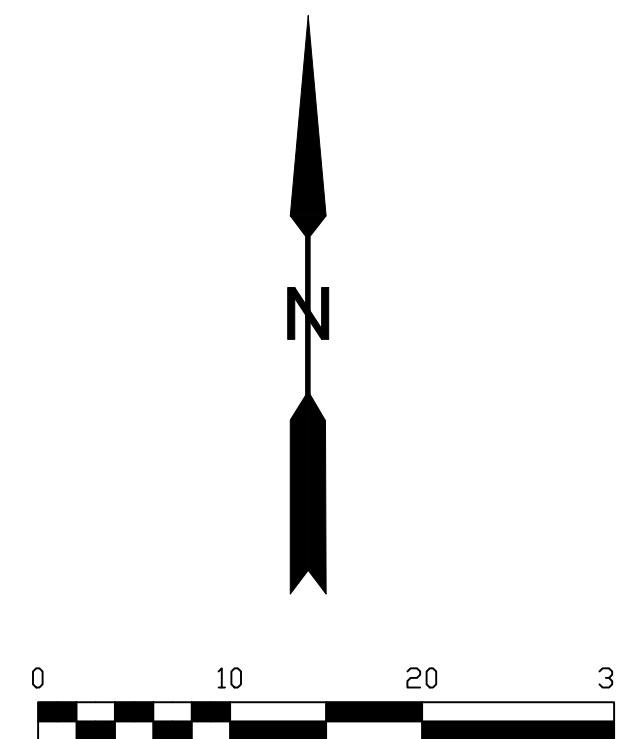
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 32 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

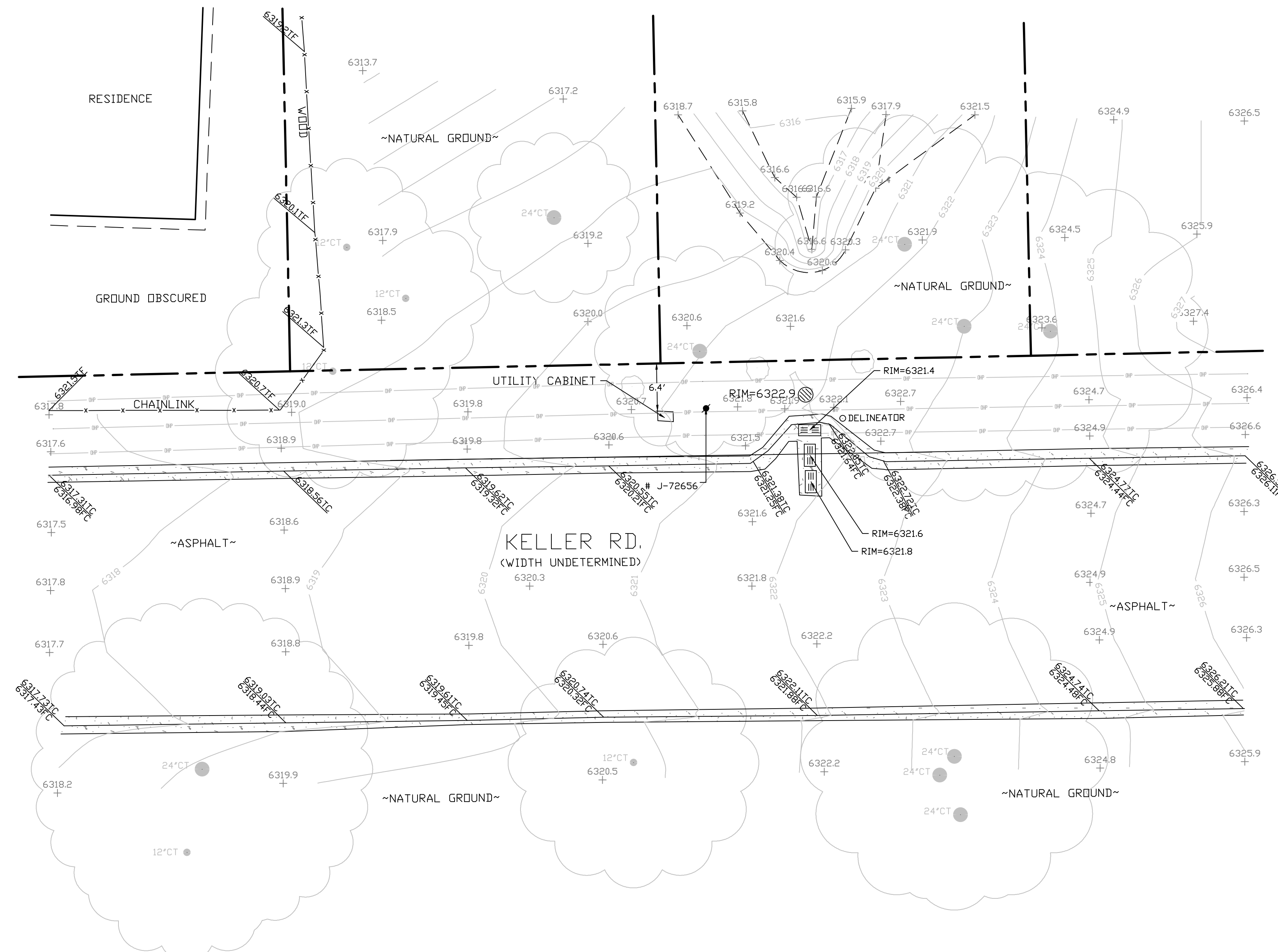
TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 029-415-013-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032361 DATED 08/31/2023;



LEGEND

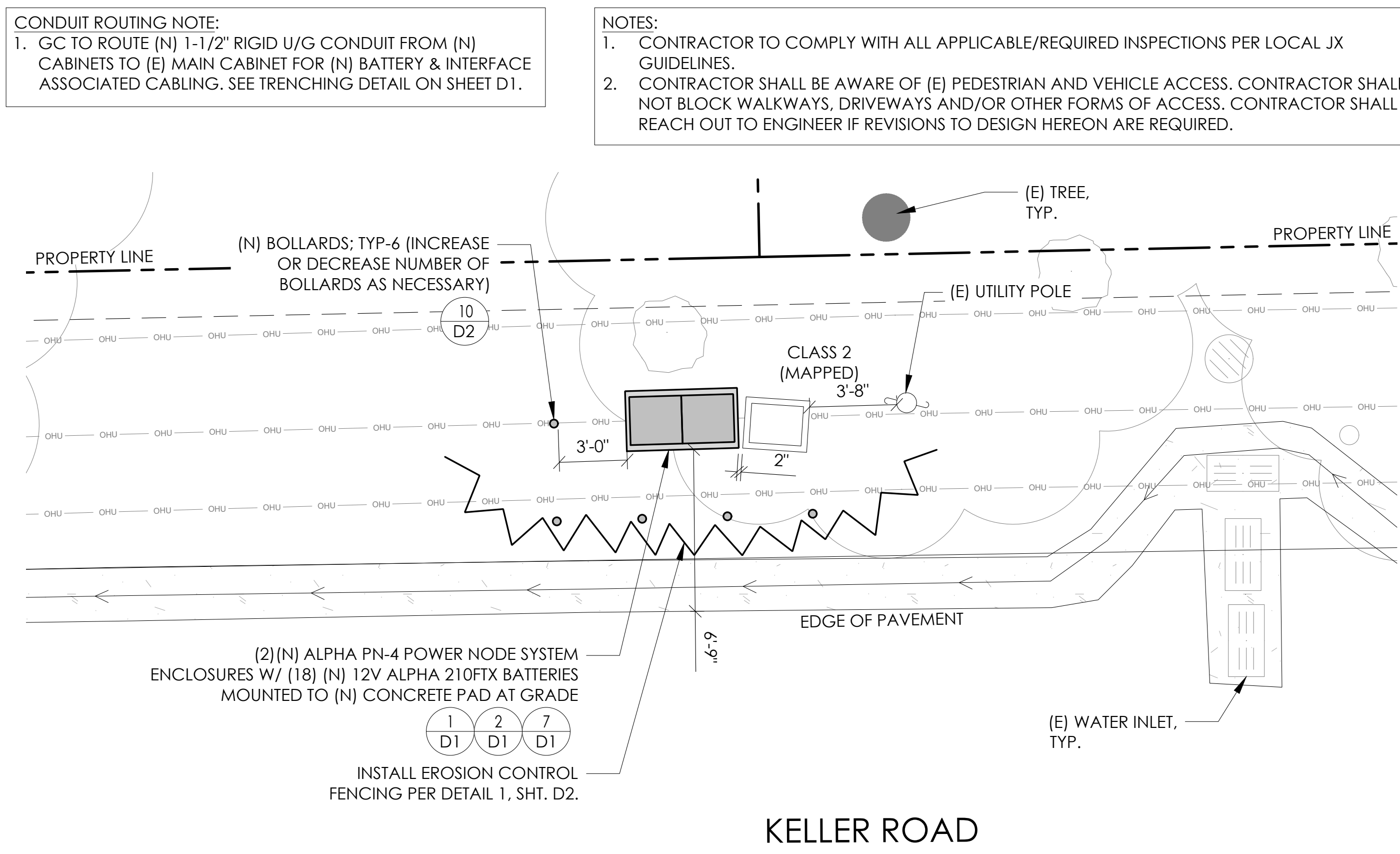
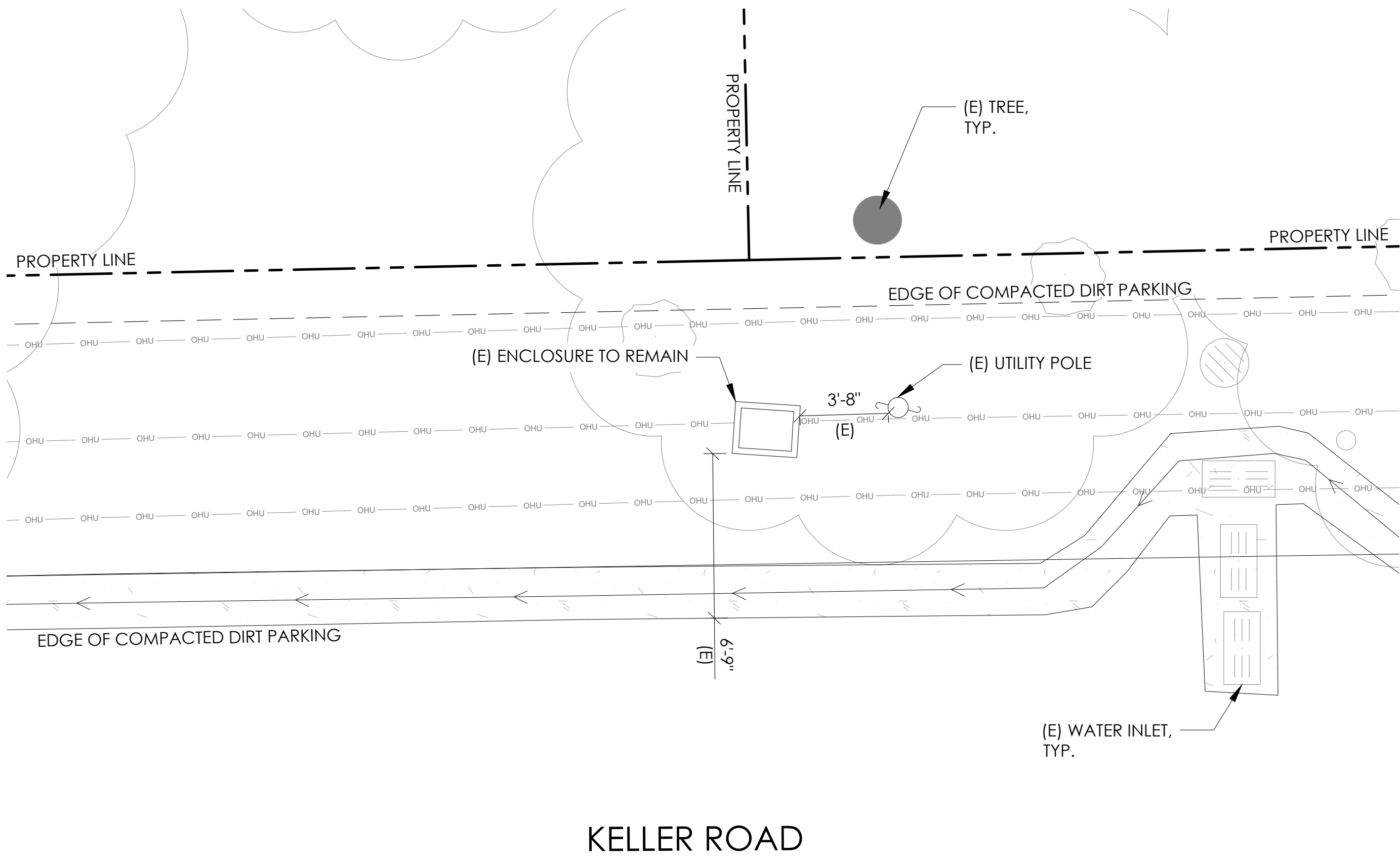
These standard symbols may be found in the drawing.

- CONCRETE
- PROPERTY LINE
- CENTER LINE
- OVERHEAD LINE
- FENCE HEADER
- ROOF
- WALL
- ROCK WALL
- PULLBOX ELECTRIC
- PULLBOX TELEPHONE
- PULLBOX COMMUNICATION
- WATER METER
- WATER VALVE
- POWER POLE
- ELEVATION GRADE
- GUY WIRE
- MAILBOX (MOVABLE)
- SIGN
- MANHOLE TELEPHONE
- MANHOLE SEWER
- RECTANGLE INLET
- FIRE HYDRANT
- SHRUB
- TRUNK
- CT CONIFEROUS TREE
- DT DECIDUOUS TREE
- TC TOP OF CURB
- FC FACE OF CURB
- TF TOP OF FENCE
- TW TOP OF WALL
- CD CURB DRAIN
- ROCK
- CIRCLE INLET



SITE SURVEY
SCALE 1"=10'





CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

Charter Spectrum

9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY

3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058517

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	SM
B	08/10/21	90% CD	LS
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	RD
4	09/28/23	SURVEY SHEET ADD	MZ

EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"

4' 3' 2' 1' 0"

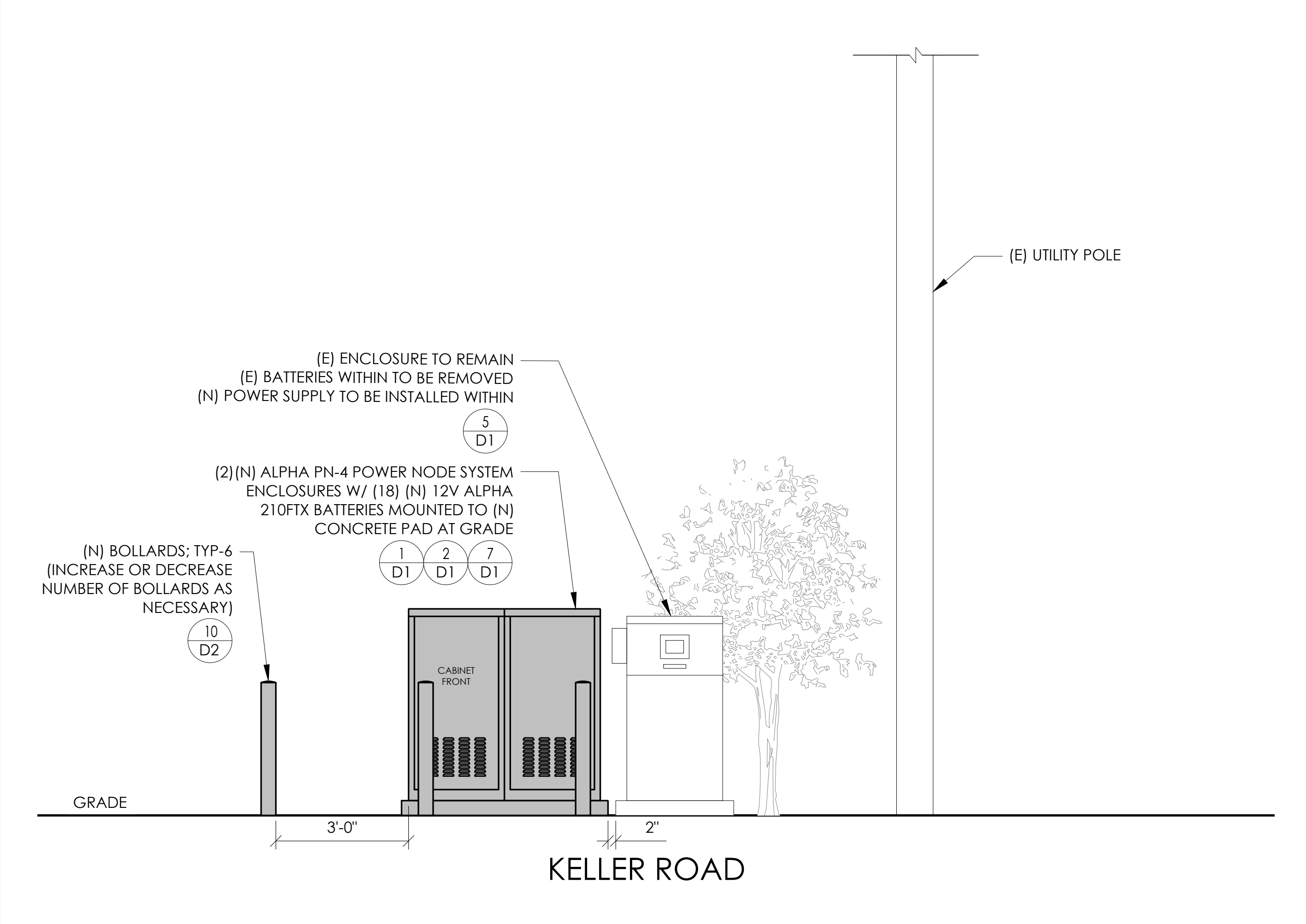
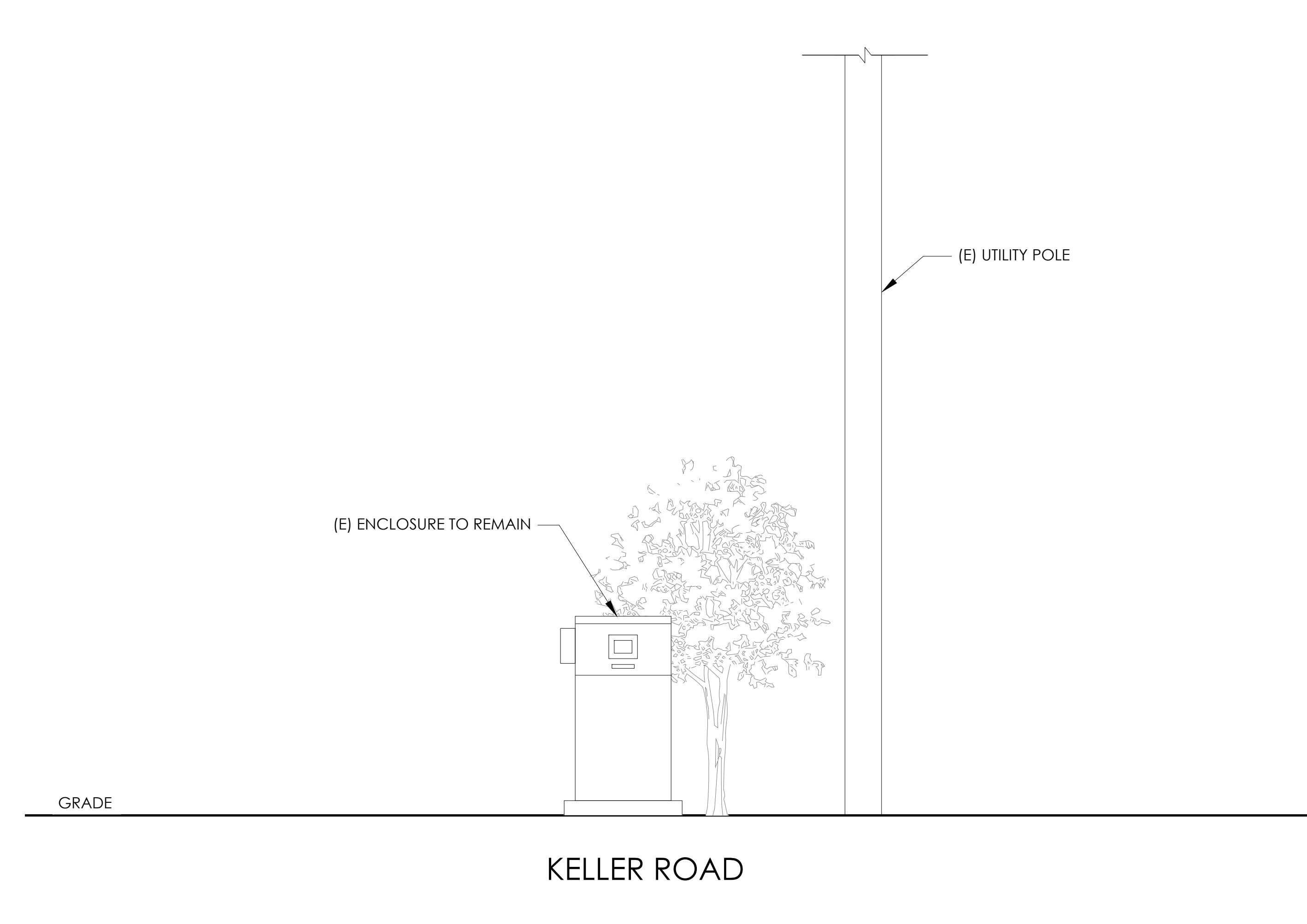
NORTH

PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"

4' 3' 2' 1' 0"

NORTH



EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"

4' 3' 2' 1' 0"

NORTH

PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"

4' 3' 2' 1' 0"

NORTH

SEAL

9/28/23

SITE INFORMATION

SITE ID:
 ST127A_A

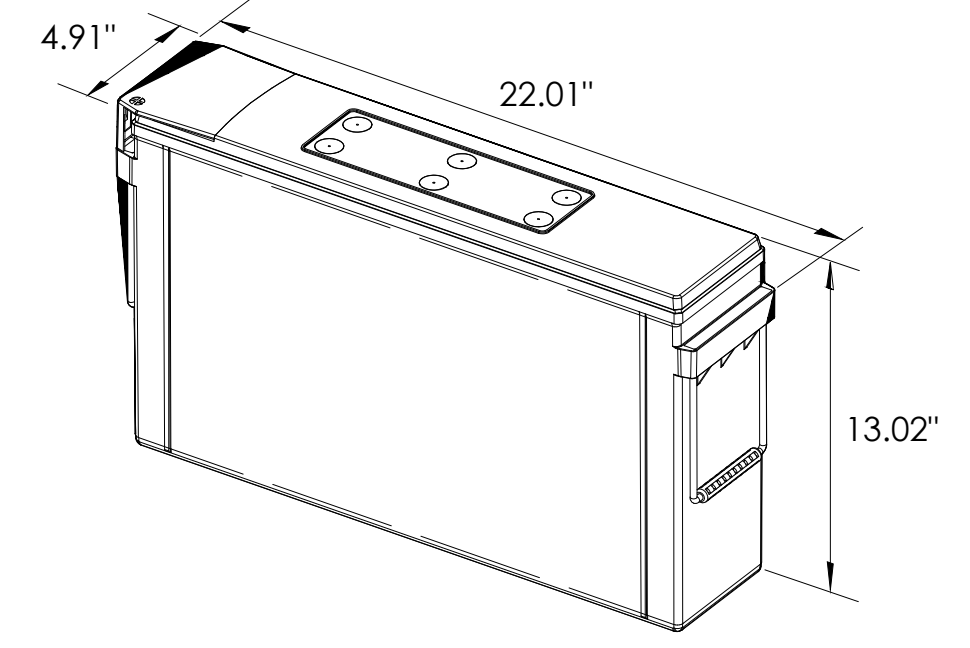
SITE ADDRESS:
 1161 KELLER RD,
 SOUTH LAKE TAHOE,
 CA 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA 210 FTX BATTERY UNIT



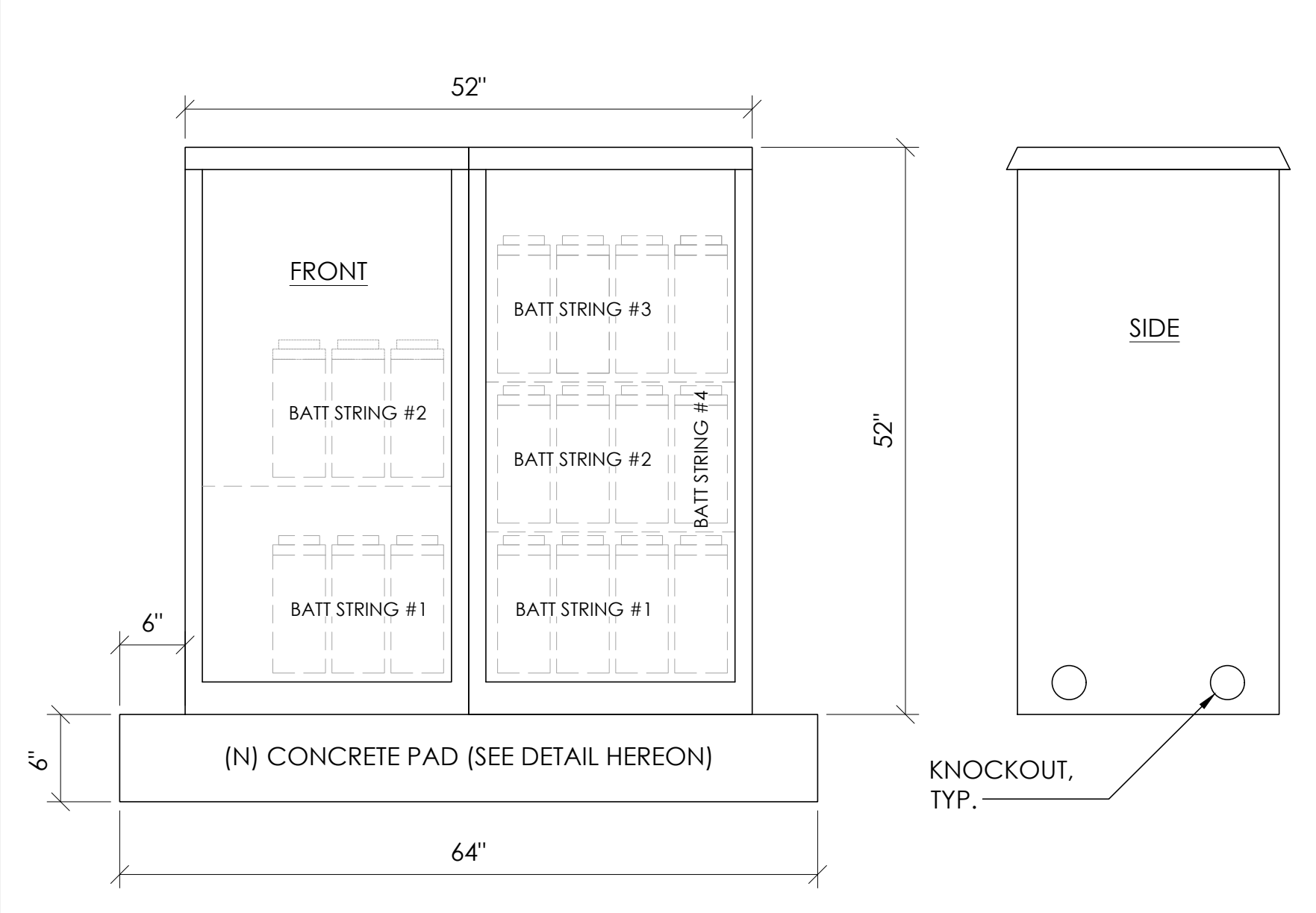
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG:	ALPHA
MODEL:	210 FTX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

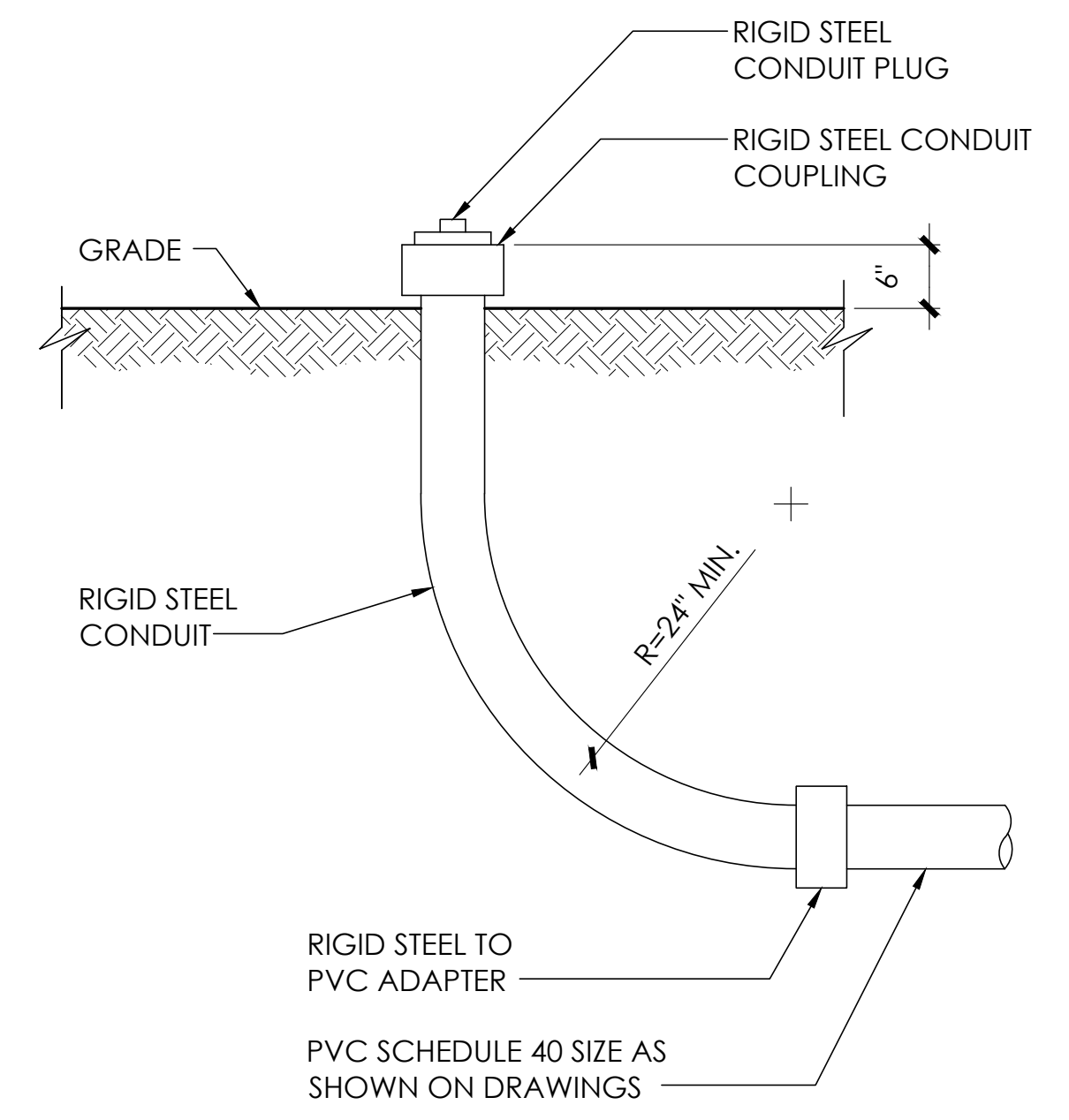


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



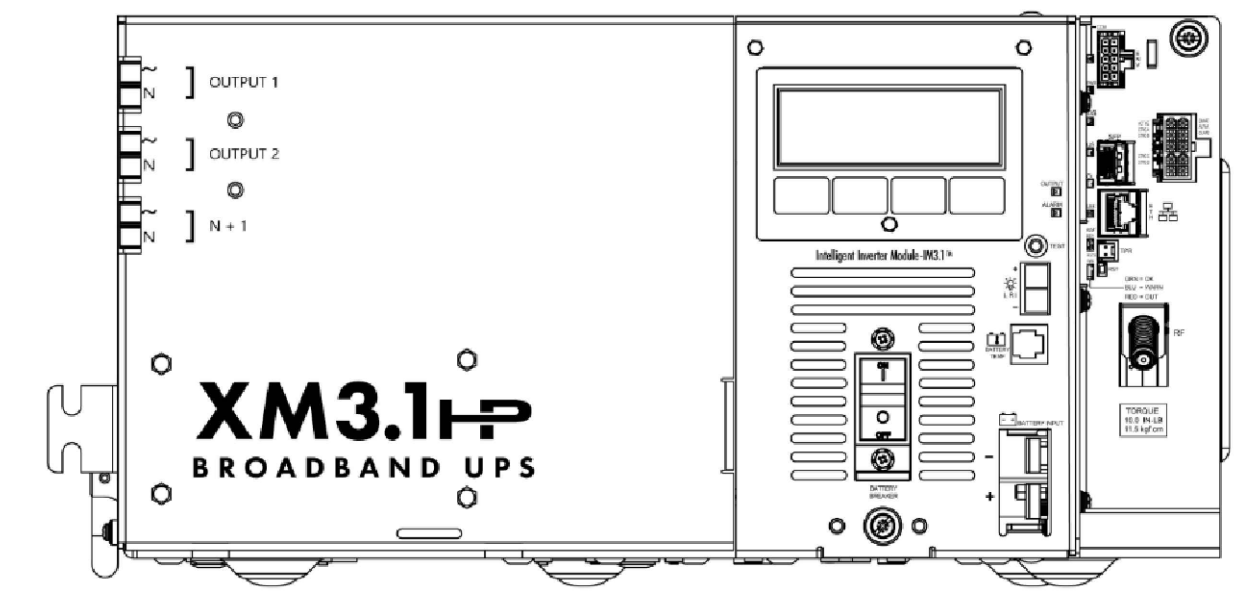
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

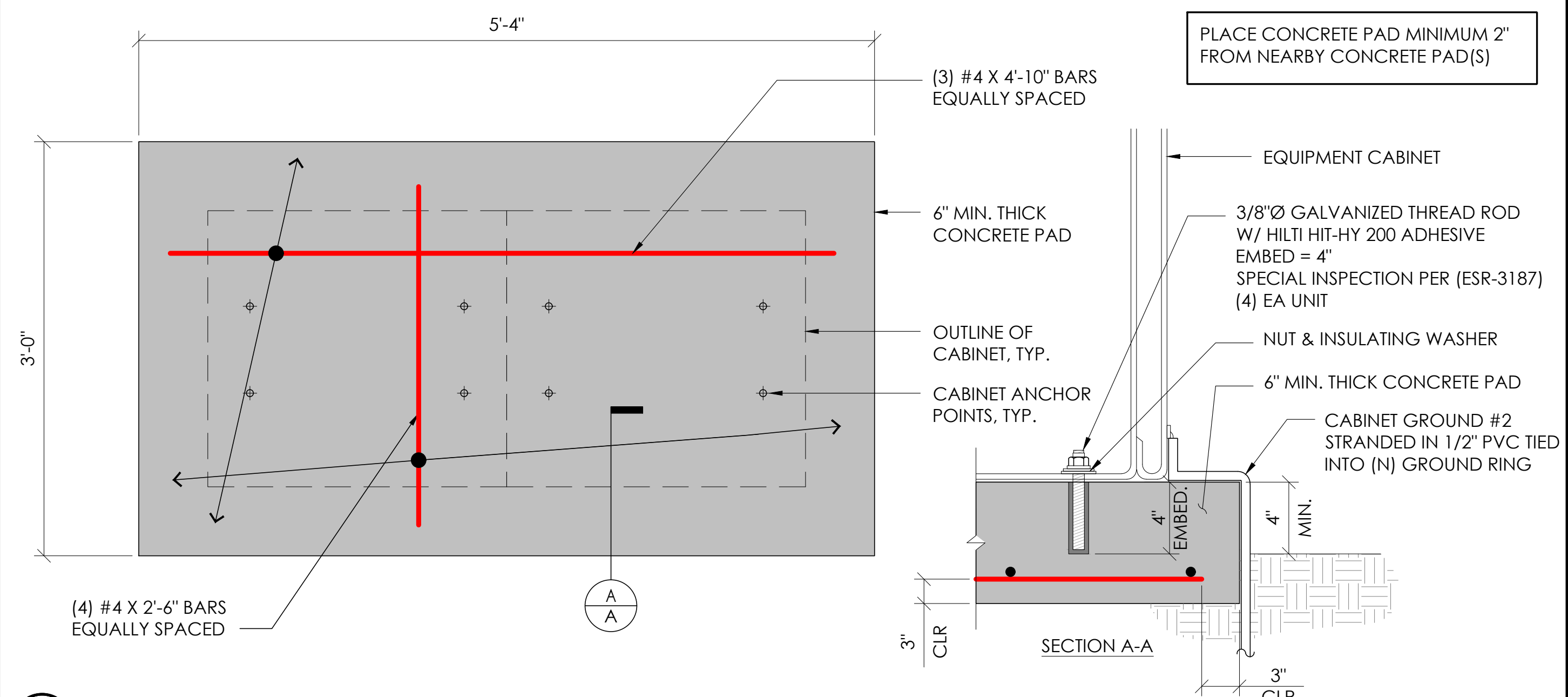
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

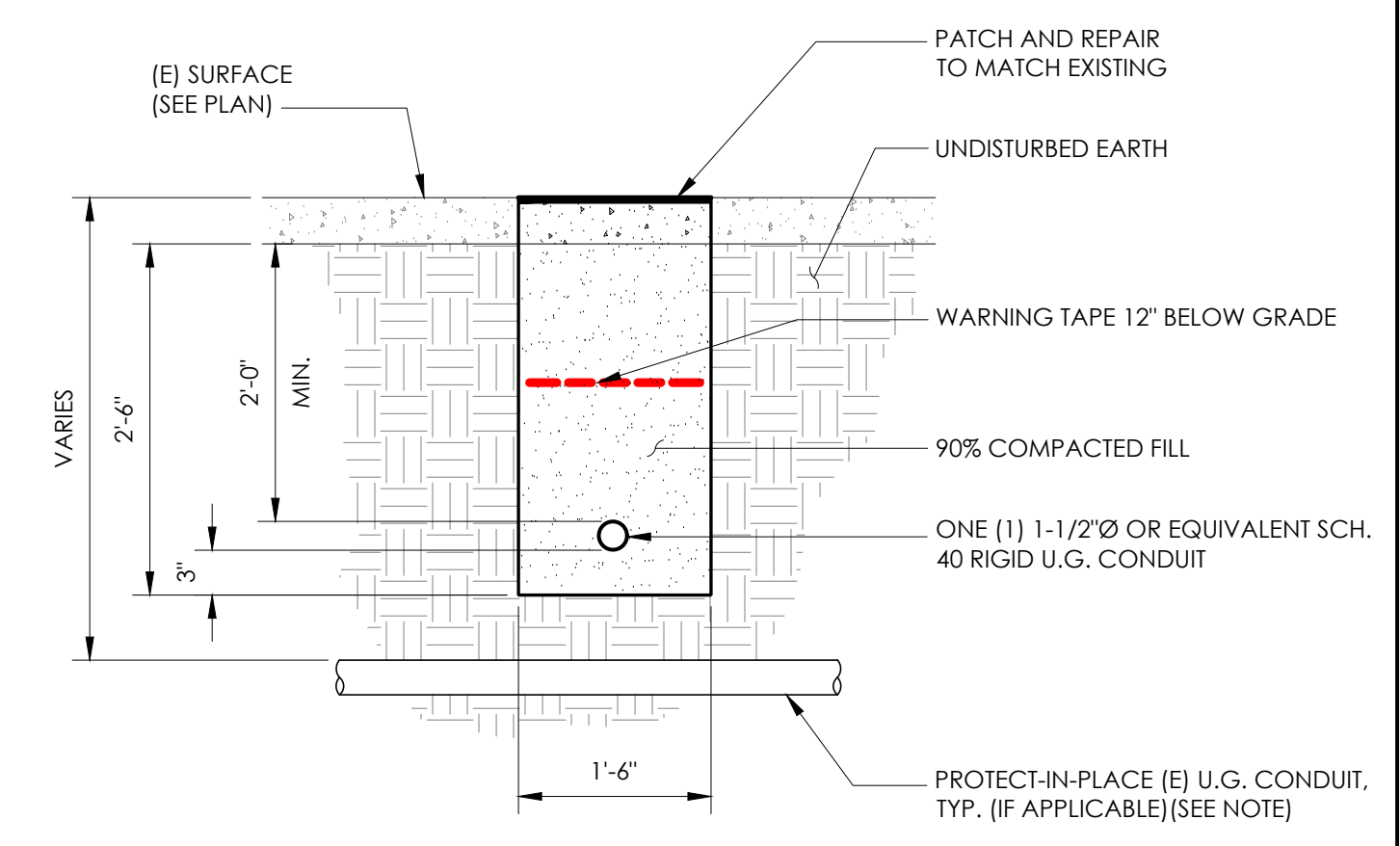


5 POWER SUPPLY DETAIL
N.T.S.

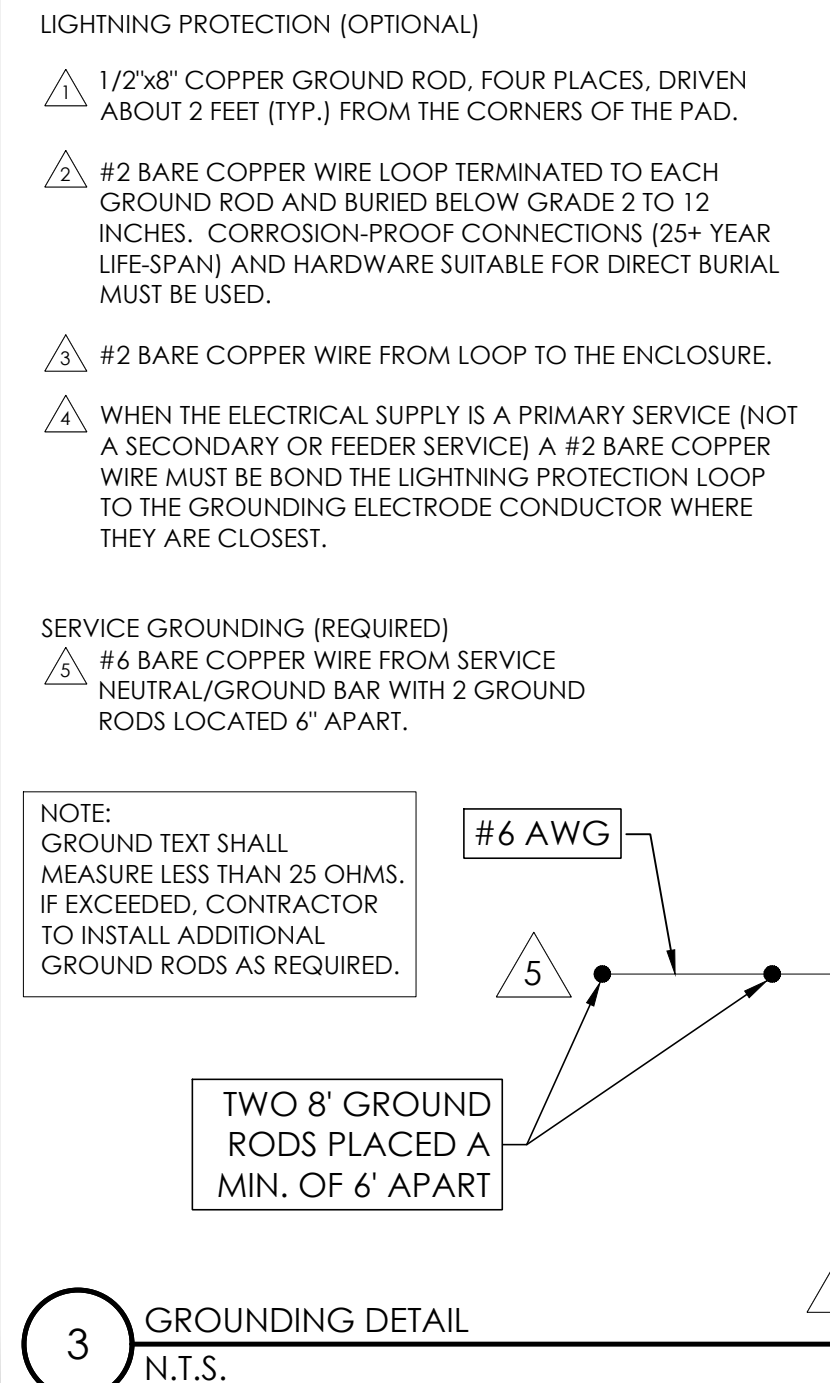


2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058517

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
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B	08/10/21	90% CD	LS
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	RD
4	09/28/23	SURVEY SHEET ADD	MZ

SEAL

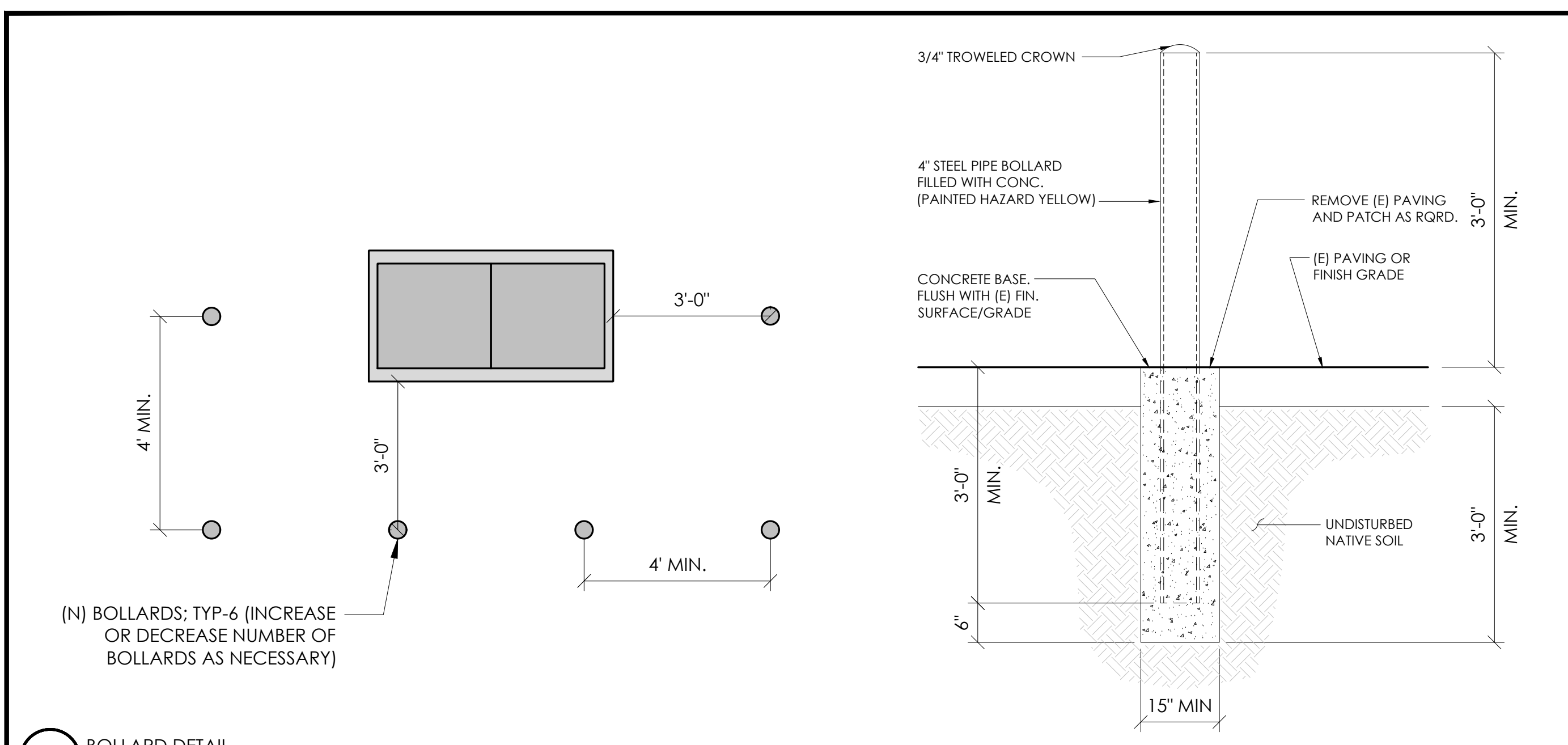
SITE INFORMATION

SITE ID:
ST127A_A

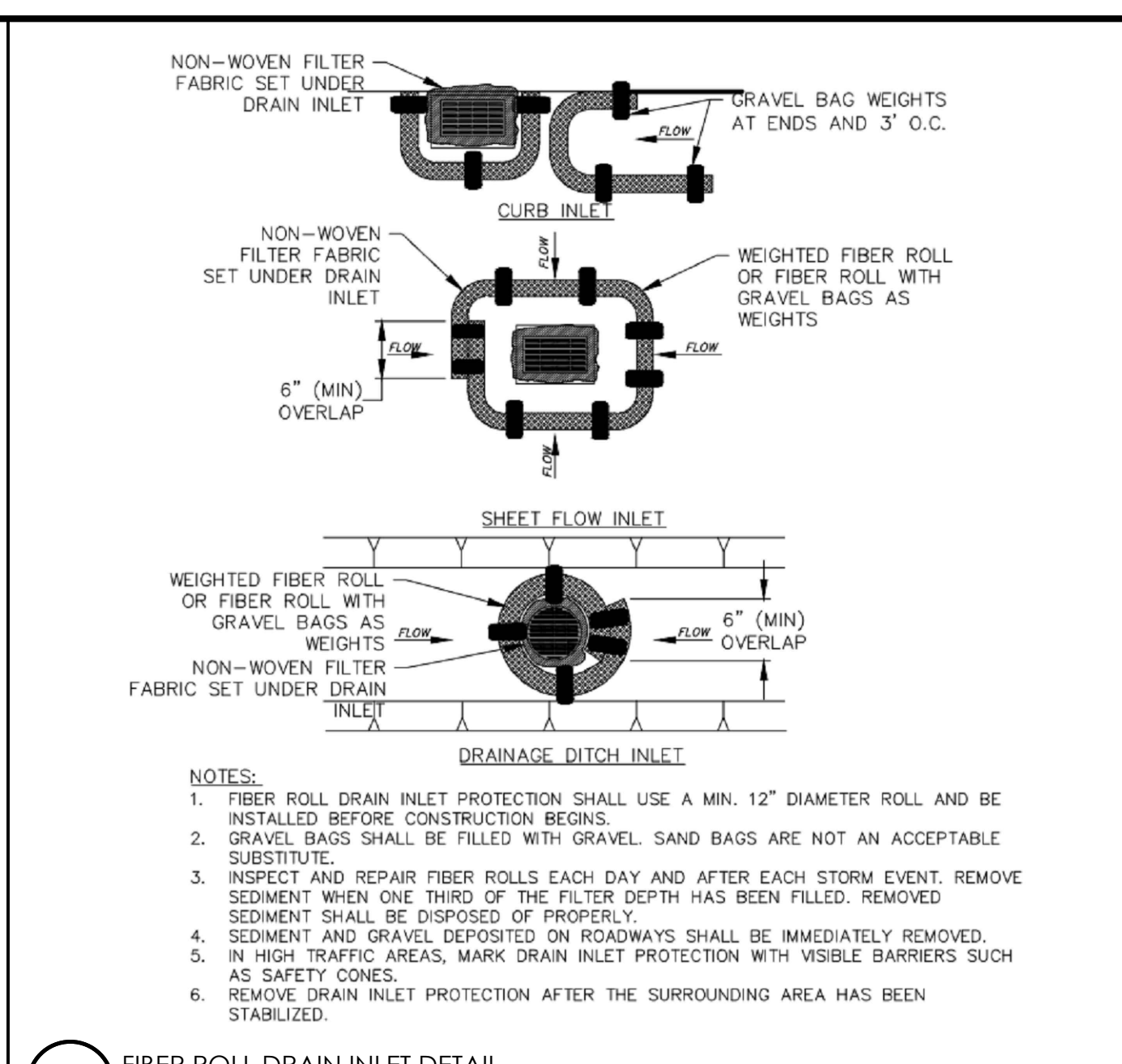
SITE ADDRESS:
1161 KELLER RD,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
DETAILS

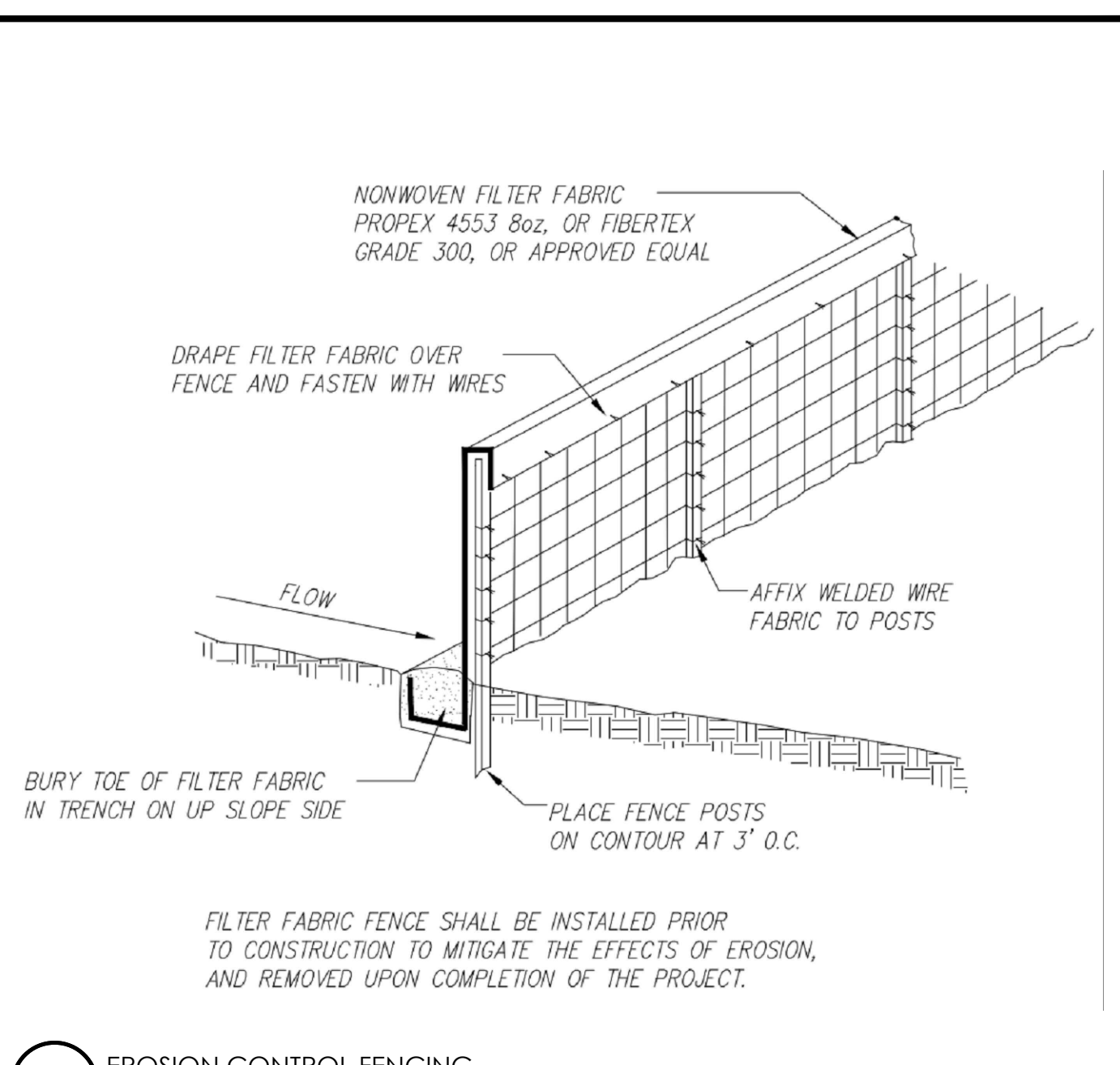
D1



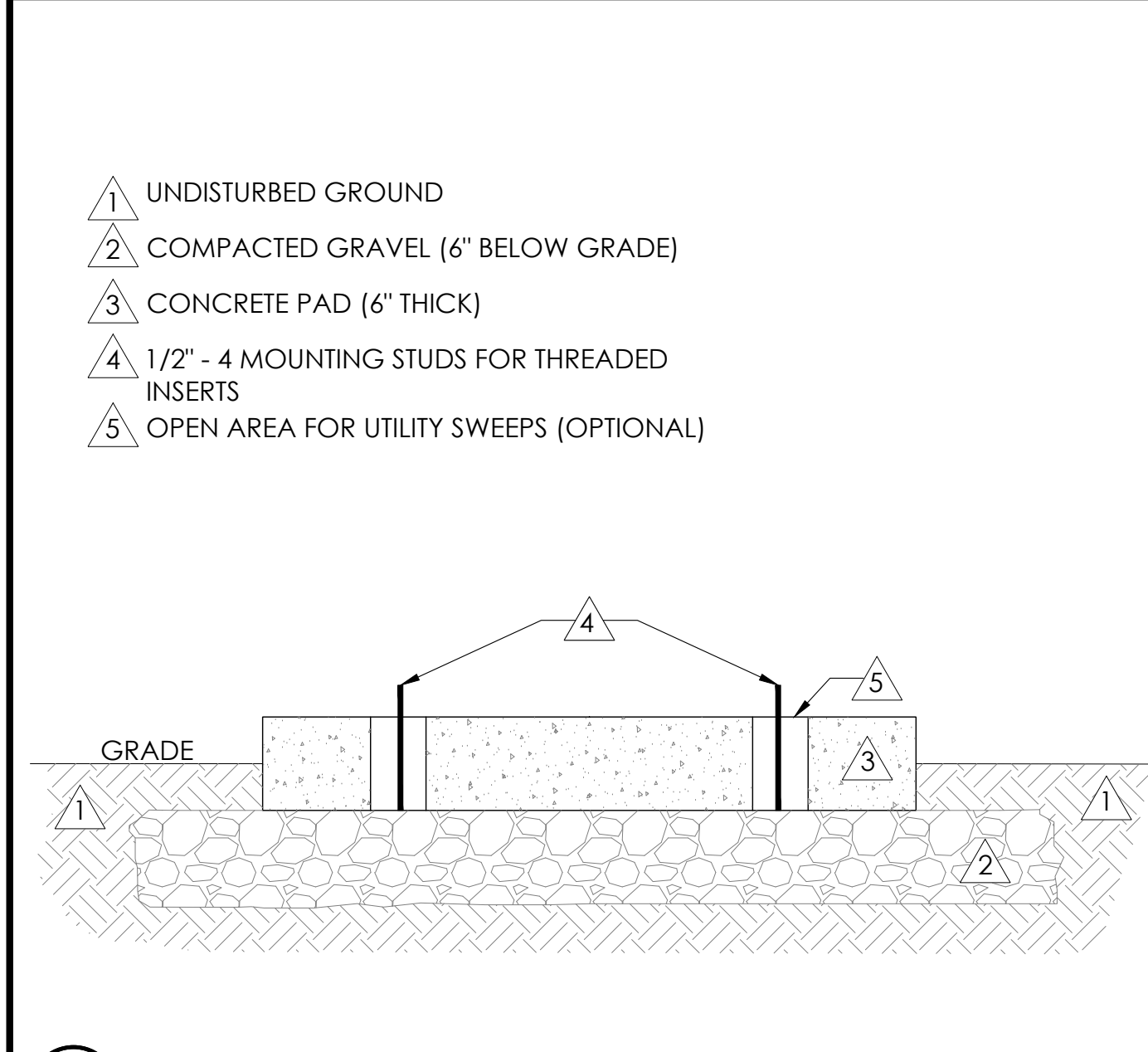
10 BOLLARD DETAIL N.T.S.



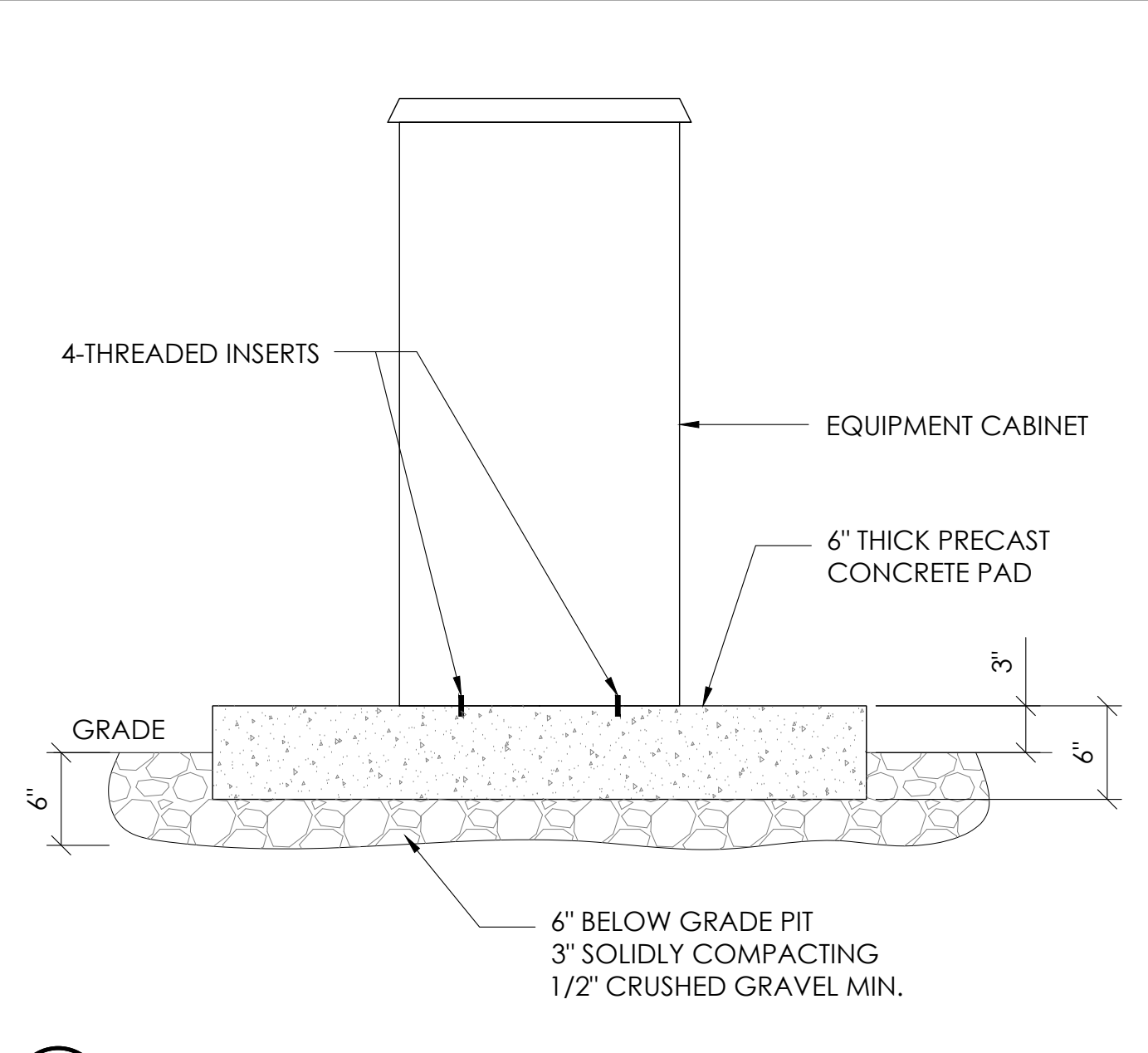
4 FIBER ROLL DRAIN INLET DETAIL N.T.S.



1 EROSION CONTROL FENCING N.T.S.



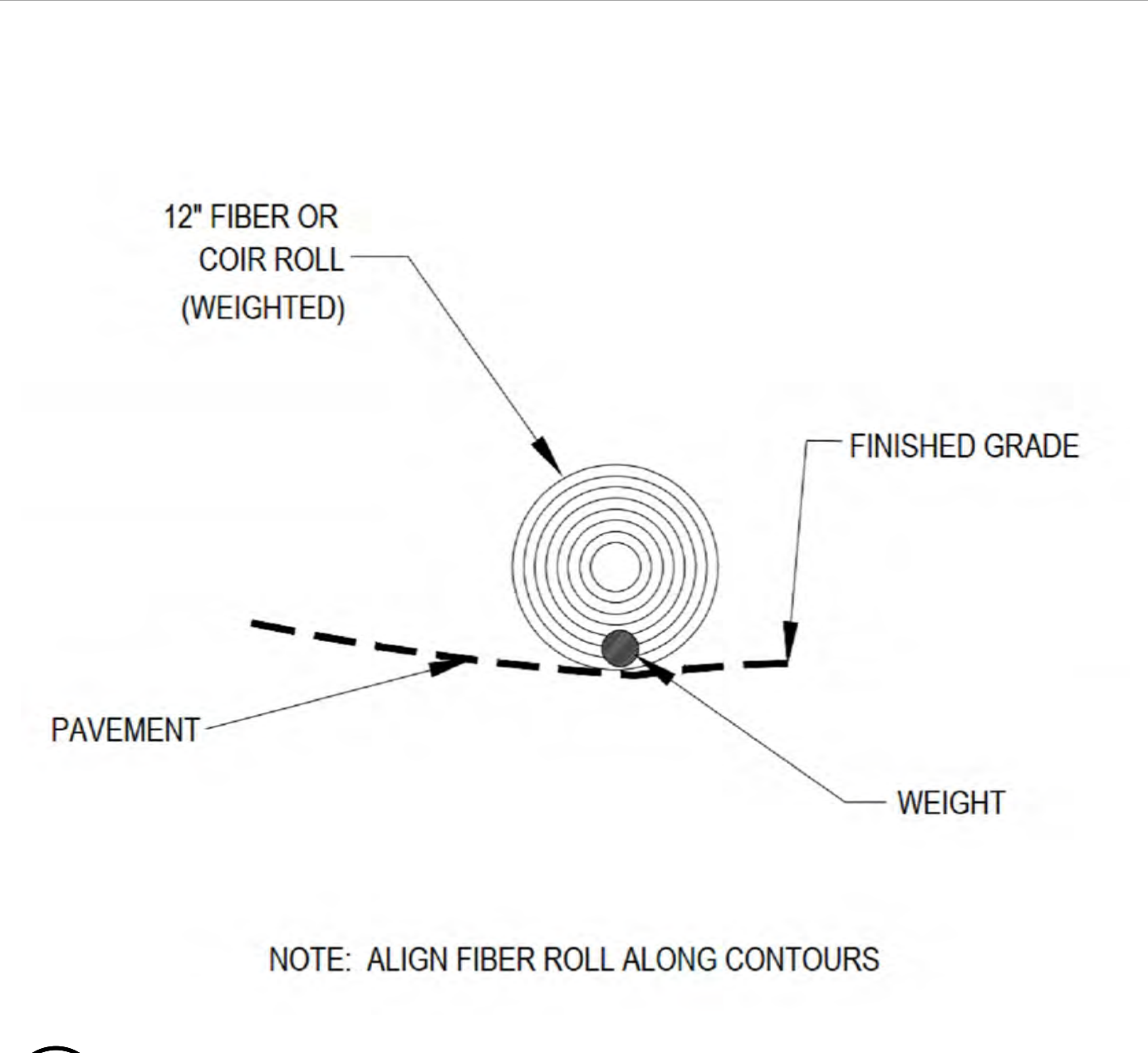
11 FOUNDATION BASE FOR PN4 N.T.S.



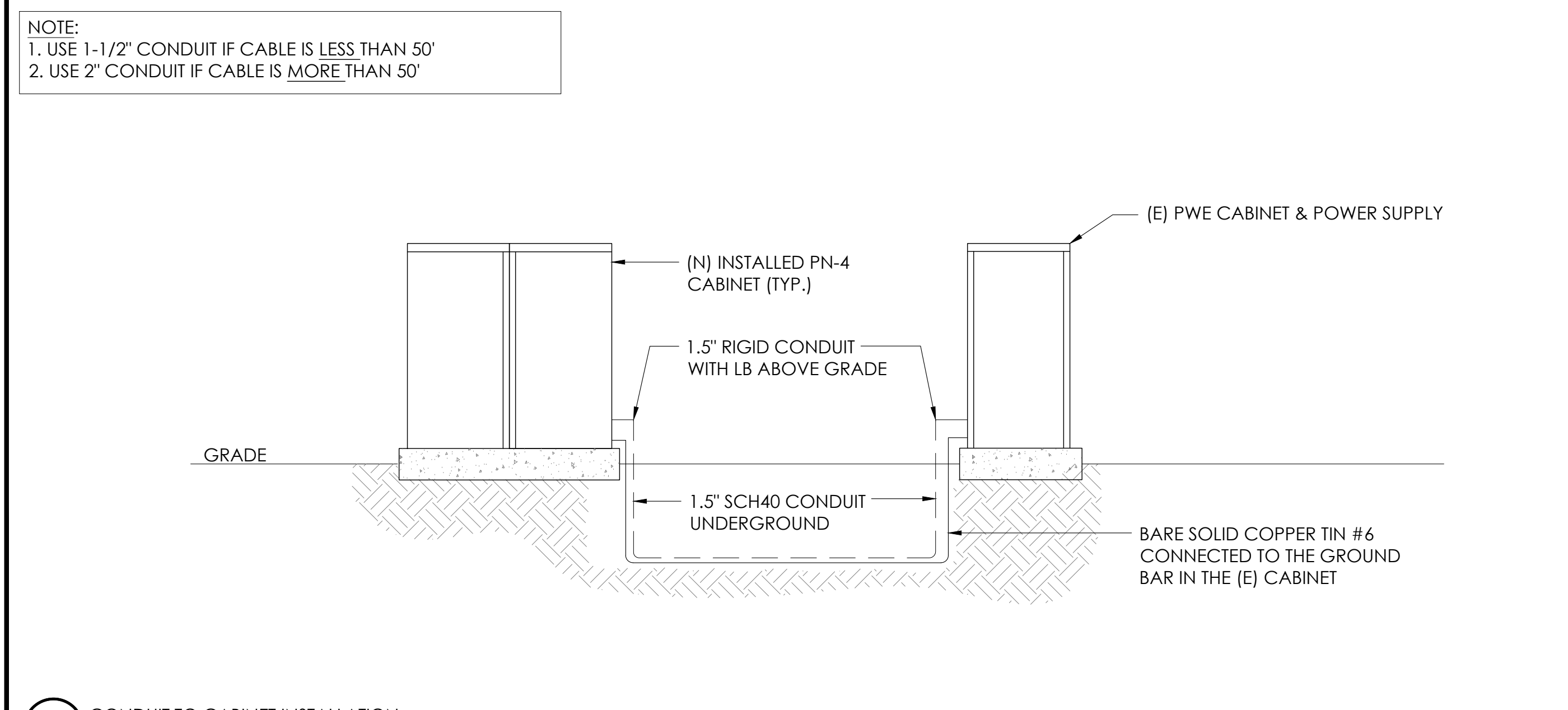
8 P4 CABINET INSTALLATION N.T.S.



5 NOT USED N.T.S.



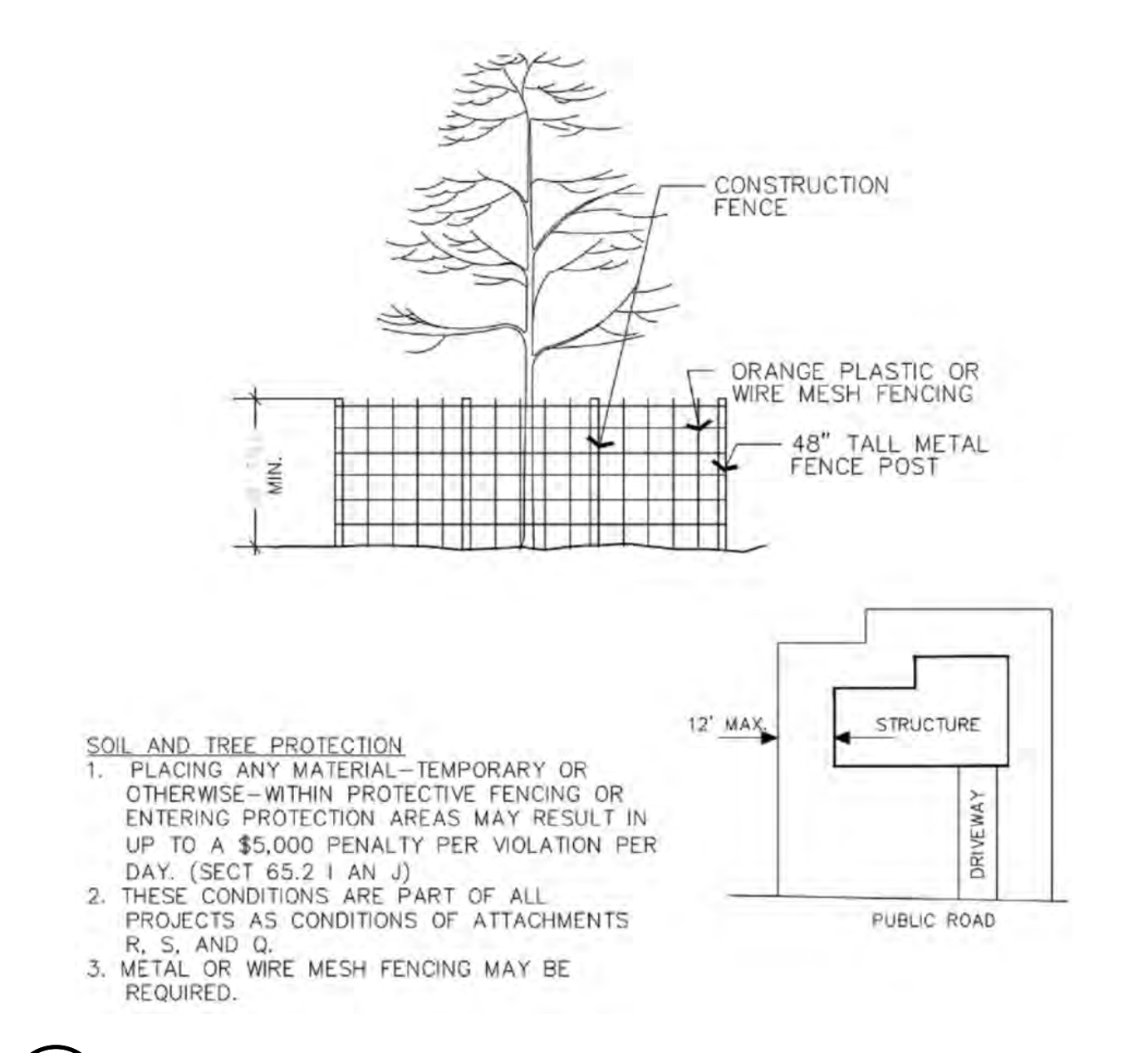
2 WEIGHTED COIR LOGS N.T.S.



12 CONDUIT TO CABINET INSTALLATION N.T.S.



6 NOT USED N.T.S.



3 VEGETATION PROTECTION FENCING N.T.S.

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

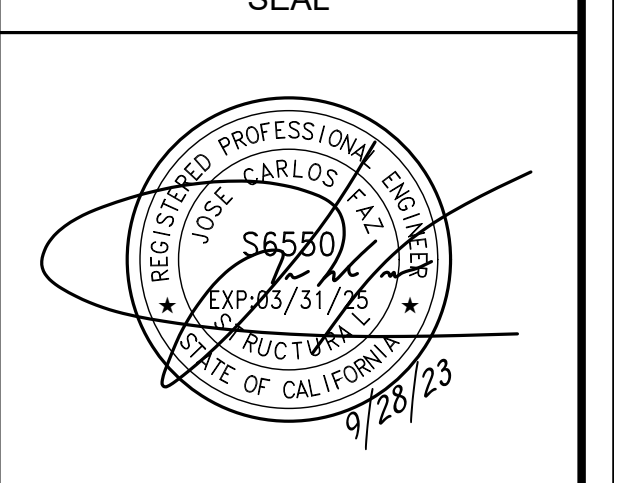
alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
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SEAL



SITE INFORMATION

**SITE ID:
ST127A_A**

SITE ADDRESS:
1161 KELLER RD,
SOUTH LAKE TAHOE,
CA 96150

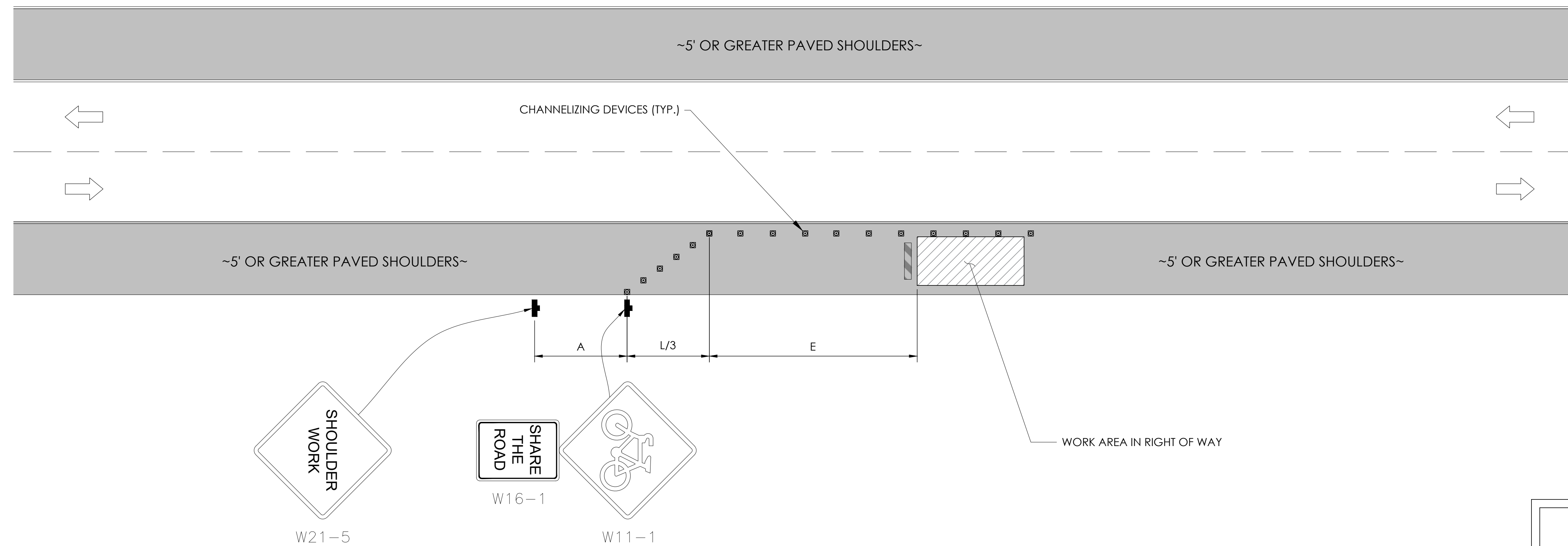
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



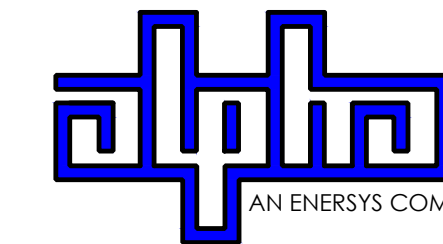
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



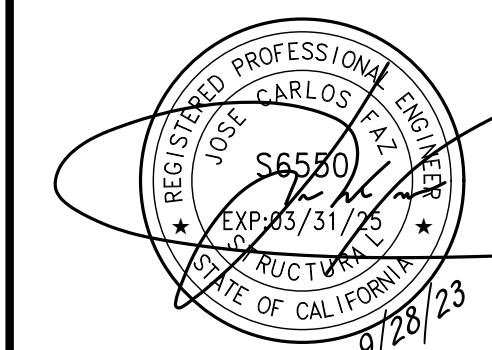
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058517

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	SM
B	08/10/21	90% CD	LS
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	RD
4	09/28/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

**SITE ID:
ST127A_A**

SITE ADDRESS:
1161 KELLER RD,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

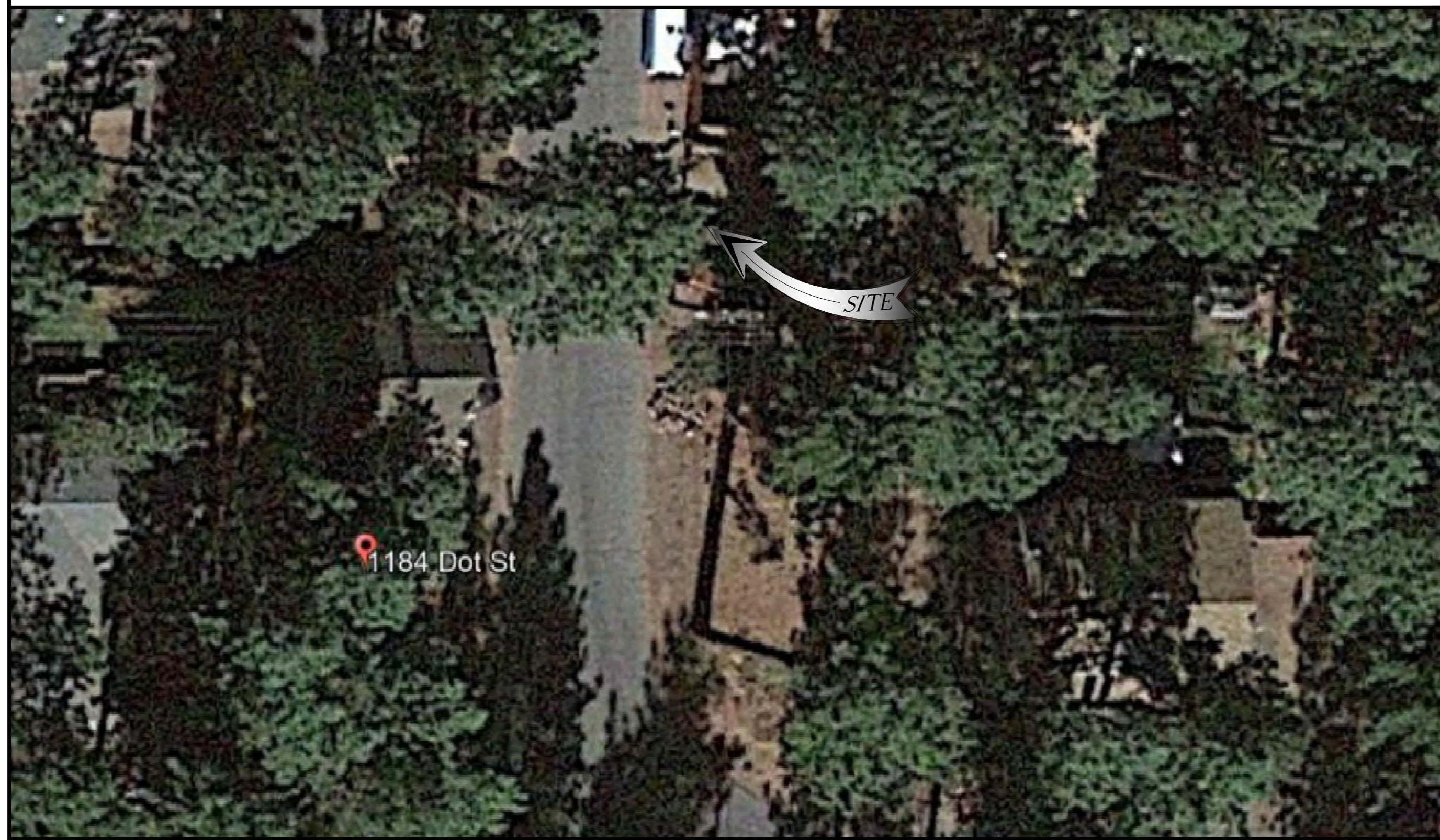
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST118-B_A

SITE ADDRESS:
1184 DOT ST,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	1184 DOT ST SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.939554, -119.969622
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	11
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	2.7 C.Y.

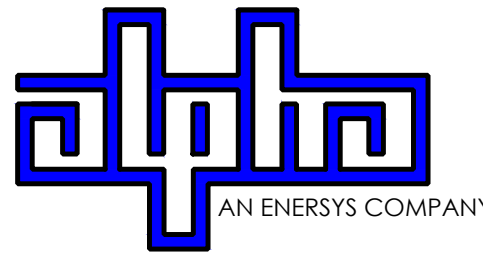
2Li SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (24) (N) LITHIUM LI BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069680

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
0	12/27/21	100% CD	BN
1	12/02/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	06/22/23	100% CD REV PER PCC#3	ES
4	09/27/23	100% CD REVISION	JG

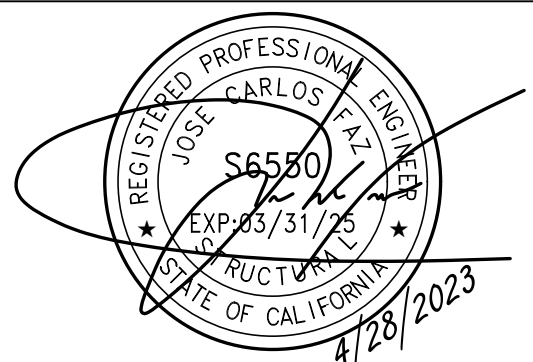
DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		

SEAL



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

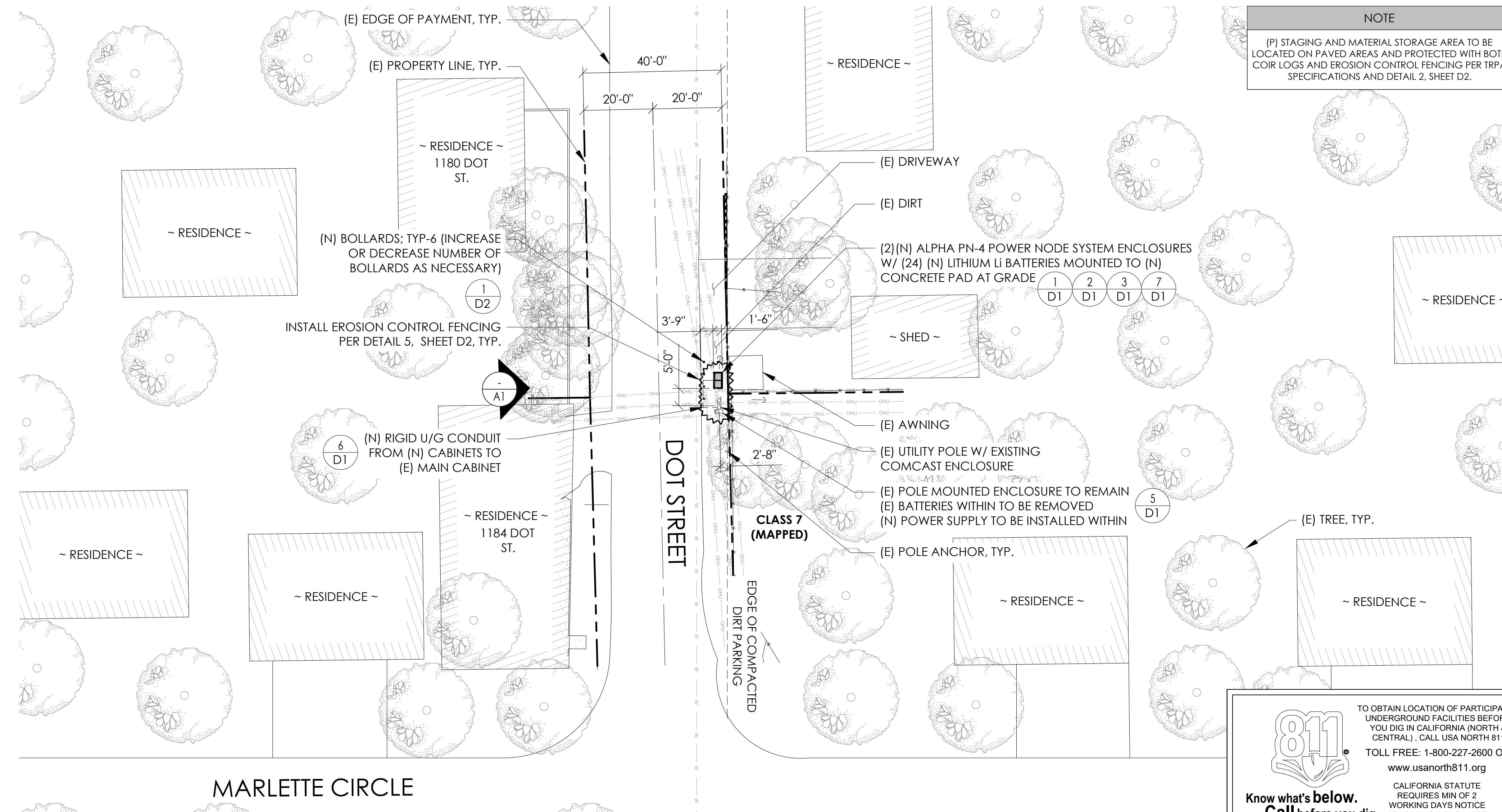
1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
PART 1 - CALIFORNIA ADMINISTRATIVE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
PART 6 - CALIFORNIA ENERGY CODE
PART 7 - VACANT

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
2. ANSITIA-222 (REV H)
3. 2018 NFPA 101, LIFE SAFETY CODE
4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



811
Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
TOLL FREE: 1-800-227-2600 OR
www.usanorth811.org

CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"

SITE PLAN

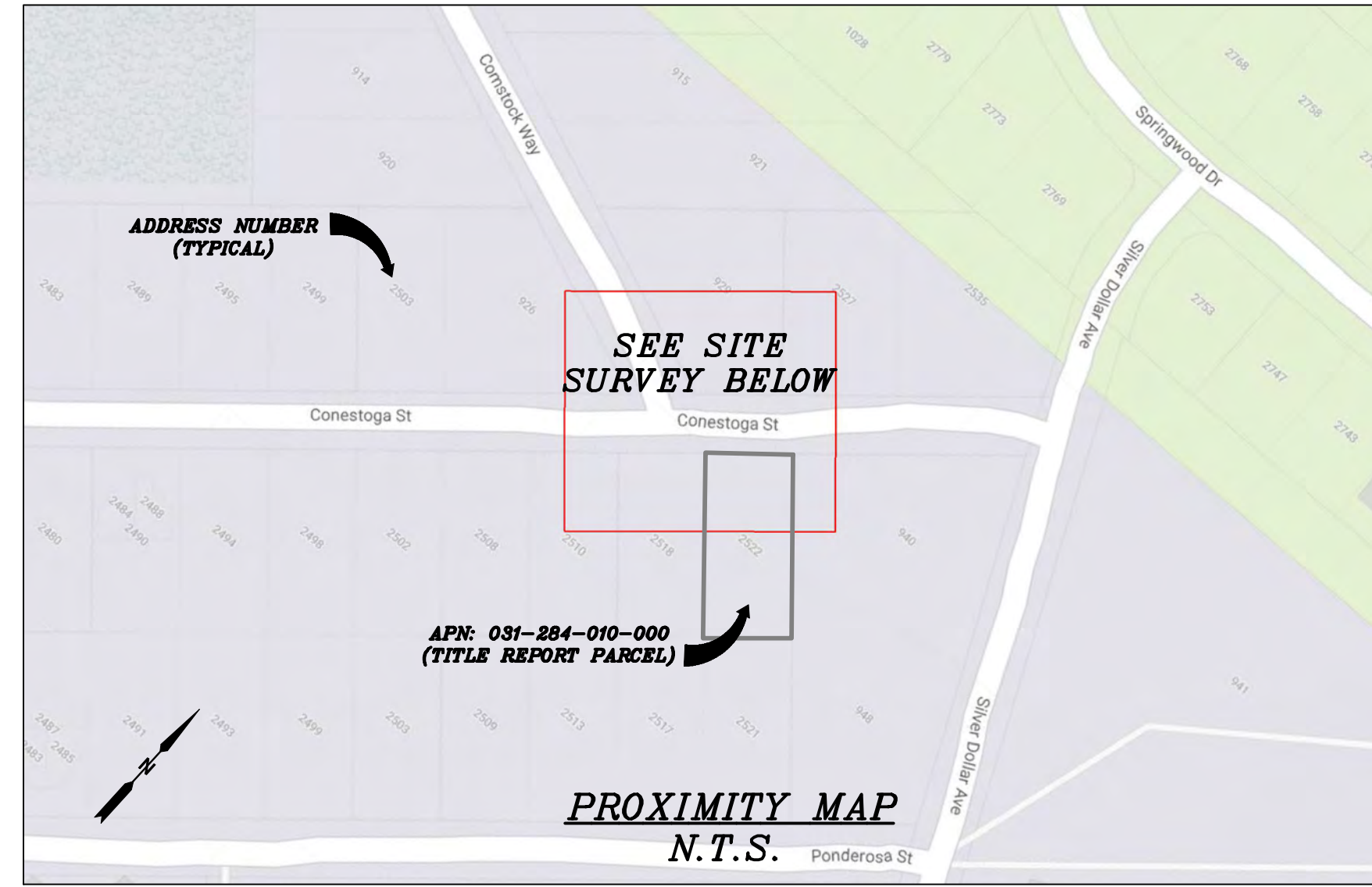
SITE INFORMATION

SITE ID:
ST118-B_A

SITE ADDRESS:
1184 DOT ST,
SOUTH LAKE TAHOE, CA
96150

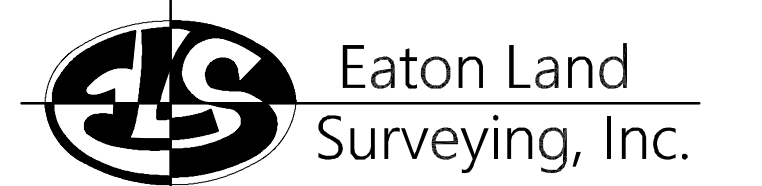
TITLE SHEET

T1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST121D_A
2522 CONESTOGA ST.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/26/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

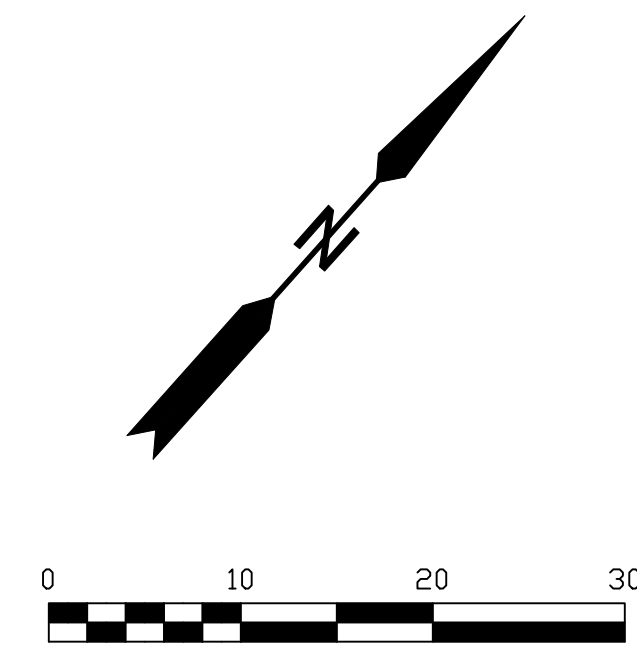
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0150E, DATED 09/26/2008.

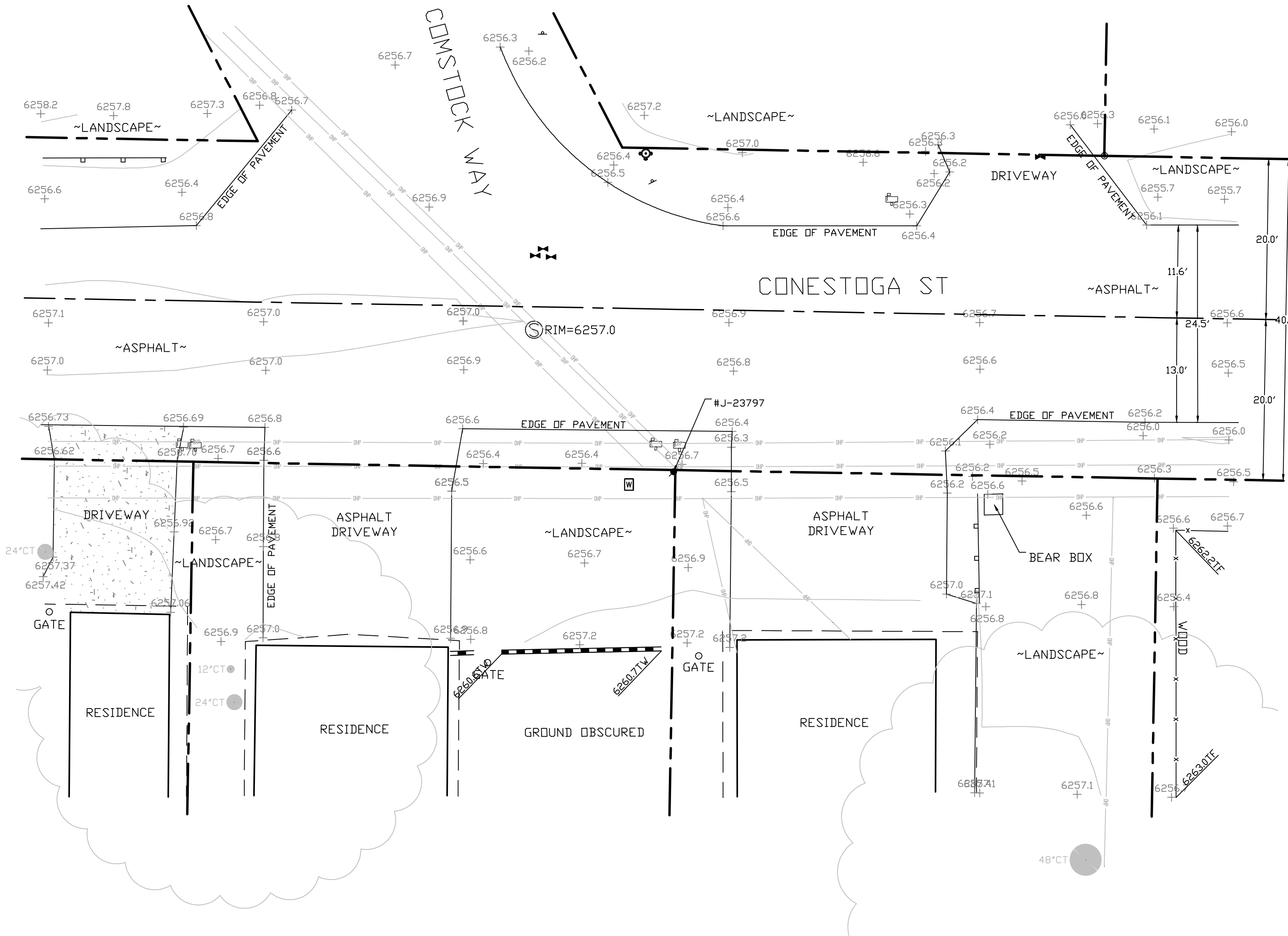
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 64 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 031-284-010-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032272 DATED 08/31/2023;

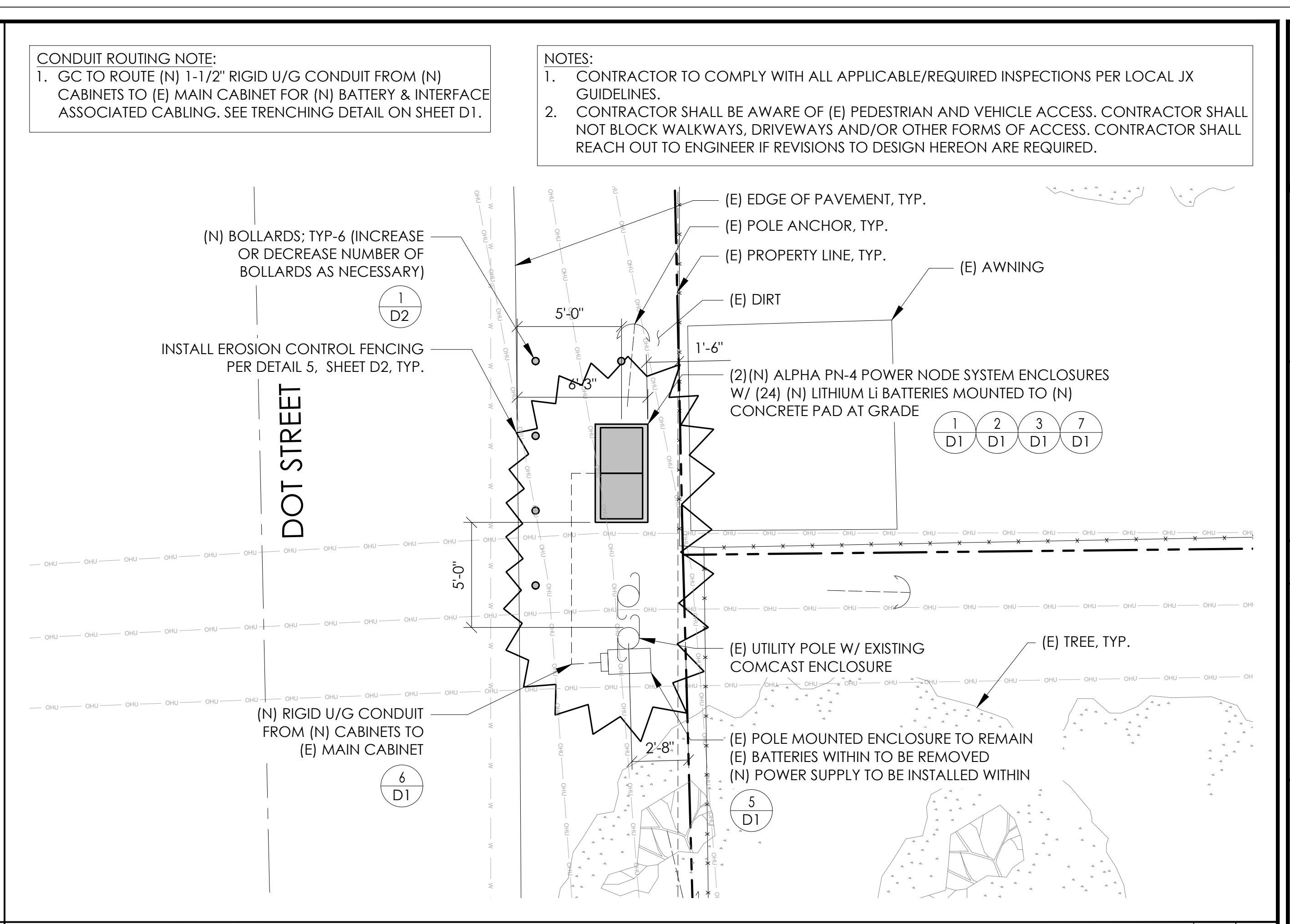
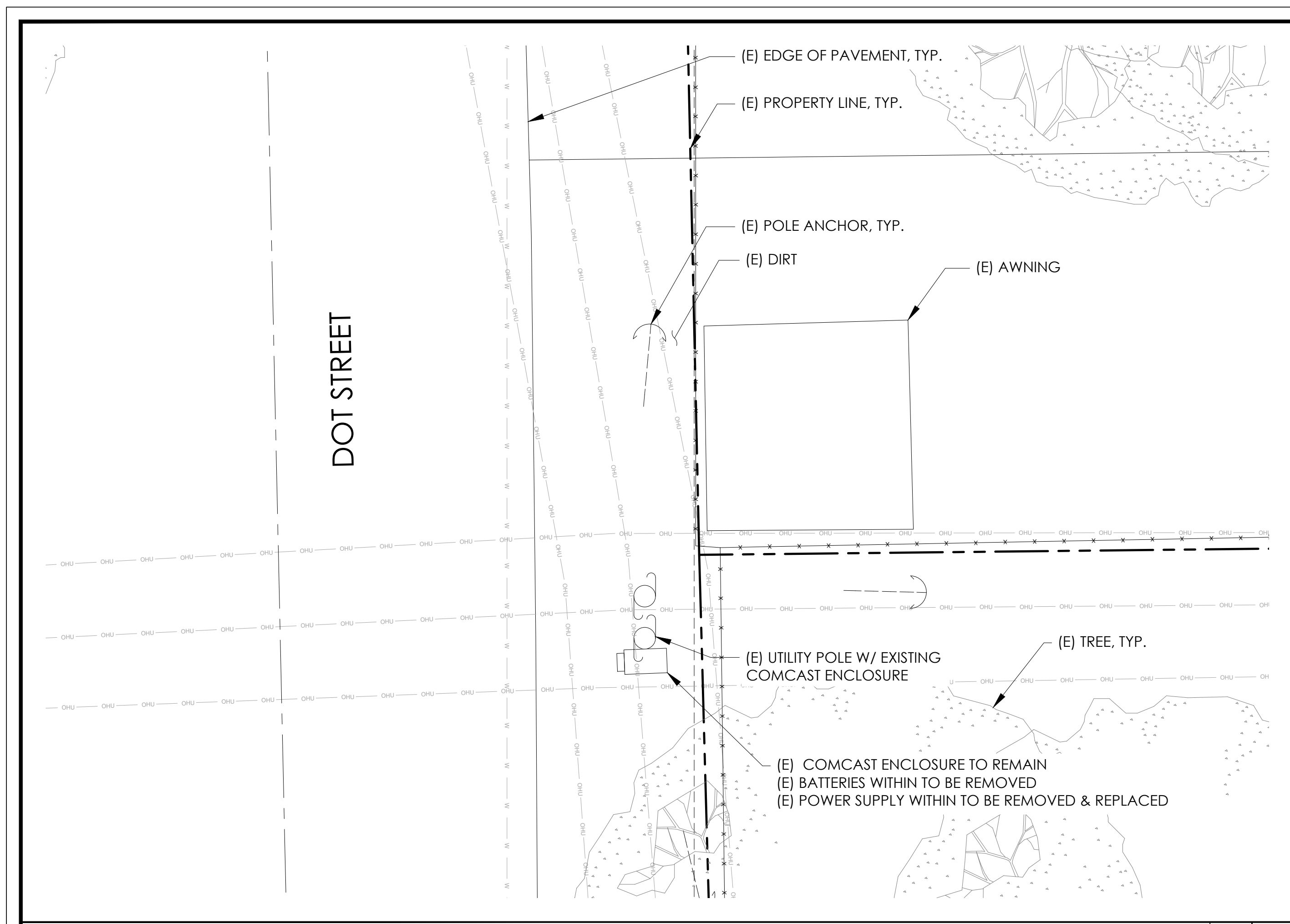


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX (MOVABLE)
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - FOUND MONUMENT



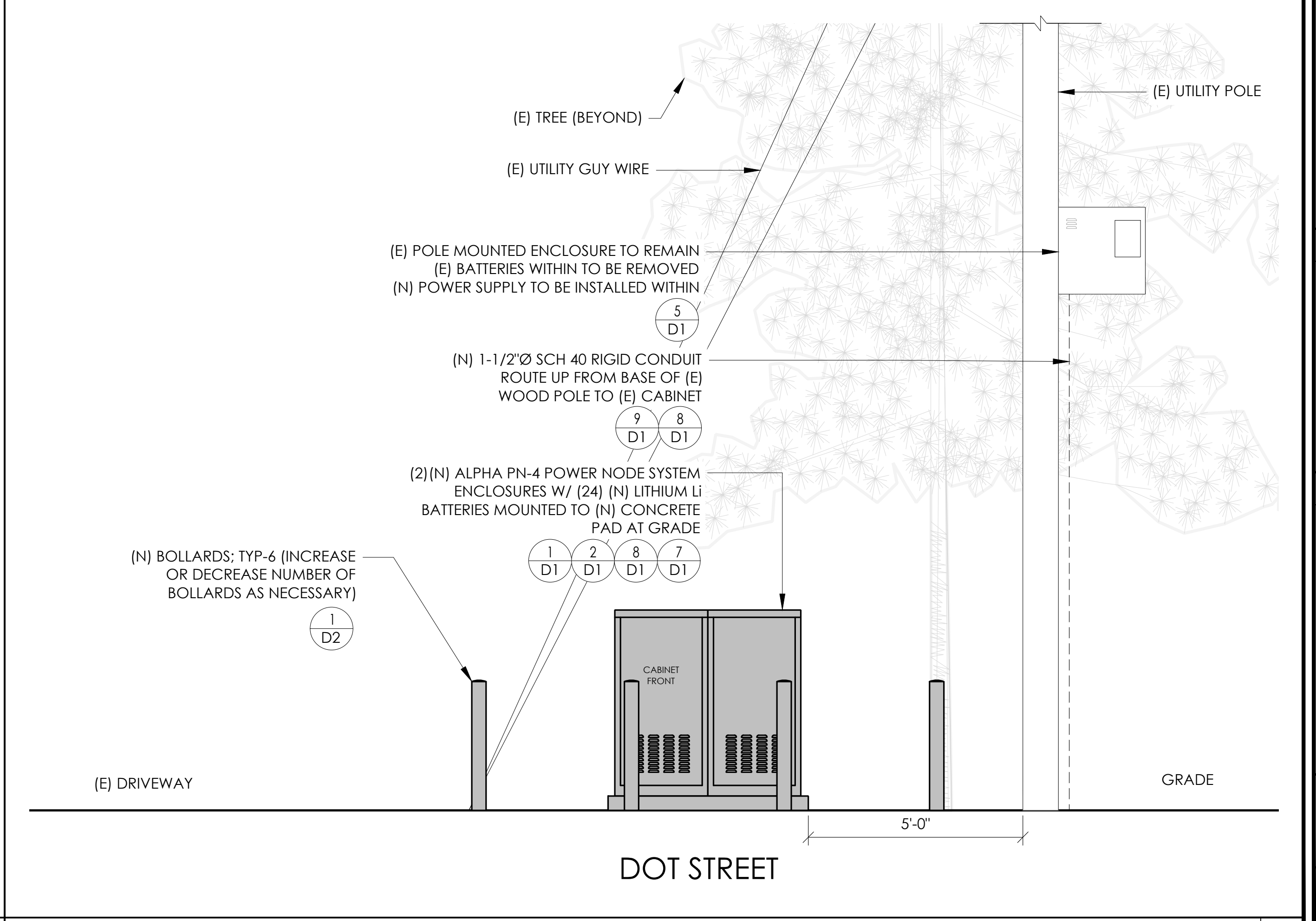
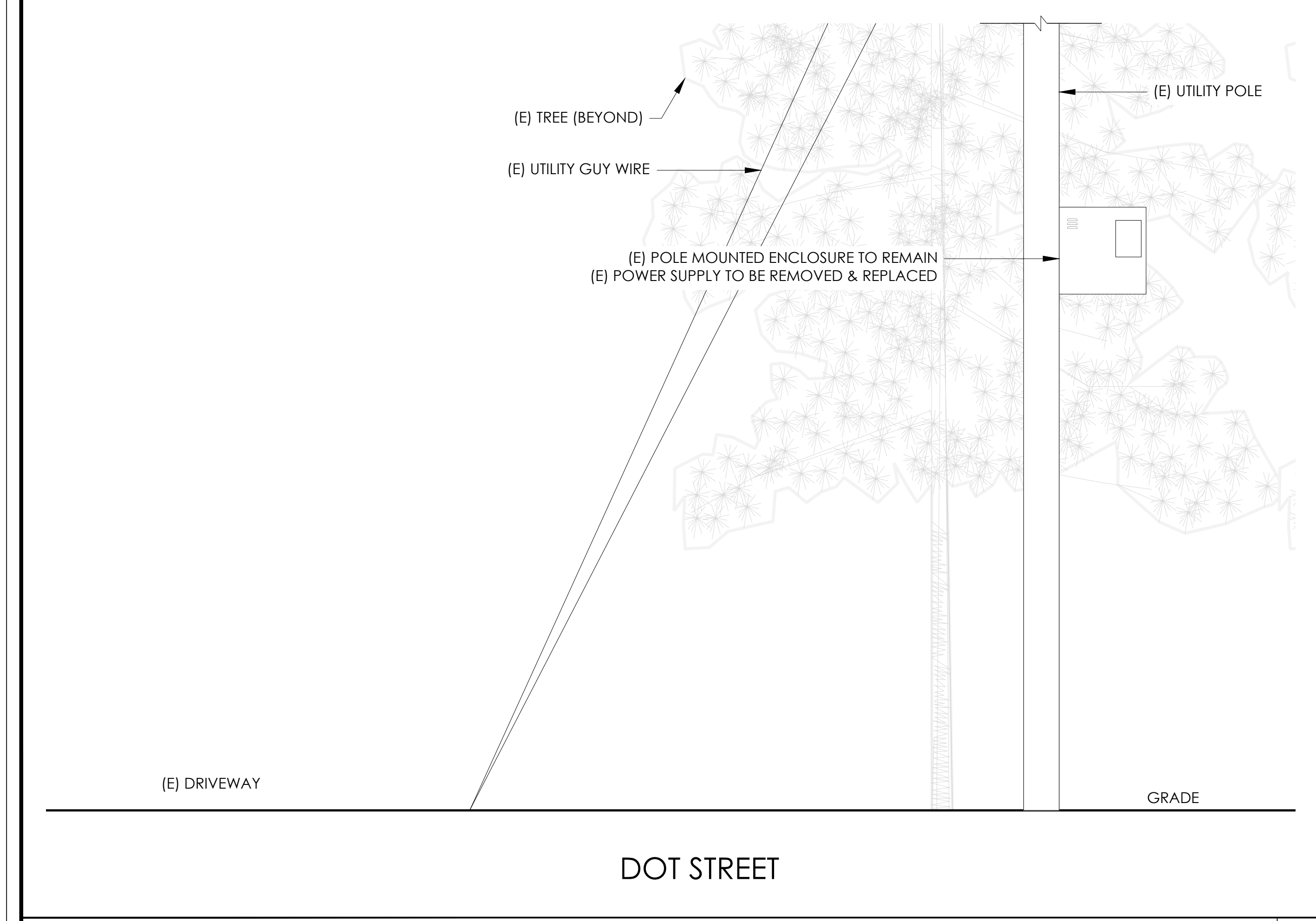
SITE SURVEY
SCALE 1"=10'





EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 3

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069680

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	12/02/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	06/22/23	100% CD REV PER PCC#3	ES
4	09/27/23	100% CD REVISION	JG

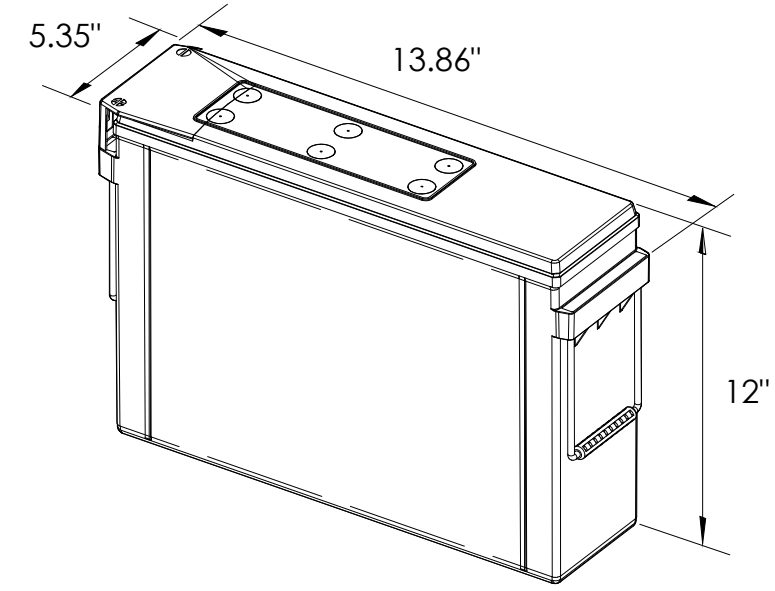
SEAL

 FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION
SITE ID:
 ST118-B_A
SITE ADDRESS:
 1184 DOT ST,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

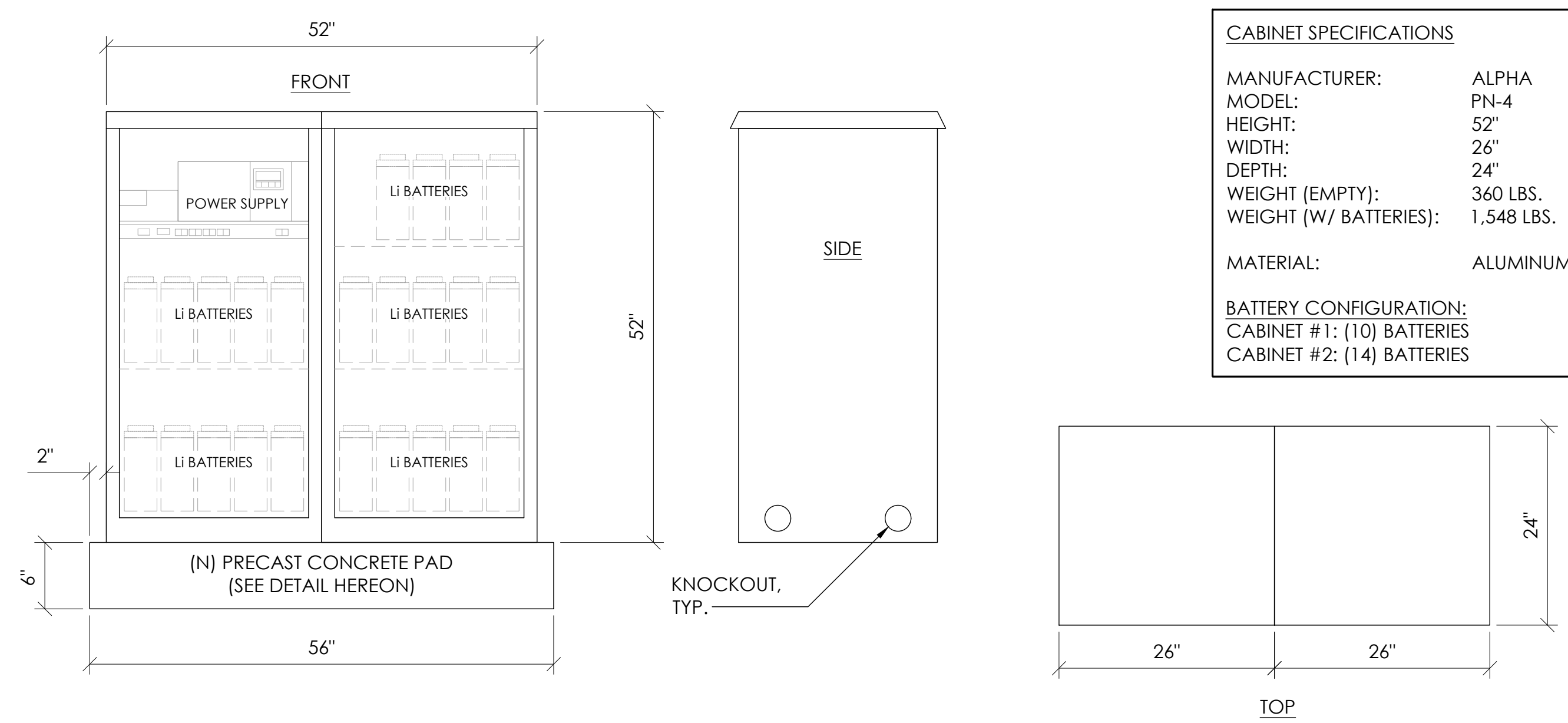
MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN
 WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS

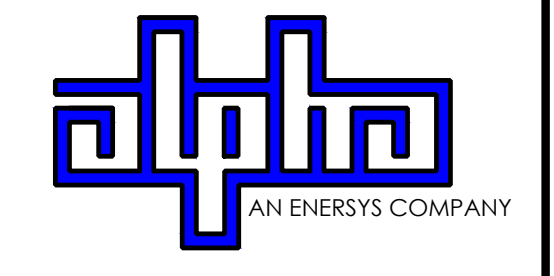
MANUFACTURER: ALPHA
 MODEL: PN-4
 HEIGHT: 52"
 WIDTH: 26"
 DEPTH: 24"
 WEIGHT (EMPTY): 360 LBS.
 WEIGHT (W/ BATTERIES): 1,548 LBS.
 MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
 CABINET #1: (10) BATTERIES
 CABINET #2: (14) BATTERIES

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



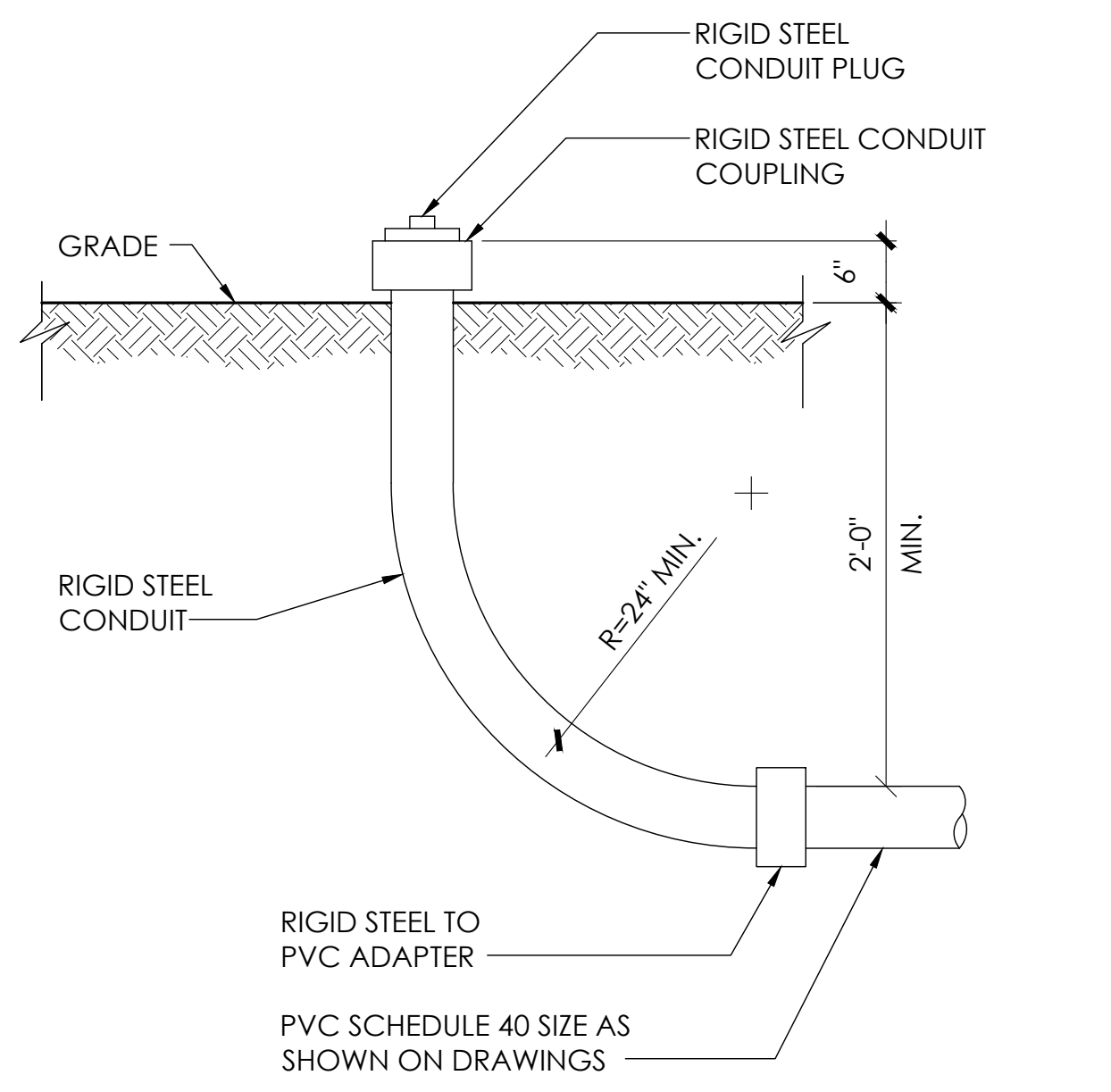
3767 ALPHA WAY
 BELLINGHAM, WA 98226



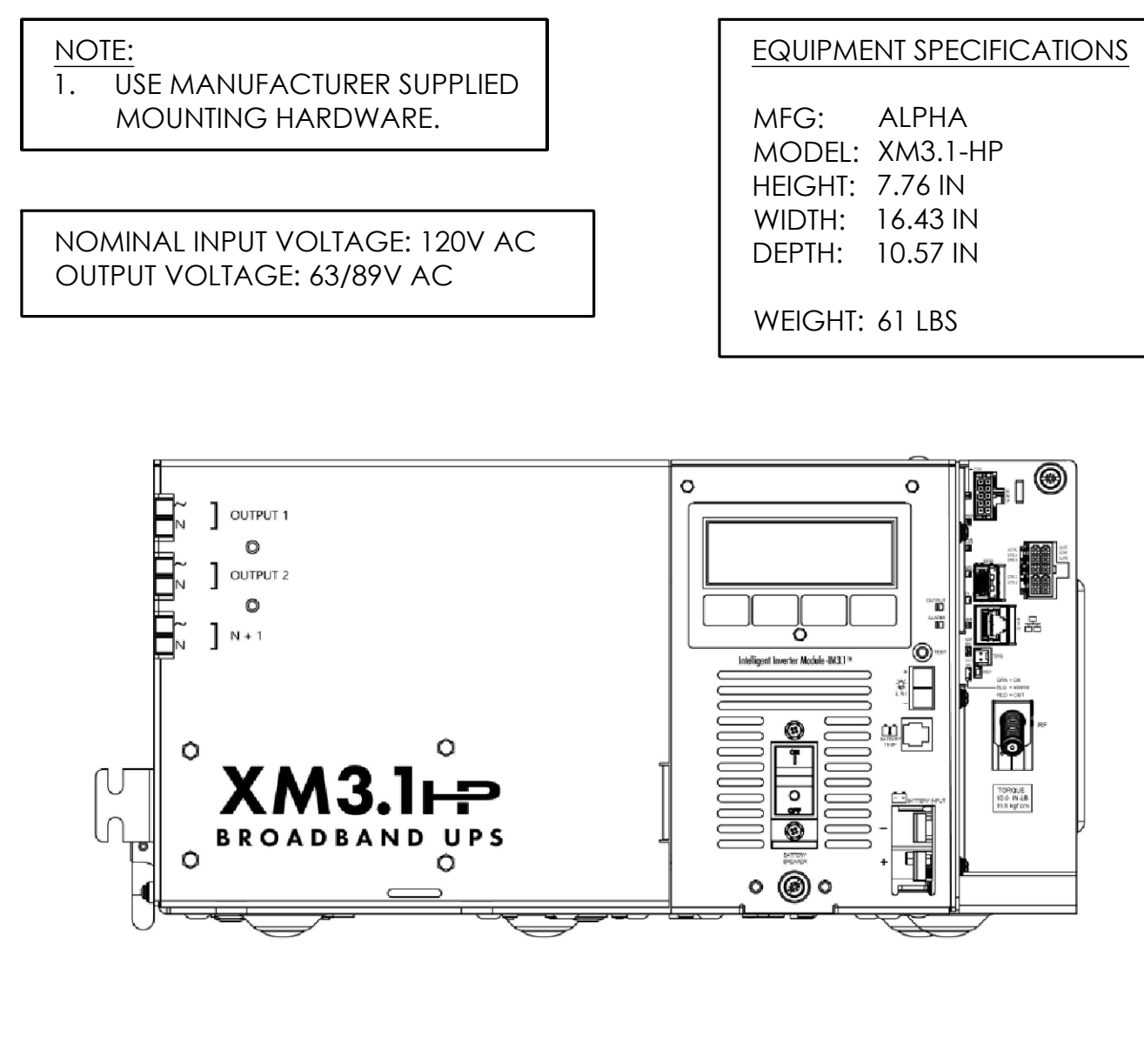
23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069680

ISSUE STATUS

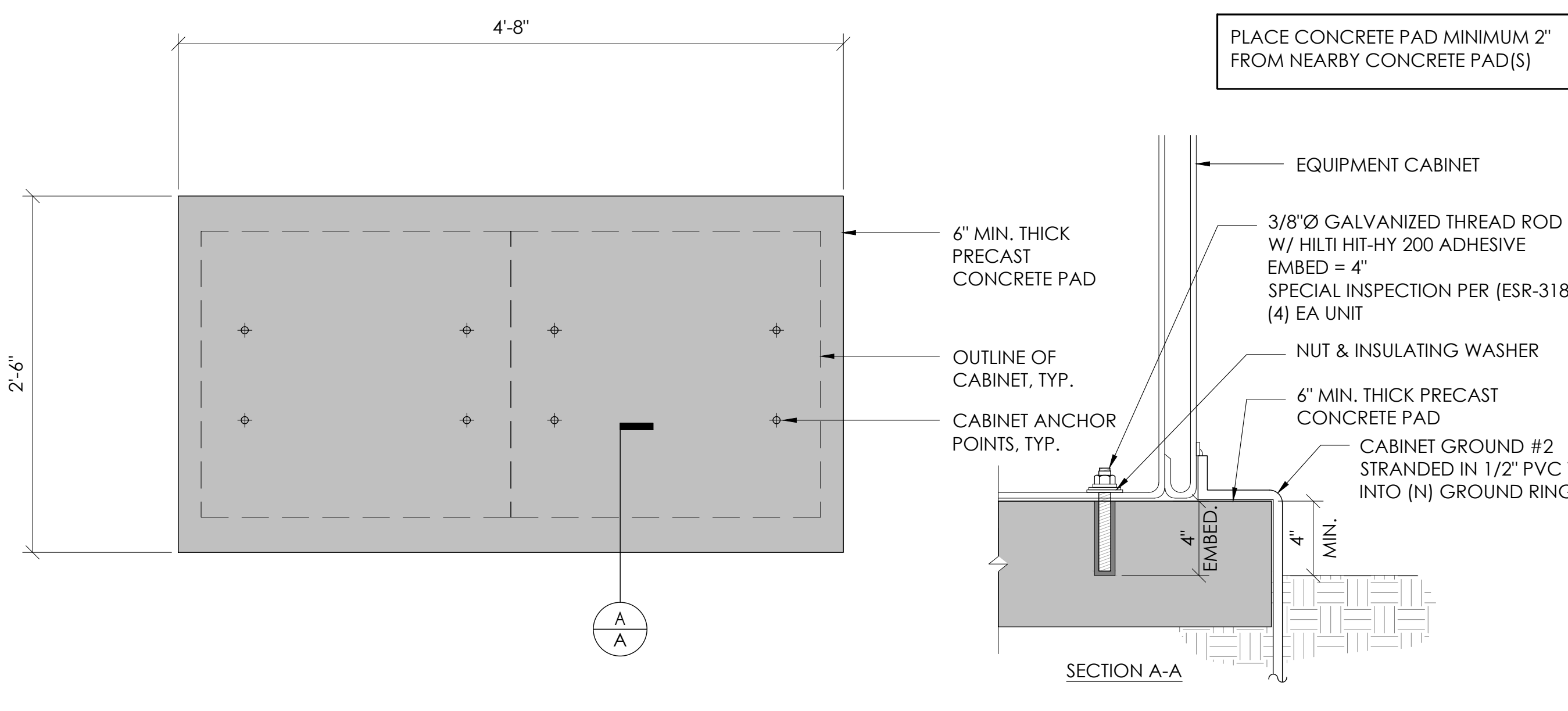
REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	12/02/22	100% CD REV PER PCC#1	LG
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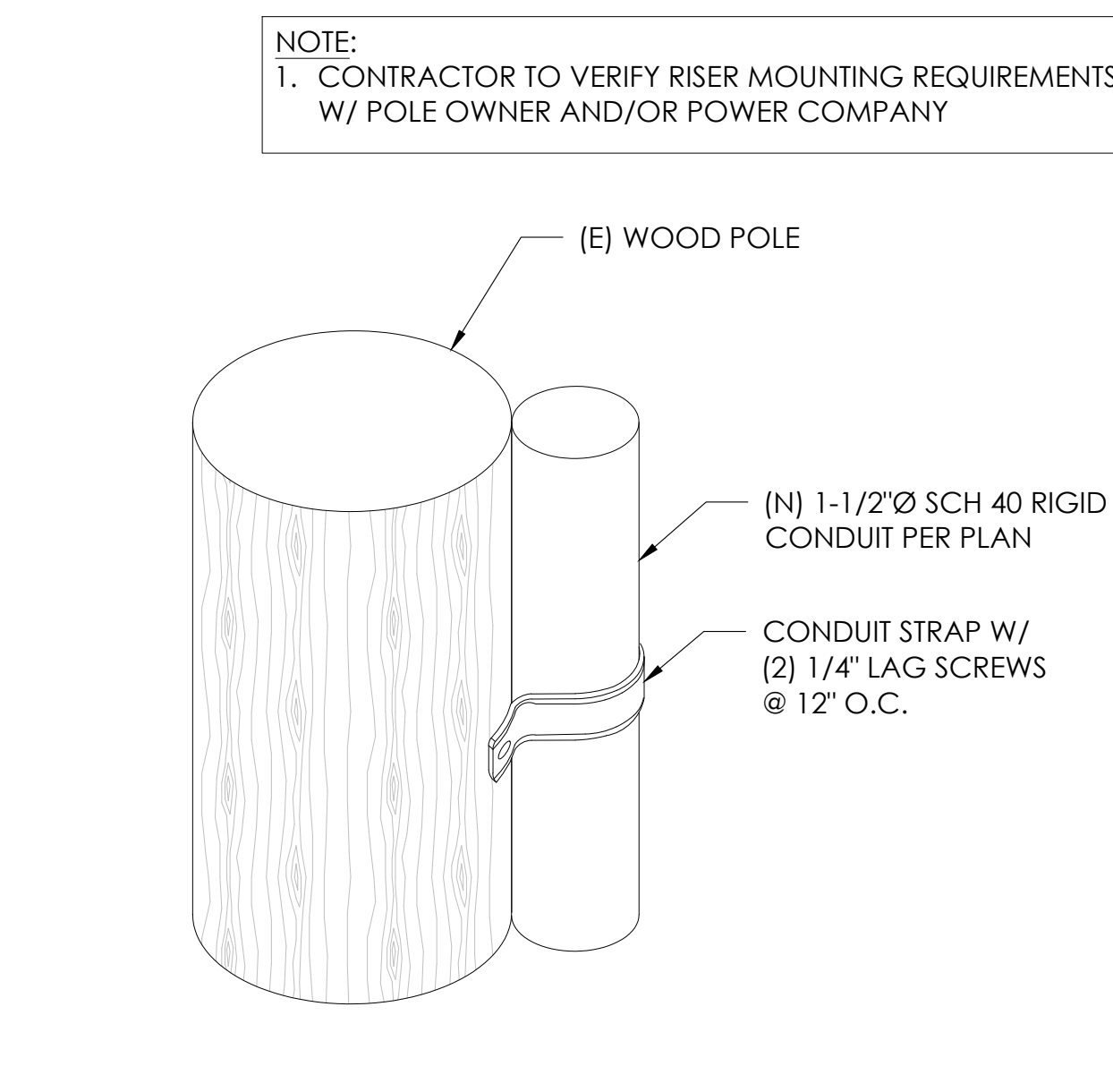
8 STUB-UP DETAIL
N.T.S.



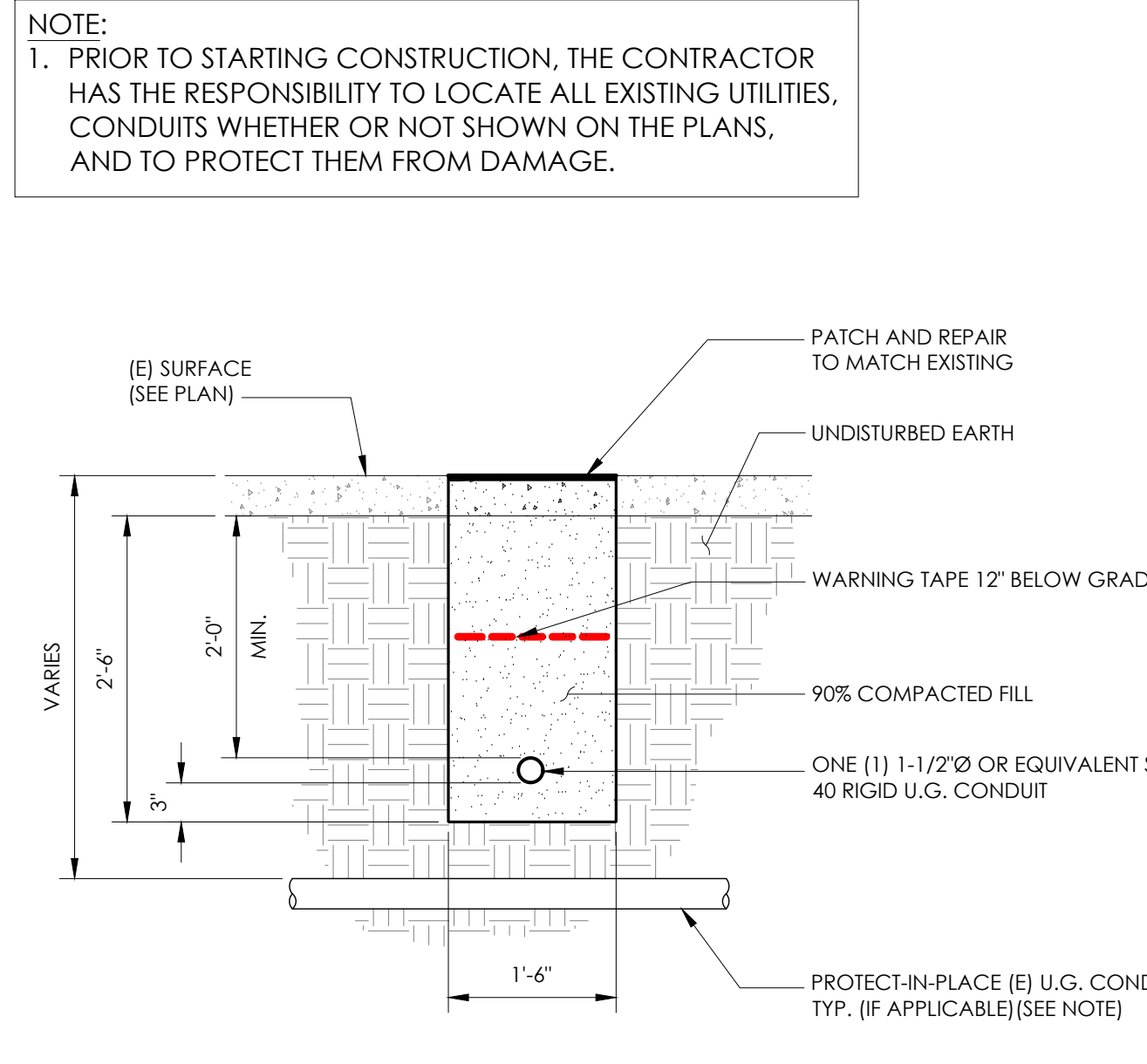
5 POWER SUPPLY DETAIL
N.T.S.



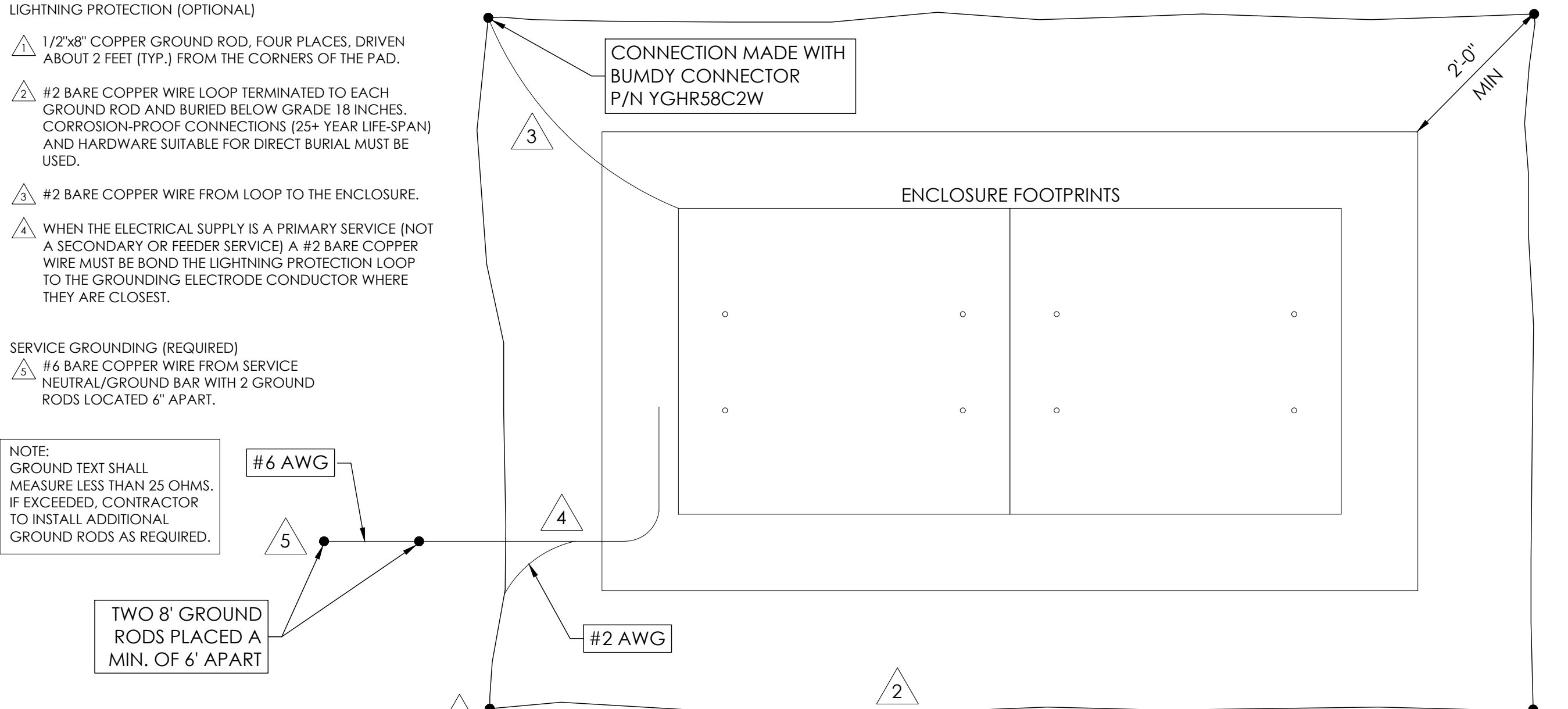
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.

SEAL

FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST118-B_A

SITE ADDRESS:
1184 DOT ST,
SOUTH LAKE TAHOE, CA
96150

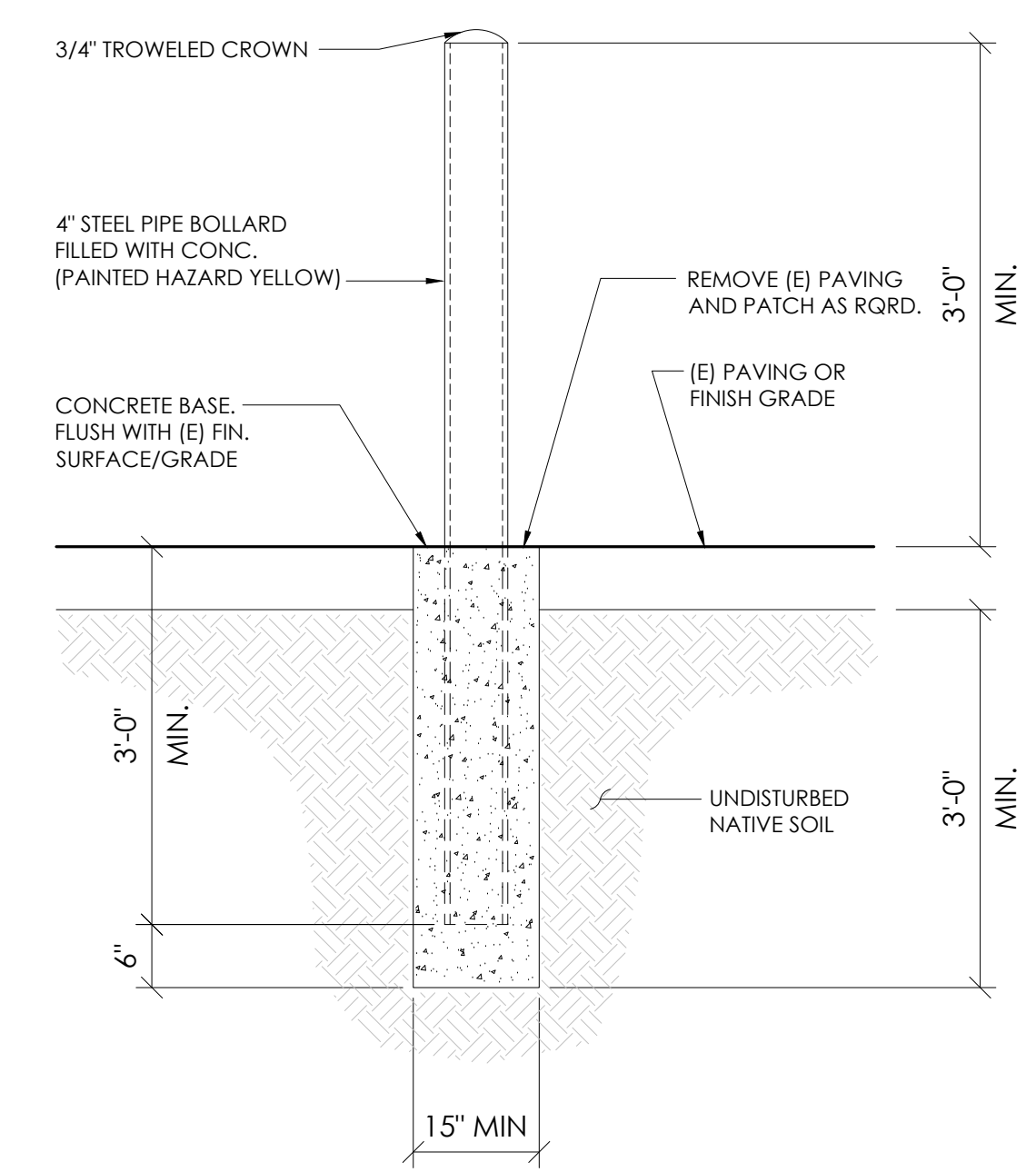
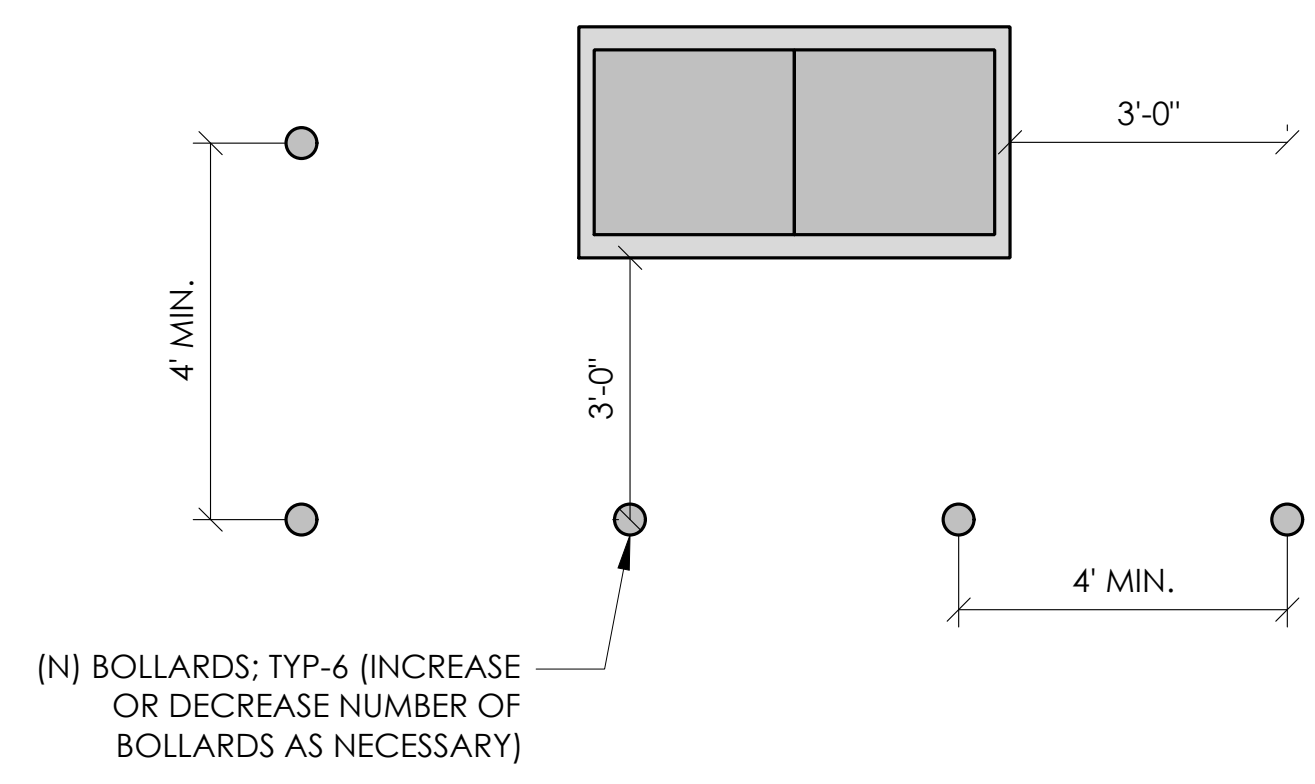
SHEET TITLE:
DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

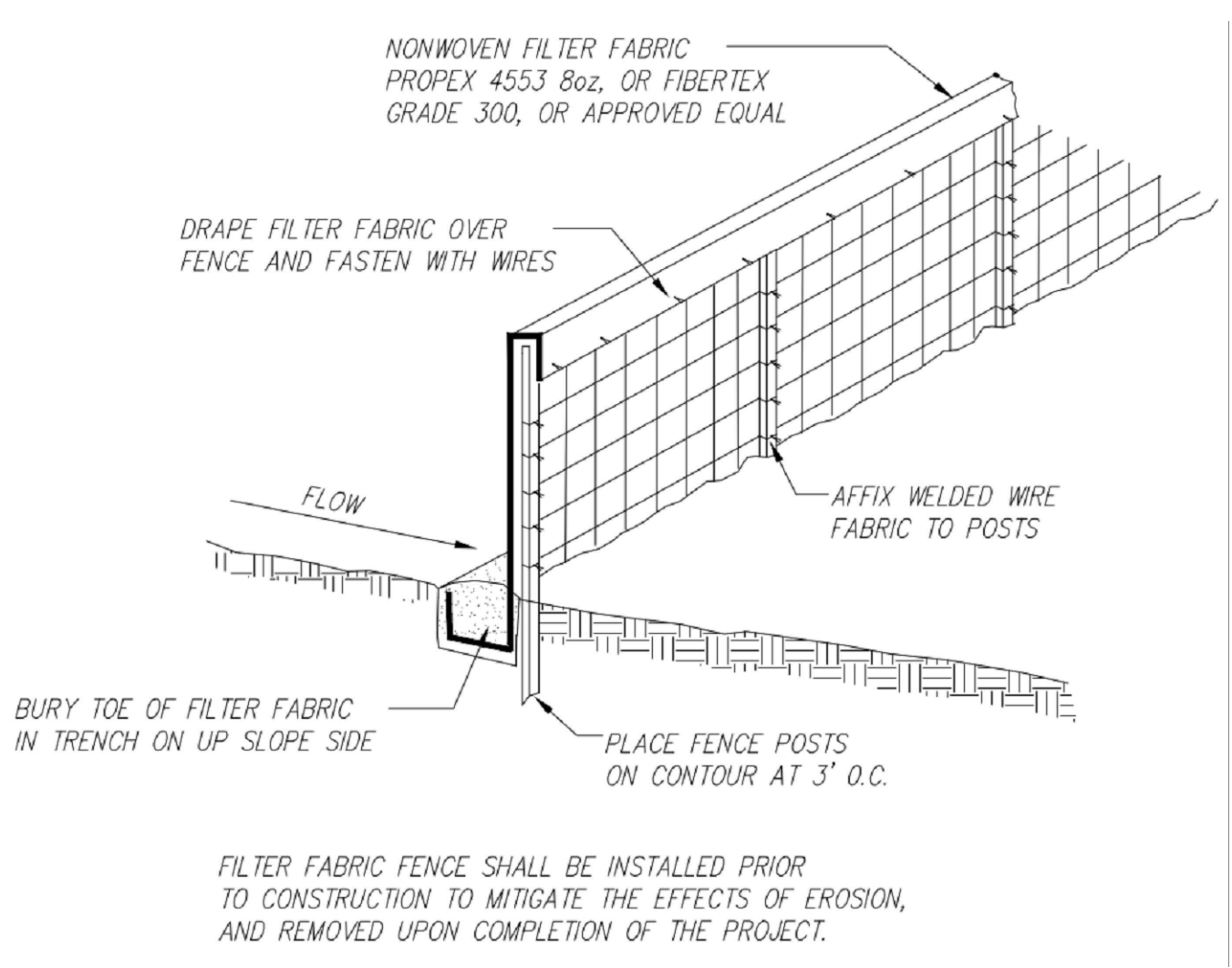
1 BOLLARD DETAIL
N.T.S.



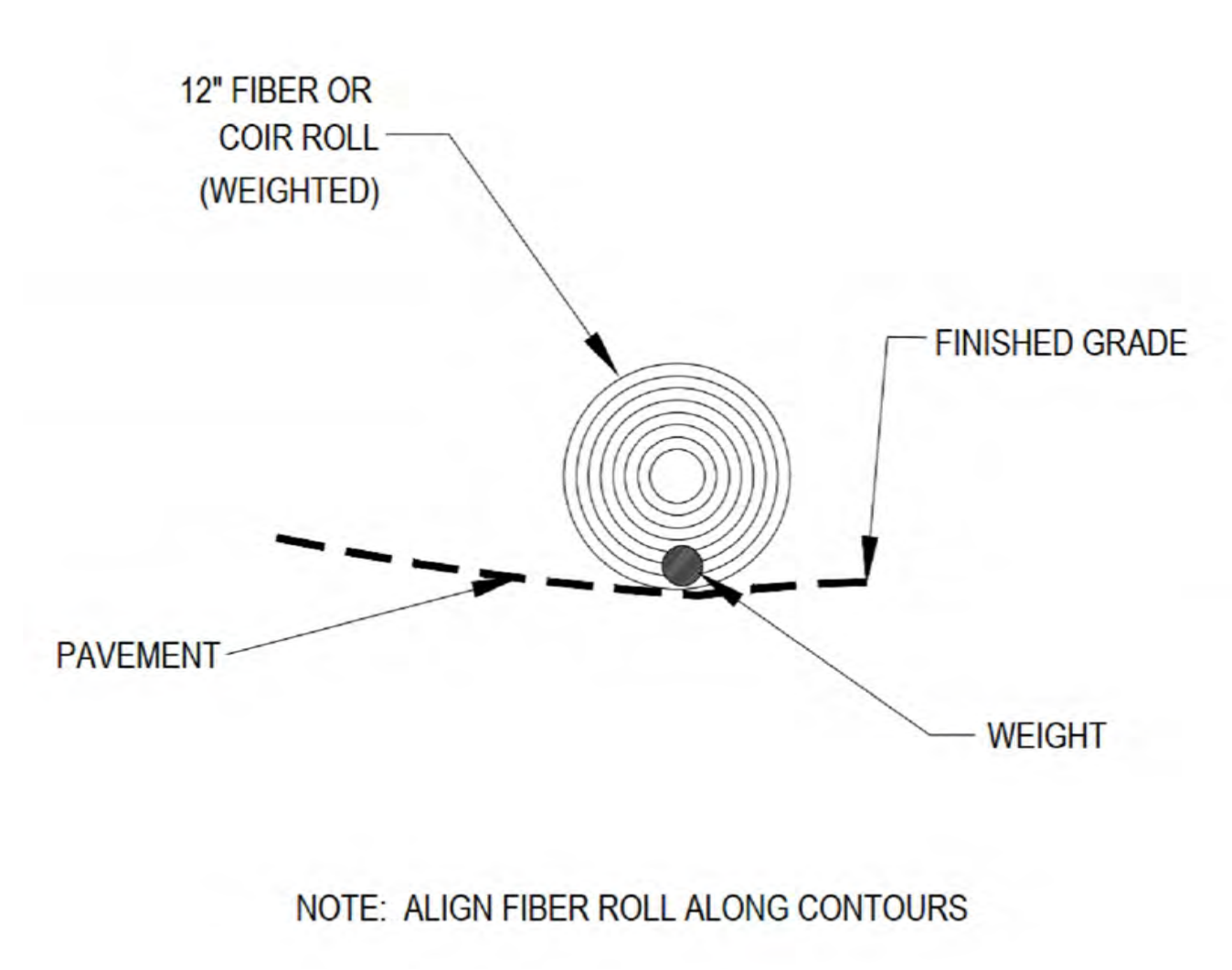
11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

5 EROSION CONTROL FENCING
N.T.S.



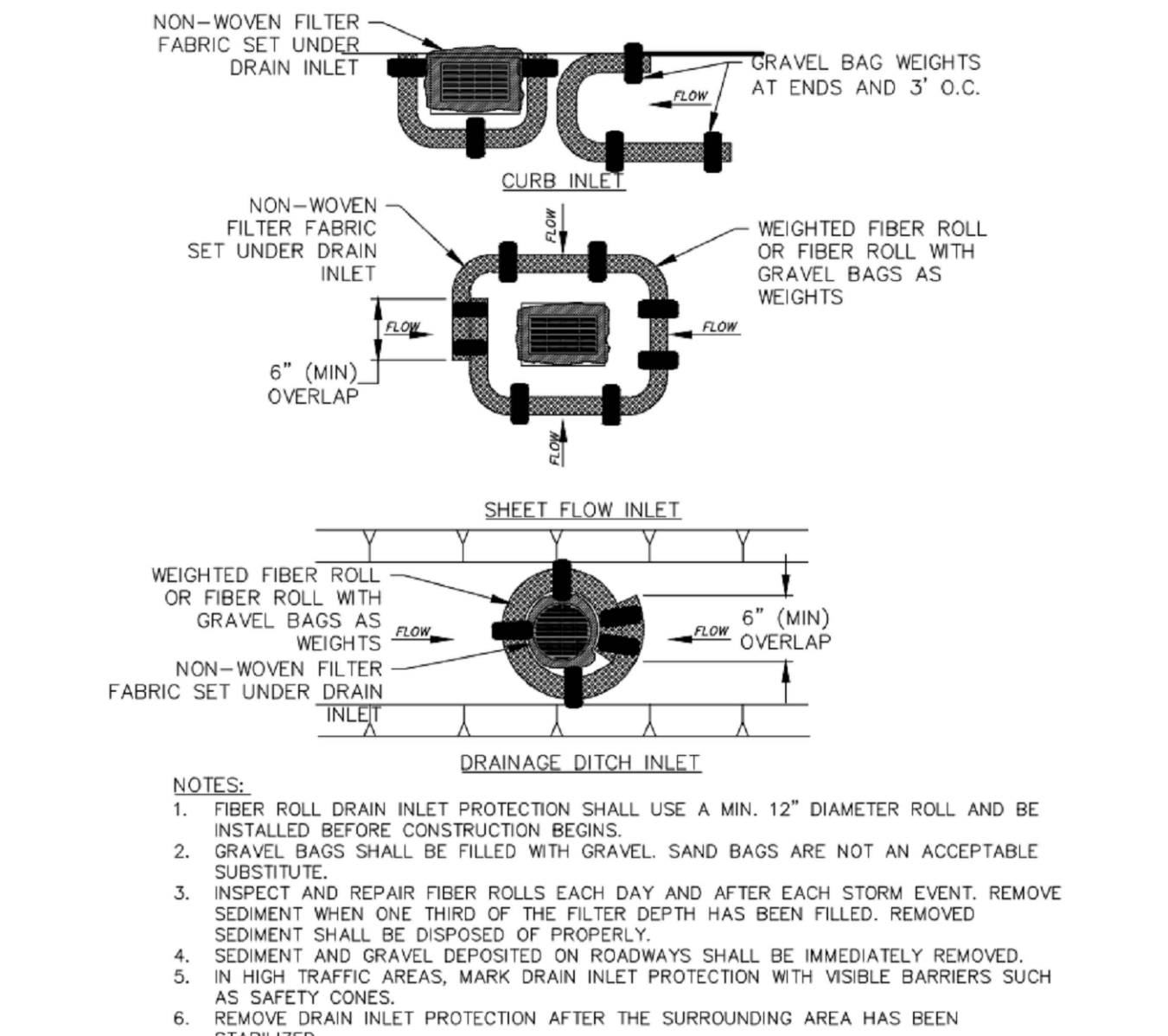
2 WEIGHTED COIR LOGS
N.T.S.



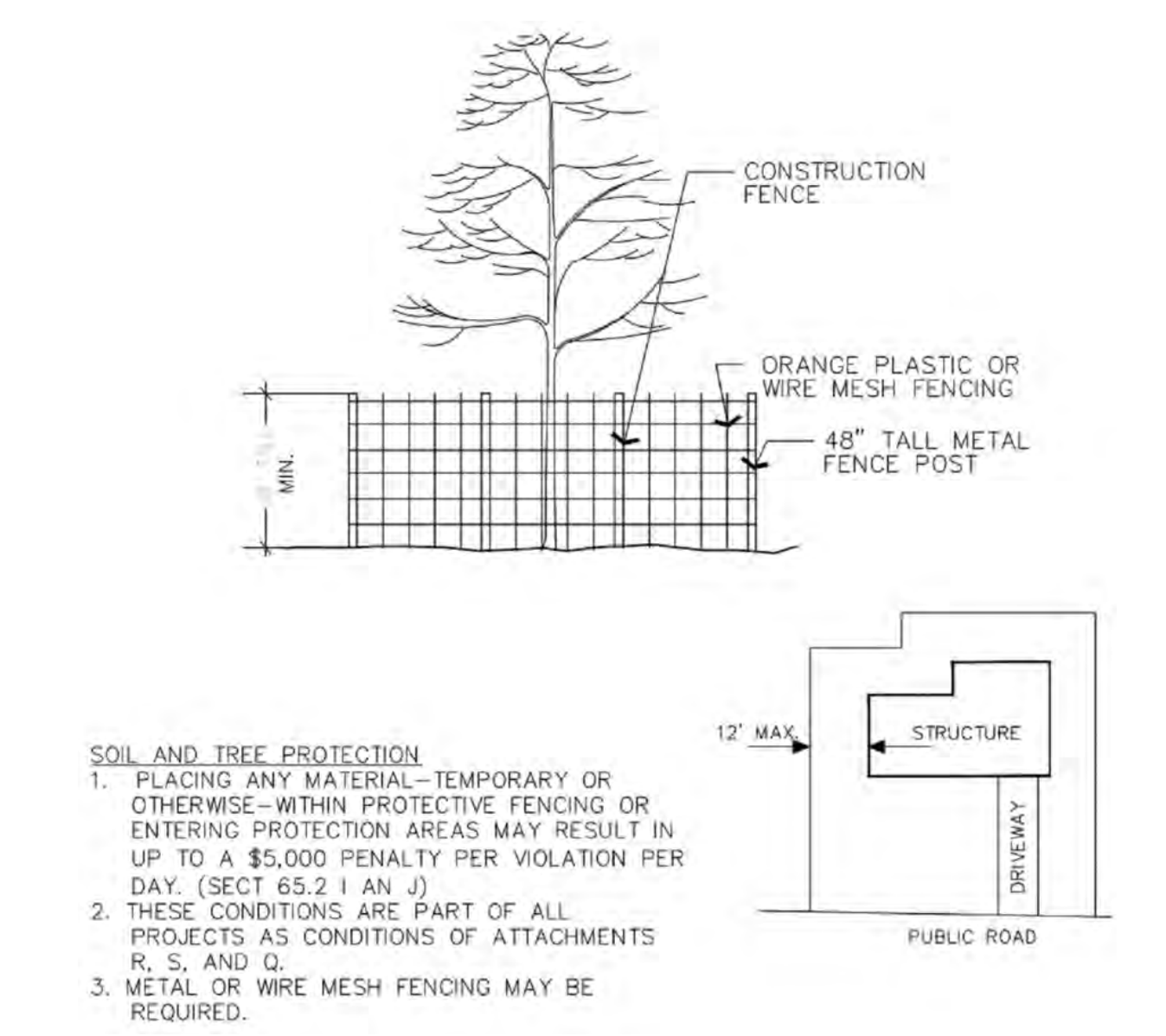
12 NOT USED
N.T.S.

9 NOT USED
N.T.S.

6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069680

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
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SEAL

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SITE INFORMATION

SITE ID:
ST118-B_A

SITE ADDRESS:
1184 DOT ST,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

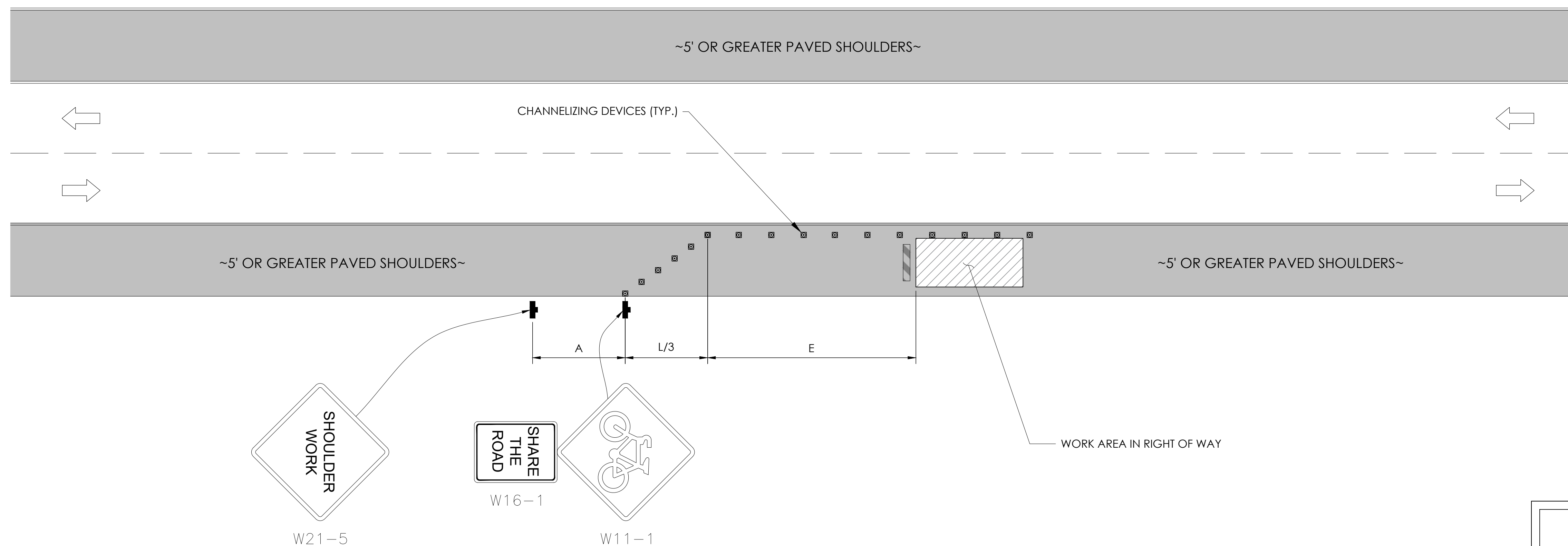
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

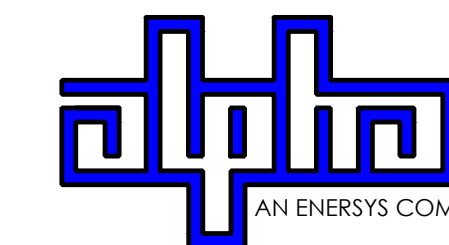
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



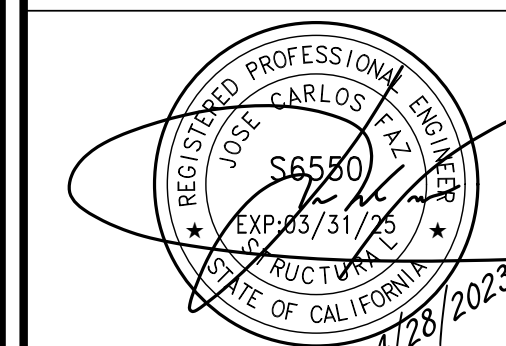
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069680

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	12/02/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	06/22/23	100% CD REV PER PCC#3	ES
4	09/27/23	100% CD REVISION	JG

SEAL



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SITE INFORMATION

SITE ID:
ST118-B_A

SITE ADDRESS:
1184 DOT ST,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



2Li SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (24) (N) LITHIUM LI BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

LOCATION MAP



SITE ID: ST117A_

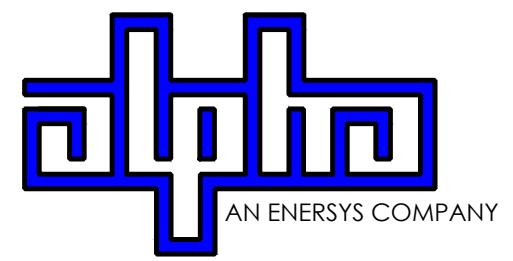
SITE ADDRESS:
1395 KELLER RD,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	1395 KELLER RD SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9403116, -119.9405233
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	8
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	1 C.Y.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069677

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
0	12/27/21	100% CD	IK
1	12/02/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	05/25/23	100% CD REV PER PCC#2	JG
4	06/22/23	100% CD REV PER PCC#3	ES
5	09/25/23	100% CD SURVEY ADD	JDJ

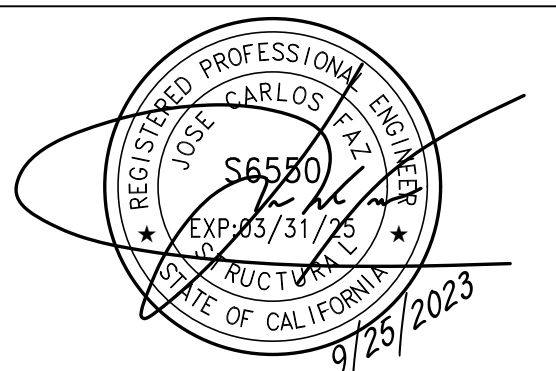
DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL
LS-1	SURVEY

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		

SEAL



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CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 2 - CALIFORNIA ADMINISTRATIVE CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANSITIA-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SITE INFORMATION

SITE ID:
ST117A_

SITE ADDRESS:
1395 KELLER RD,
SOUTH LAKE TAHOE, CA
96150

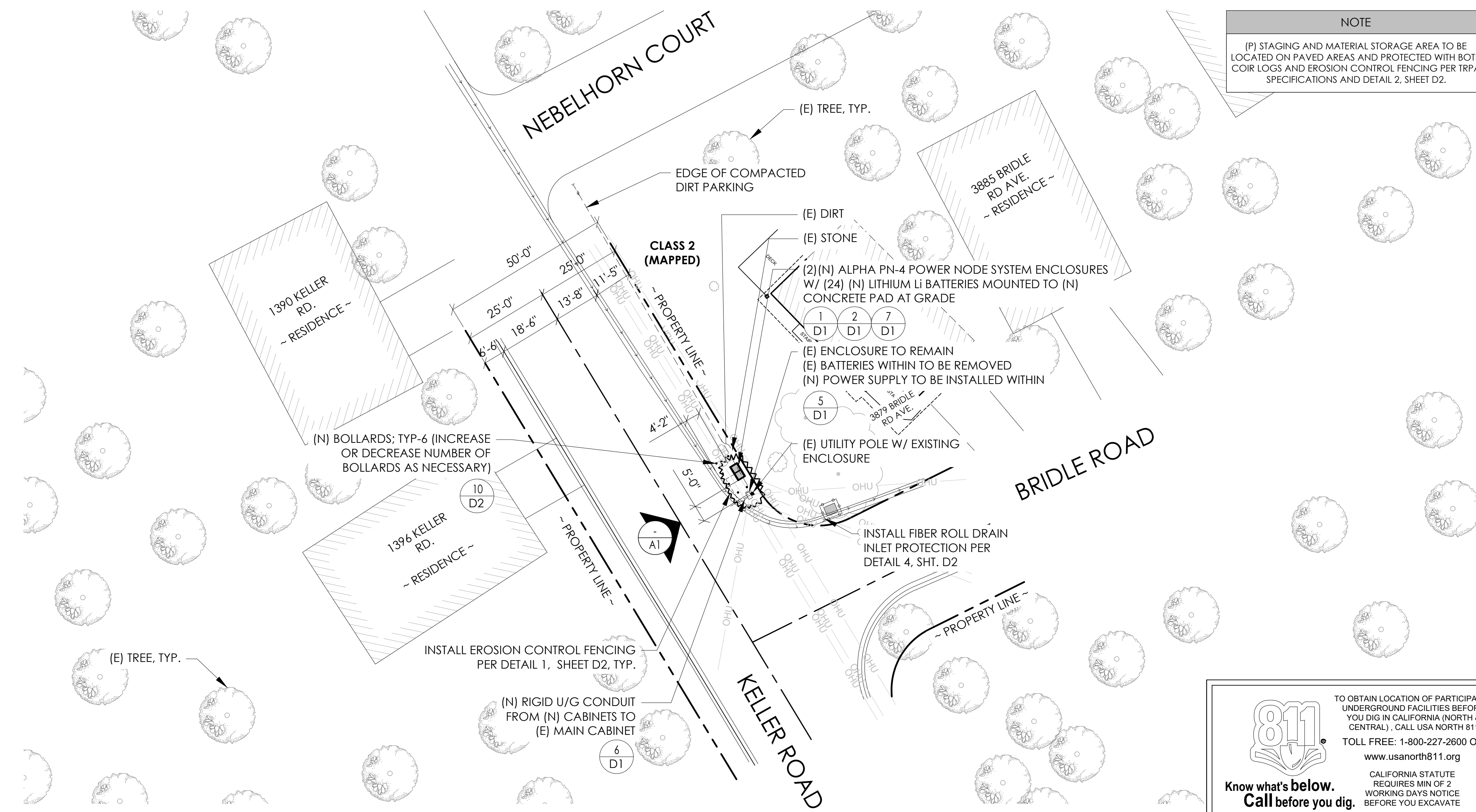
SHEET TITLE:

TITLE SHEET

T1

NOTE

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHEET D2.

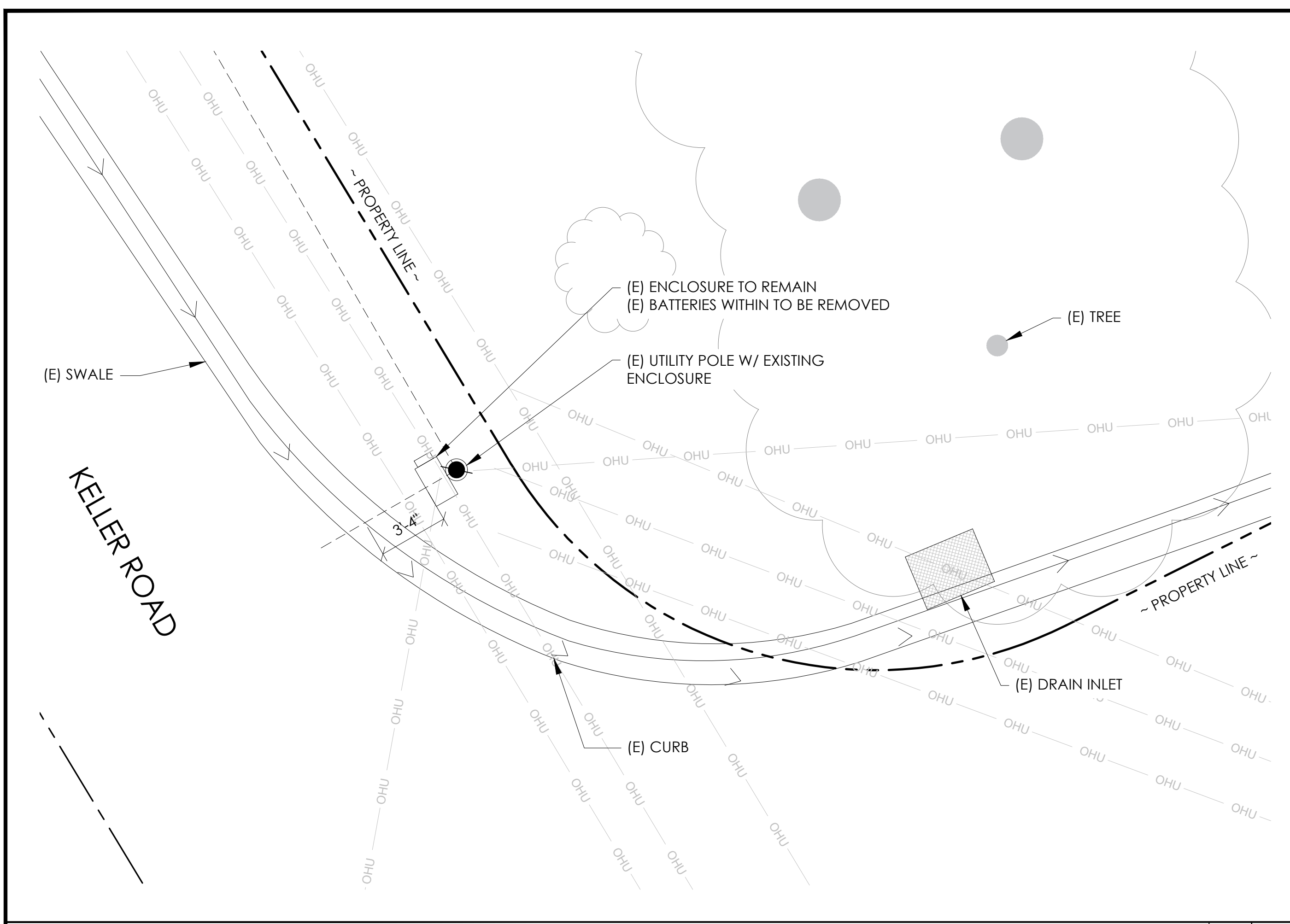


811
Know what's below.
Call before you dig.

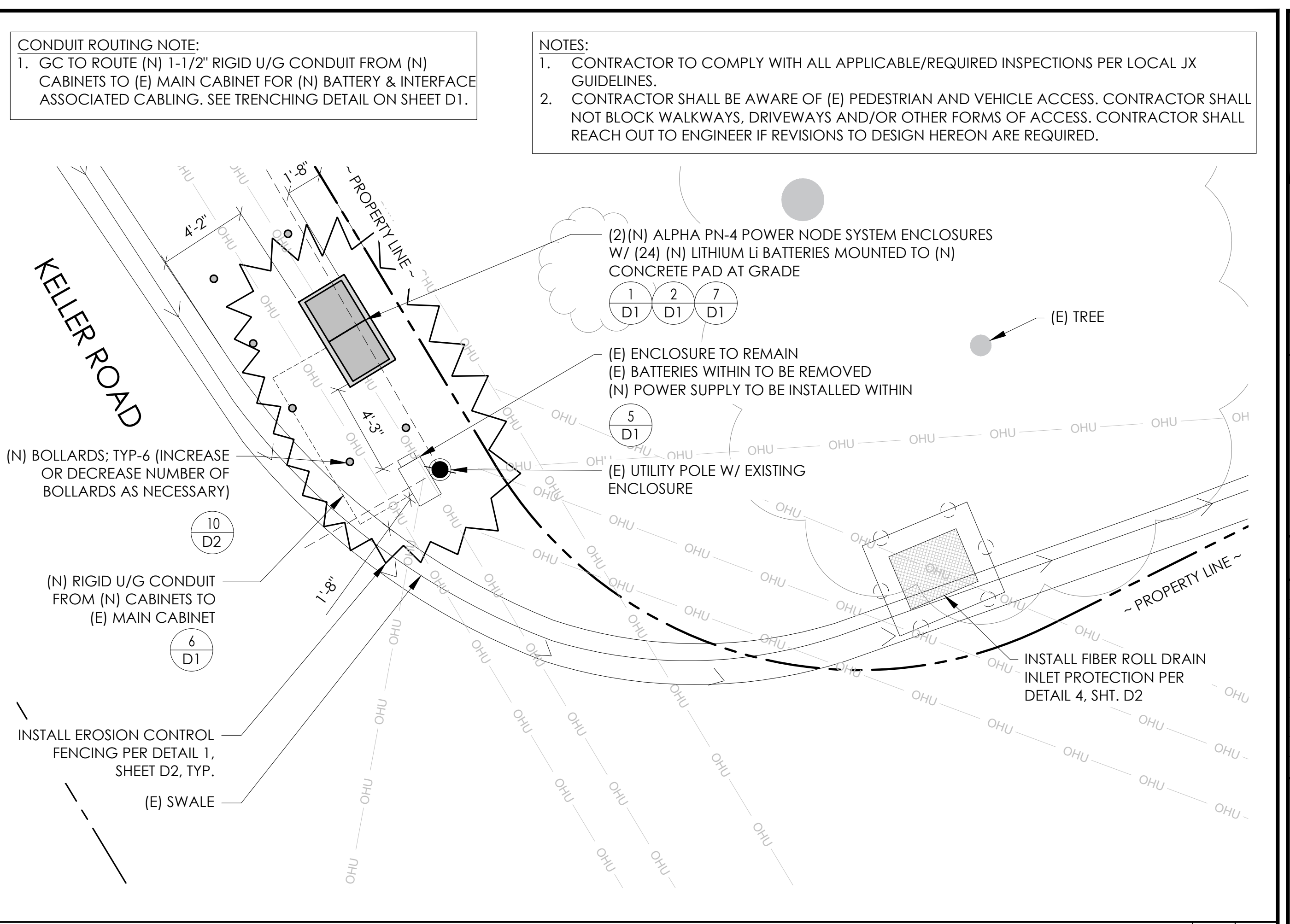
TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
TOLL FREE: 1-800-227-2600 OR www.usanorth811.org
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"

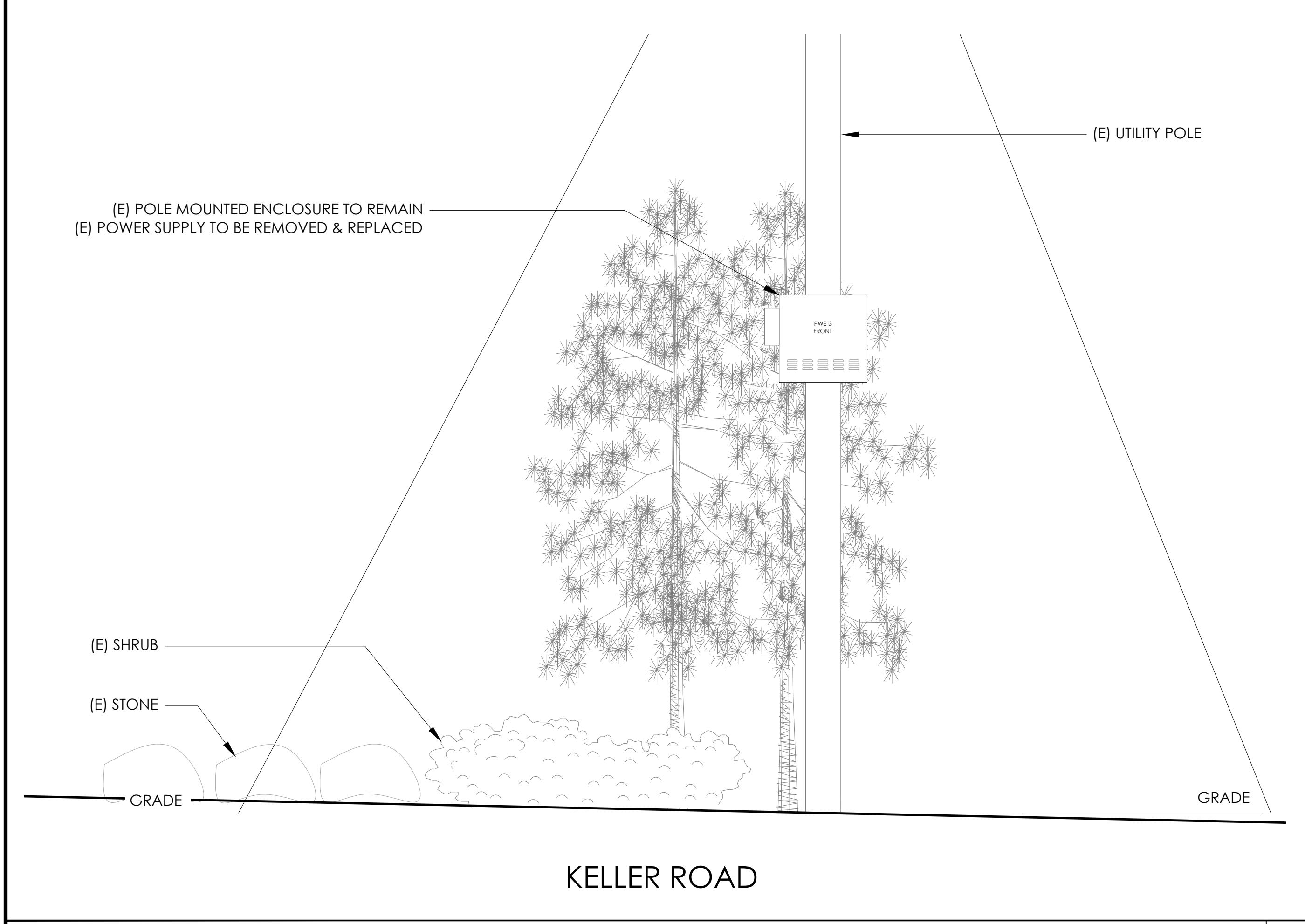
SITE PLAN



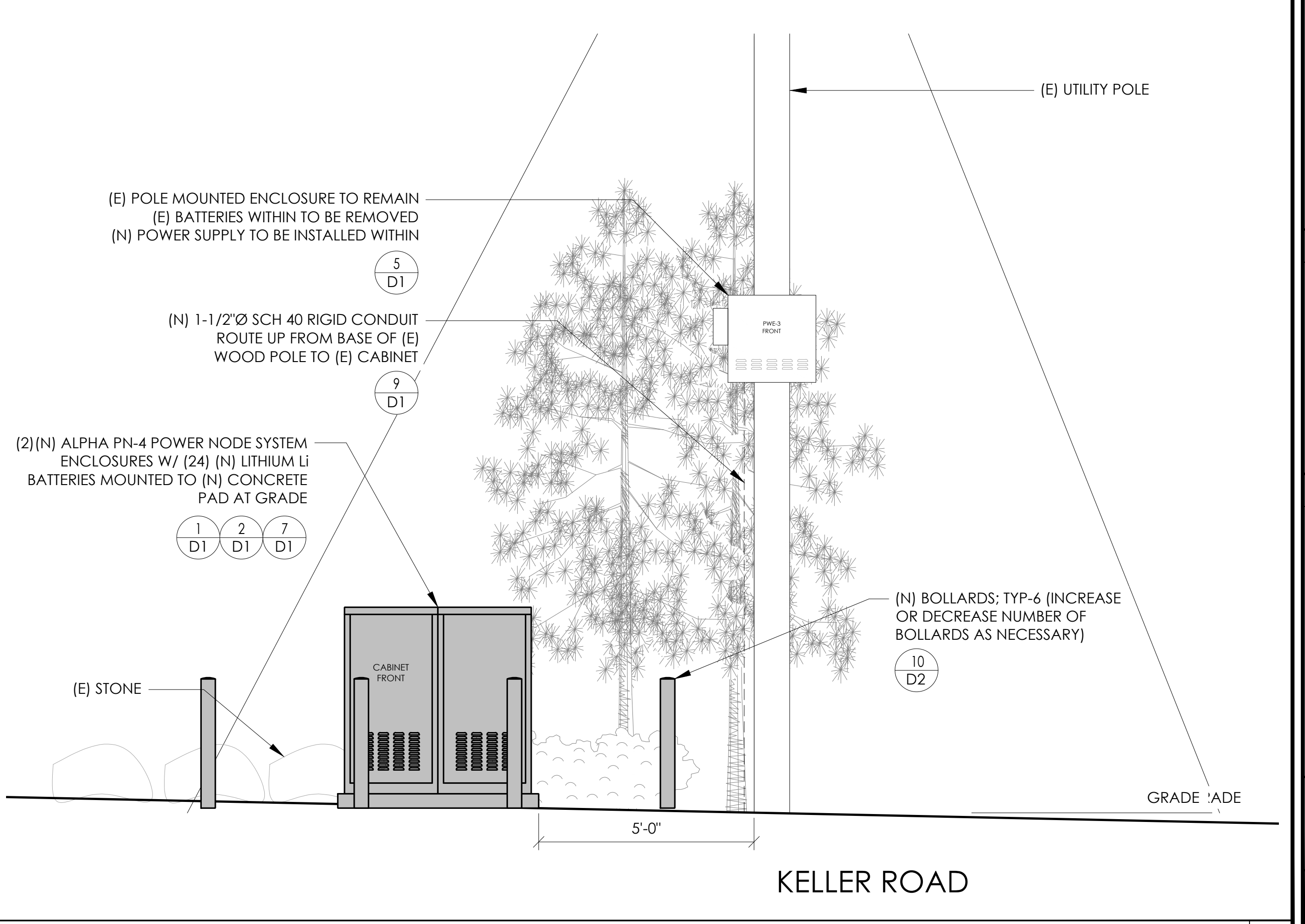
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3

CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



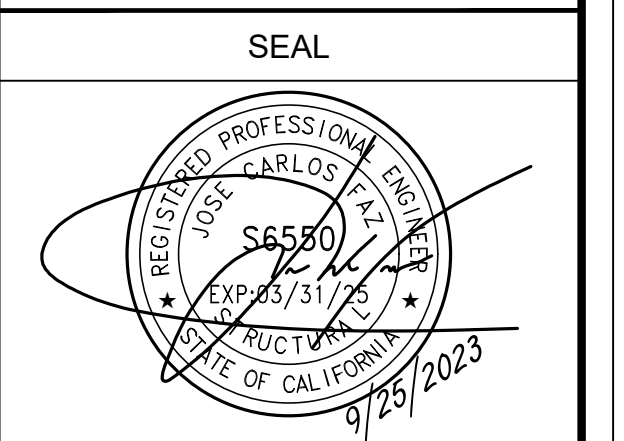
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069677

ISSUE STATUS			
REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
0	12/27/21	100% CD	IK
1	12/02/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	05/25/23	100% CD REV PER PCC#2	JG
4	08/22/23	100% CD REV PER PCC#3	ES
5	09/28/23	100% CD SURVEY ADD	JDJ

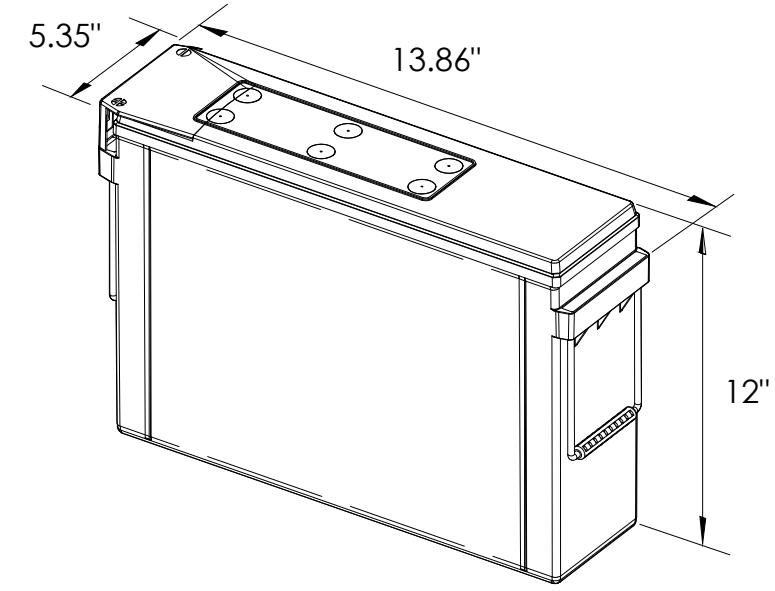


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SITE INFORMATION
SITE ID:
ST117A_
SITE ADDRESS:
1395 KELLER RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

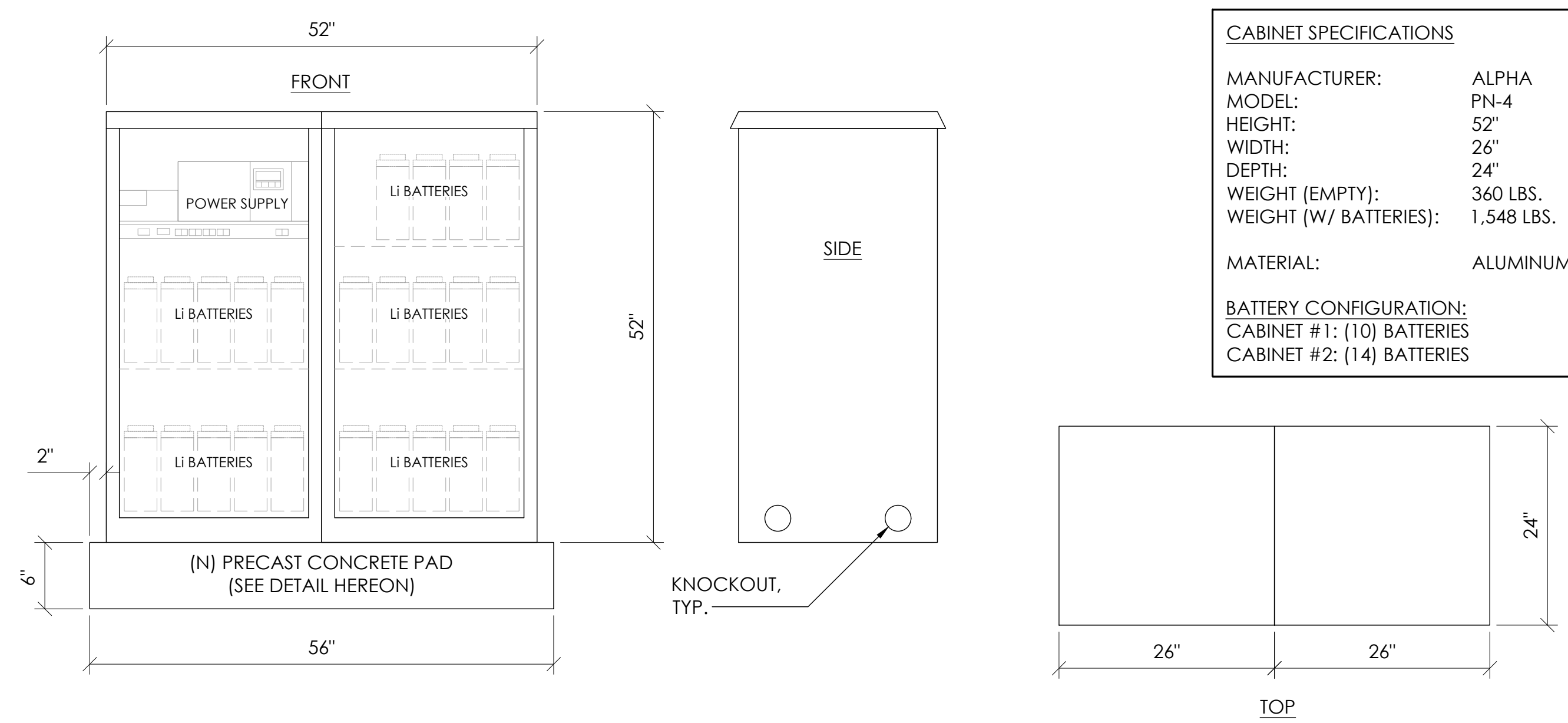
MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN
 WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

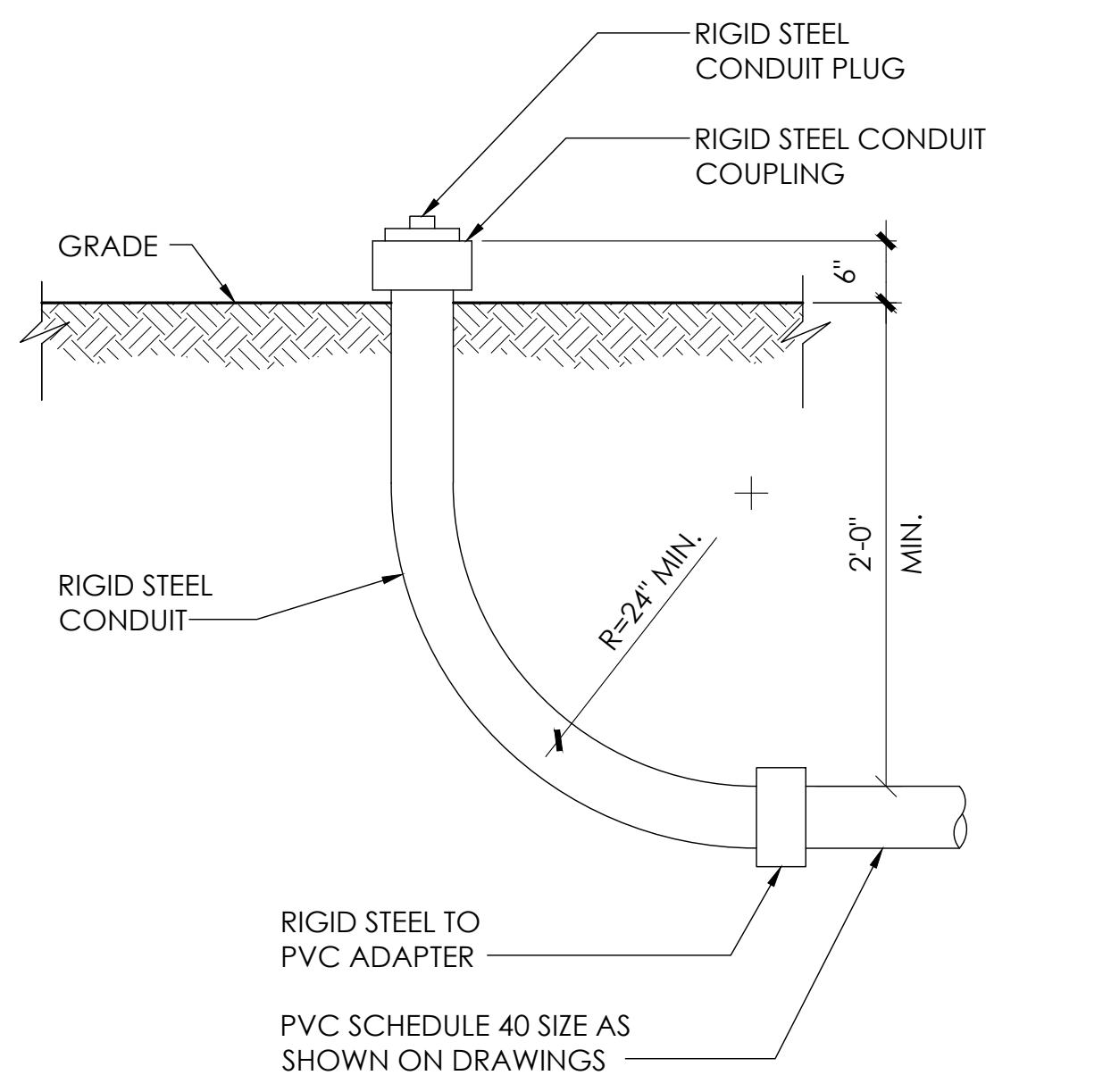
BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

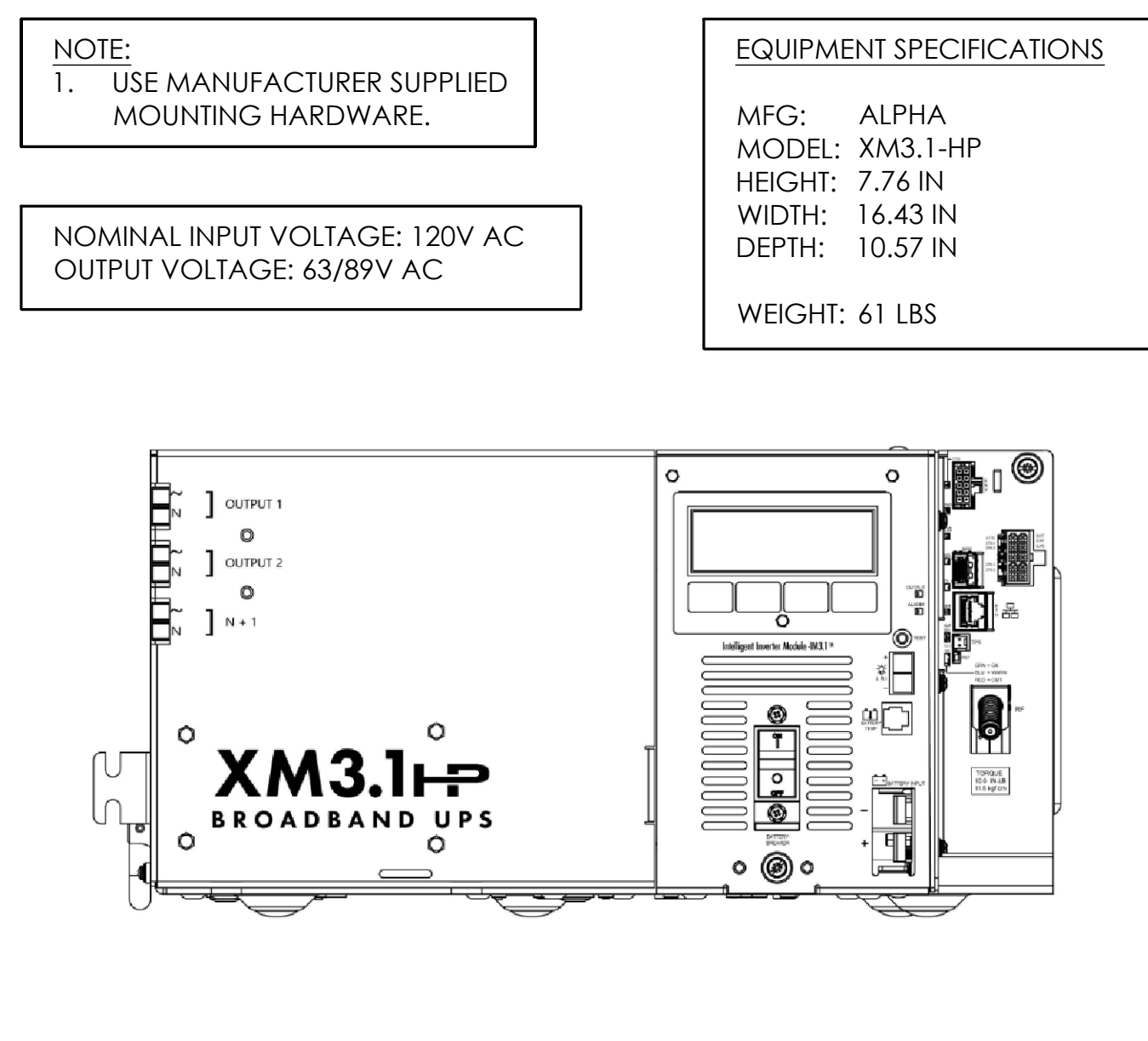
7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.



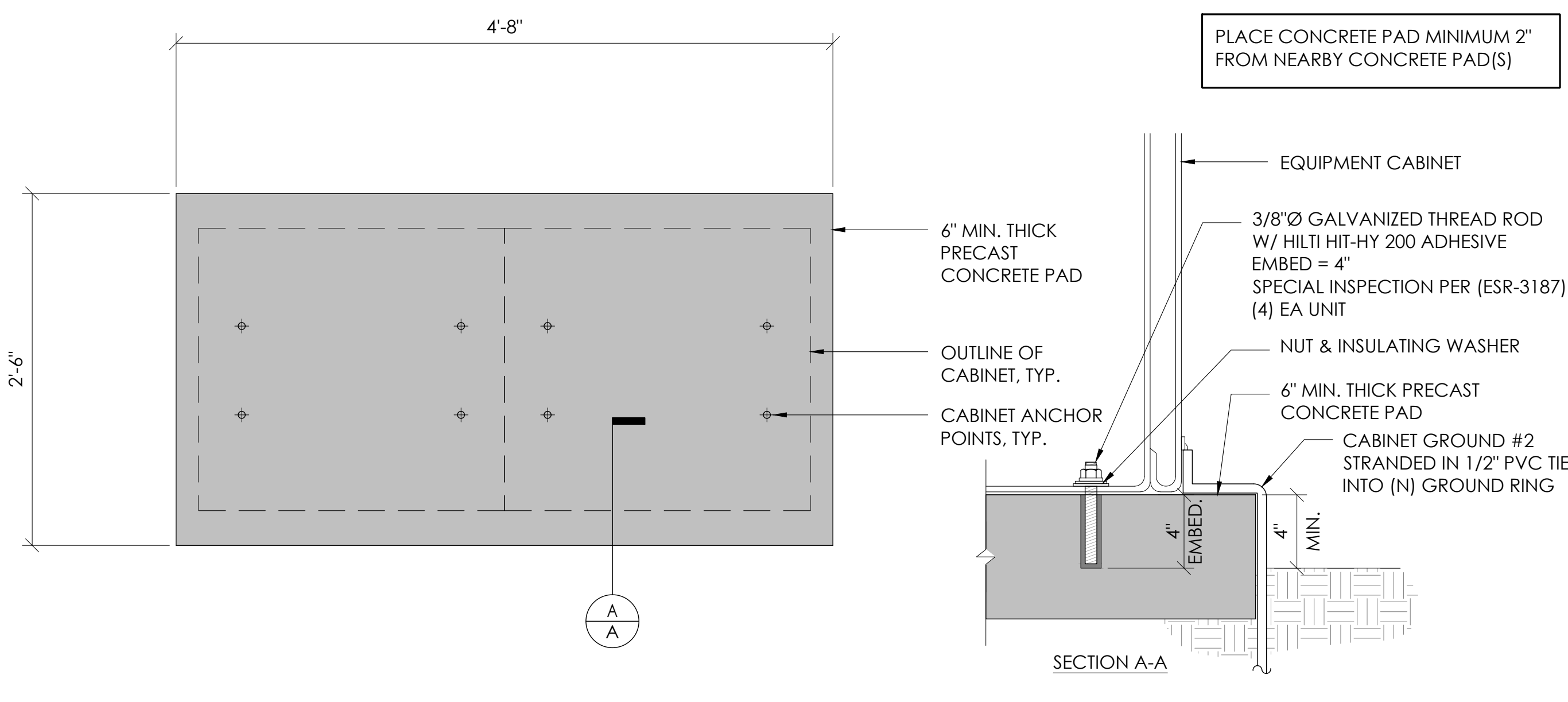
1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



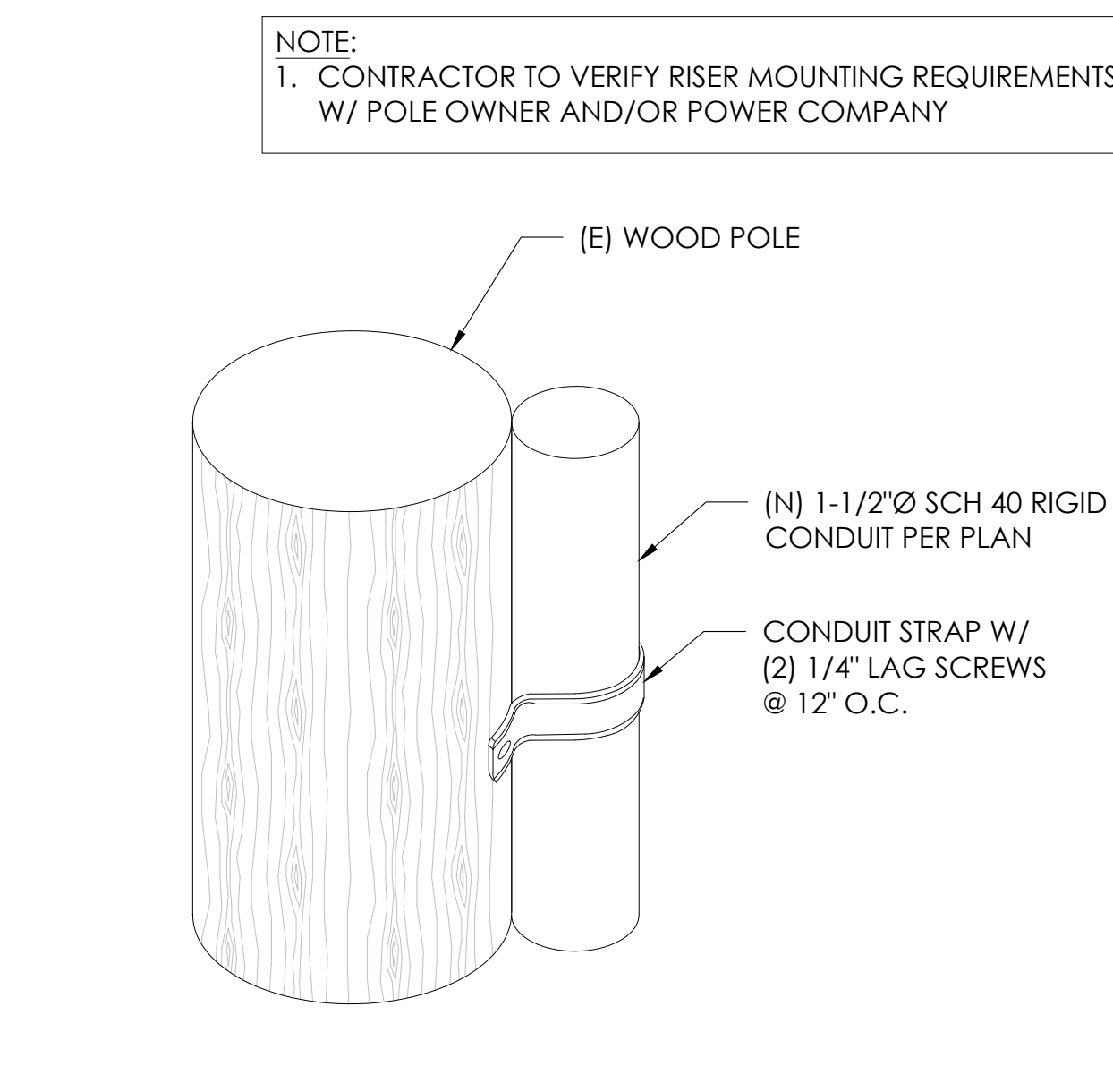
8 STUB-UP DETAIL
N.T.S.



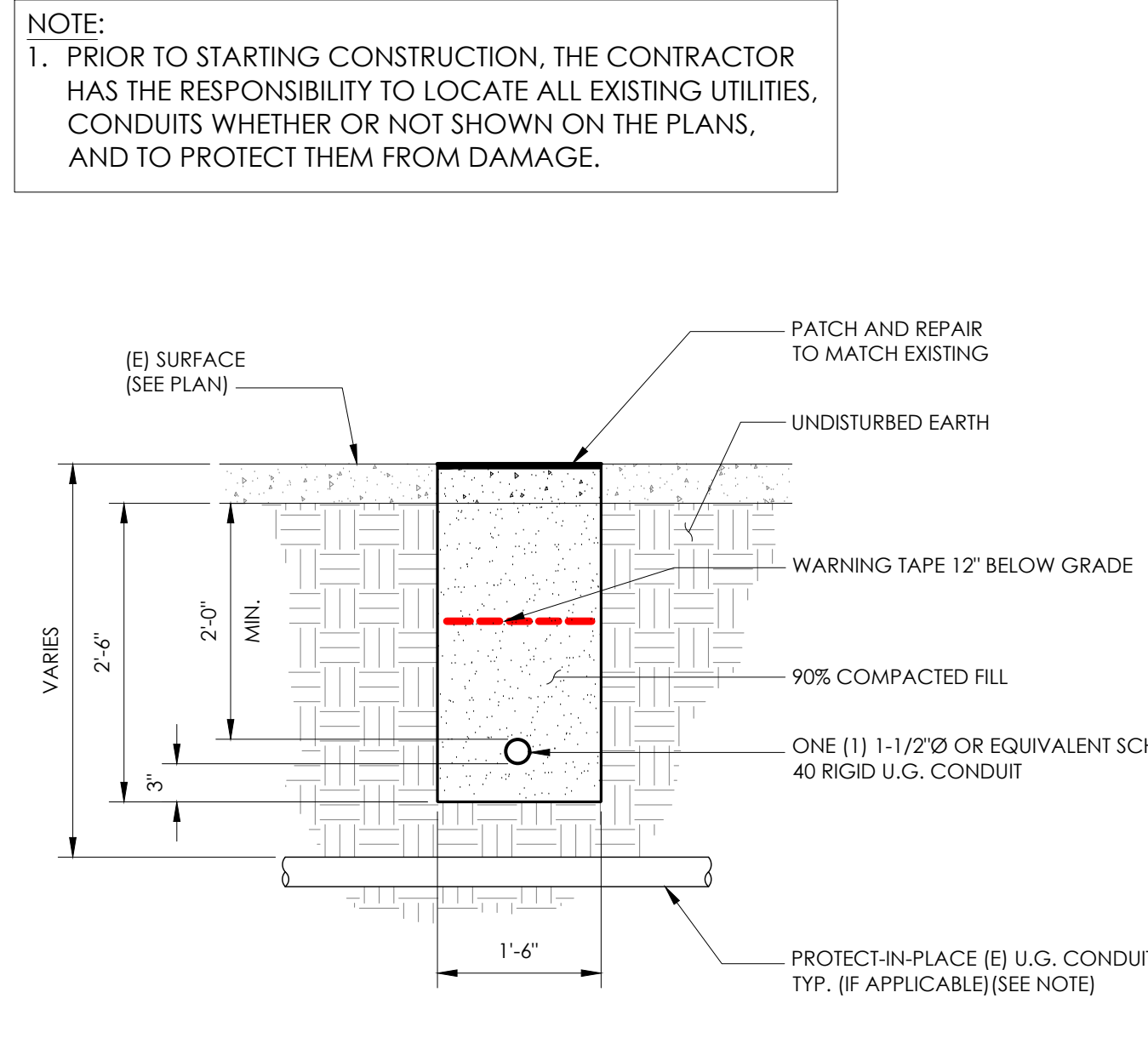
5 POWER SUPPLY DETAIL
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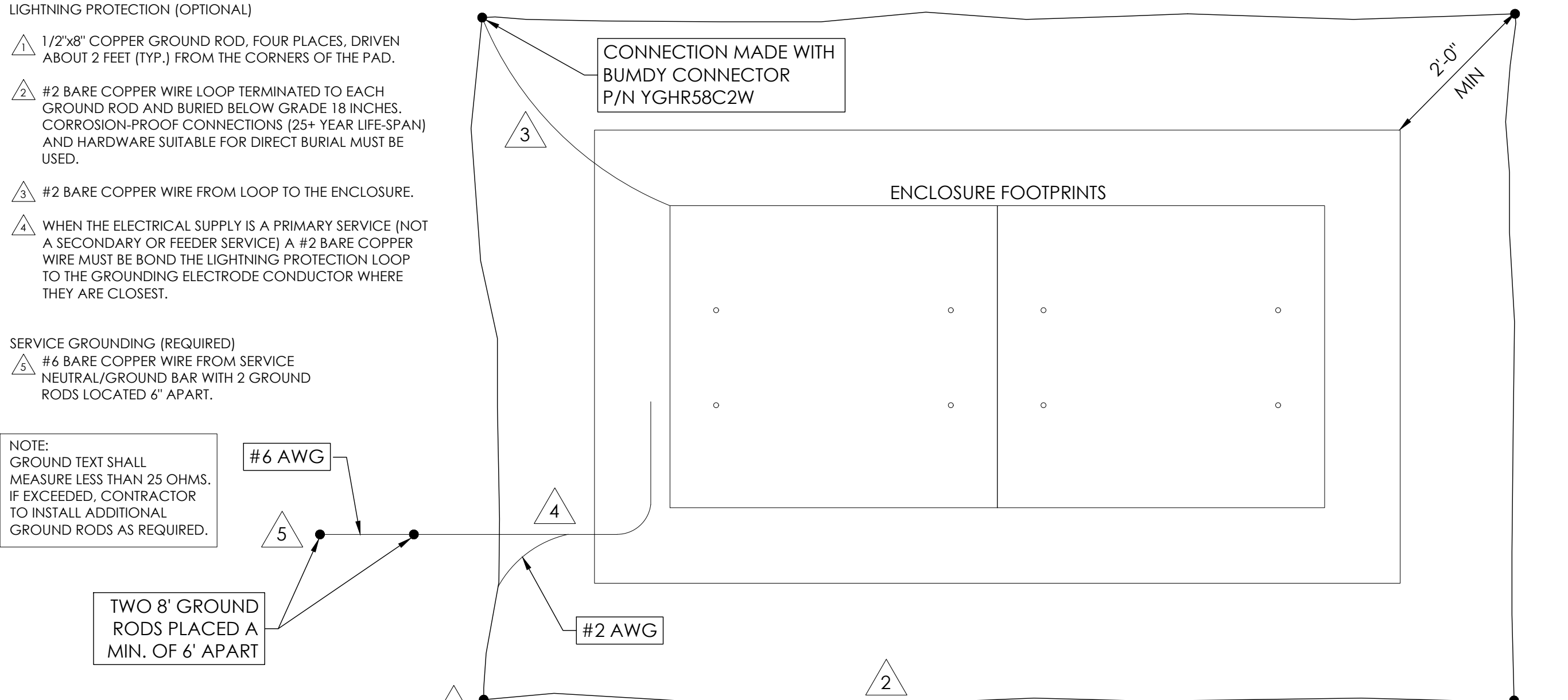
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



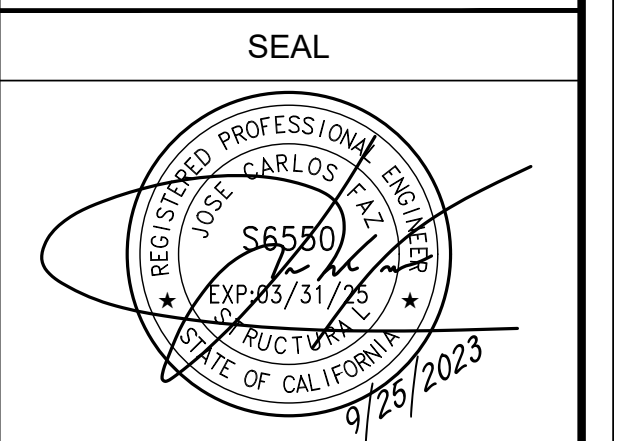
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069677

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	IK
1	12/02/22	100% CD REV PER PCC#1	LG
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3	05/26/23	100% CD REV PER PCC#2	JG
4	06/22/23	100% CD REV PER PCC#3	ES
5	09/26/23	100% CD SURVEY ADD	JDJ



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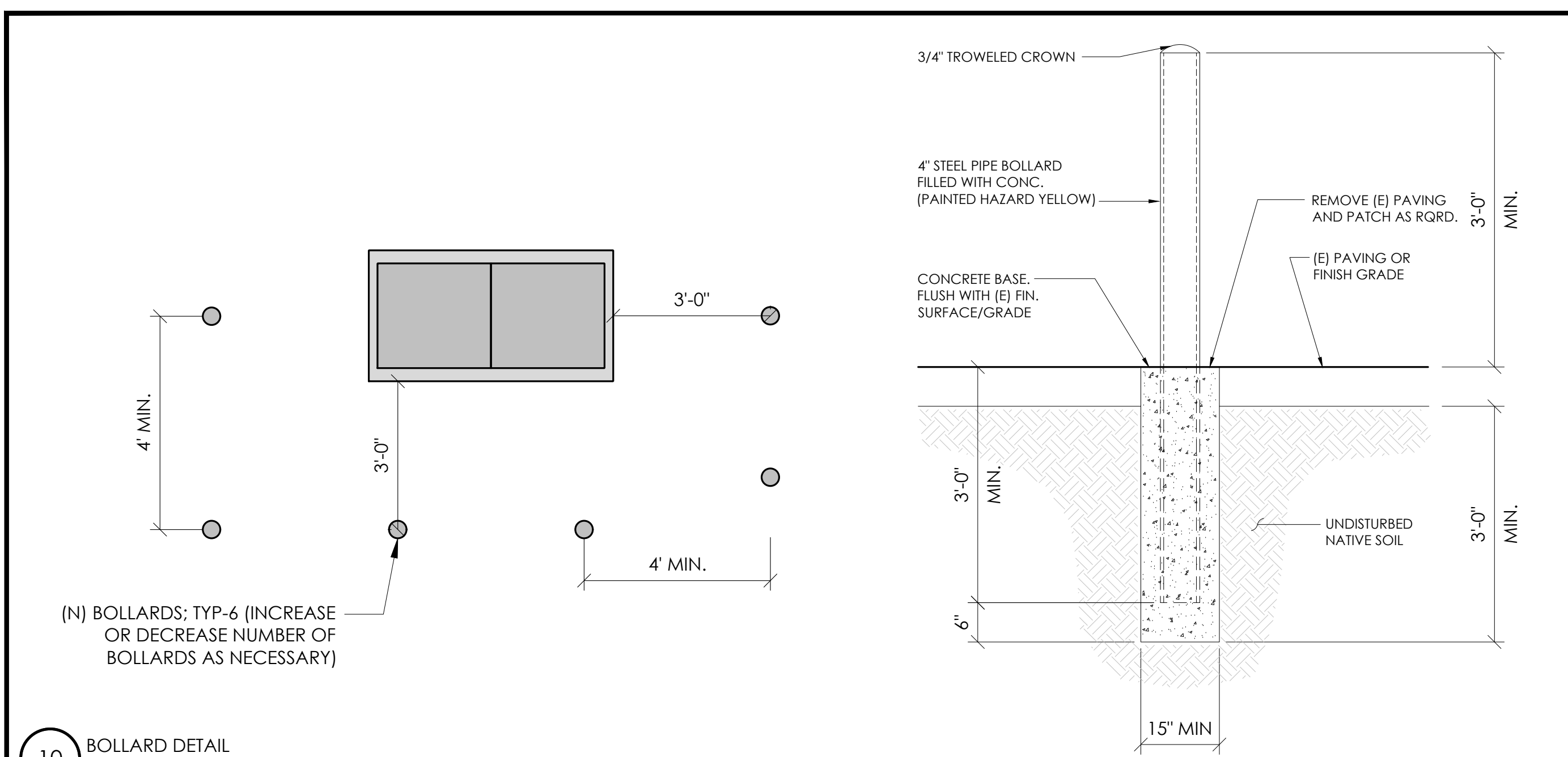
SITE INFORMATION

SITE ID:
ST117A

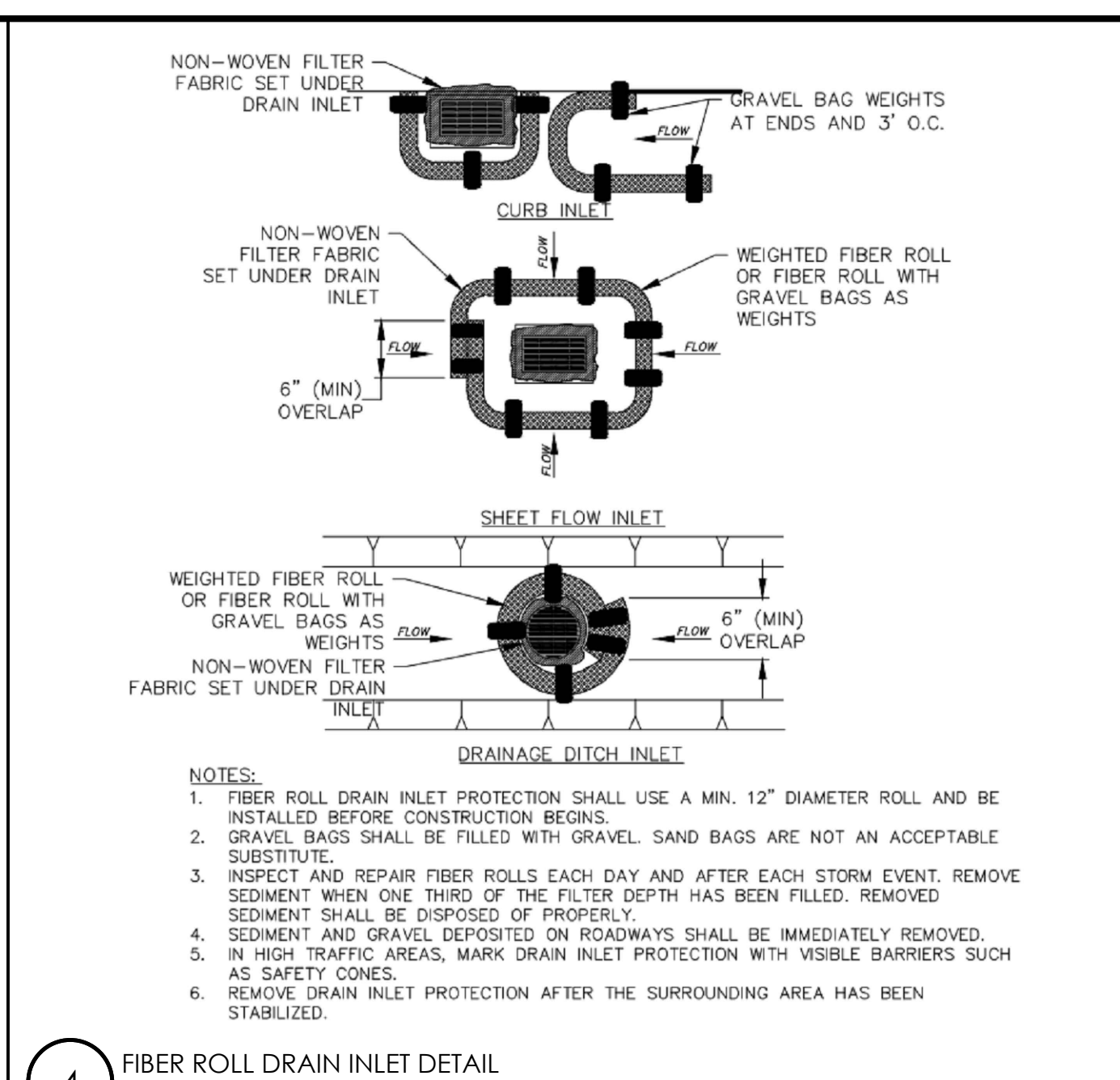
SITE ADDRESS:
1395 KELLER RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS

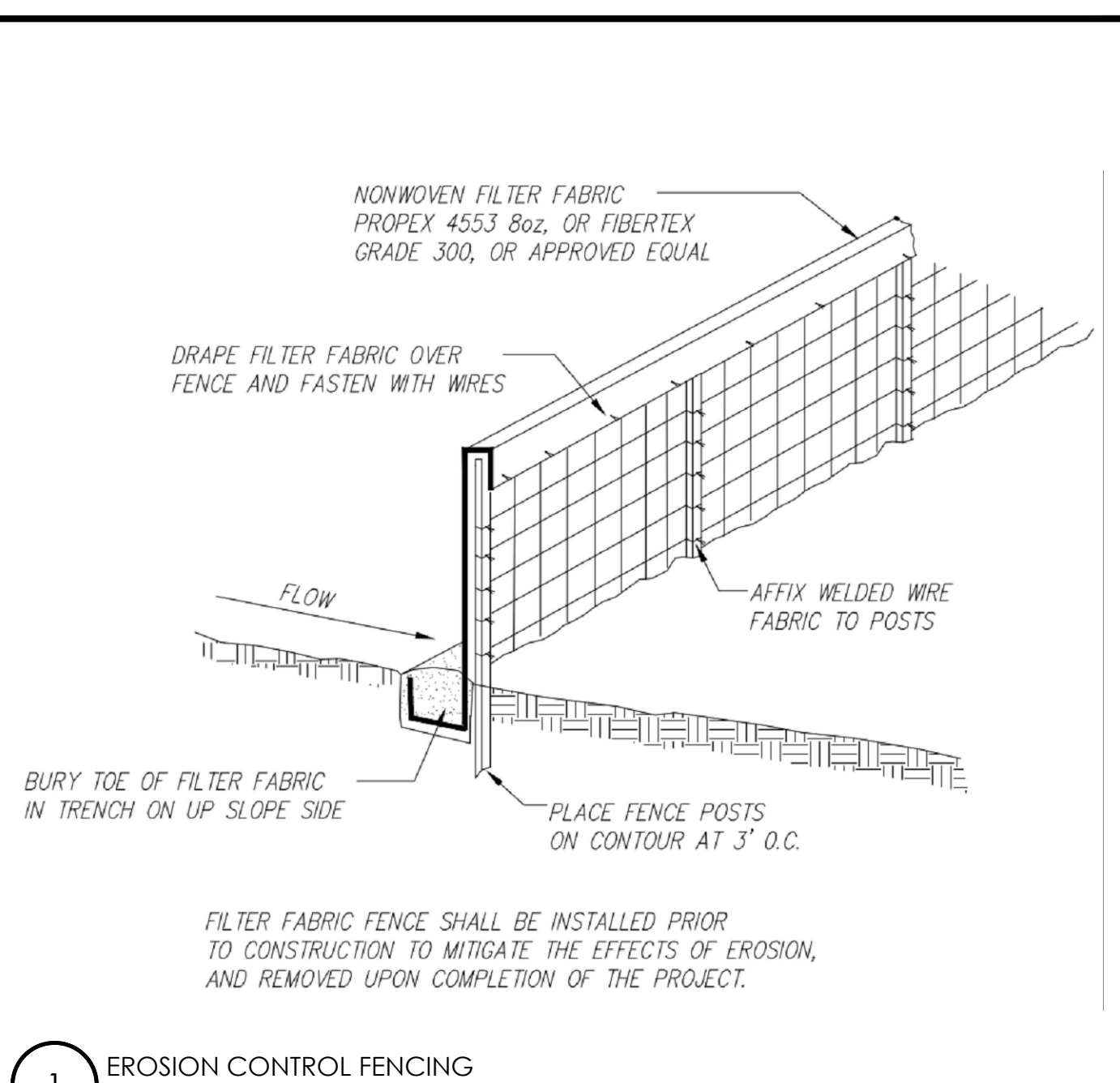
D1



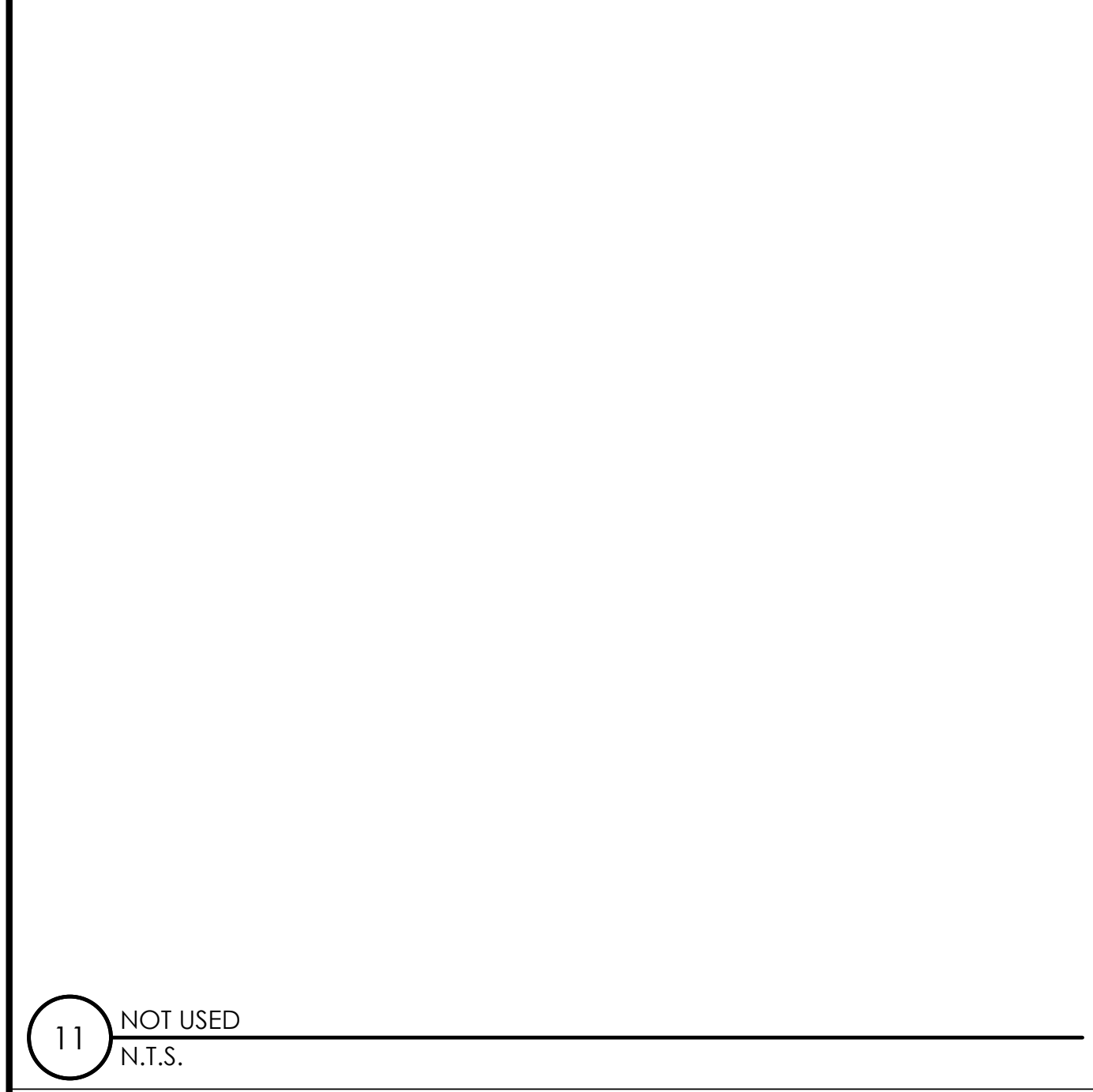
10 BOLLARD DETAIL
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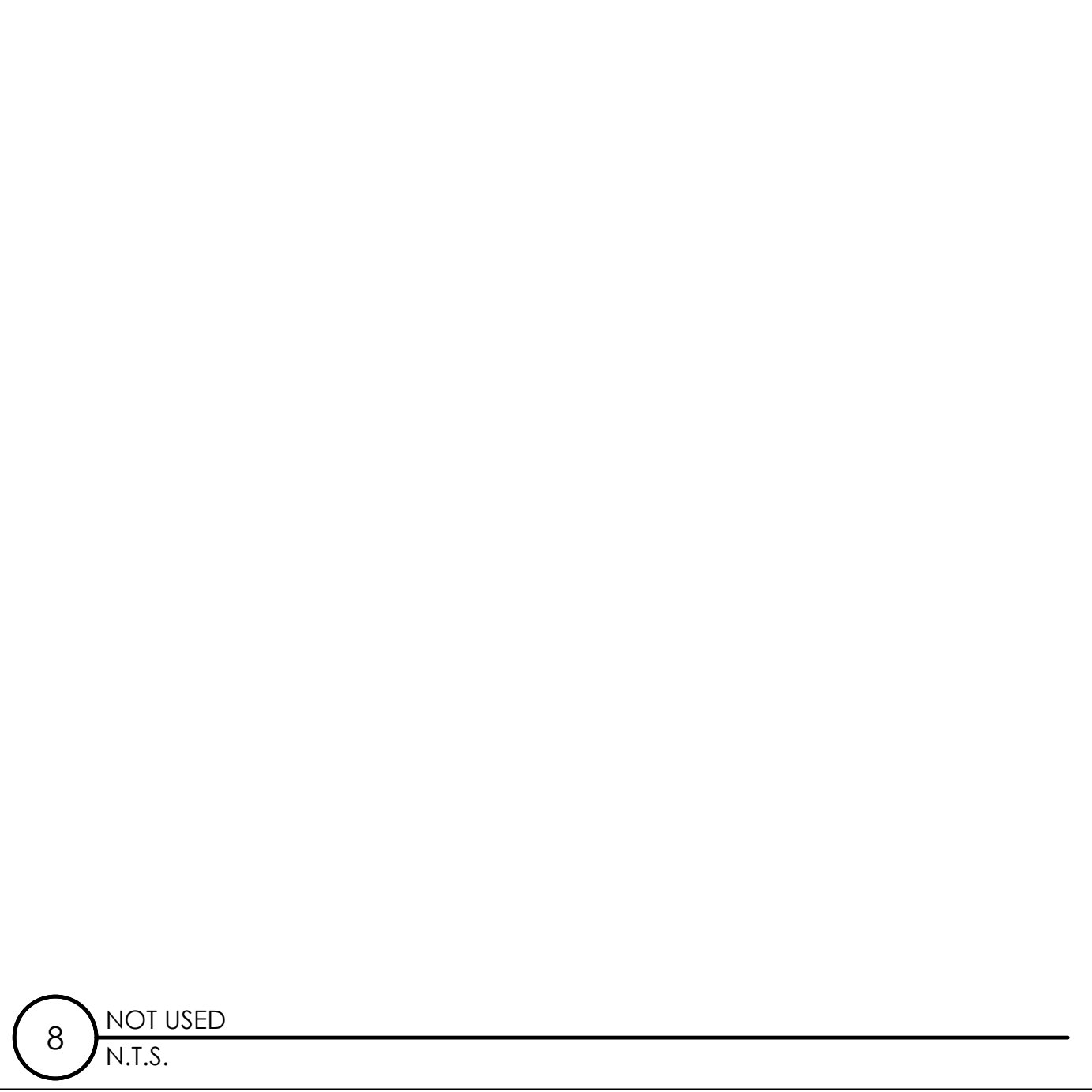
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



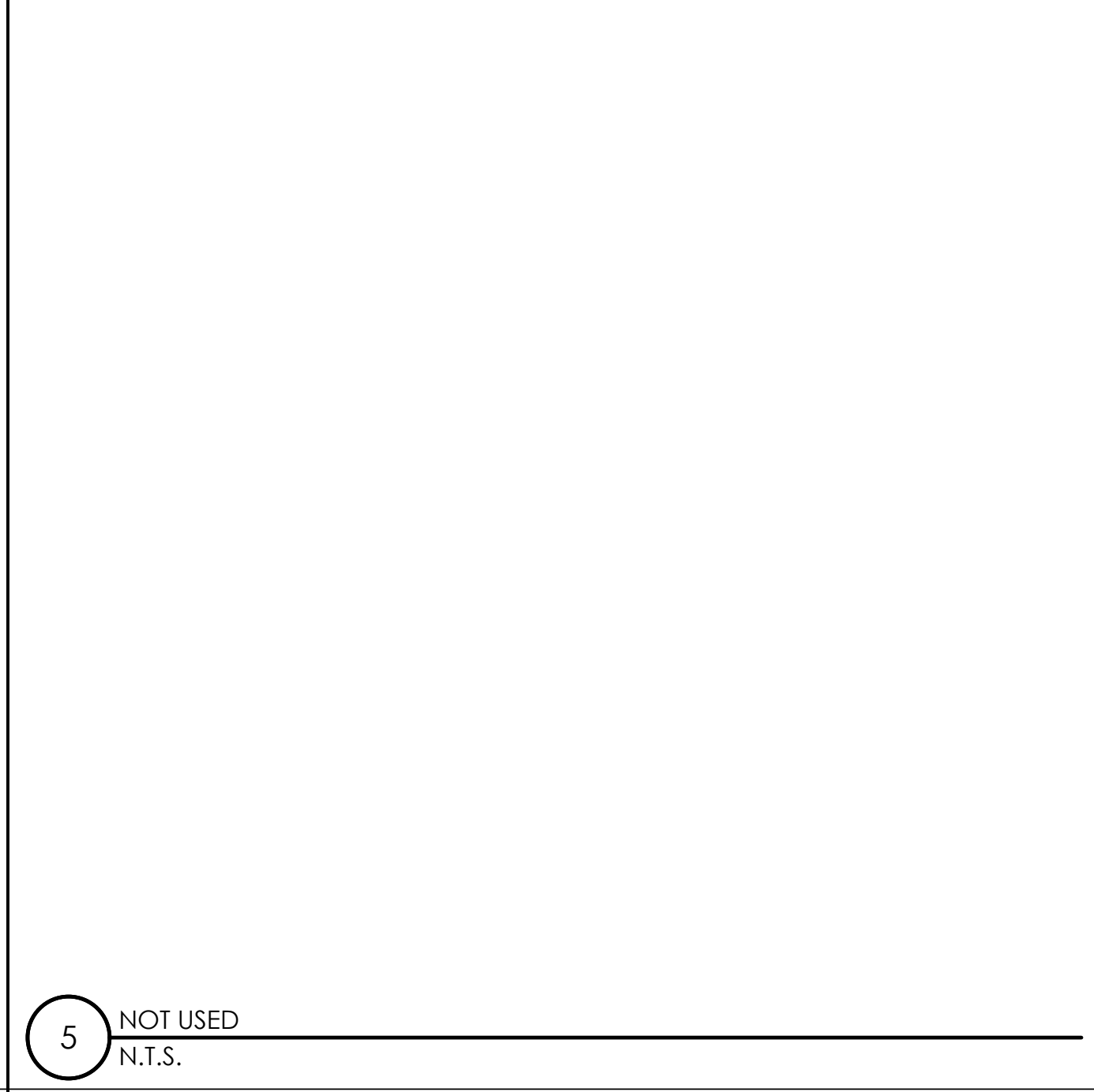
1 EROSION CONTROL FENCING
N.T.S.



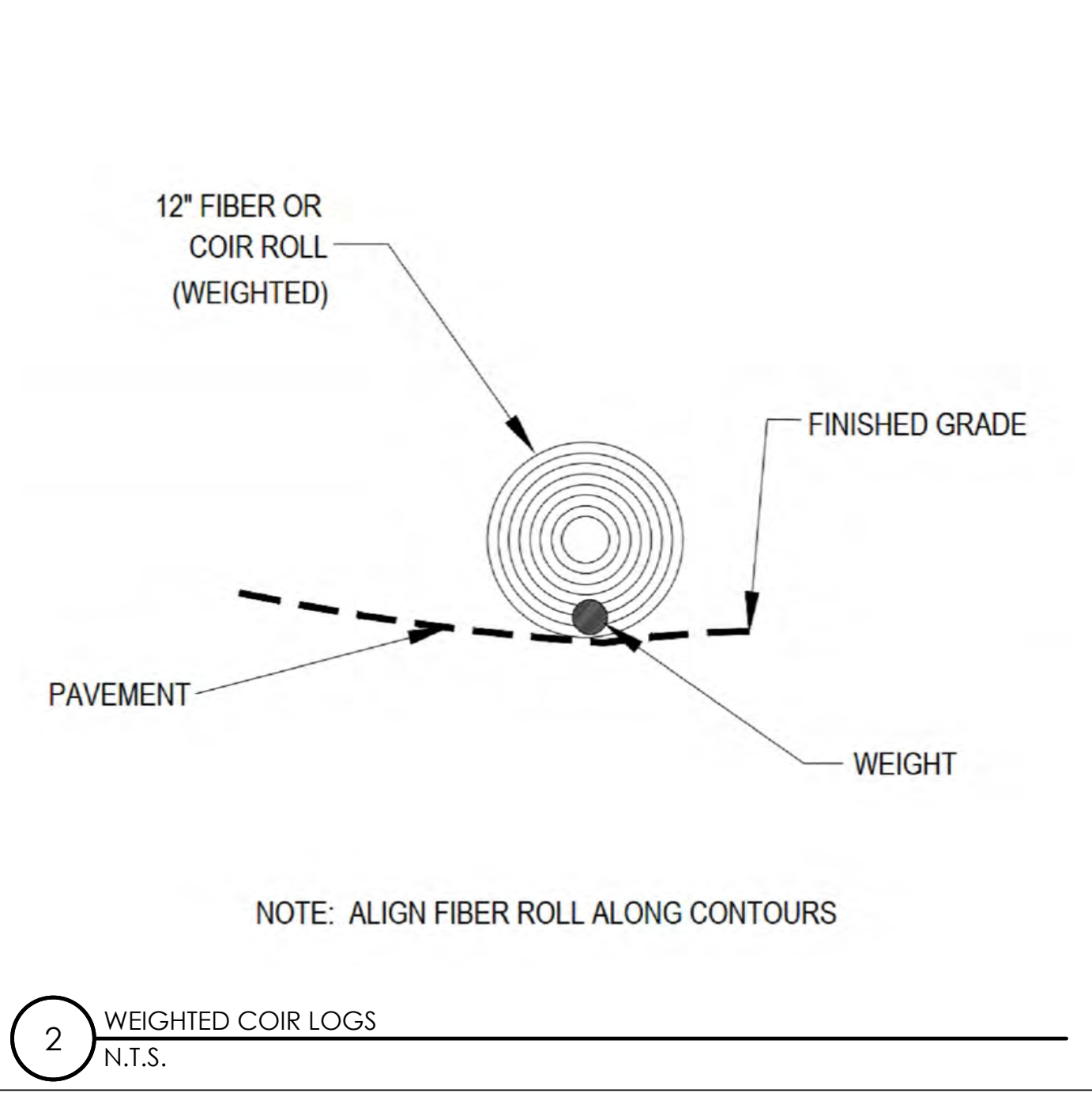
11 NOT USED
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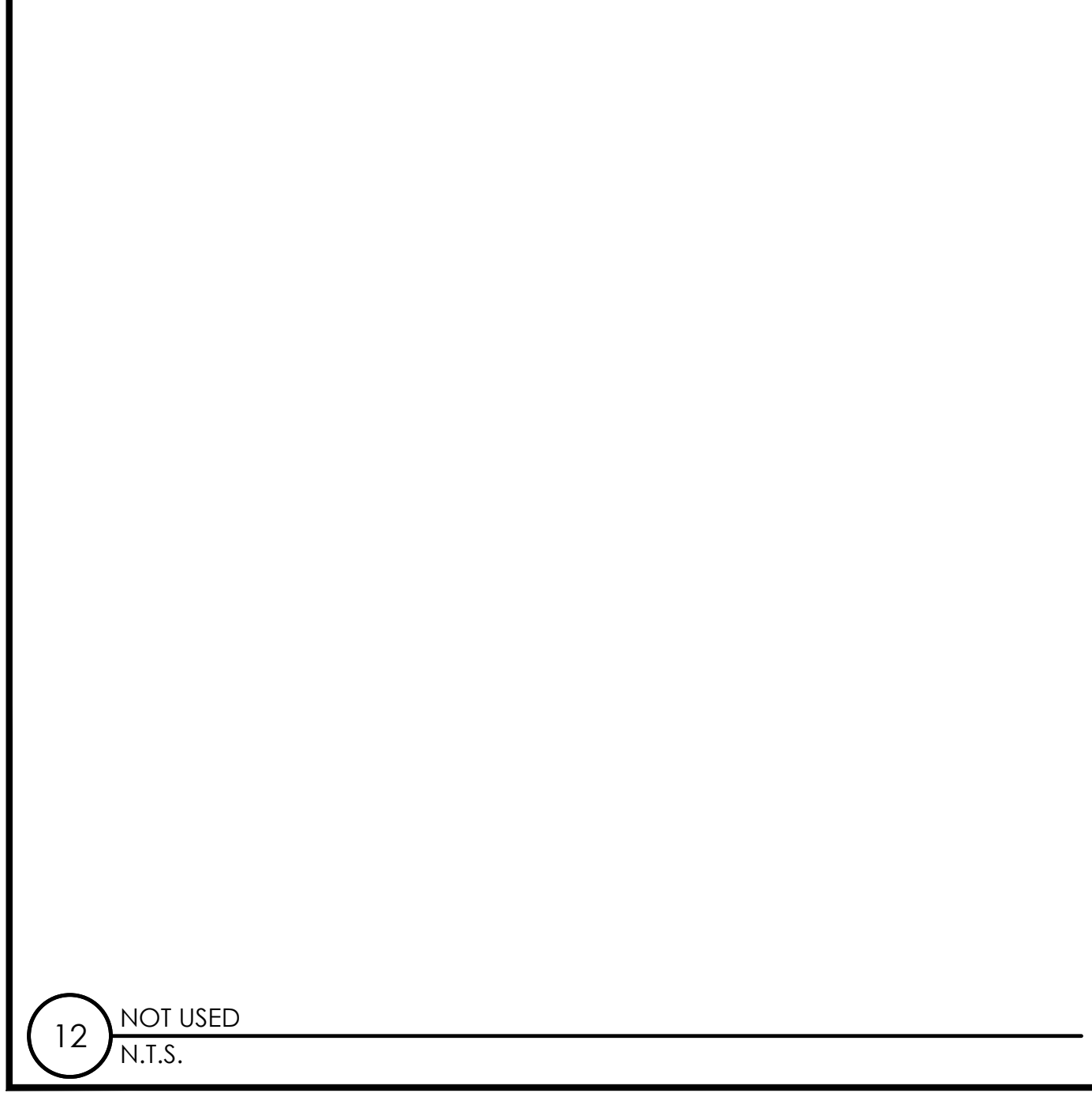
8 NOT USED
N.T.S.



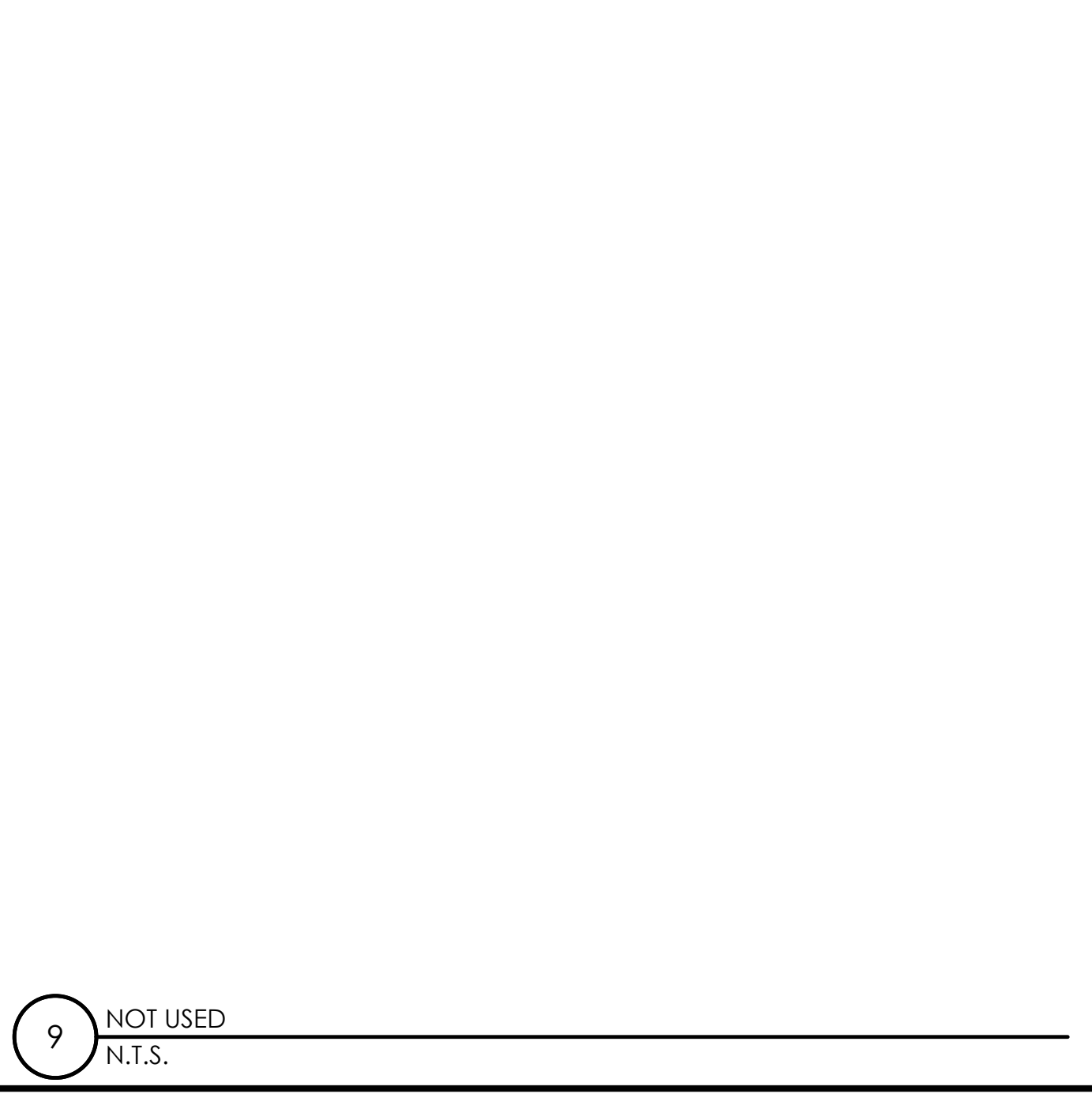
5 NOT USED
N.T.S.



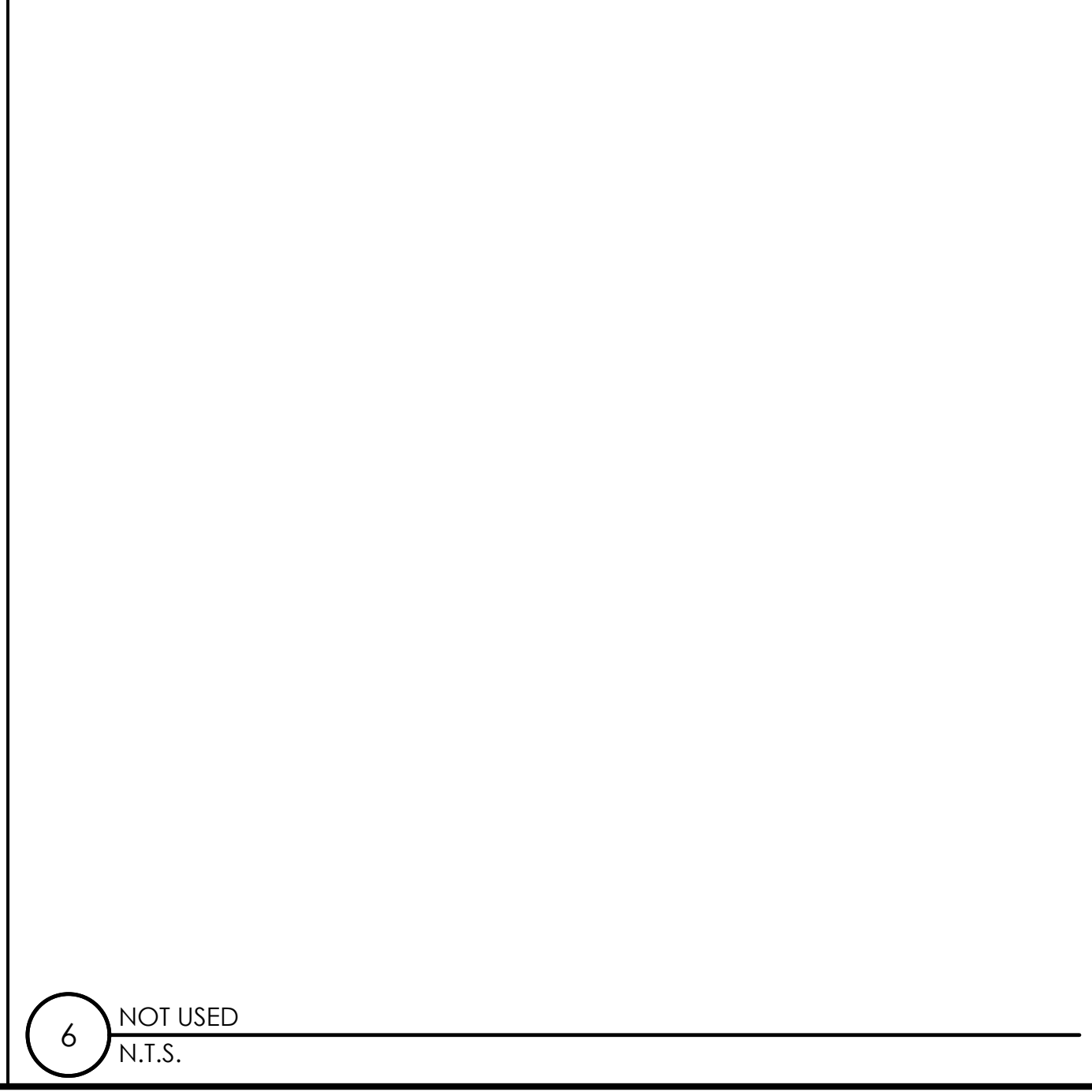
2 WEIGHTED COIR LOGS
N.T.S.



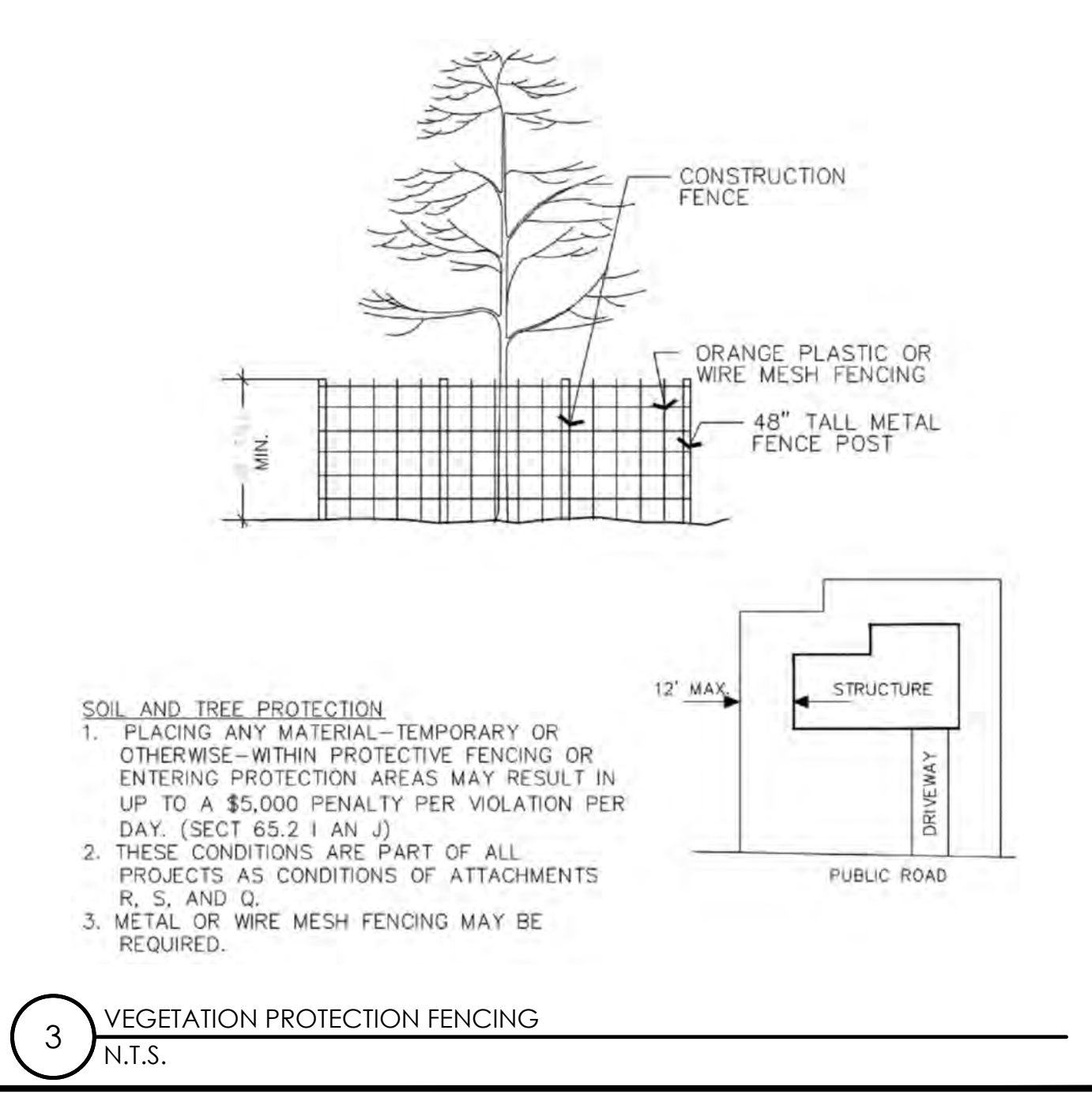
12 NOT USED
N.T.S.



9 NOT USED
N.T.S.



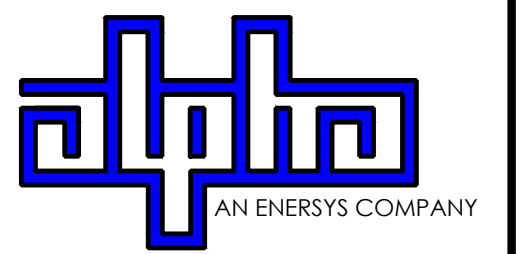
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

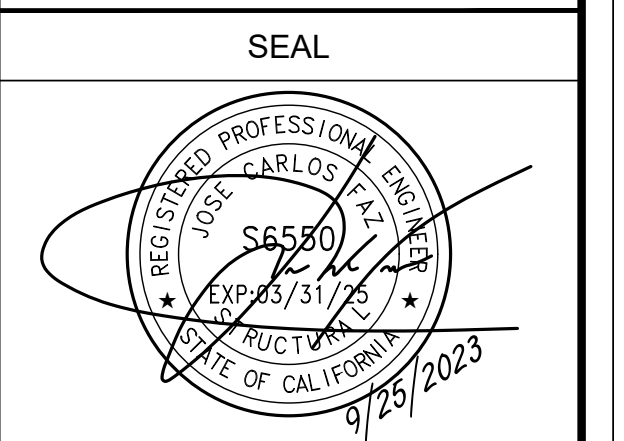
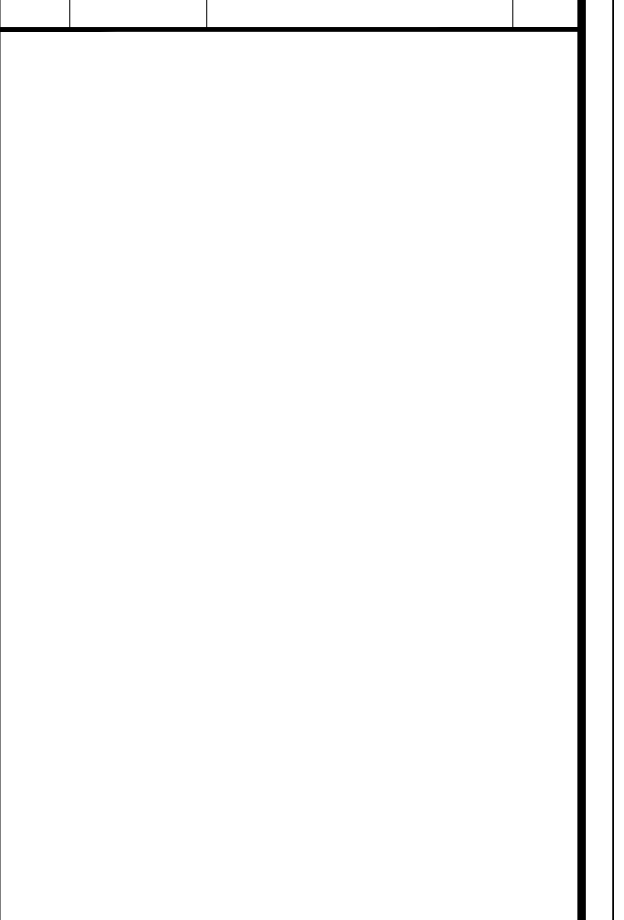


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069677

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	IK
1	12/02/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	05/26/23	100% CD REV PER PCC#2	JG
4	08/22/23	100% CD REV PER PCC#3	ES
5	09/28/23	100% CD SURVEY ADD	JDJ



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST117A_

SITE ADDRESS:
1395 KELLER RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

DETAILS

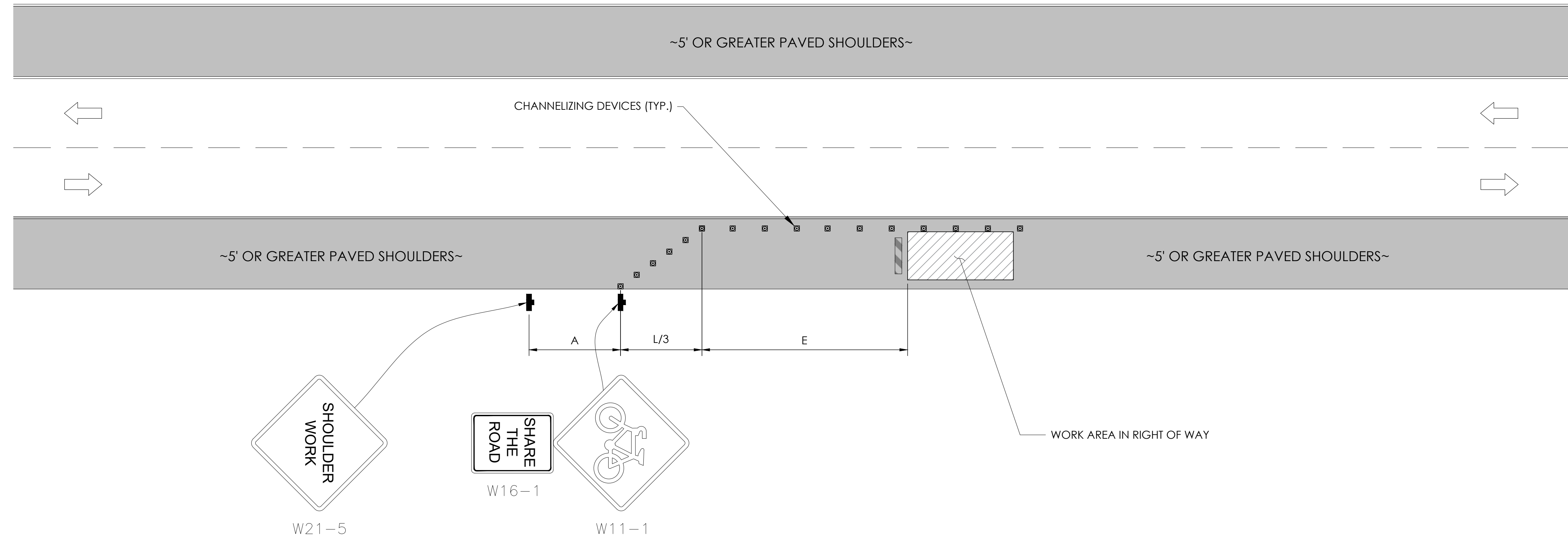
D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

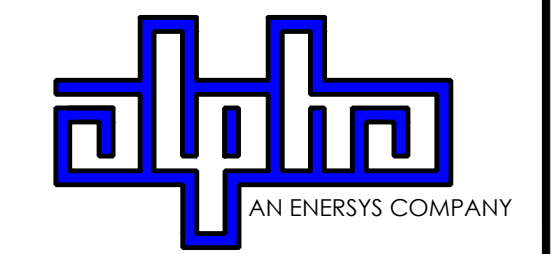
WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
 7:00AM - 3:30PM



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069677

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	IK
1	12/02/22	100% CD REV PER PCC#1	LG
2	04/28/23	100% CD REV PER PCC#2	ES
3	05/25/23	100% CD REV PER PCC#2	JG
4	06/22/23	100% CD REV PER PCC#3	ES
5	09/25/23	100% CD SURVEY ADD	JDJ

GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)

SEAL

FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST117A_

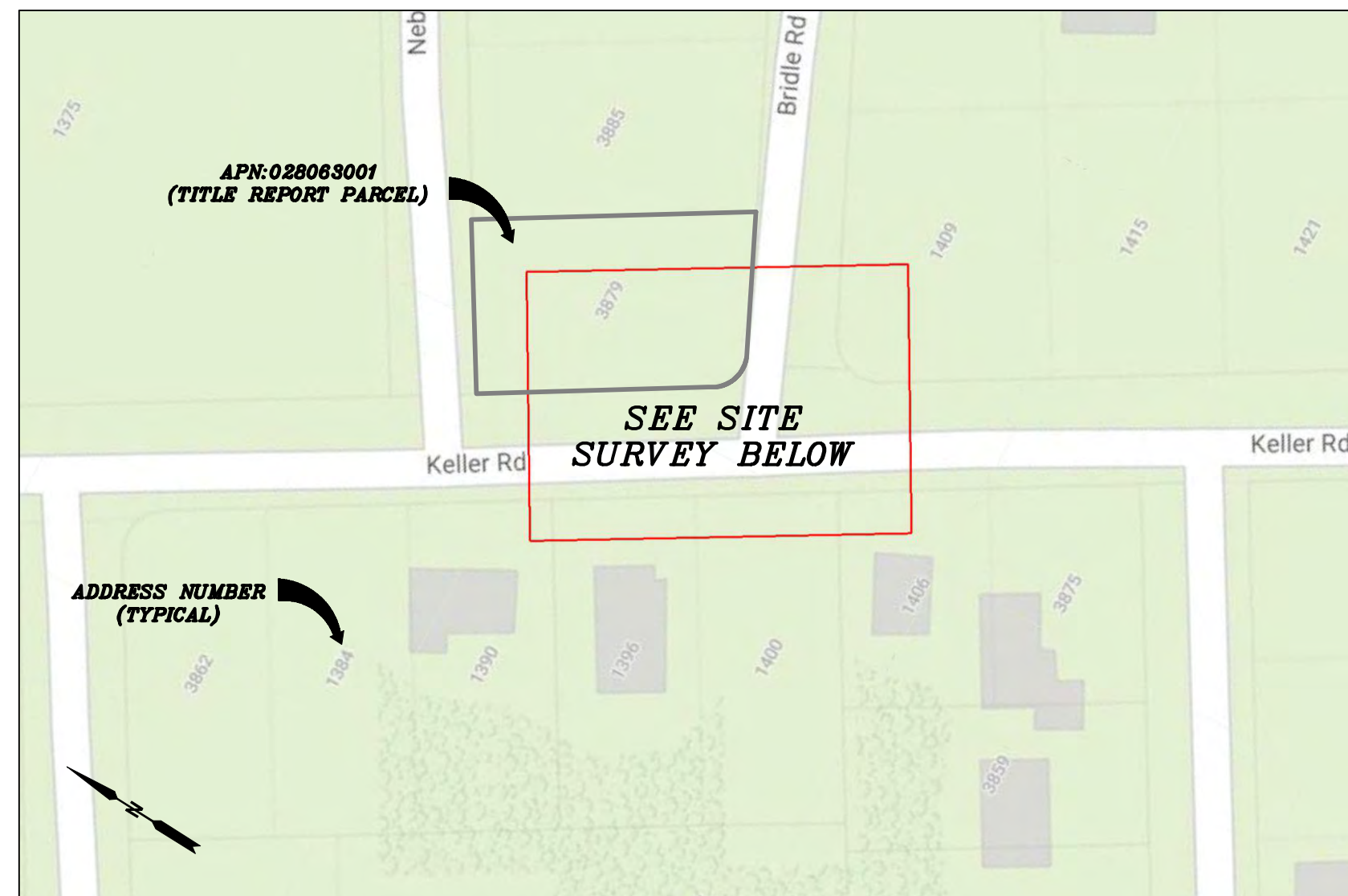
SITE ADDRESS:
1395 KELLER RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
TRAFFIC CONTROL

TC1



VICINITY MAP
N.T.S.



PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

 **Eaton Land Surveying, Inc.**
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/21/23	SUBMITTAL



PROJECT INFORMATION:
ST117A
1395 KELLER RD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/24/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

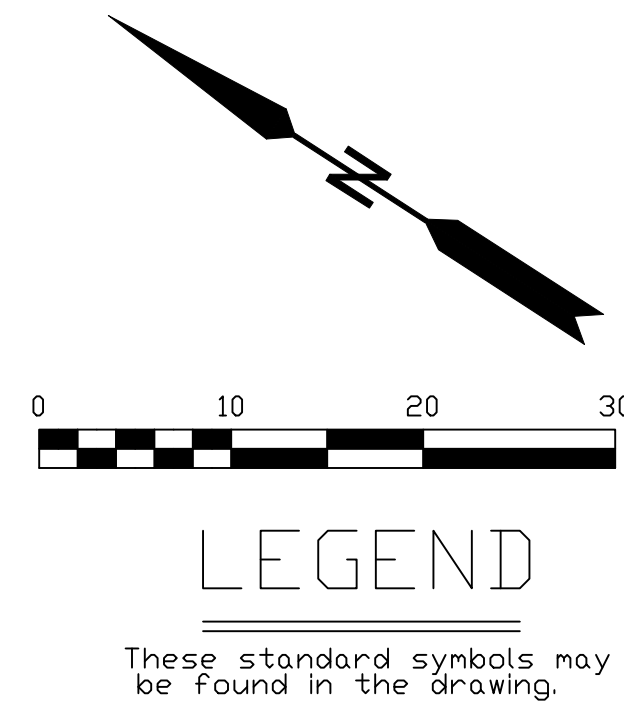
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

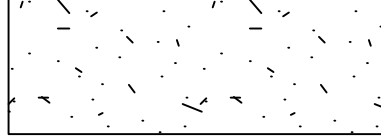

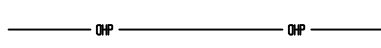
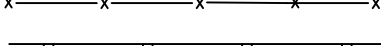
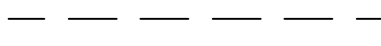
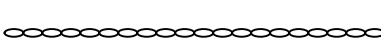
























FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

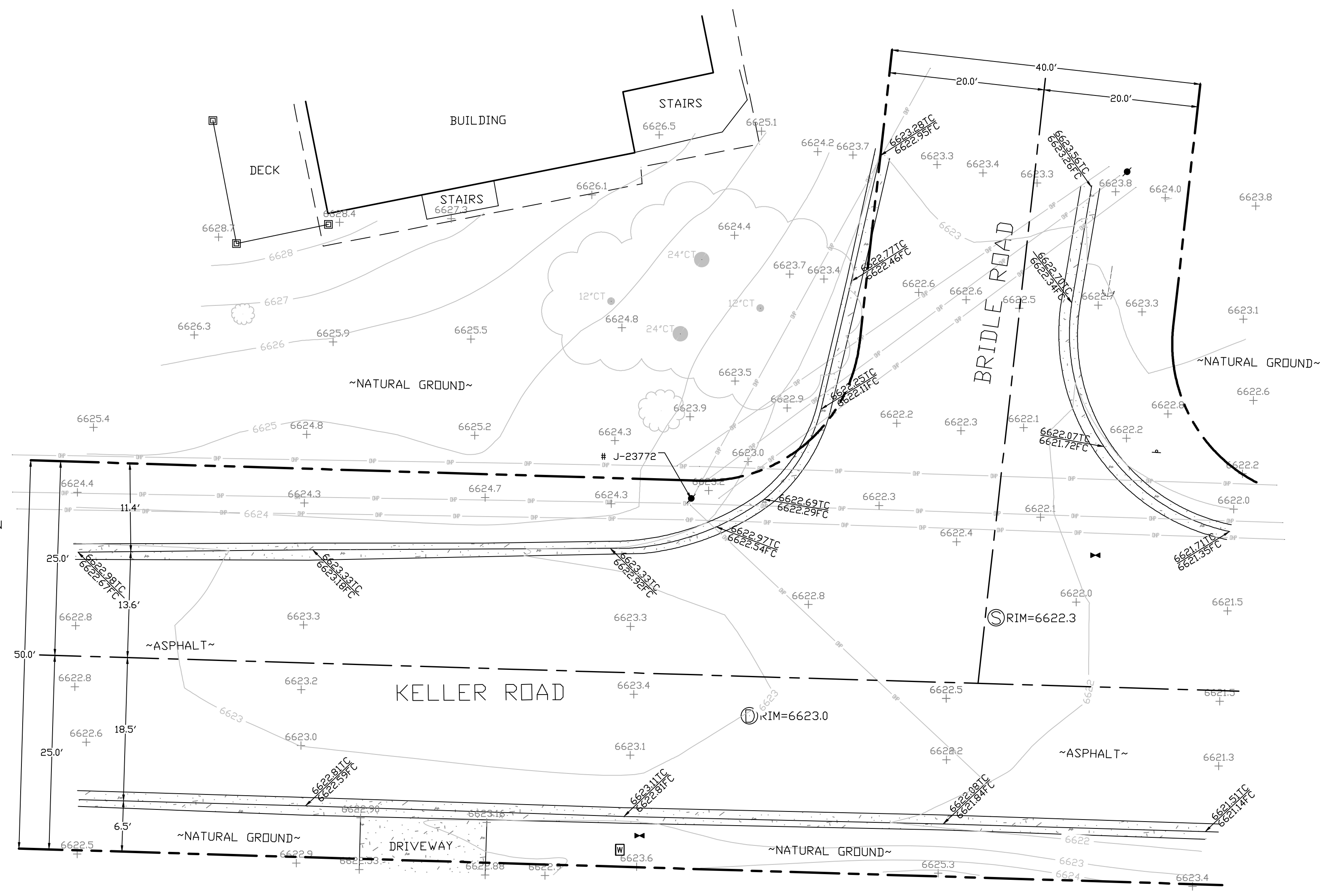
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 72 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 028-063-001-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032319 DATED 08/31/2023;



- LEGEND**
These standard symbols may be found in the drawing.
-  CONCRETE
 -  PROPERTY LINE
 -  CENTER LINE
 -  OVERHEAD LINE
 -  FENCE HEADER
 -  ROOF WALL
 -  ROCK WALL
 -  PULLBOX ELECTRIC
 -  PULLBOX TELEPHONE
 -  PULLBOX COMMUNICATION
 -  WATER METER
 -  WATER VALVE
 -  POWER POLE
 -  ELEVATION GRADE
 -  GUY WIRE
 -  MAILBOX
 -  SIGN
 -  MANHOLE TELEPHONE
 -  MANHOLE SEWER
 -  RECTANGLE INLET
 -  FIRE HYDRANT
 -  SHRUB
 -  TRUNK
 -  CT DECIDUOUS TREE
 -  DT DECIDUOUS TREE
 -  TC TOP OF CURB
 -  FC FACE OF CURB
 -  TF TOP OF FENCE
 -  TW TOP OF WALL
 -  CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'



EXISTING SITE PHOTO



2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

LOCATION MAP



SITE ID: ST120D_A

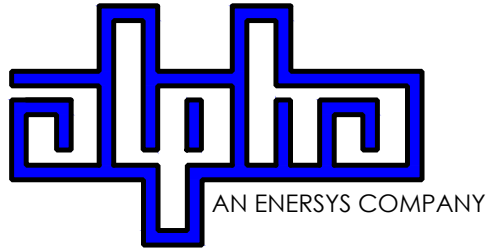
**SITE ADDRESS:
1408 HERBERT AVE,
SOUTH LAKE TAHOE, CA 96150**

SITE INFORMATION

SITE ADDRESS:	1408 HERBERT AVE SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.93457913, -119.95621028
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	6
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	0.5 C.Y.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

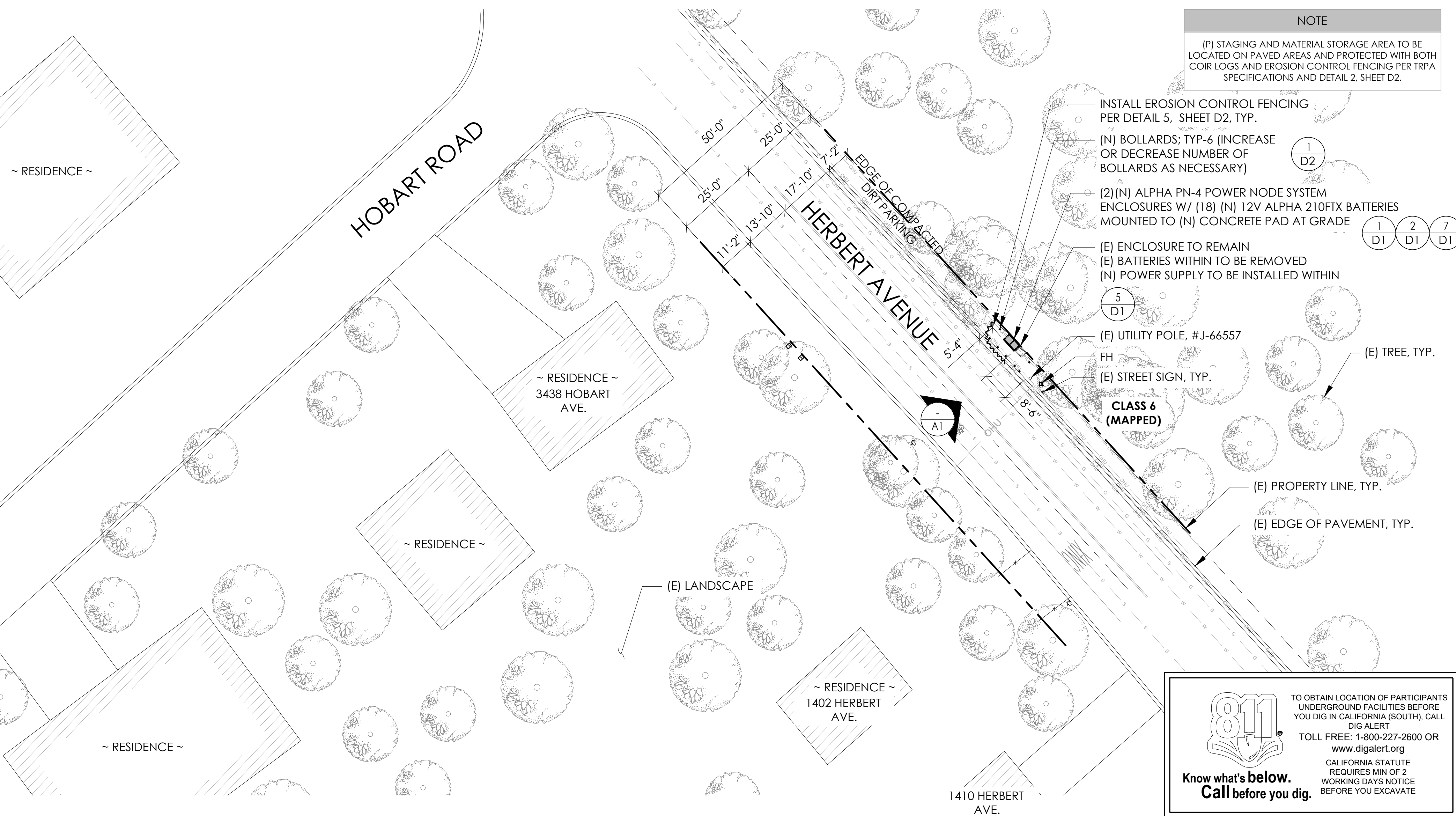


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058522

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	07/30/21	90% CD	KV
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	05/02/23	100% CD REV PER PCC#2	ES
4	05/22/23	100% CD REV PER PCC#2	RD
5	06/13/23	100% CD REV PER PCC#2	RD
6	09/28/23	100% CD REVISION	JG



DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

CODE COMPLIANCE

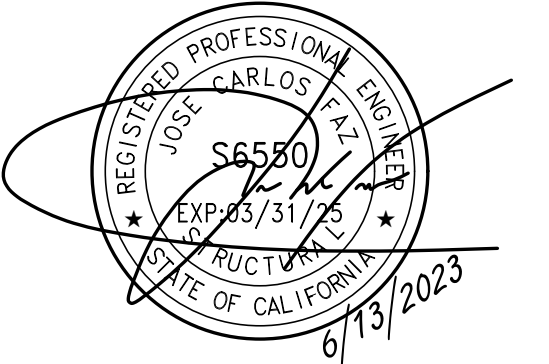
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANSII/A-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

**SITE ID:
ST120D_A**

**SITE ADDRESS:
1408 HERBERT AVE,
SOUTH LAKE TAHOE, CA
96150**

SHEET TITLE:

TITLE SHEET

T1

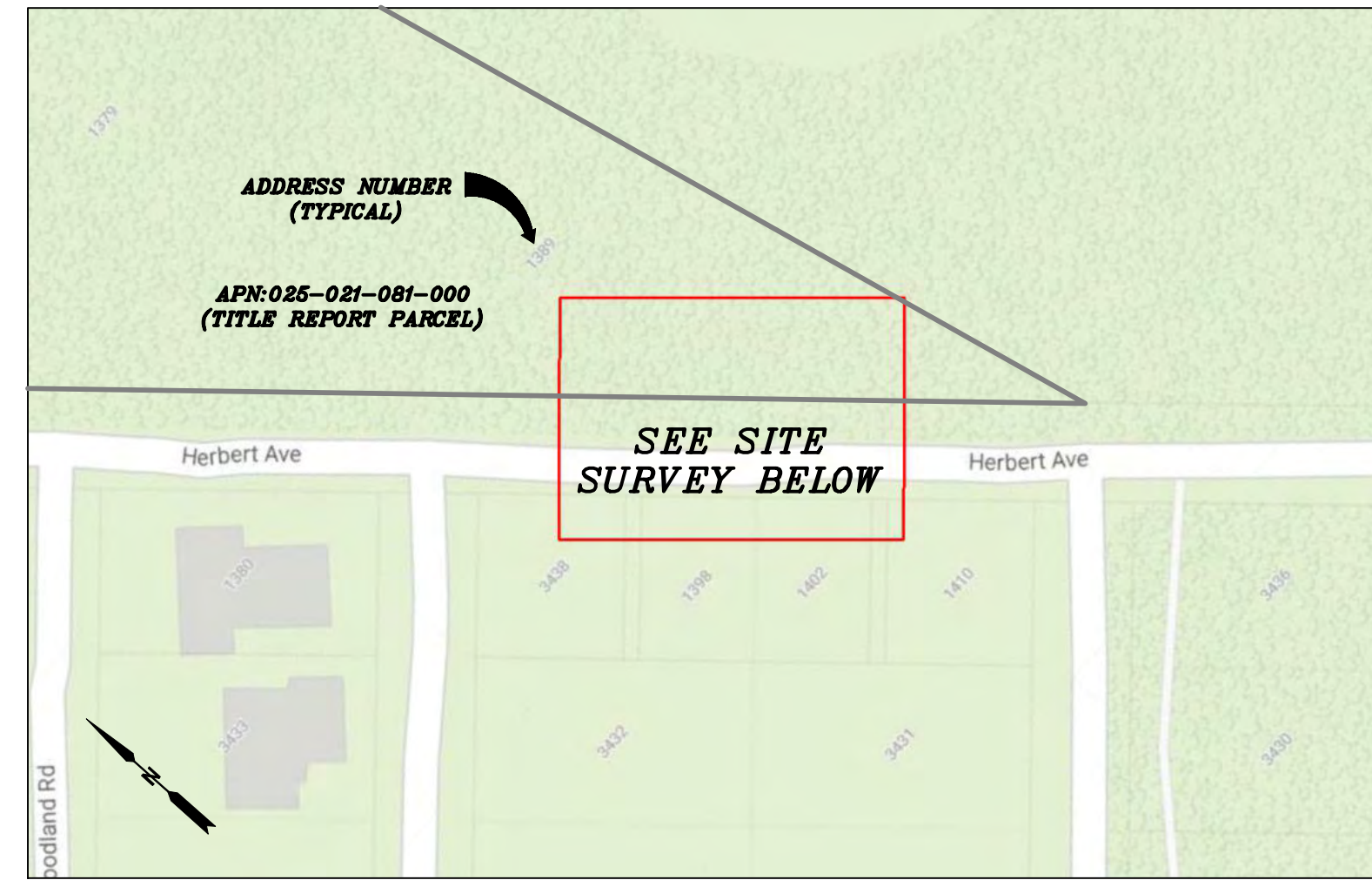
SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"
20' 10' 0' 20'





VICINITY MAP
N.T.S.



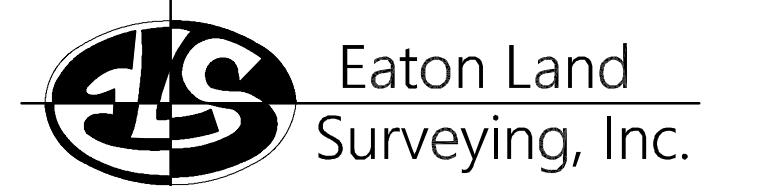
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST120D_A
1408 HERBERT AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/26/23

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

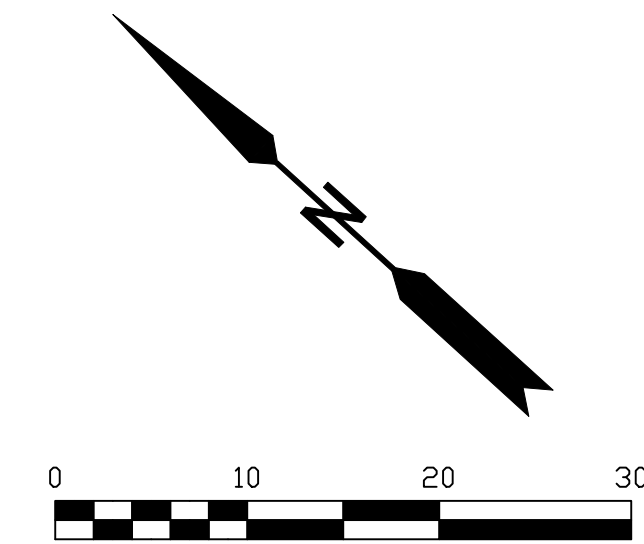
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK 4 PAGE(S) 81 AND BOOK 1 PAGE(S) 96 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

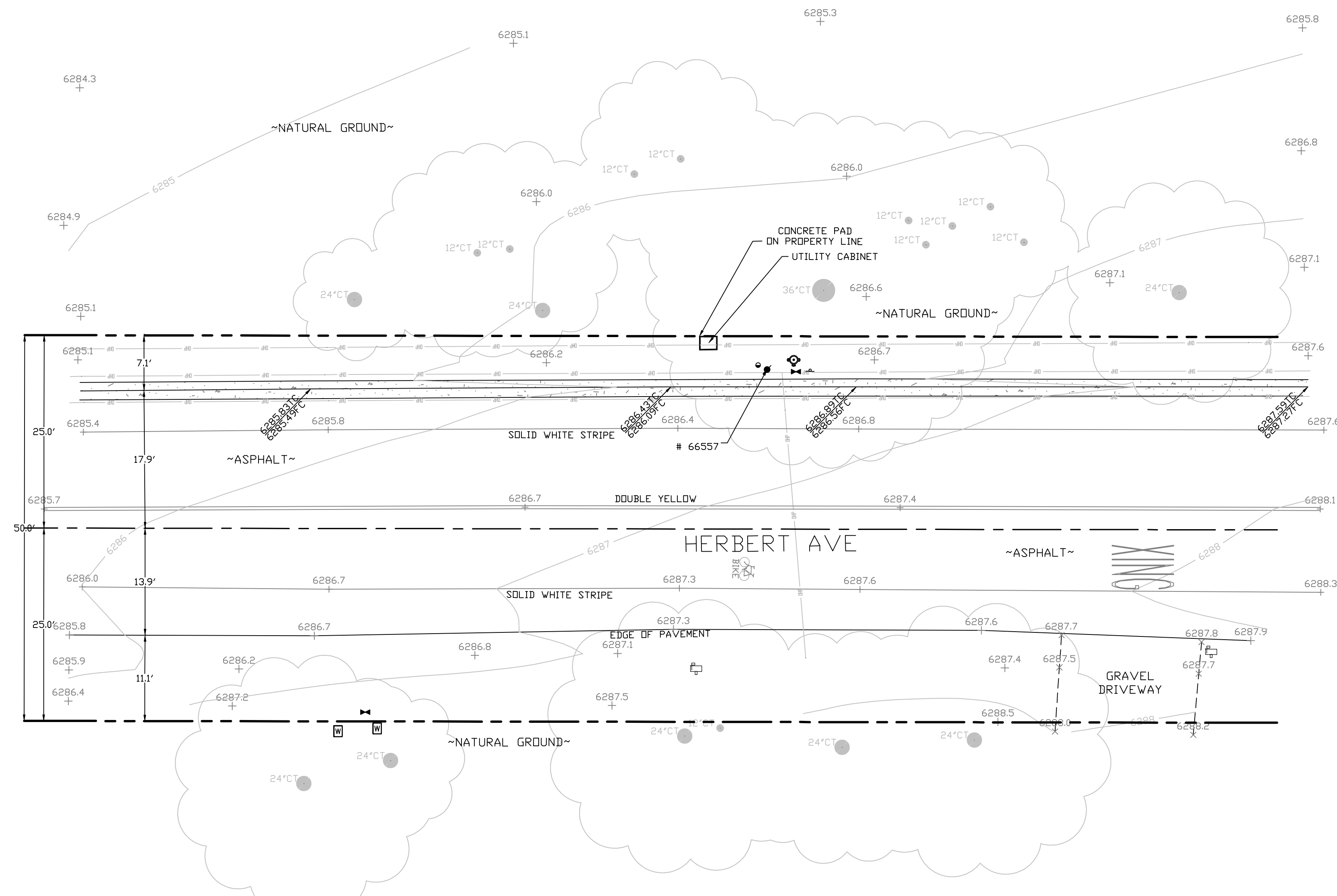
TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 025-021-081-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032335 DATED 08/31/2023;



LEGEND

These standard symbols may be found in the drawing.

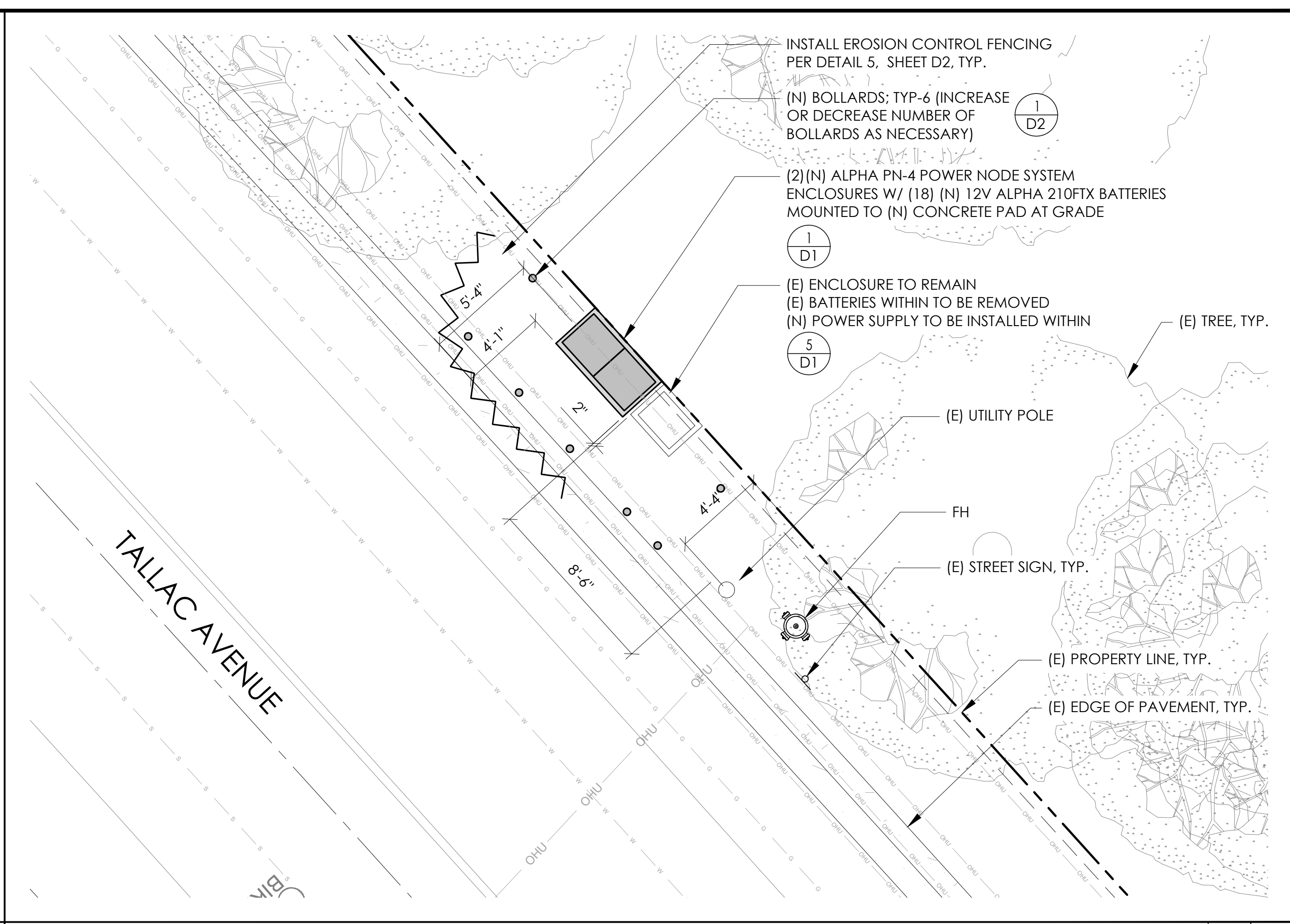
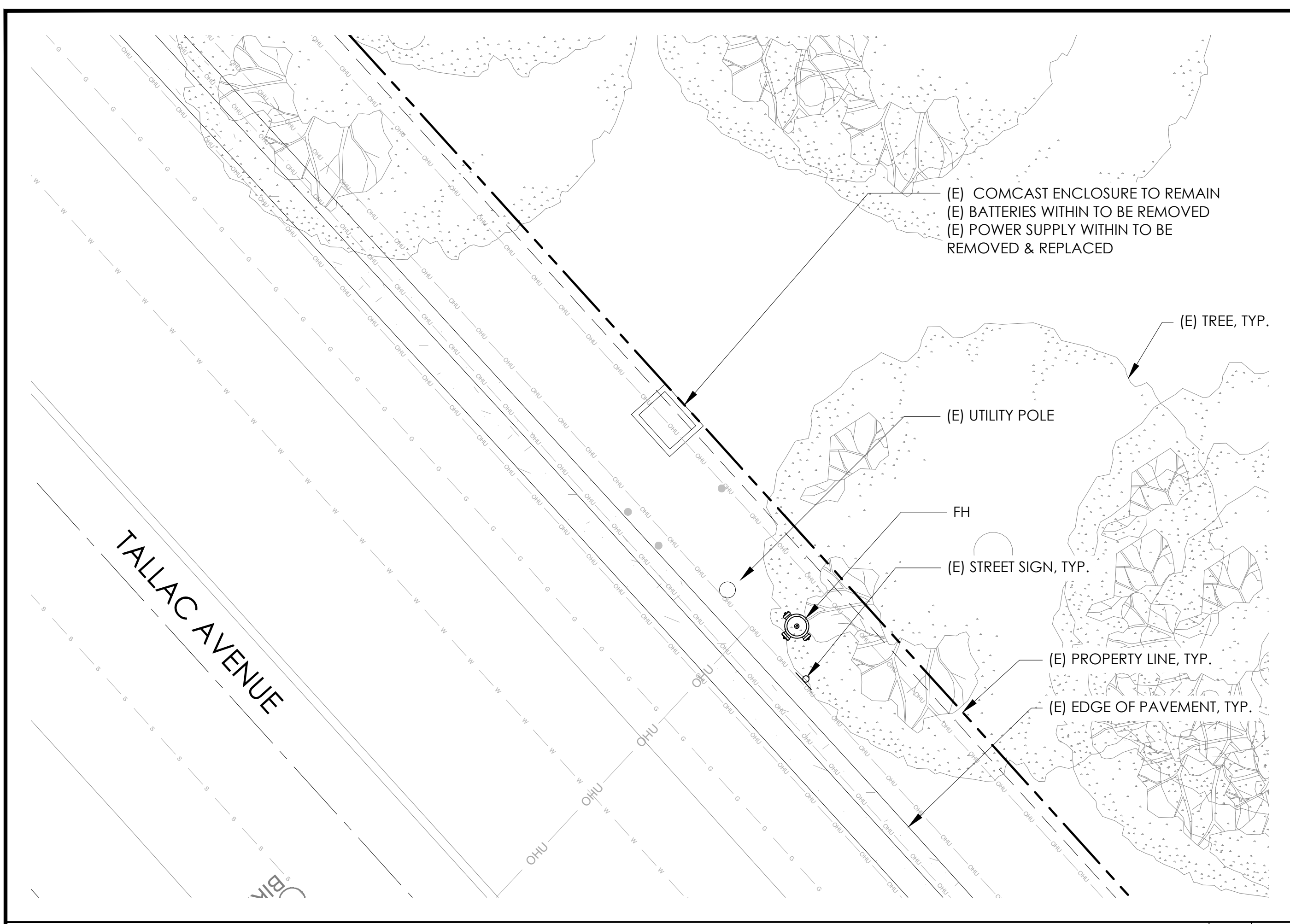
- CONCRETE
- PROPERTY LINE
- CENTER LINE
- OVERHEAD LINE
- FENCE
- HEADER
- ROOF
- WALL
- ROCK WALL
- PULLBOX ELECTRIC
- PULLBOX TELEPHONE
- PULLBOX COMMUNICATION
- WATER METER
- WATER VALVE
- POWER POLE
- GROUND ROD
- ELEVATION GRADE
- GUY WIRE
- MAILBOX (MOVABLE)
- SIGN
- MANHOLE TELEPHONE
- MANHOLE SEWER
- RECTANGLE INLET
- FIRE HYDRANT
- SHRUB
- TRUNK
- CT CONIFEROUS TREE
- DT DECIDUOUS TREE
- TC TOP OF CURB
- FC FACE OF CURB
- TF TOP OF FENCE
- TW TOP OF WALL
- CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'

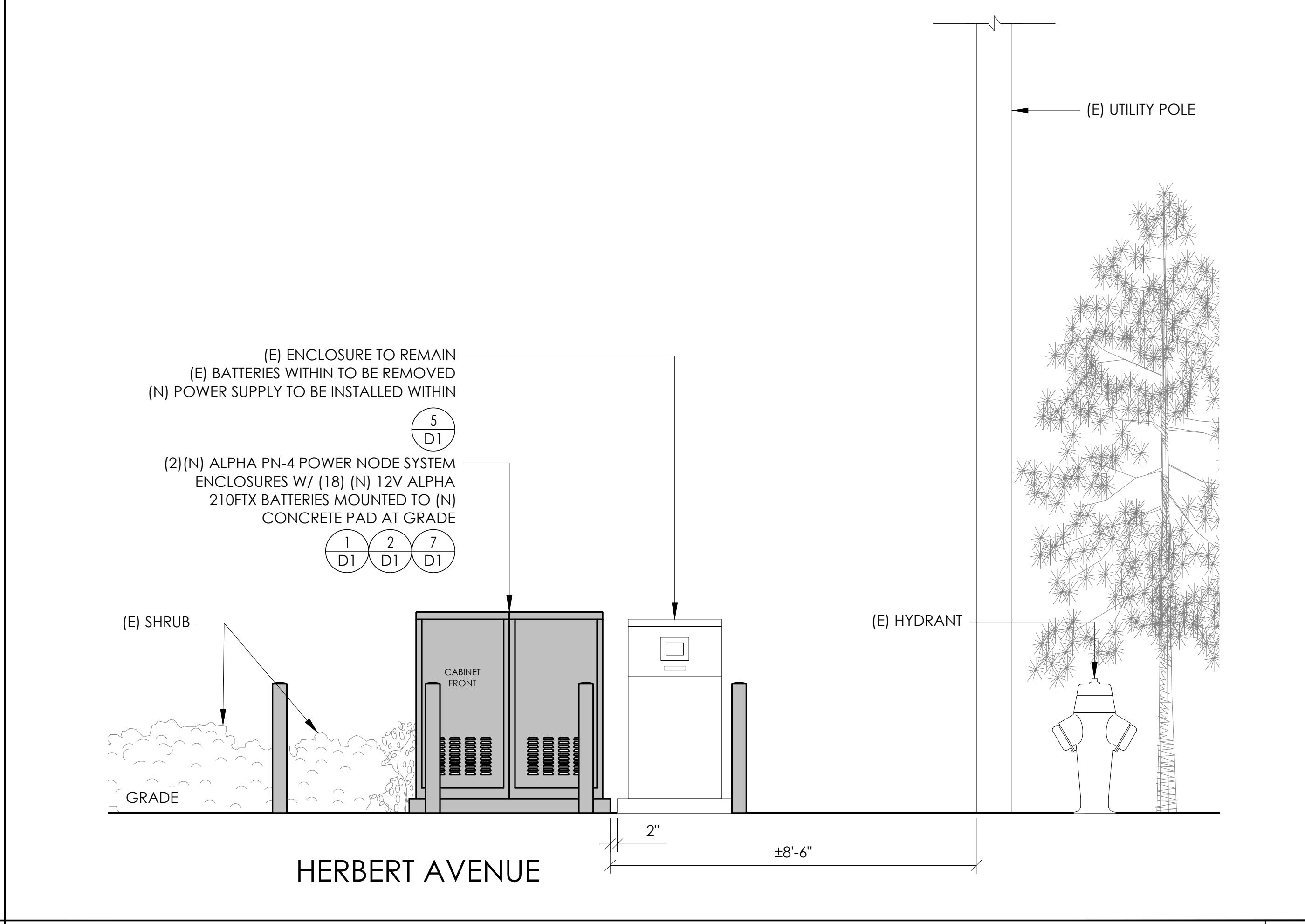
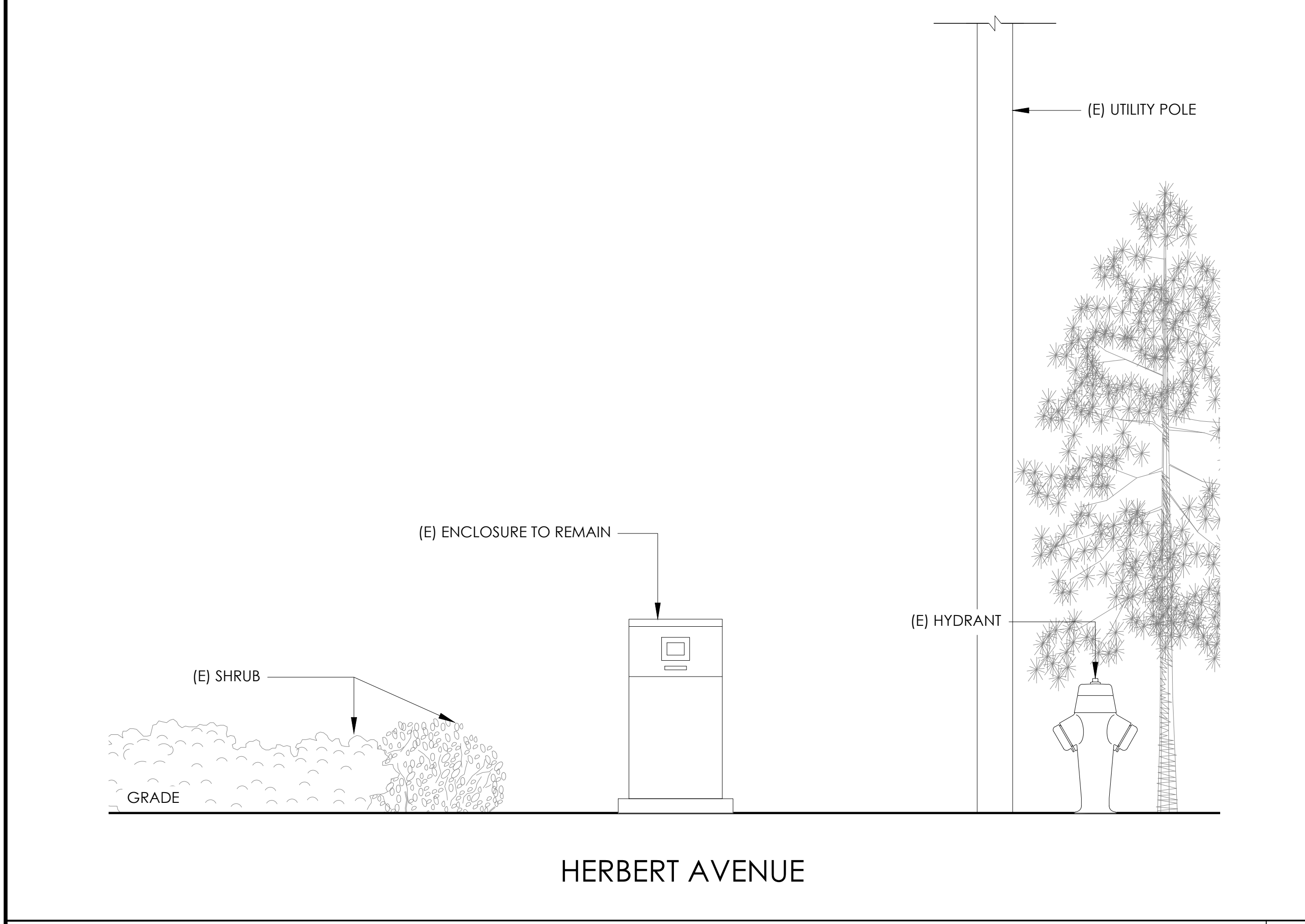


Know what's below.
Call before you dig.



EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 1

Charter Spectrum

9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY

3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058522

ISSUE STATUS

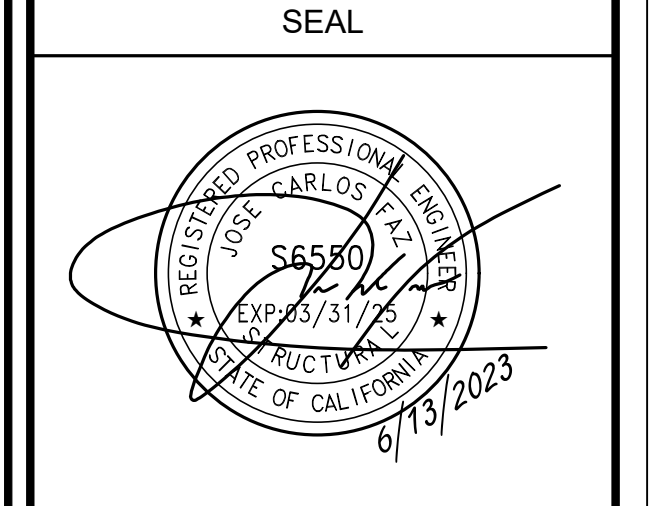
REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	07/30/21	90% CD	KV
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	05/02/23	100% CD REV PER PCC#2	ES
4	08/22/23	100% CD REV PER PCC#2	RD
5	06/13/23	100% CD REV PER PCC#2	RD
6	09/28/23	100% CD REVISION	JG

SEAL

SITE INFORMATION

**SITE ID:
 ST120D_A**

SITE ADDRESS:
 1408 HERBERT AVE,
 SOUTH LAKE TAHOE, CA
 96150

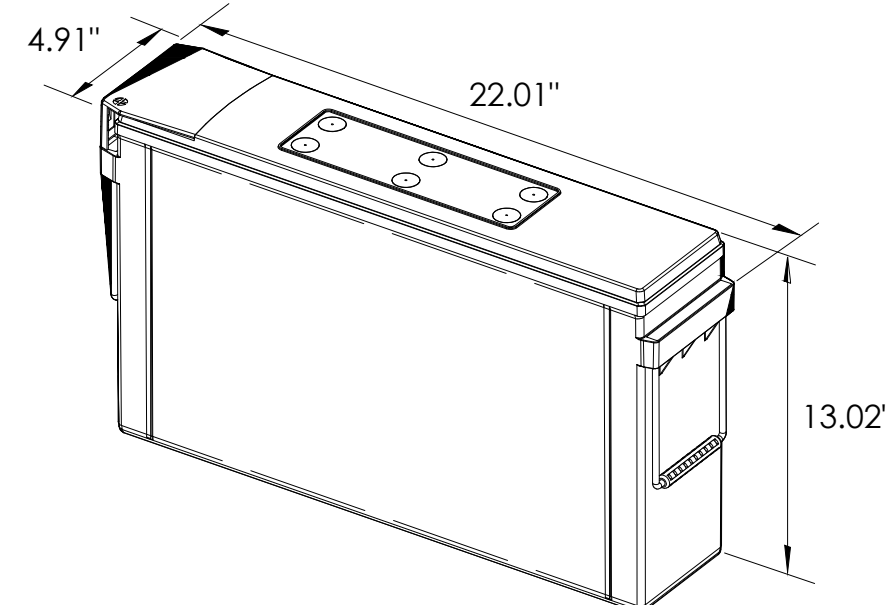


SHEET TITLE:
ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT

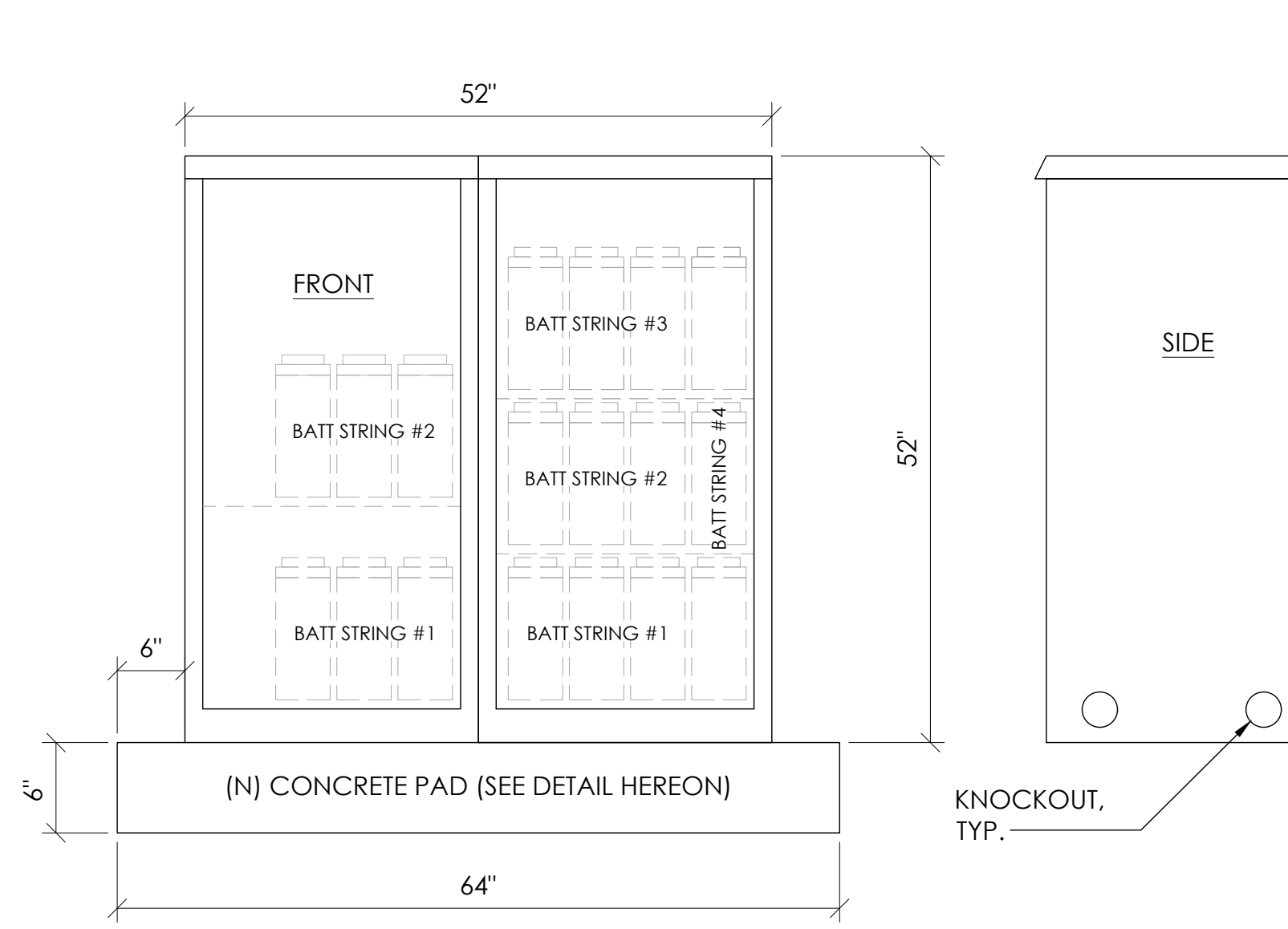


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

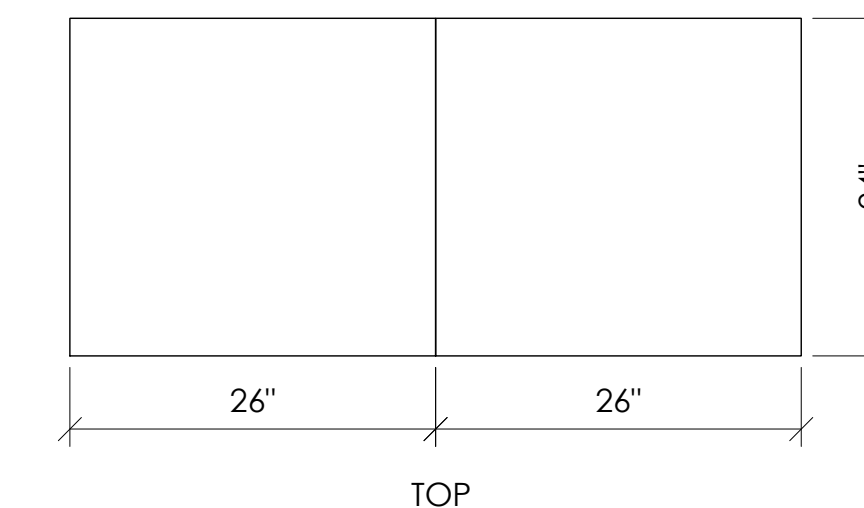
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

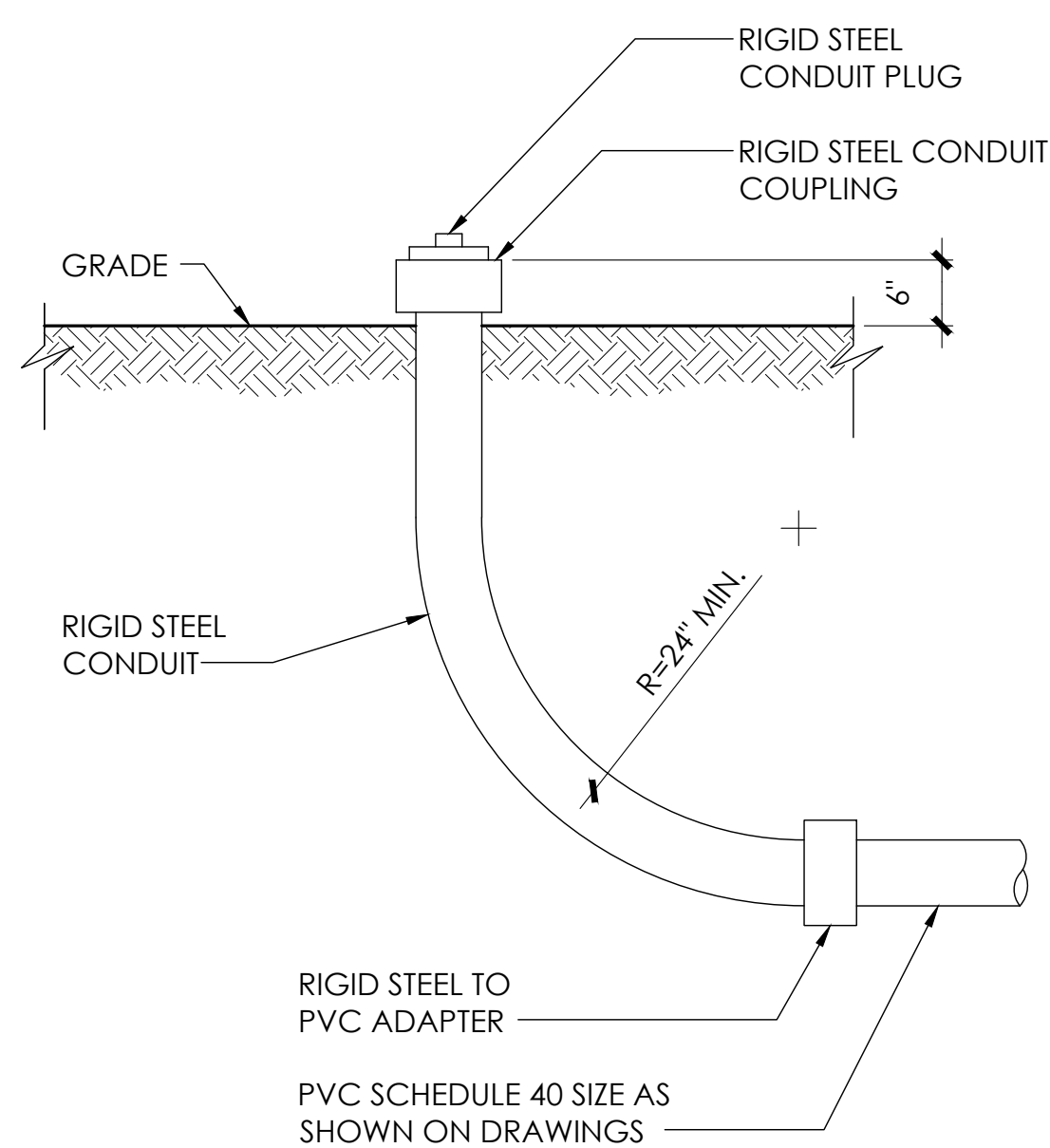


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	
CABINET #1:	(4) BATTERY STRINGS
CABINET #2:	(2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



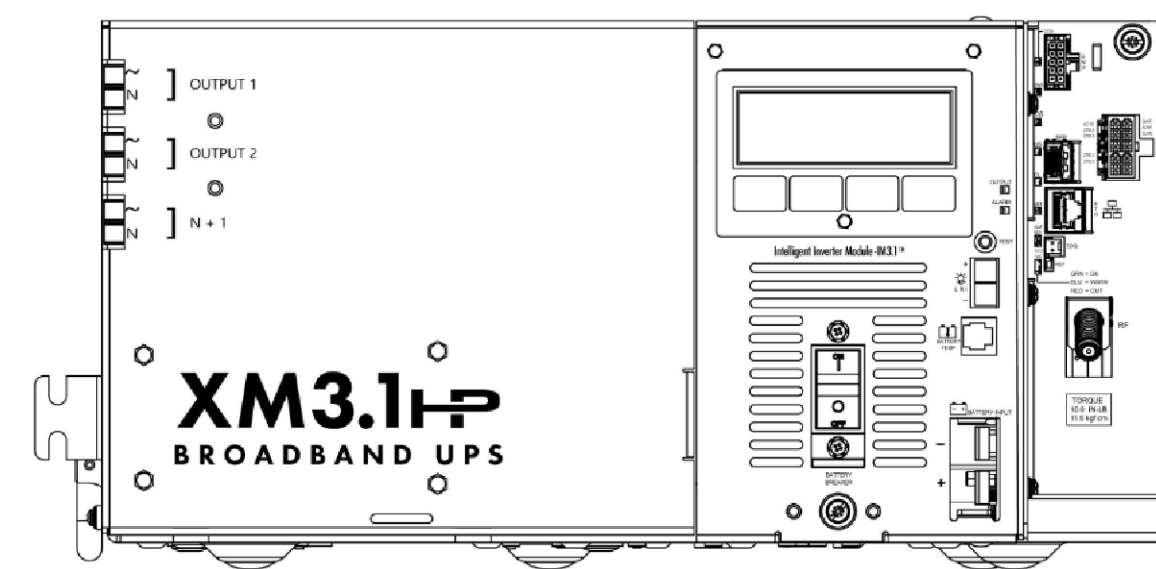
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

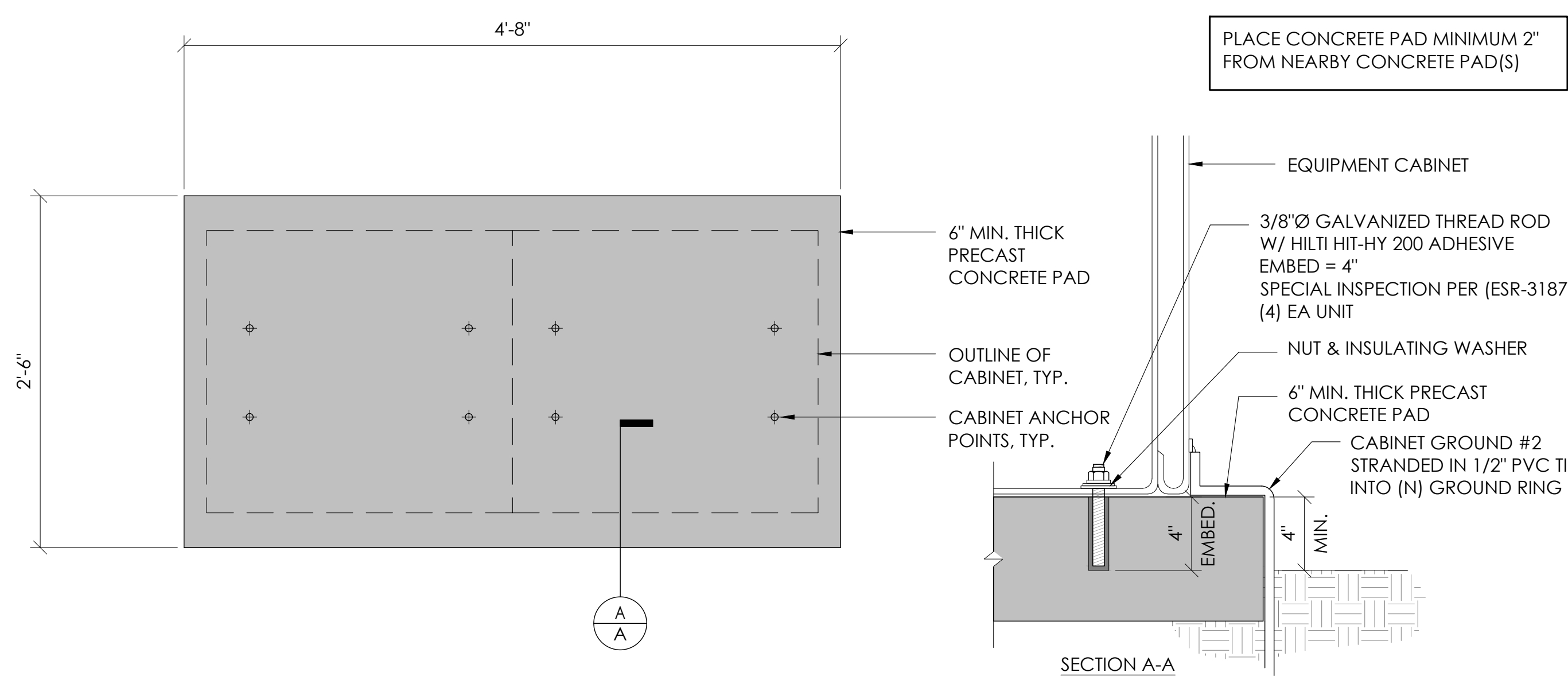
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

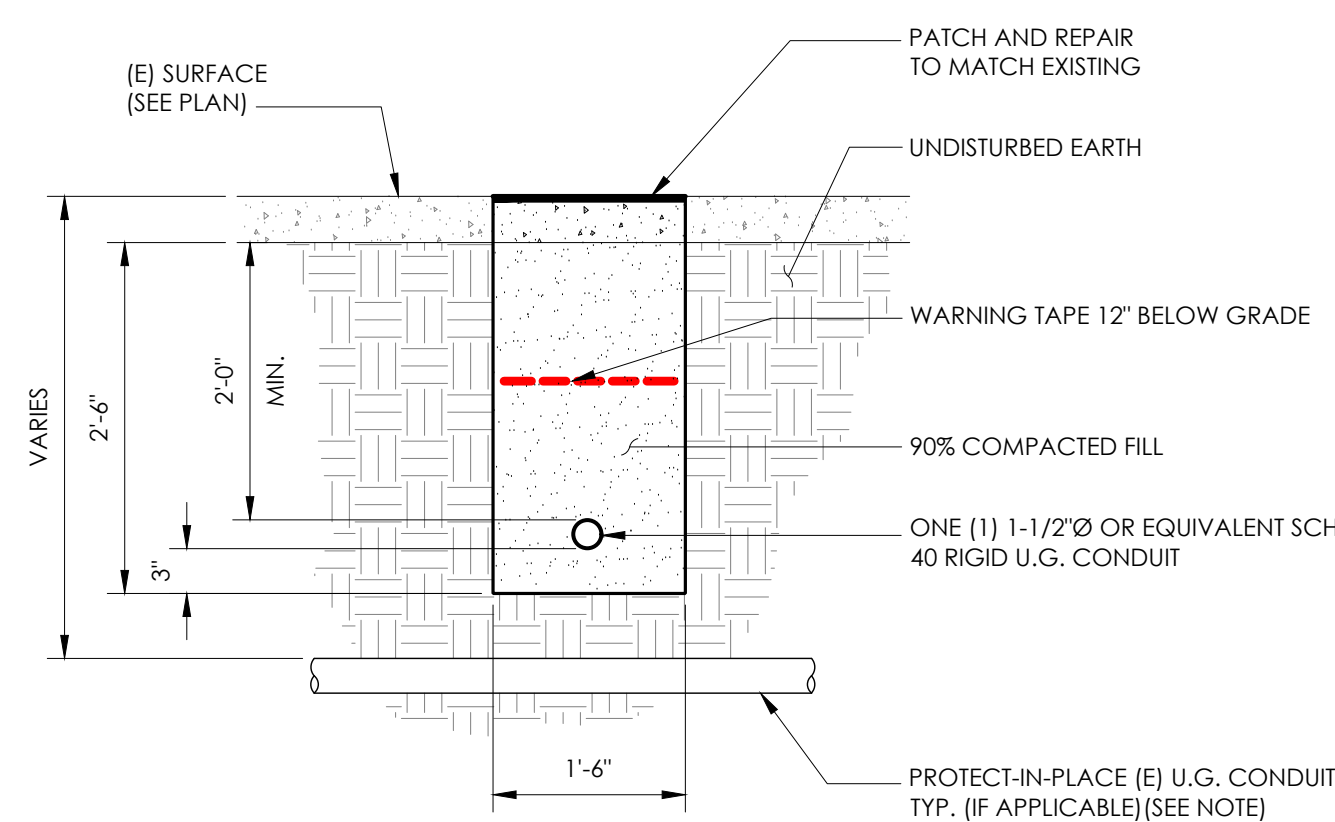


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

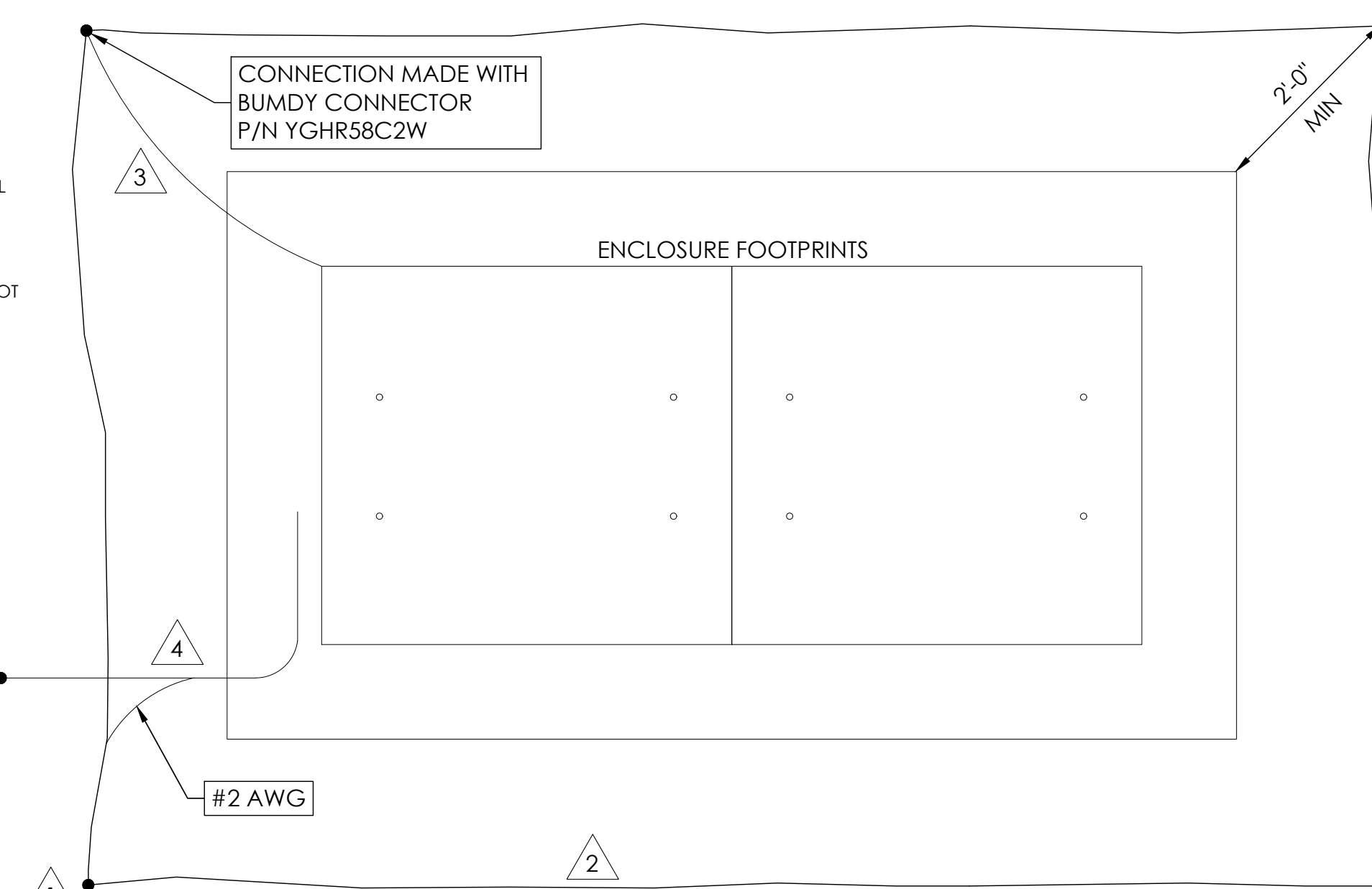
LIGHTNING PROTECTION (OPTIONAL)

- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

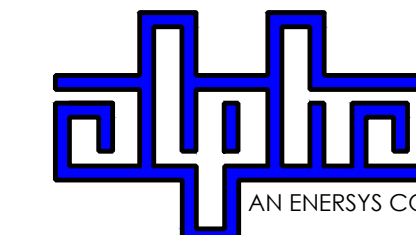
SERVICE GROUNDING (REQUIRED)
#6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6" APART.

NOTE:
GROUND TEST SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



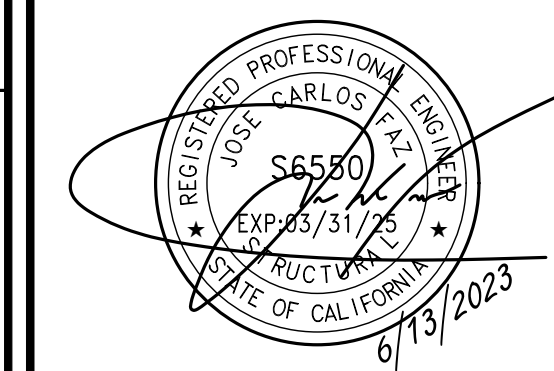
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058522

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
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SEAL



SITE INFORMATION

SITE ID:
ST120D_A

SITE ADDRESS:
1408 HERBERT AVE,
SOUTH LAKE TAHOE, CA
96150

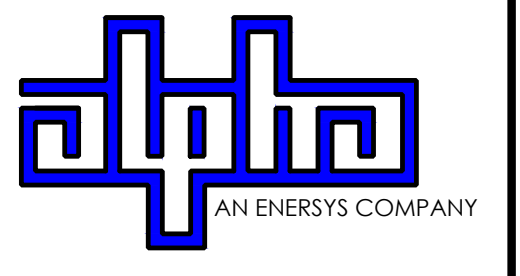
SHEET TITLE:

DETAILS

D1



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



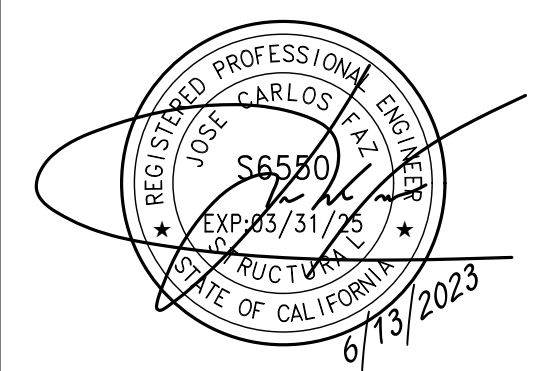
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SEAL



SITE INFORMATION

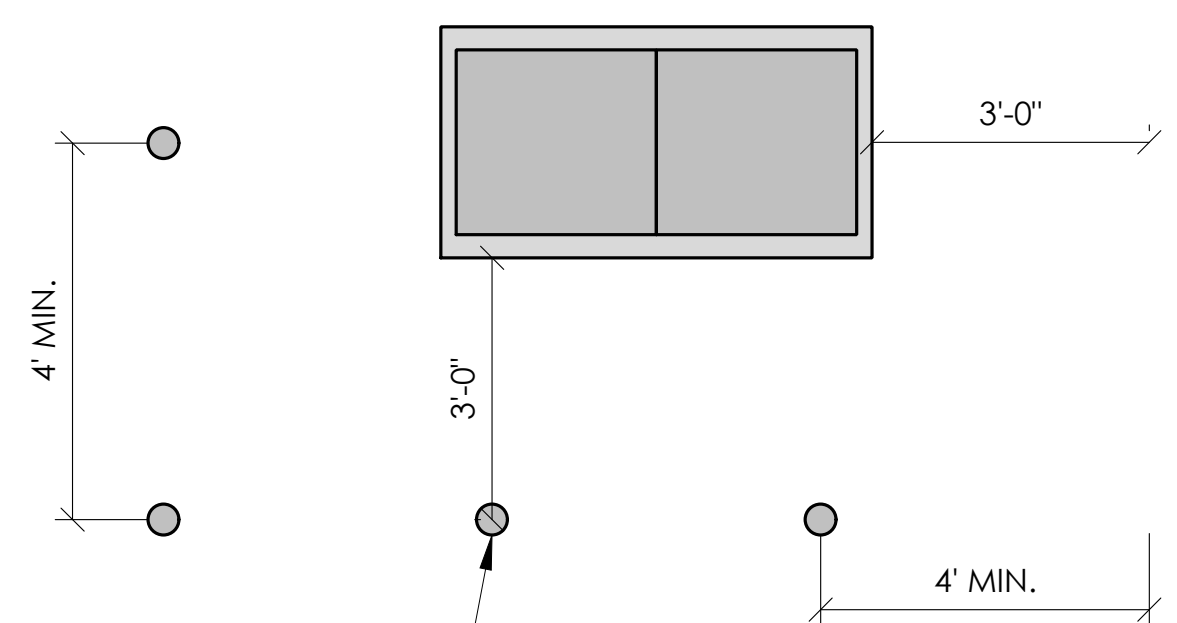
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ST120D_A**

**SITE ADDRESS:
1408 HERBERT AVE,
SOUTH LAKE TAHOE, CA
96150**

SHEET TITLE:

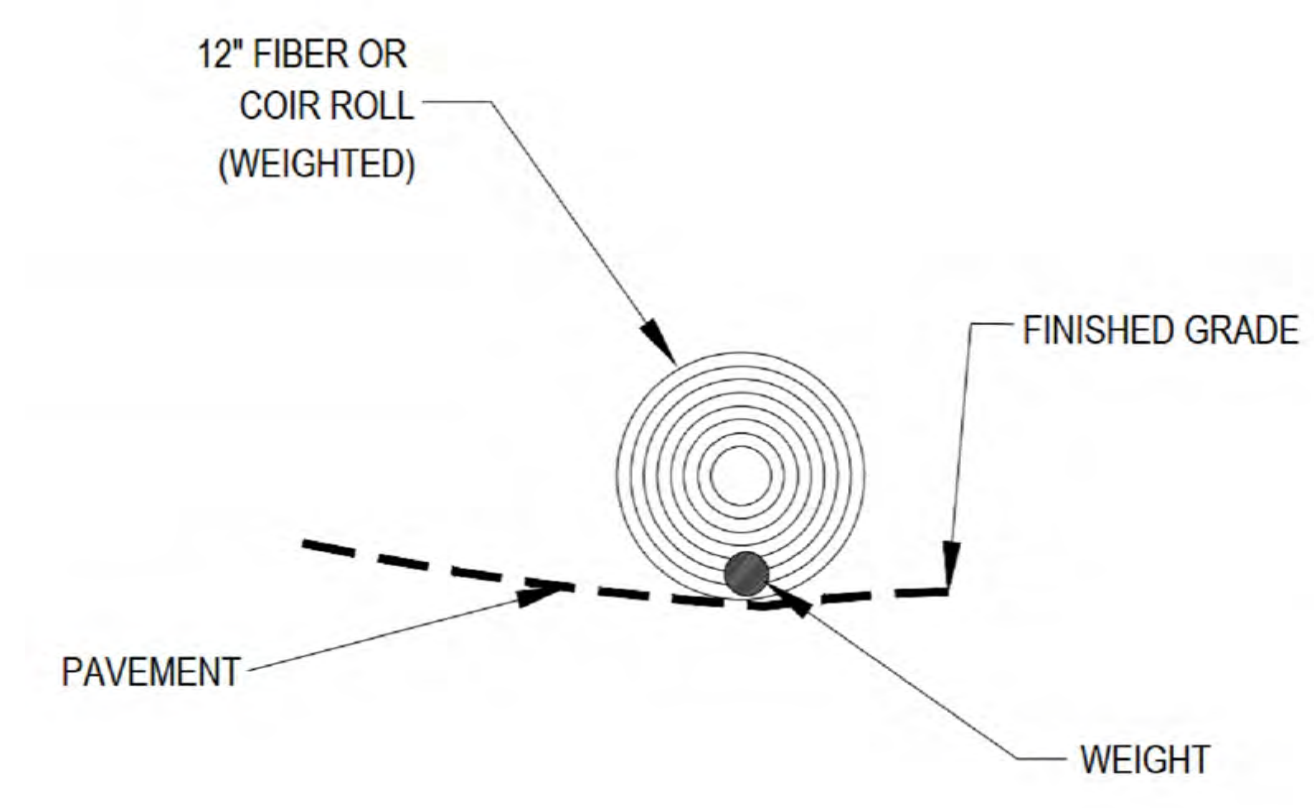
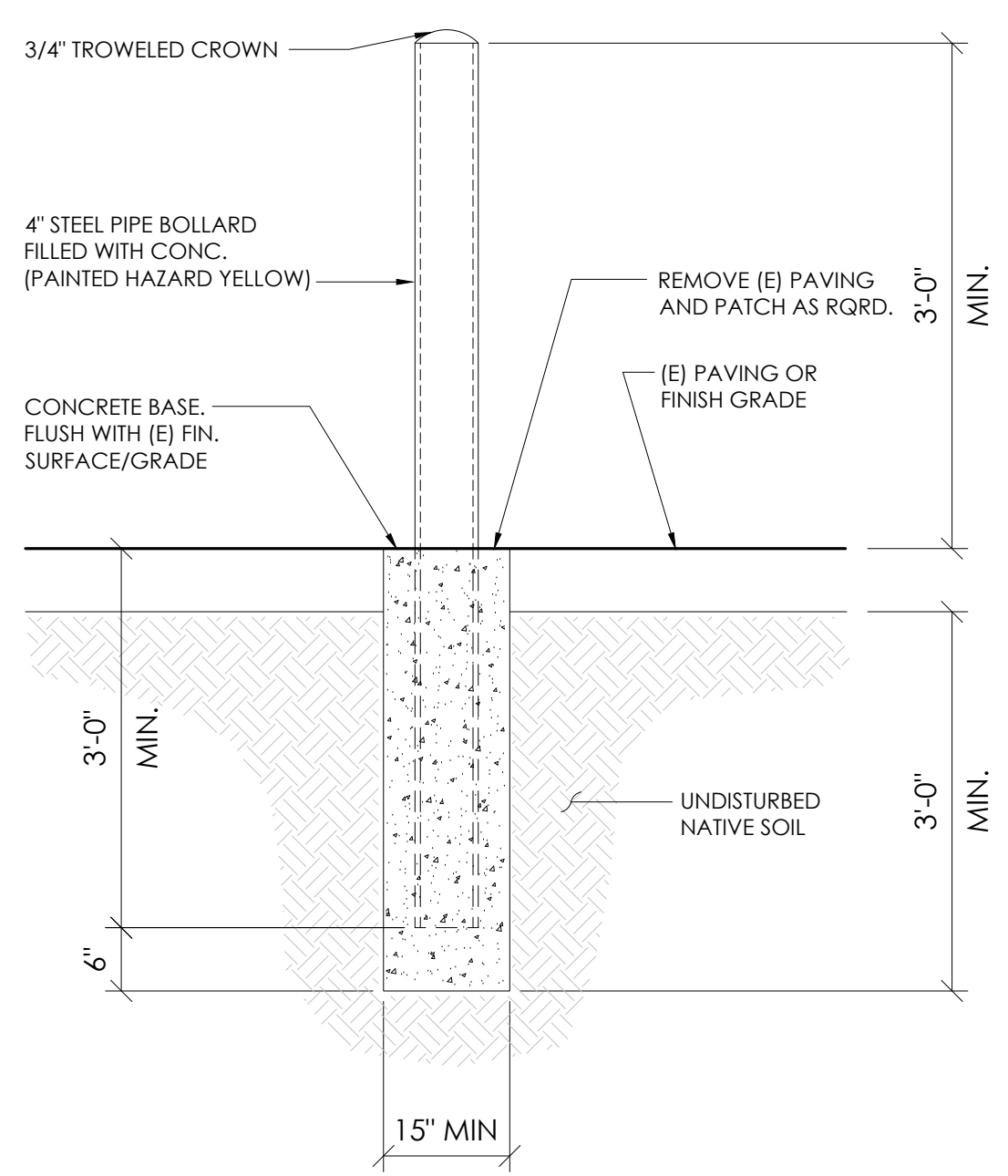
DETAILS

D2



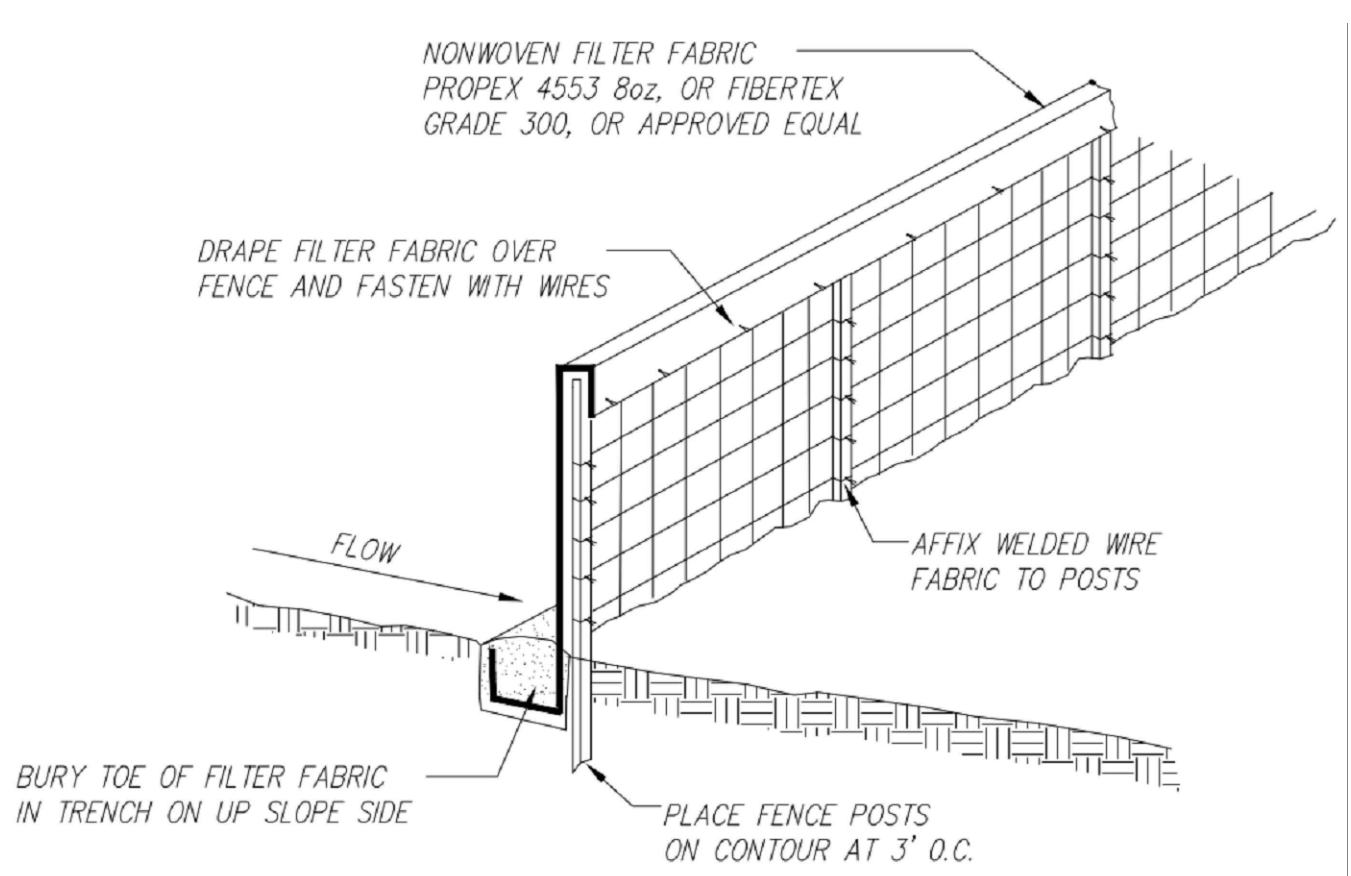
(N) BOLLARDS; TYP-6 (INCREASE OR DECREASE NUMBER OF BOLLARDS AS NECESSARY)

1 BOLLARD DETAIL
N.T.S.



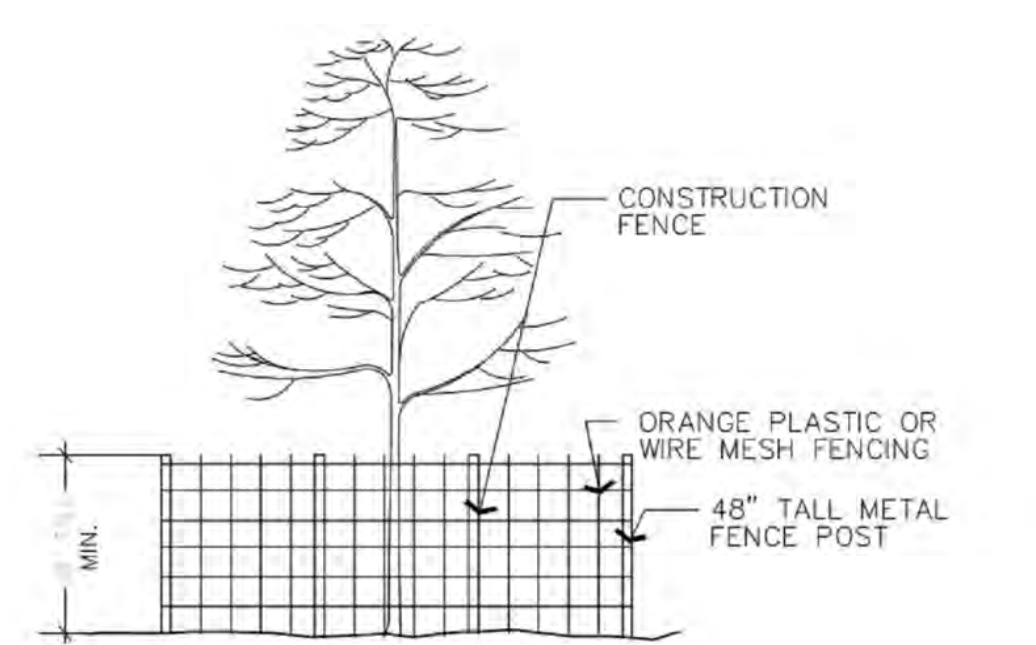
NOTE: ALIGN FIBER ROLL ALONG CONTOURS

2 WEIGHTED COIR LOGS
N.T.S.



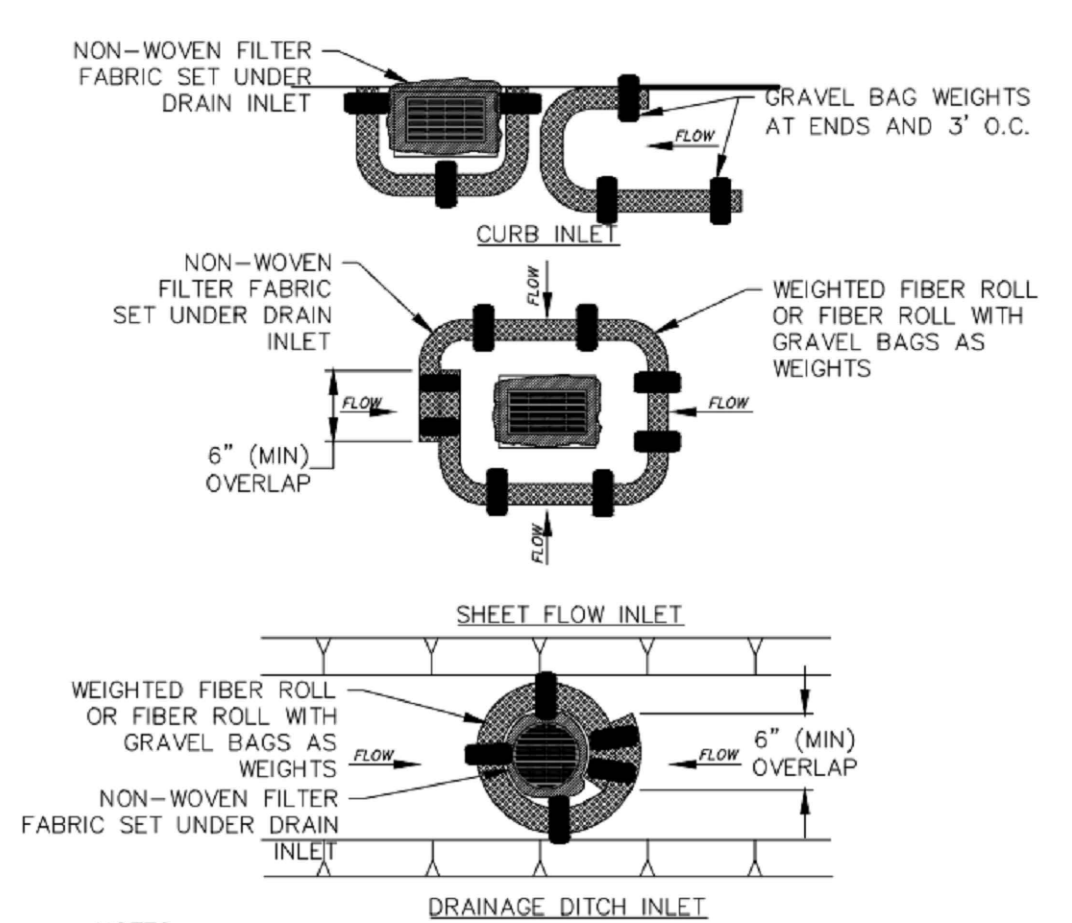
FILTER FABRIC FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO MITIGATE THE EFFECTS OF EROSION, AND REMOVED UPON COMPLETION OF THE PROJECT.

5 EROSION CONTROL FENCING
N.T.S.



- SOIL AND TREE PROTECTION**
1. PLACING ANY MATERIAL—TEMPORARY OR OTHERWISE—WITHIN PROTECTIVE FENCING OR ENTERING PROTECTION AREAS MAY RESULT IN UP TO A \$5,000 PENALTY PER VIOLATION PER DAY. (SECT 65.2 I AN J)
 2. THESE CONDITIONS ARE PART OF ALL PROJECTS AS CONDITIONS OF ATTACHMENTS R, S, AND Q.
 3. METAL OR WIRE MESH FENCING MAY BE REQUIRED.

3 VEGETATION PROTECTION FENCING
N.T.S.



- NOTES:**
1. FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
 2. GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
 3. INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
 4. SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
 5. IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
 6. REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

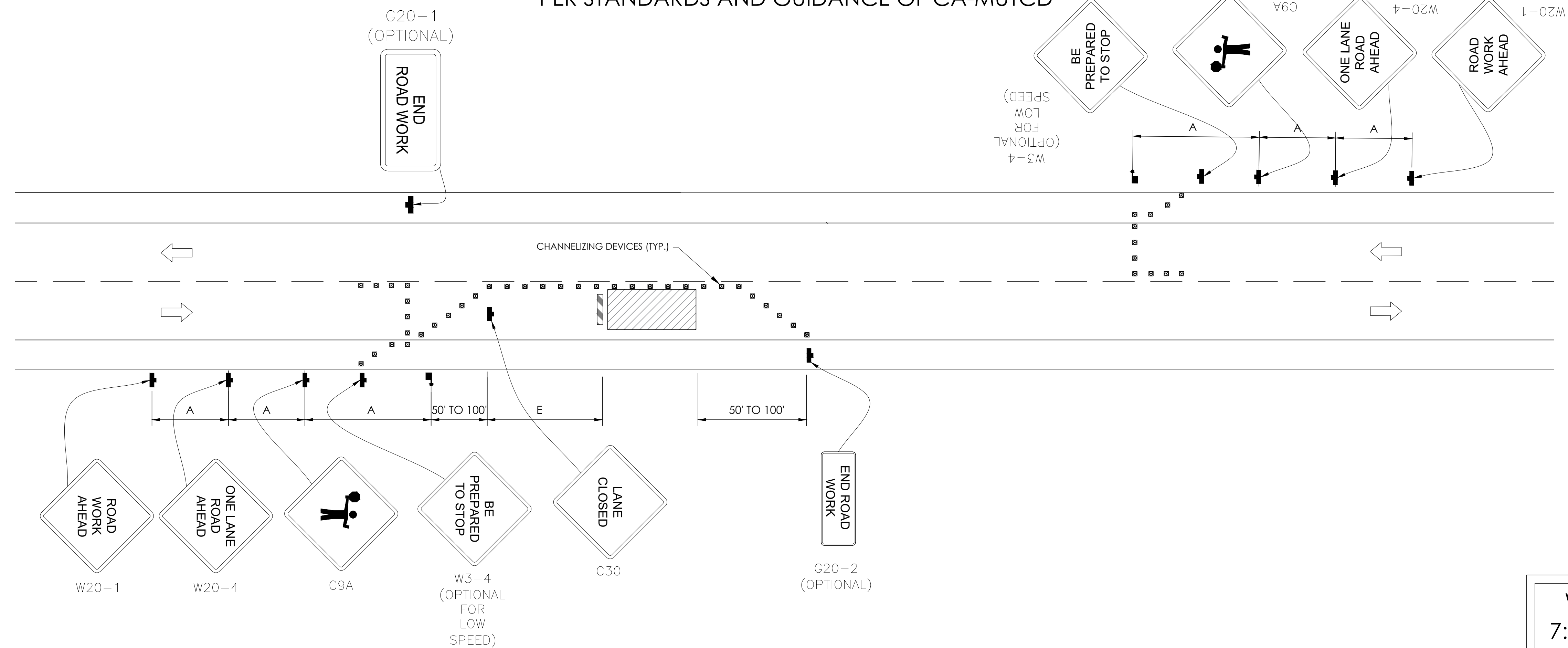
12 NOT USED
N.T.S.

9 NOT USED
N.T.S.

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



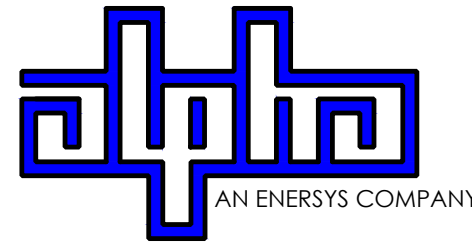
GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



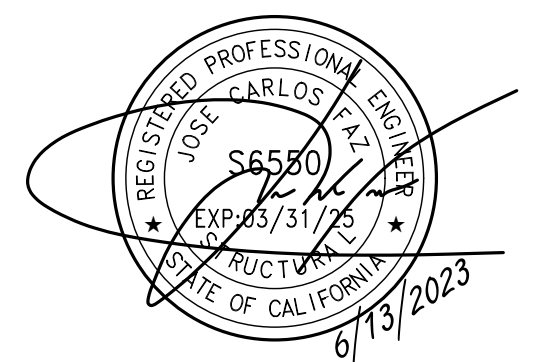
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058522

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	07/30/21	90% CD	KV
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
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5	06/13/23	100% CD REV PER PCC#2	RD
6	09/28/23	100% CD REVISION	JG

SEAL



SITE INFORMATION

**SITE ID:
ST120D_A**

SITE ADDRESS:
1408 HERBERT AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST120B_A

SITE ADDRESS: 1500 GLENWOOD, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

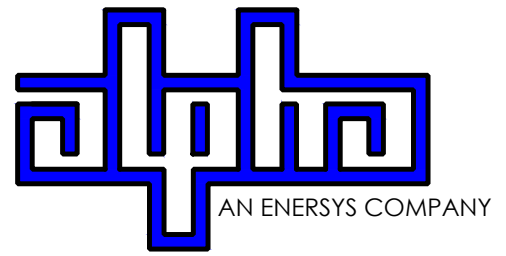
Table with 2 columns: Field Name and Value. Fields include SITE ADDRESS, LATITUDE/LONGITUDE, JURISDICTION, POWER PROVIDER, STRUCTURE TYPE, OUTPUT VOLTAGE SPEC., INPUT VOLTAGE SPEC., AMP DRAW, HYDRAULIC RELATED AREA, COVERAGE, and CUT/FILL VOLUME.

2A SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ENERSYS SBS 190 BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

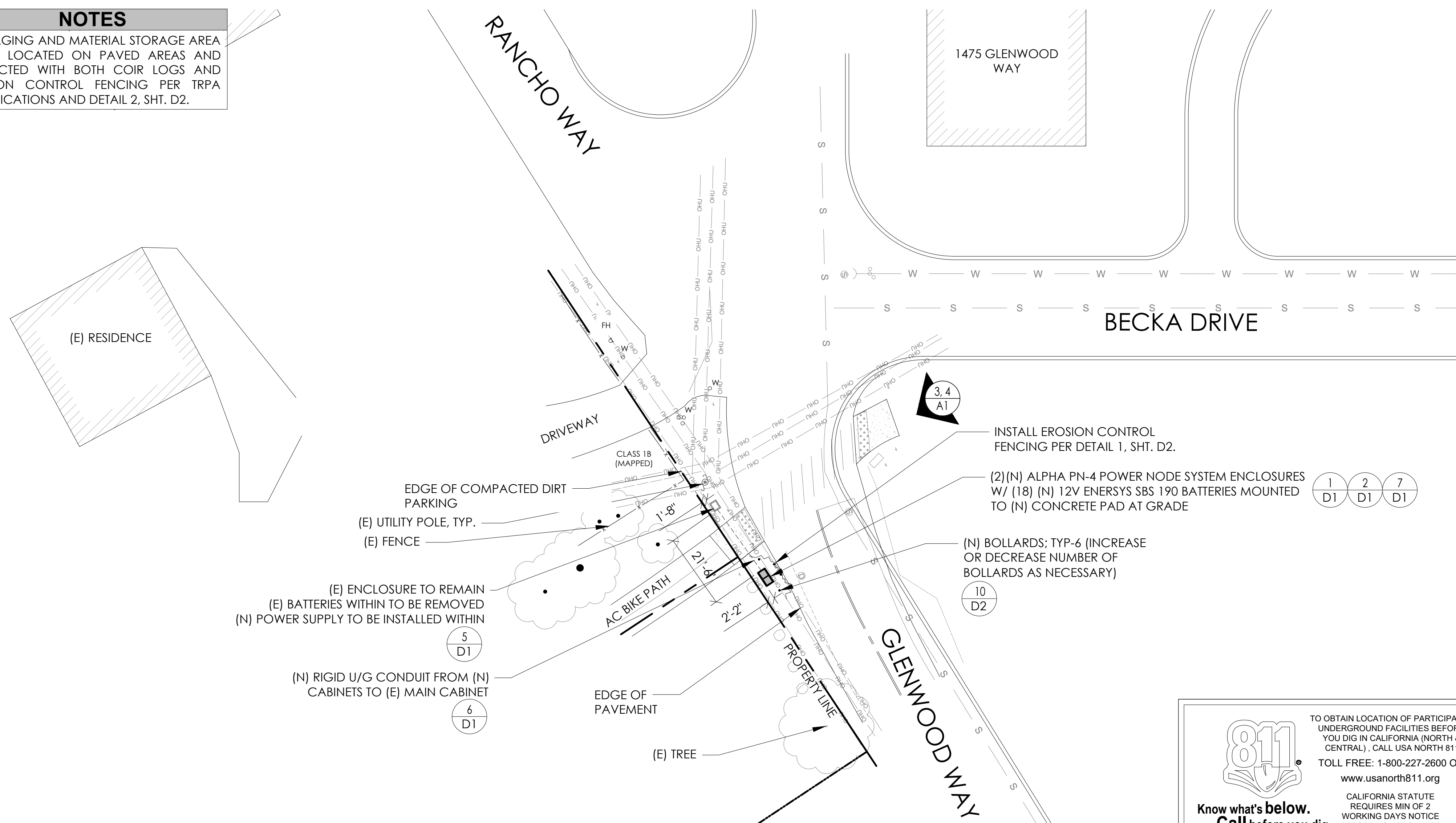
J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-058750

ISSUE STATUS

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Shows revision history for the drawing.

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



DRAWING INDEX

Table with 2 columns: SHEET and DESCRIPTION. Lists sheets T1, LS-1, A1, D1, D2, and TC1.

PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311
ENGINEER/ARCHITECT: J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com
APPLICANT: ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com

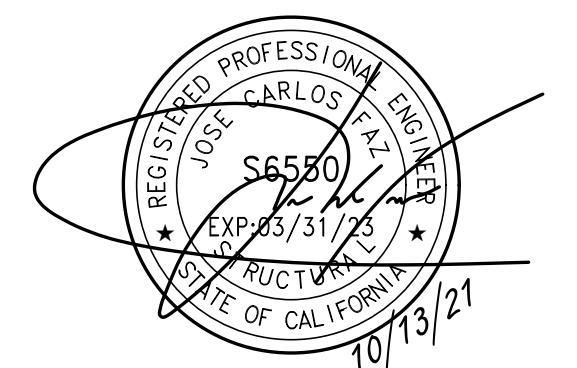
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
PART 1 - CALIFORNIA ADMINISTRATIVE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
PART 6 - CALIFORNIA ENERGY CODE
PART 7 - VACANT
PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
2. ANSITIA-222 (REV H)
3. 2018 NFPA 101, LIFE SAFETY CODE
4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID: ST120B_A

SITE ADDRESS: 1500 GLENWOOD, SOUTH LAKE TAHOE, CA 96150

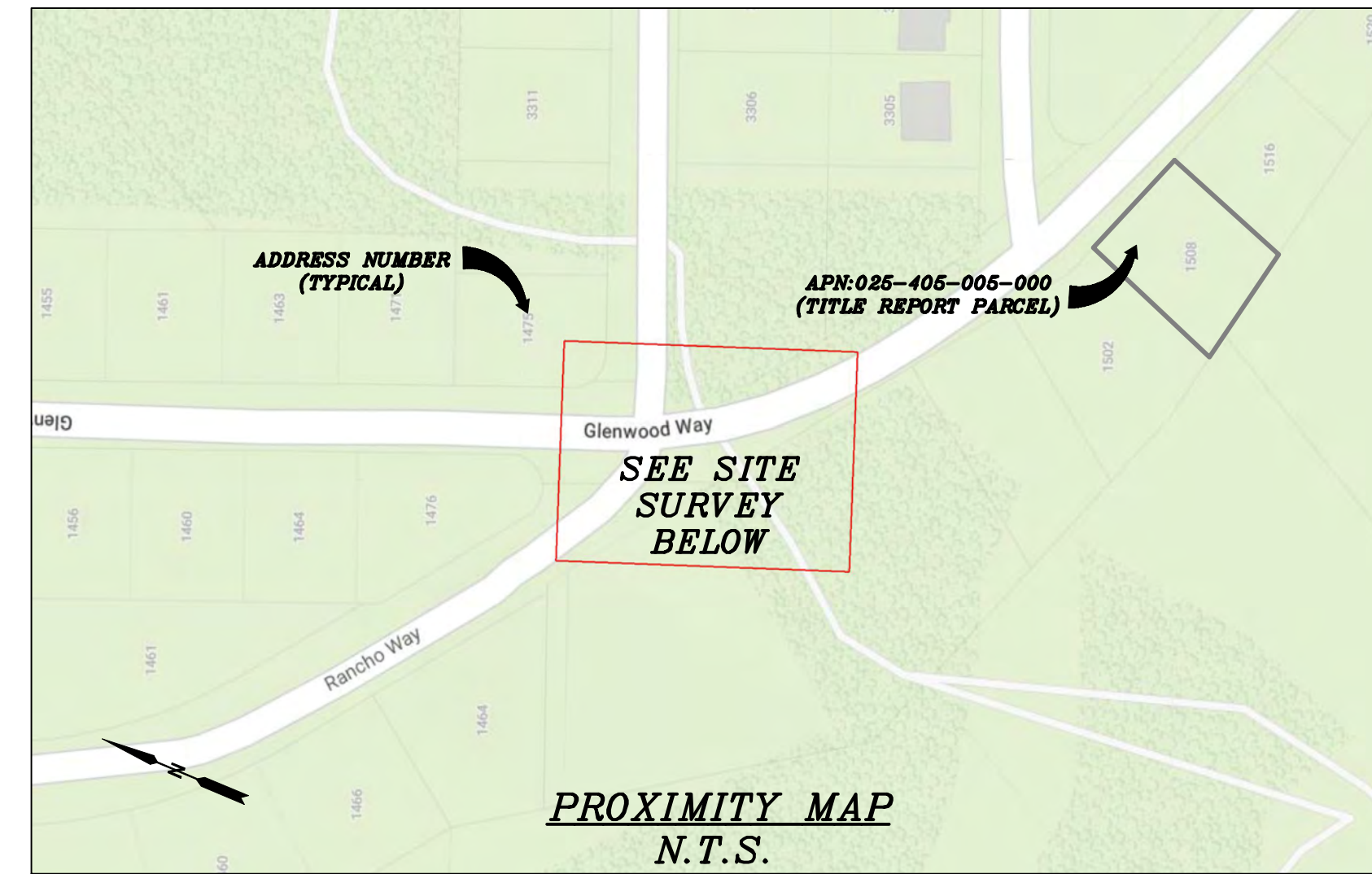
SHEET TITLE:

TITLE SHEET

T1

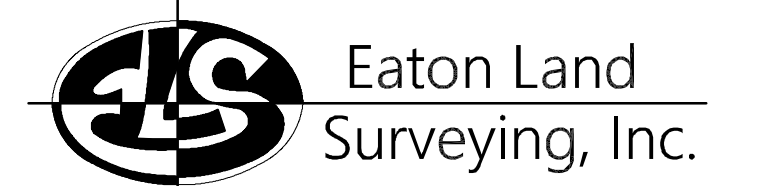
SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"
www.usanorth811.org
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

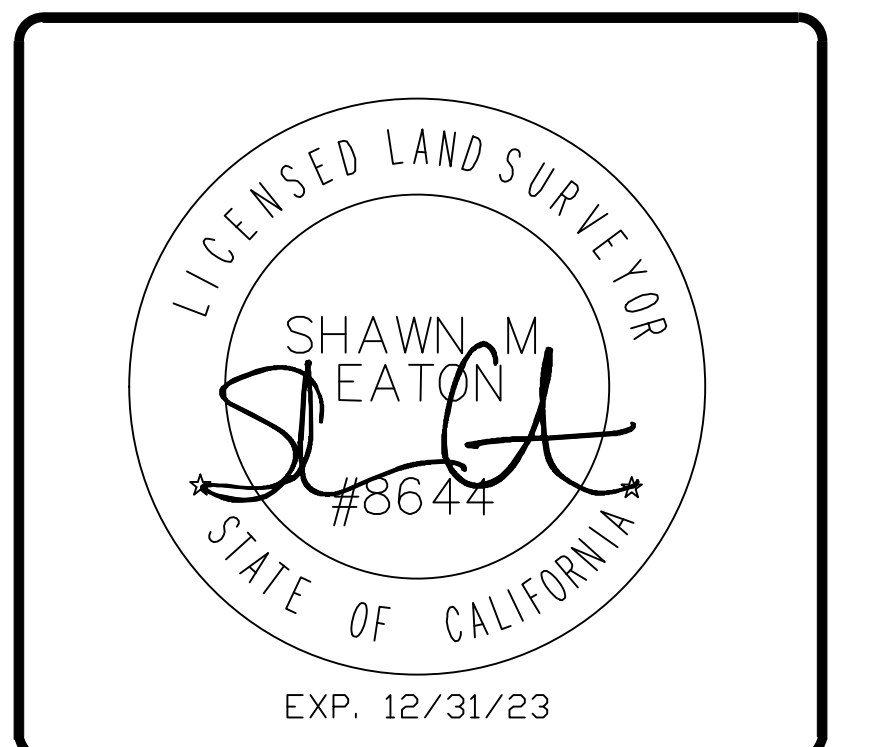
ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/07/23	SUBMITTAL



PROJECT INFORMATION:
ST120B_A
1500 GLENWOOD WAY
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/25/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

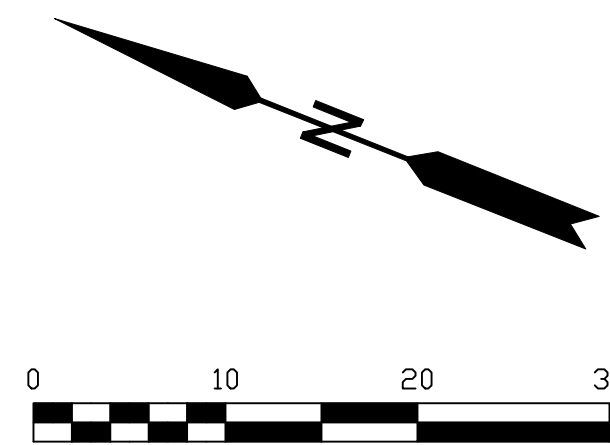
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0387F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

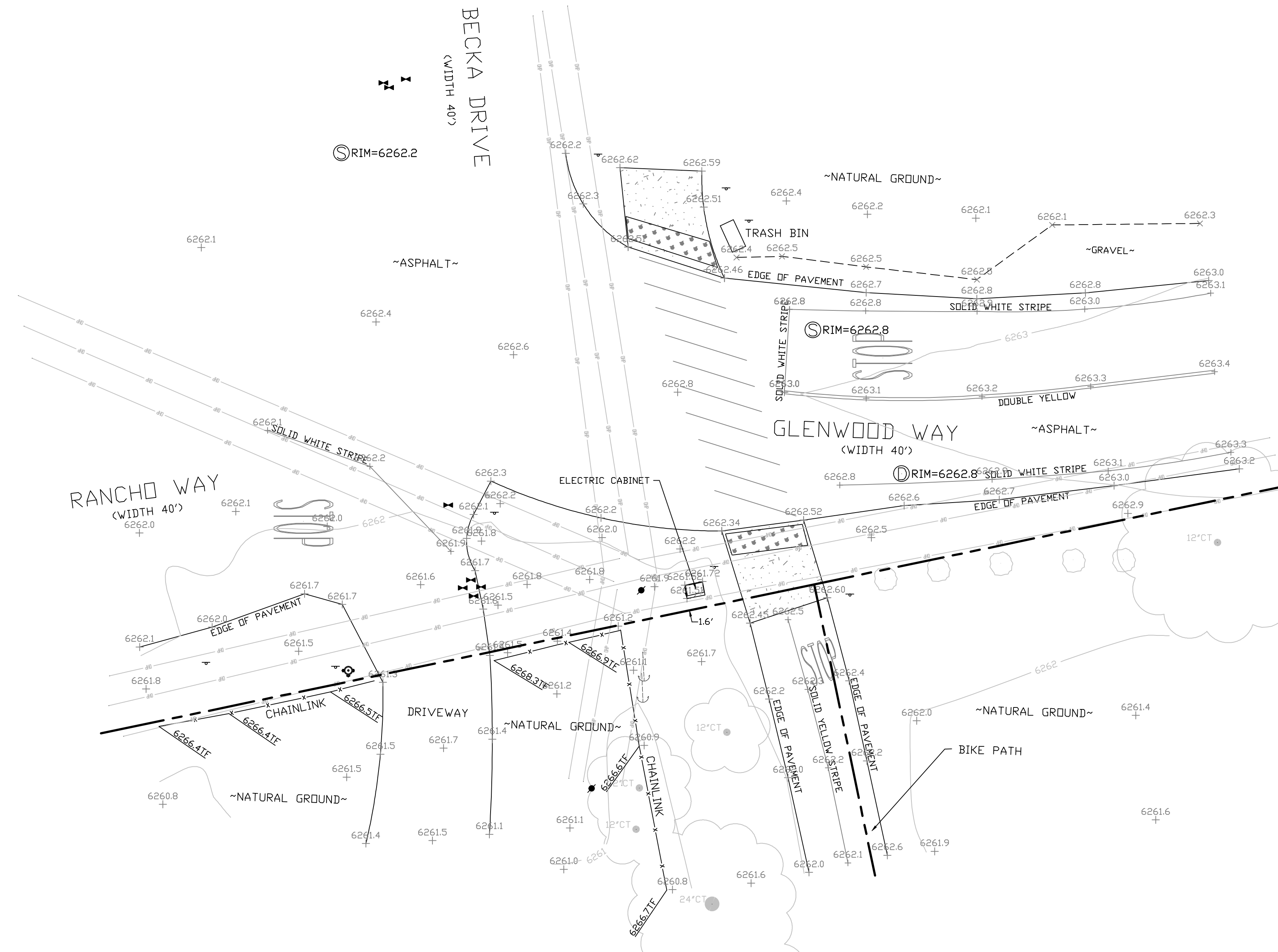
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 82 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 025-405-005-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032351 DATED 08/31/2023;



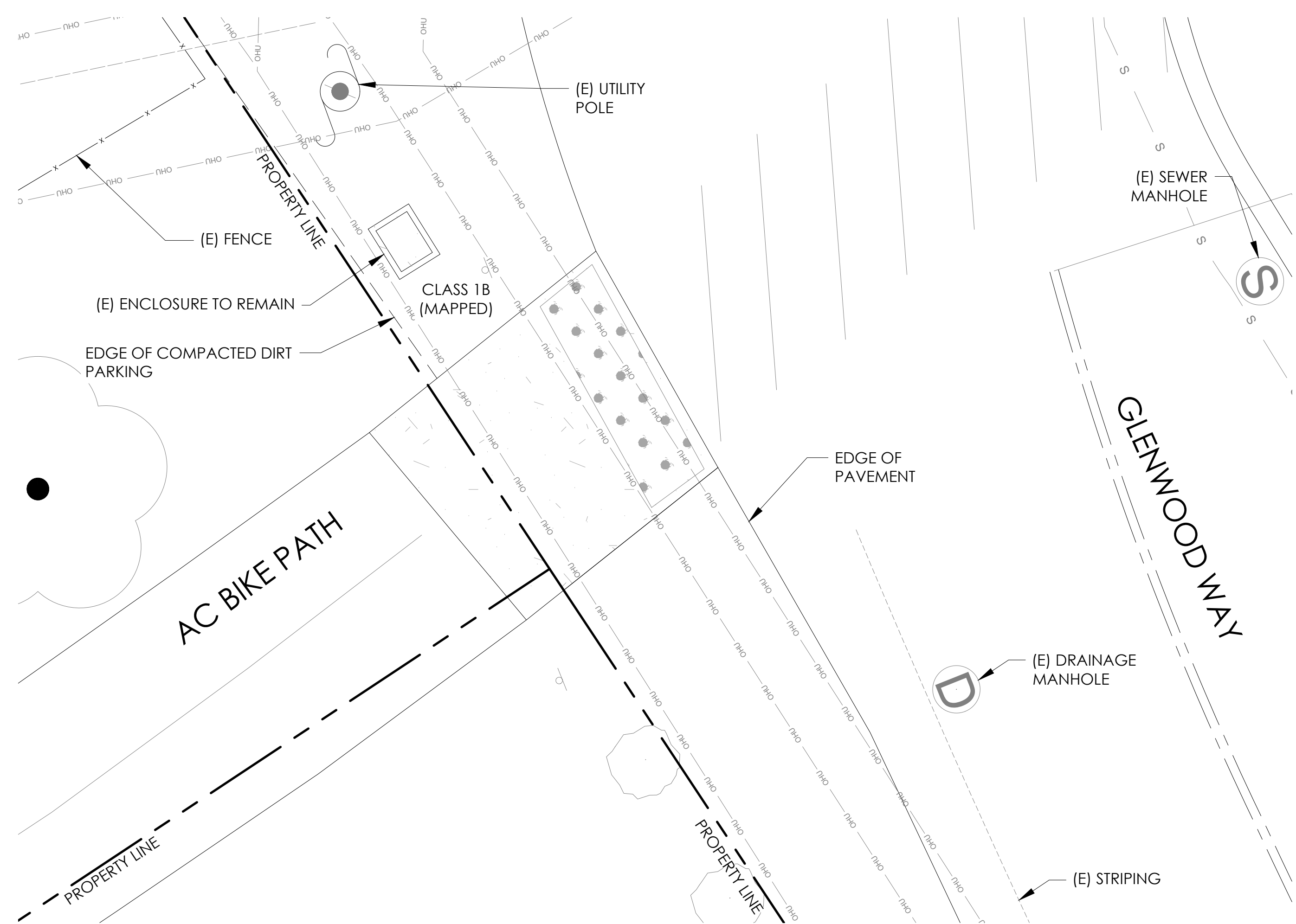
LEGEND

- These standard symbols may be found in the drawing.
- CONCRETE
 - TRUNCATED DOME
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - EDGE OF GRAVEL WALL
 - ROCK WALL
 - PULL BOX ELECTRIC
 - PULL BOX TELEPHONE
 - PULL BOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - ROCK
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



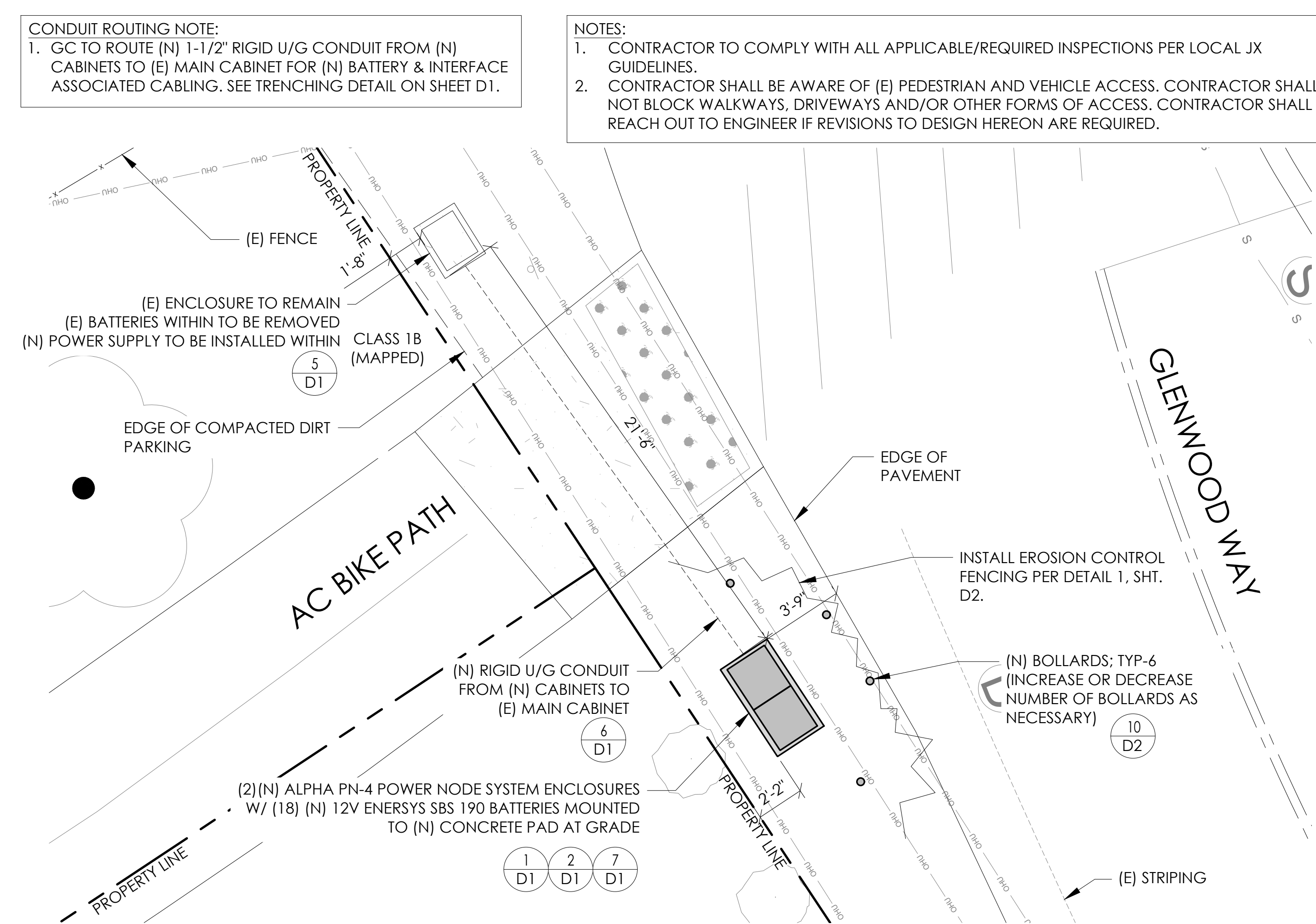
SITE SURVEY
SCALE 1"=10'





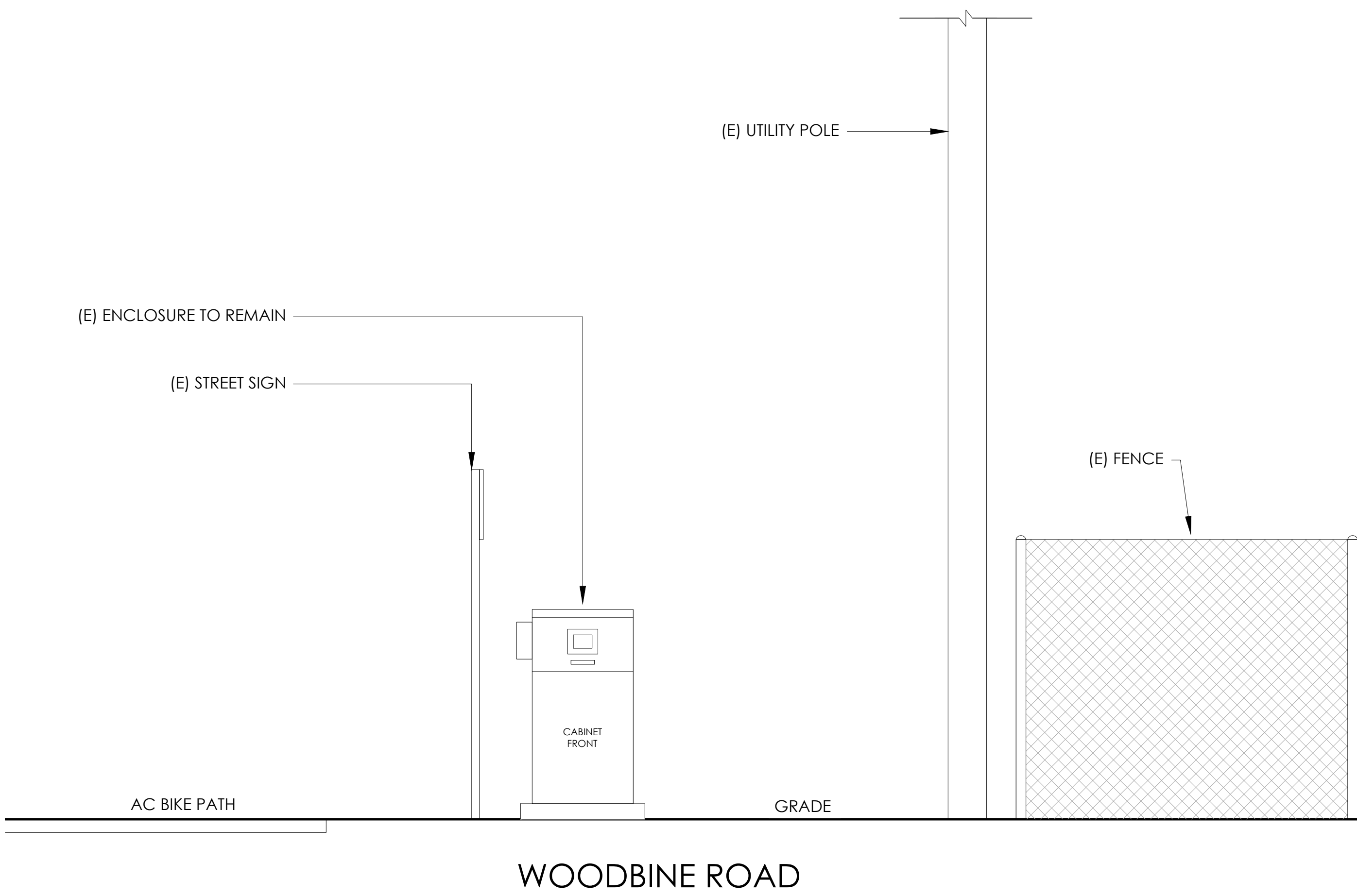
EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4' NORTH 2



PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2' 4



PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2' 3

CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058750

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCCH#1	DJW
3	10/13/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL

10/13/21

SITE INFORMATION

SITE ID:
 ST120B_A

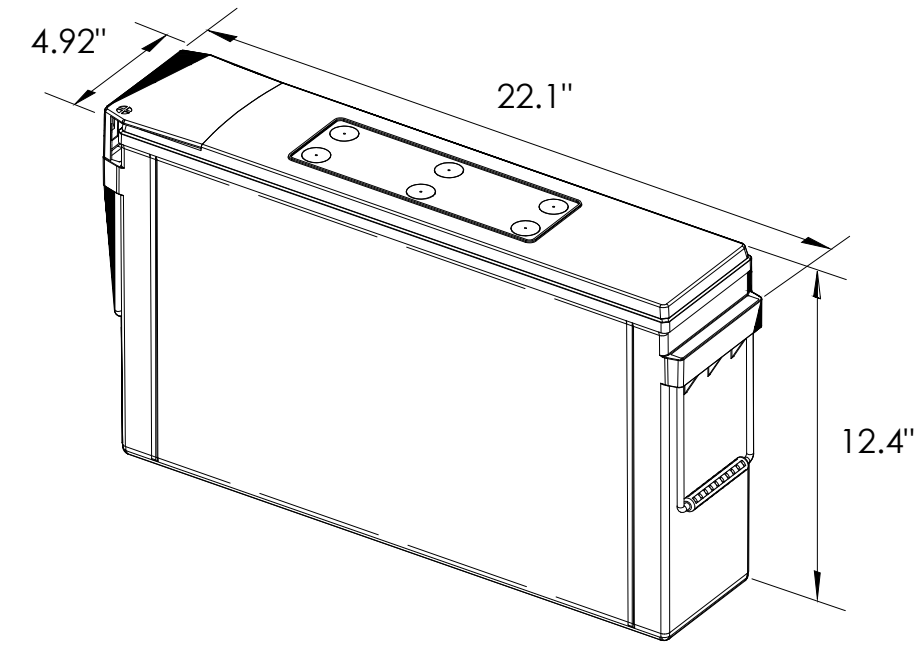
SITE ADDRESS:
 1500 GLENWOOD,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
ELEVATIONS

A1



ENERSYS SBS 190F BATTERY UNIT

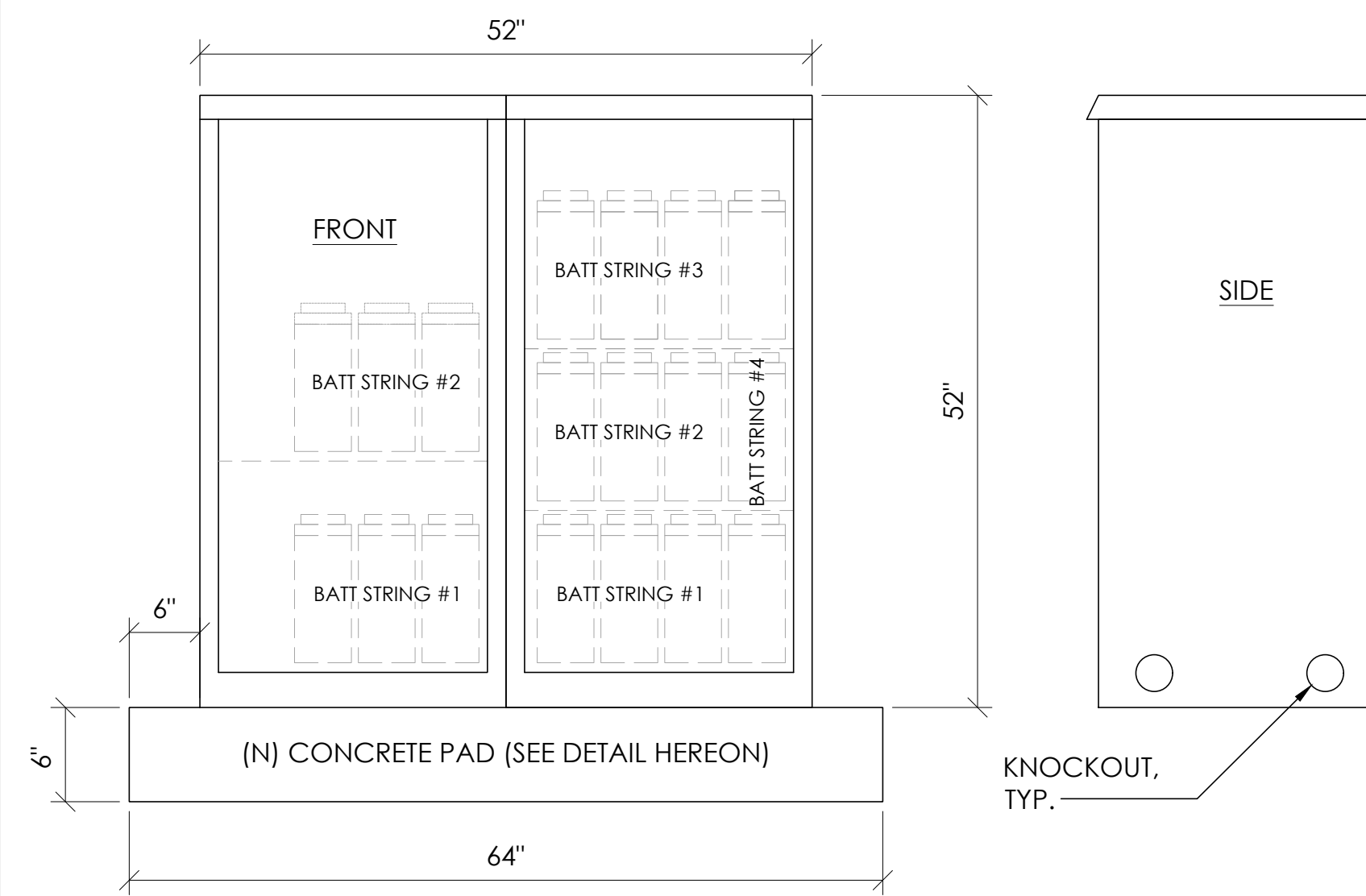


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ENERSYS
MODEL:	SBS 190 FT
HEIGHT:	12.4 IN
WIDTH:	4.92 IN
LENGTH:	22.1 IN
WEIGHT:	132 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE SBS 190F	18	12	190	2.28	41.04			2.34	42.12
TOTAL		18				41.04	70	CFC 2019 SECTION 1206 DOES NOT APPLY		42.12

7 BATTERY SPECIFICATIONS N.T.S.

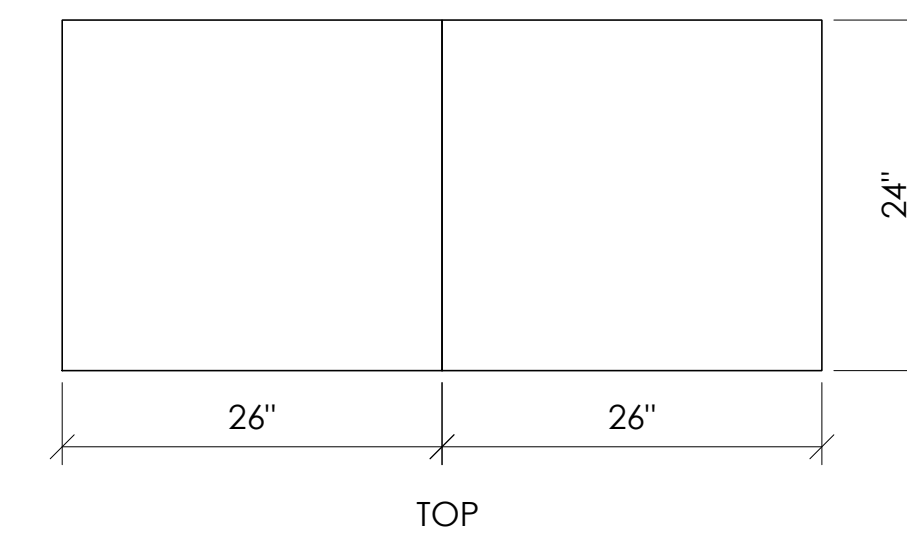


CABINET SPECIFICATIONS

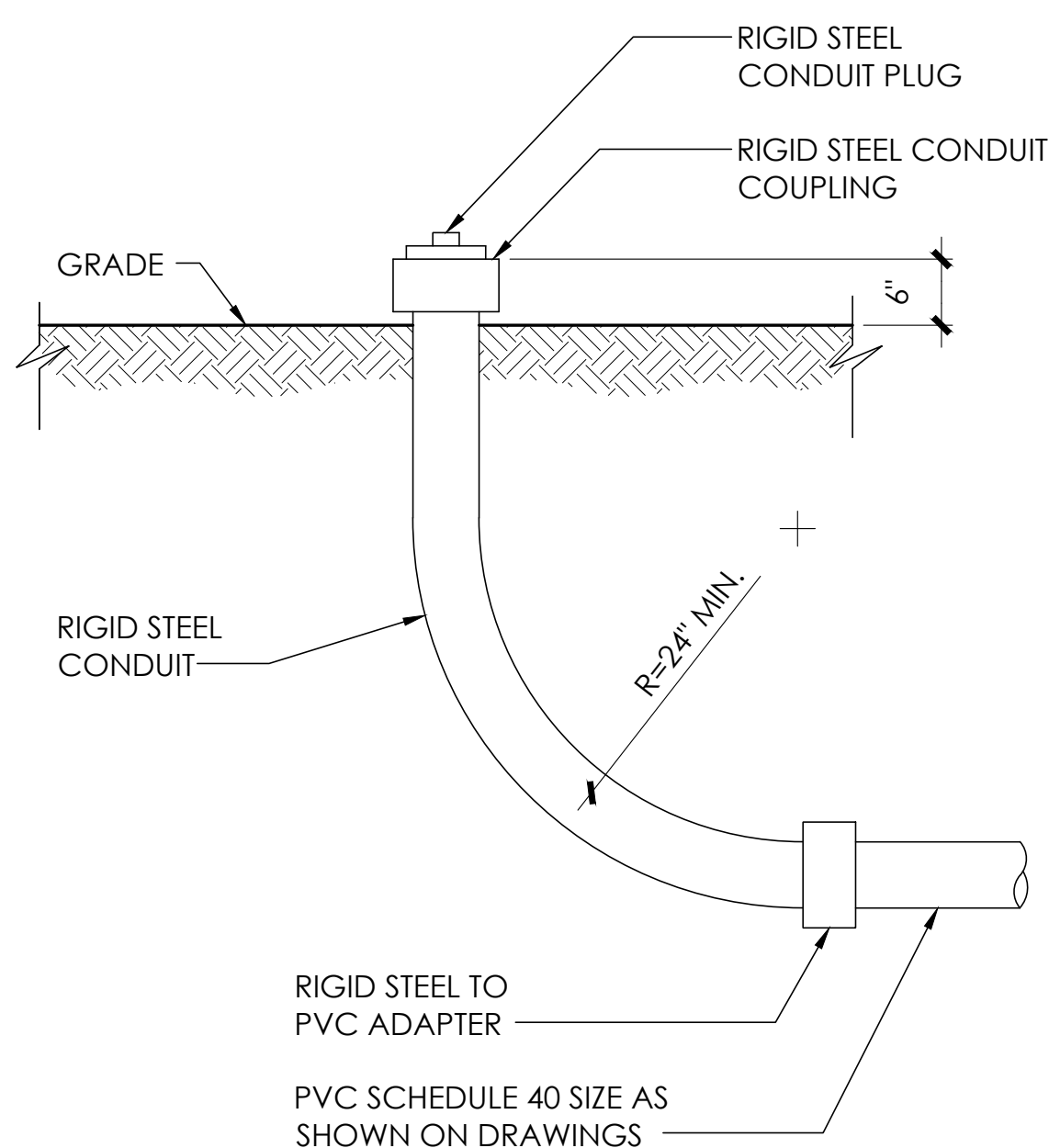
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,736 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL N.T.S.



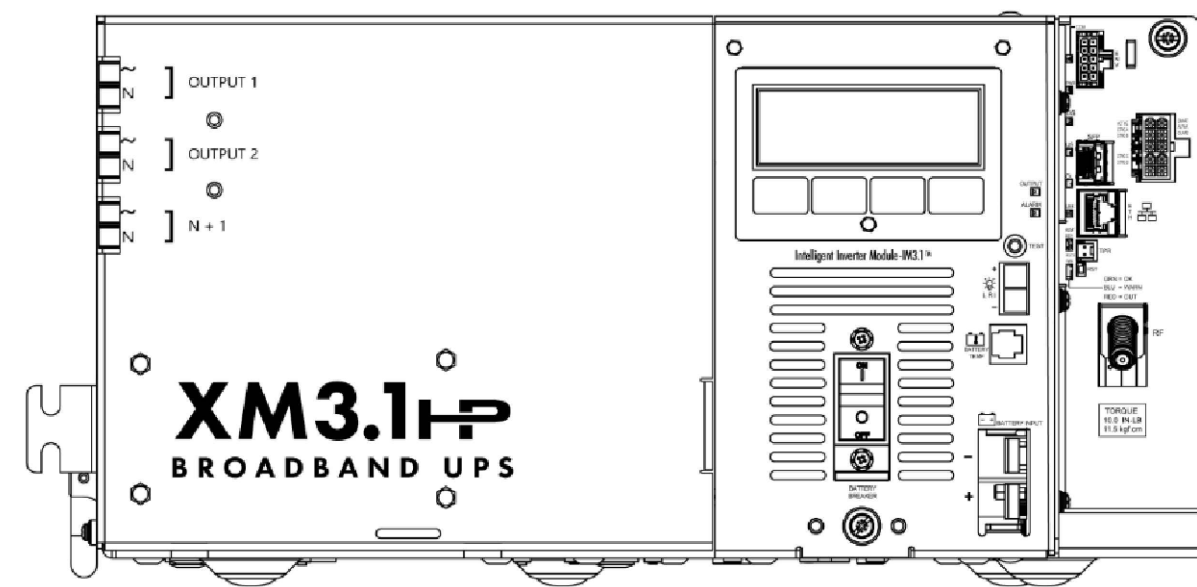
8 STUB-UP DETAIL N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

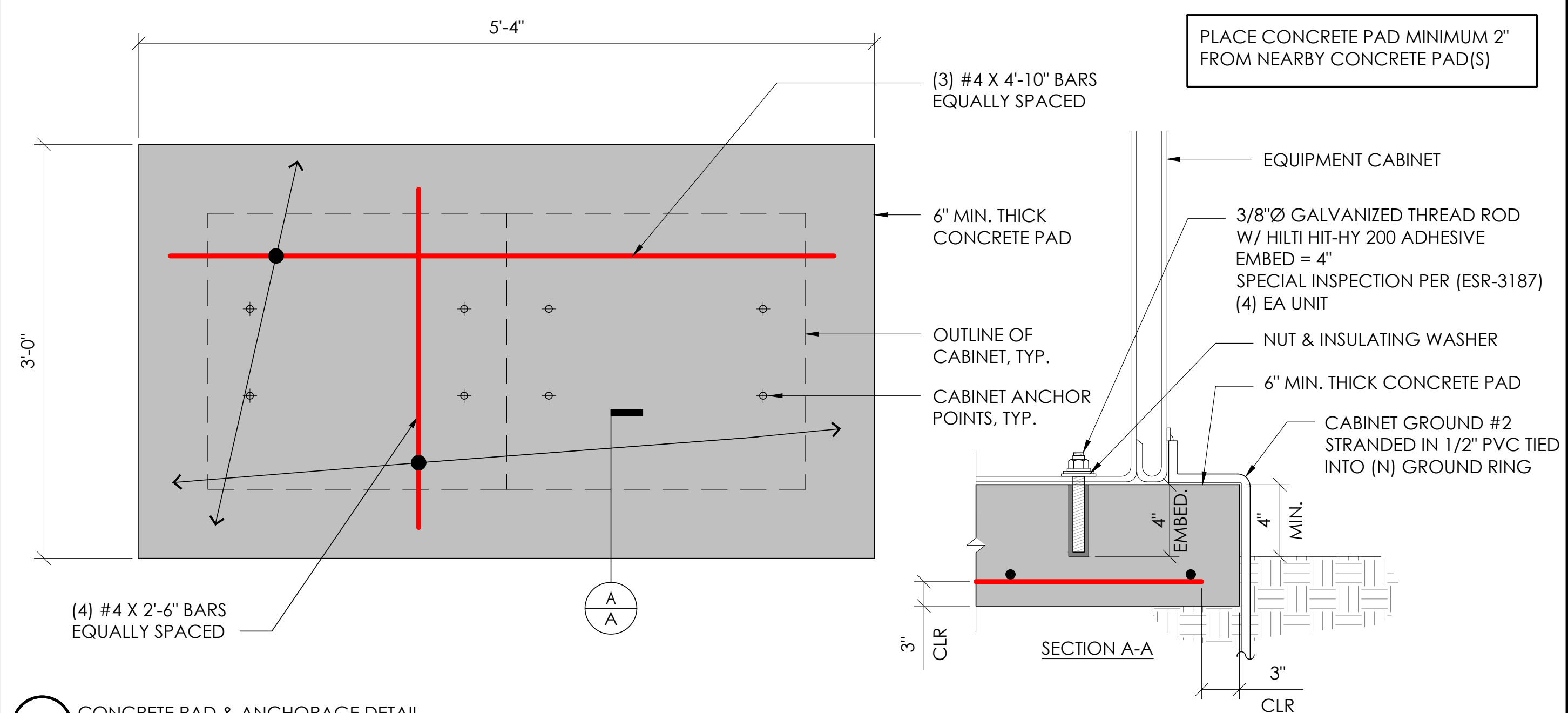
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

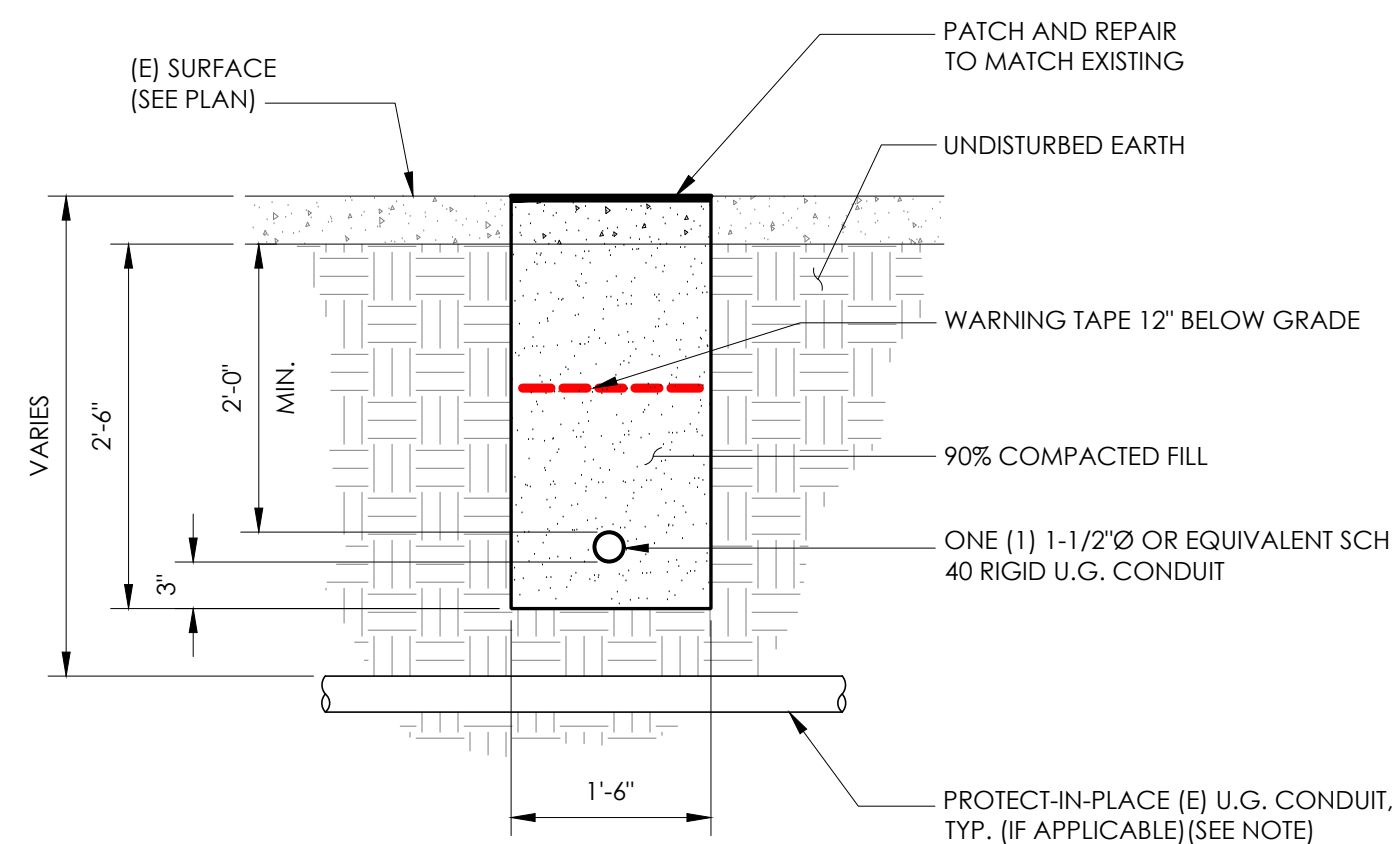


5 POWER SUPPLY DETAIL N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL N.T.S.

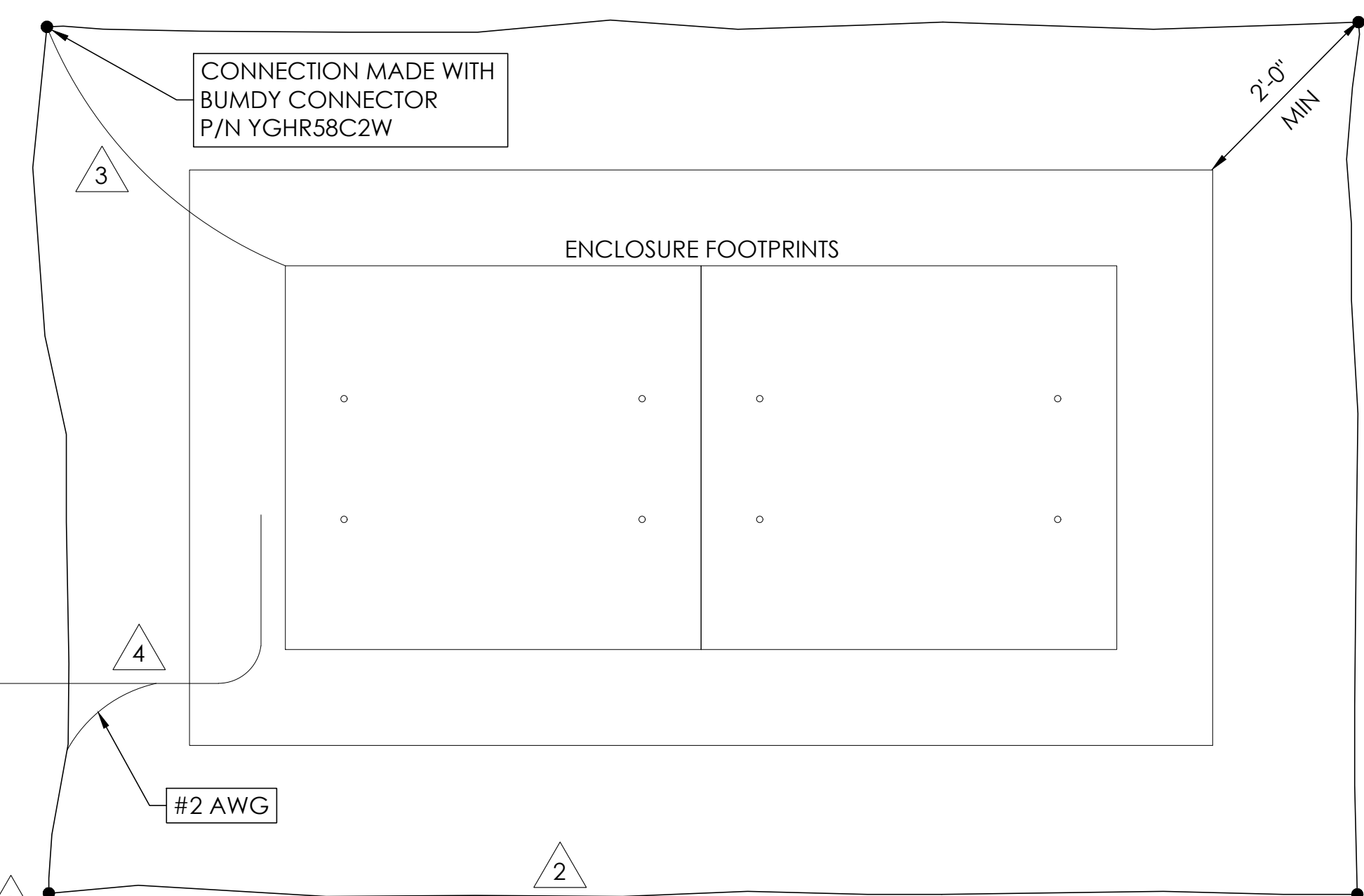
LIGHTNING PROTECTION (OPTIONAL)

- ⚠️ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- ⚠️ #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- ⚠️ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- ⚠️ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

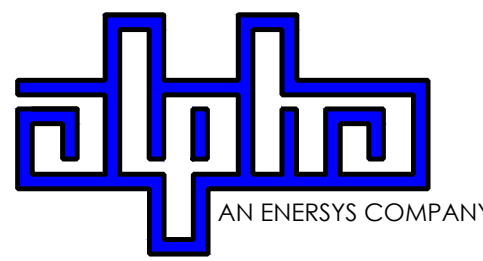
SERVICE GROUNDING (REQUIRED)
⚠️ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6' APART.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL N.T.S.



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CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



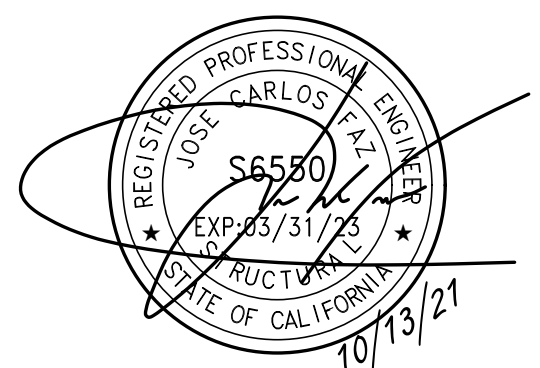
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058750

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCCH	DJW
3	10/13/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

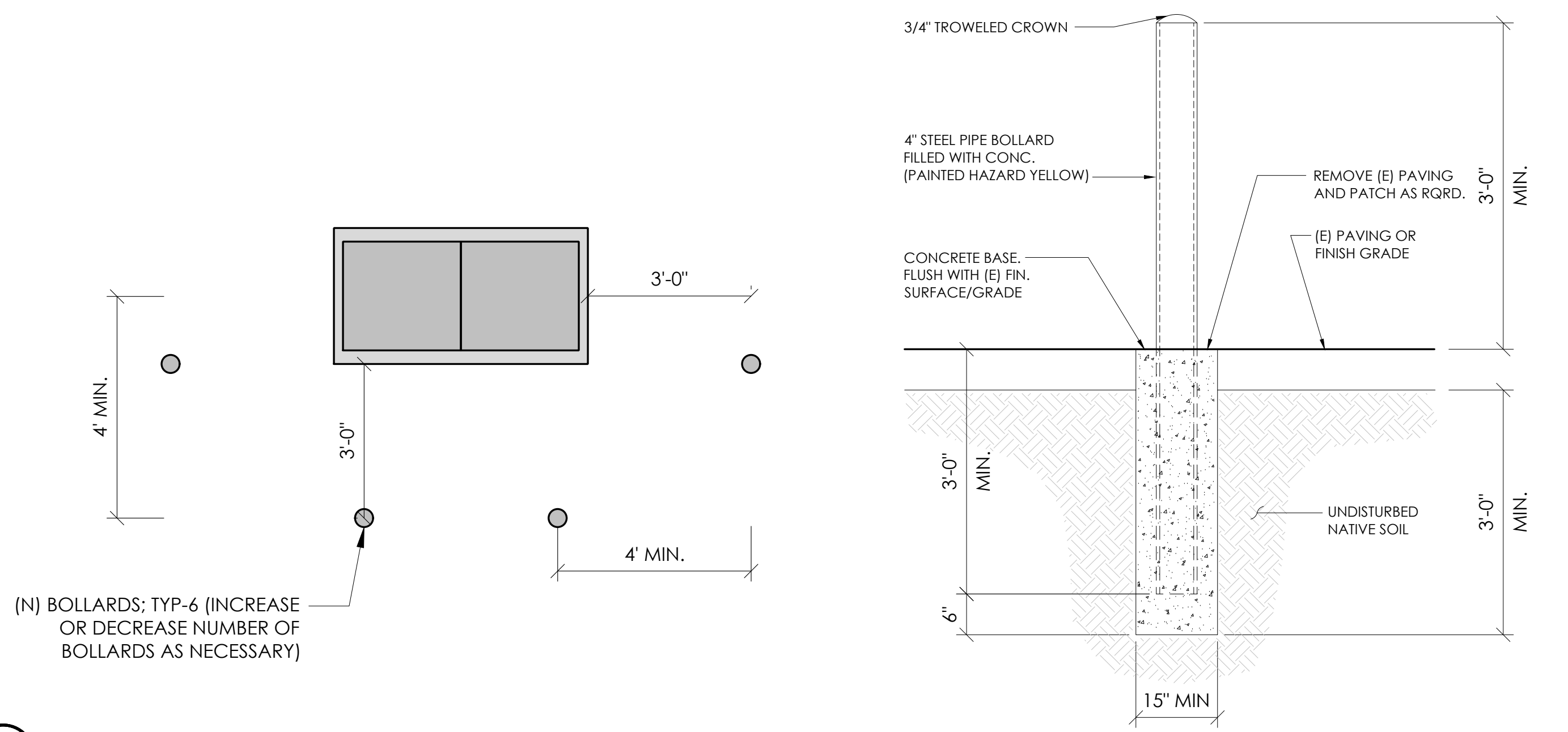
SITE ID:
ST120B_A

SITE ADDRESS:
1500 GLENWOOD,
SOUTH LAKE TAHOE, CA
96150

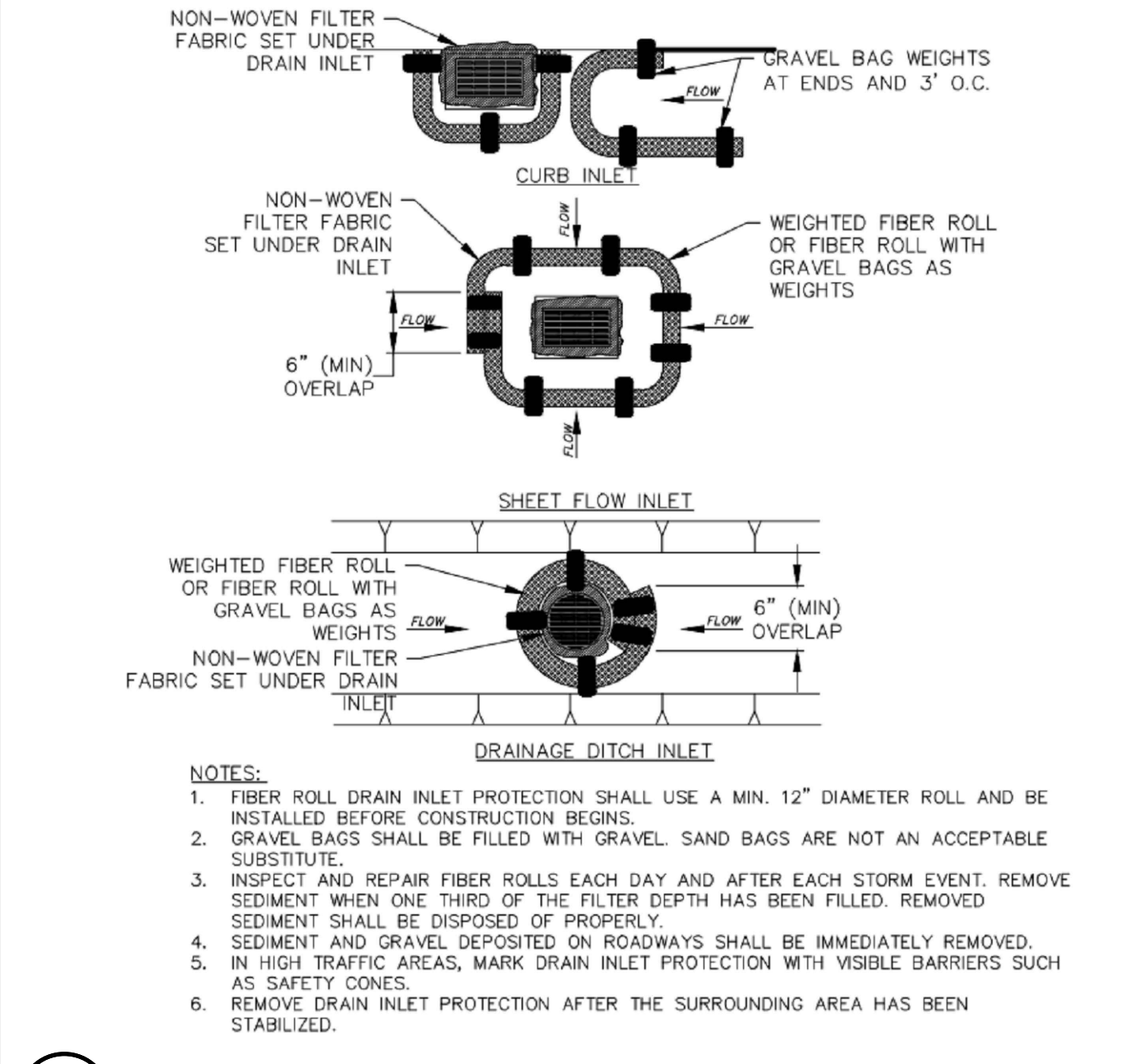
SHEET TITLE:

DETAILS

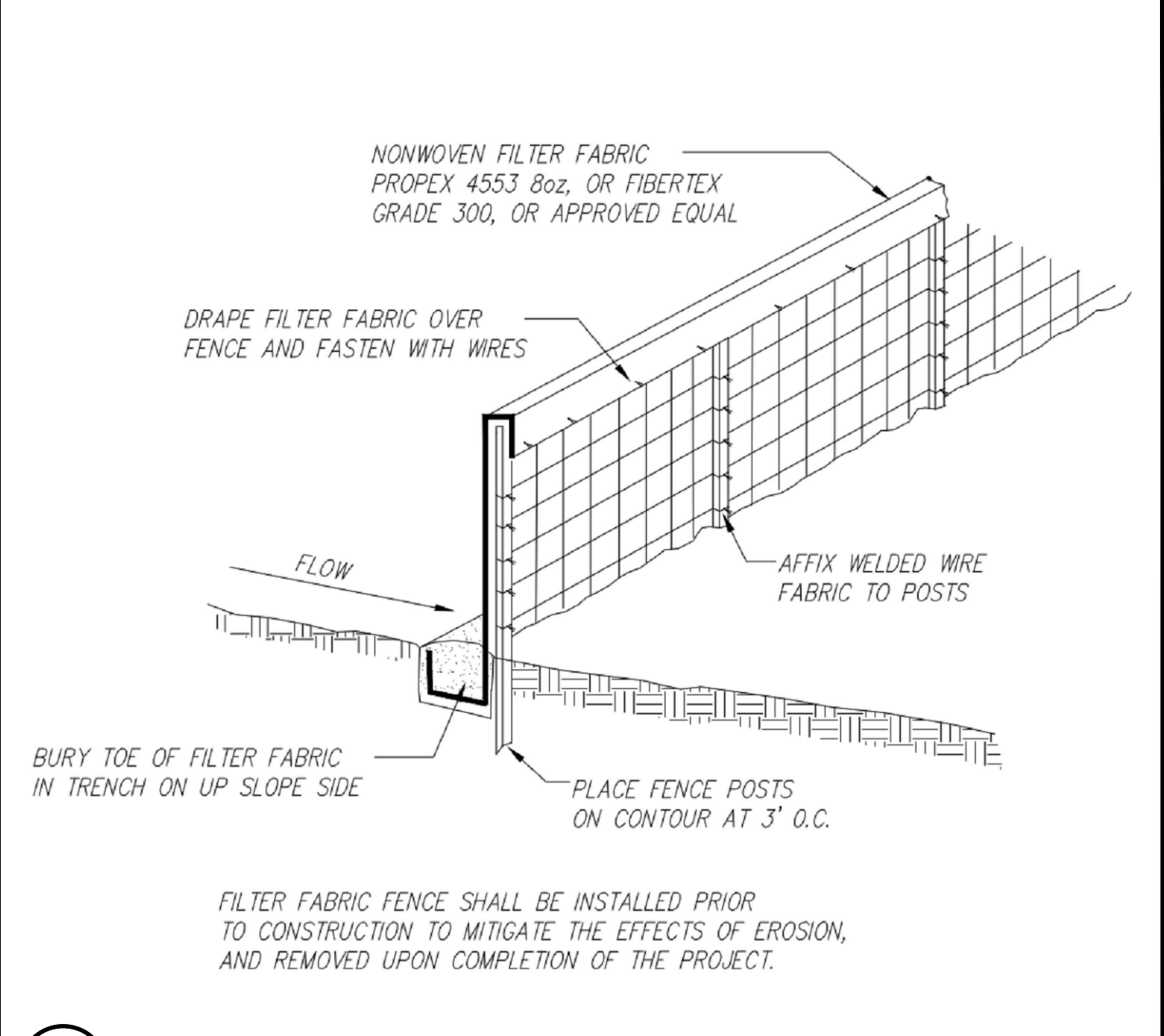
D1



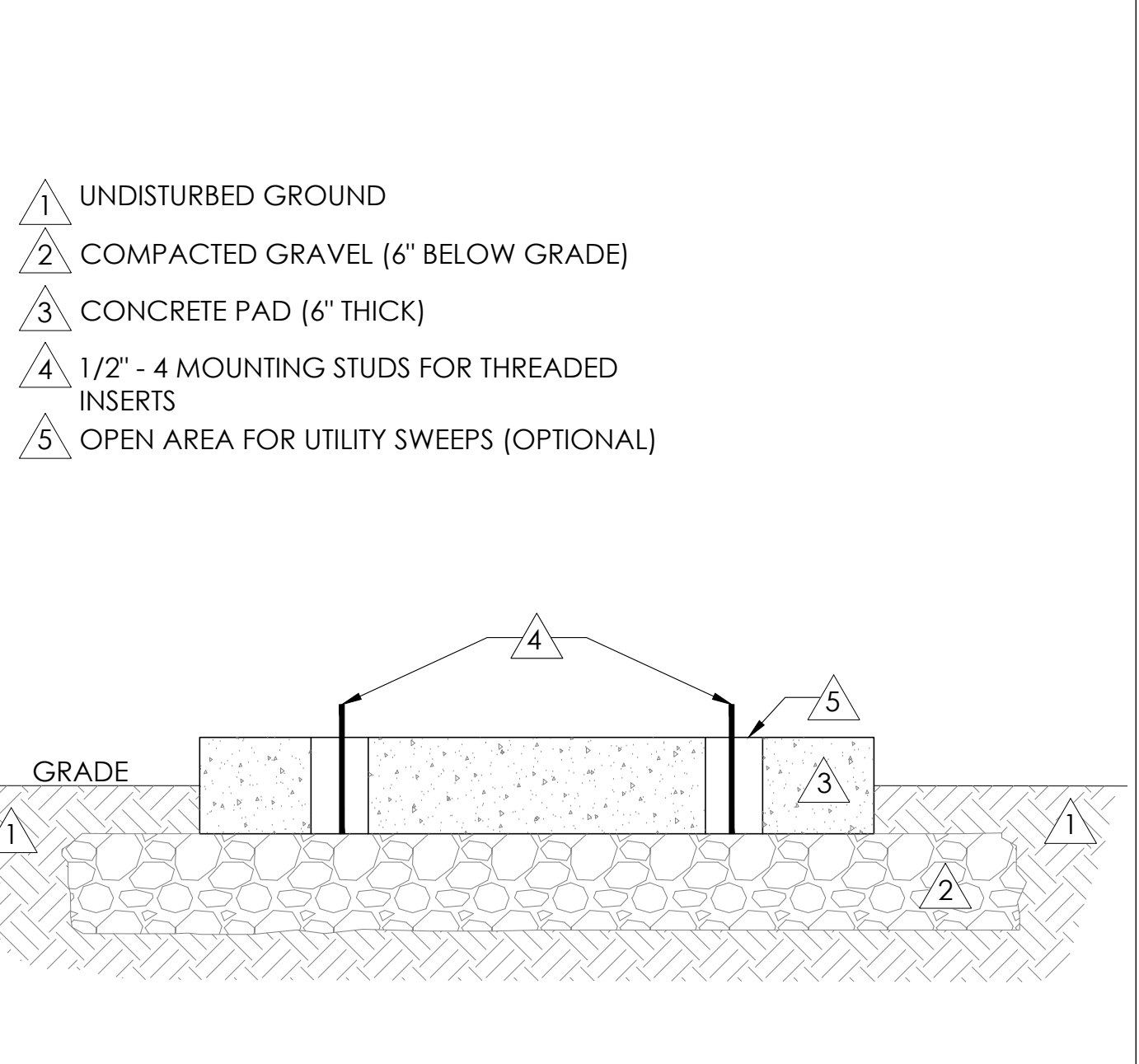
10 BOLLARD DETAIL
N.T.S.



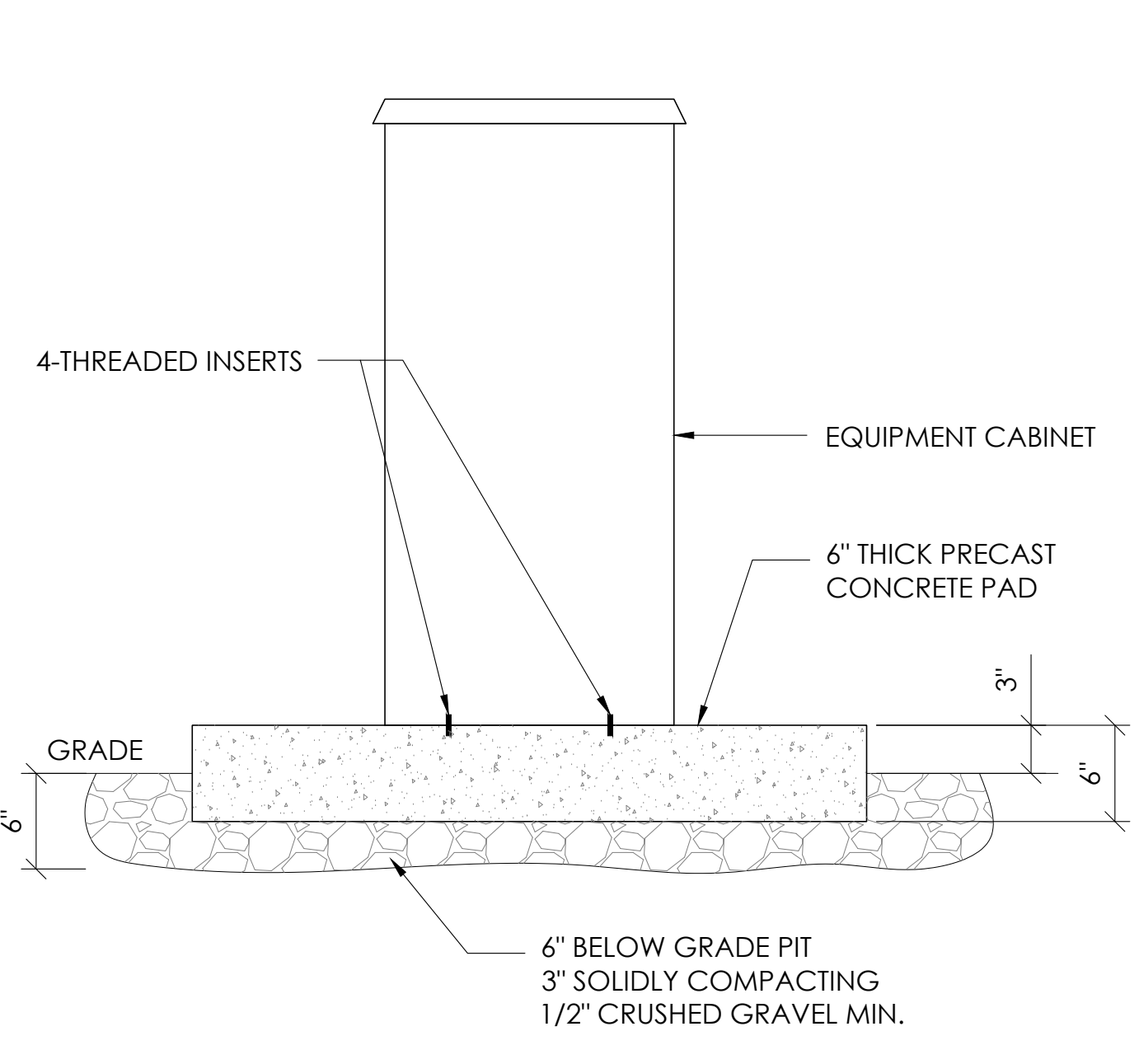
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



1 EROSION CONTROL FENCING
N.T.S.



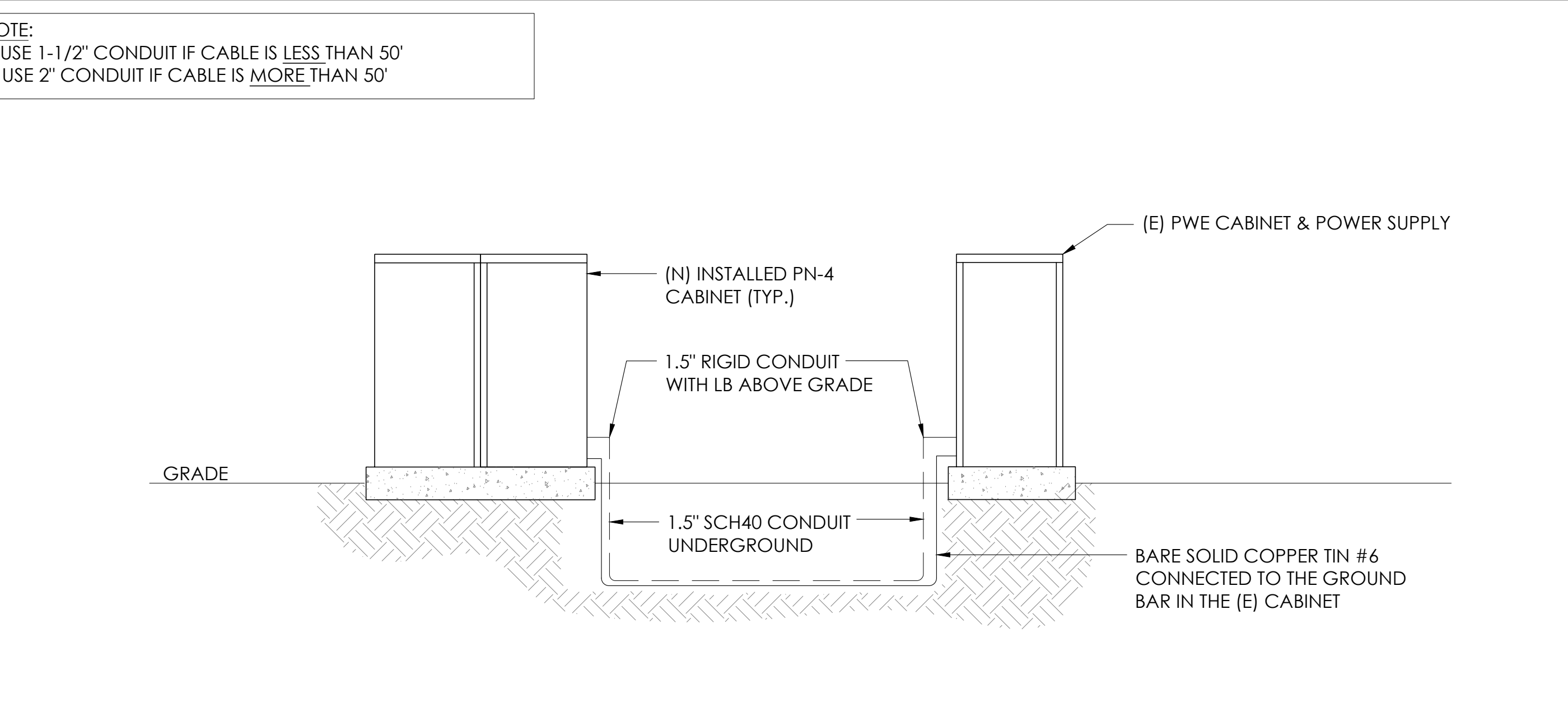
11 FOUNDATION BASE FOR PN4
N.T.S.



8 P4 CABINET INSTALLATION
N.T.S.



2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

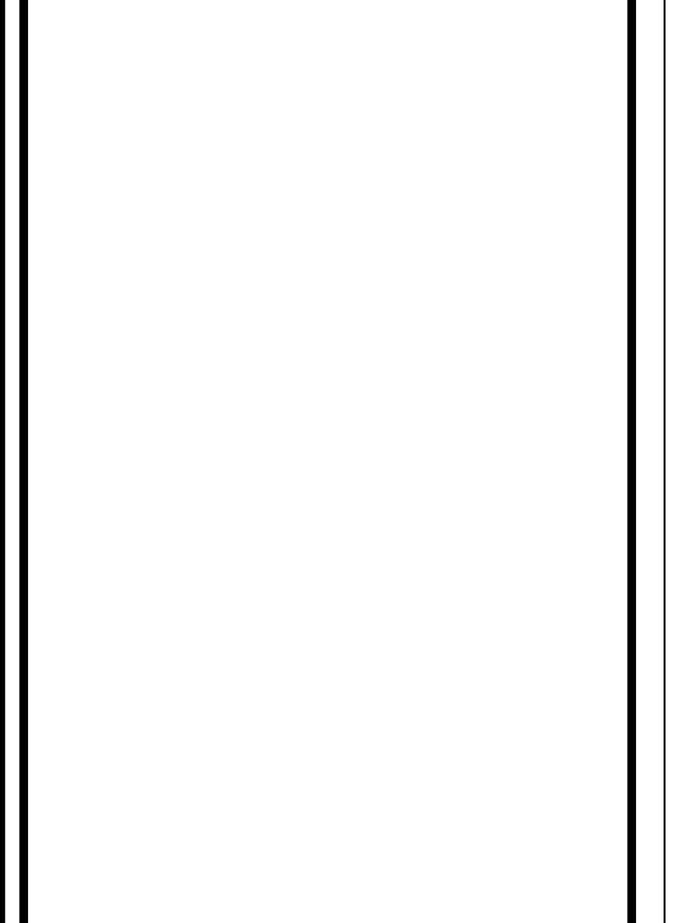
J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058750

ISSUE STATUS

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SEAL

SITE INFORMATION

SITE ID:
ST120B_A

SITE ADDRESS:
1500 GLENWOOD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

DETAILS

D2

TRAFFIC CONTROL FOR RIGHT HAND LANE CLOSURE AT NEAR SIDE OF INTERSECTION CLOSURE OF A MARKED OR UNMARKED CROSS WALK WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
7:00AM - 3:30PM



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058750

ISSUE STATUS

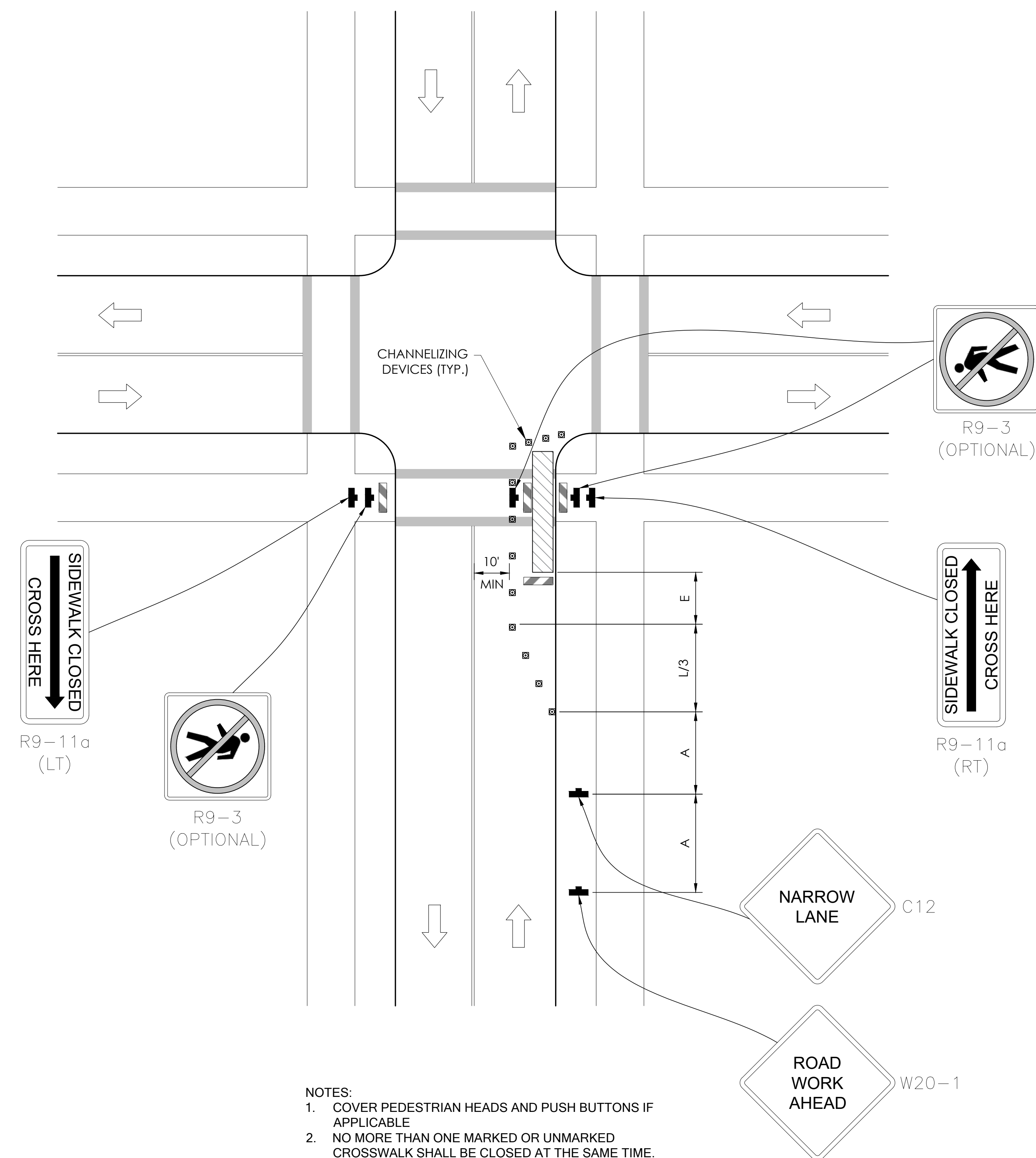
REV	DATE	DESCRIPTION	BY
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2	11/28/22	100% CD REV PER PCCH#1	DJW
3	10/13/23	SURVEY SHT / BOLLARD ADD	MZ

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ADJUTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGING TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)			MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					ft	ft	ft			
25	100	125	65	45	(155)	(160)	(135)	25	50	12
30	250	180	90	60	(200)	(205)	(215)	30	60	15
35	250	245	125	85	(250)	(260)	(275)	35	70	17
40	250	320	160	110	(305)	(315)	(335)	40	80	20
45	350	540	270	180	(360)	(380)	(400)	45	90	22
50	350	600	300	200	(425)	(450)	(475)	50	100	25
55	500	660	330	220	(495)	(520)	(555)	50	100	25
60	500	720	360	240	(570)	(600)	(640)	50	100	25
65	500	780	390	260	(645)	(685)	(730)	50	100	25

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)



- NOTES:**
1. COVER PEDESTRIAN HEADS AND PUSH BUTTONS IF APPLICABLE
 2. NO MORE THAN ONE MARKED OR UNMARKED CROSSWALK SHALL BE CLOSED AT THE SAME TIME.

SEAL

SITE INFORMATION

SITE ID:
ST120B_A

SITE ADDRESS:
1500 GLENWOOD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST124A_

SITE ADDRESS: 1807 VENICE DR, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	1807 VENICE DR SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.93009345, -120.0222454
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	90
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	9
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	PROPOSED COVERAGE (CLASS 6) = 12 SF
CUT/FILL VOLUME:	0.7 C.Y

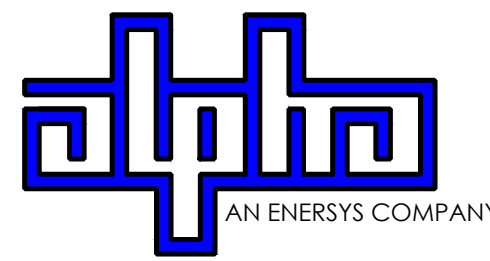
2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069690

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	BN
0	12/27/21	100% CD	BN
1	07/28/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	10/05/23	100% CD REVISION	JG

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

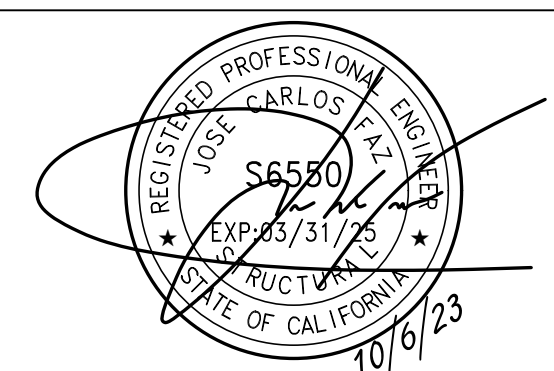
- | | |
|---|---|
| 1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020. | PART 8 - CALIFORNIA HISTORICAL BUILDING CODE |
| PART 1 - CALIFORNIA ADMINISTRATIVE CODE | PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE |
| PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE | PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE |
| PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE | PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN) |
| PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE | PART 12 - CALIFORNIA REFERENCED STANDARDS CODE |
| PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE | 2. ANSITIA-222 (REV H) |
| PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE | 3. 2018 NFPA 101, LIFE SAFETY CODE |
| PART 6 - CALIFORNIA ENERGY CODE | 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE |
| PART 7 - VACANT | 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS |

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

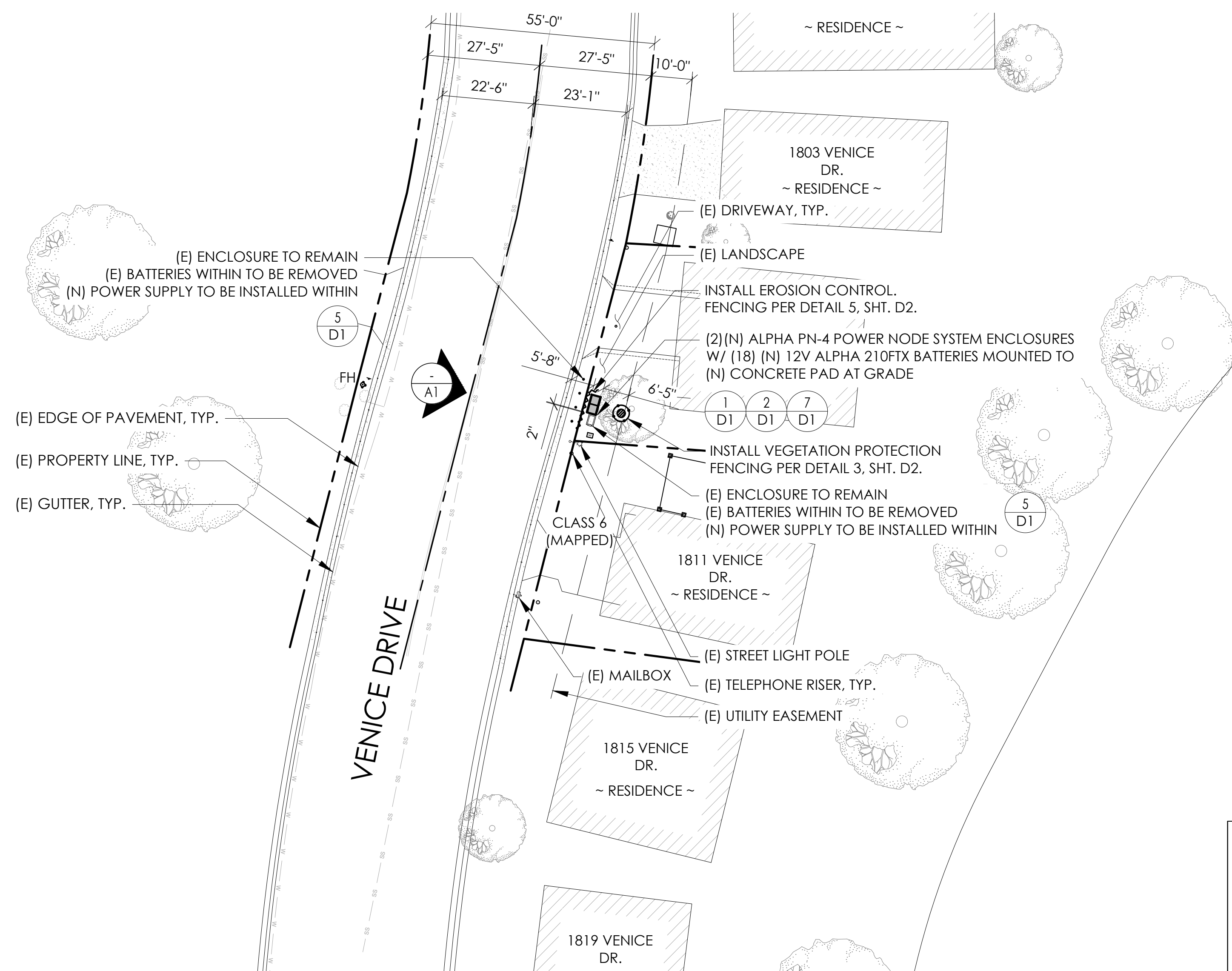
SITE ID: ST124A_

SITE ADDRESS: 1807 VENICE DR, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

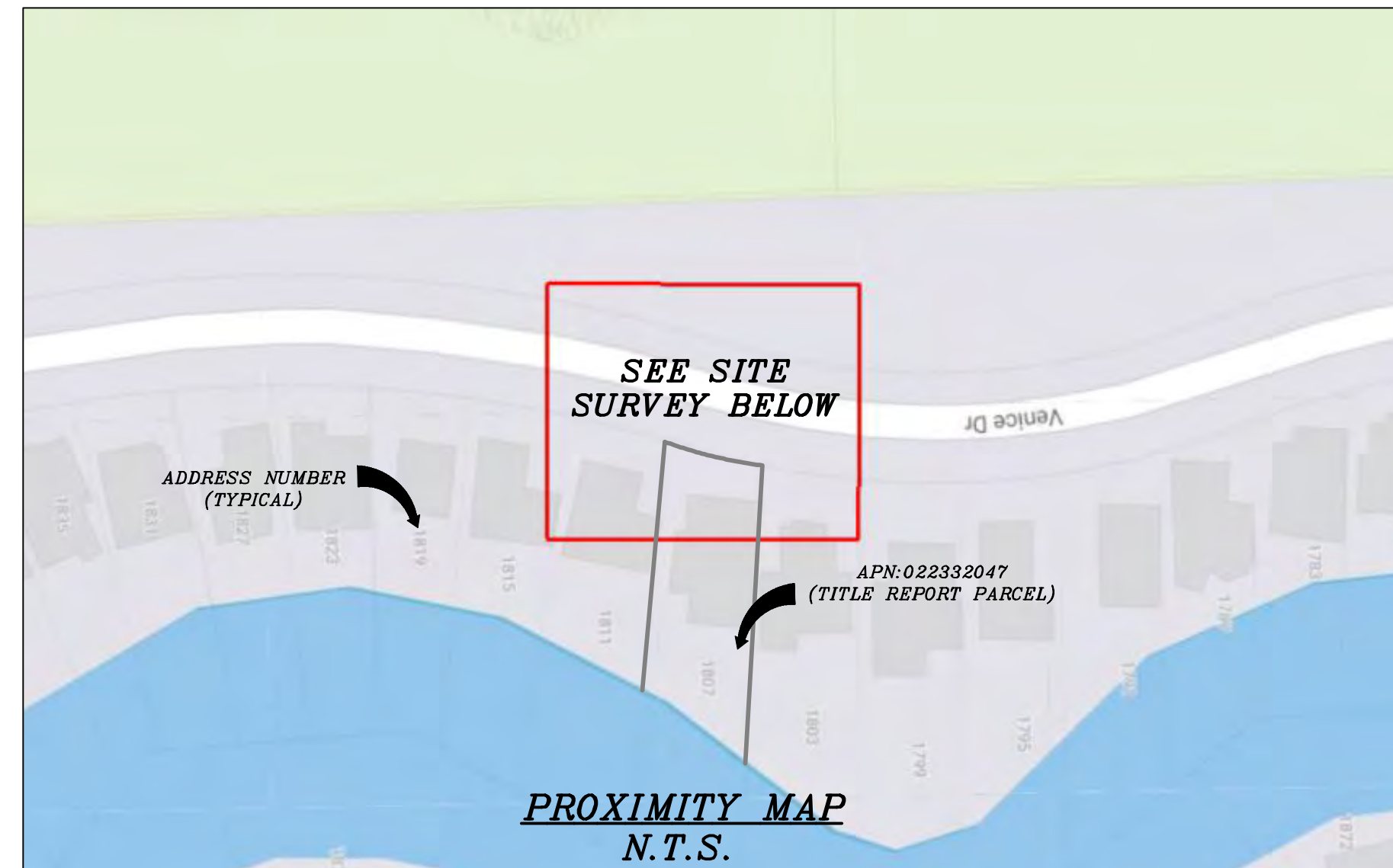
T1



(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



SITE PLAN



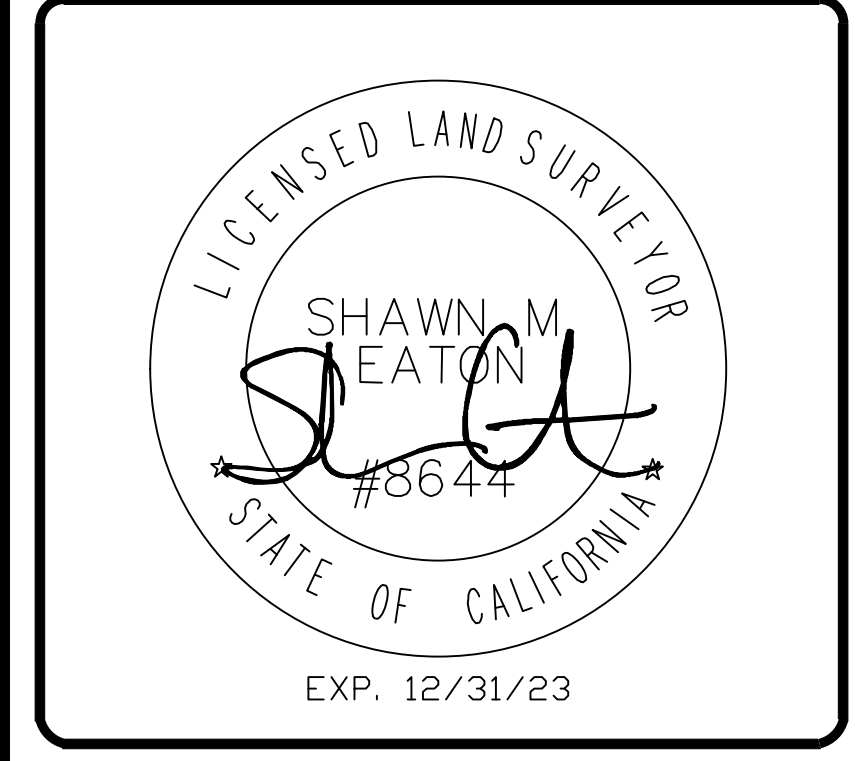
CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

Eaton Land Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/27/23	SUBMITTAL



PROJECT INFORMATION:
ST124A
1807 VENICE DR.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
8/27/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

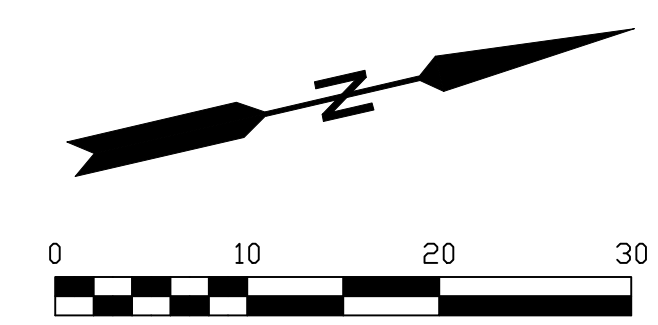
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

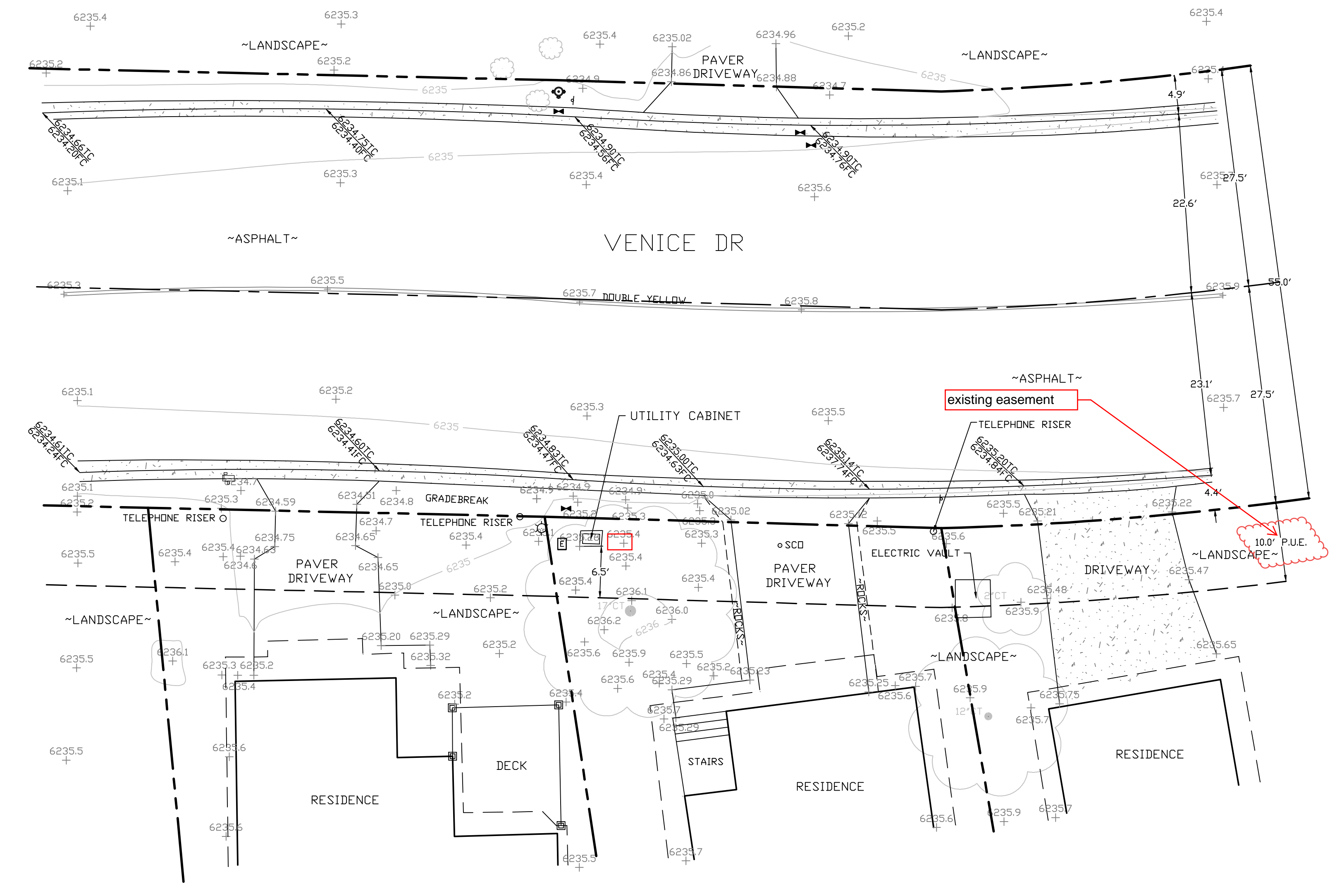
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK E PAGE(S) 68 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 022-332-047-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032355 DATED 08/31/2023;



- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - LAMPPOST

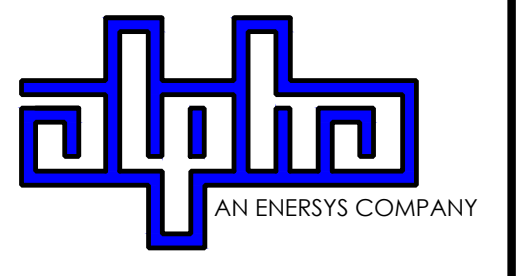


SITE SURVEY
SCALE 1"=10'





9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



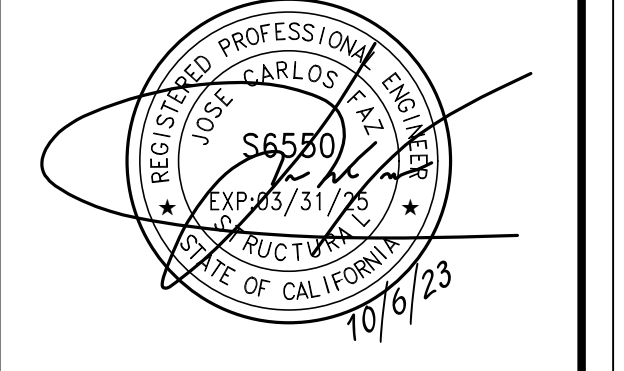
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069690

ISSUE STATUS

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3	05/25/23	100% CD REV PER PPC#1	JG
4	10/05/23	100% CD REVISION	JG

SEAL



SITE INFORMATION

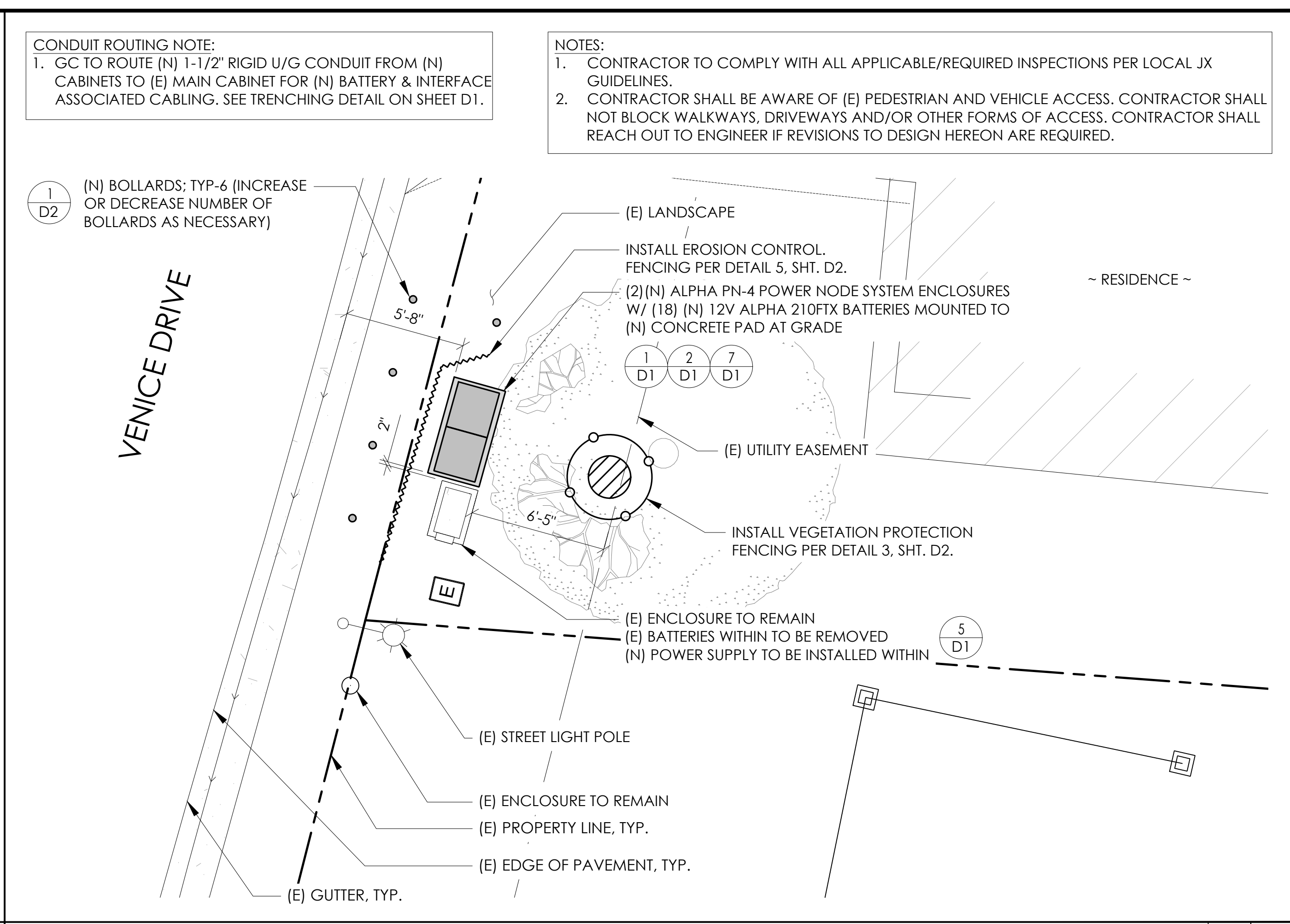
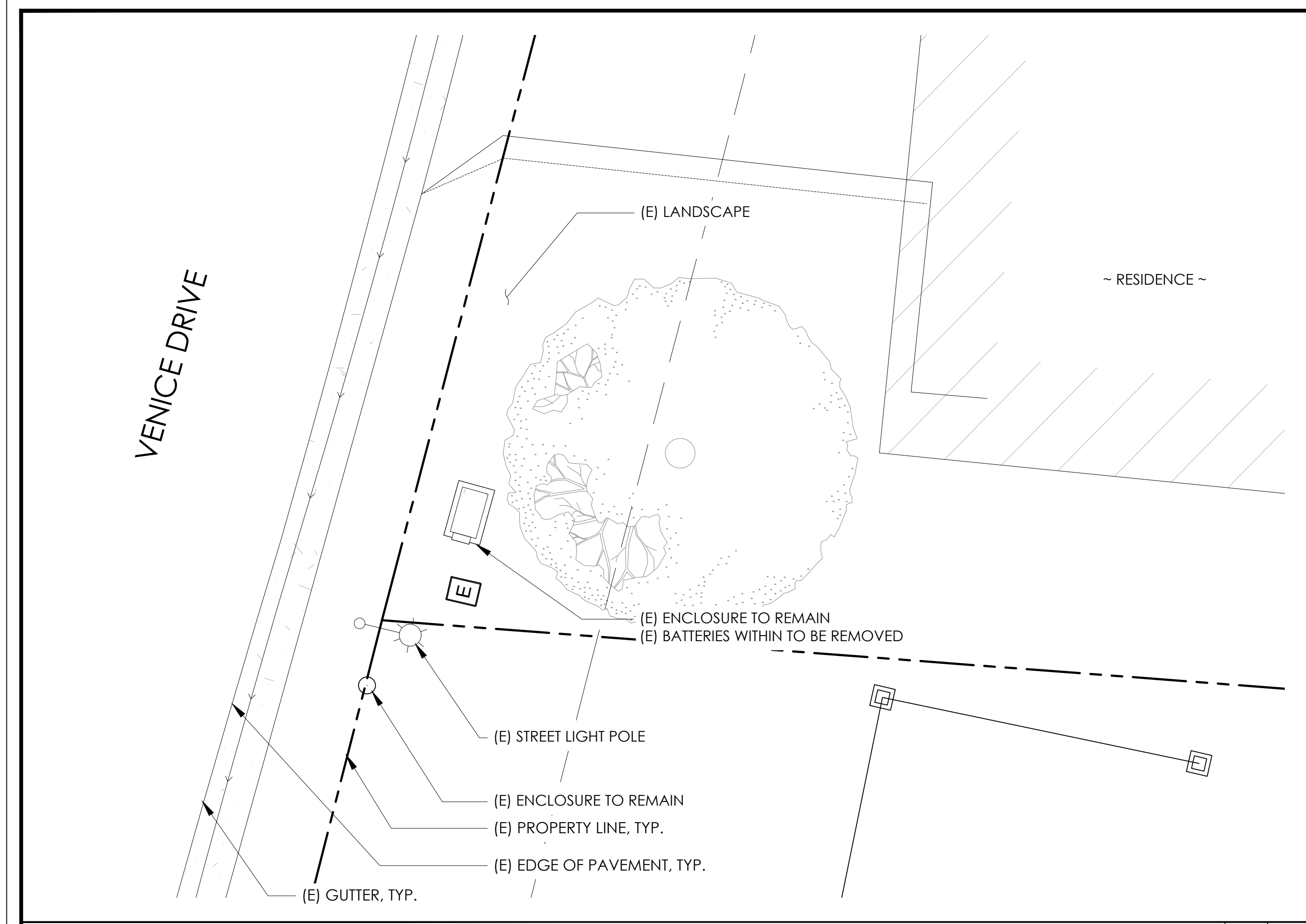
SITE ID:
ST124A_

SITE ADDRESS:
1807 VENICE DR,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

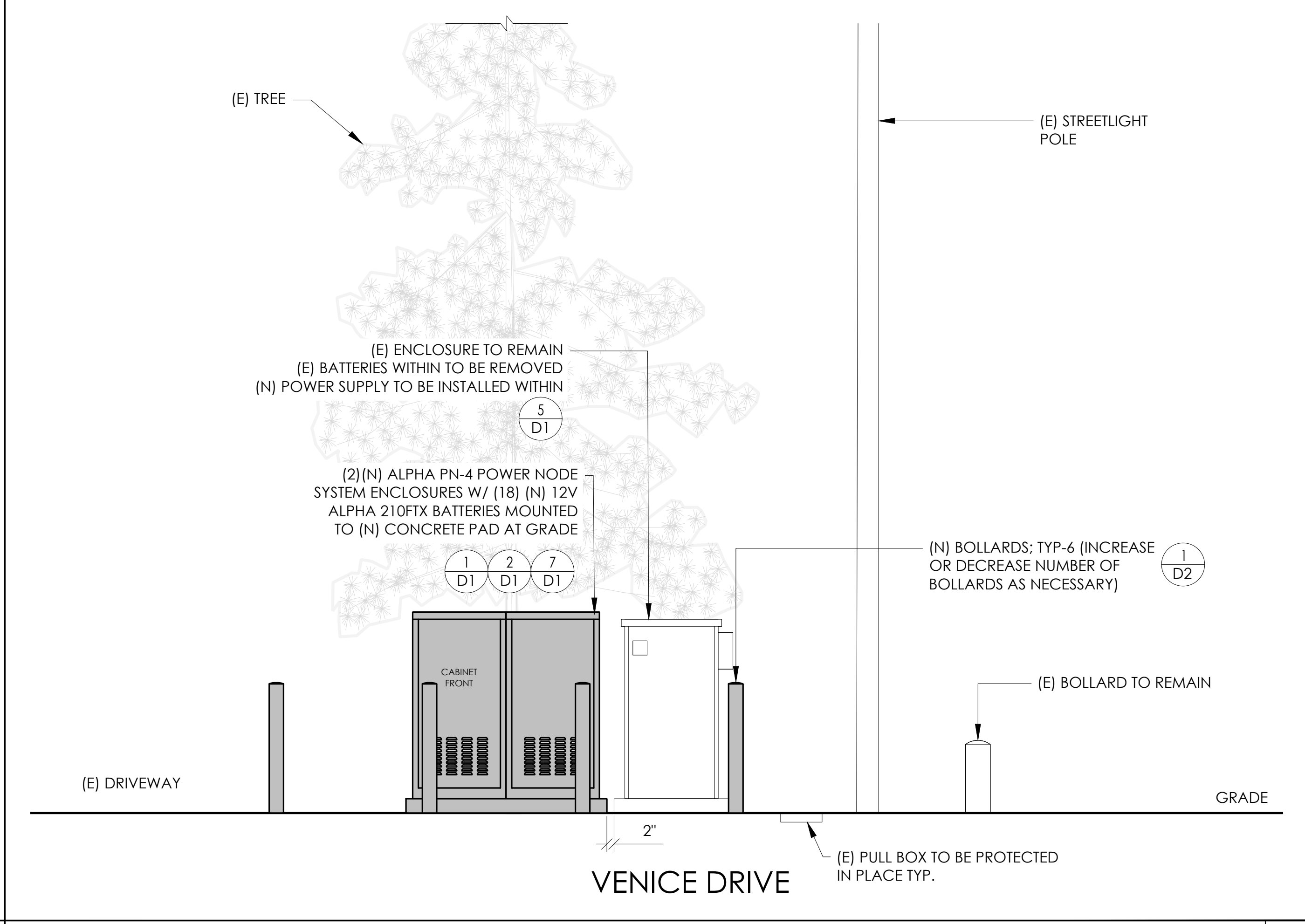
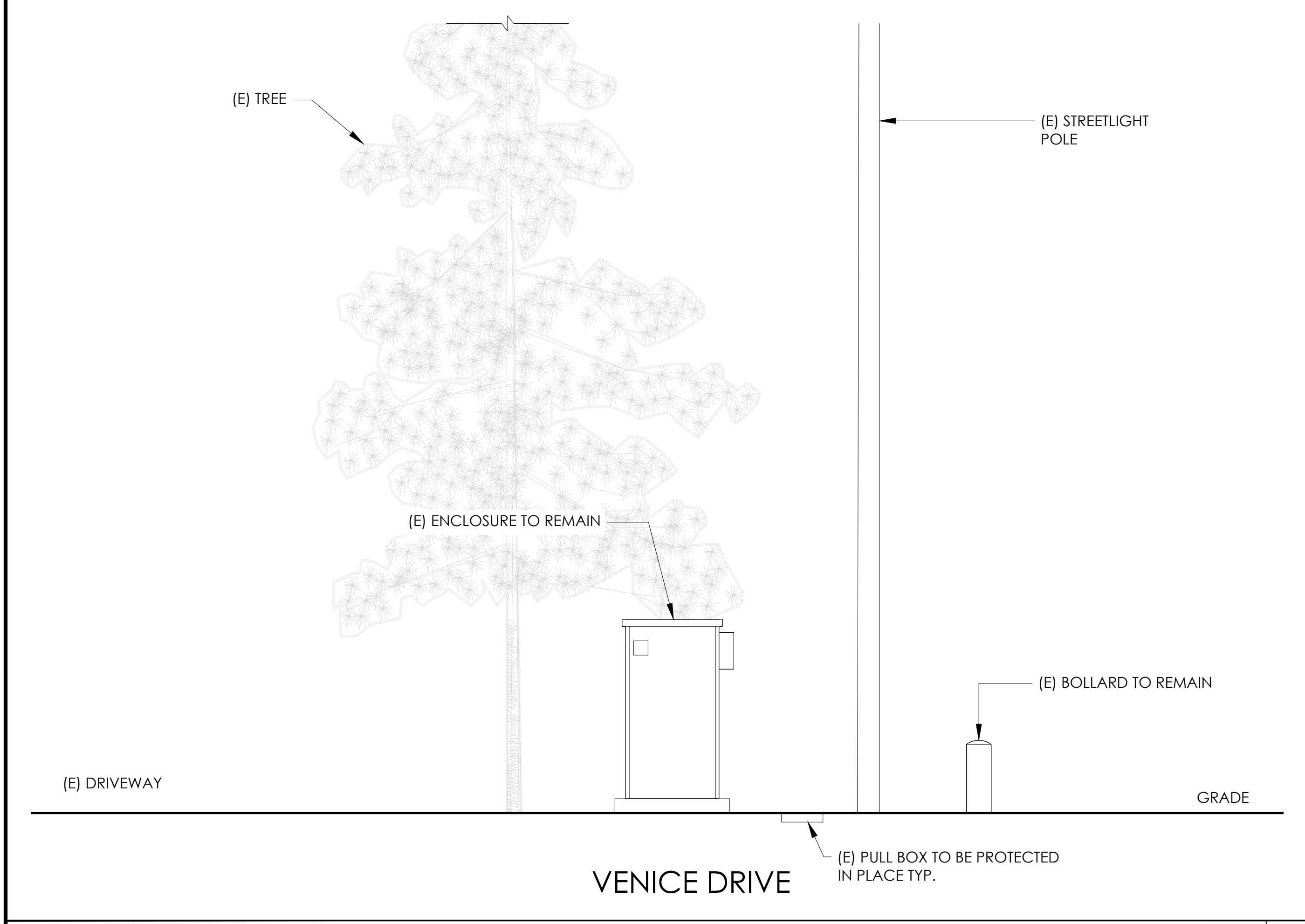
ELEVATIONS

A1



EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 1

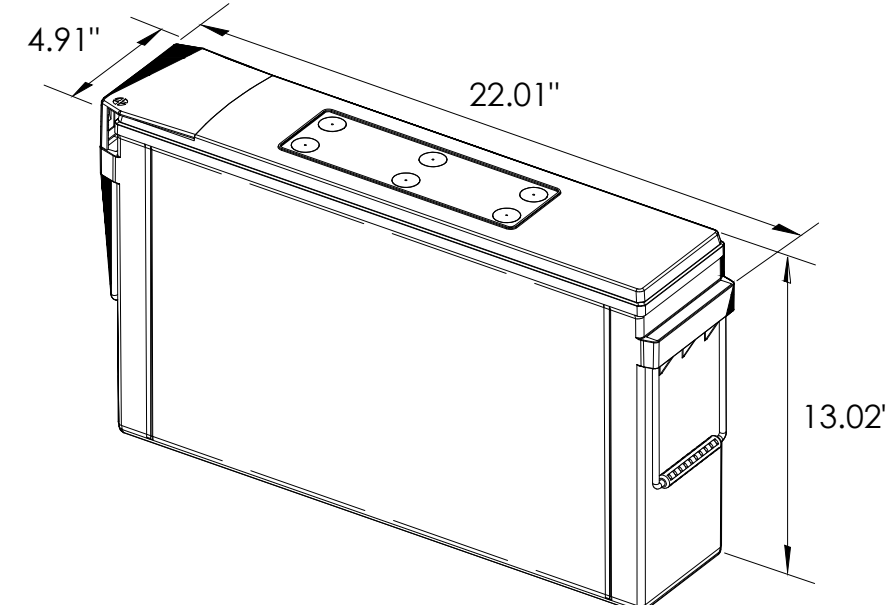


EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 1



ALPHA
210 FX BATTERY UNIT

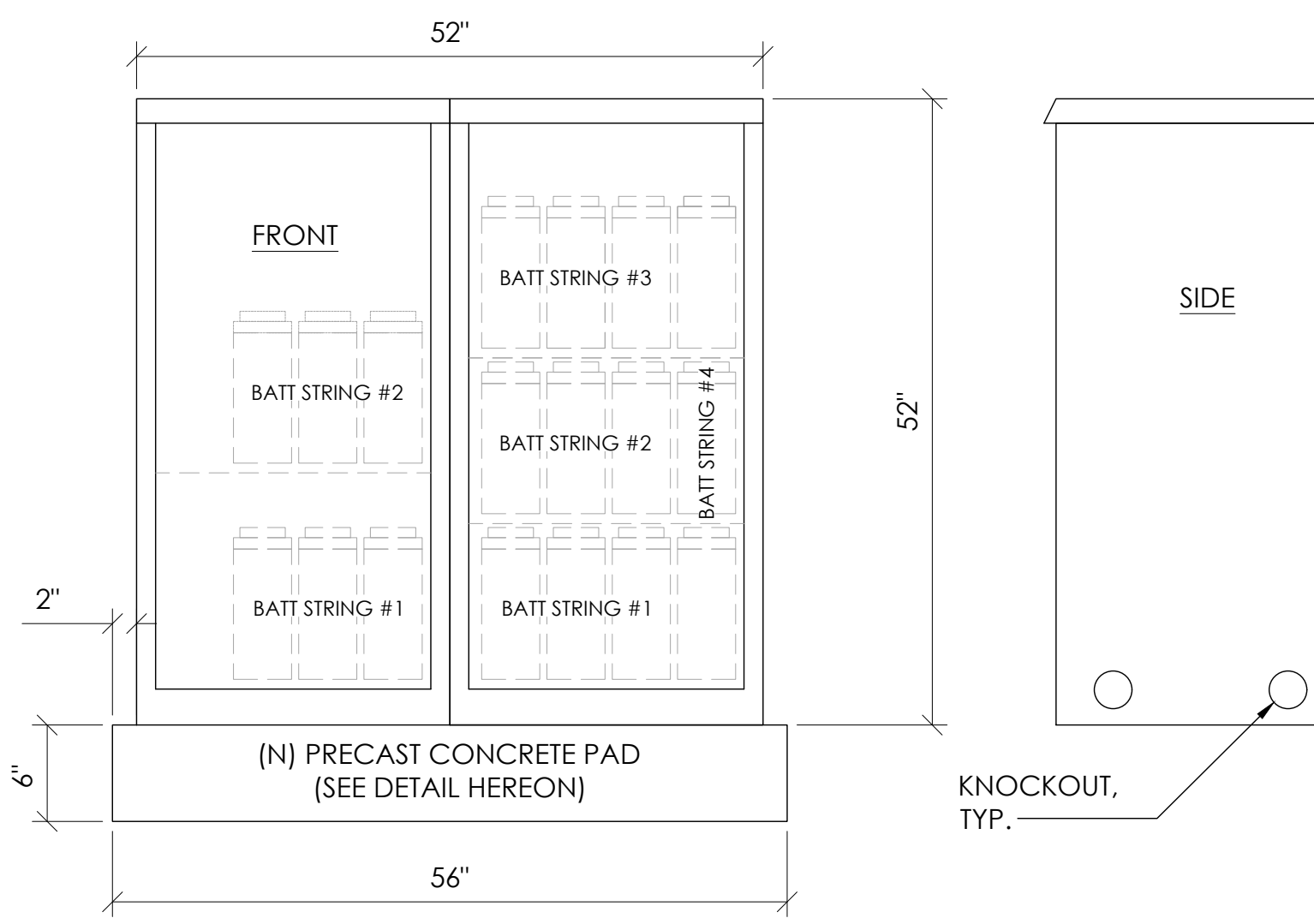


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

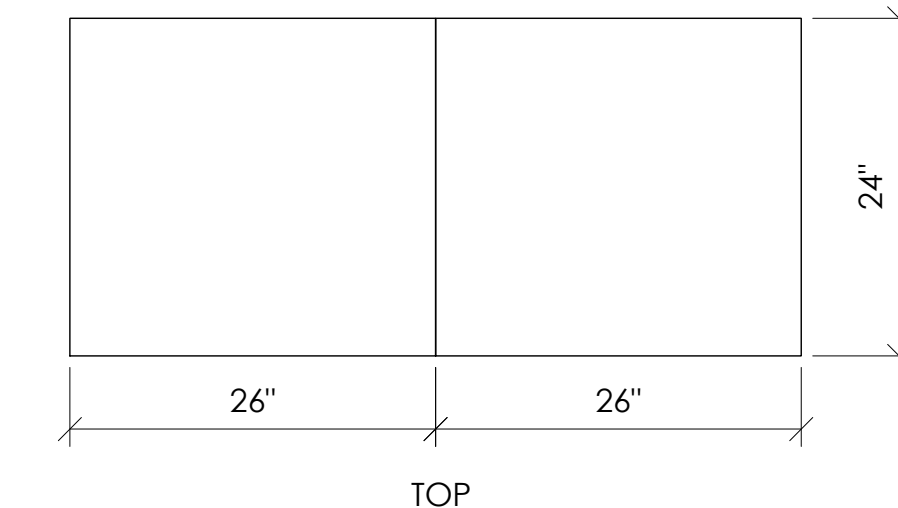
7 BATTERY SPECIFICATIONS
N.T.S.



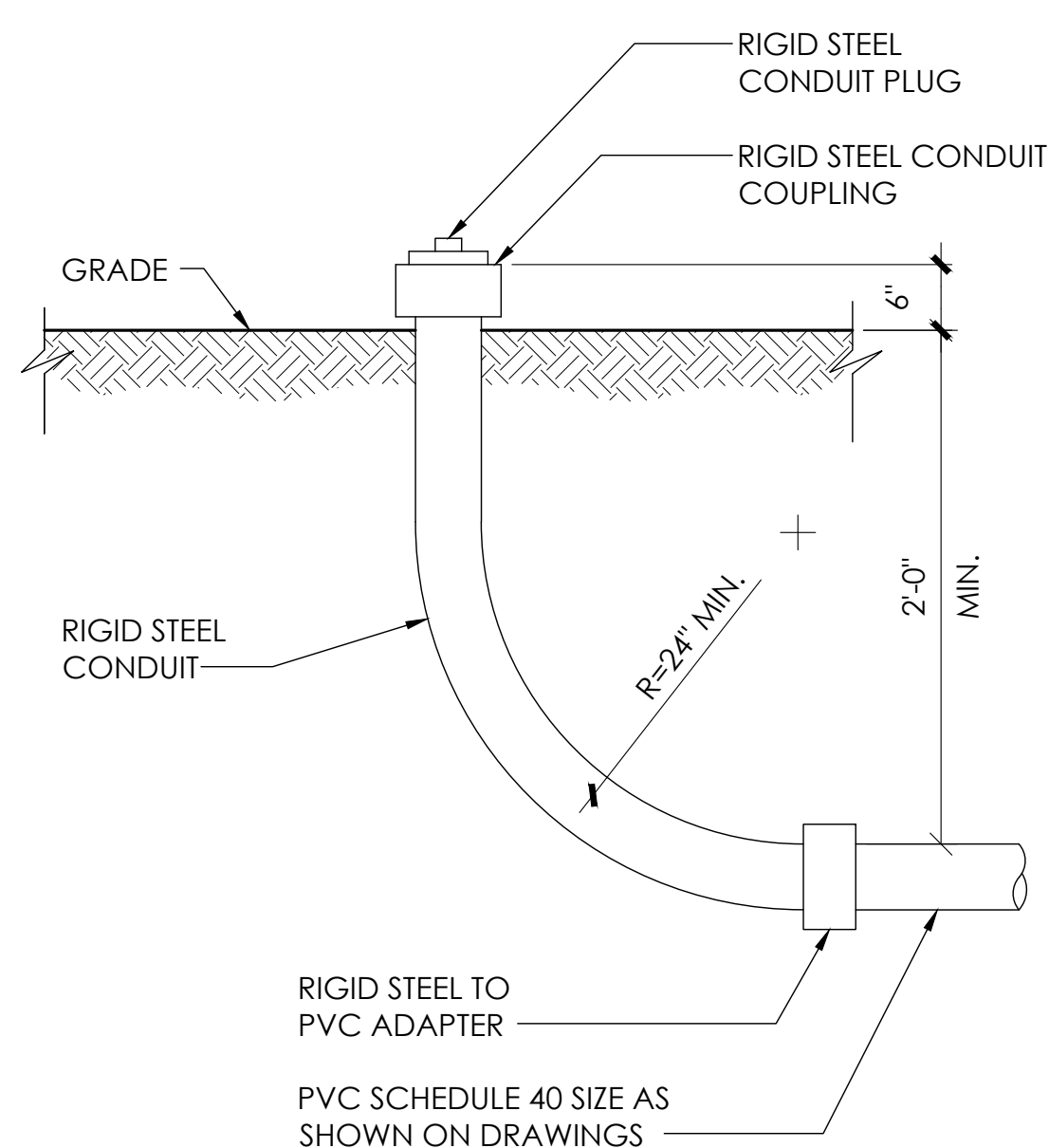
CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



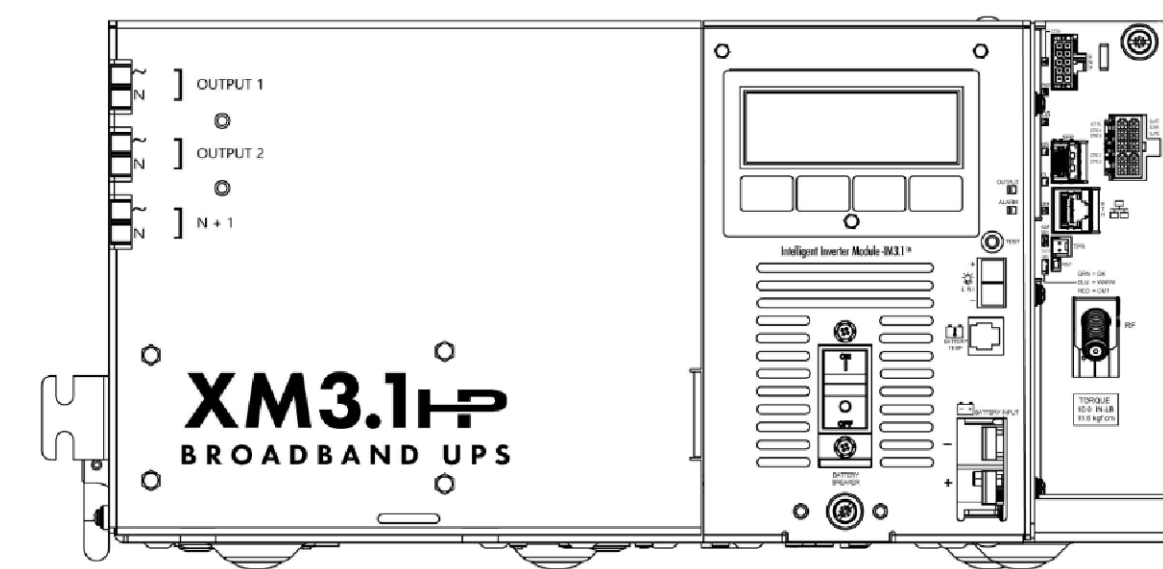
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

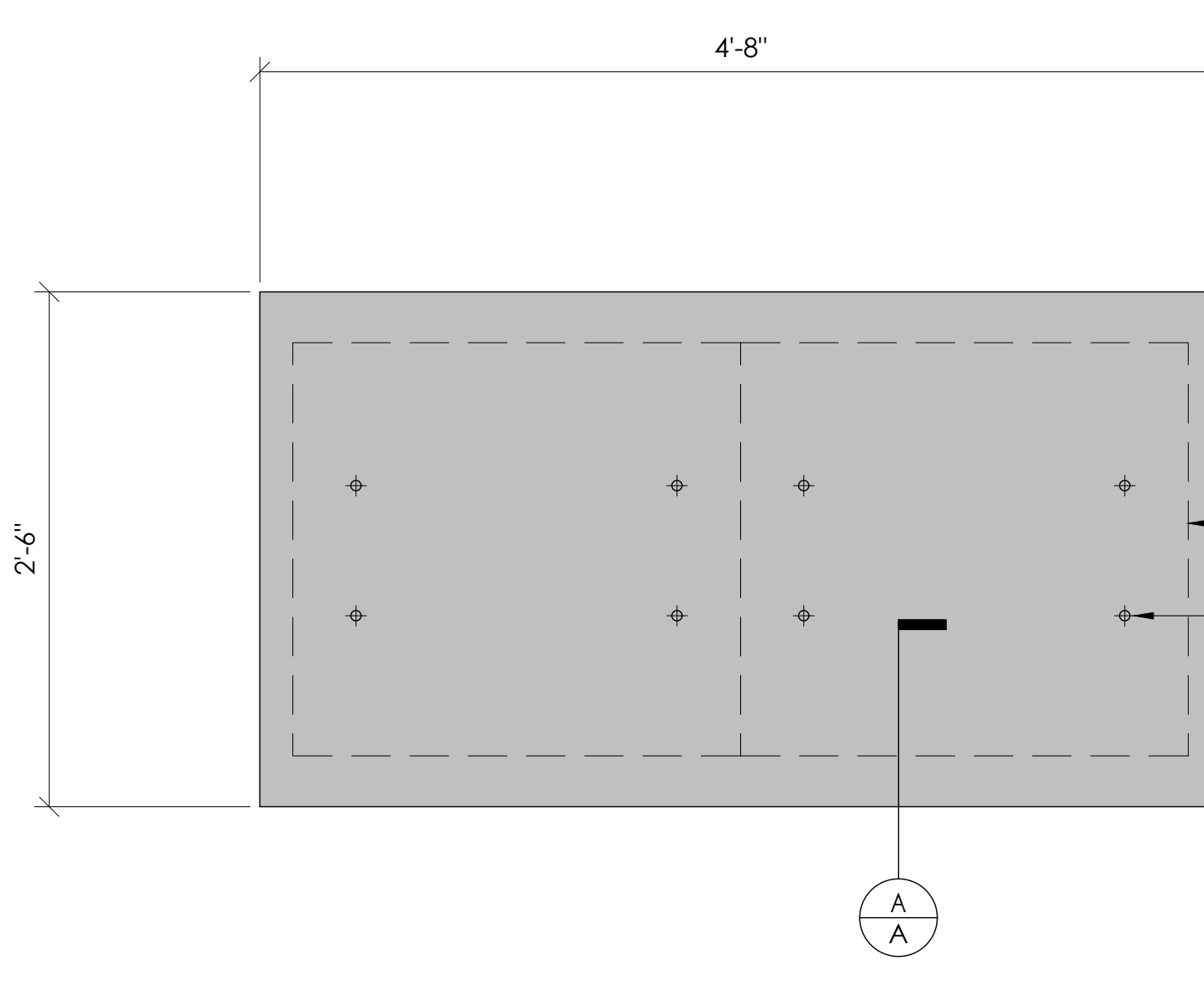
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

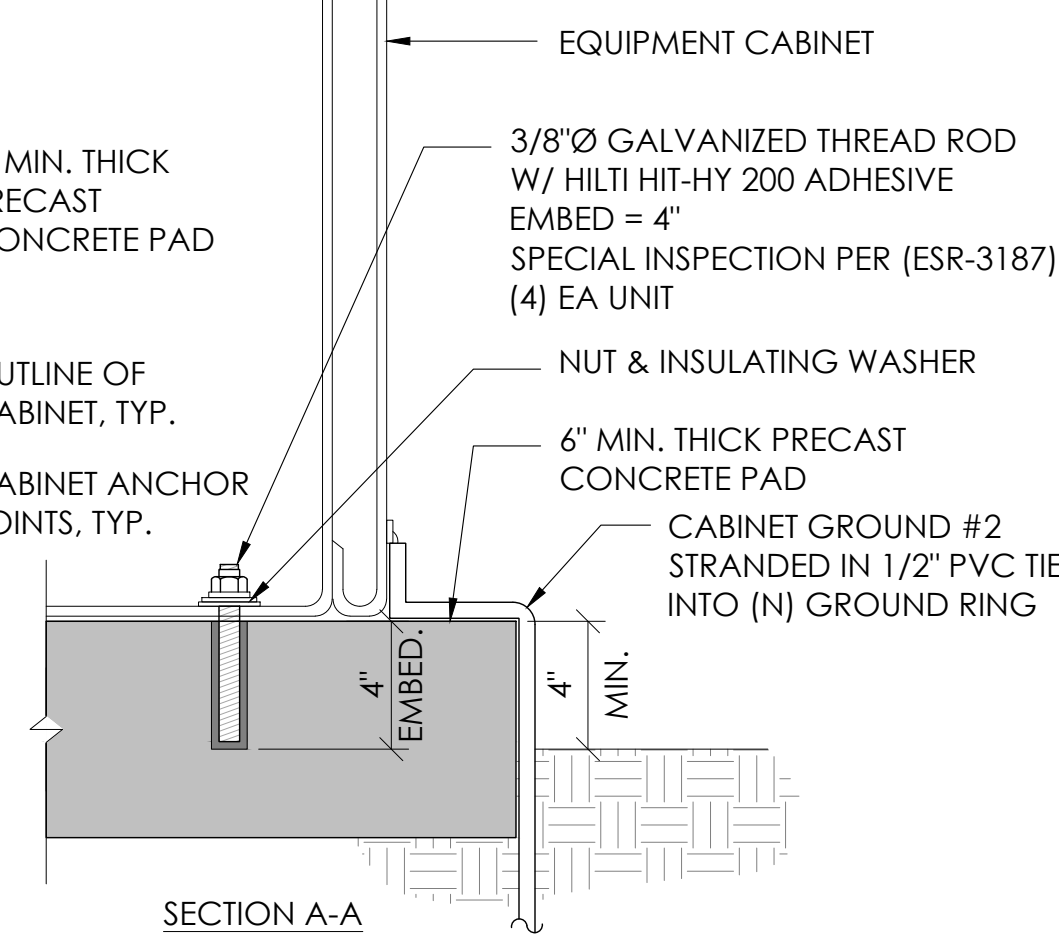
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS



5 POWER SUPPLY DETAIL
N.T.S.

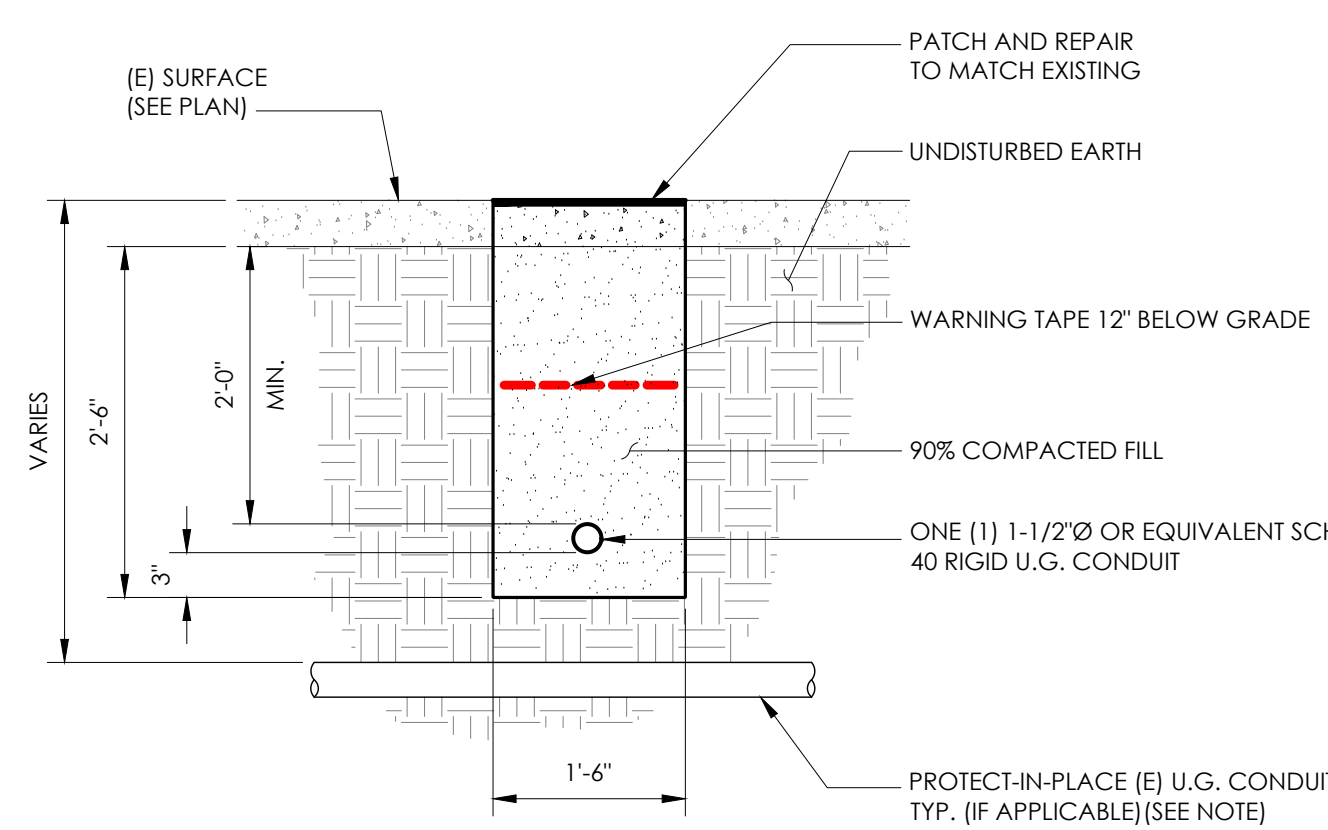


PLACE CONCRETE PAD MINIMUM 2" FROM NEARBY CONCRETE PAD(S)



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.

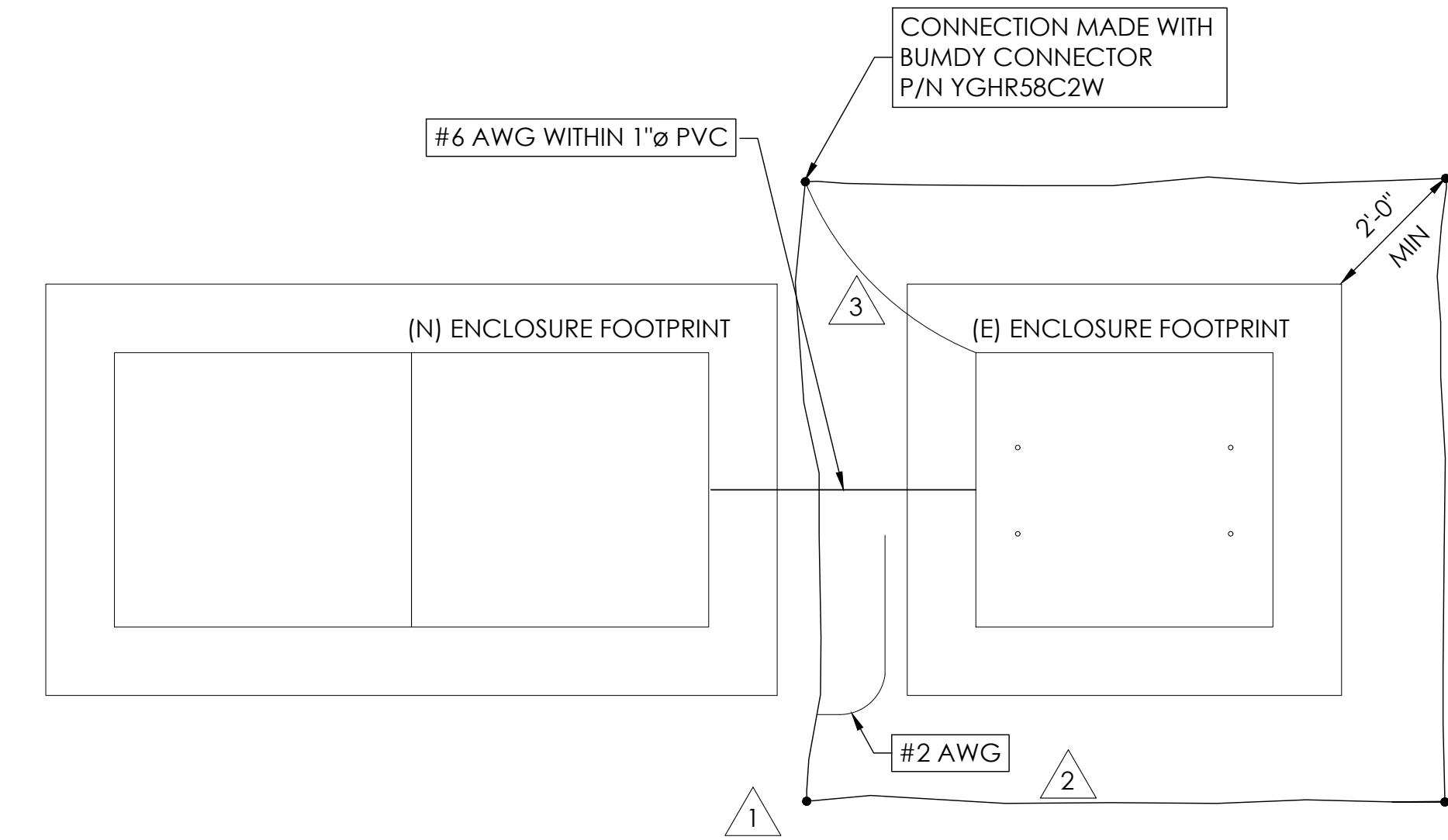


6 TRENCHING DETAIL
N.T.S.

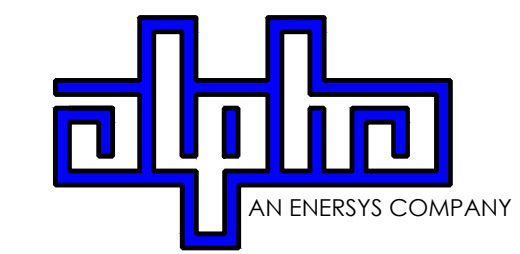
- LIGHTNING PROTECTION (OPTIONAL)**
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
 - #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
 - #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
 - WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.
- SERVICE GROUNDING (REQUIRED)**
- #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND. INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



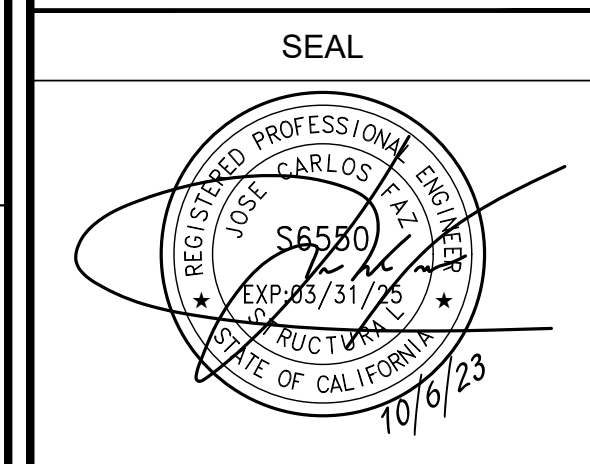
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069690

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SITE INFORMATION

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ST124A

SITE ADDRESS:
1807 VENICE DR,
SOUTH LAKE TAHOE,
CA 96150

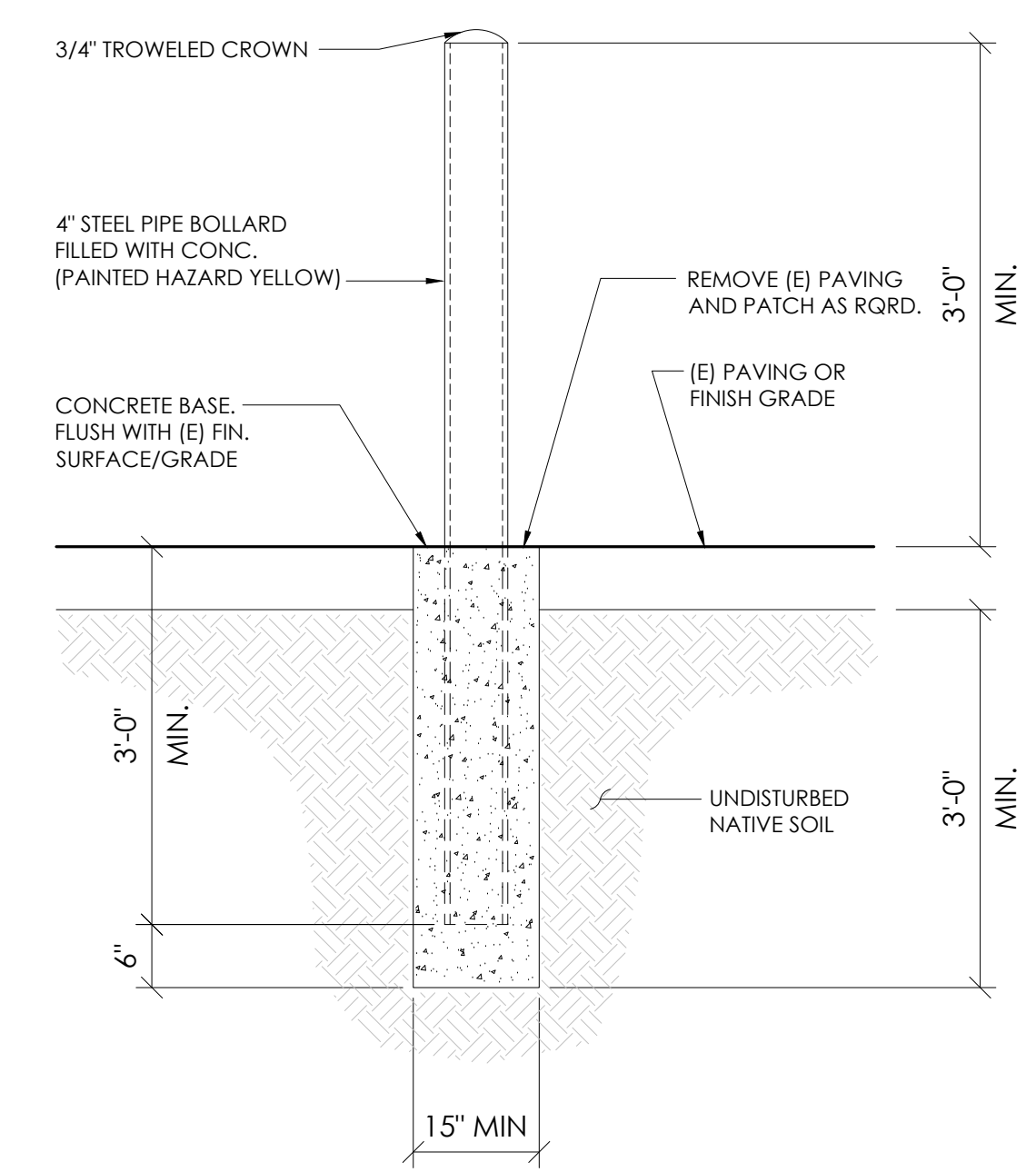
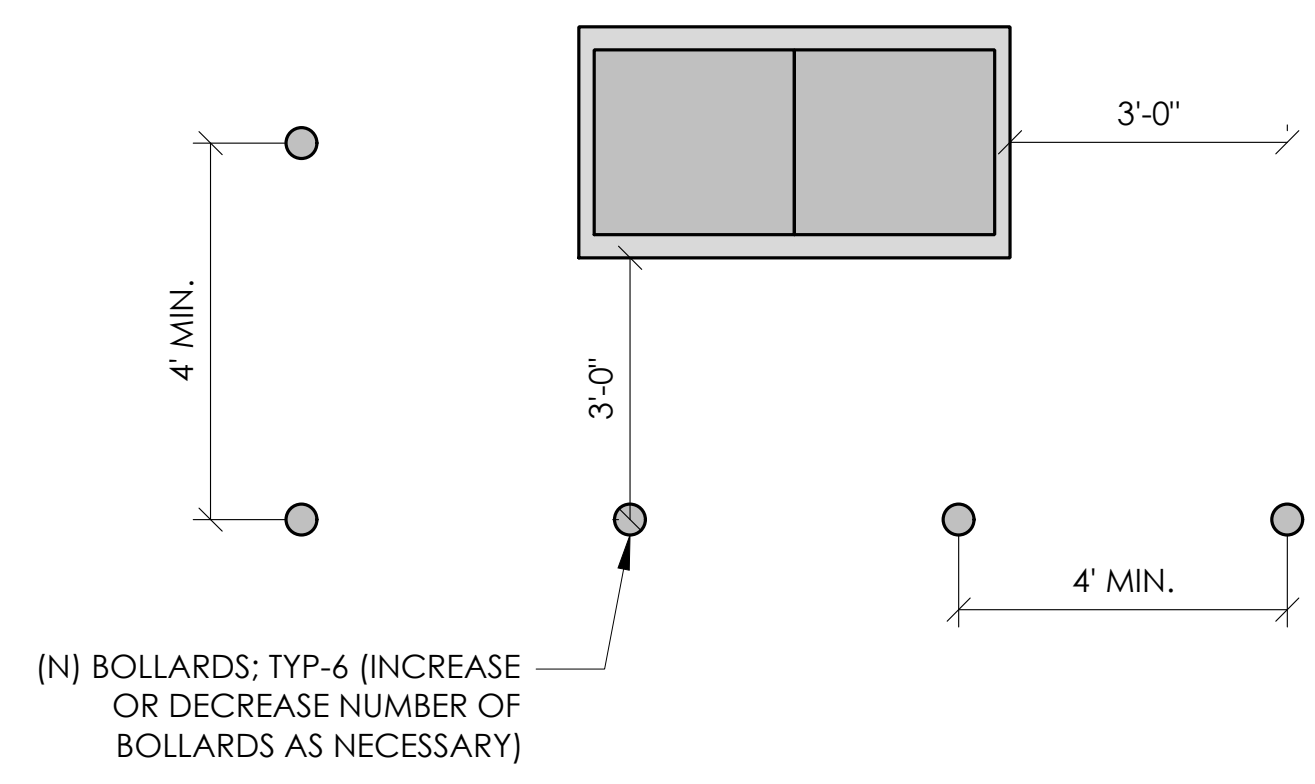
SHEET TITLE:
DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

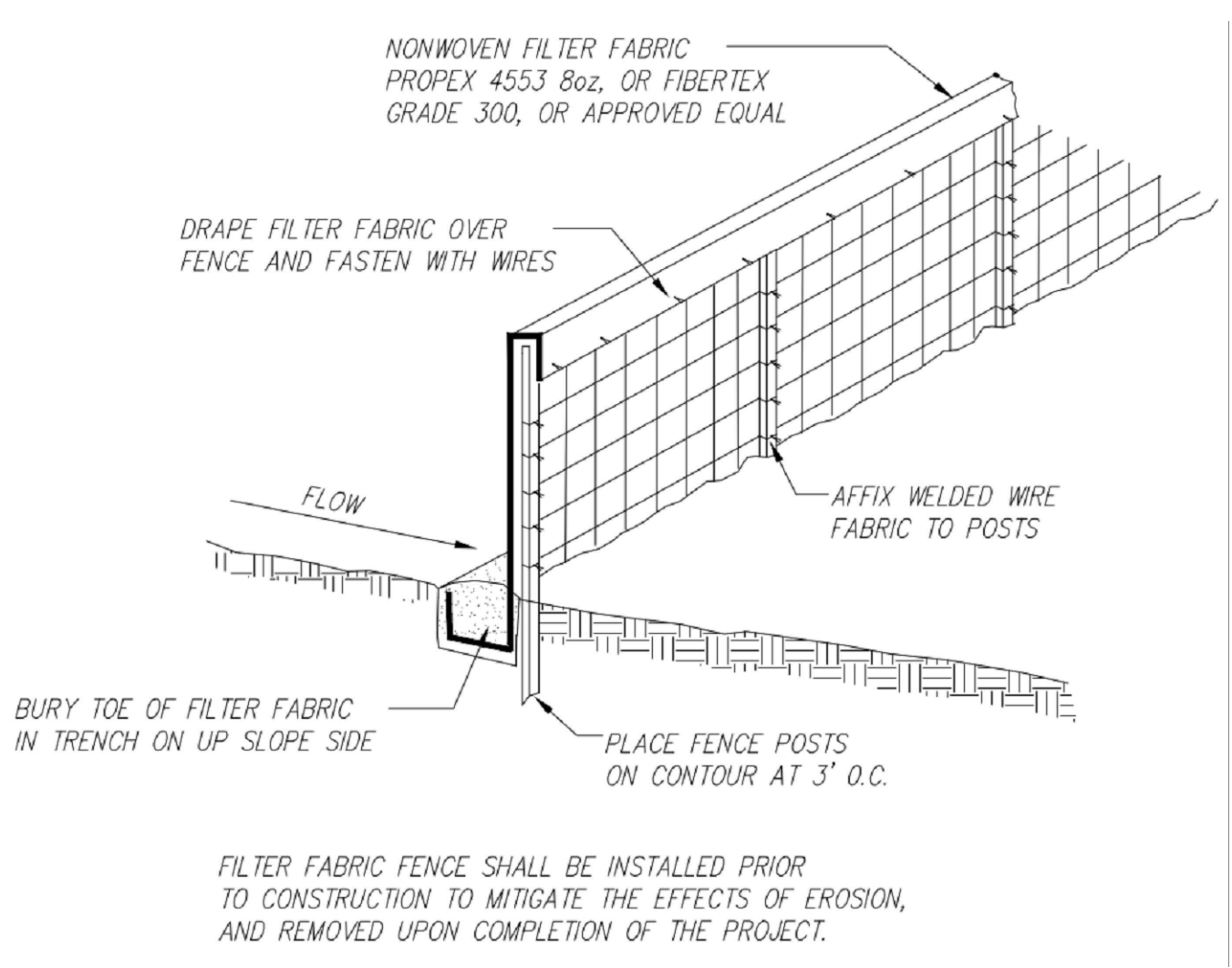
1 BOLLARD DETAIL
N.T.S.



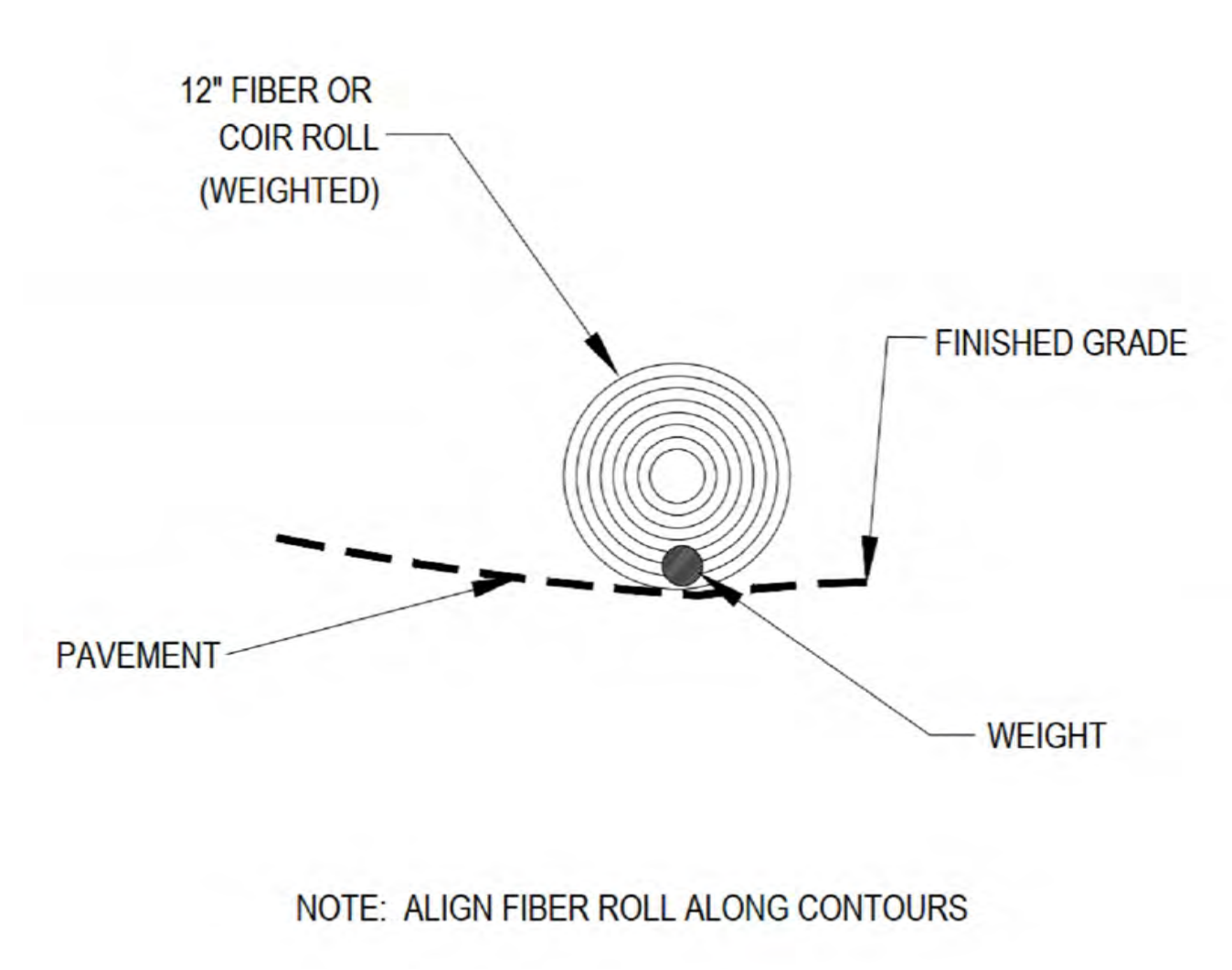
11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

5 EROSION CONTROL FENCING
N.T.S.



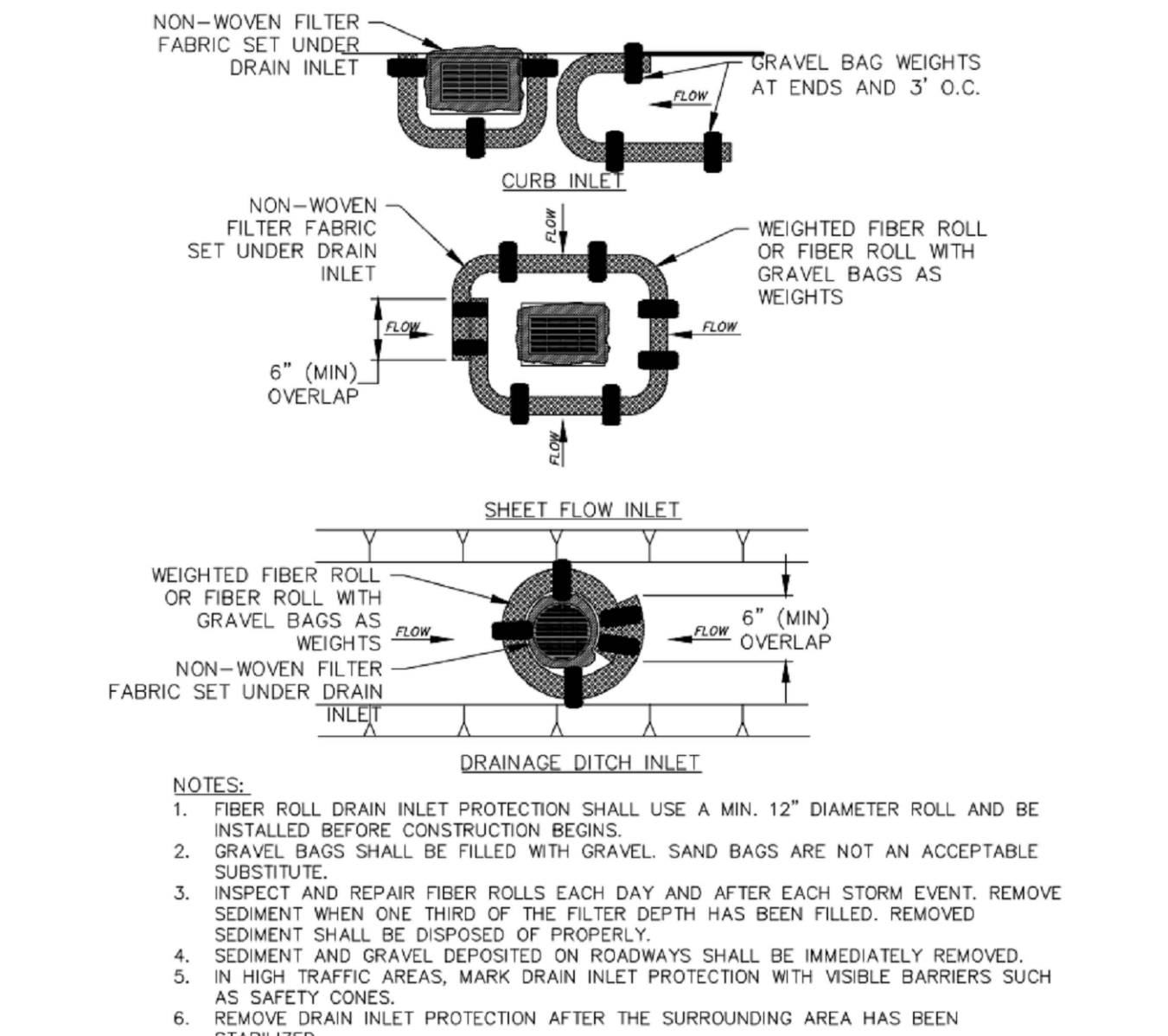
2 WEIGHTED COIR LOGS
N.T.S.



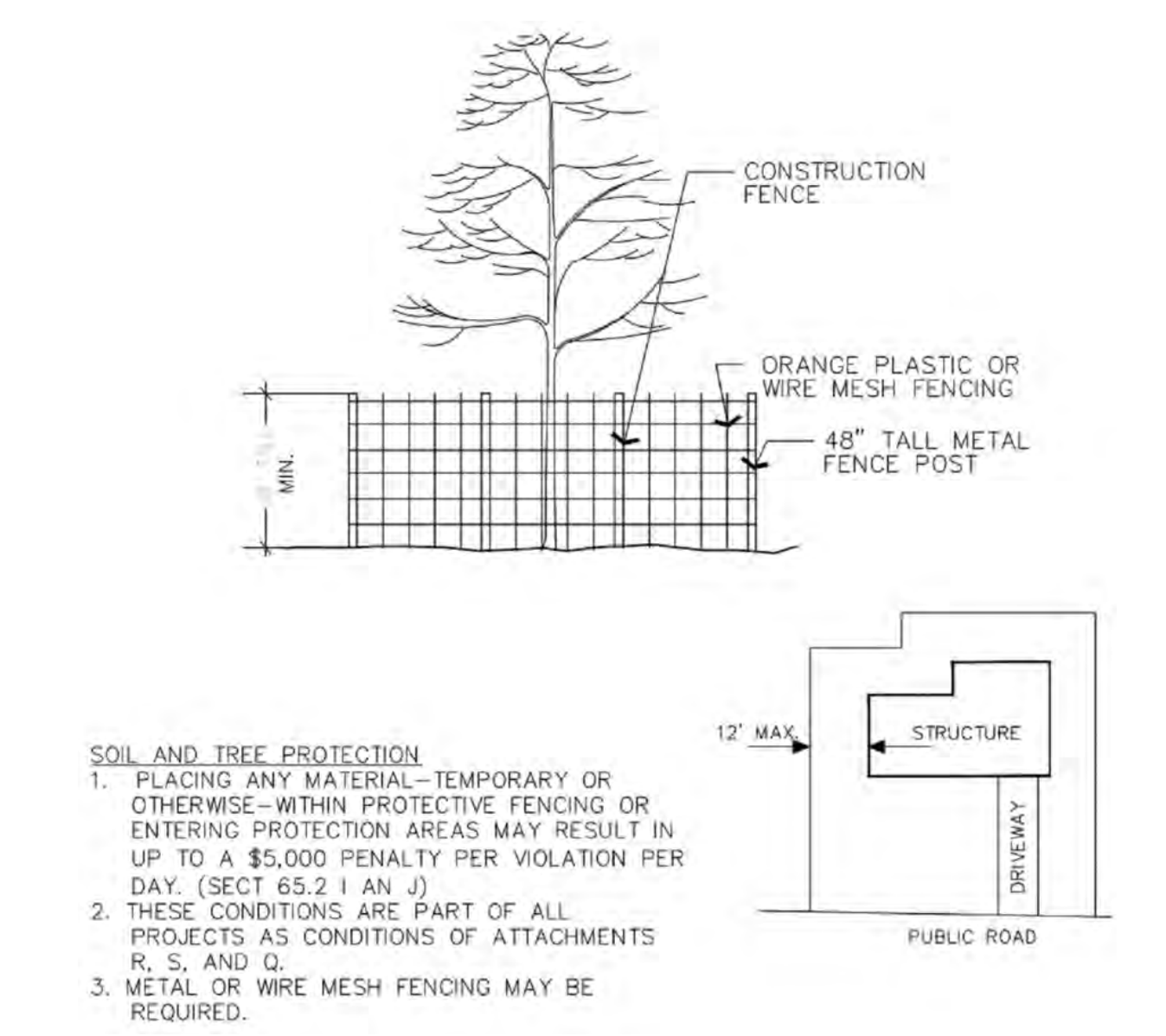
12 NOT USED
N.T.S.

9 NOT USED
N.T.S.

6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

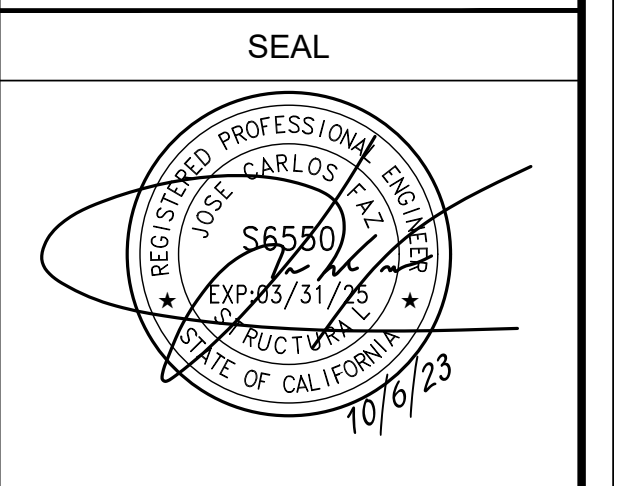


23 MAUCHLY, STE 110
IRVINE, CA 92618

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1807 VENICE DR,
SOUTH LAKE TAHOE,
CA 96150

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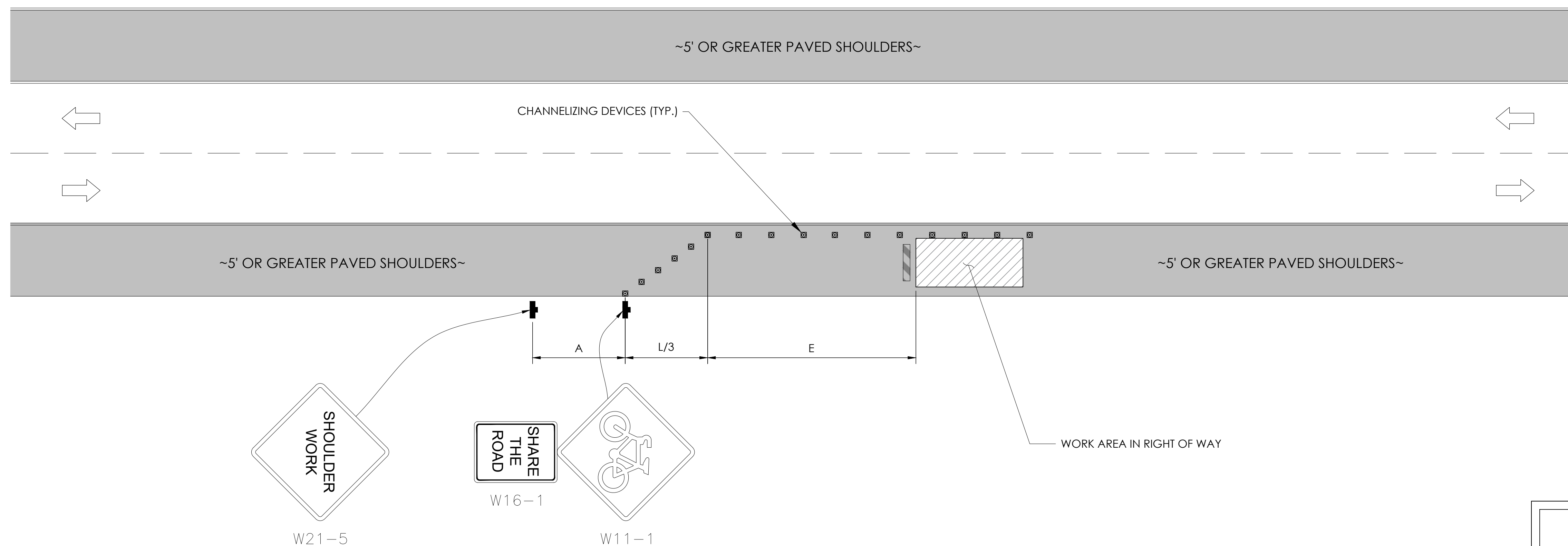
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

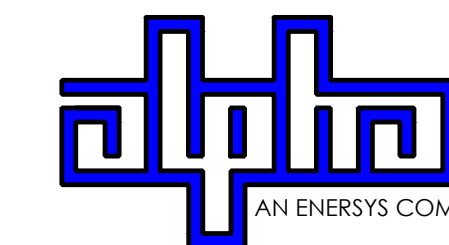
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



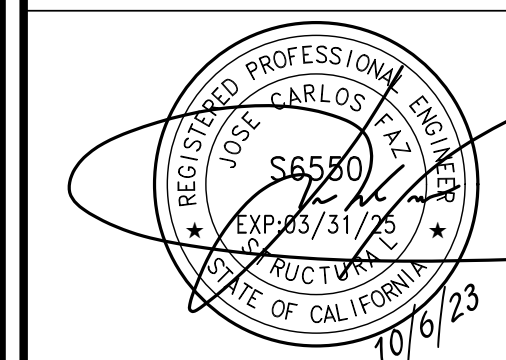
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069690

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	07/28/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	10/05/23	100% CD REVISION	JG

SEAL



SITE INFORMATION

SITE ID:
ST124A_

SITE ADDRESS:
1807 VENICE DR,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

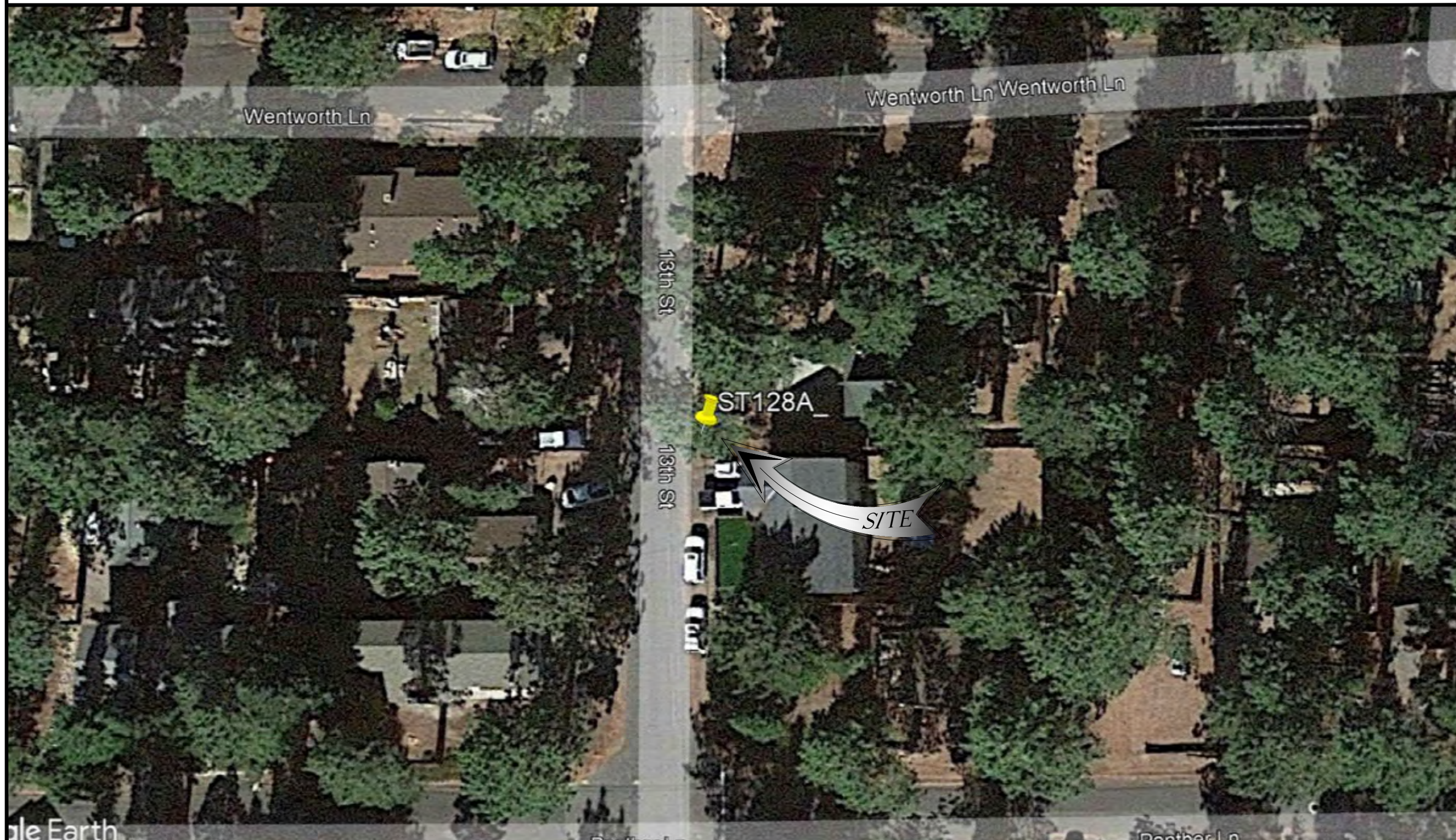
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST128A_

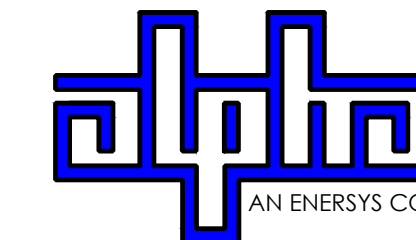
SITE ADDRESS: 1808 13TH ST, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

Table with 2 columns: Field Name and Value. Fields include Site Address, Latitude/Longitude, Jurisdiction, Power Provider, Structure Type, Output Voltage Spec, Input Voltage Spec, Amp Draw, Hydraulic Related Area, Coverage, and Cut/Fill Volume.



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069698

ISSUE STATUS

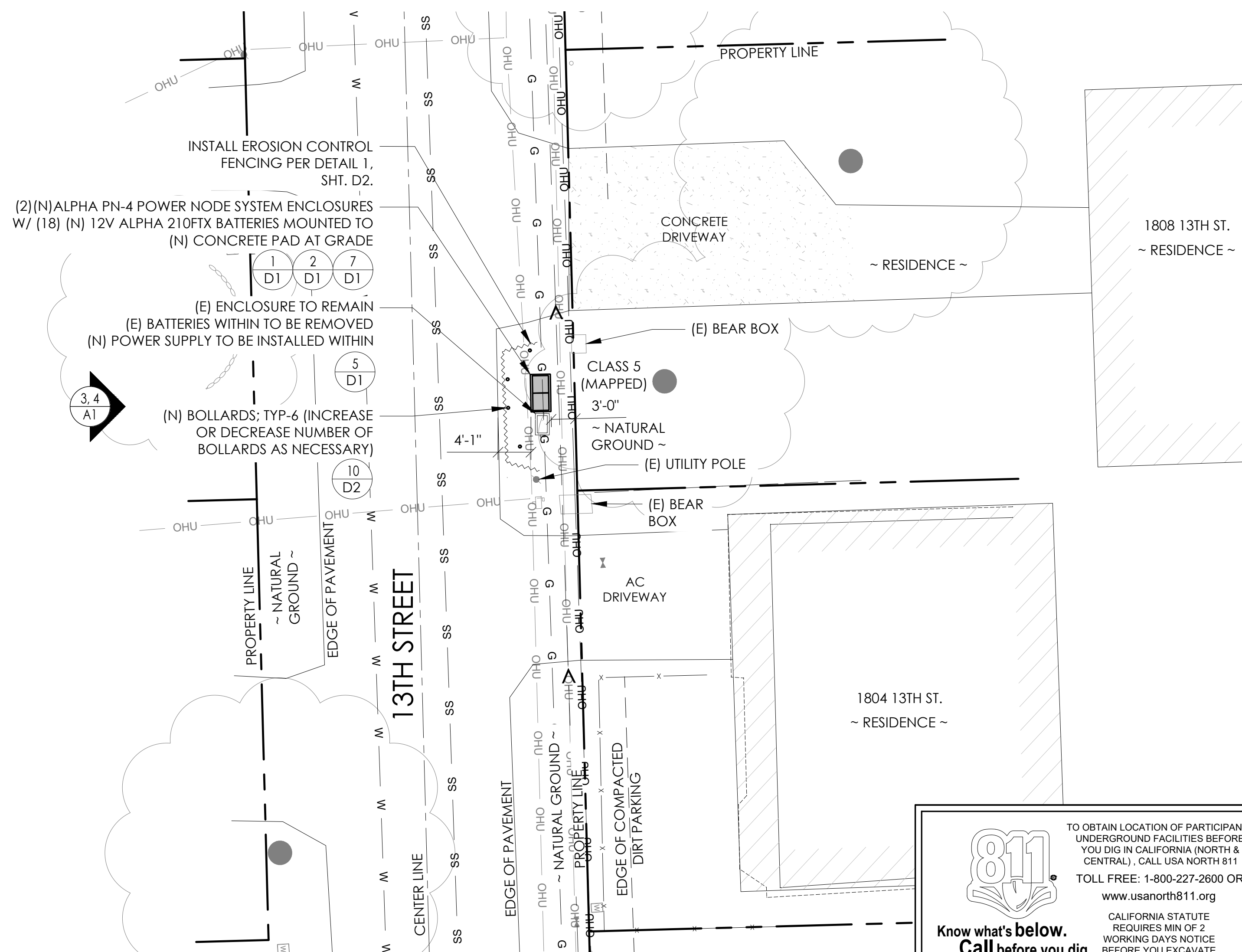
Table with 4 columns: REV, DATE, DESCRIPTION, BY. Shows revision history for the drawing.

2B SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



DRAWING INDEX

Table with 2 columns: SHEET and DESCRIPTION. Lists drawing sheets T1, LS-1, A1, D1, D2, and TC1.

PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
ENGINEER/ARCHITECT: J5 INFRASTRUCTURE PARTNERS
APPLICANT: ALPHA TECHNOLOGIES, INC.

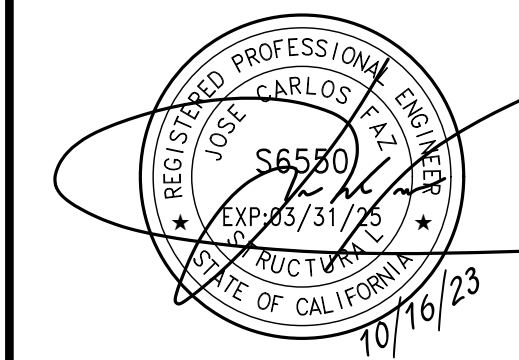
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID: ST128A_

SITE ADDRESS: 1808 13TH ST, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

T1

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"



VICINITY MAP
N.T.S.



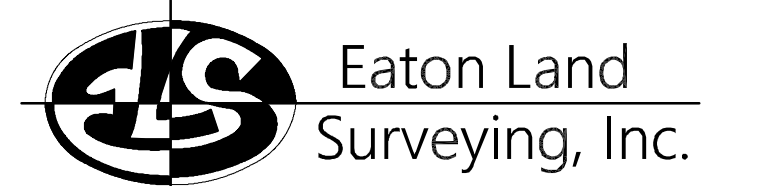
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



Eaton Land
Surveying, Inc.

15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/27/23	SUBMITTAL



PROJECT INFORMATION:
ST128A
1808 THIRTEENTH ST.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/28/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

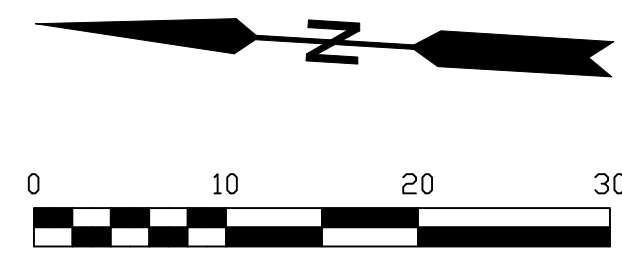
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

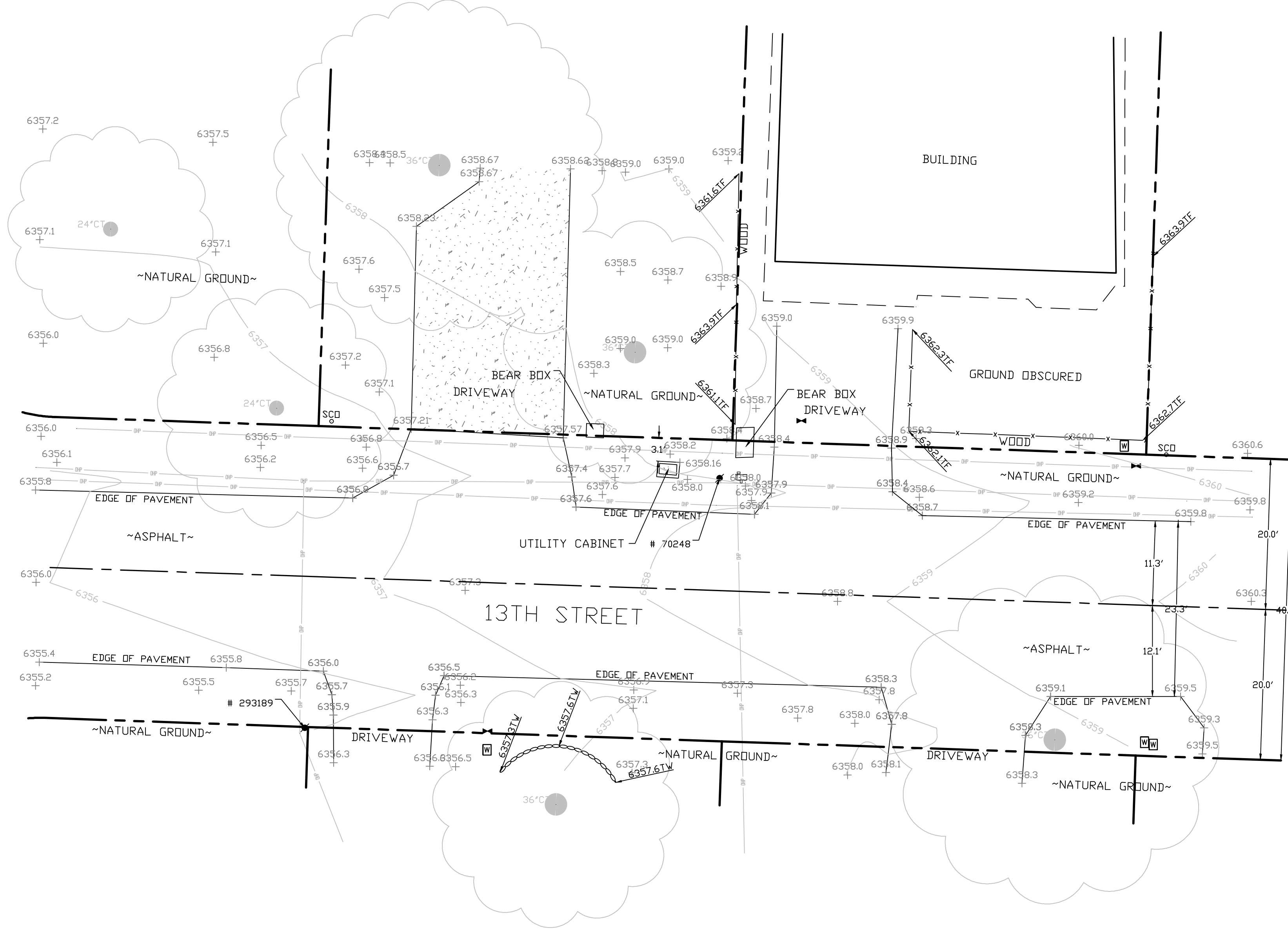
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 57 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 023-623-009-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032330 DATED 08/31/2023;



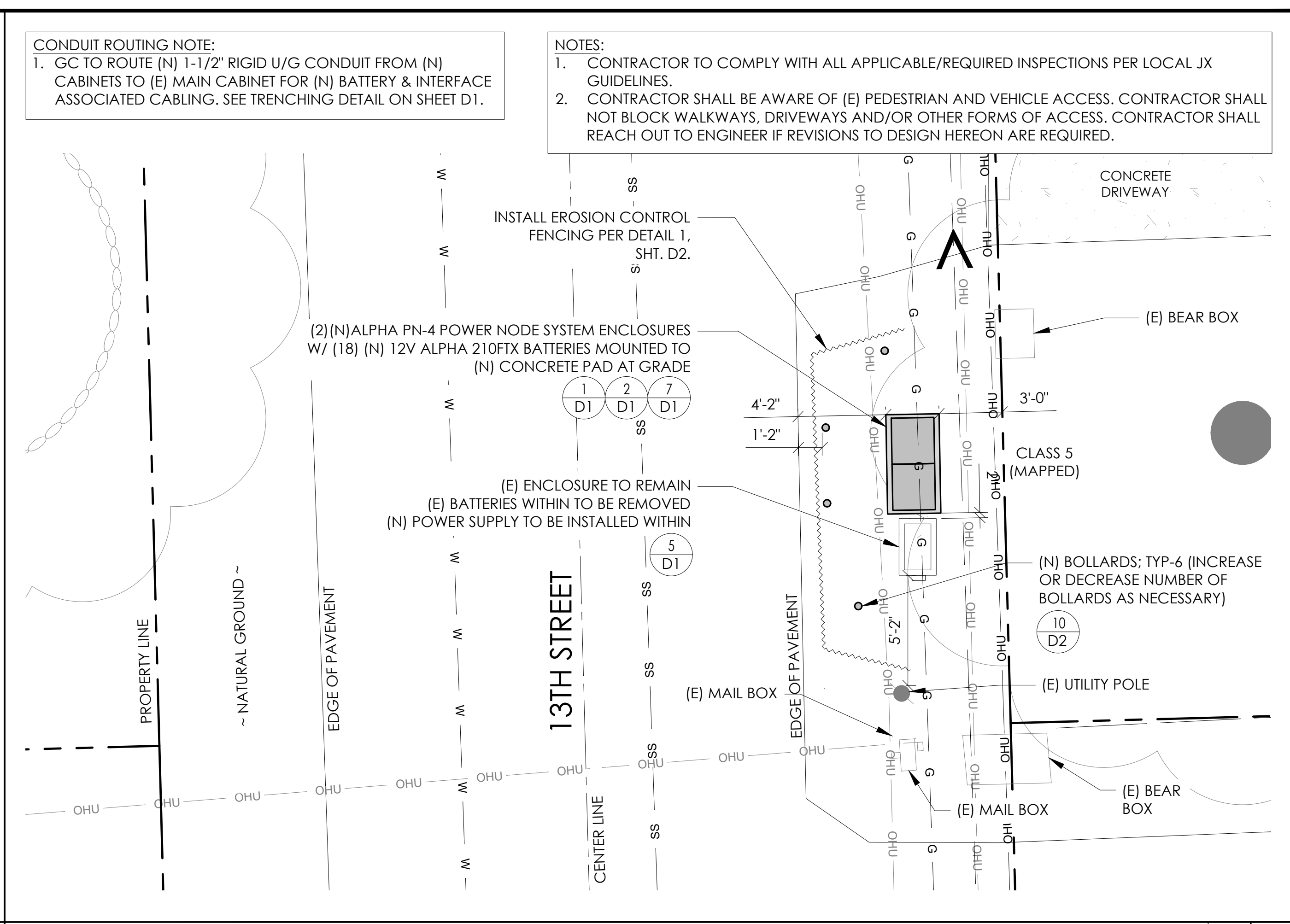
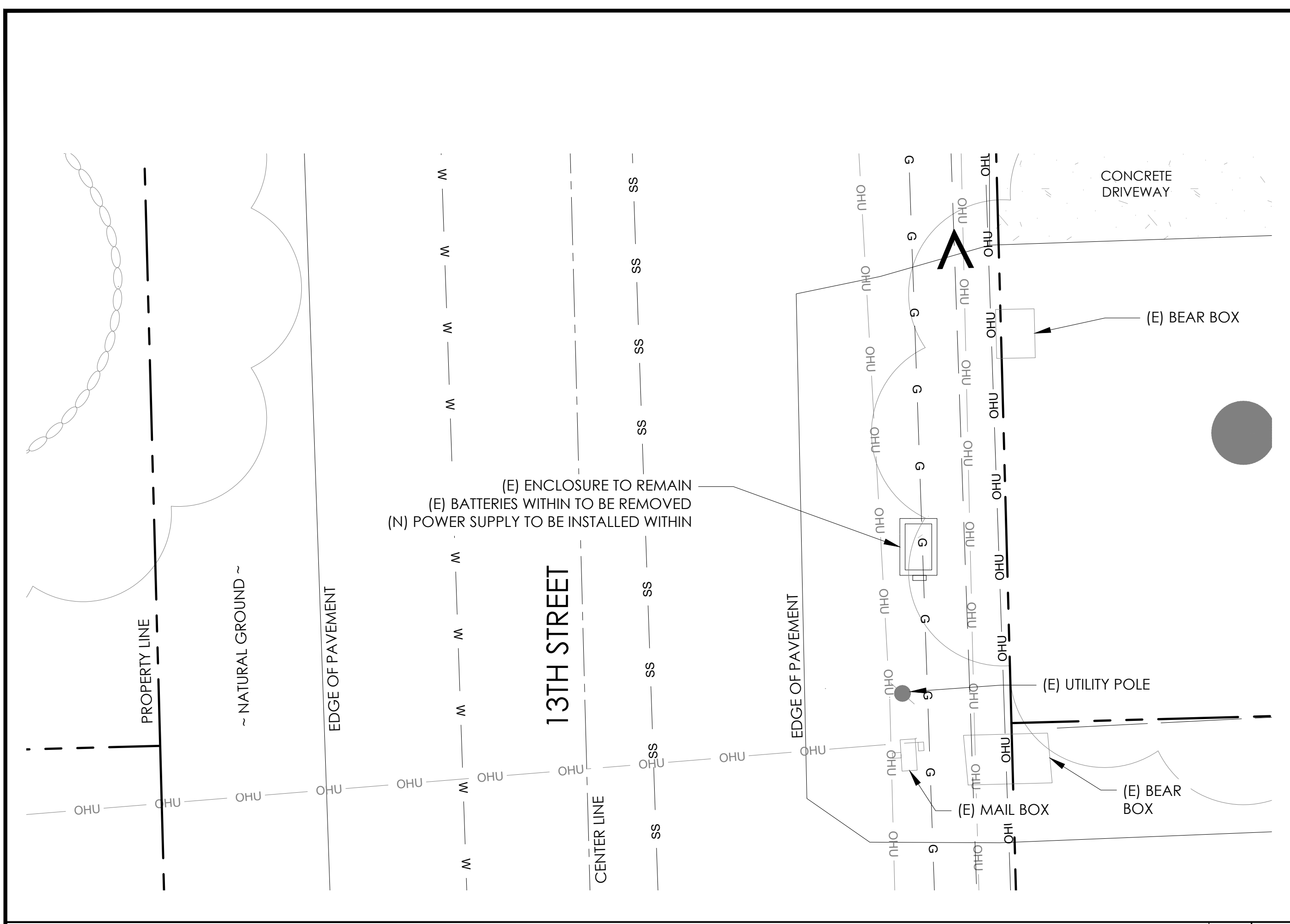
LEGEND

- These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



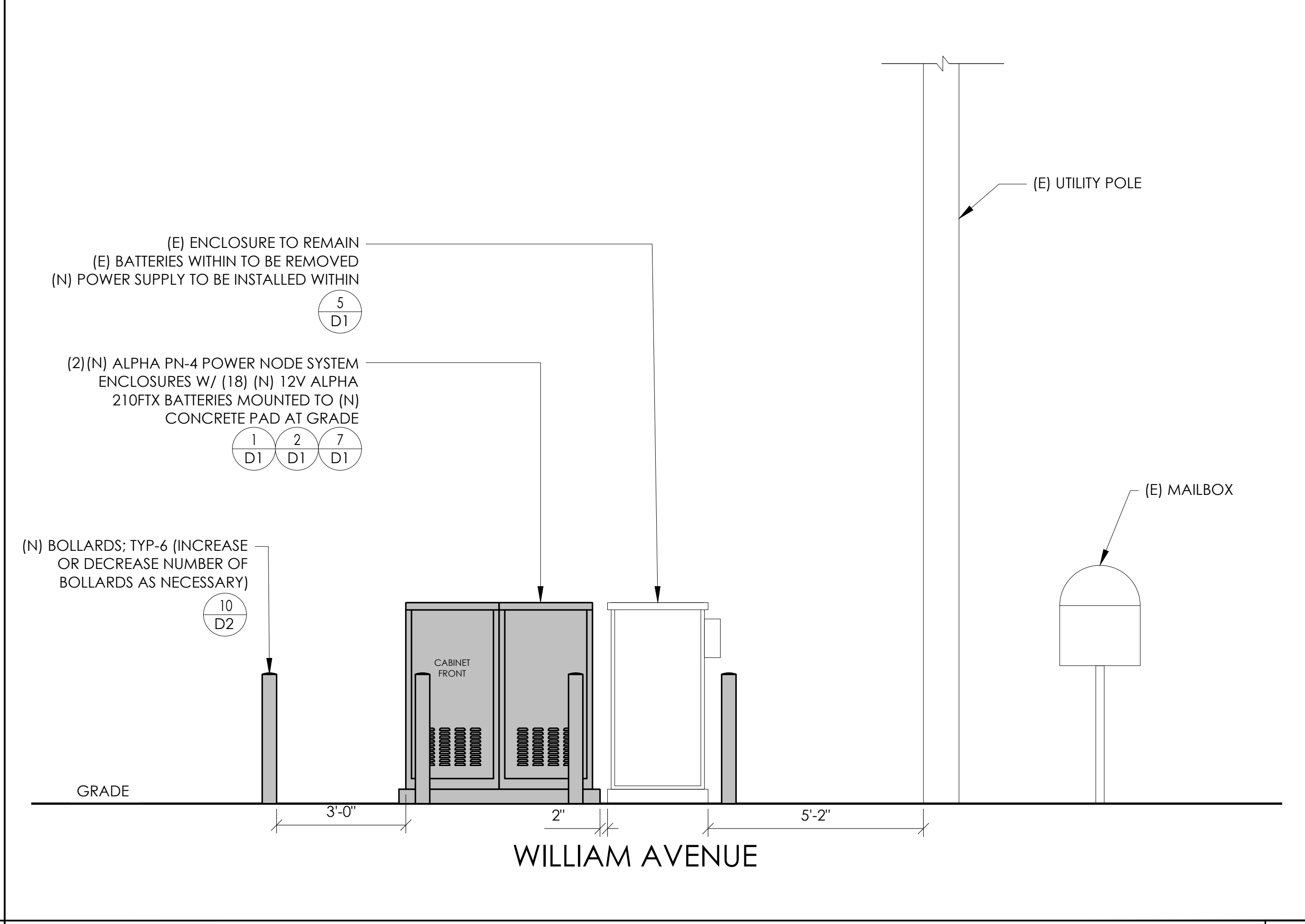
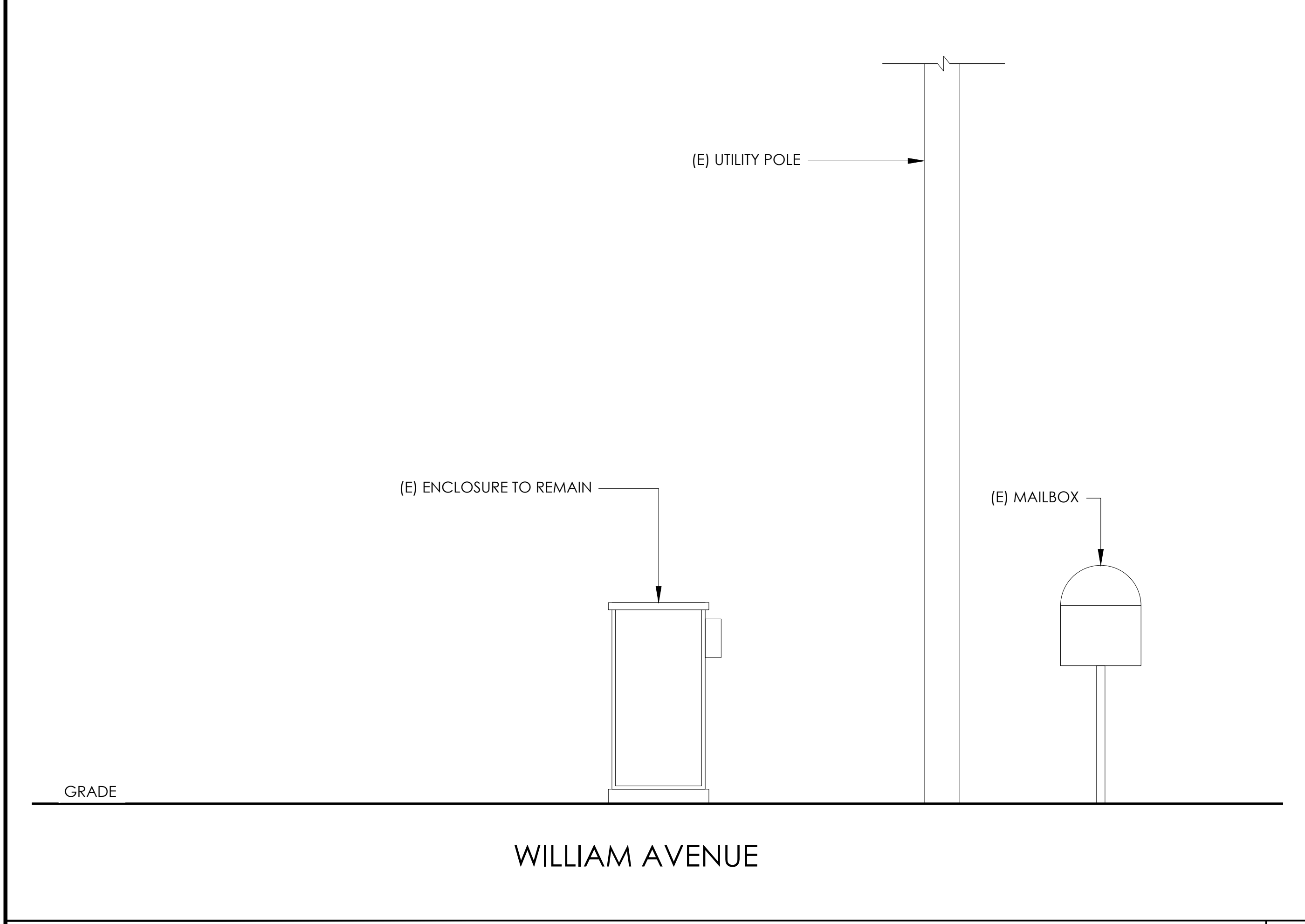
SITE SURVEY
SCALE 1"=10'





EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4" 3" 2" 1" 0" 4" NORTH 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4" 3" 2" 1" 0" 4" NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2" 1" 0" 2" 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2" 1" 0" 2" 3

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069698

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/06/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL

SITE INFORMATION

SITE ID:
 ST128A_

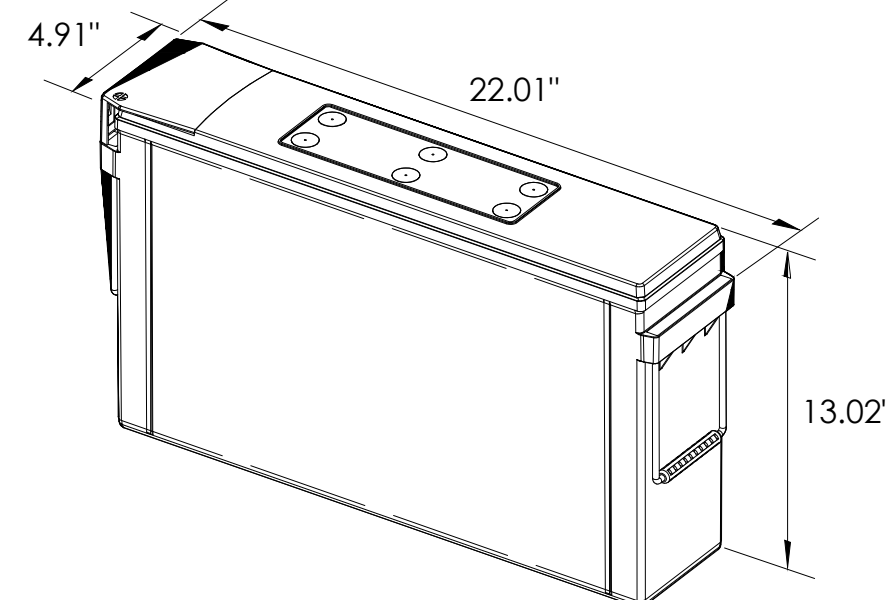
SITE ADDRESS:
 1808 13TH ST,
 SOUTH LAKE TAHOE,
 CA 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA
210 FTX BATTERY UNIT

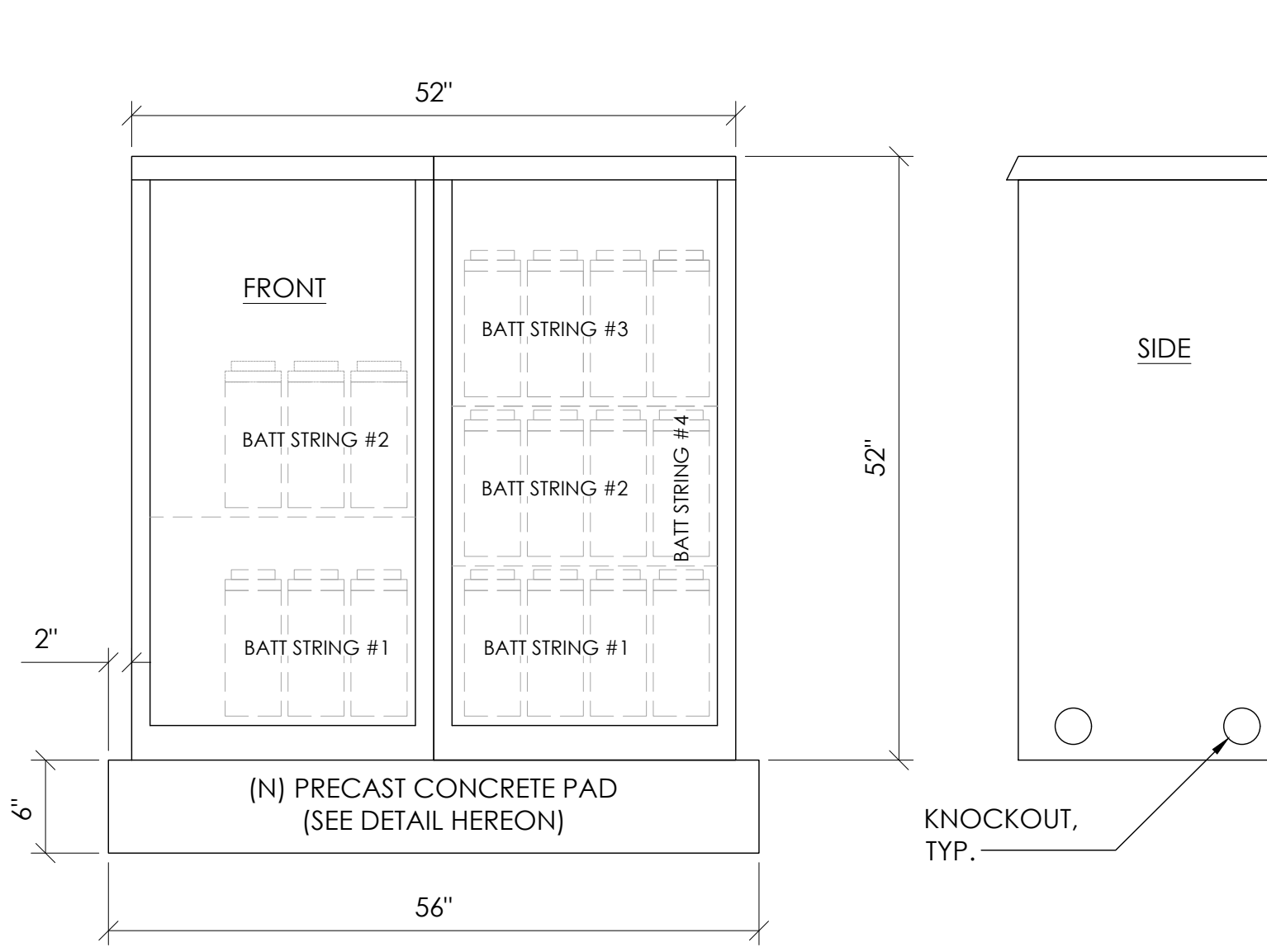


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FTX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

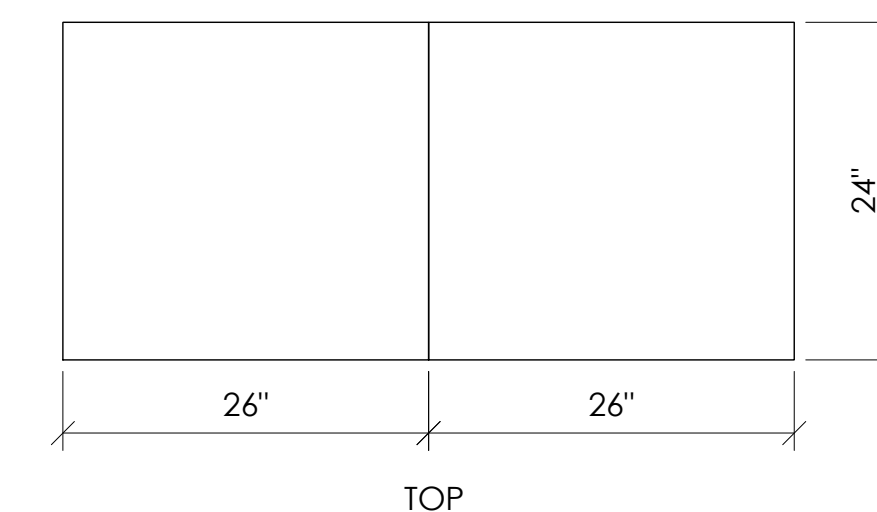
7 BATTERY SPECIFICATIONS
N.T.S.



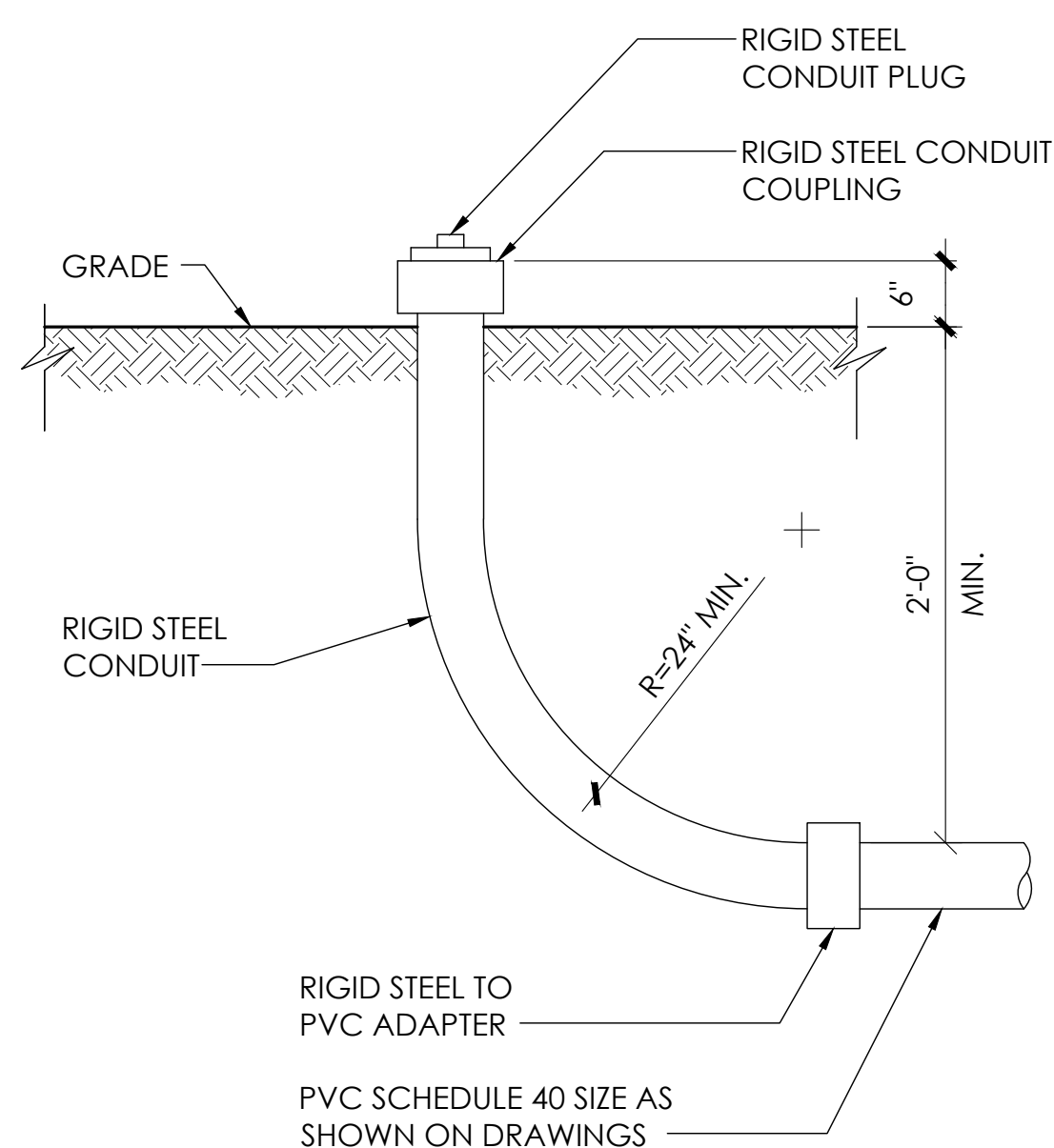
CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



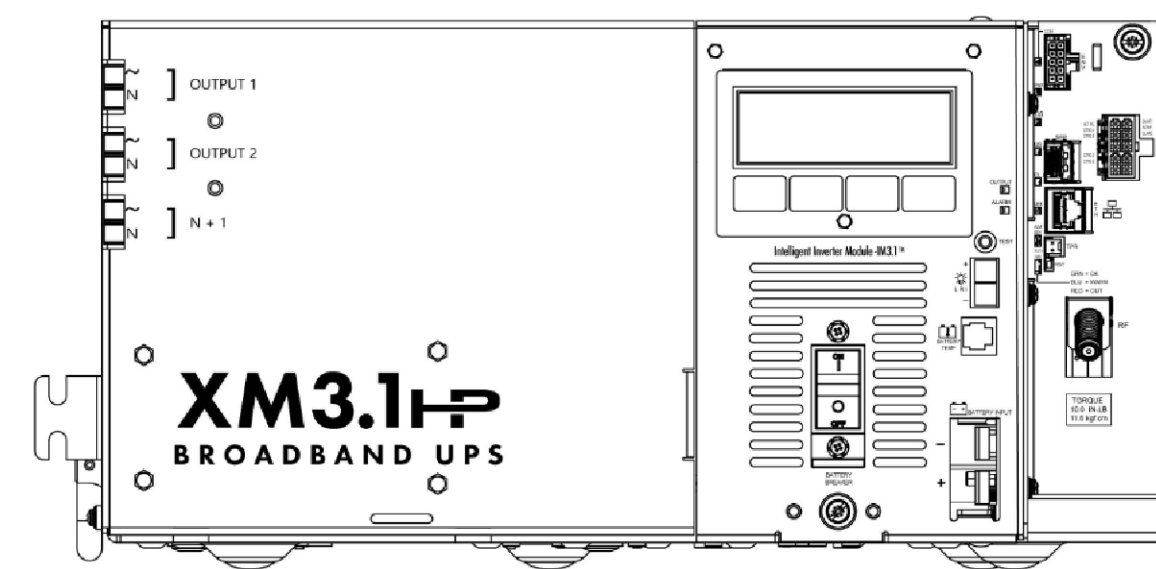
1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



8 STUB-UP DETAIL
N.T.S.

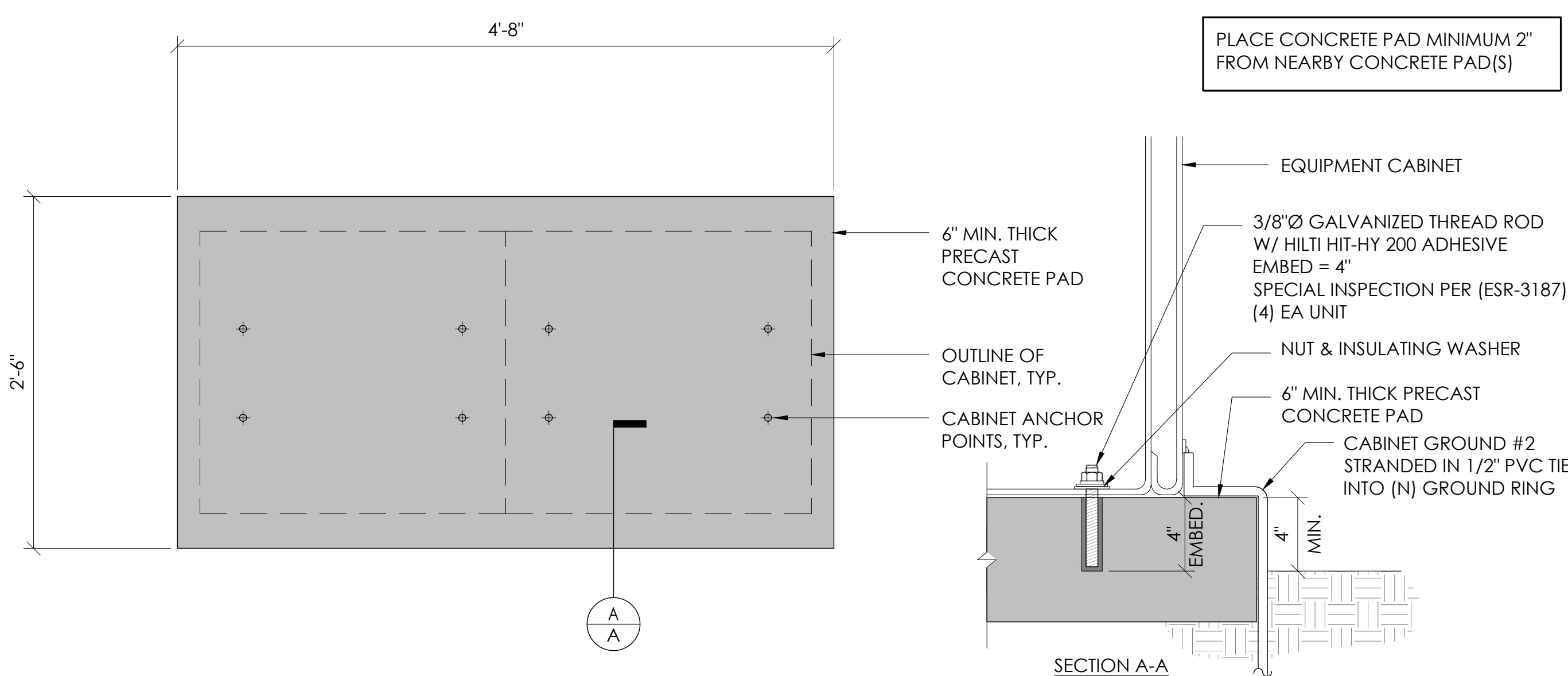
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC



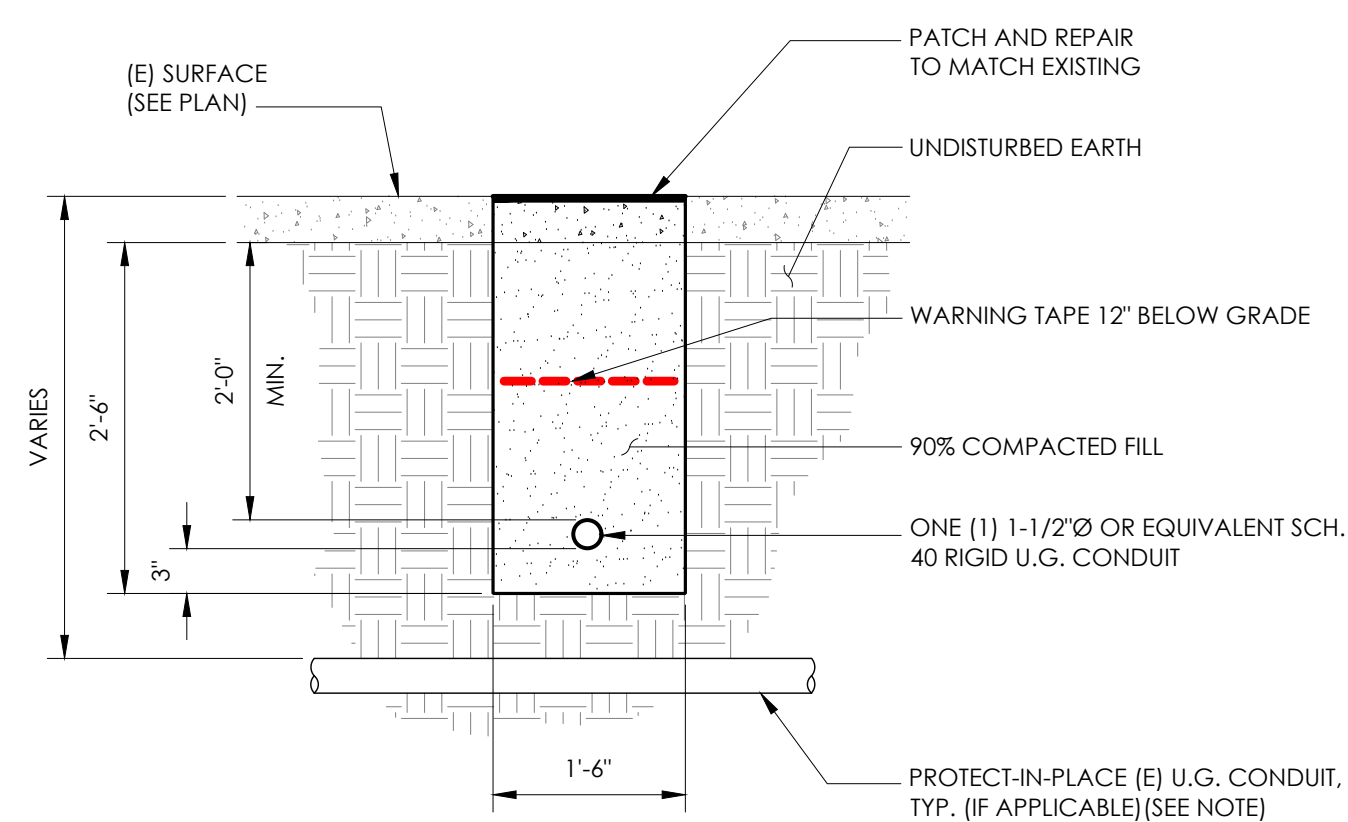
EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.

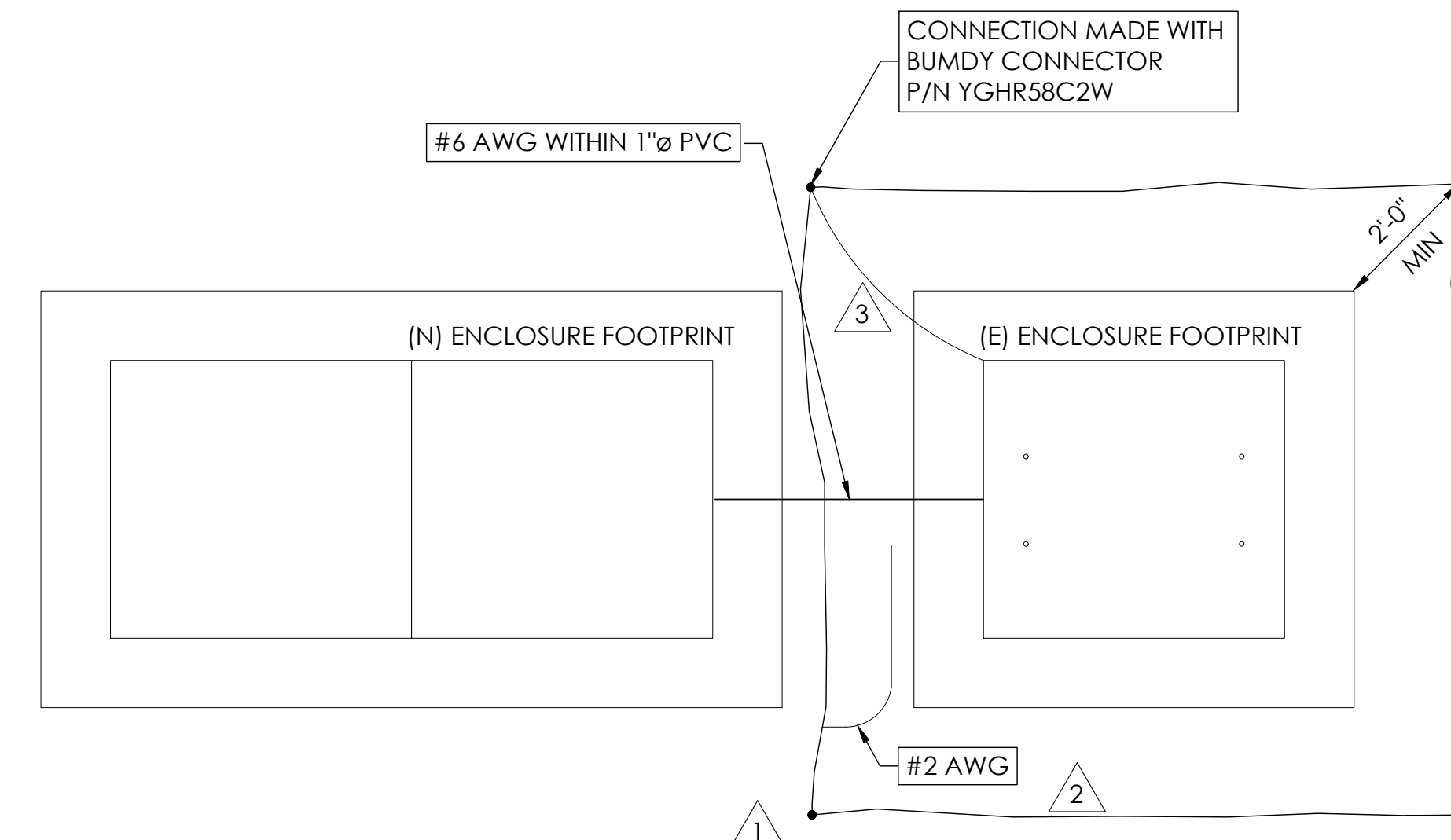


6 TRENCHING DETAIL
N.T.S.

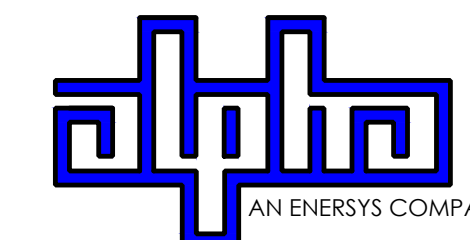
- LIGHTNING PROTECTION (OPTIONAL)
- ⚠ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
 - ⚠ (E) #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
 - ⚠ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
 - ⚠ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.
- SERVICE GROUNDING (REQUIRED)
- ⚠ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND. INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



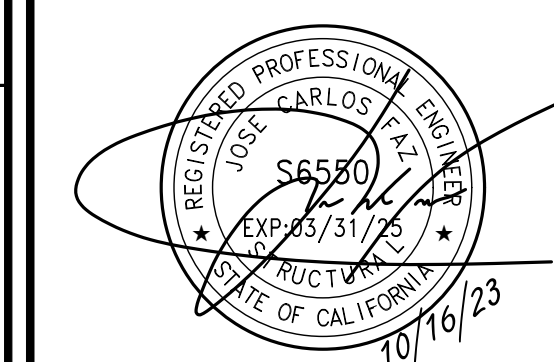
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069698

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/06/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

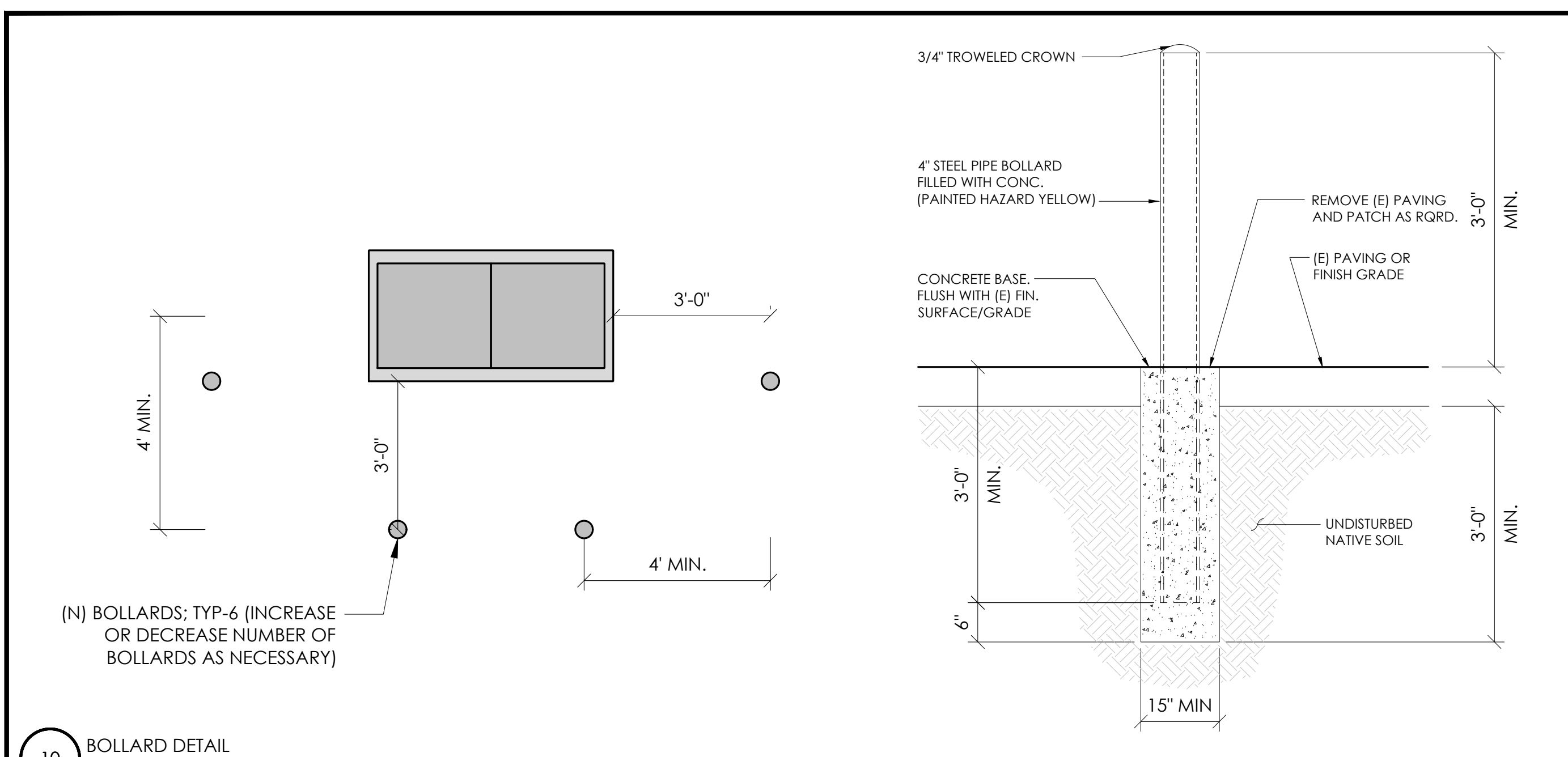
SITE ID:
ST128A

SITE ADDRESS:
1808 13TH ST,
SOUTH LAKE TAHOE,
CA 96150

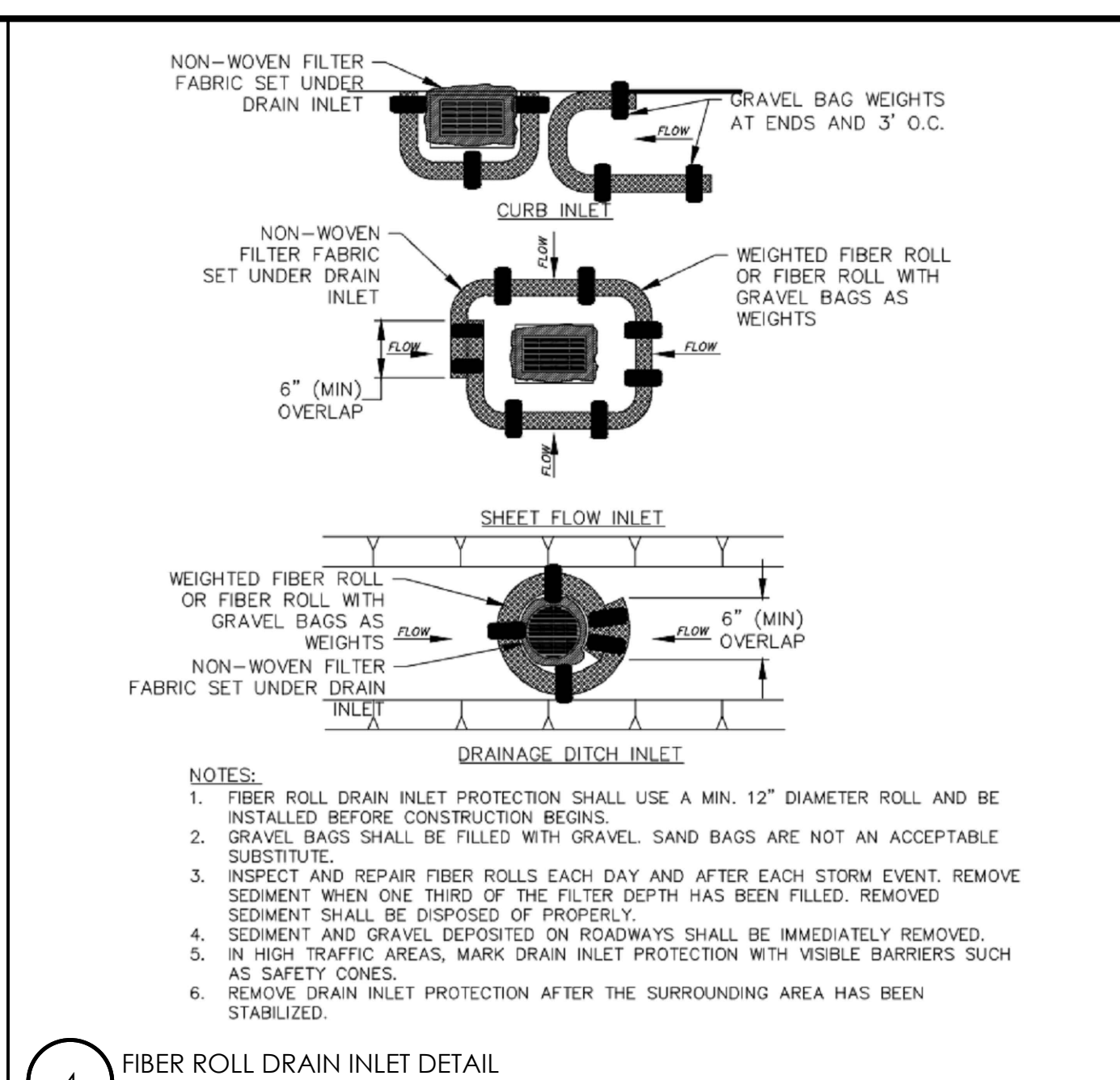
SHEET TITLE:

DETAILS

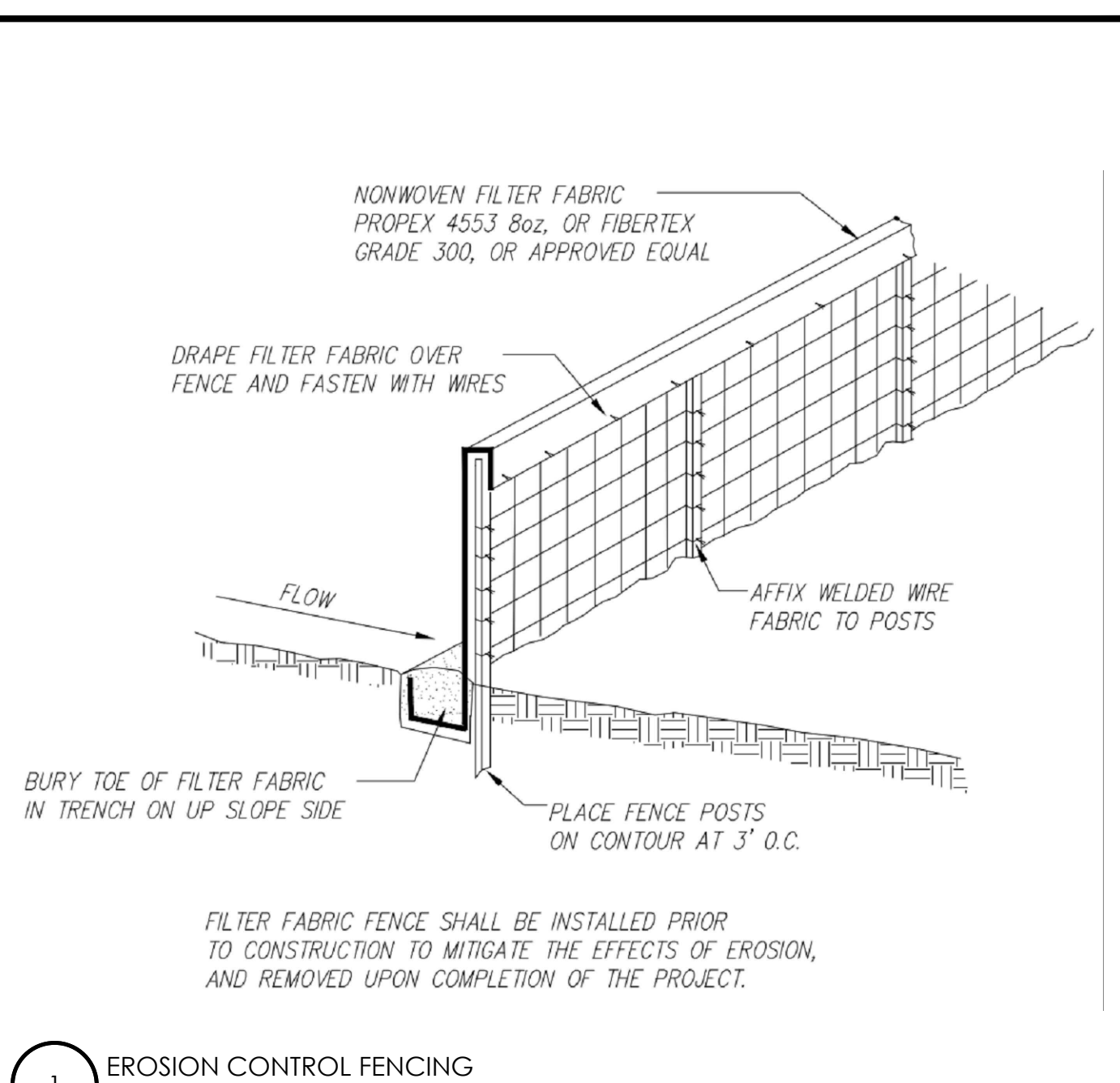
D1



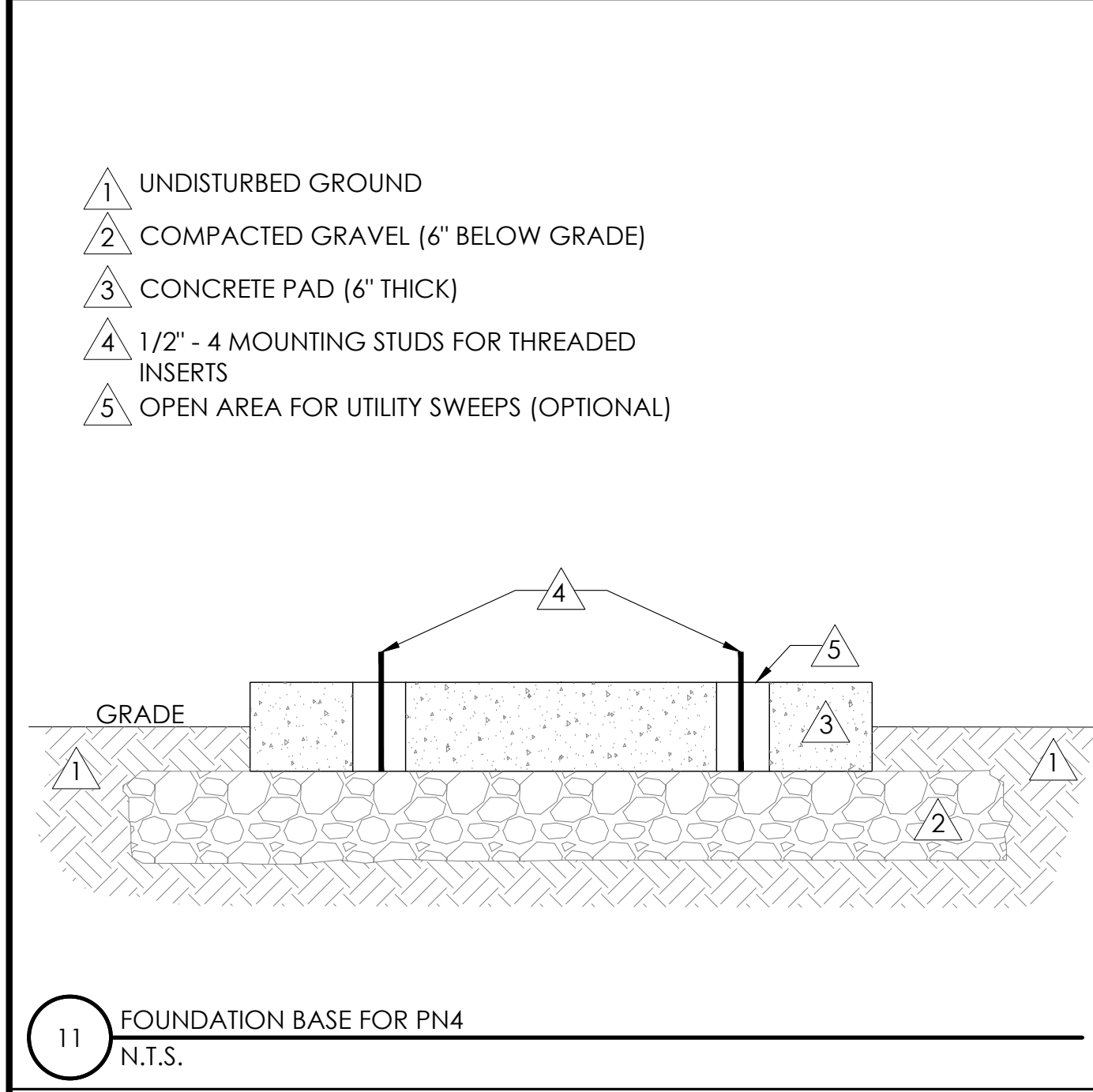
10 BOLLARD DETAIL
N.T.S.



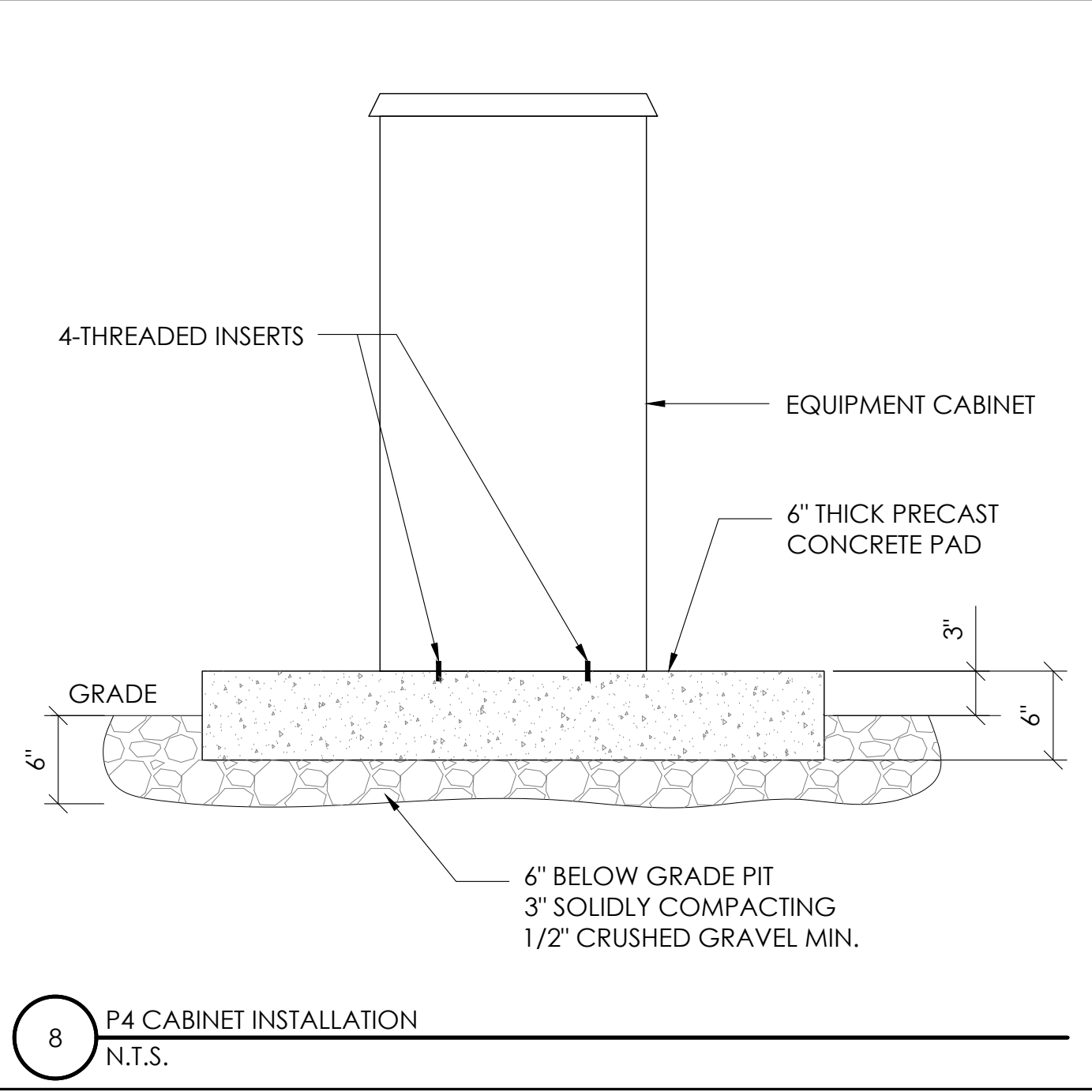
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



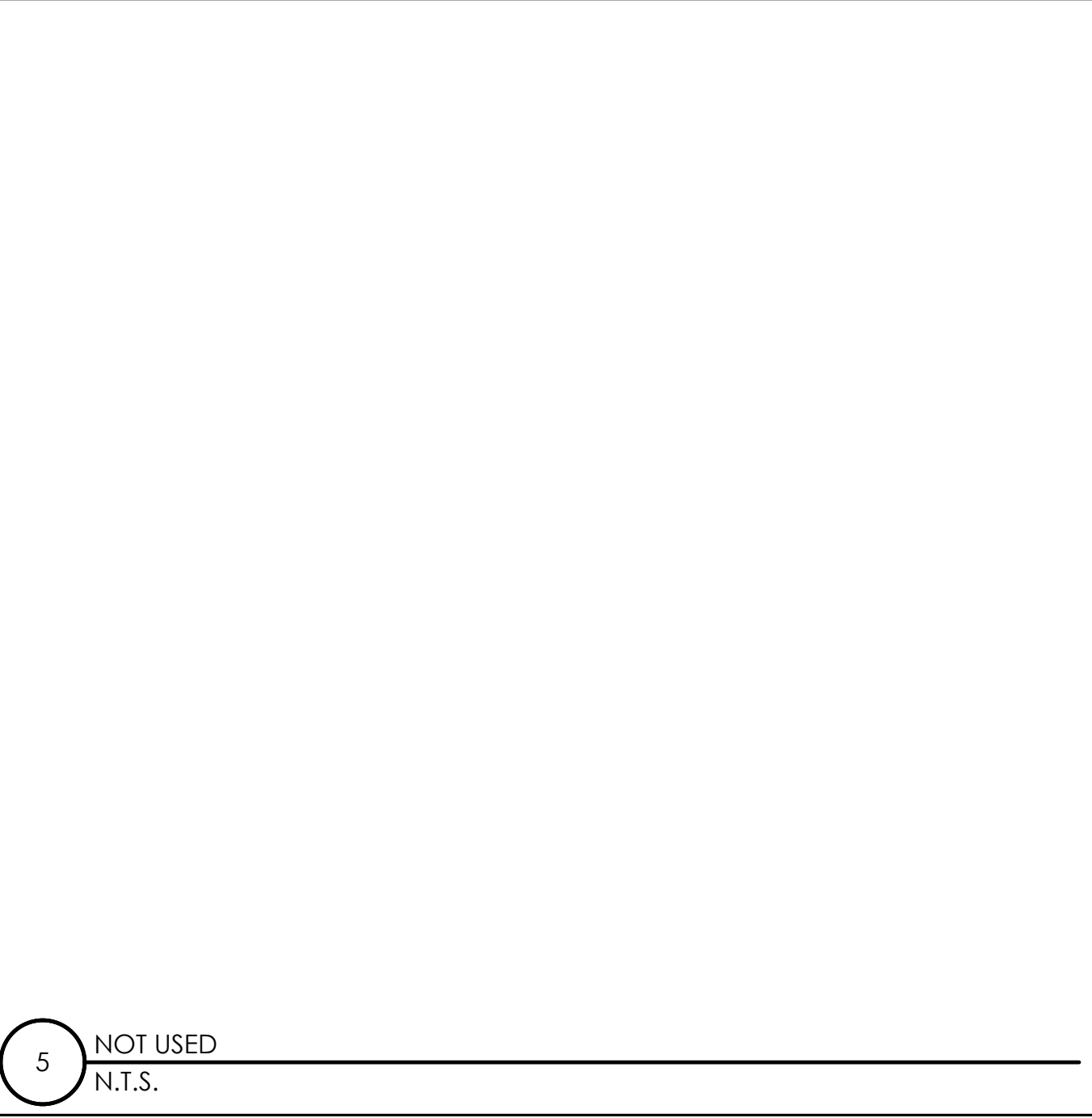
1 EROSION CONTROL FENCING
N.T.S.



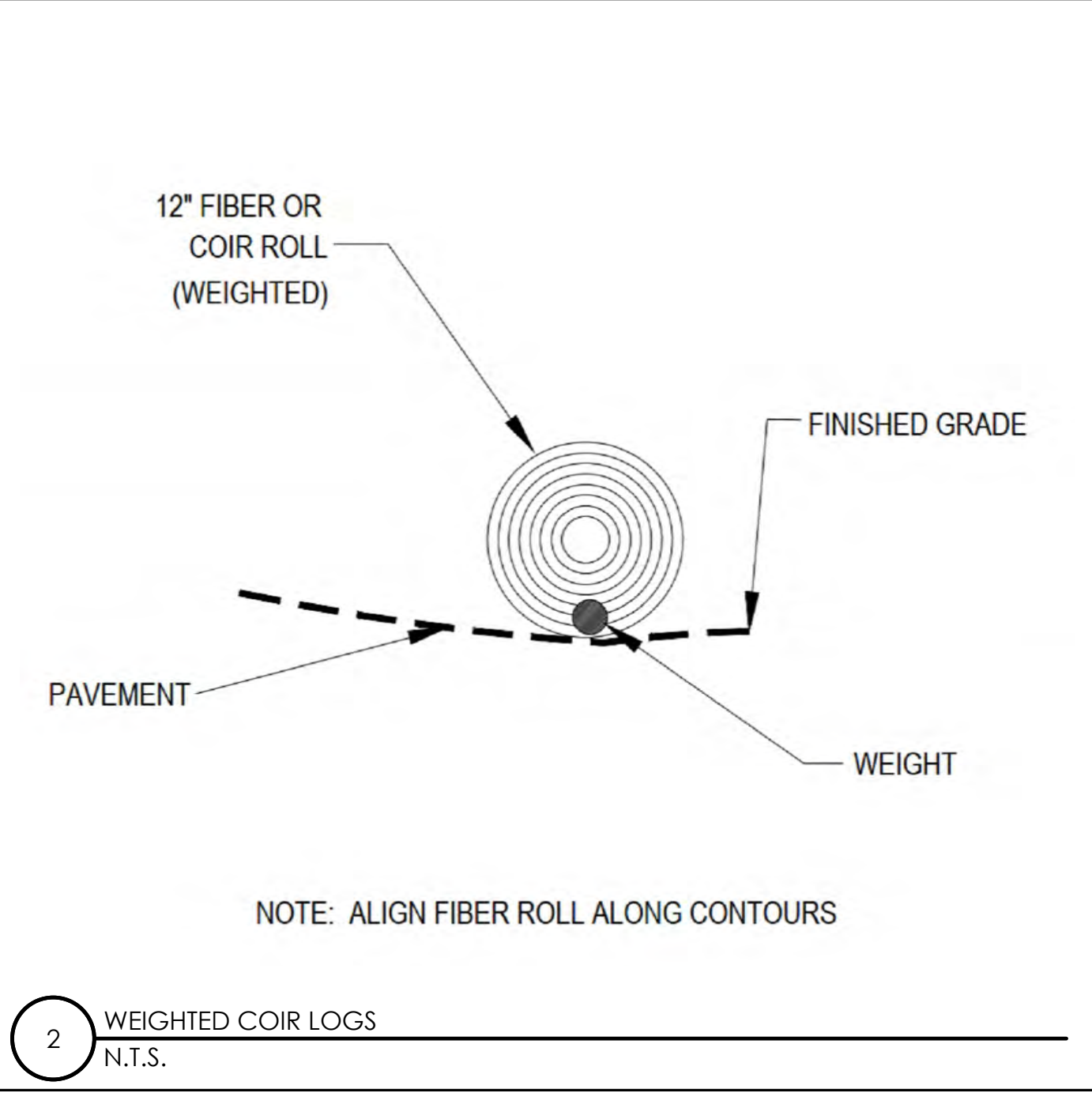
11 FOUNDATION BASE FOR PN4
N.T.S.



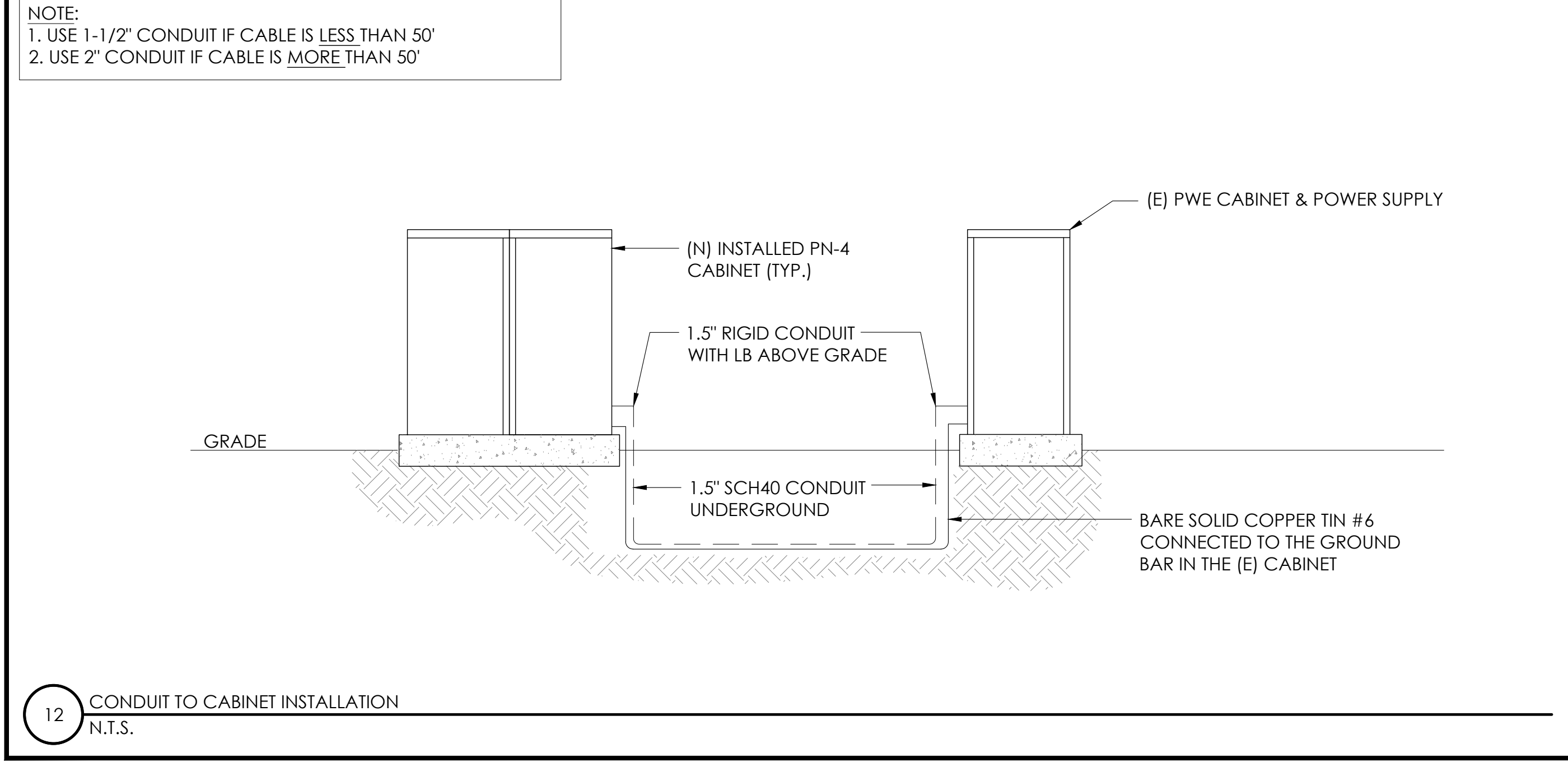
8 P4 CABINET INSTALLATION
N.T.S.



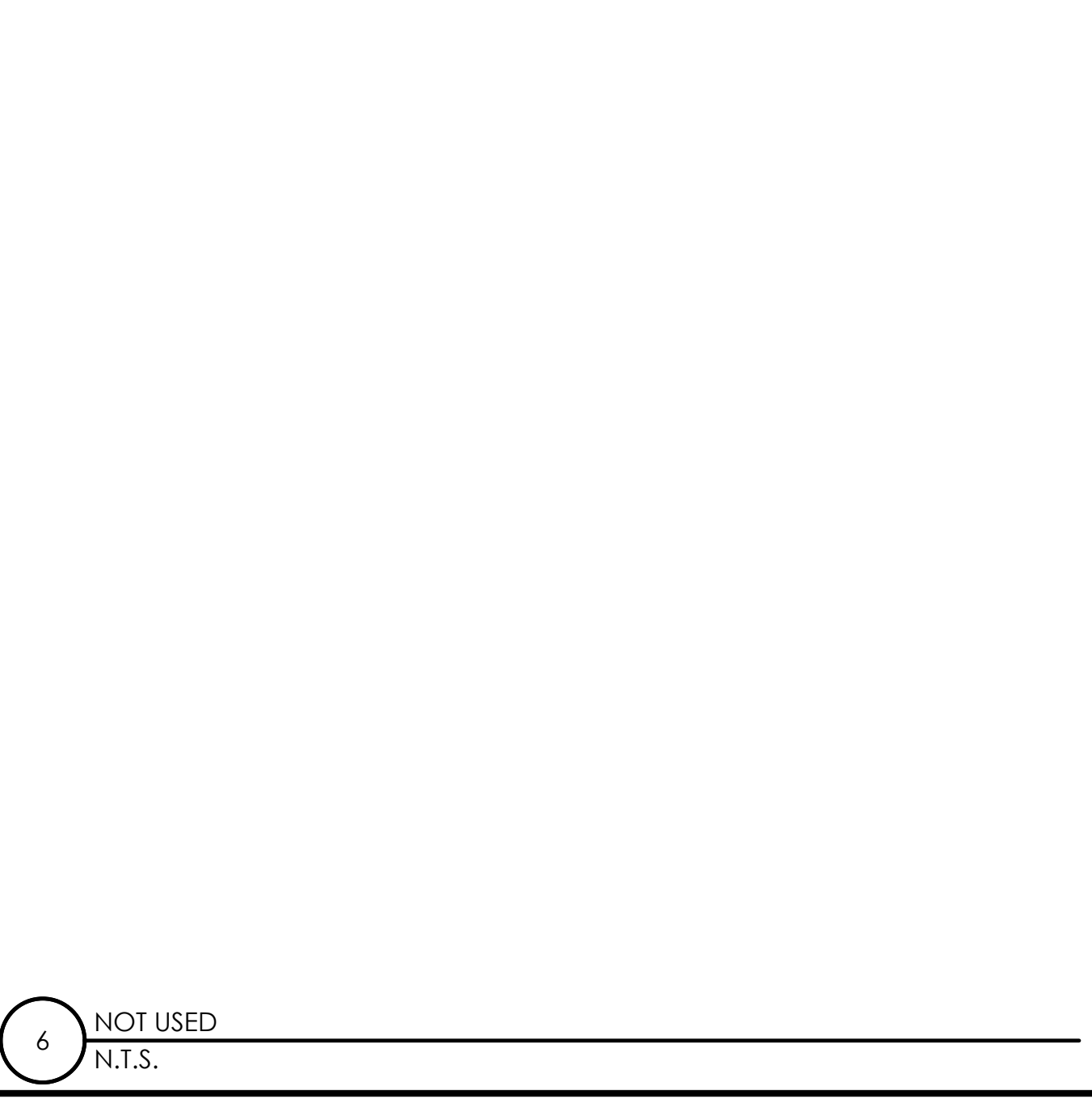
5 NOT USED
N.T.S.



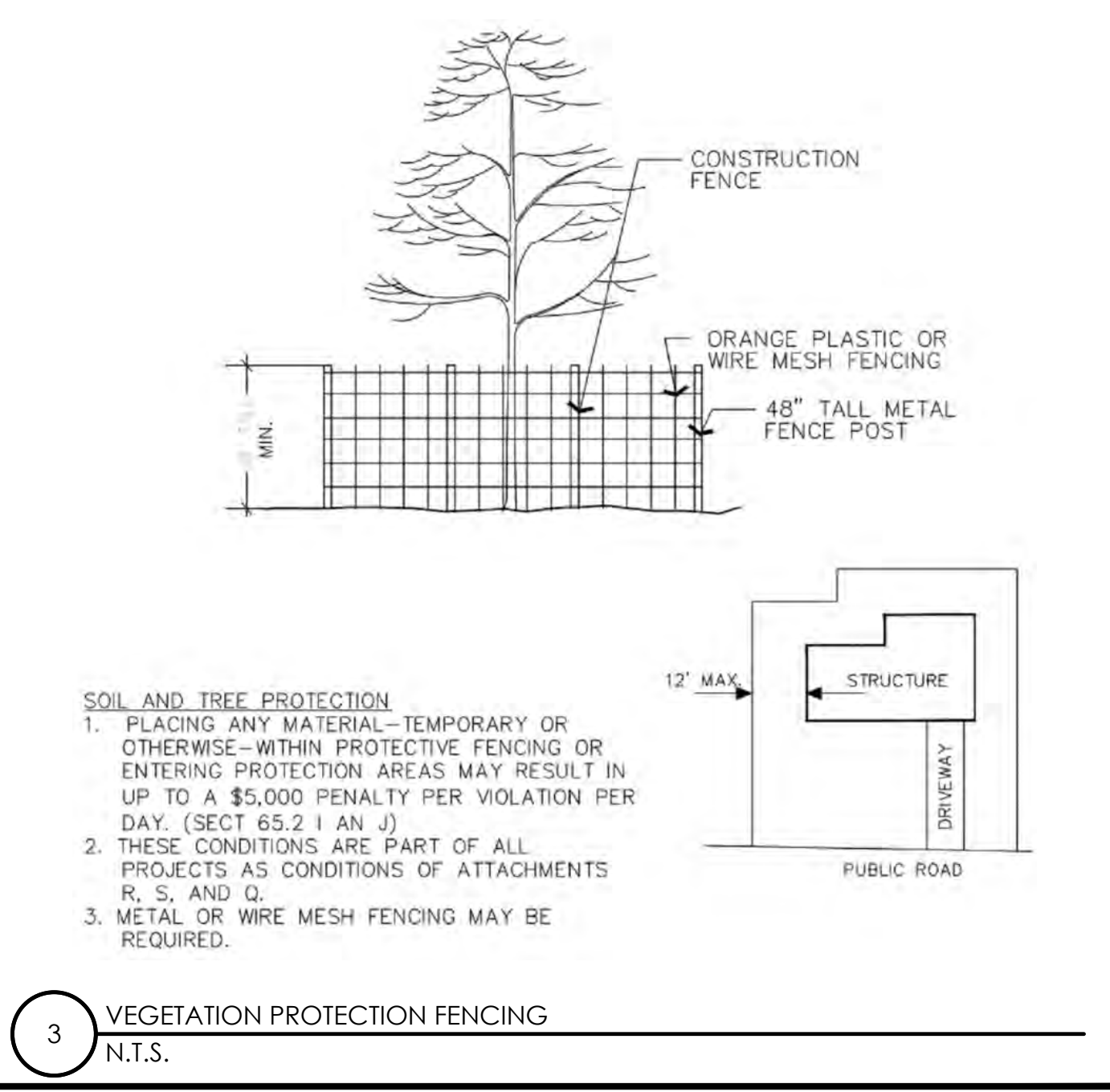
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

Charter Spectrum
9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

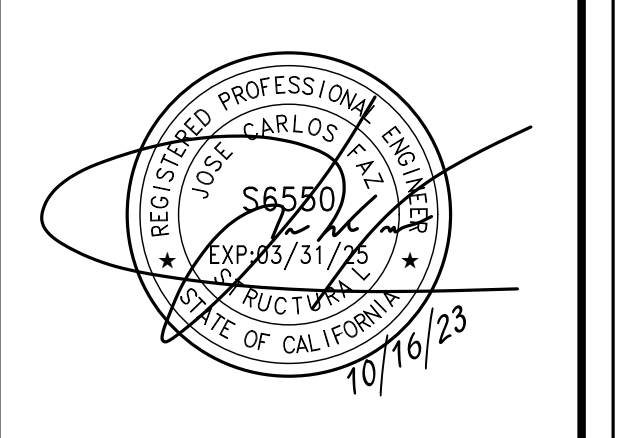
alpha
AN ENERSYS COMPANY
3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069698

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/06/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

SITE ID:
ST128A_

SITE ADDRESS:
1808 13TH ST,
SOUTH LAKE TAHOE,
CA 96150

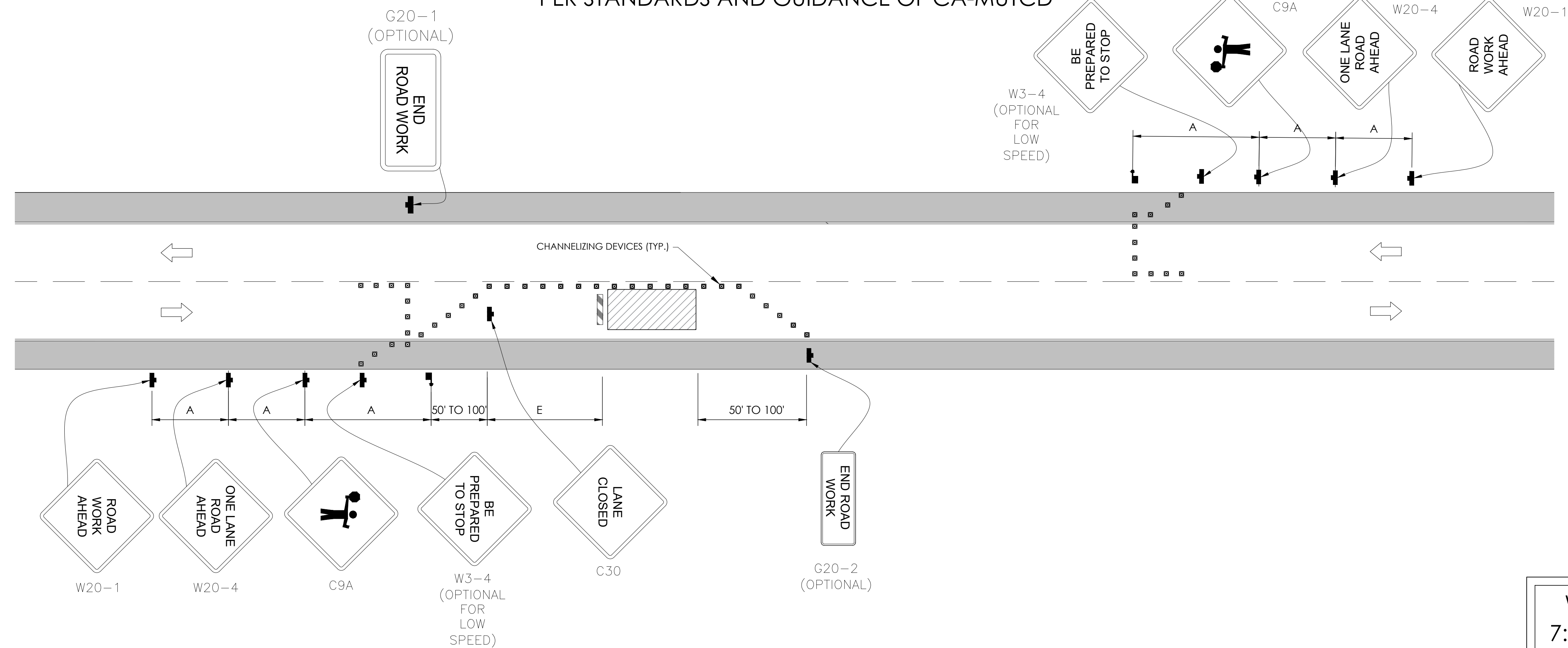
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

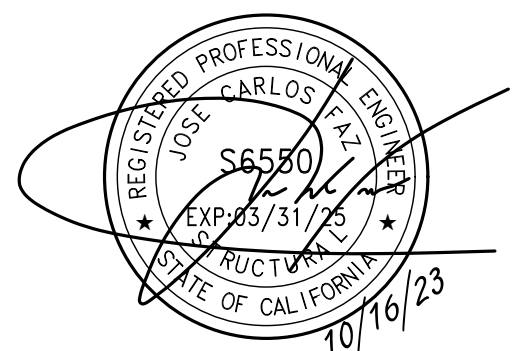
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069698

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/06/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

SITE ID:
ST128A_

SITE ADDRESS:
1808 13TH ST,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST126C_A

SITE ADDRESS: 1860 D ST, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

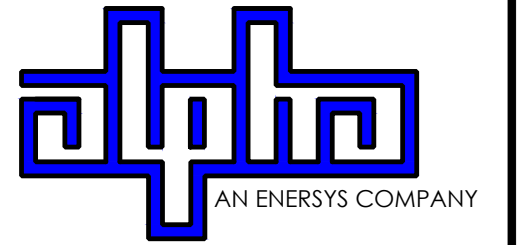
Table with 2 columns: SITE INFORMATION and Description. Includes fields for SITE ADDRESS, LATITUDE/LONGITUDE, JURISDICTION, POWER PROVIDER, STRUCTURE TYPE, OUTPUT VOLTAGE SPEC., INPUT VOLTAGE SPEC., AMP DRAW, HYDRAULIC RELATED AREA, COVERAGE, and CUT/FILL VOLUME.

2A SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ENERSYS SBS 190 BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

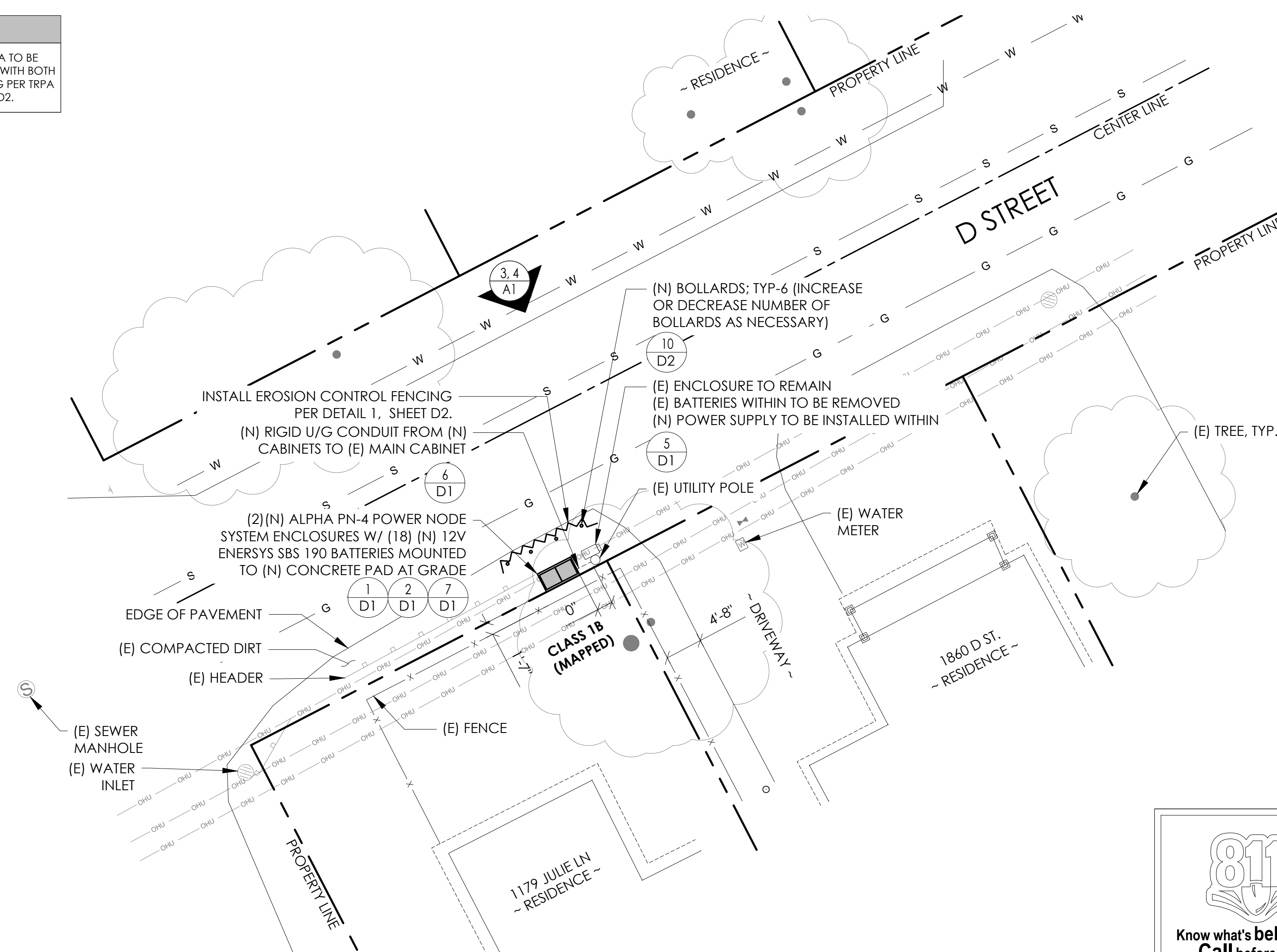
J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-058751

ISSUE STATUS

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Lists revision history from A to 6.

NOTE

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHEET D2.



811 logo and text: TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811. TOLL FREE: 1-800-227-2600 OR www.usanorth811.org. CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.

DRAWING INDEX

Table with 2 columns: SHEET, DESCRIPTION. Lists sheets T1, LS-1, A1, D1, D2, and TC1.

PROJECT TEAM

Table with 3 columns: OWNER, ENGINEER/ARCHITECT, APPLICANT. Lists Charter Communications, J5 Infrastructure Partners, and Alpha Technologies, Inc.

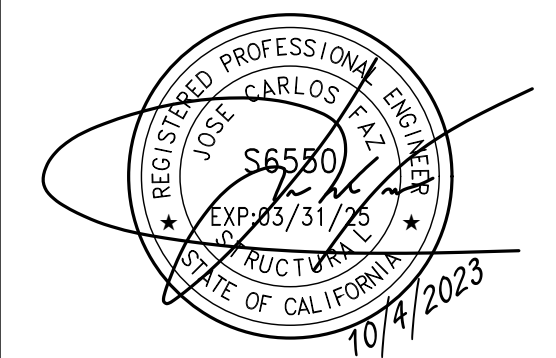
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID: ST126C_A
SITE ADDRESS: 1860 D ST, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

T1

SITE PLAN

24"x36" SCALE: 1" = 10'-0"
11"x17" SCALE: 1" = 20'-0"
Scale bar and north arrow.



VICINITY MAP
N.T.S.



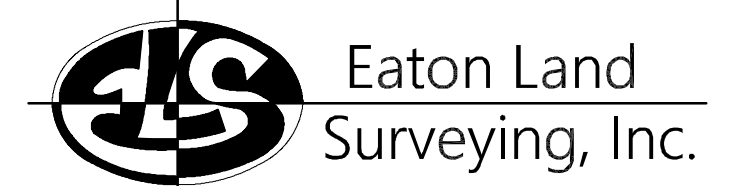
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

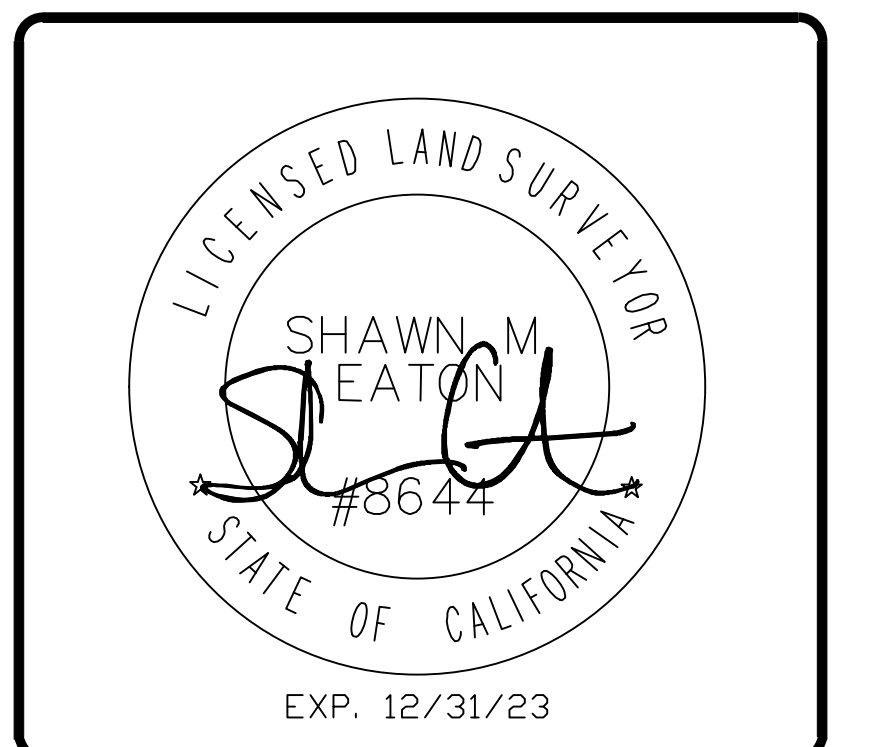
ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST126C_A
1860 D ST.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/28/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

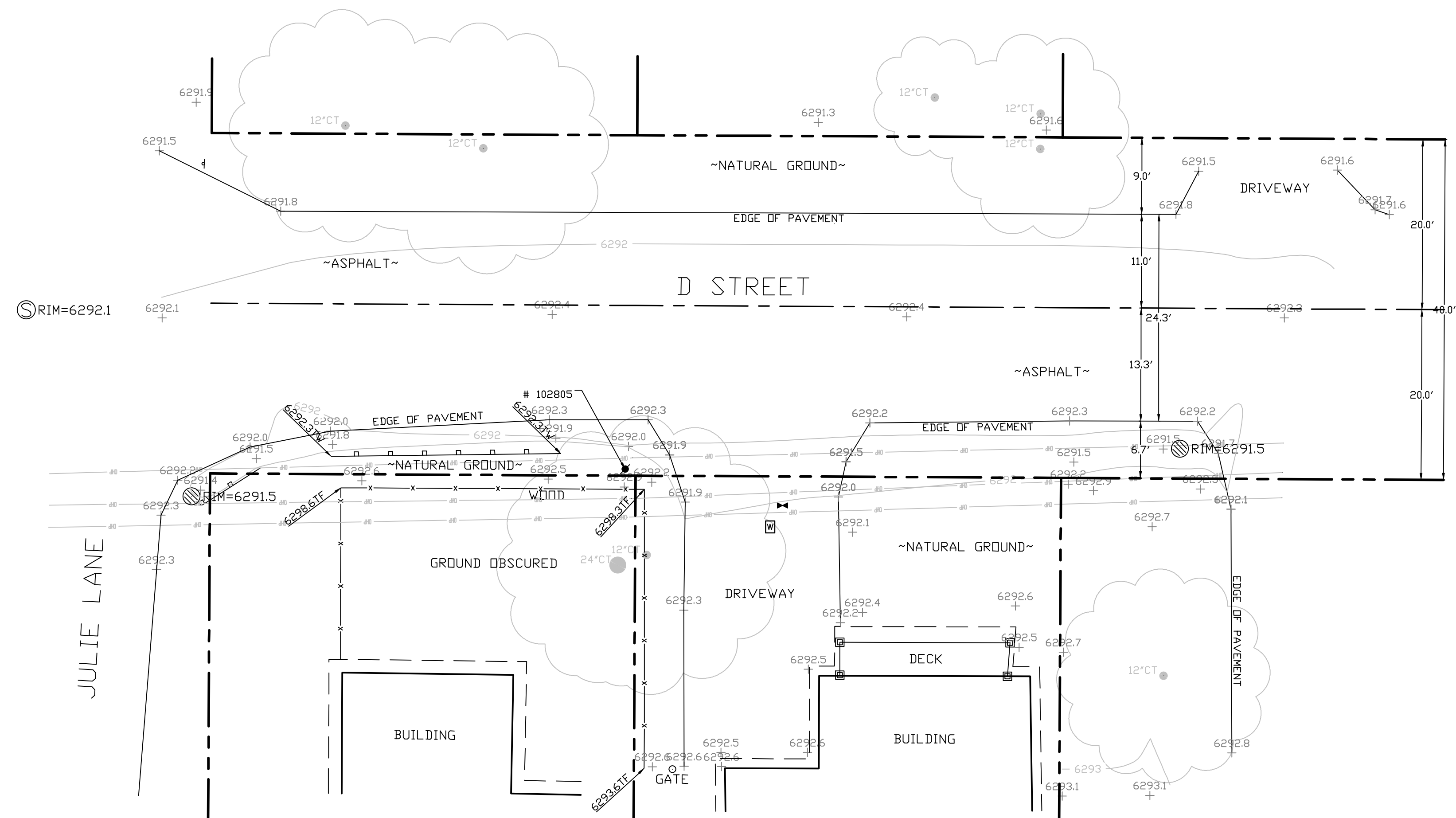
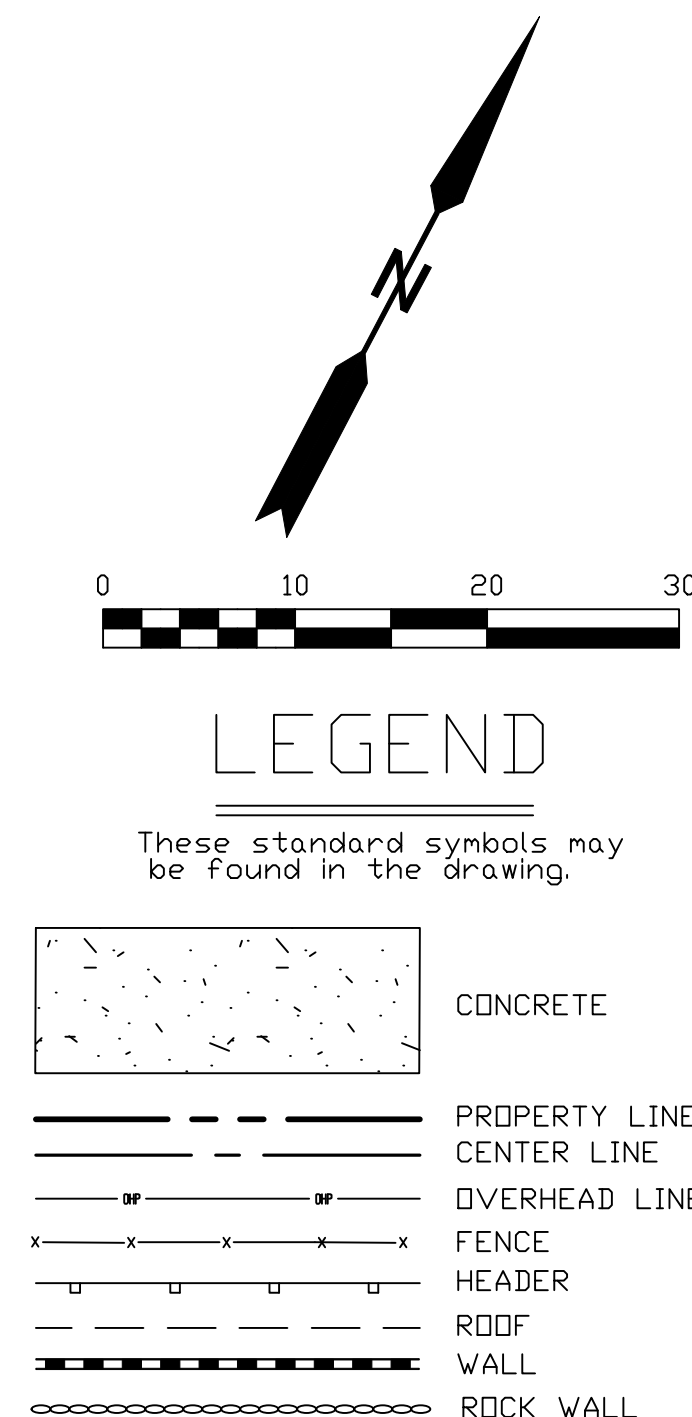
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0369E, DATED 09/26/2008.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

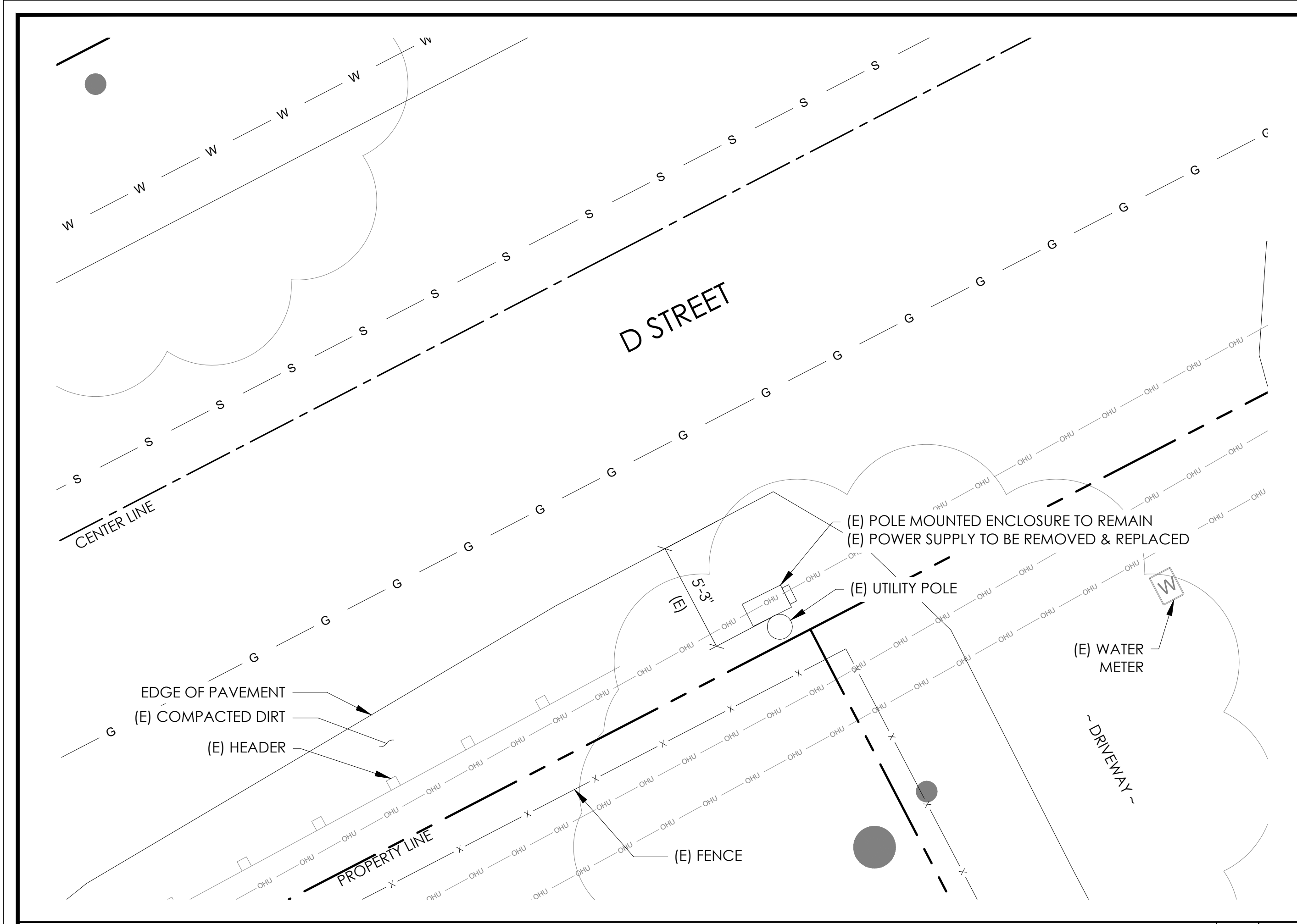
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 39 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 032-281-001-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032325 DATED 08/31/2023;

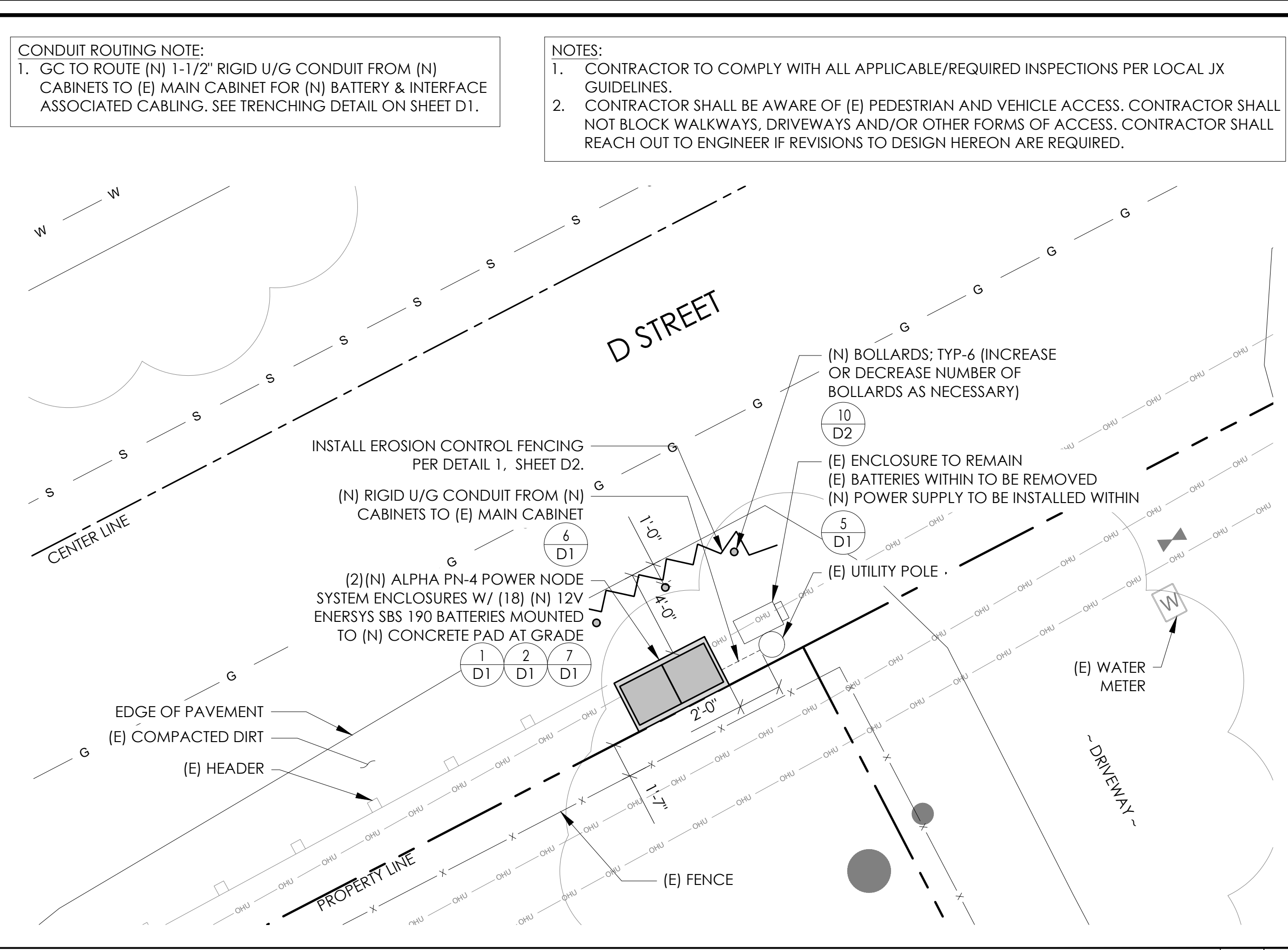


SITE SURVEY
SCALE 1"=10'

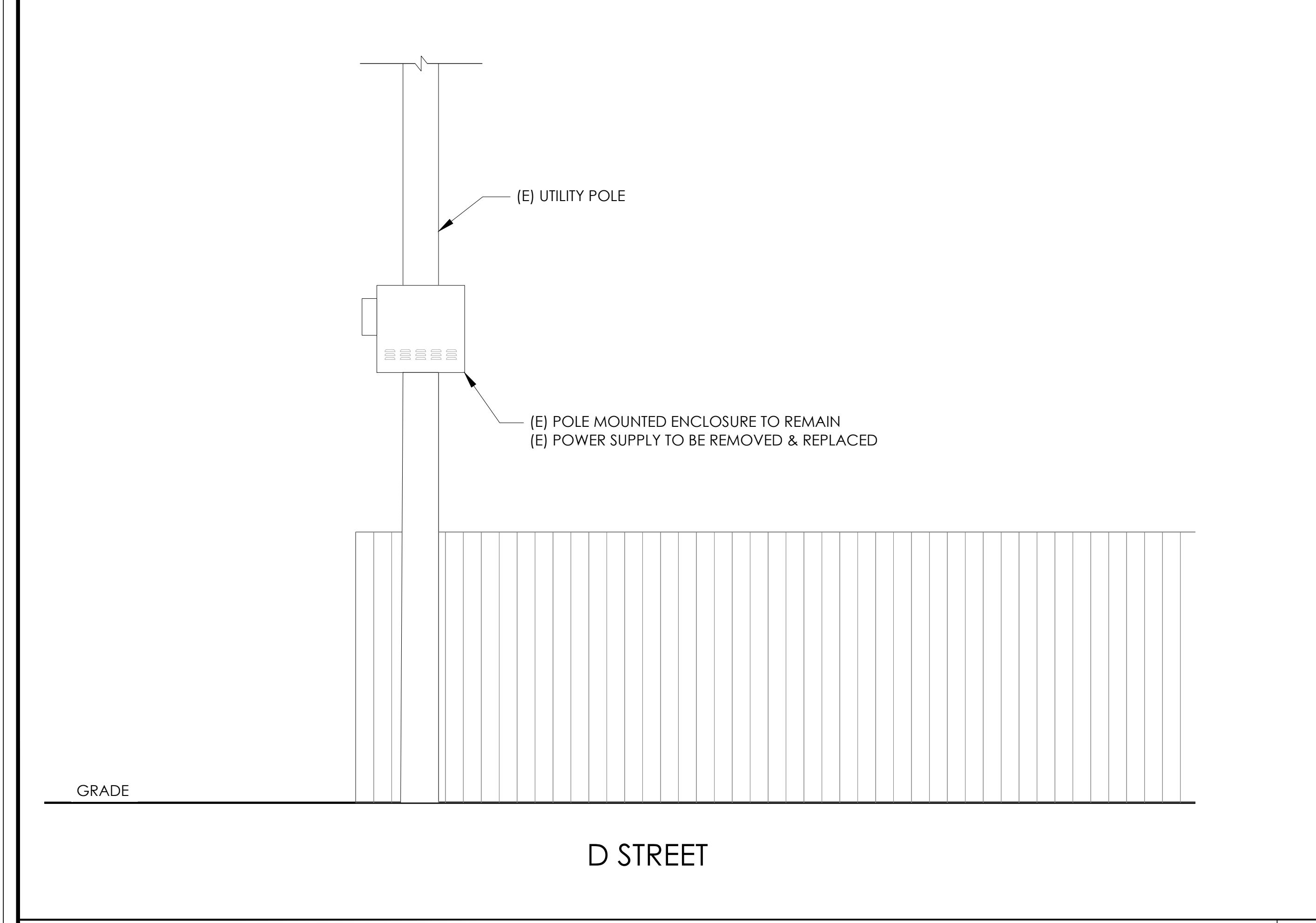




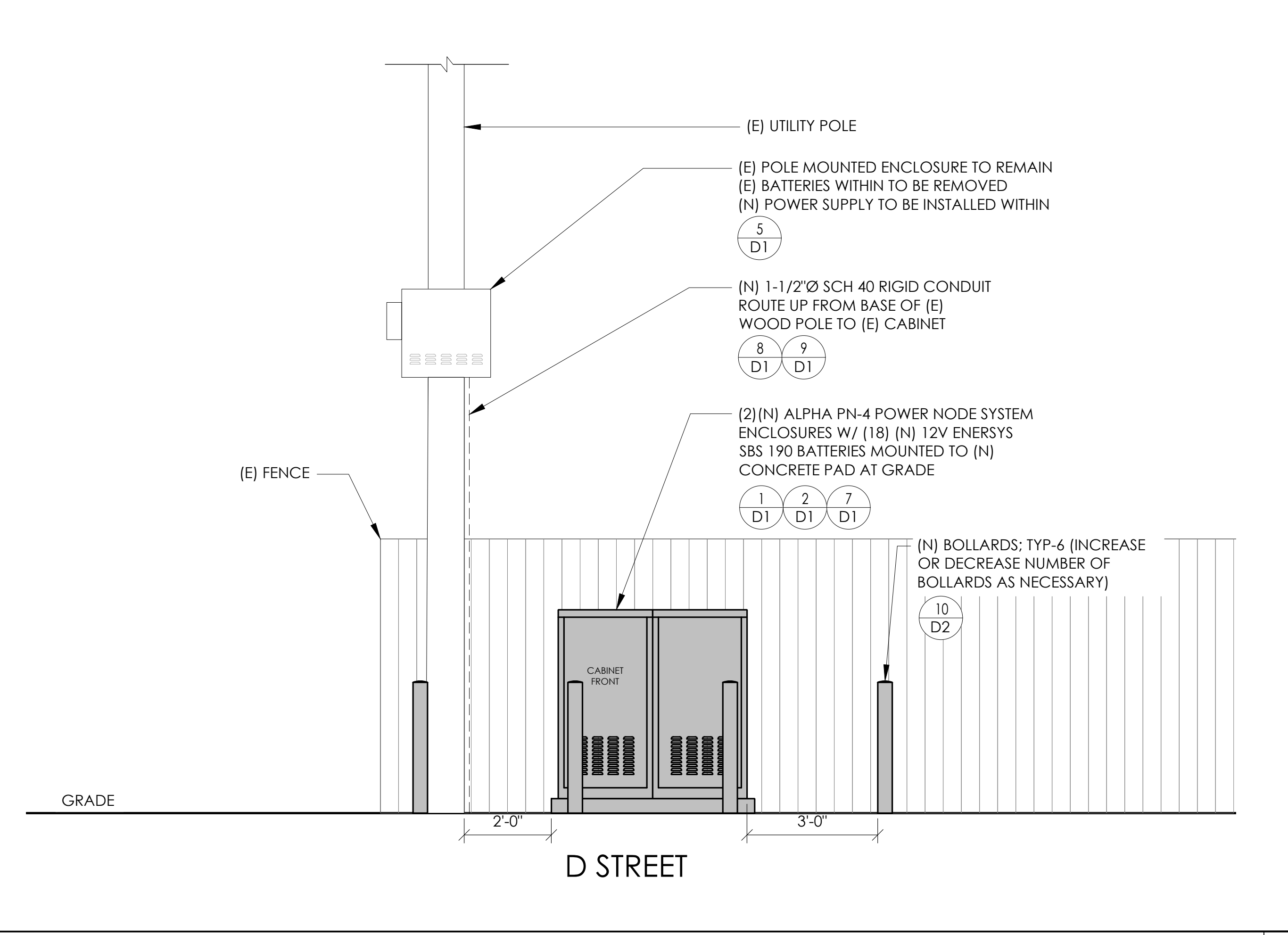
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4



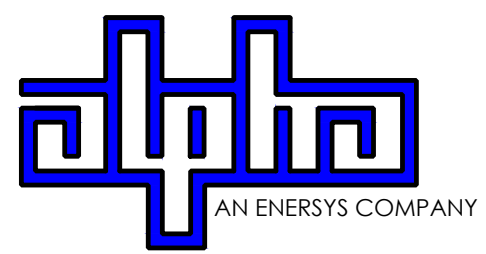
PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3

CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

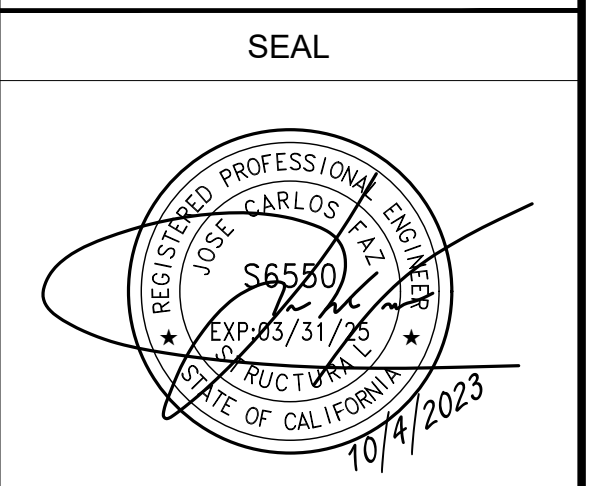


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058751

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	05/02/23	100% CD REV PER PCC#2	ES
4	08/28/23	100% CD REV PER PCC#2	JG
5	06/22/23	100% CD REV PER PCC#3	ES
6	10/04/23	SURVEY SHOT / BOLLARD ADD	MZ



SITE INFORMATION

SITE ID:
ST126C_A

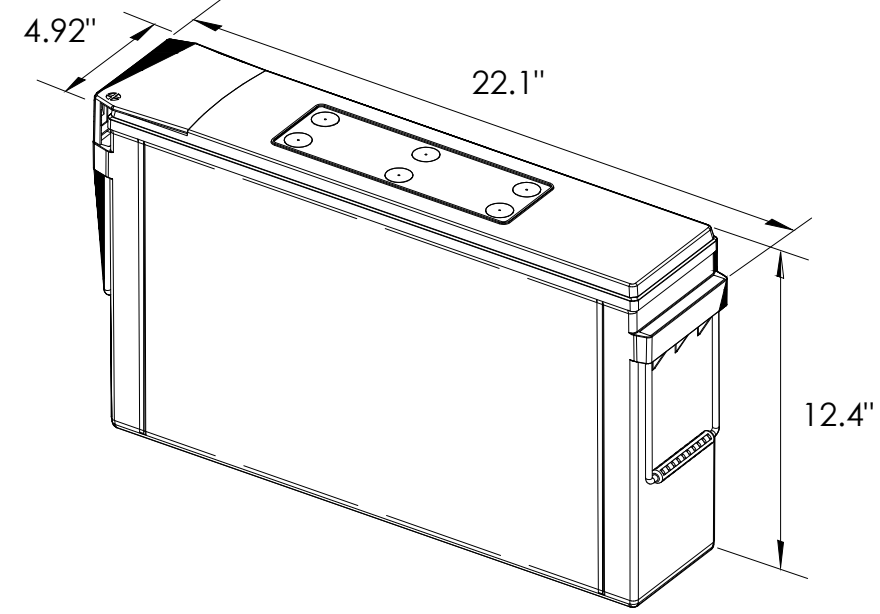
SITE ADDRESS:
1860 D ST,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



ENERSYS SBS 190F BATTERY UNIT



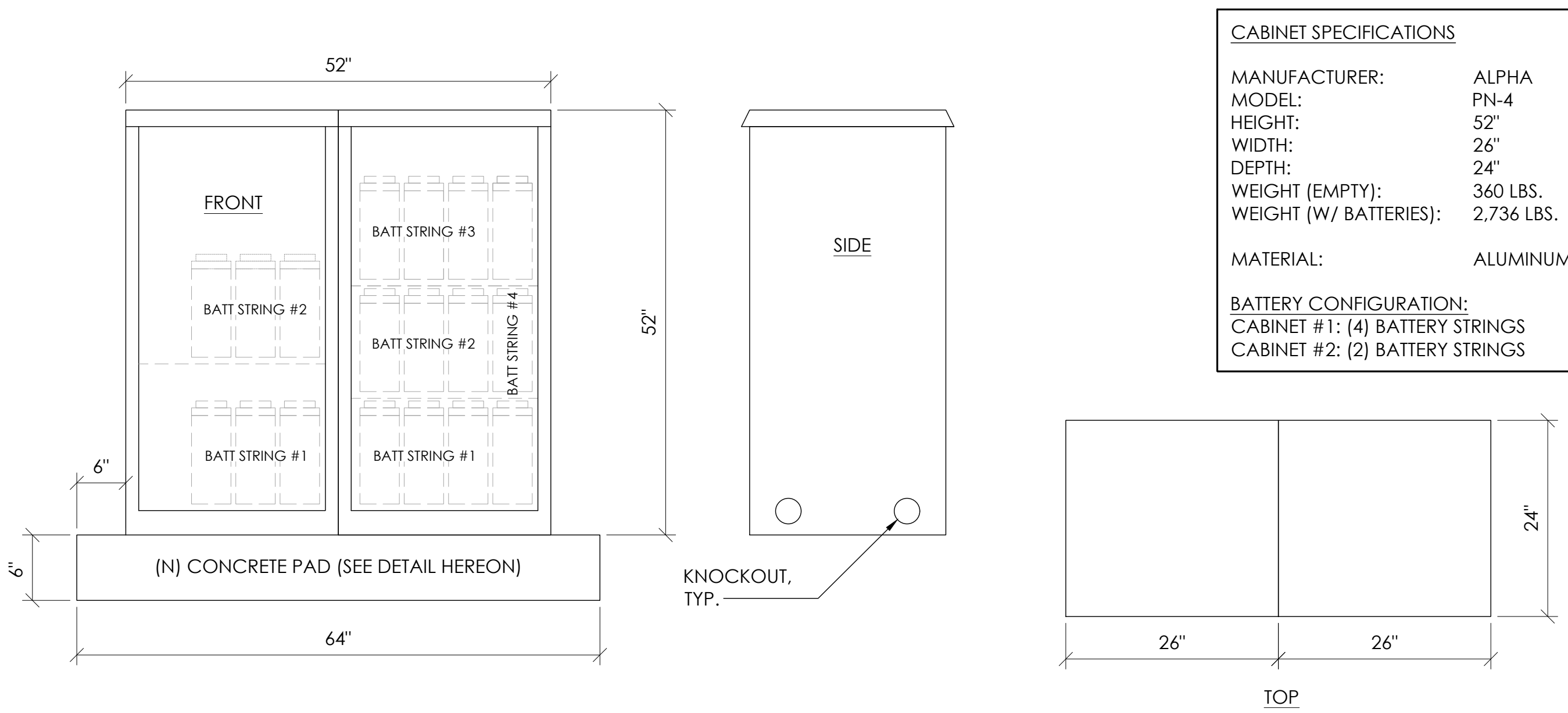
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG:	ENERSYS
MODEL:	SBS 190 FT
HEIGHT:	12.4 IN
WIDTH:	4.92 IN
LENGTH:	22.1 IN
WEIGHT:	132 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE SBS 190F	18	12	190	2.28	41.04			2.34	42.12
TOTAL		18				41.04	70	CFC 2019 SECTION 1206 DOES NOT APPLY		42.12

7 BATTERY SPECIFICATIONS
N.T.S.

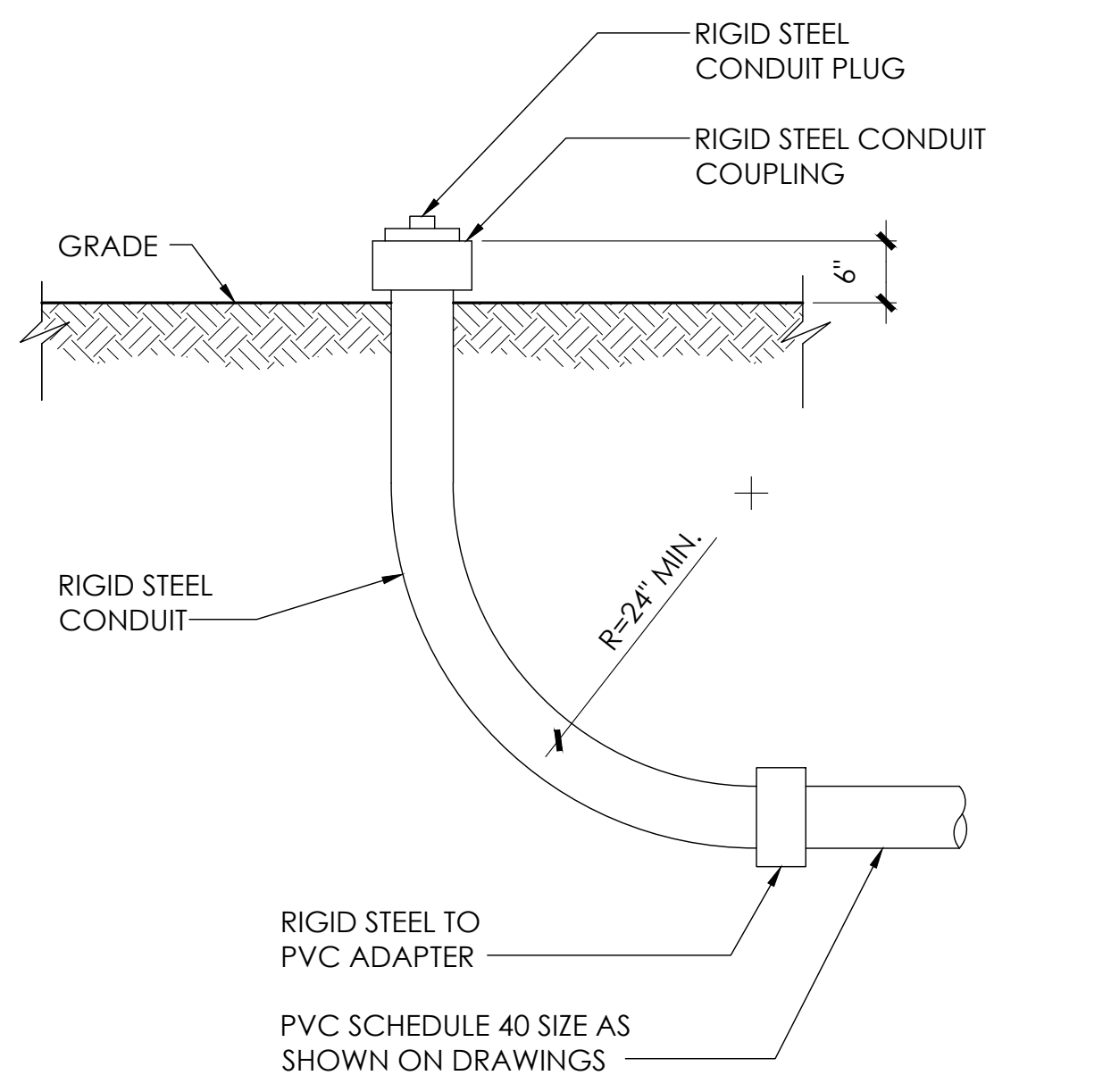


CABINET SPECIFICATIONS

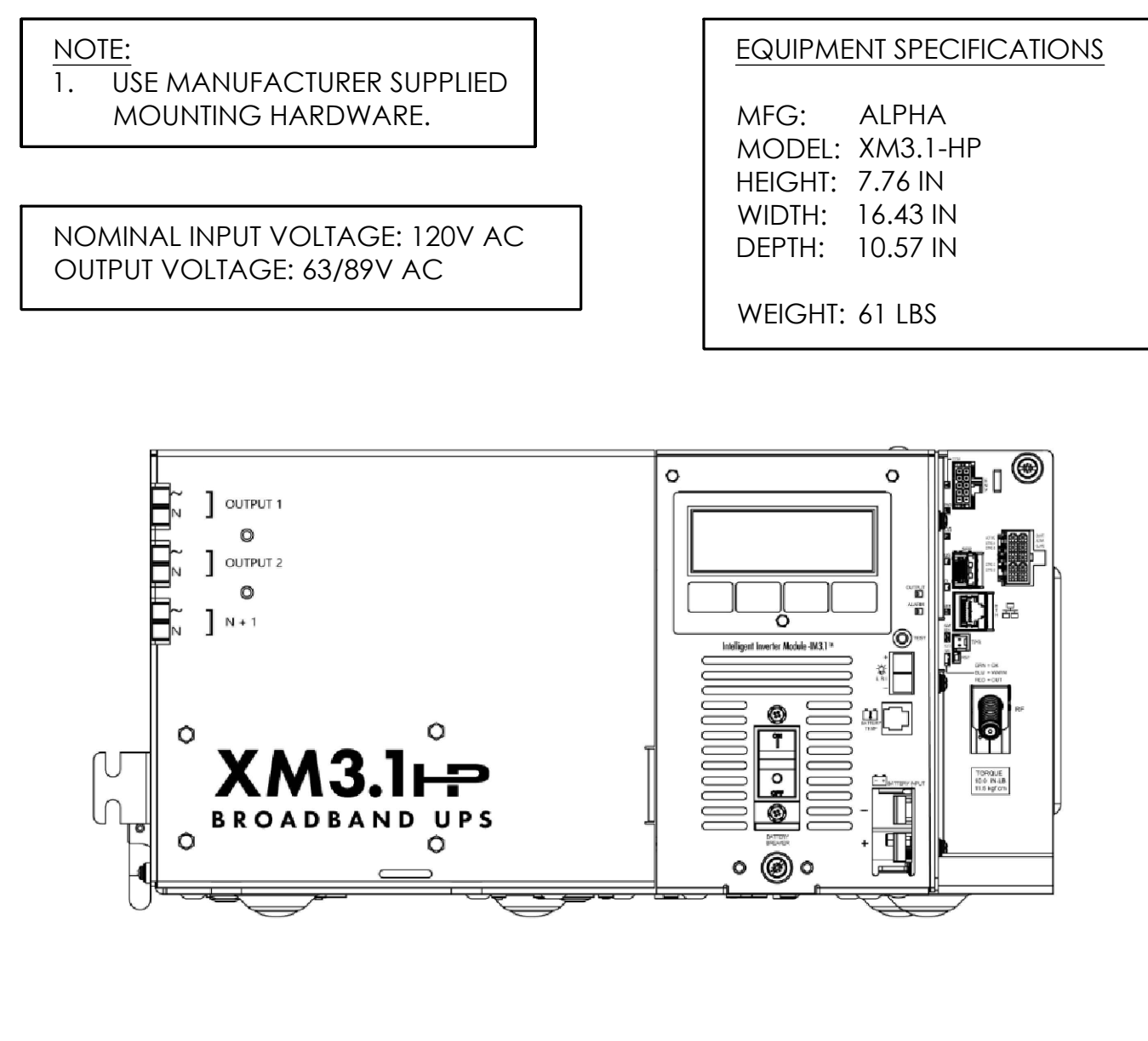
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,736 LBS.
MATERIAL:	ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS

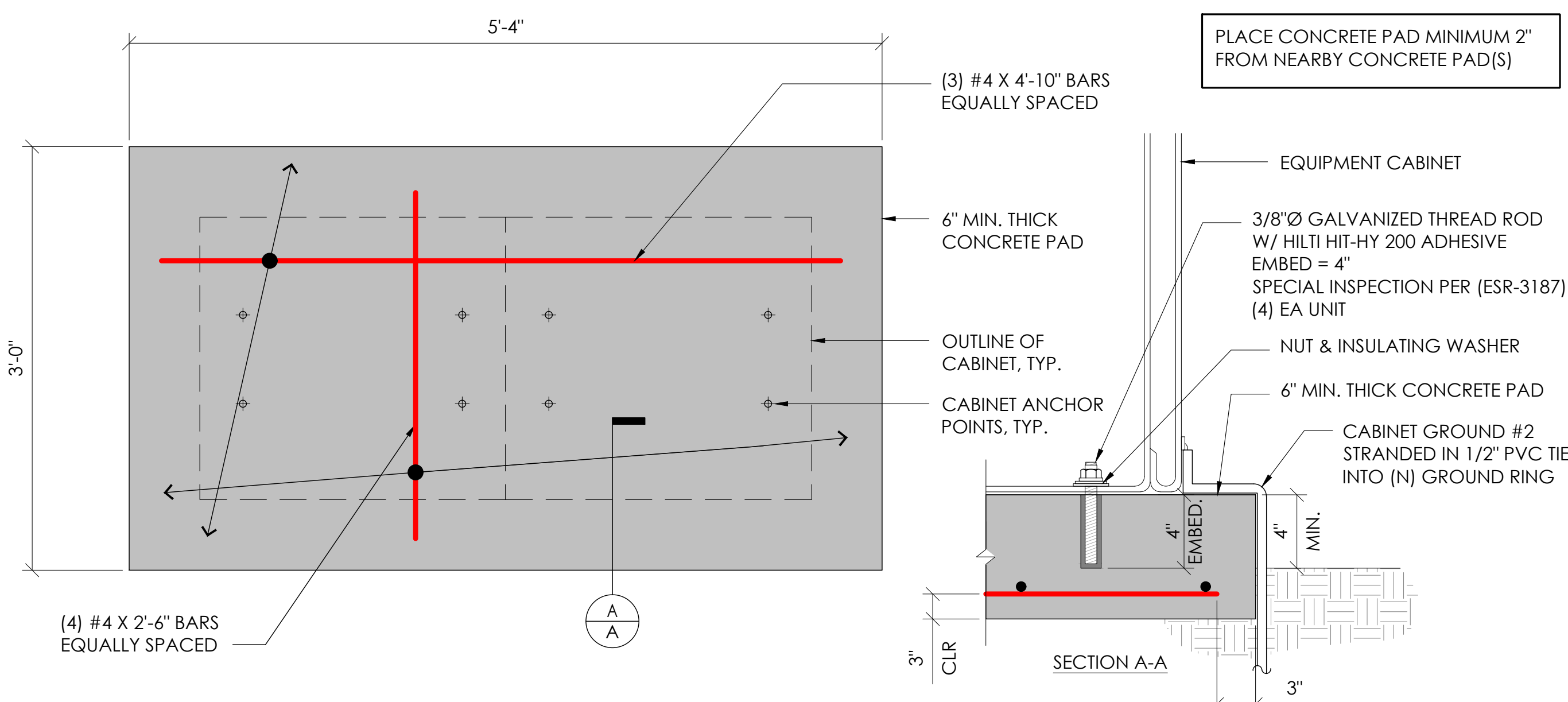
1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



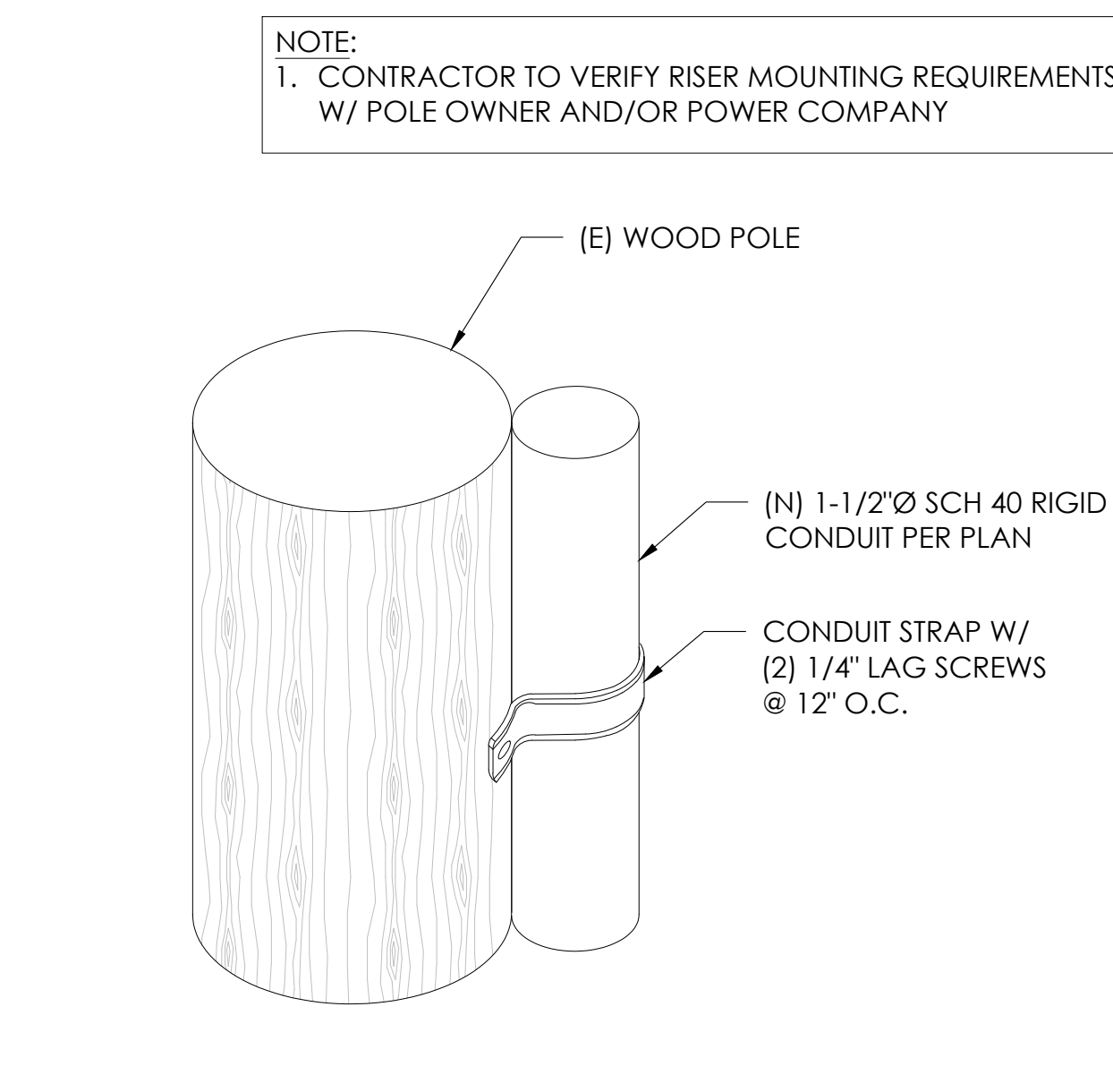
8 STUB-UP DETAIL
N.T.S.



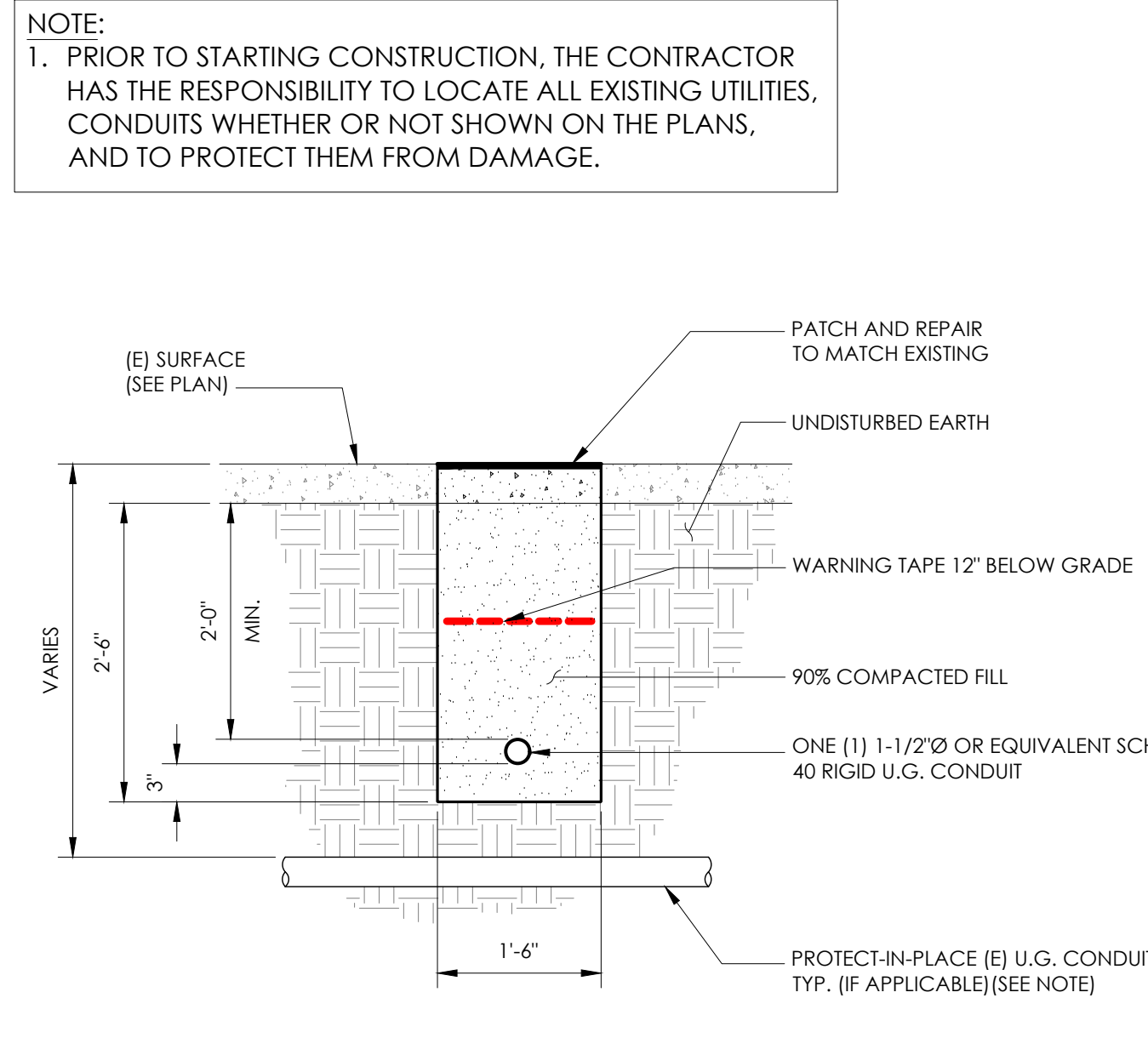
5 POWER SUPPLY DETAIL
N.T.S.



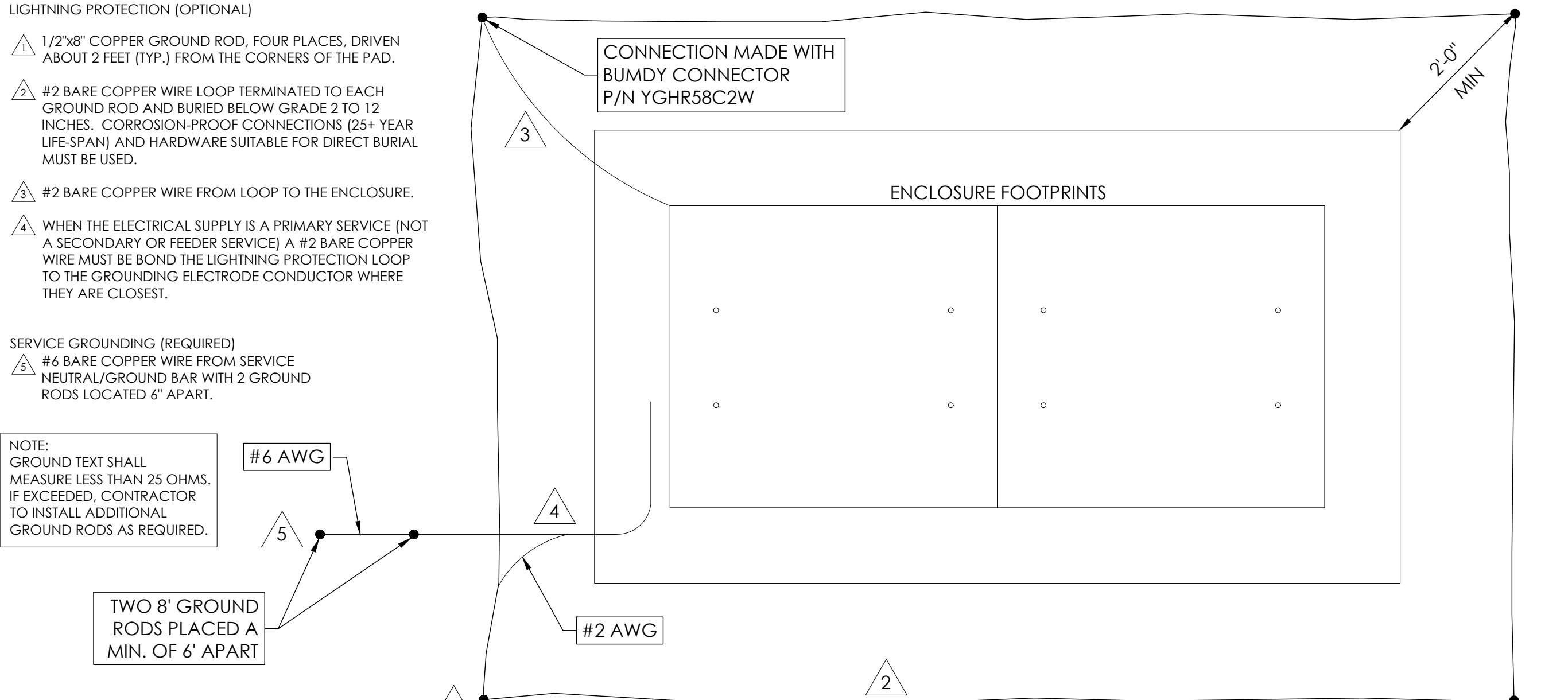
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



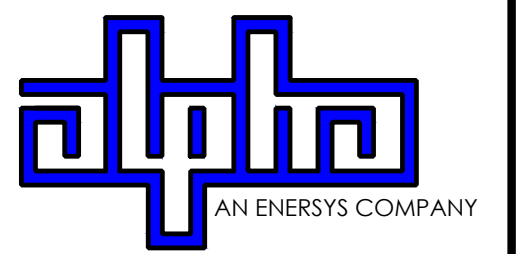
6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



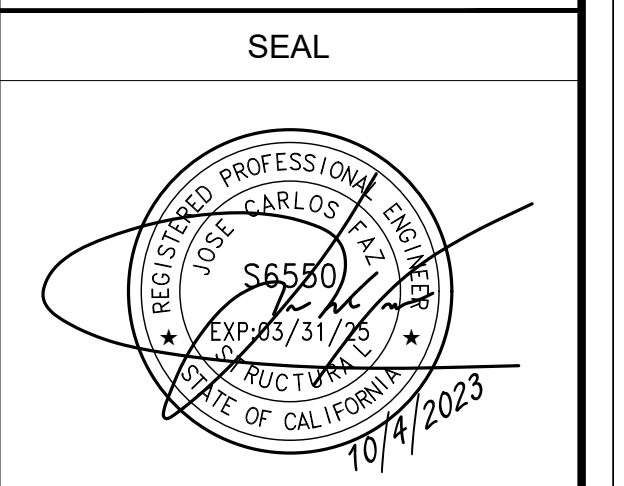
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058751

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	05/02/23	100% CD REV PER PCC#2	ES
4	08/28/23	100% CD REV PER PCC#2	JG
5	06/22/23	100% CD REV PER PCC#3	ES
6	10/04/23	SURVEY SHIT / BOLLARD ADD	MZ



SITE INFORMATION

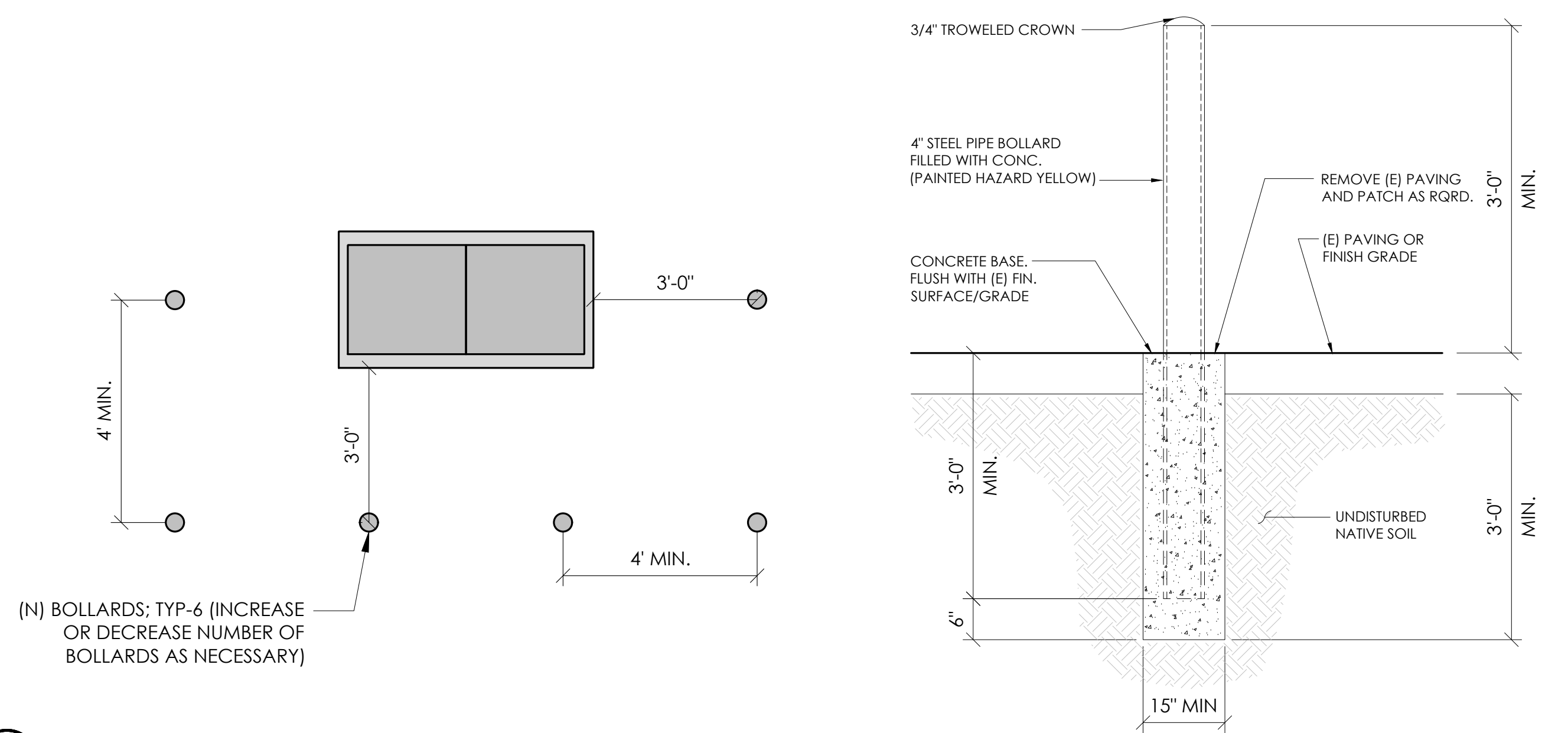
SITE ID:
ST126C_A

SITE ADDRESS:
1860 D ST,
SOUTH LAKE TAHOE, CA
96150

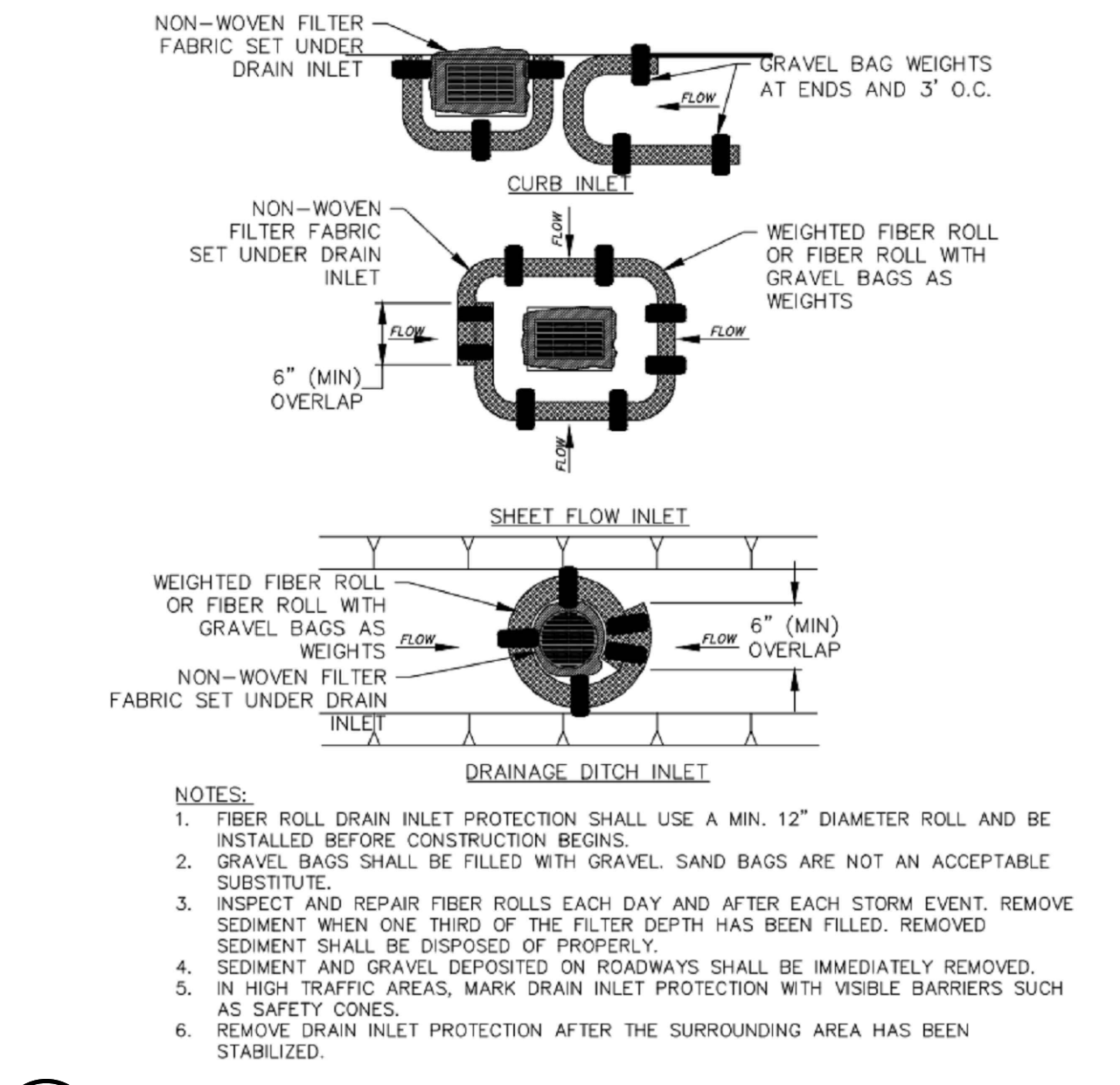
SHEET TITLE:

DETAILS

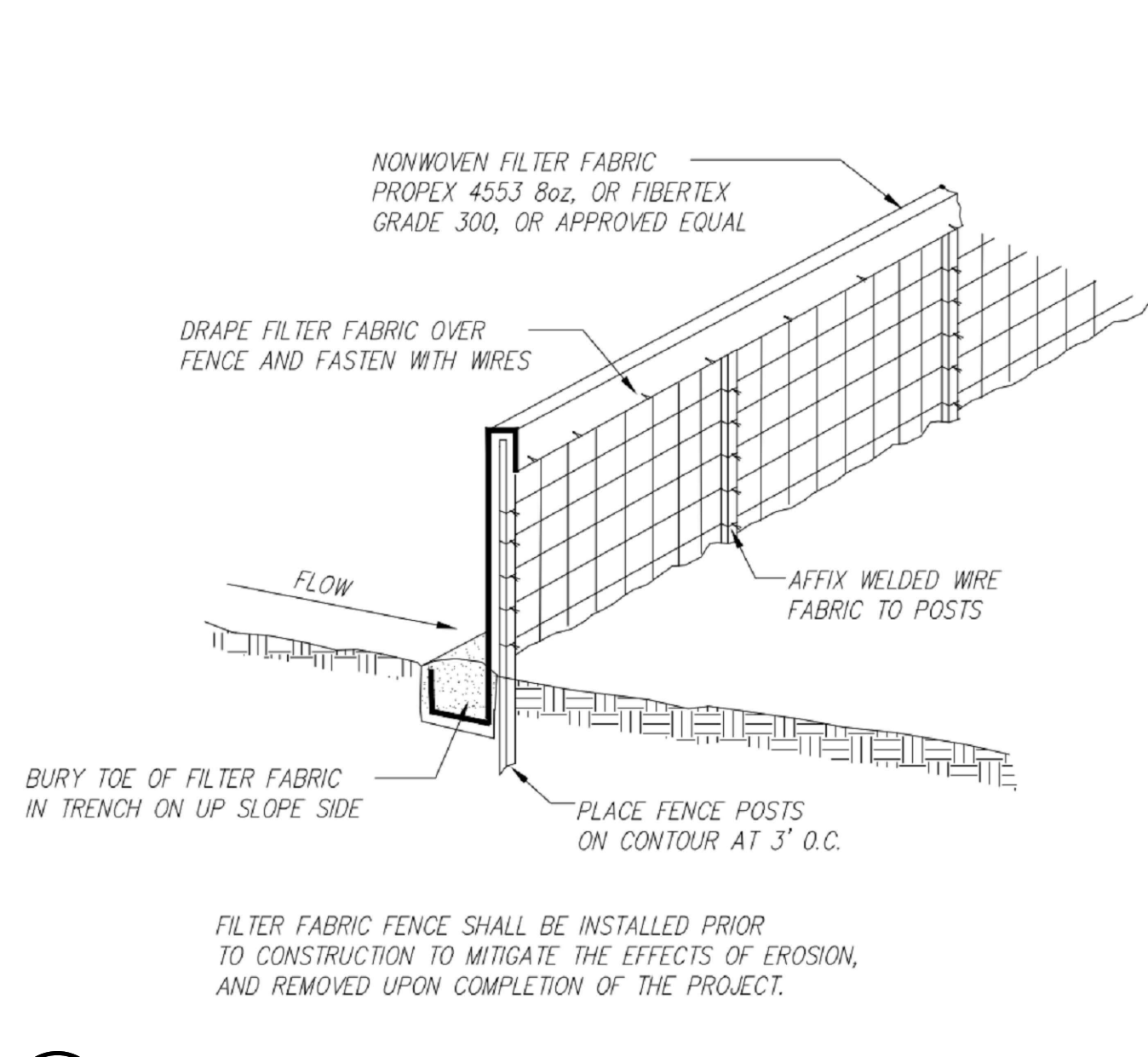
D1



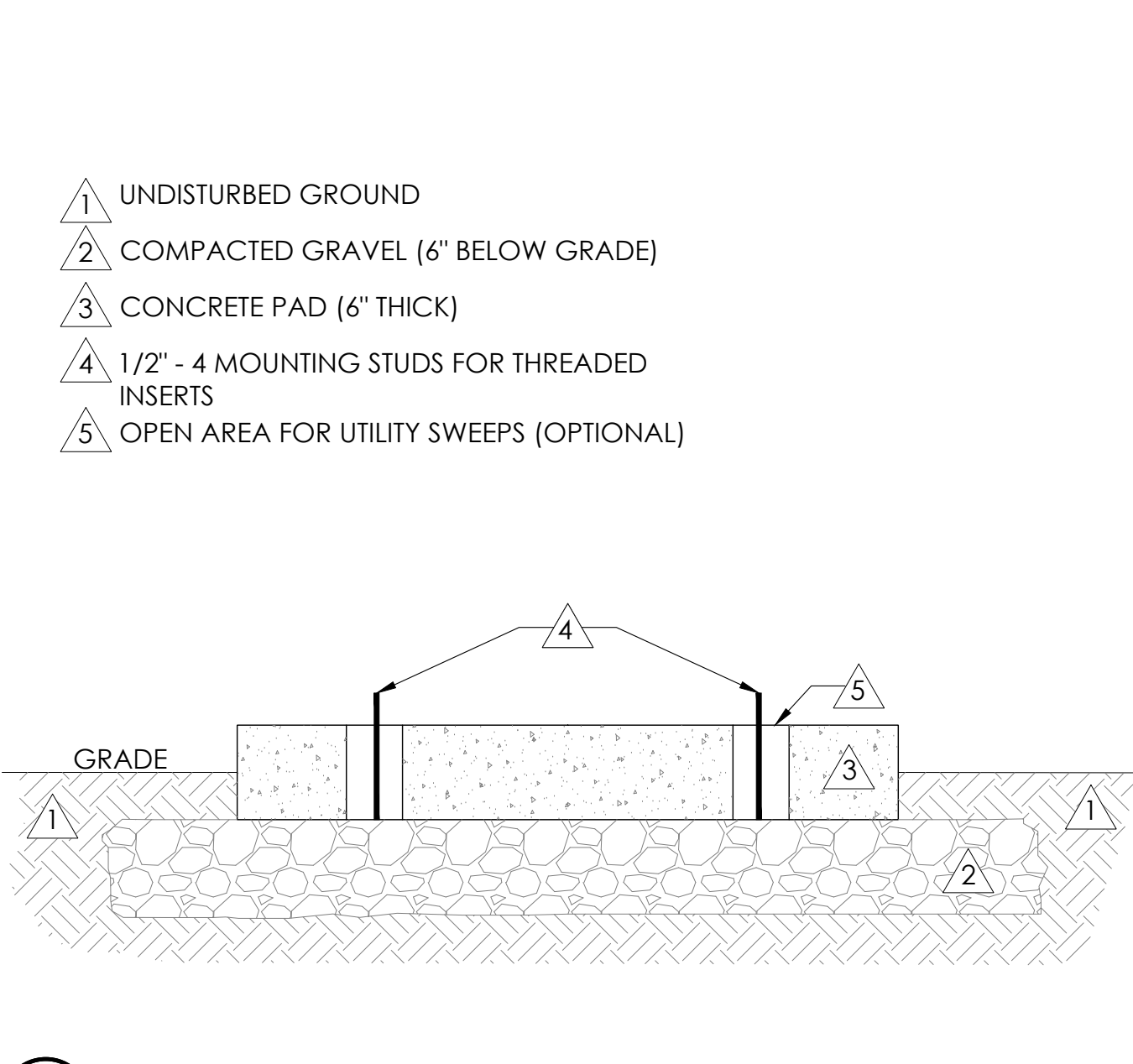
10 BOLLARD DETAIL
N.T.S.



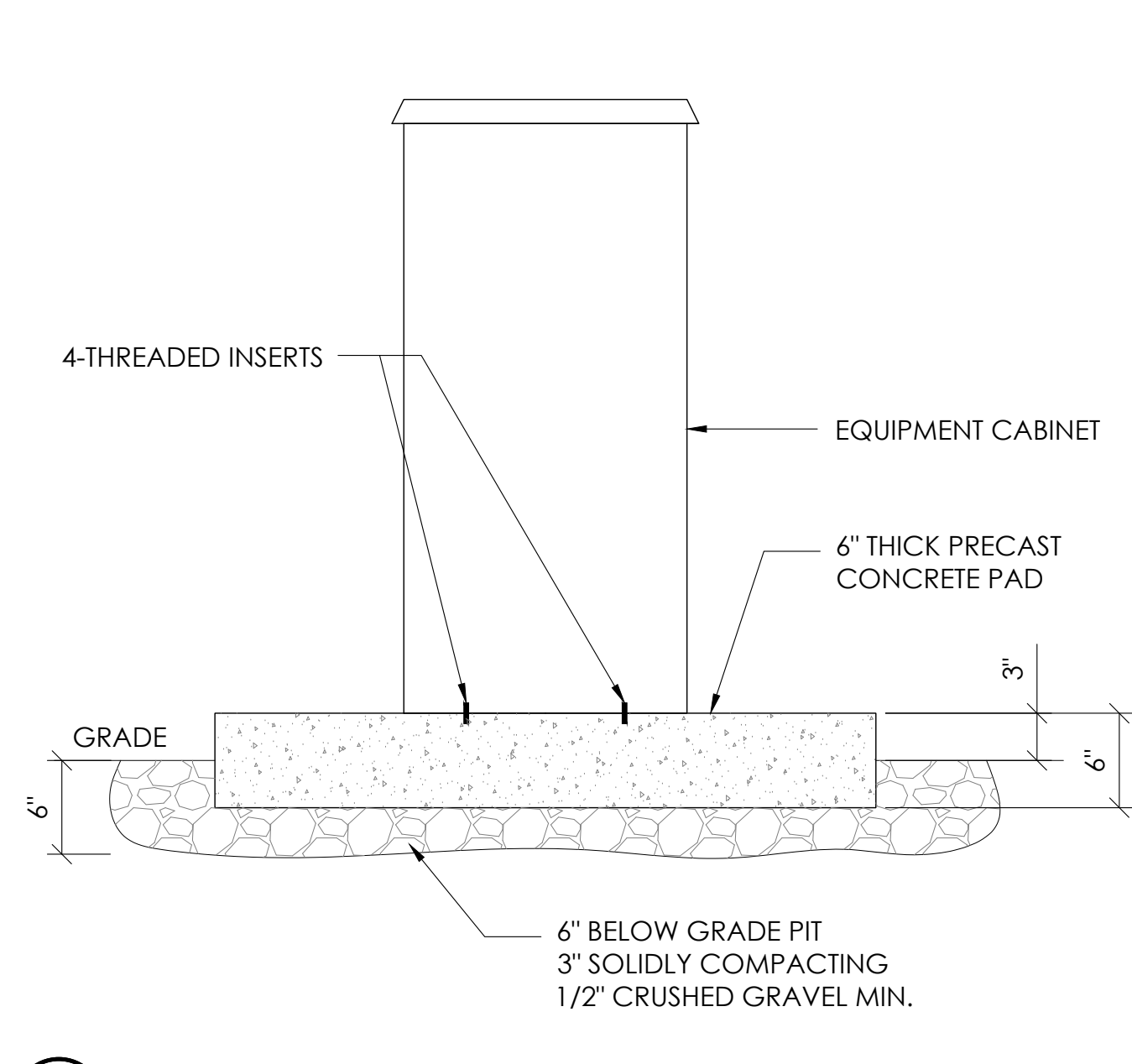
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



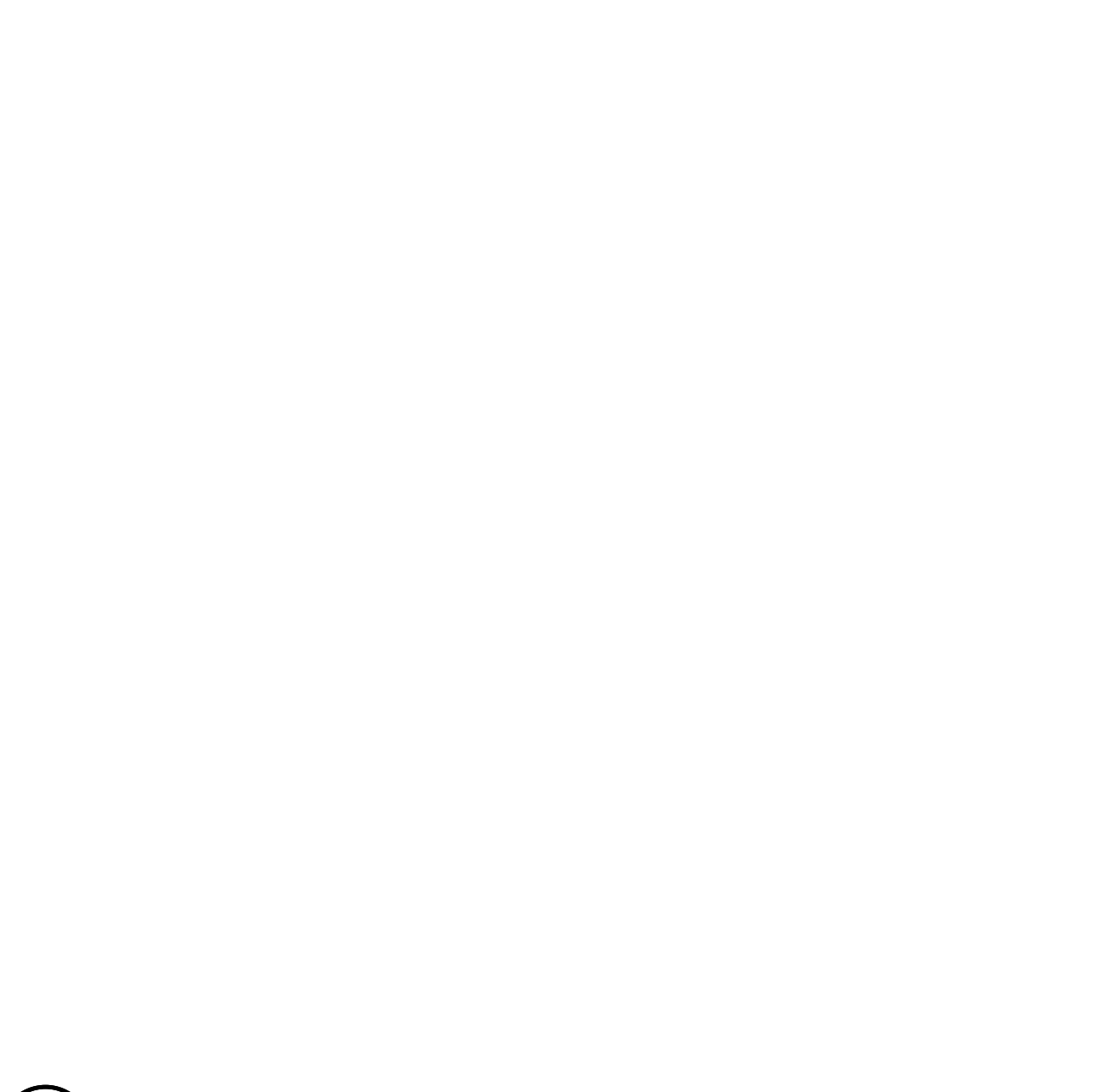
1 EROSION CONTROL FENCING
N.T.S.



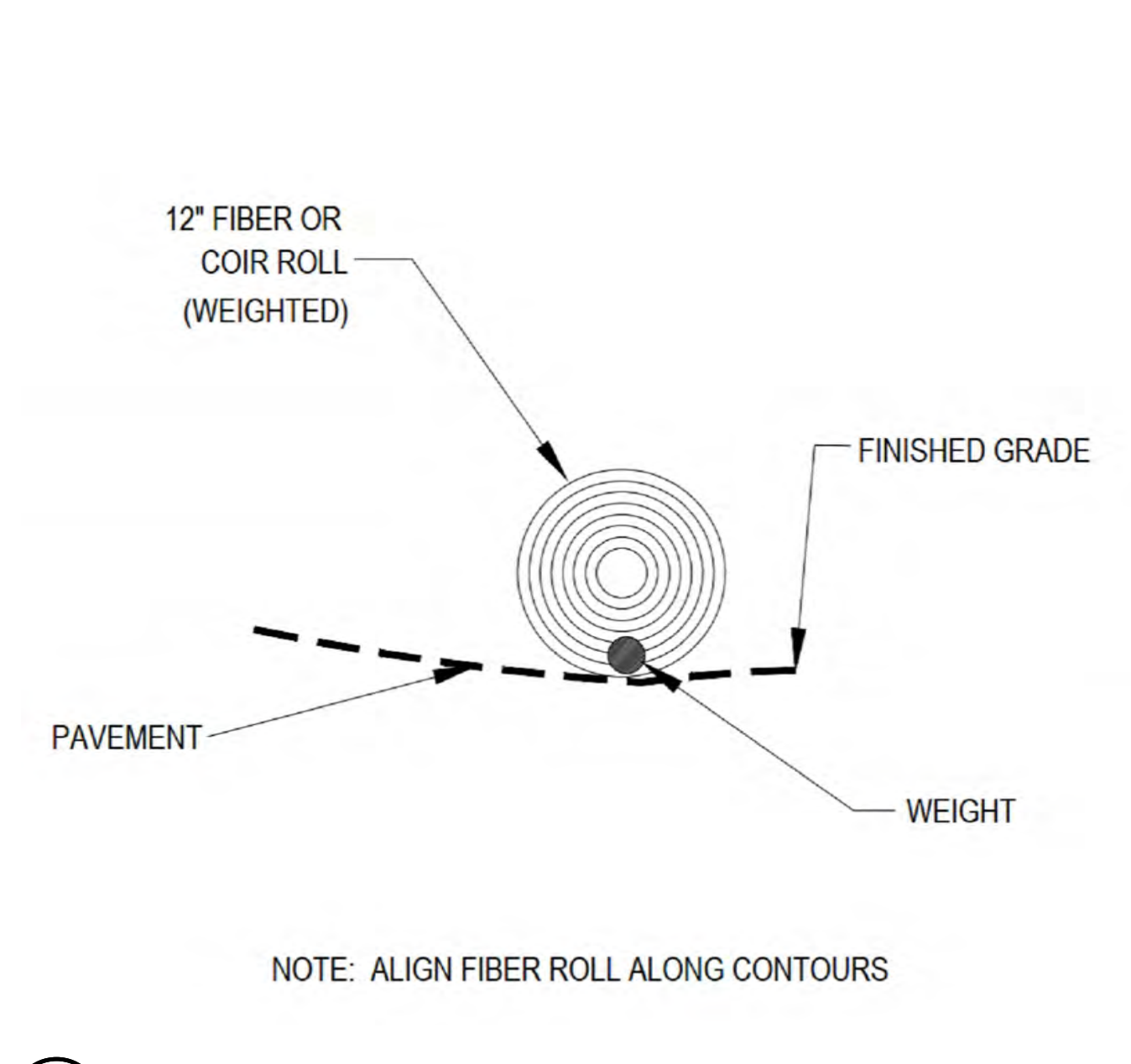
11 FOUNDATION BASE FOR PN4
N.T.S.



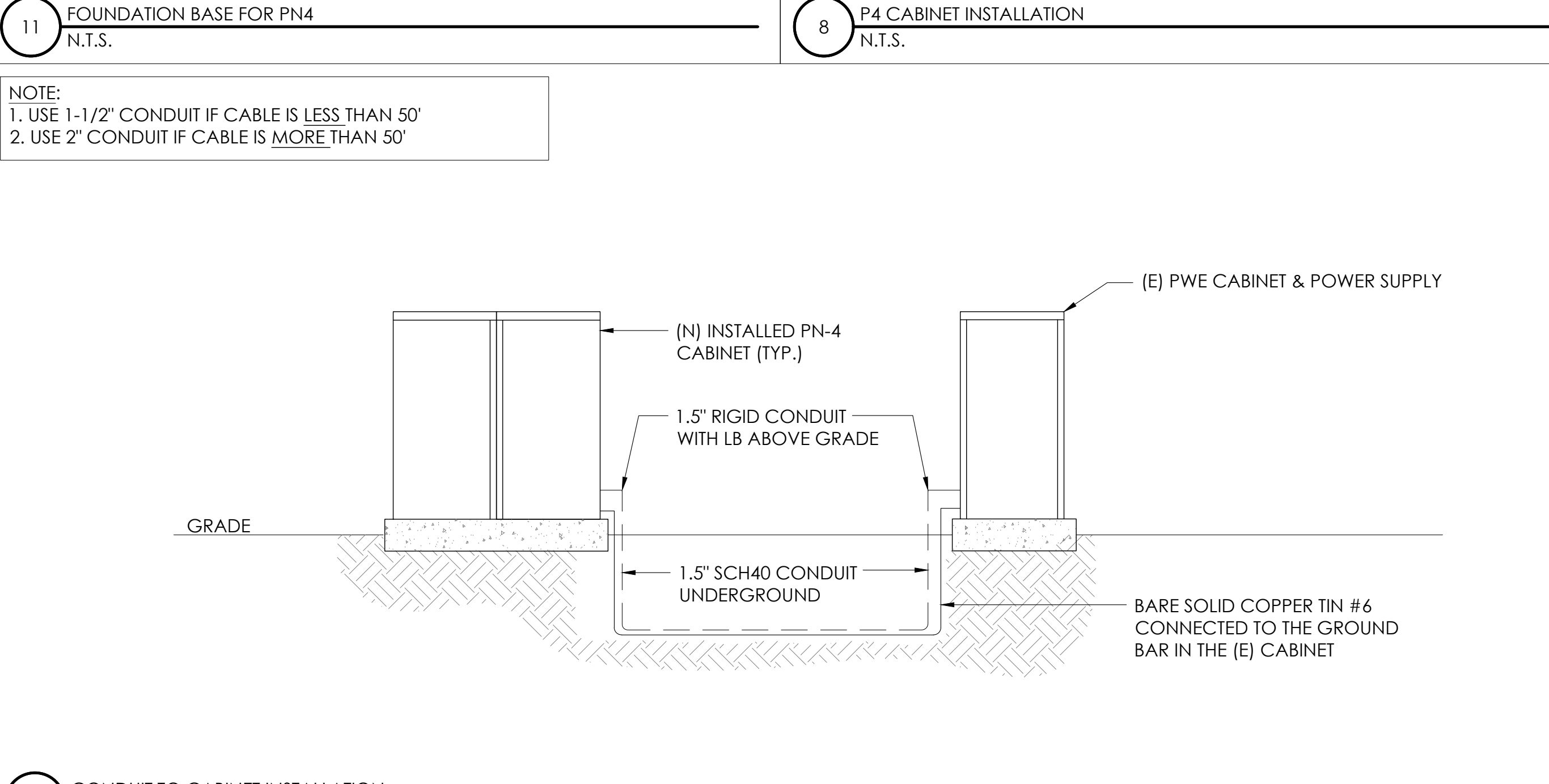
8 P4 CABINET INSTALLATION
N.T.S.



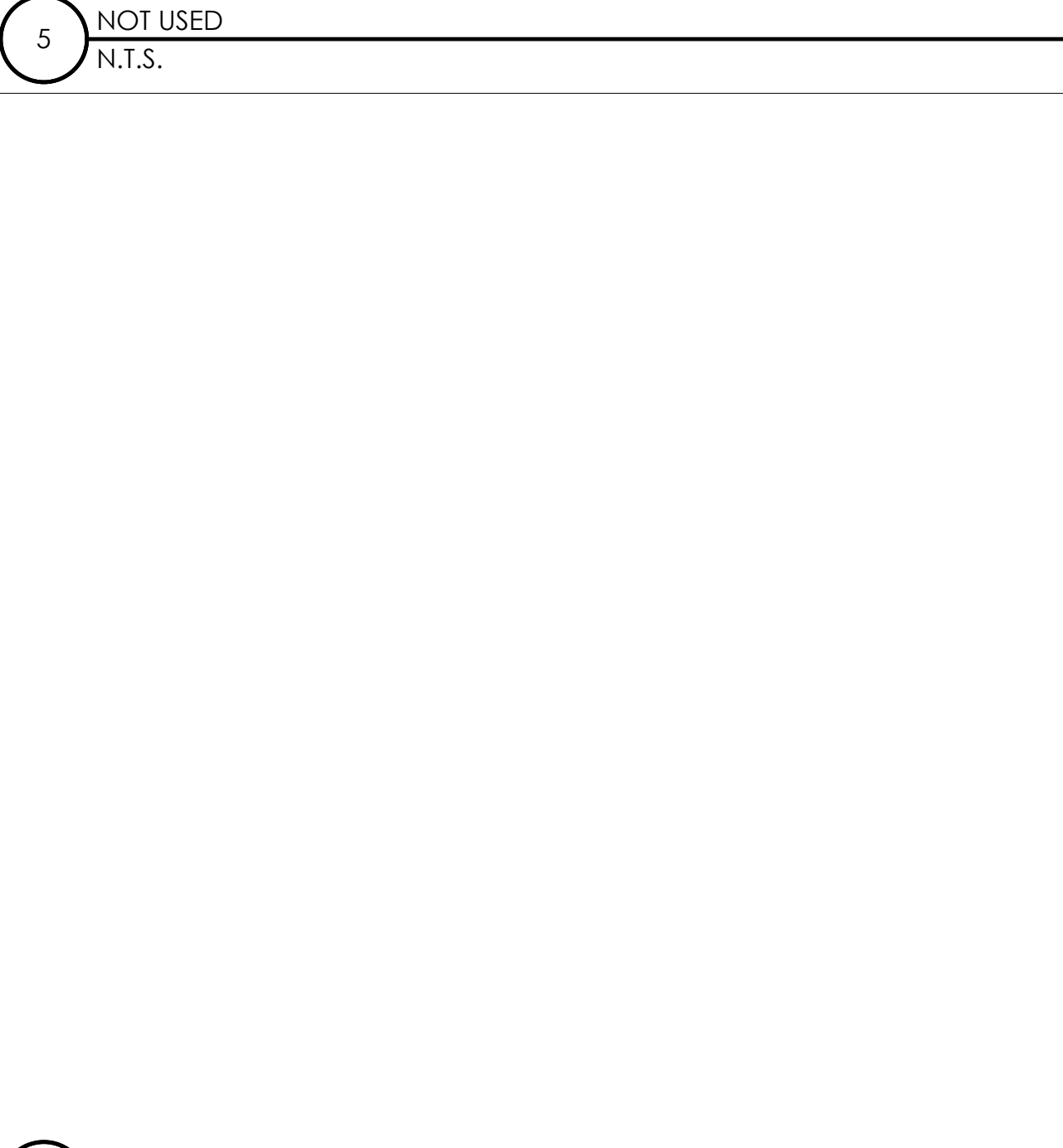
5 NOT USED
N.T.S.



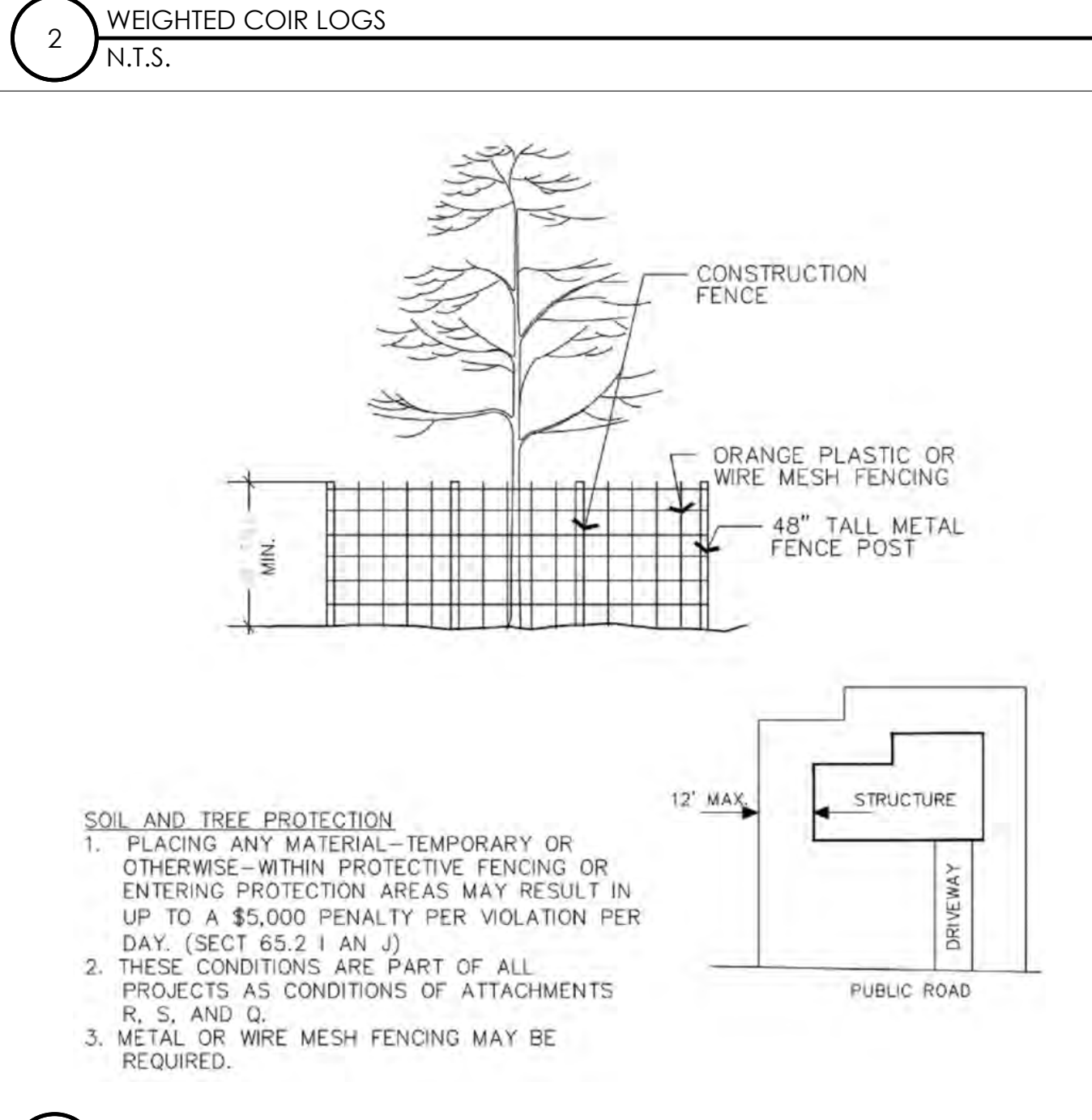
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



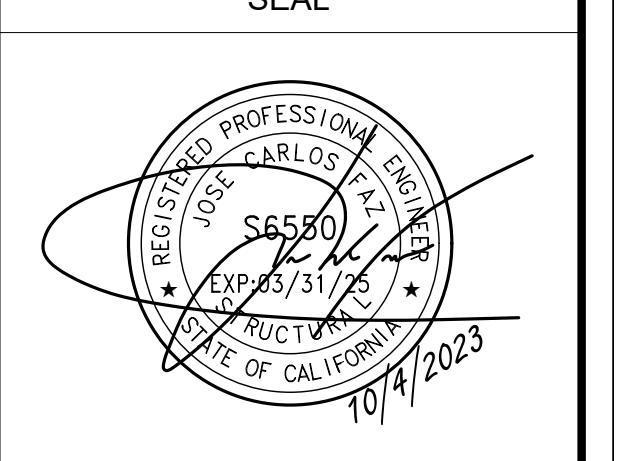
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058751

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	05/02/23	100% CD REV PER PCC#2	ES
4	08/28/23	100% CD REV PER PCC#2	JG
5	06/22/23	100% CD REV PER PCC#3	ES
6	10/04/23	SURVEY SHT / BOLLARD ADD	MZ

REV	DATE	DESCRIPTION	BY
SEAL			



SITE INFORMATION

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ST126C_A

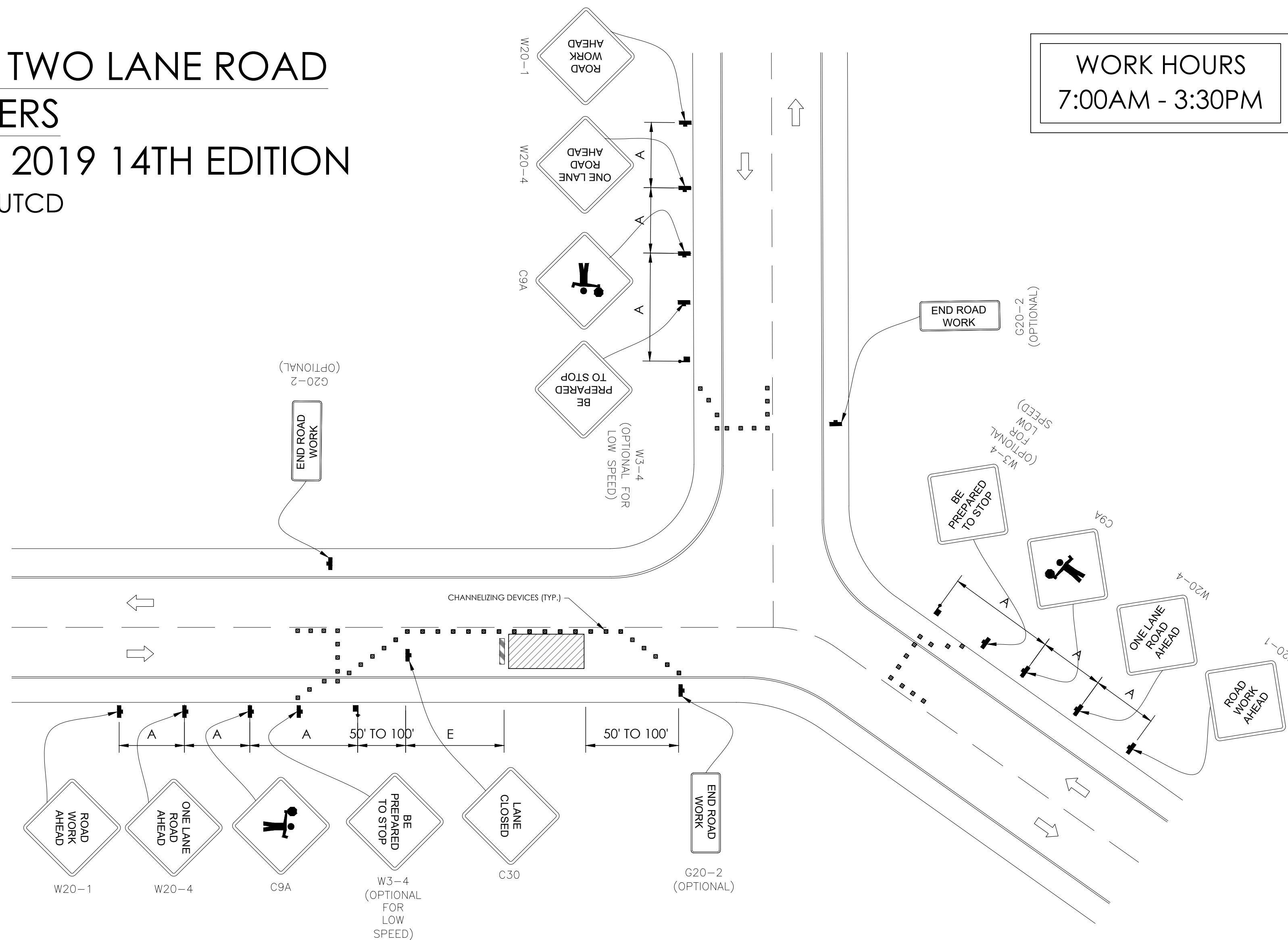
SITE ADDRESS:
1860 D ST,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD INTERSECTION USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD



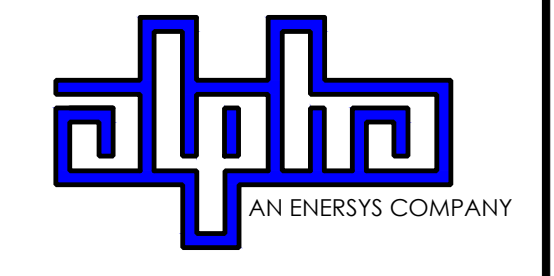
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14th EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-.3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

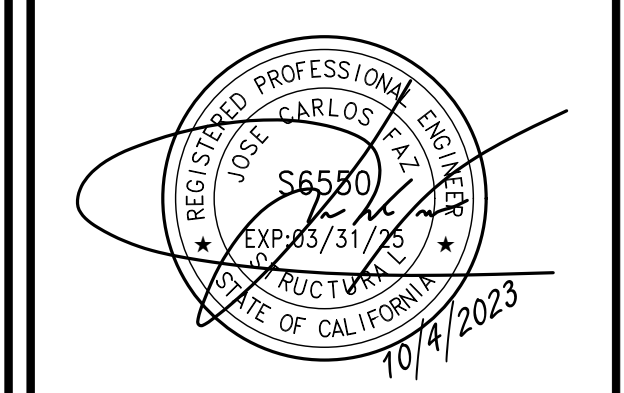


23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058751

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	AN
B	08/12/21	90% CD	JA
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	05/02/23	100% CD REV PER PCC#2	ES
4	08/28/23	100% CD REV PER PCC#2	JG
5	06/22/23	100% CD REV PER PCC#3	ES
6	10/04/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

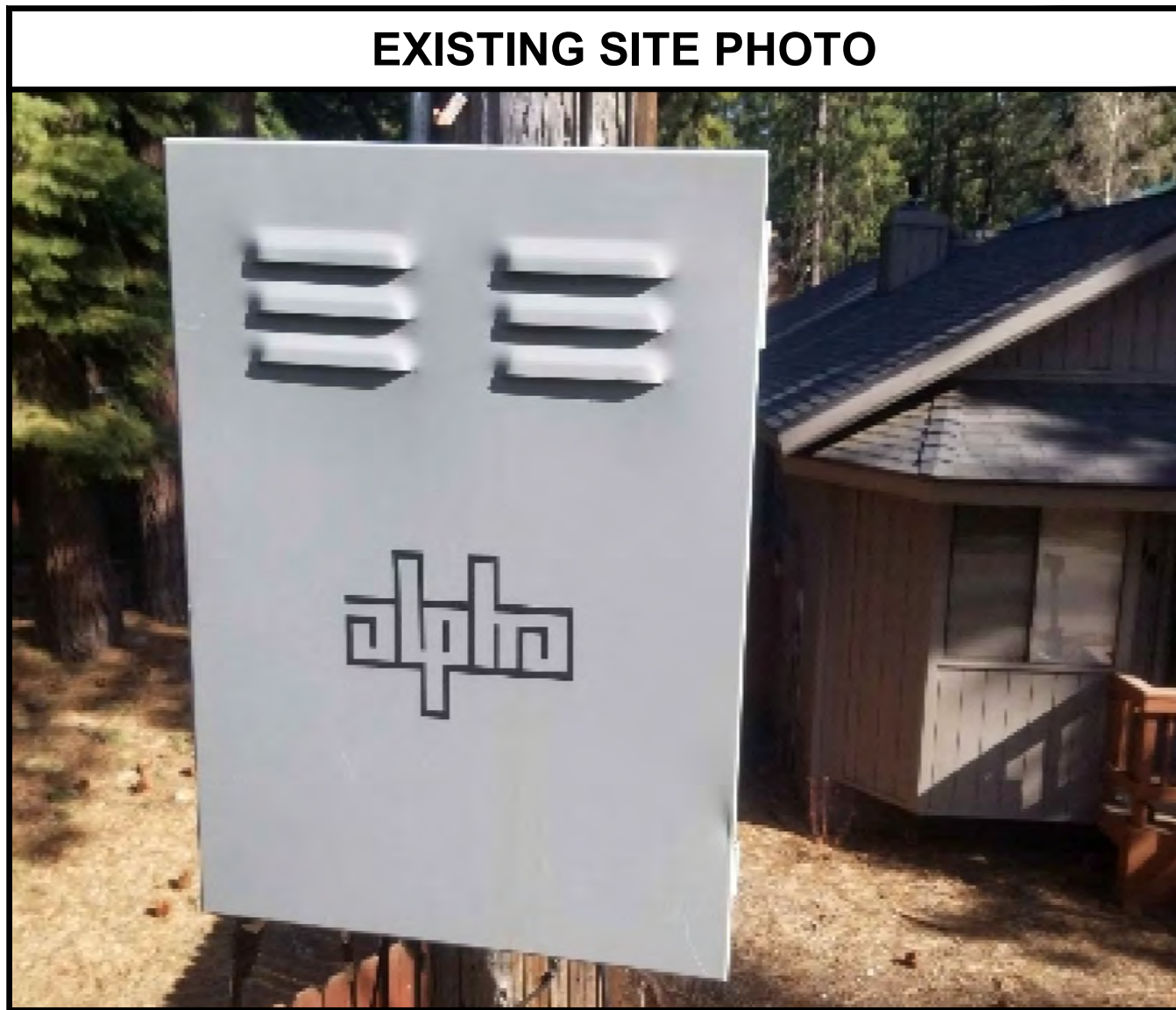
**SITE ID:
ST126C_A**

SITE ADDRESS:
1860 D ST,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1



EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST126A_

SITE ADDRESS:
1898 D ST,
SOUTH LAKE TAHOE, CA 96150

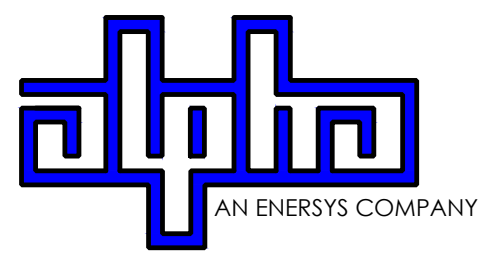
- 2B SCOPE OF WORK**
- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
 - INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
 - INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
 - REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
 - ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

SITE ADDRESS:	1898 D ST SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9059693, -120.0047038
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	90
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	14
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	0.7 C.Y.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

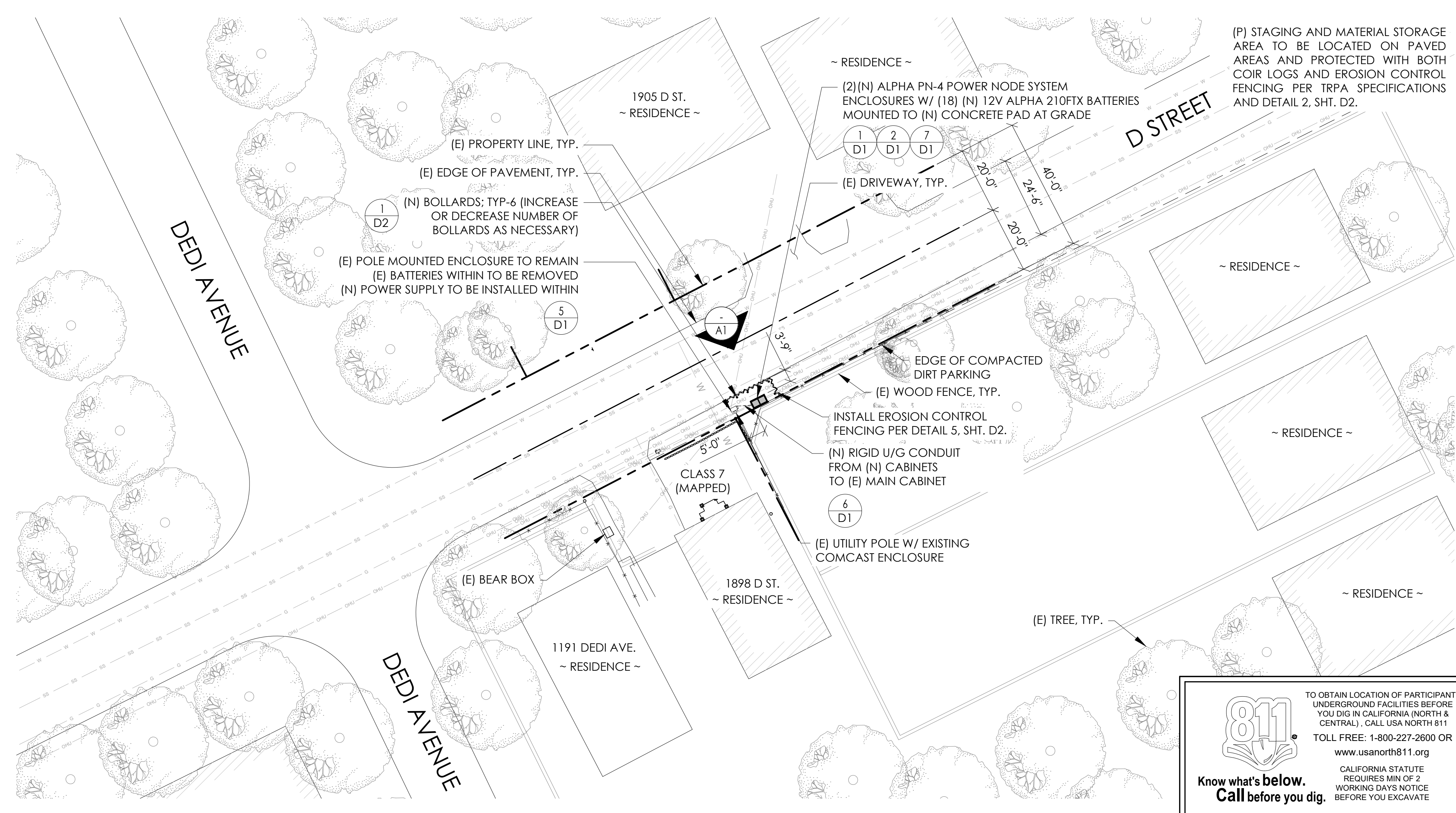


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069697

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/06/23	100% CD REVISION	JG



SITE PLAN

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5p.com 23 MAULCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@energysys.com		

CODE COMPLIANCE

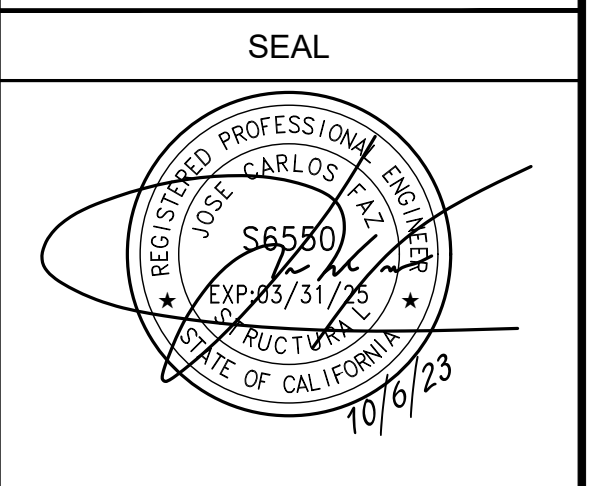
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE, 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANSII/A22-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



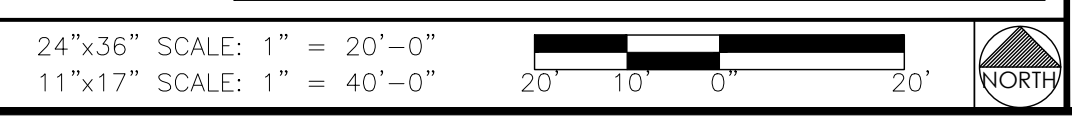
SITE INFORMATION

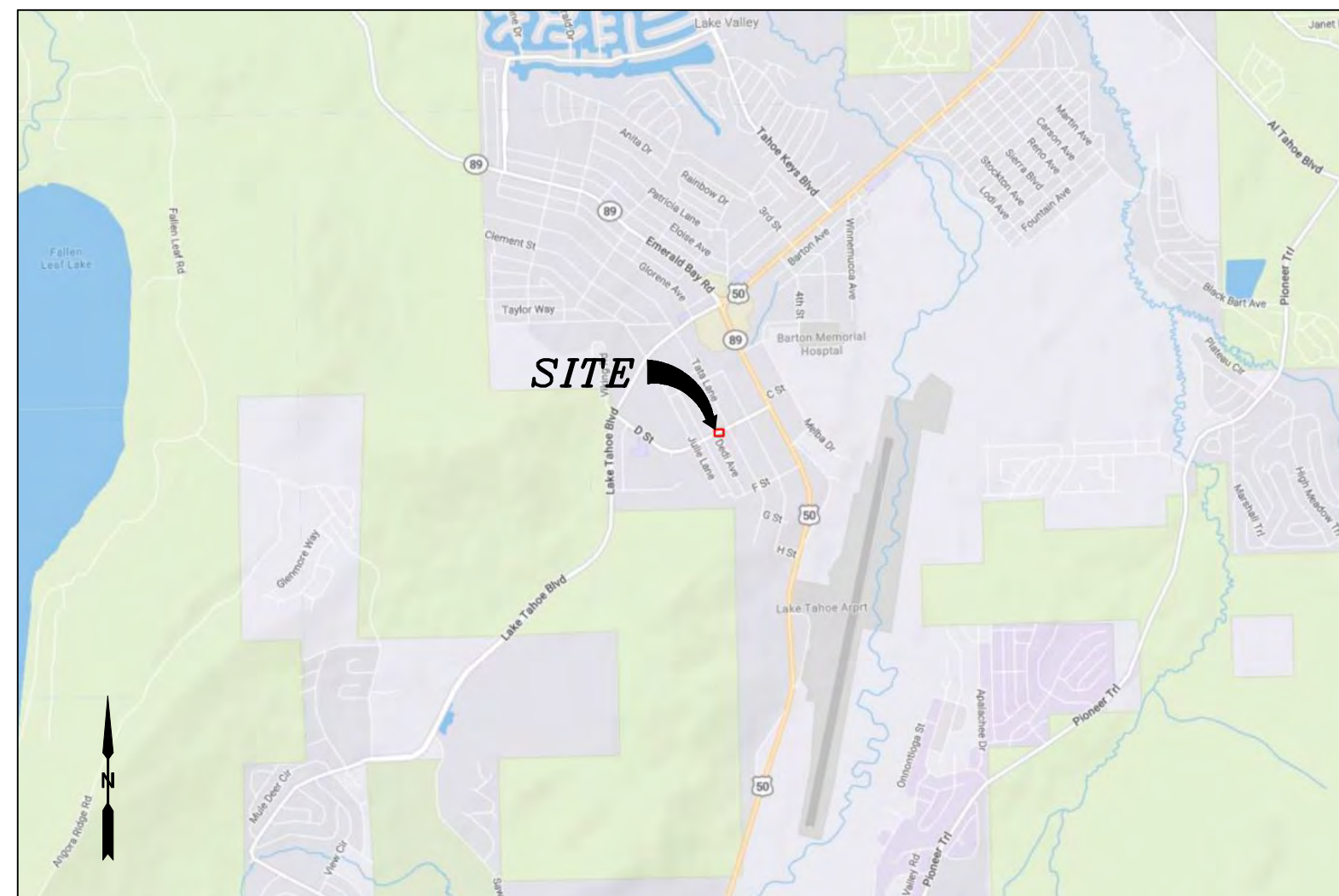
SITE ID:
ST126A_

SITE ADDRESS:
1898 D ST,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
TITLE SHEET

T1





VICINITY MAP
N.T.S.



PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

Eaton Land Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST126A
1898 D ST.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/28/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

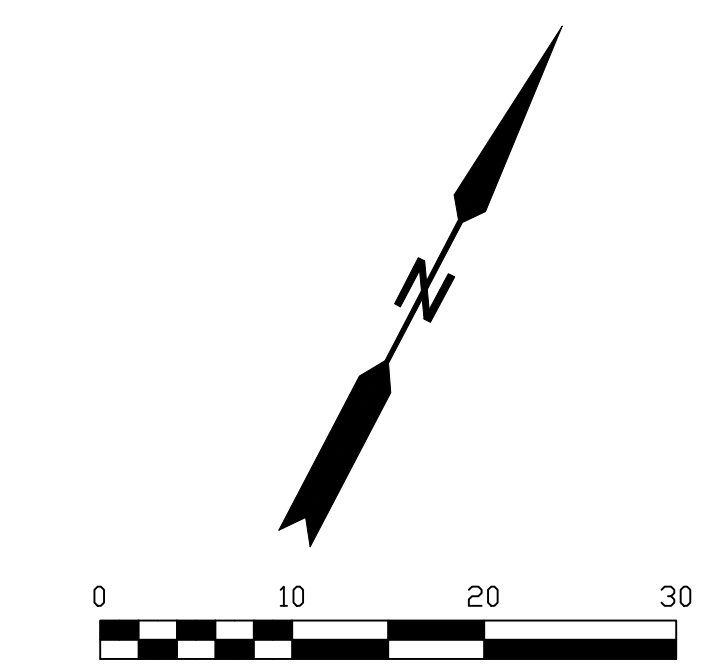
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0369E, DATED 09/26/2008.

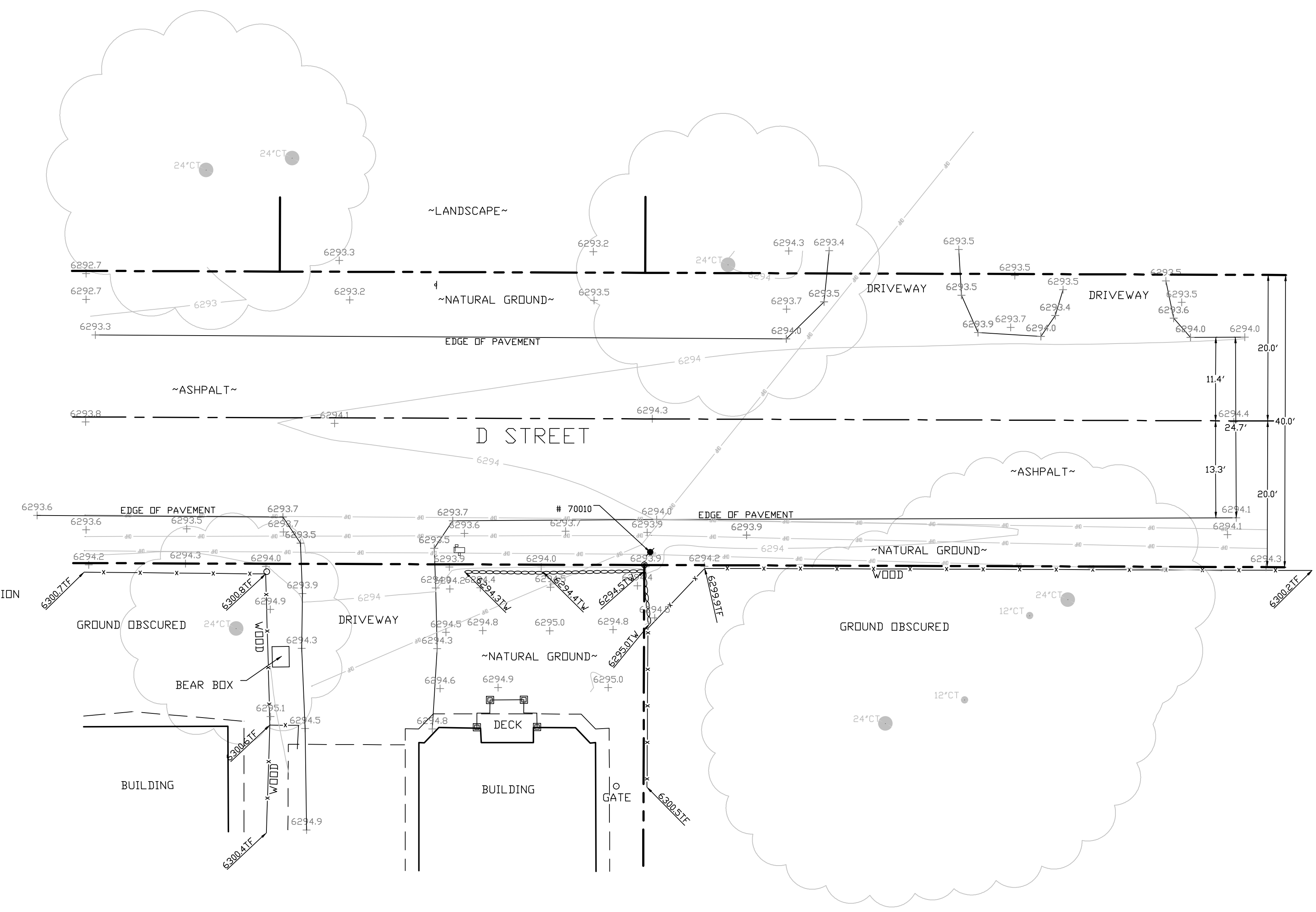
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 10 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 032-252-001-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032306 DATED 08/31/2023;

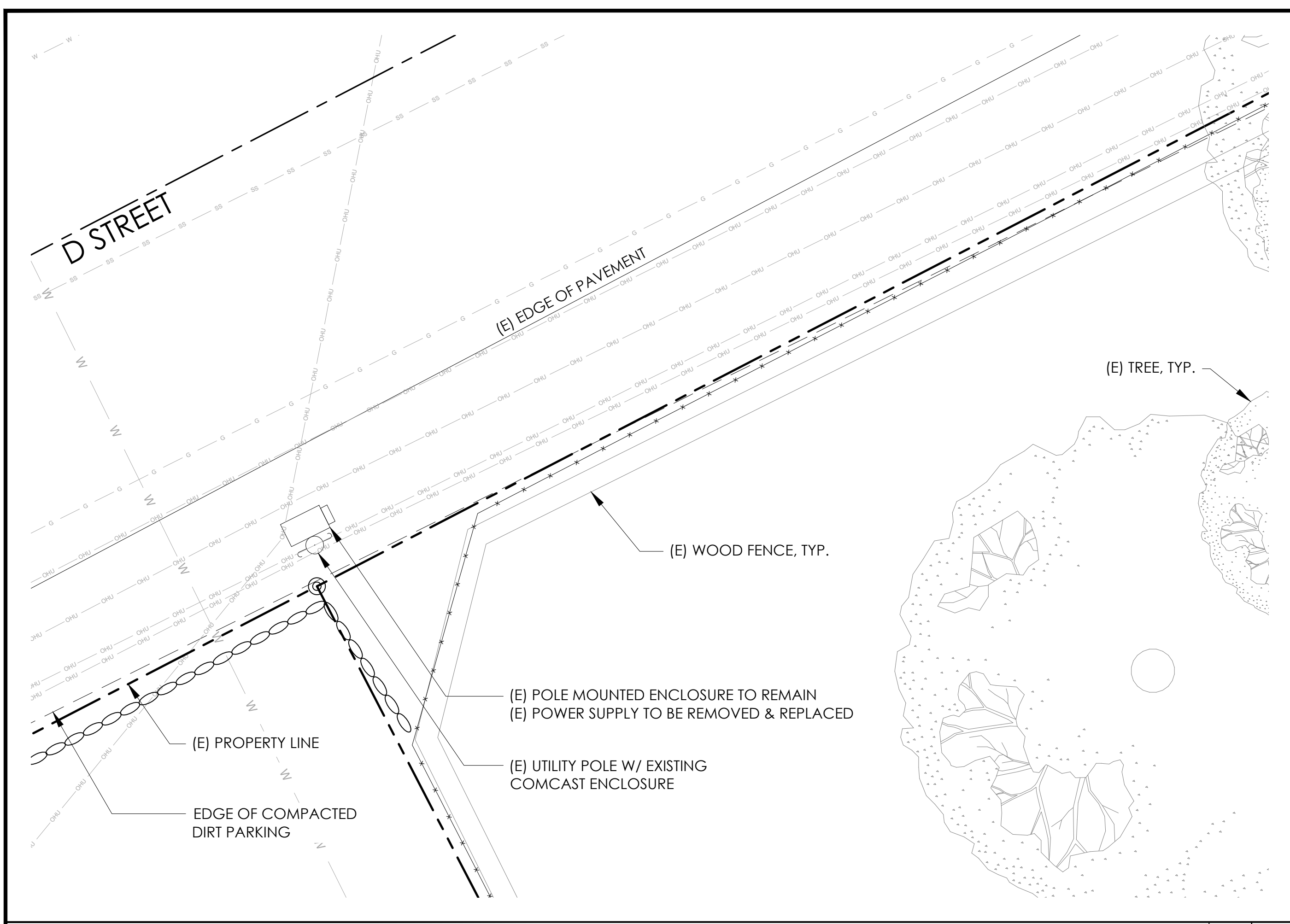


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX (MOVABLE)
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - FOUND MONUMENT

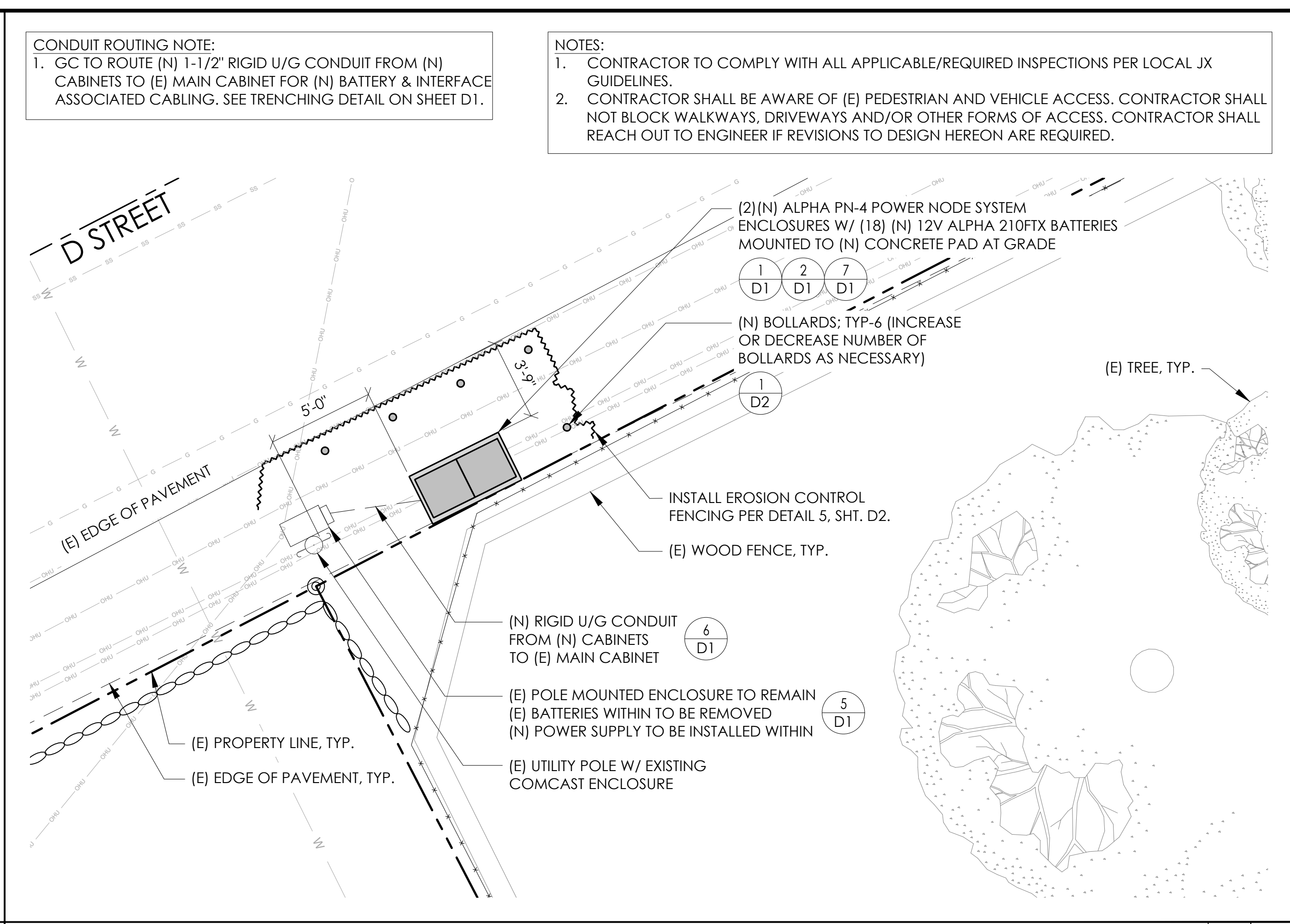


SITE SURVEY
SCALE 1"=10'

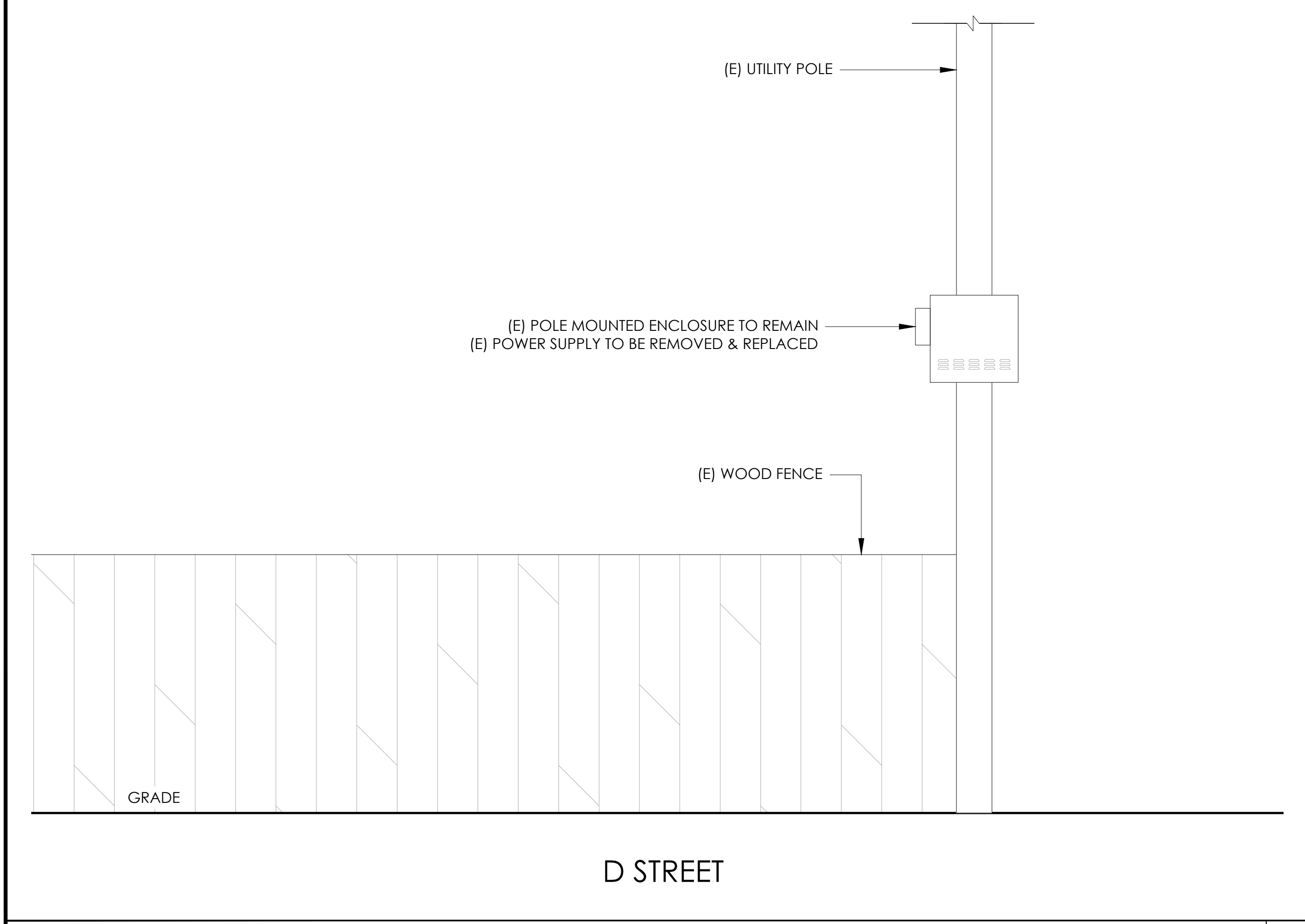




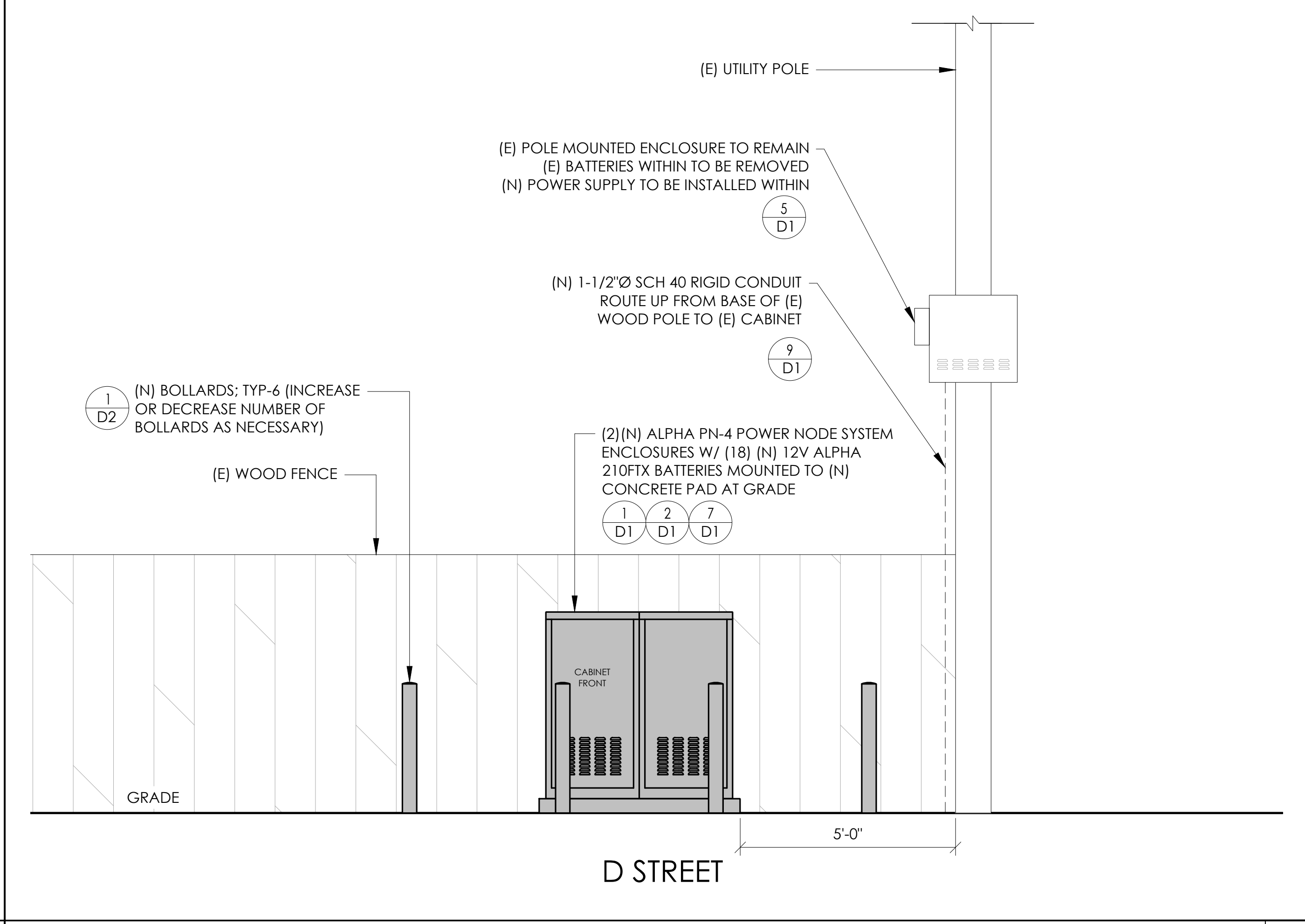
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4



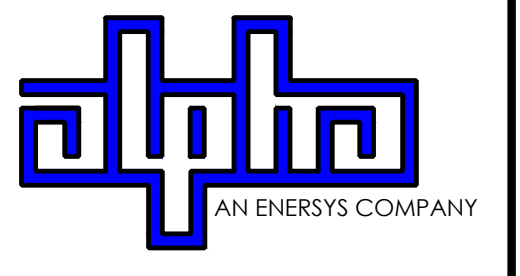
PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3

CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



3767 ALPHA WAY
 BELLINGHAM, WA 98226

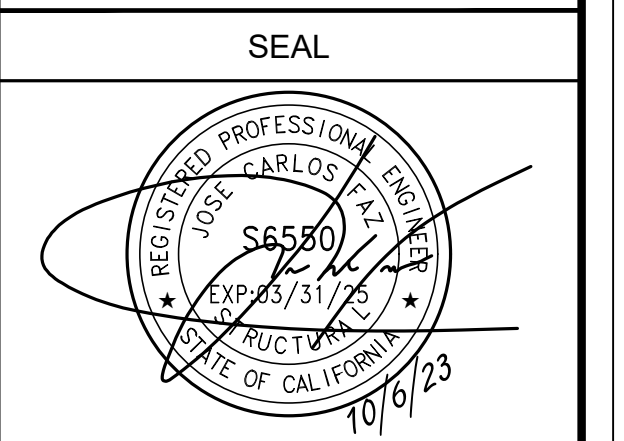


23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069697

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/06/23	100% CD REVISION	JG



SITE INFORMATION

SITE ID:
 ST126A_

SITE ADDRESS:
 1898 D ST,
 SOUTH LAKE TAHOE,
 CA 96150

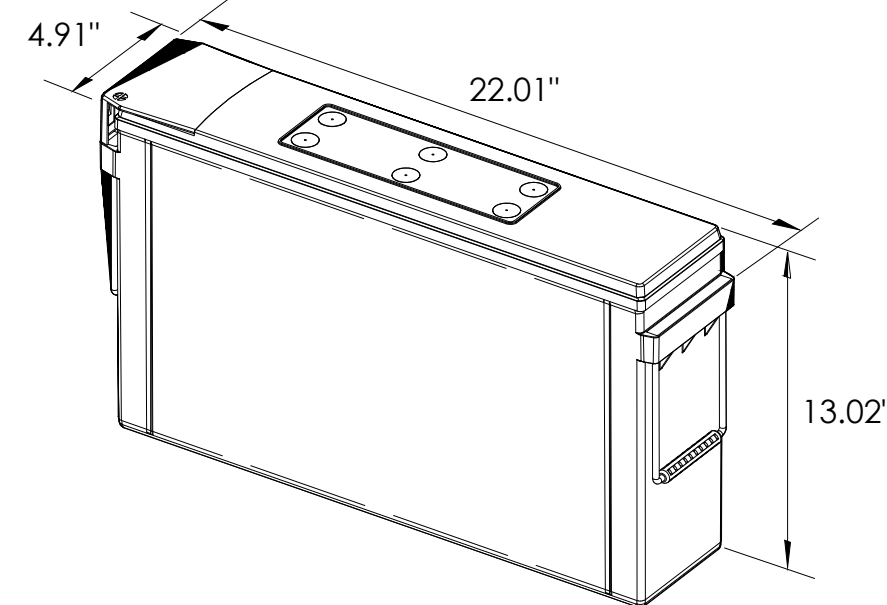
SHEET TITLE:

ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT



EQUIPMENT SPECIFICATIONS (1 UNIT)

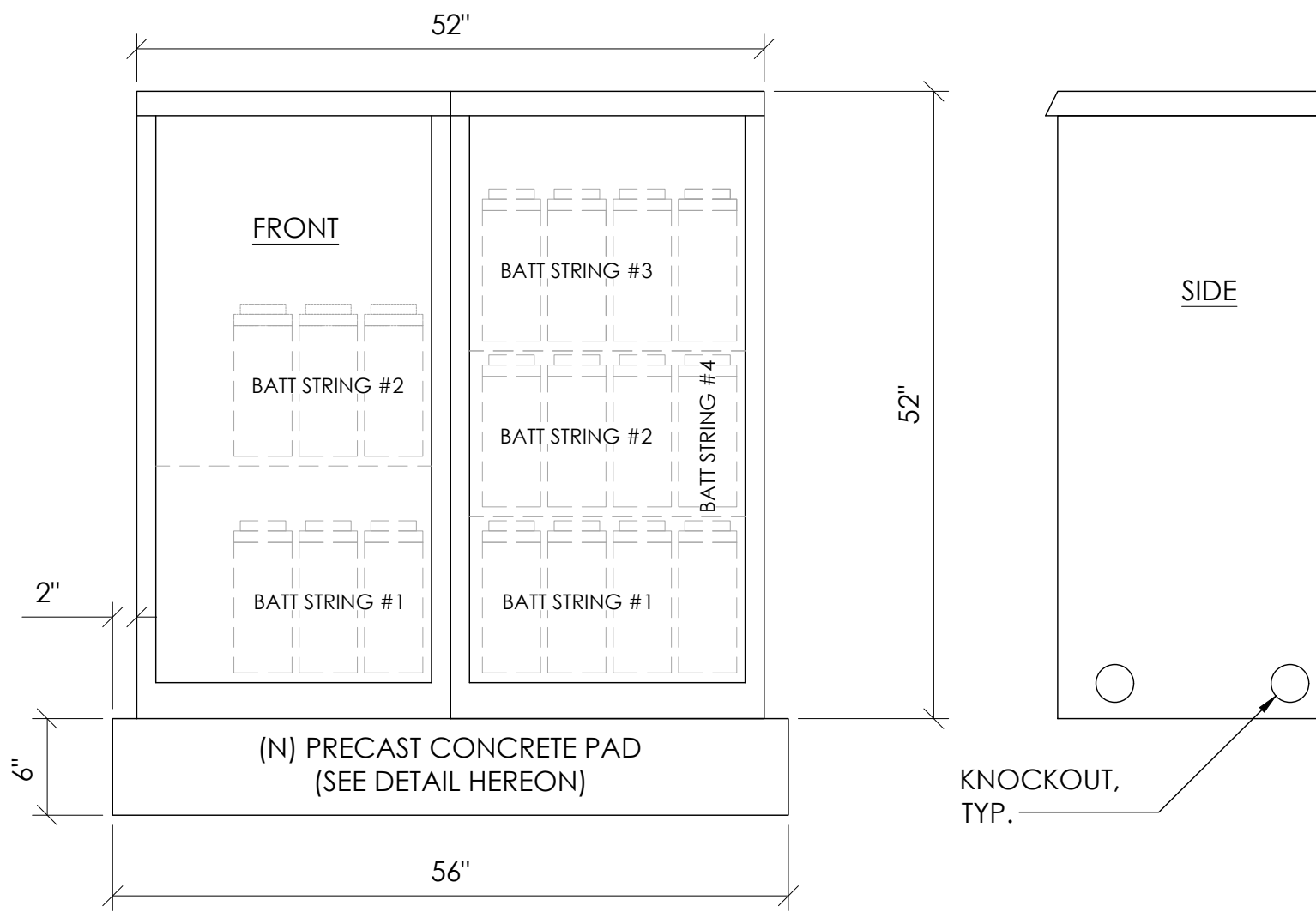
MFG: ALPHA
MODEL: 210 FIX
HEIGHT: 13.02 IN
WIDTH: 4.91 IN
LENGTH: 22.01 IN

WEIGHT: 145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

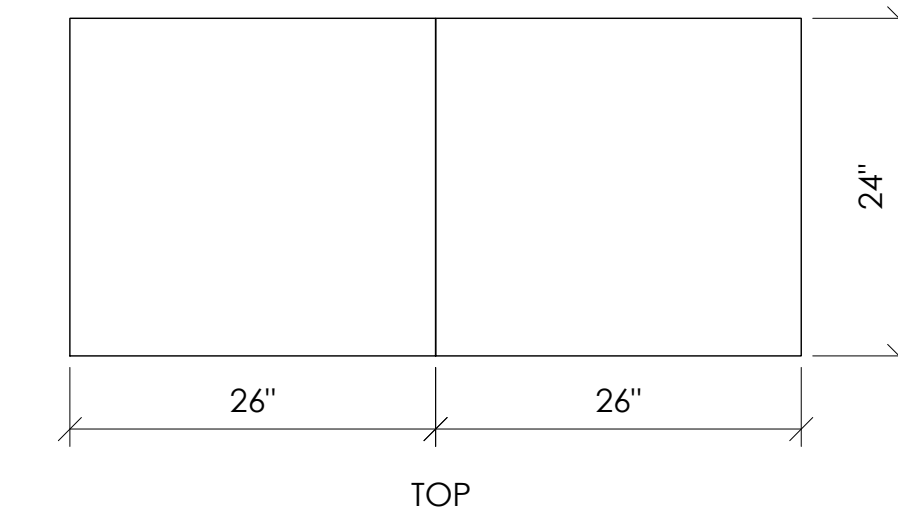


CABINET SPECIFICATIONS

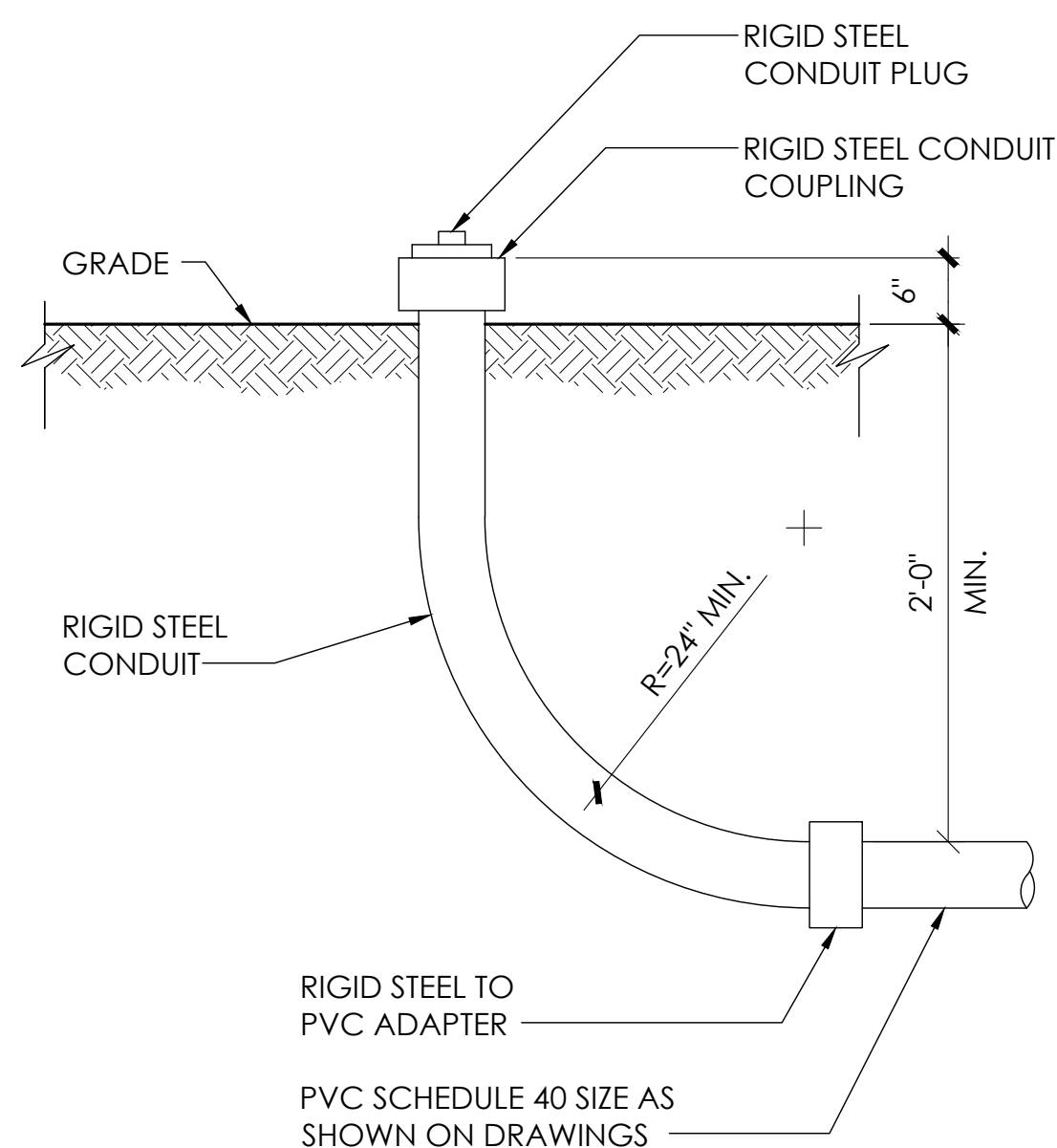
MANUFACTURER: ALPHA
MODEL: PN-4
HEIGHT: 52"
WIDTH: 26"
DEPTH: 24"
WEIGHT (EMPTY): 360 LBS.
WEIGHT (W/ BATTERIES): 2,970 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



8 STUB-UP DETAIL
N.T.S.

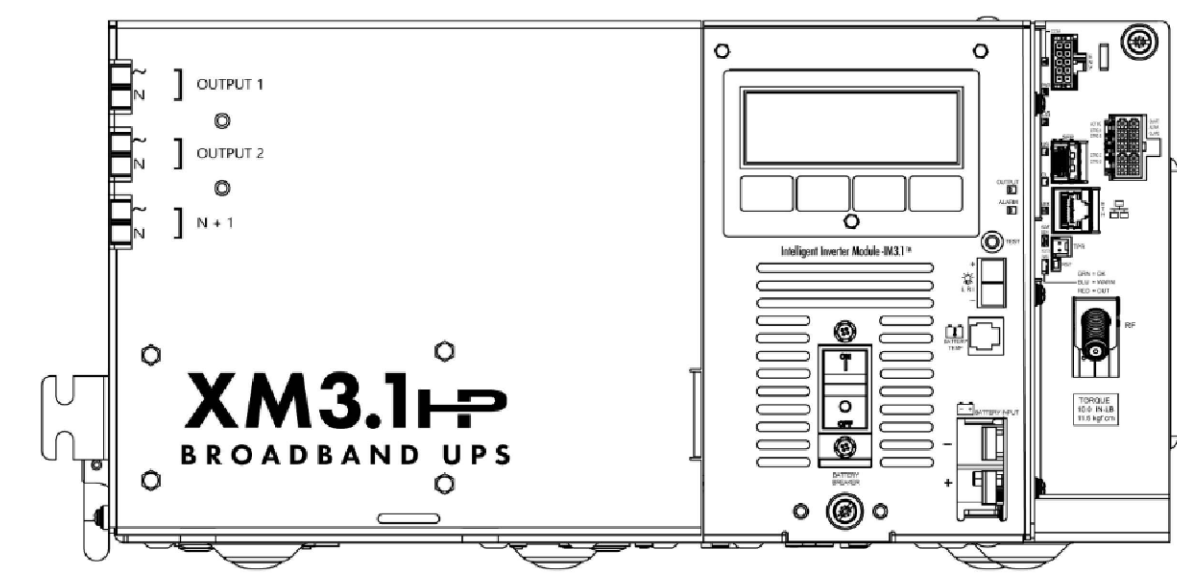
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

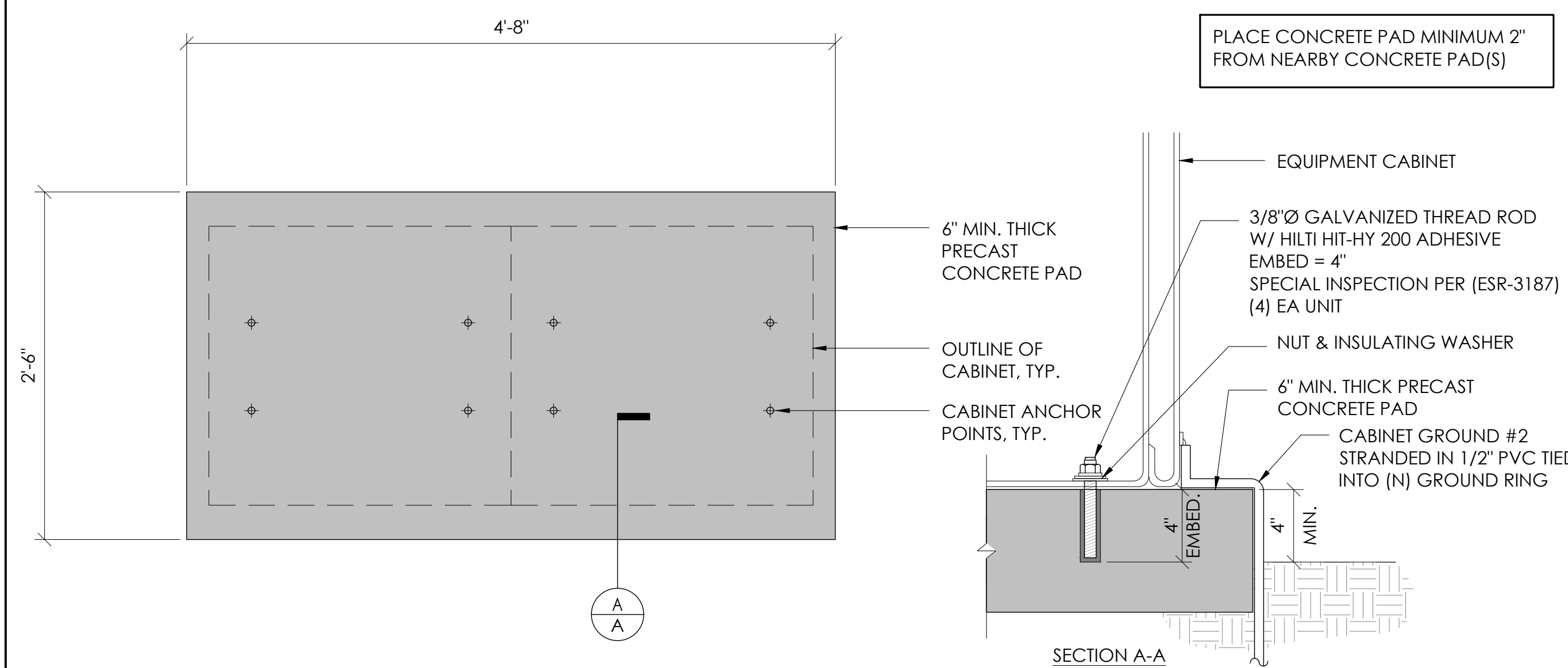
EQUIPMENT SPECIFICATIONS

MFG: ALPHA
MODEL: XM3.1-HP
HEIGHT: 7.76 IN
WIDTH: 16.43 IN
DEPTH: 10.57 IN

WEIGHT: 61 LBS

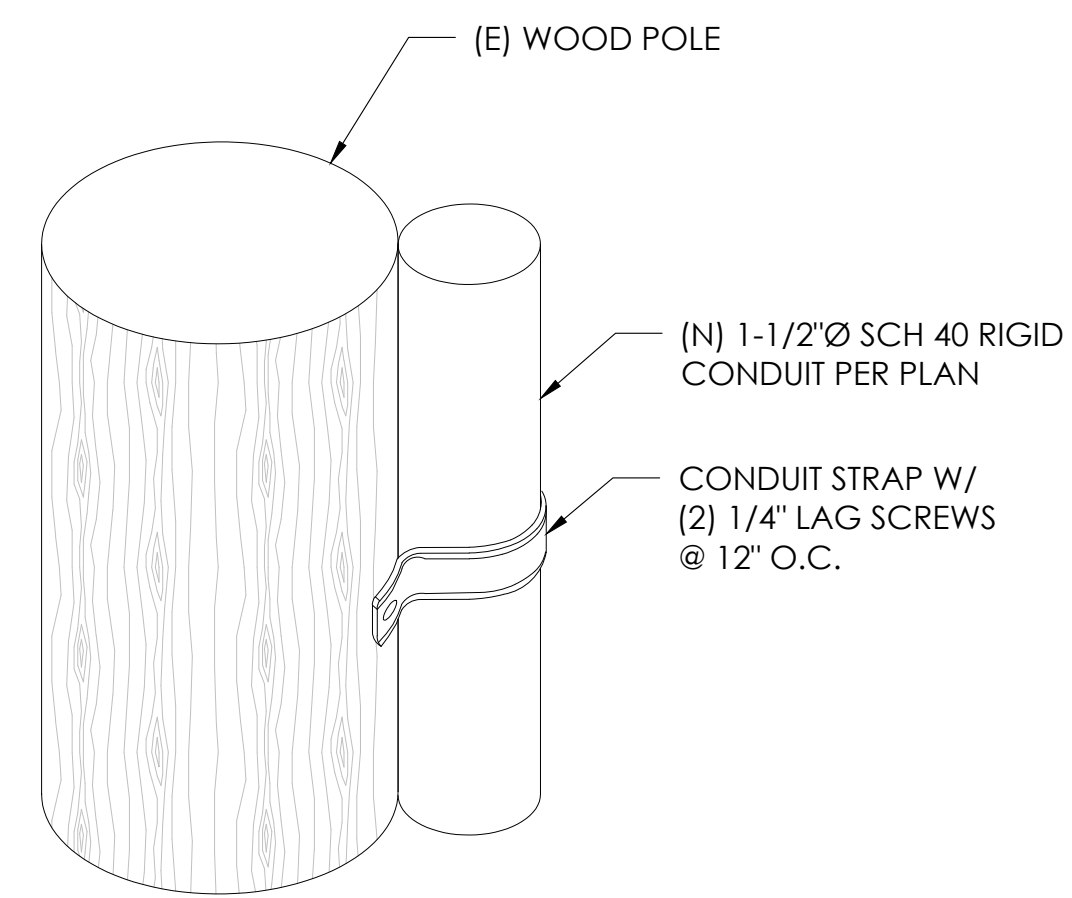


5 POWER SUPPLY DETAIL
N.T.S.



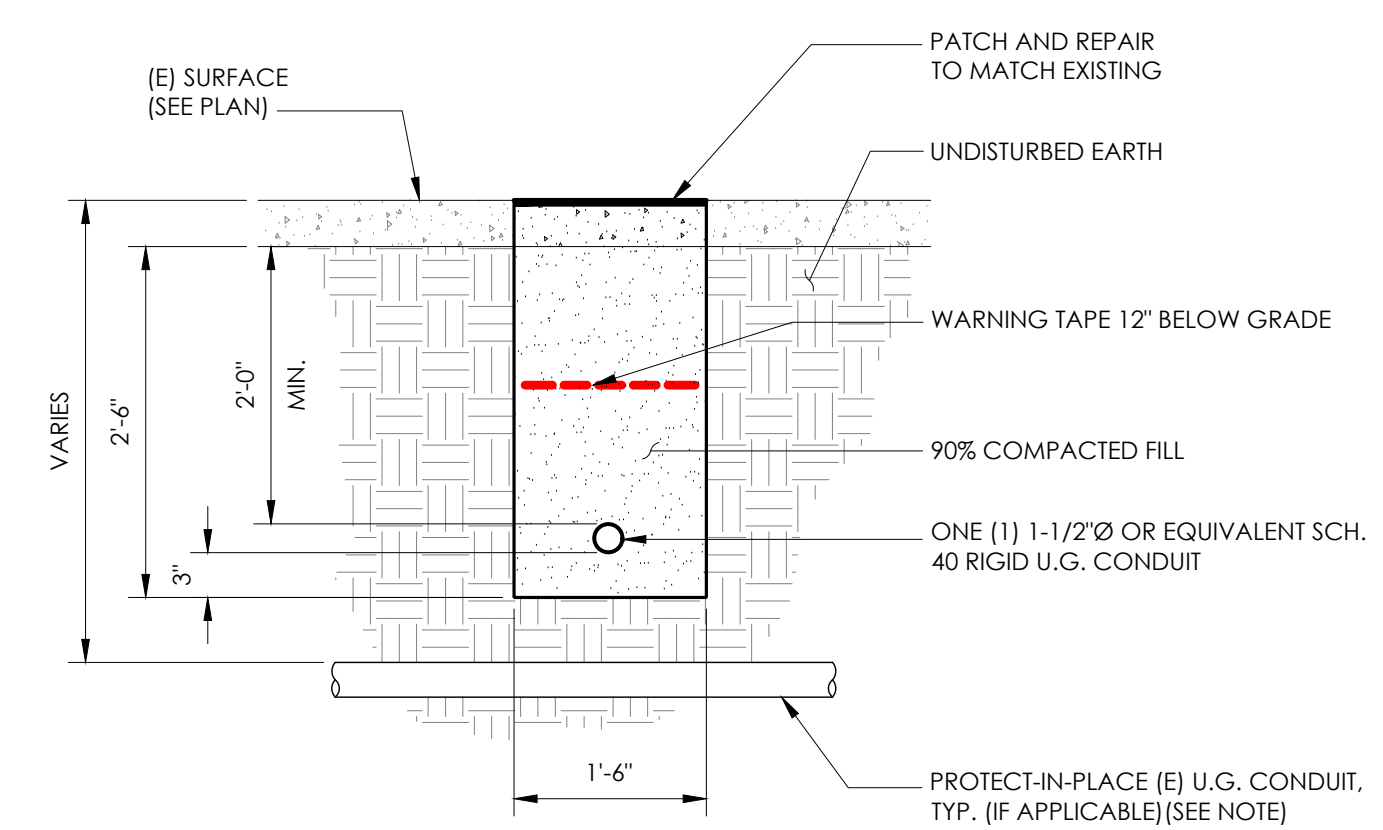
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. CONTRACTOR TO VERIFY RISER MOUNTING REQUIREMENTS W/ POLE OWNER AND/OR POWER COMPANY



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.

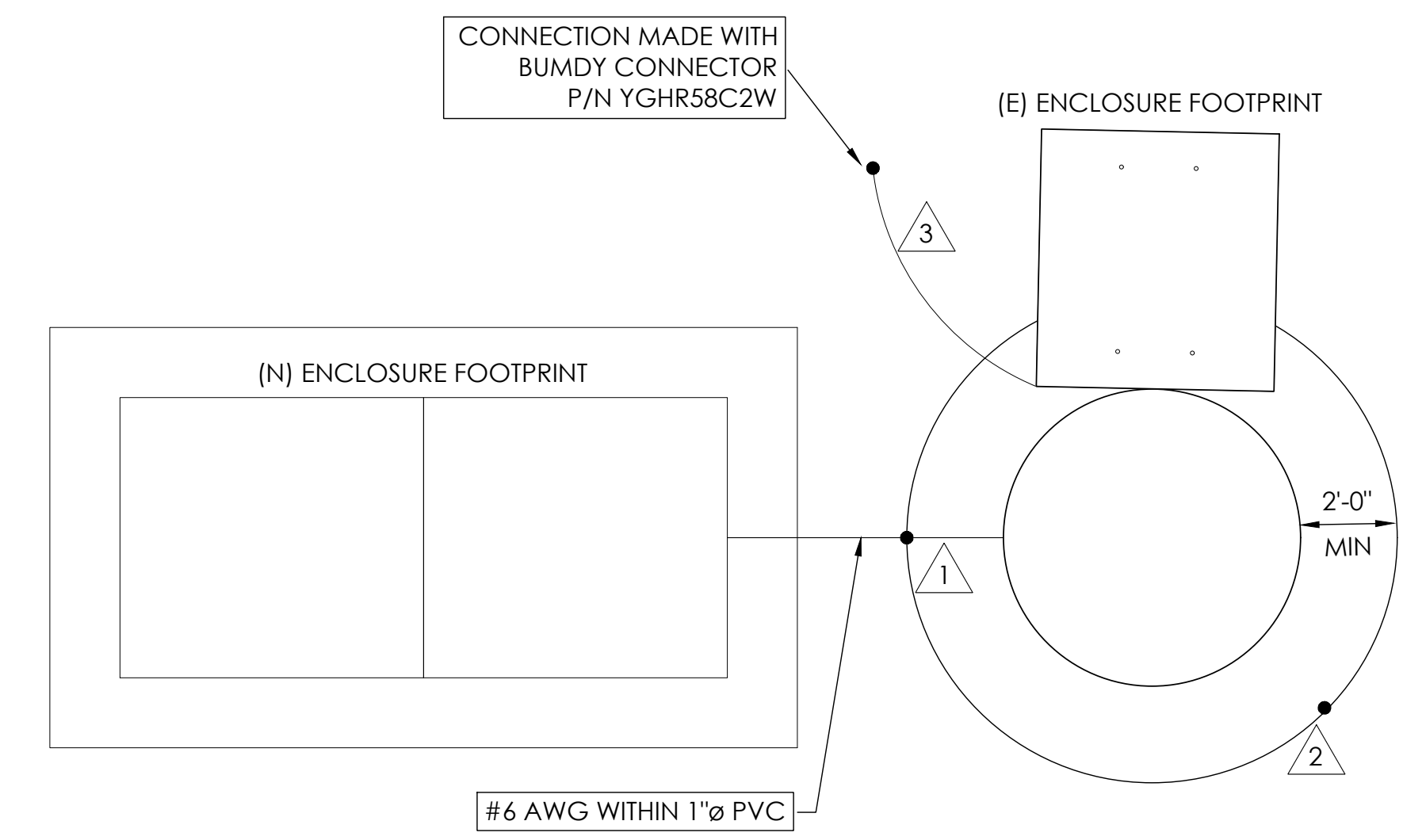


6 TRENCHING DETAIL
N.T.S.

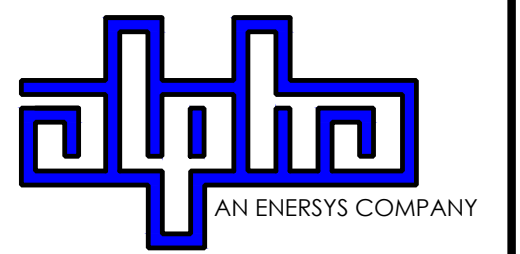
LIGHTNING PROTECTION (OPTIONAL)
 ⚠️ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
 ⚠️ (E) #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
 ⚠️ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
 ⚠️ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.
 SERVICE GROUNDING (REQUIRED)
 ⚠️ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND ON POLE CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



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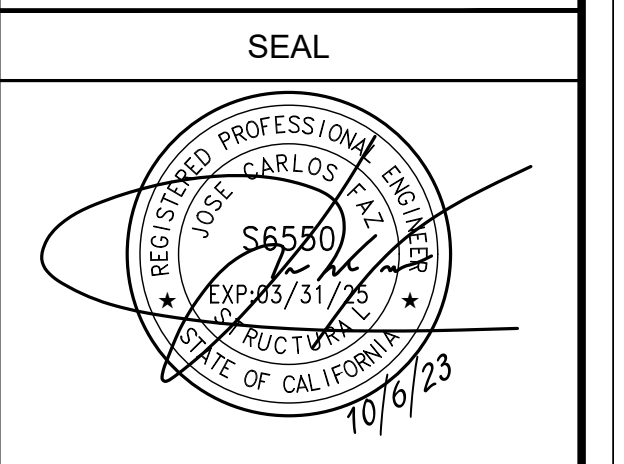
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069697

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ST126A

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1898 D ST,
SOUTH LAKE TAHOE,
CA 96150

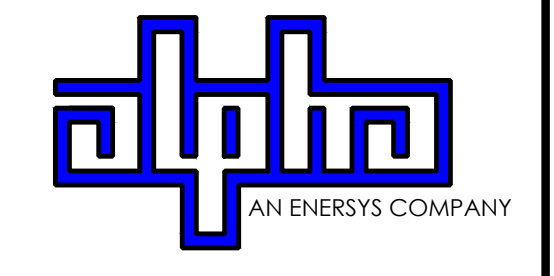
SHEET TITLE:

DETAILS

D1



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



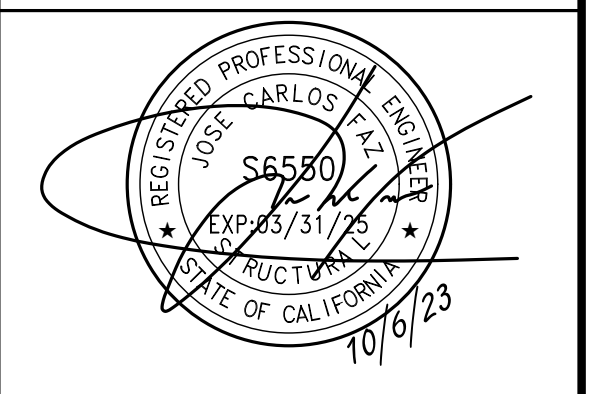
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IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
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SEAL



SITE INFORMATION

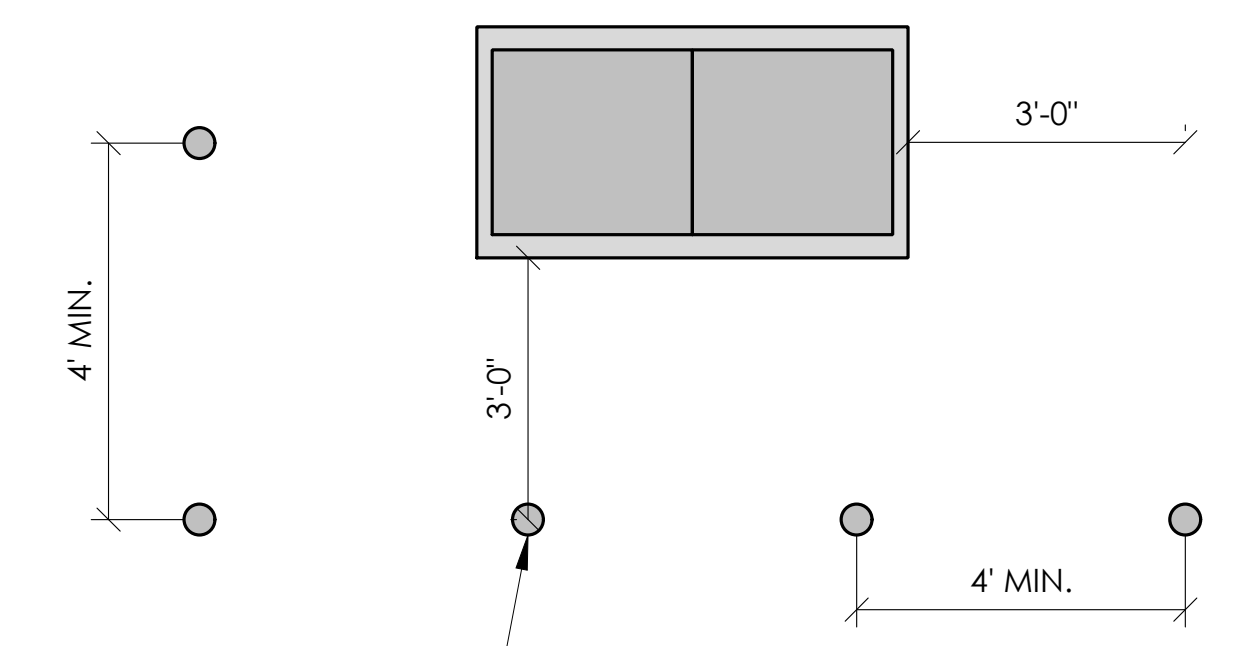
SITE ID:
ST126A_

SITE ADDRESS:
1898 D ST,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

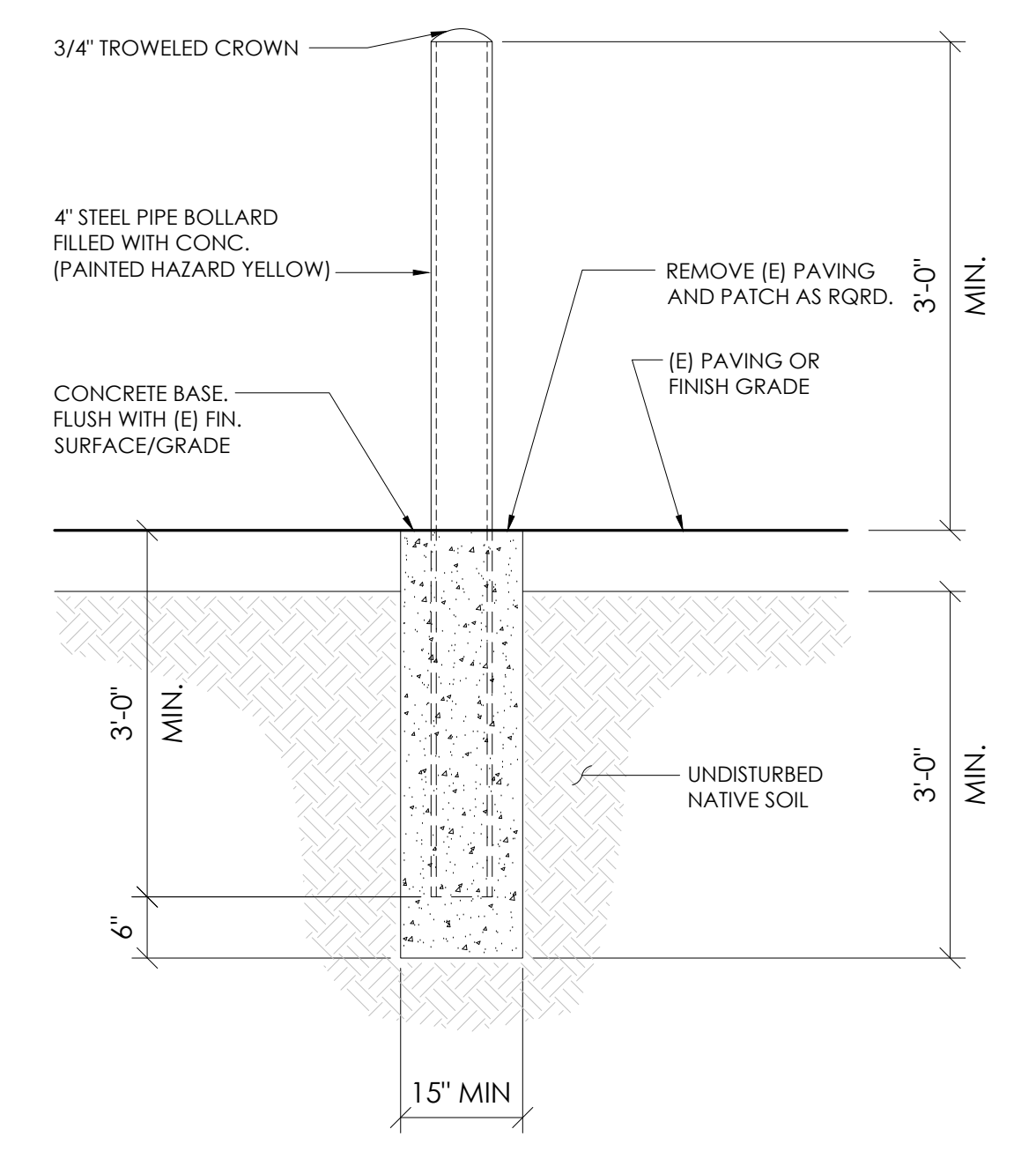
DETAILS

D2

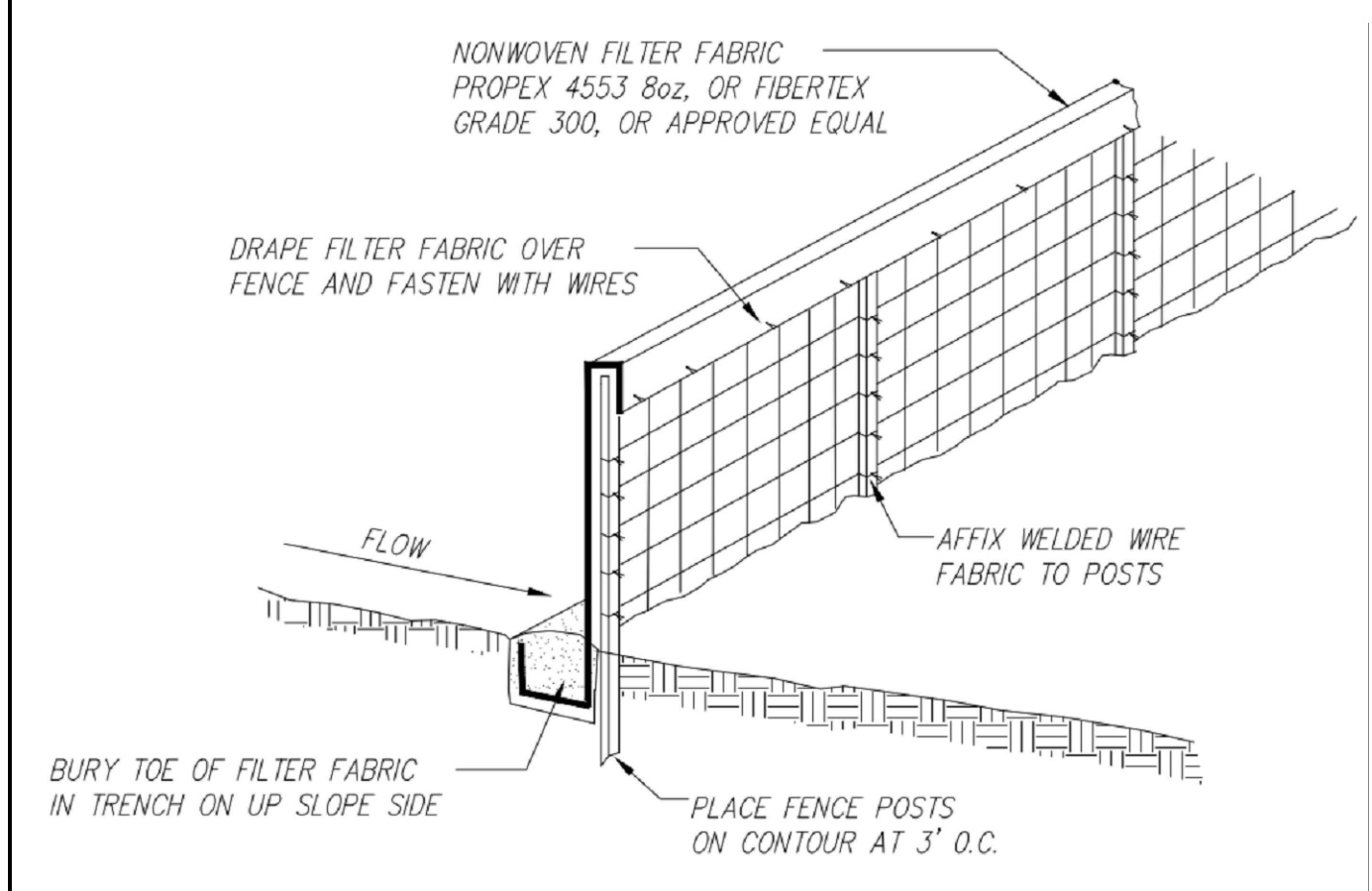


(N) BOLLARDS; TYP-6 (INCREASE OR DECREASE NUMBER OF BOLLARDS AS NECESSARY)

1 BOLLARD DETAIL
N.T.S.

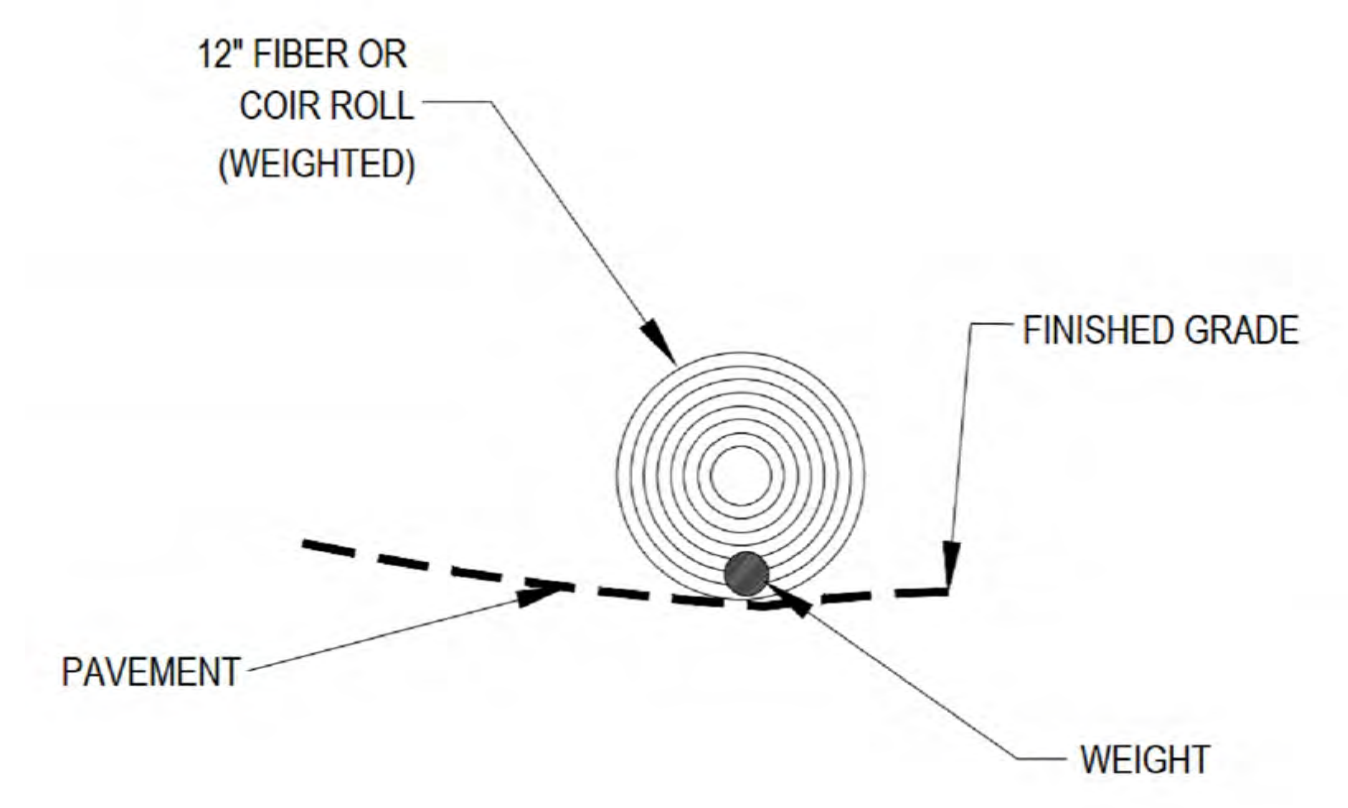


1 BOLLARD DETAIL
N.T.S.



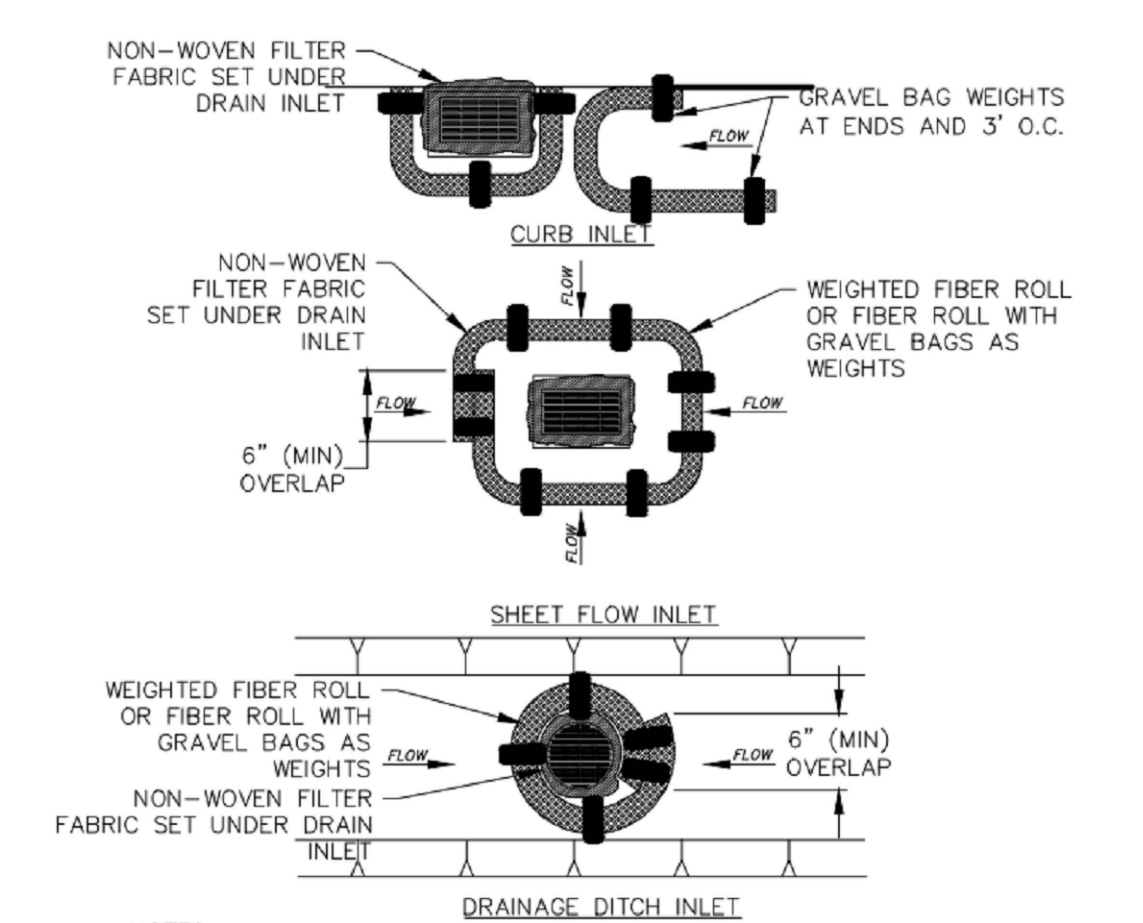
FILTER FABRIC FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO MITIGATE THE EFFECTS OF EROSION, AND REMOVED UPON COMPLETION OF THE PROJECT.

5 EROSION CONTROL FENCING
N.T.S.



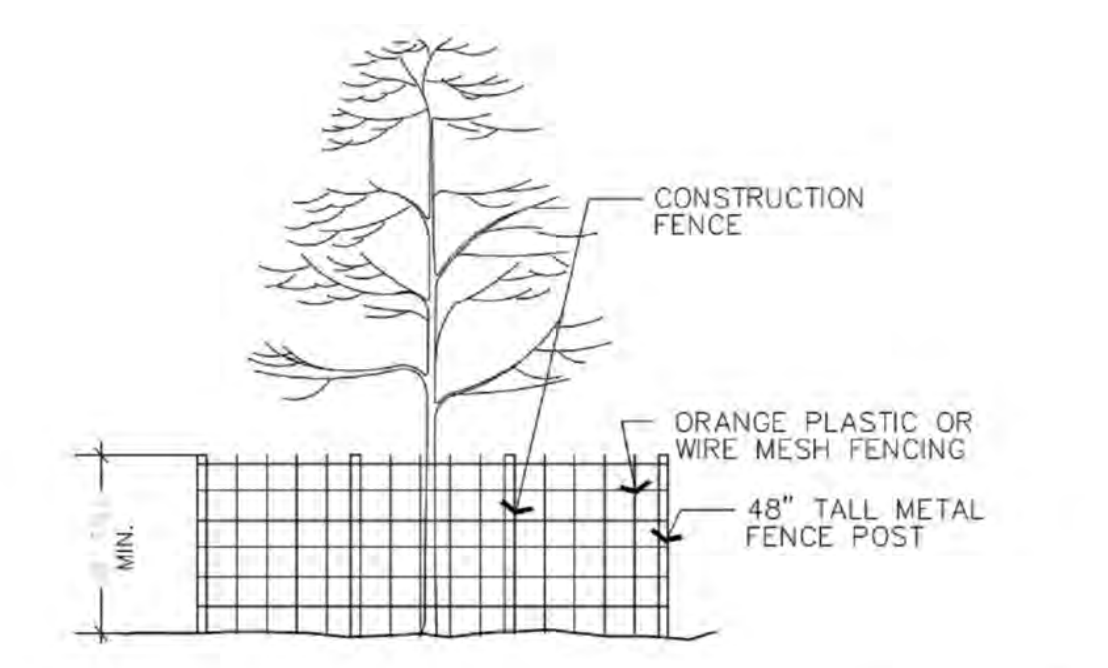
NOTE: ALIGN FIBER ROLL ALONG CONTOURS

2 WEIGHTED COIR LOGS
N.T.S.



- NOTES:
- FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
 - GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
 - INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
 - SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
 - IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
 - REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



- SOIL AND TREE PROTECTION
- PLACING ANY MATERIAL—TEMPORARY OR OTHERWISE—WITHIN PROTECTIVE FENCING OR ENTERING PROTECTION AREAS MAY RESULT IN UP TO A \$5,000 PENALTY PER VIOLATION PER DAY. (SECT 65.2 I AN J)
 - THESE CONDITIONS ARE PART OF ALL PROJECTS AS CONDITIONS OF ATTACHMENTS R, S, AND Q.
 - METAL OR WIRE MESH FENCING MAY BE REQUIRED.

3 VEGETATION PROTECTION FENCING
N.T.S.

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

12 NOT USED
N.T.S.

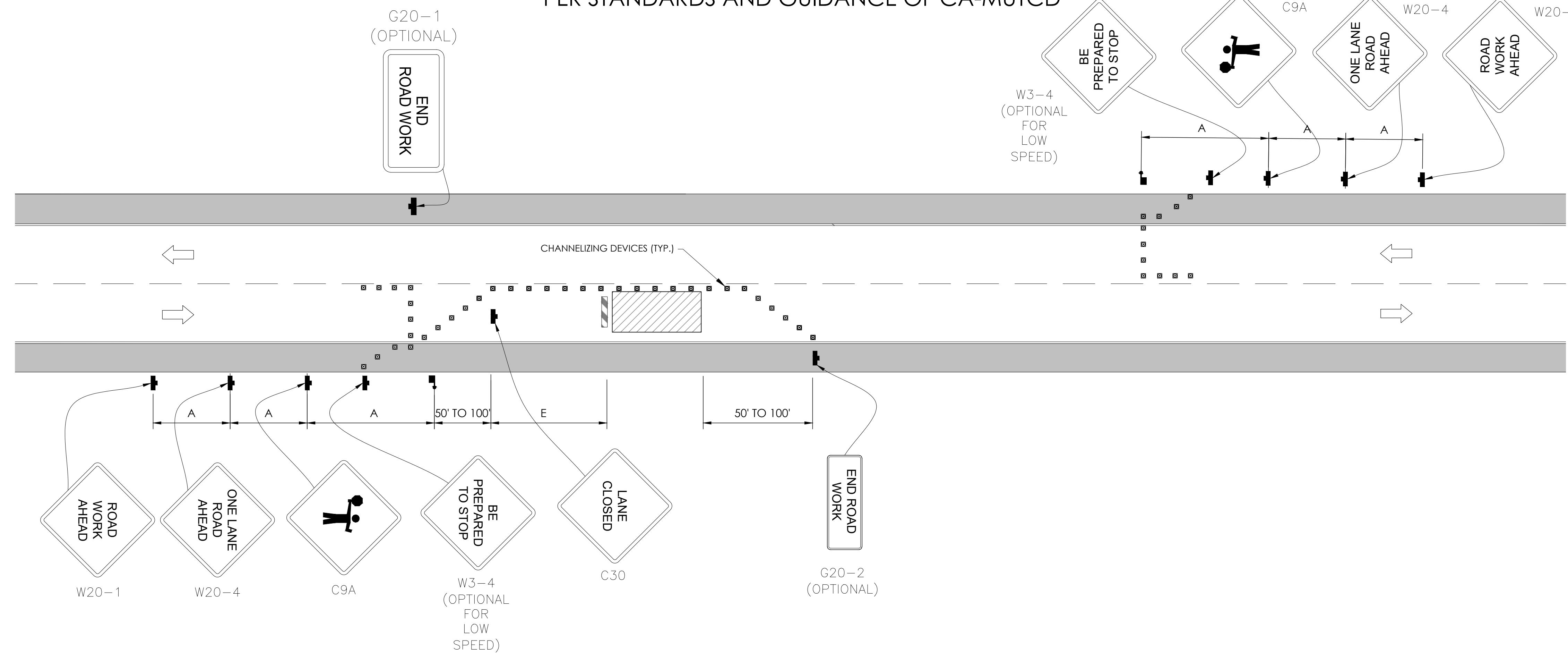
9 NOT USED
N.T.S.

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
7:00AM - 3:30PM



GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019 EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ADJUTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

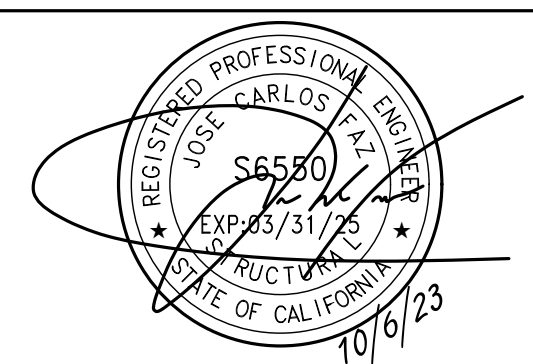
23 MAUCHLY, STE 110
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SEAL



SITE INFORMATION

SITE ID:
ST126A_

SITE ADDRESS:
1898 D ST,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



1A SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (1) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURE
- INSTALLATION OF (12) (N) 12V ENERSYS SBS 190 BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

LOCATION MAP



SITE ID: ST126D_A

SITE ADDRESS:
2059 E ST,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	2059 E ST SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.90590395, -119.9984747
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	3
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	0.5 C.Y.

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE; 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANSITIA-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

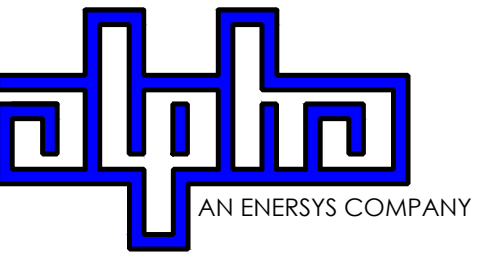
GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



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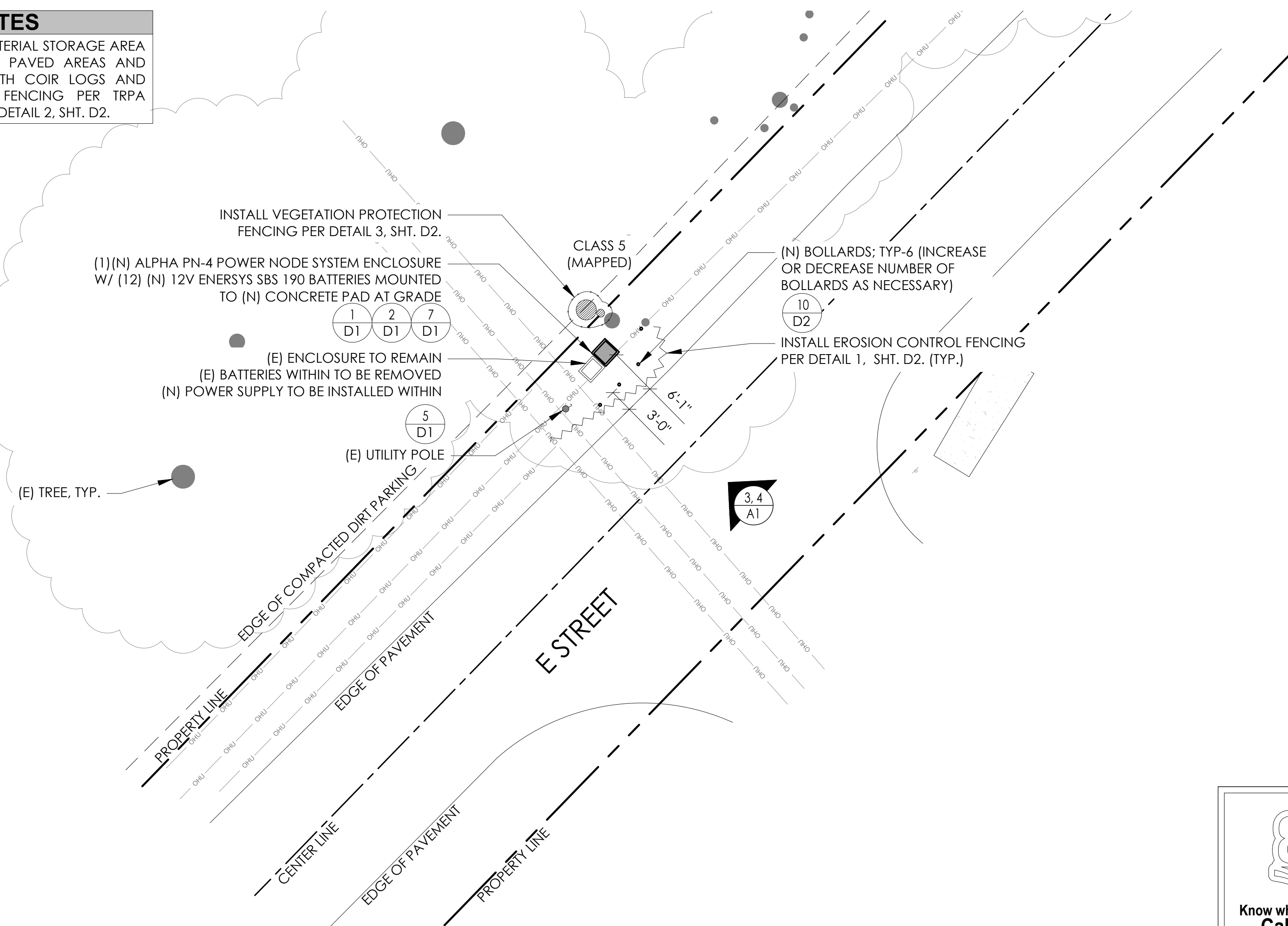
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058752

ISSUE STATUS

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4	10/05/23	SURVEY SHT / BOLLARD ADD	MZ

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
TOLL FREE: 1-800-227-2600 OR
www.usanorth811.org

CALIFORNIA STATUTE
REQUIRES MIN OF 2
WORKING DAYS NOTICE
BEFORE YOU EXCAVATE

24"x36" SCALE: 1" = 10'-0"
11"x17" SCALE: 1" = 20'-0"

SITE PLAN

SITE INFORMATION

SITE ID:
ST126D_A

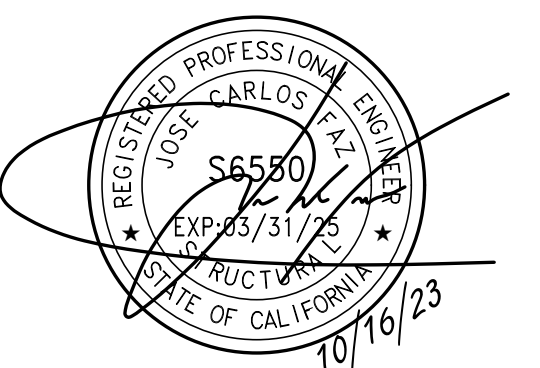
SITE ADDRESS:
2059 E ST,
SOUTH LAKE TAHOE,
CA 96150

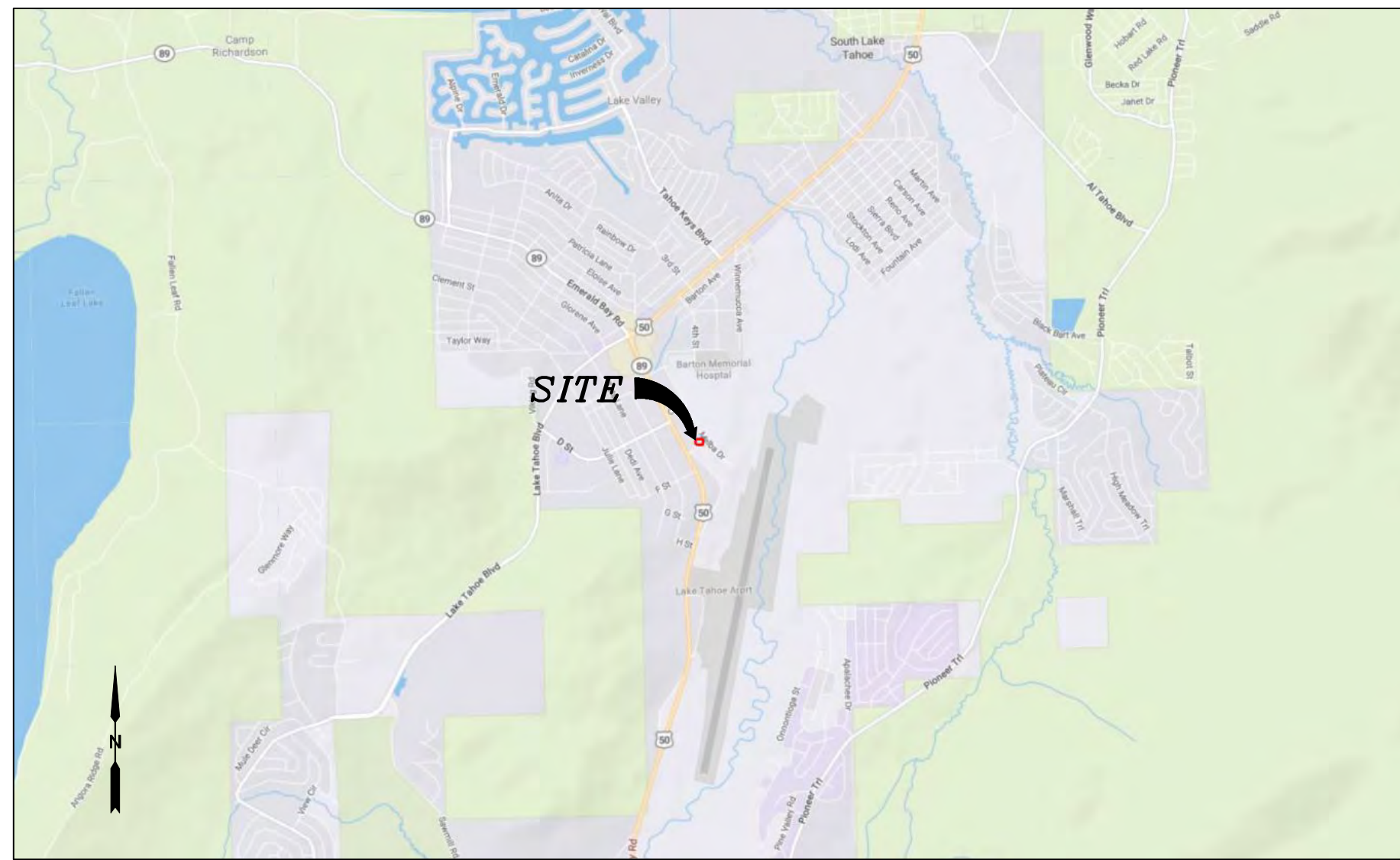
SHEET TITLE:

TITLE SHEET

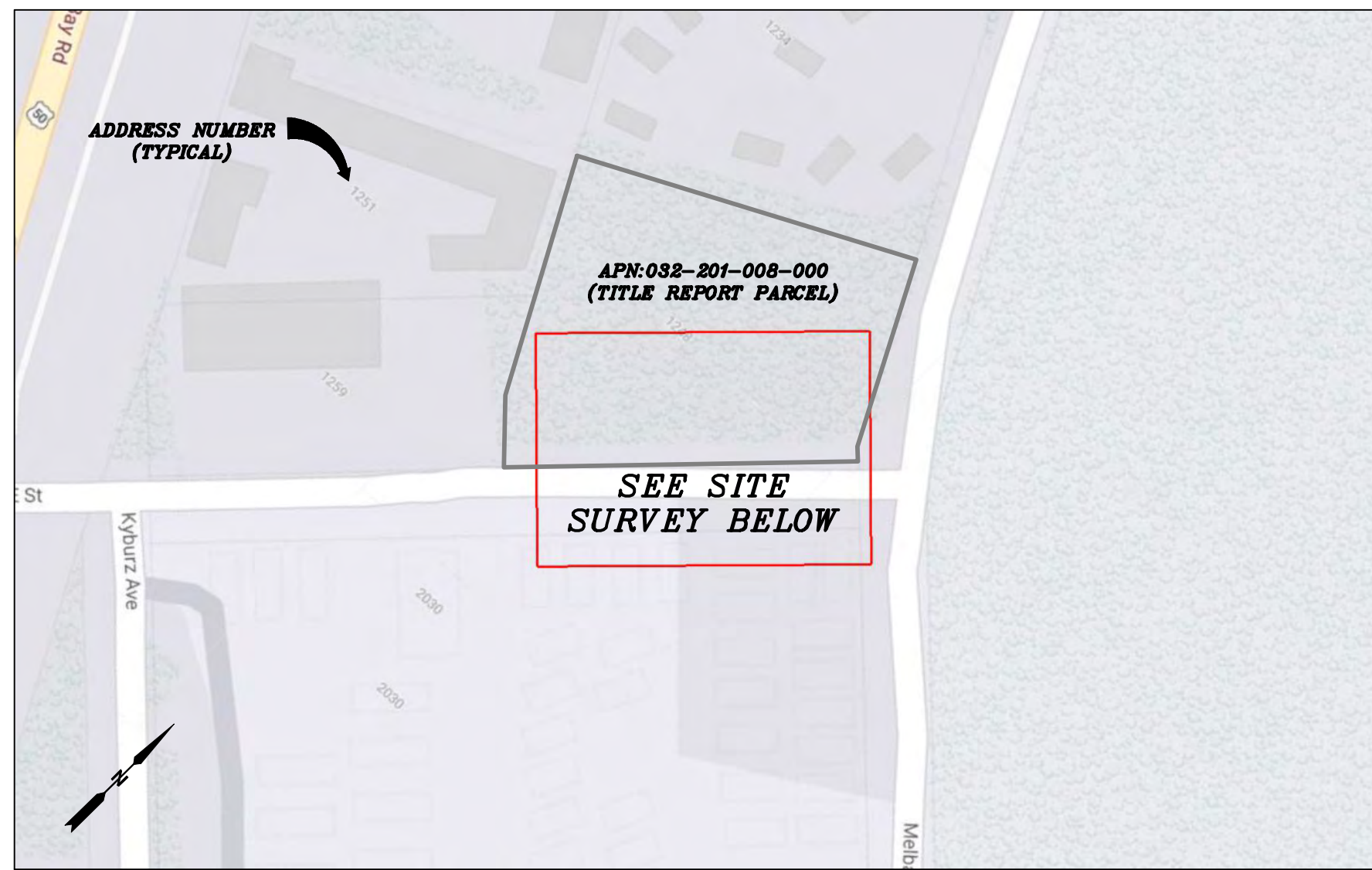
T1

SEAL





VICINITY MAP
N.T.S.



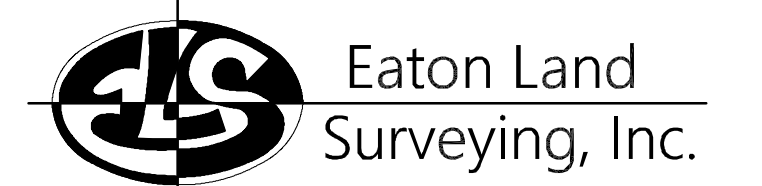
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST126D_A
2059 E ST.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/28/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

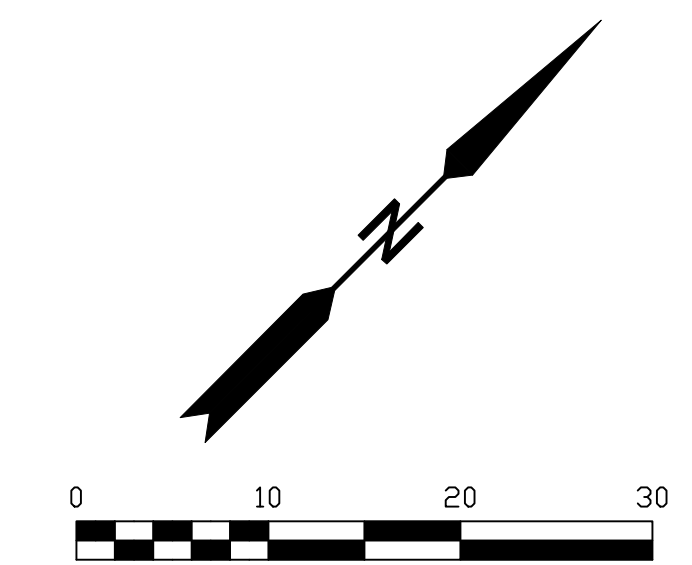
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0388F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

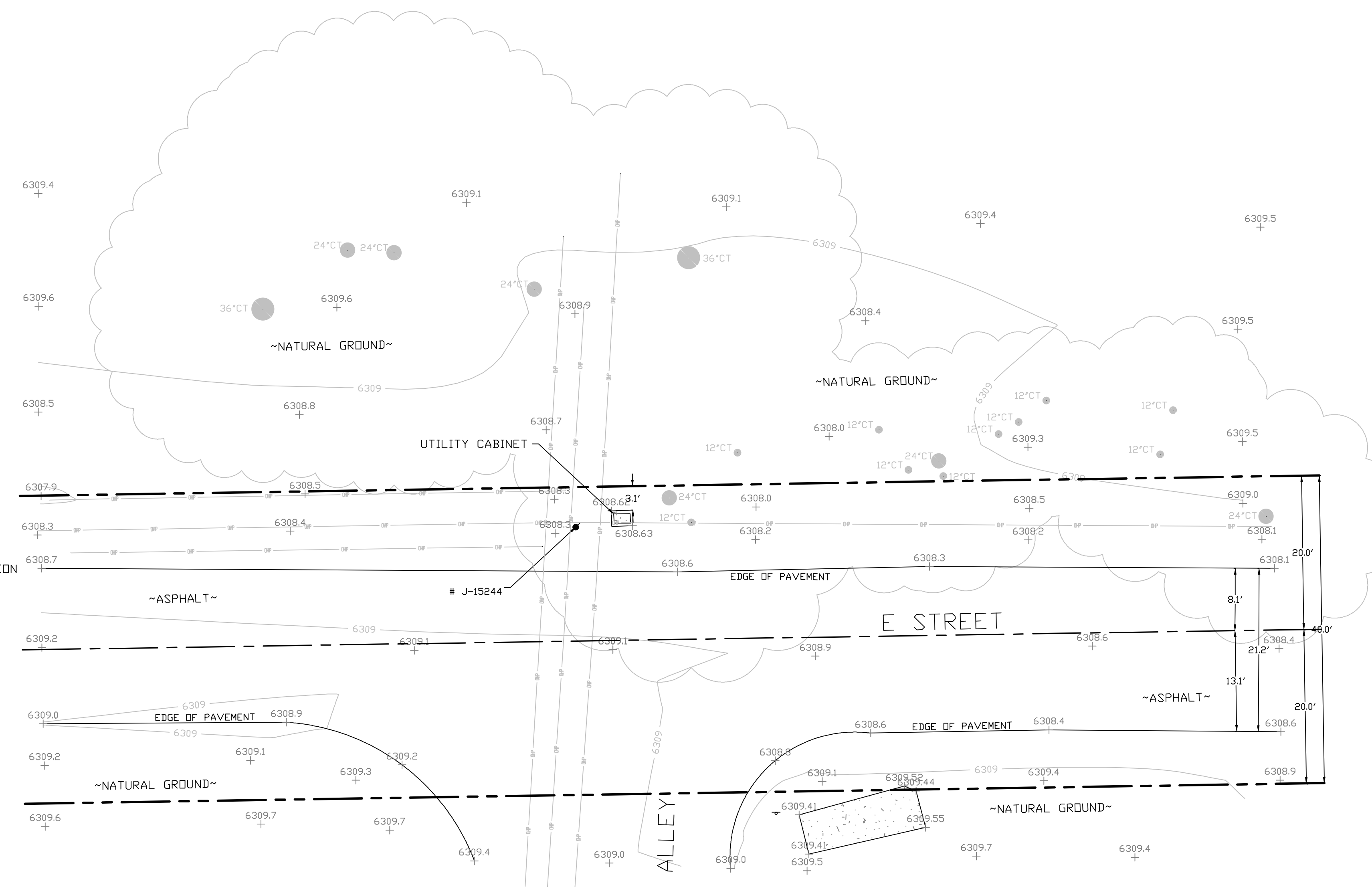
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 48 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 032-201-008-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032327 DATED 08/31/2023;



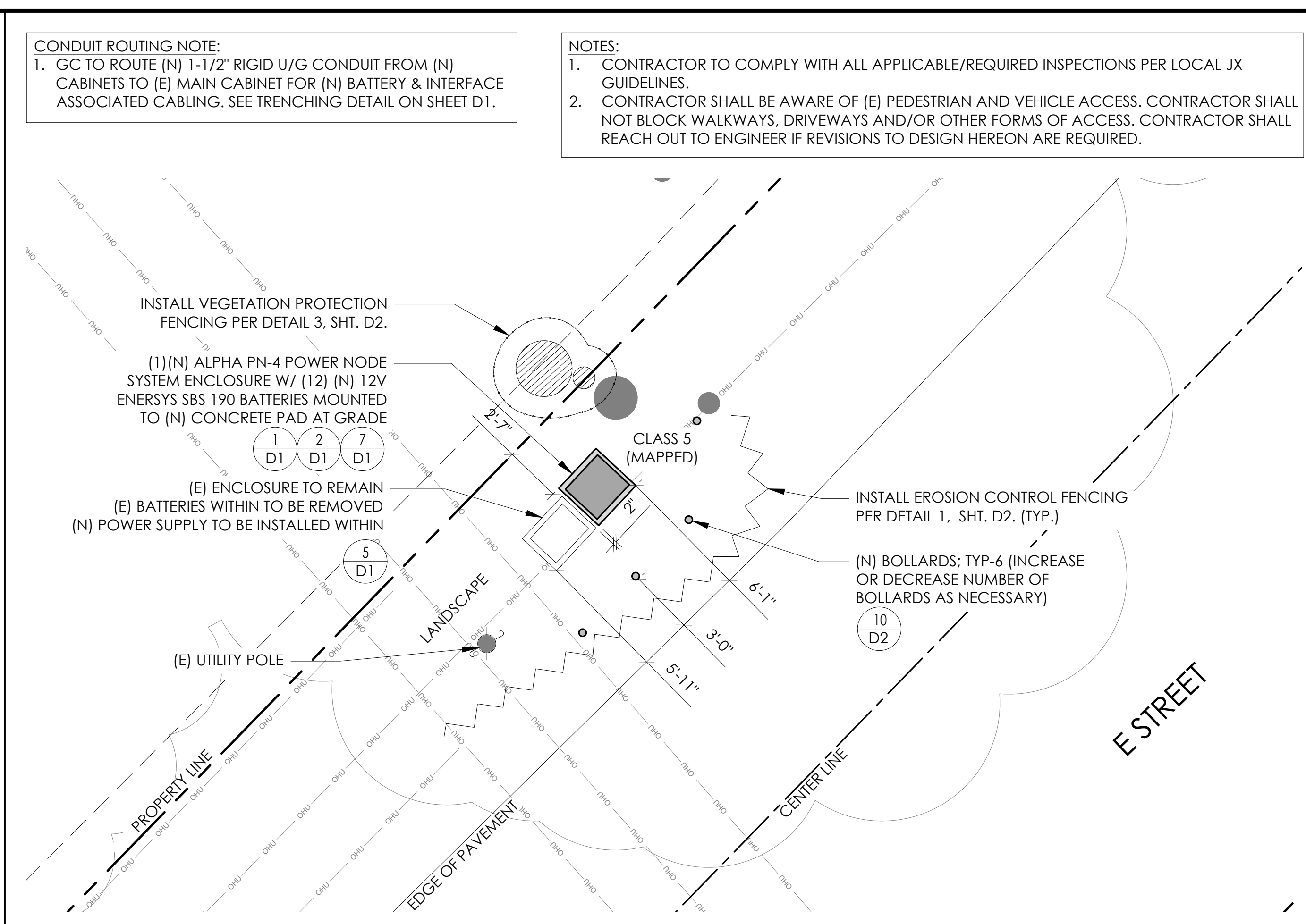
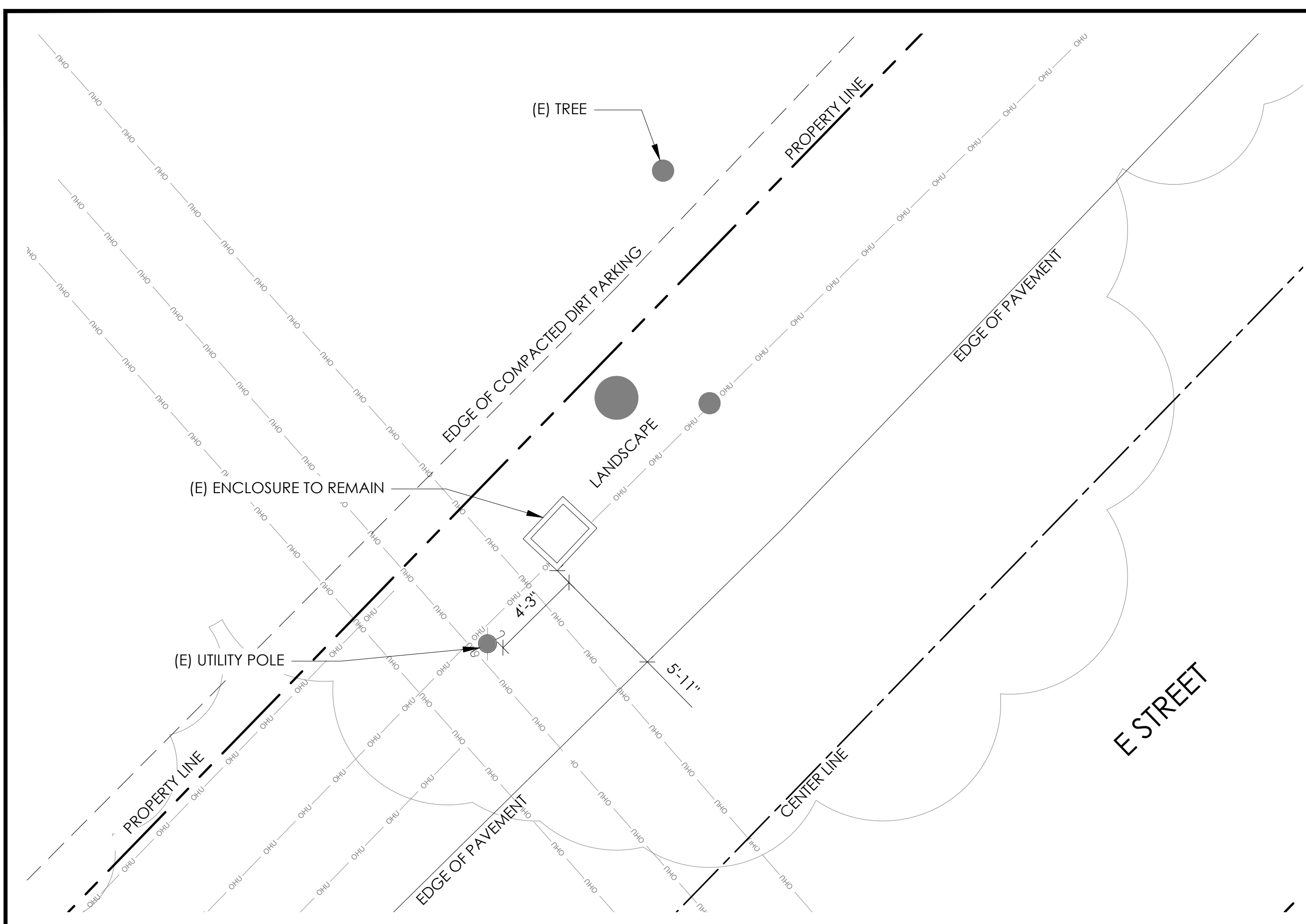
LEGEND
These standard symbols may be found in the drawing.

	CONCRETE
	PROPERTY LINE CENTER LINE
	OVERHEAD LINE
	FENCE HEADER
	ROOF
	WALL
	ROCK WALL
	PULL BOX ELECTRIC
	PULL BOX TELEPHONE
	PULL BOX COMMUNICATION
	WATER METER
	WATER VALVE
	POWER POLE
	ELEVATION GRADE
	GUY WIRE
	MAILBOX
	SIGN
	MANHOLE TELEPHONE
	MANHOLE SEWER
	RECTANGLE INLET
	FIRE HYDRANT
	SHRUB
	TRUNK
	CT CONIFEROUS TREE
	DT DECIDUOUS TREE
	TC TOP OF CURB
	FC FACE OF CURB
	TF TOP OF FENCE
	TW TOP OF WALL
	CD CURB DRAIN



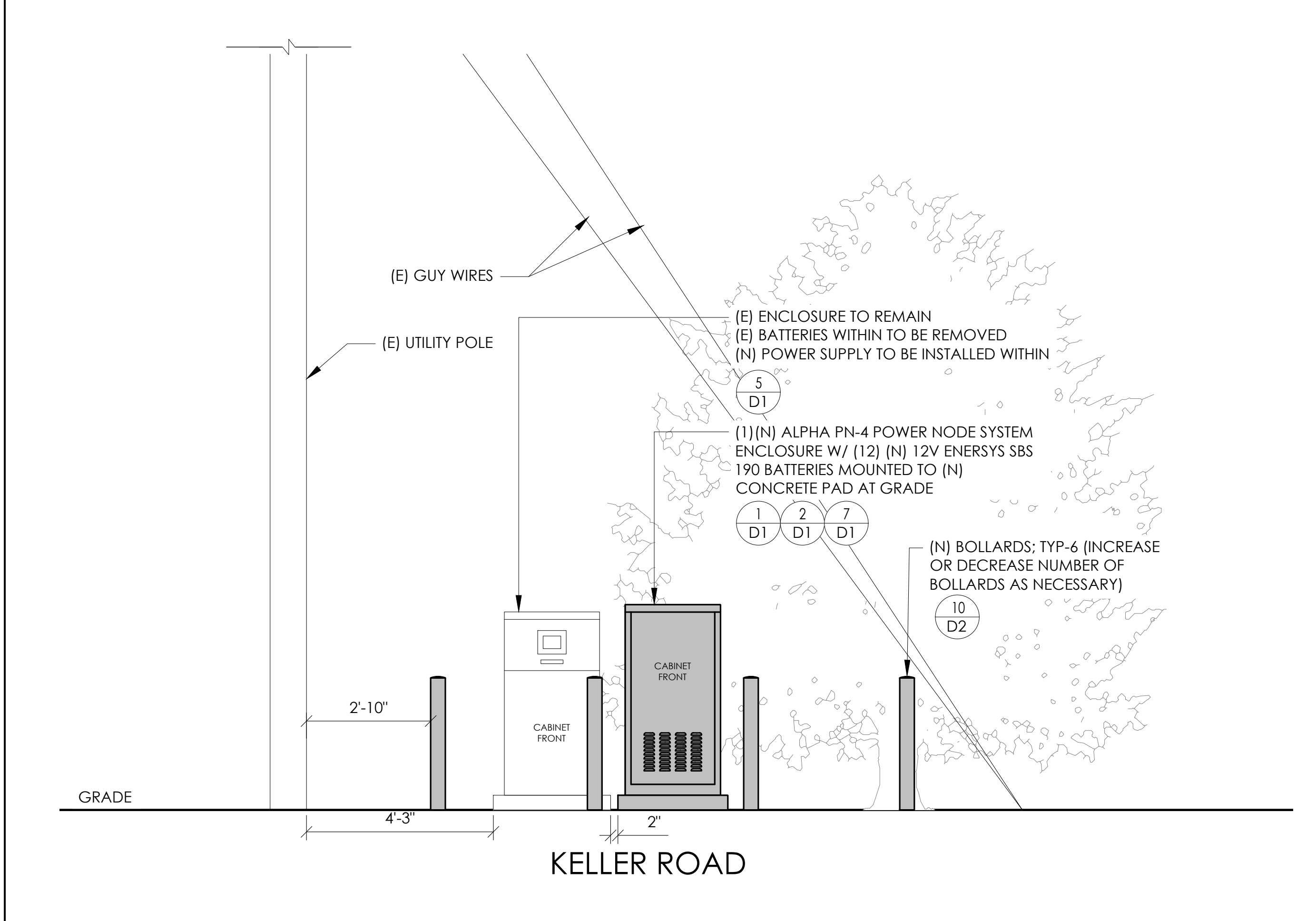
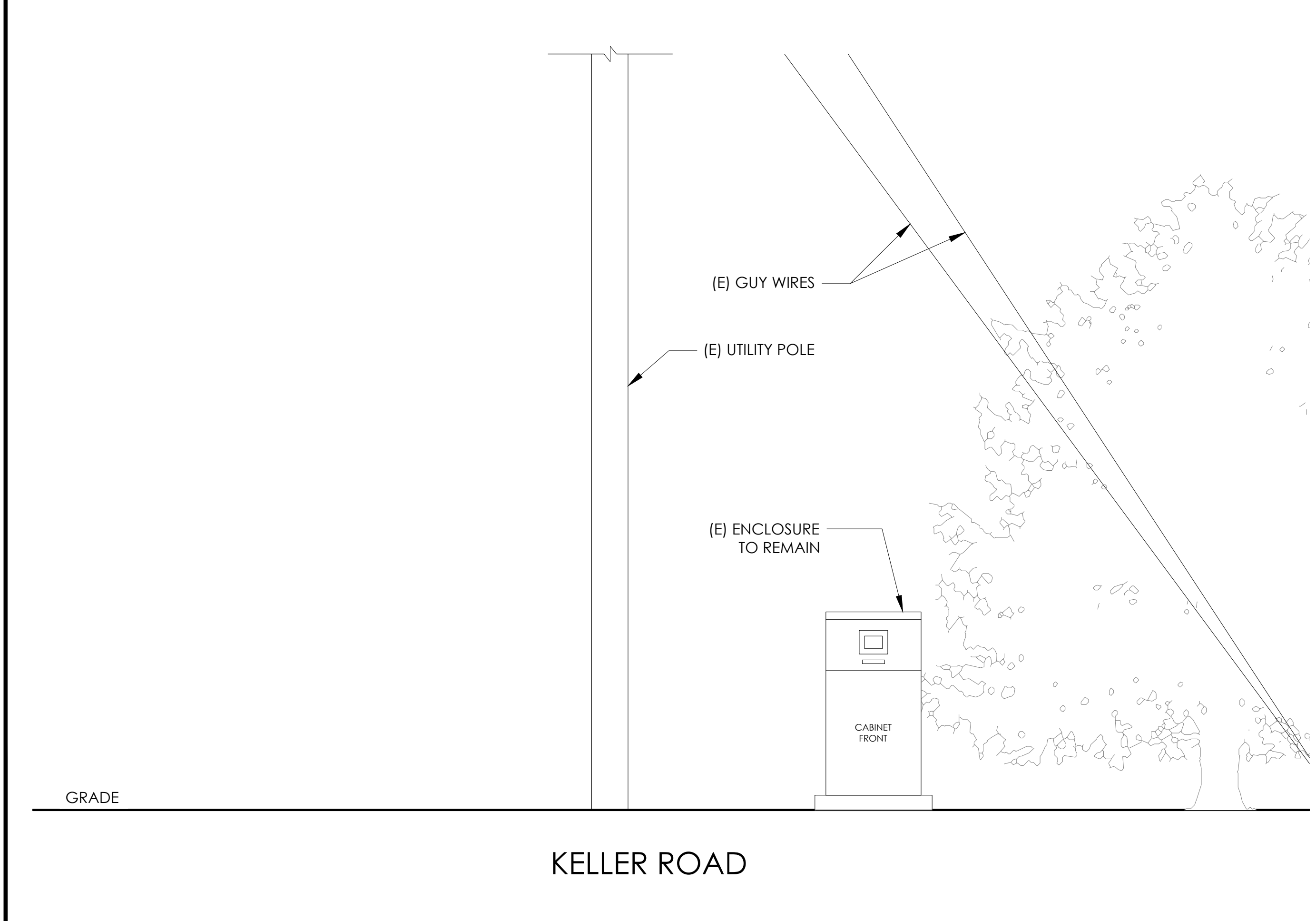
SITE SURVEY
SCALE 1"=10'





EXISTING ENLARGED SITE PLAN

PROPOSED ENLARGED SITE PLAN

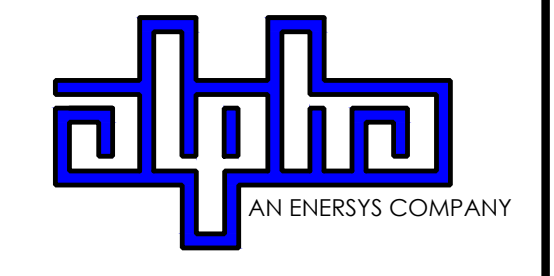


EXISTING ELEVATION

PROPOSED ELEVATION



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



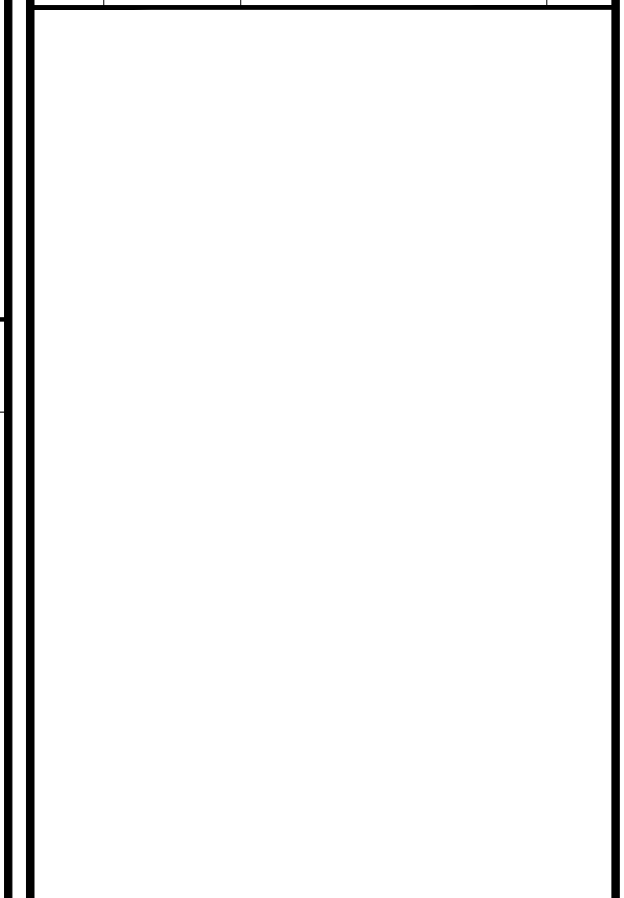
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058752

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/03/21	90% CD	GP
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/26/23	100% CD REV PER PCC#1	JG
4	10/05/23	SURVEY SHT / BOLLARD ADD	MZ



SEAL

SITE INFORMATION

**SITE ID:
ST126D_A**

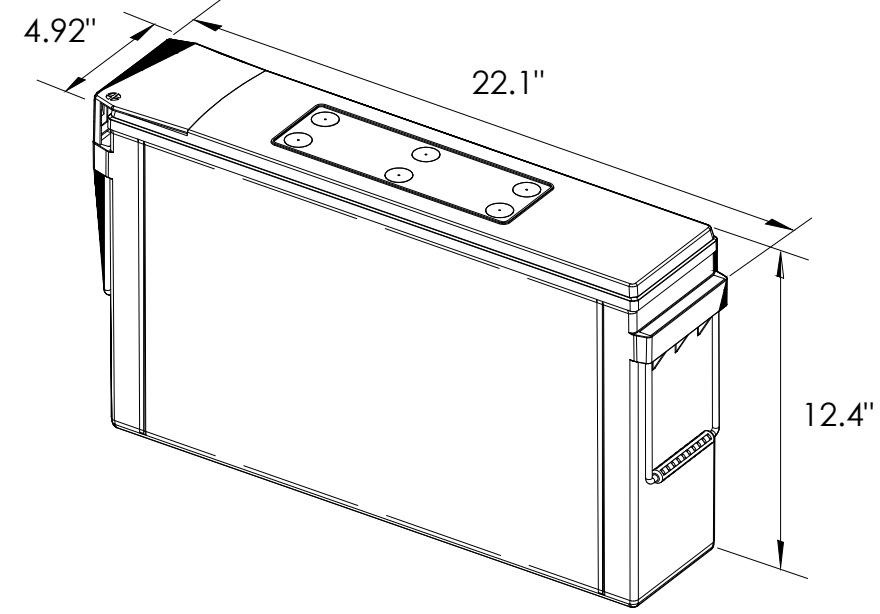
SITE ADDRESS:
2059 E ST,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
ELEVATIONS

A1



ENERSYS SBS 190F BATTERY UNIT



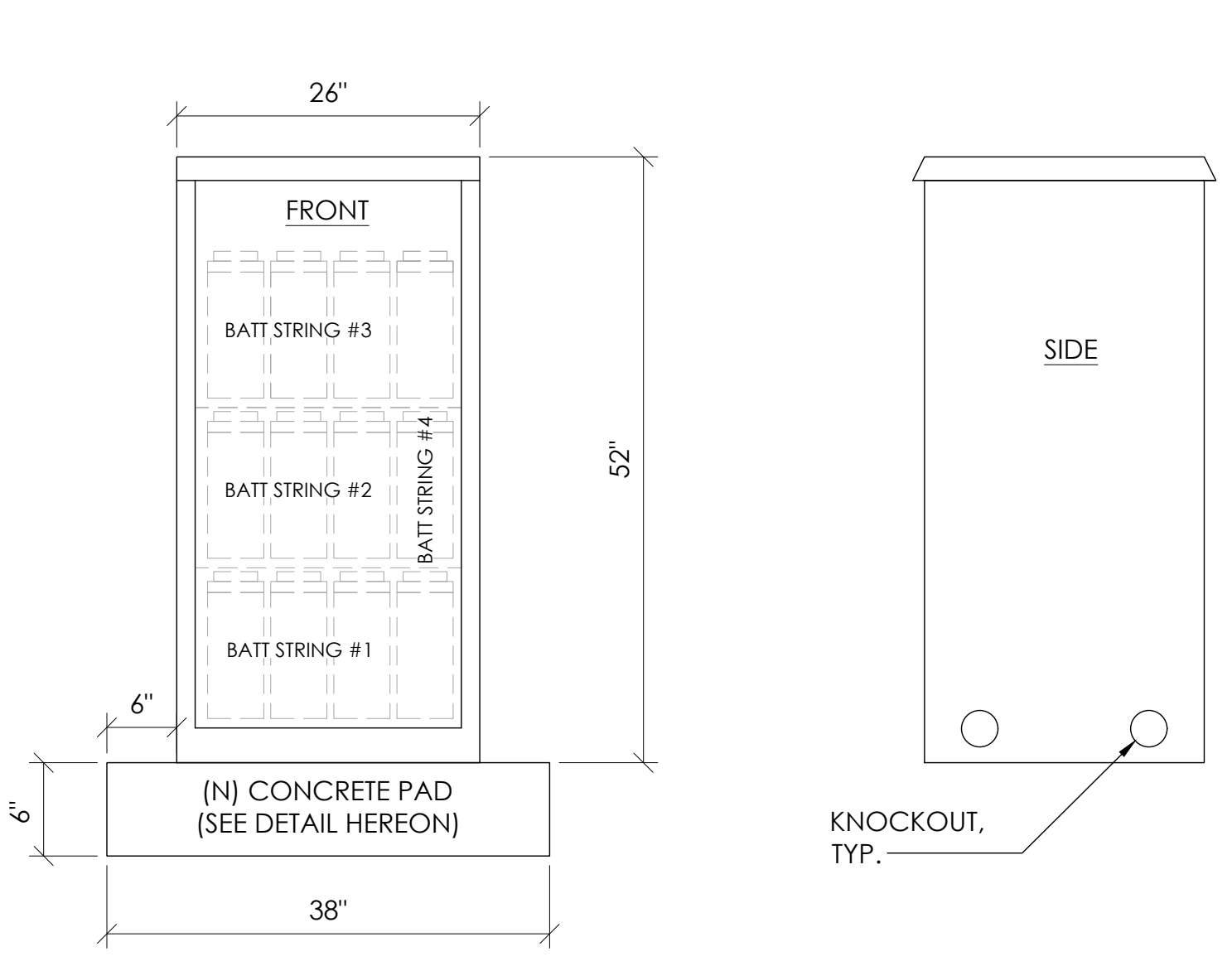
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG:	ENERSYS
MODEL:	SBS 190 FT
HEIGHT:	12.4 IN
WIDTH:	4.92 IN
LENGTH:	22.1 IN
WEIGHT:	132 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE SBS 190F	12	12	190	2.28	27.36			2.34	28.08
TOTAL		12				27.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		28.08

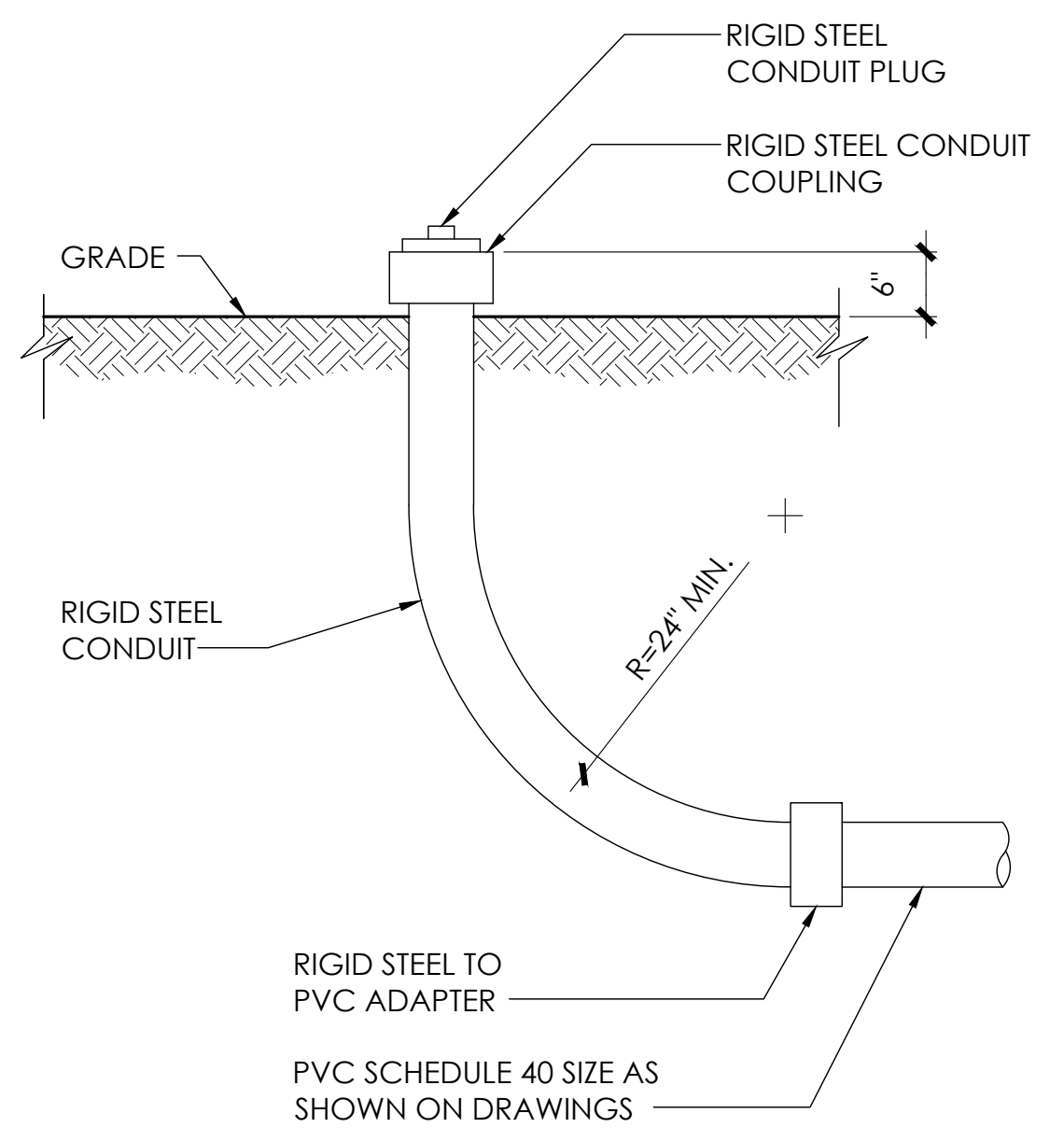
7 BATTERY SPECIFICATIONS N.T.S.



CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	180 LBS.
WEIGHT (W/ BATTERIES):	1,764 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	CABINET #1: (4) BATTERY STRINGS

1 EQUIPMENT CABINET DETAIL N.T.S.



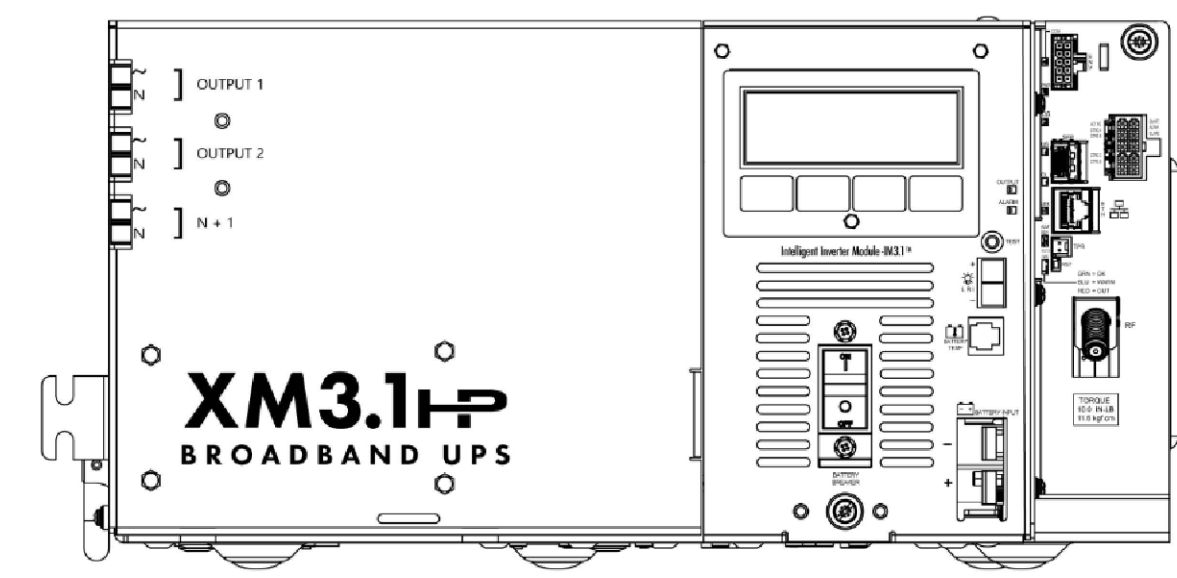
8 STUB-UP DETAIL N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

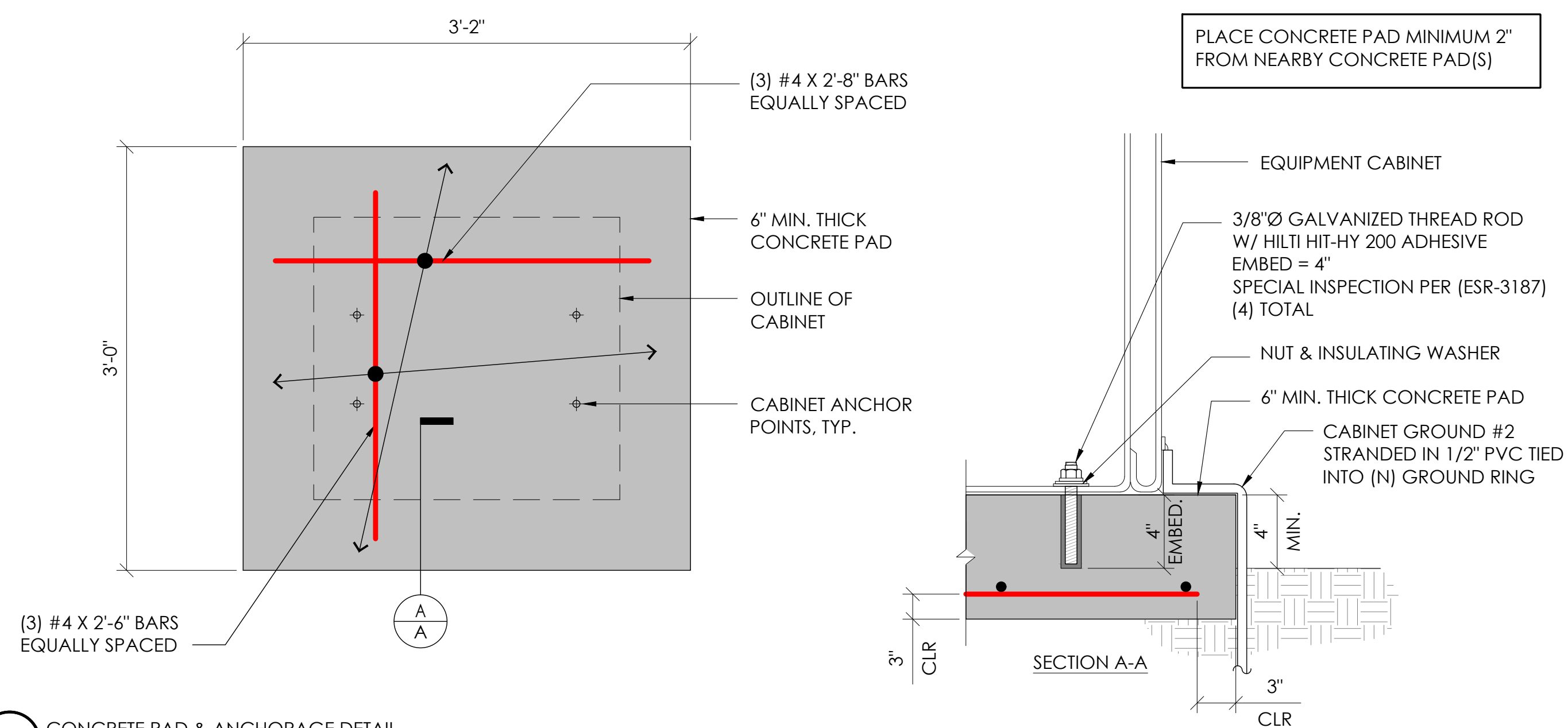
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

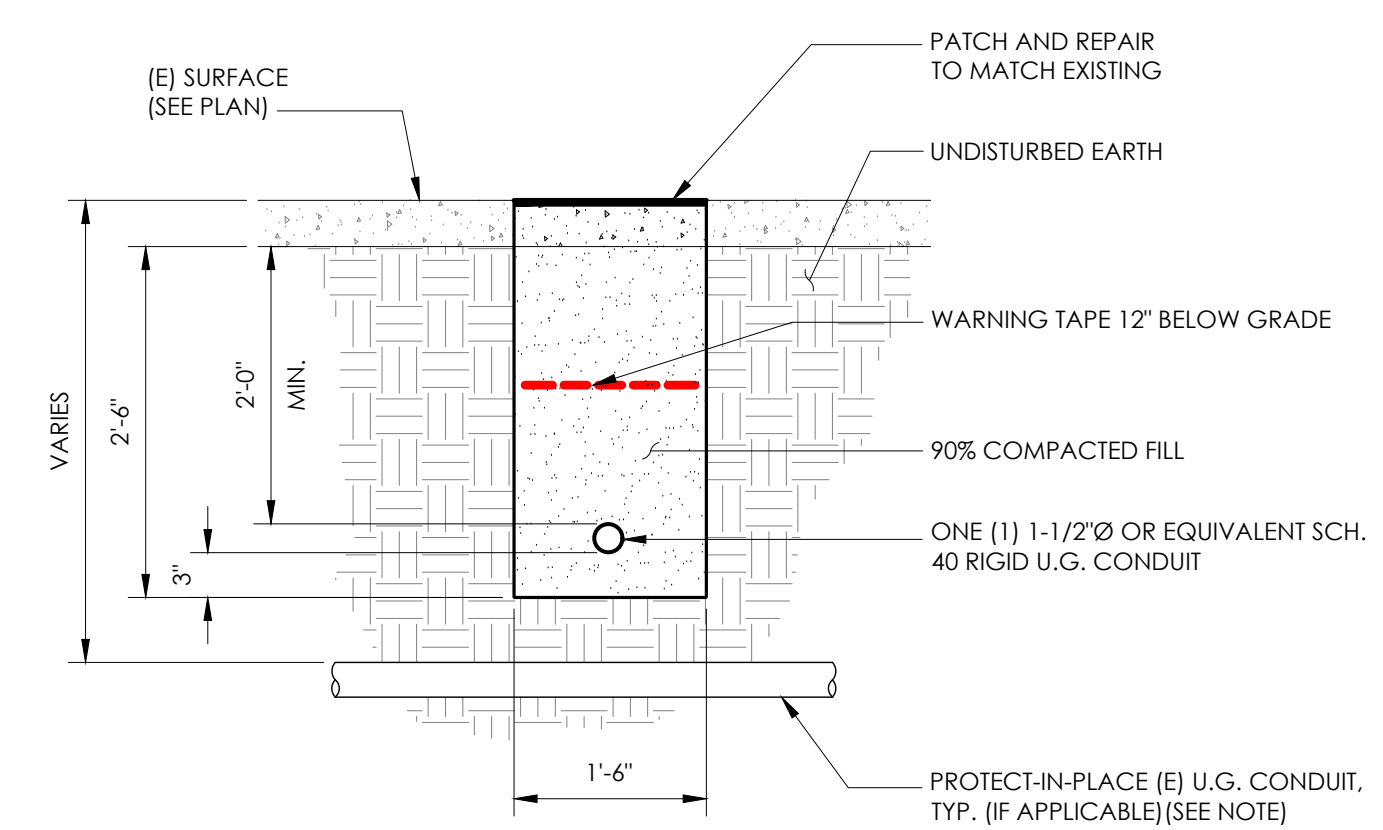


5 POWER SUPPLY DETAIL N.T.S.

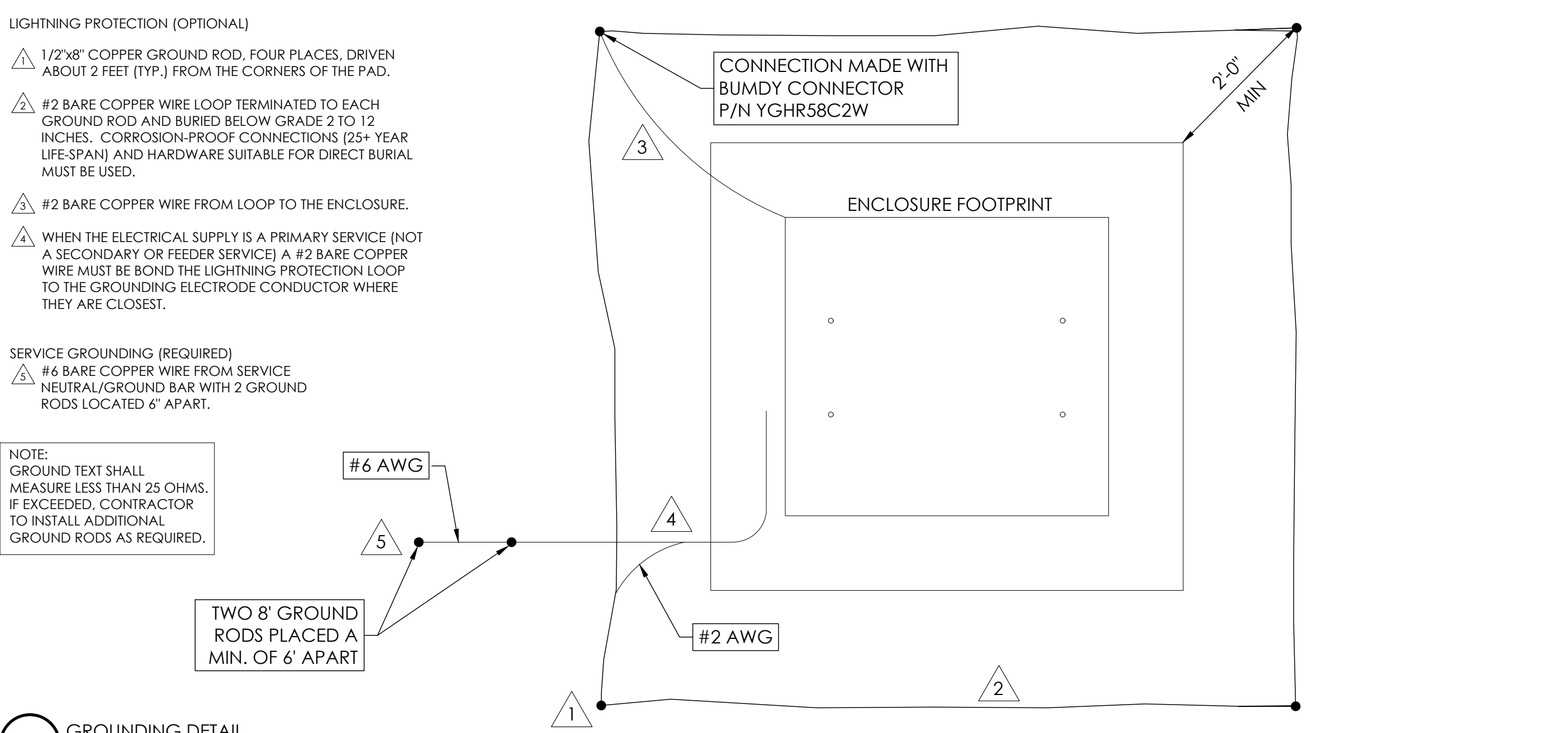


2 CONCRETE PAD & ANCHORAGE DETAIL N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



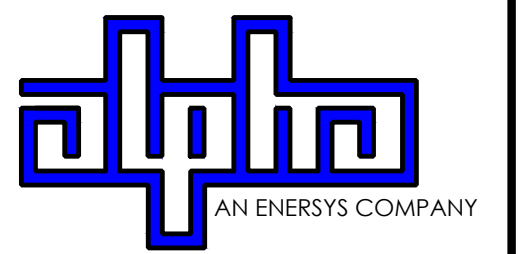
6 TRENCHING DETAIL N.T.S.



3 GROUNDING DETAIL N.T.S.



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



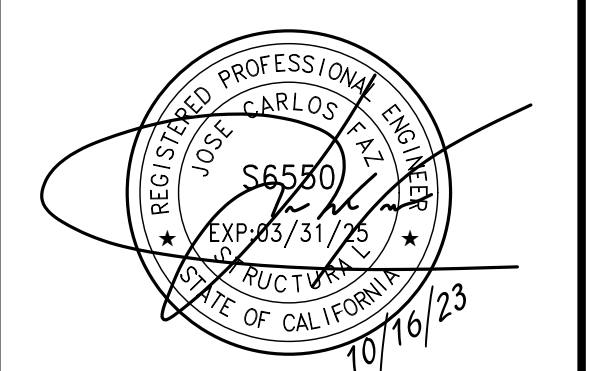
23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058752

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/03/21	90% CD	GP
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/26/23	100% CD REV PER PCC#1	JG
4	10/05/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

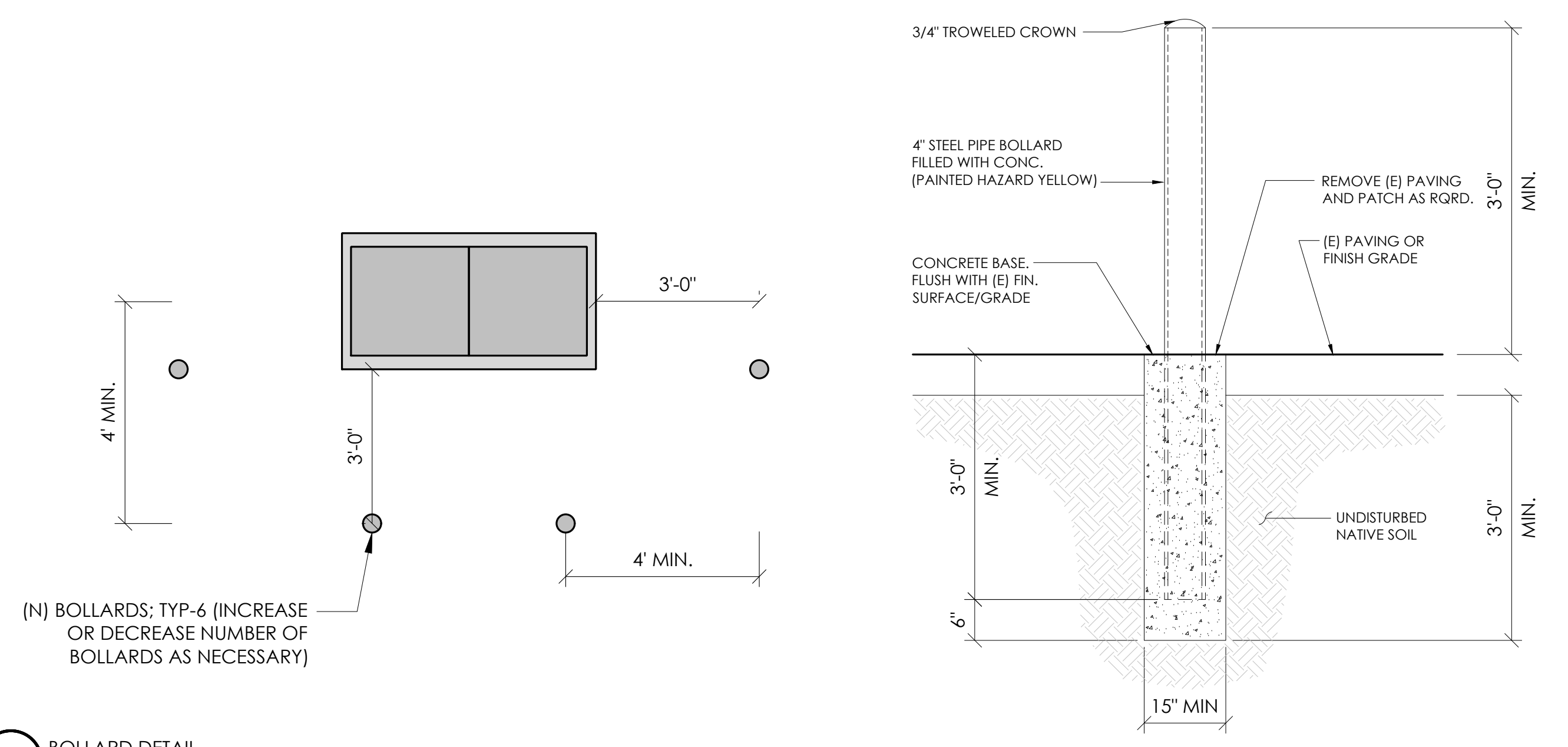
SITE ID: ST126D_A

SITE ADDRESS: 2059 E ST, SOUTH LAKE TAHOE, CA 96150

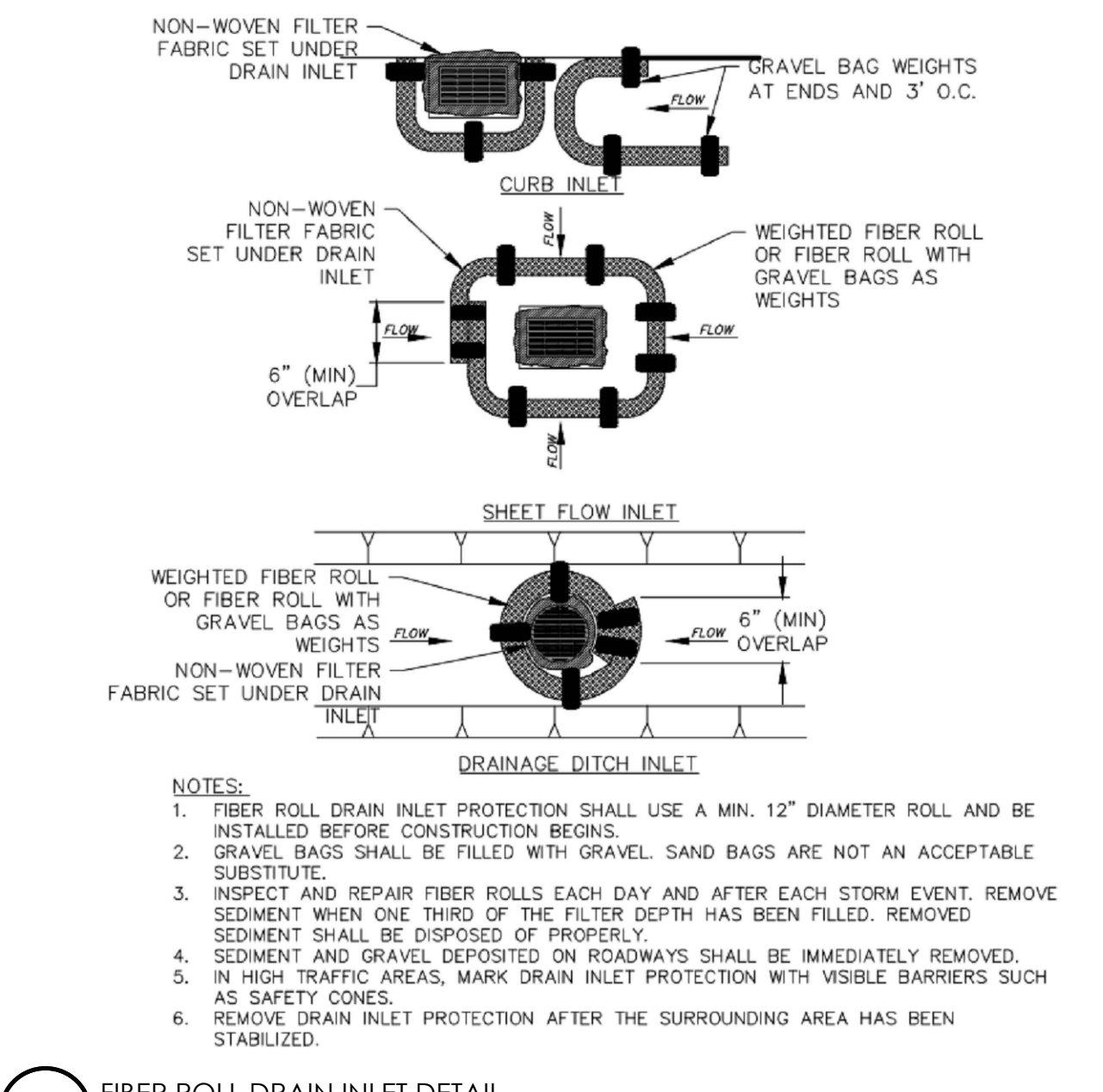
SHEET TITLE:

DETAILS

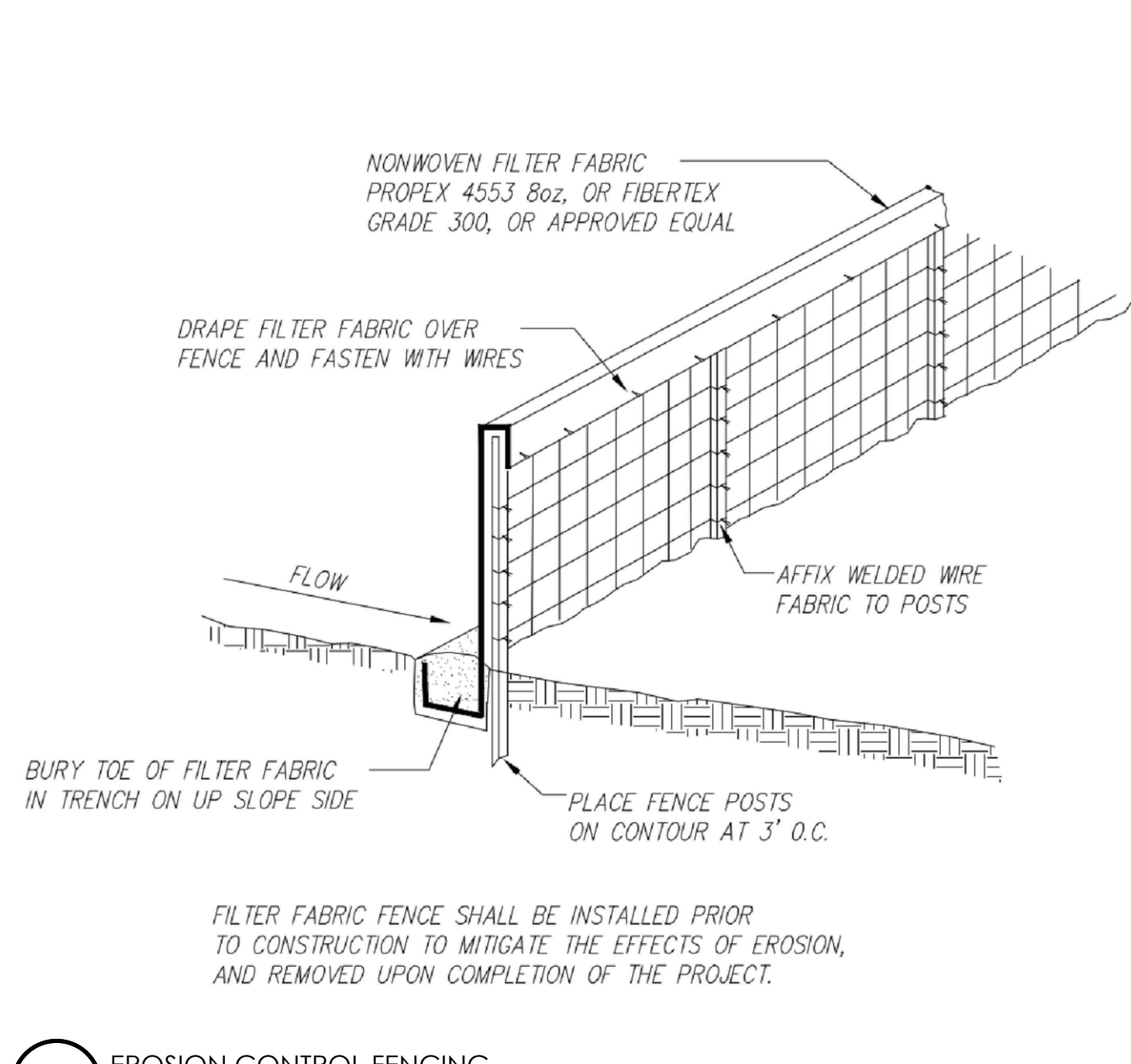
D1



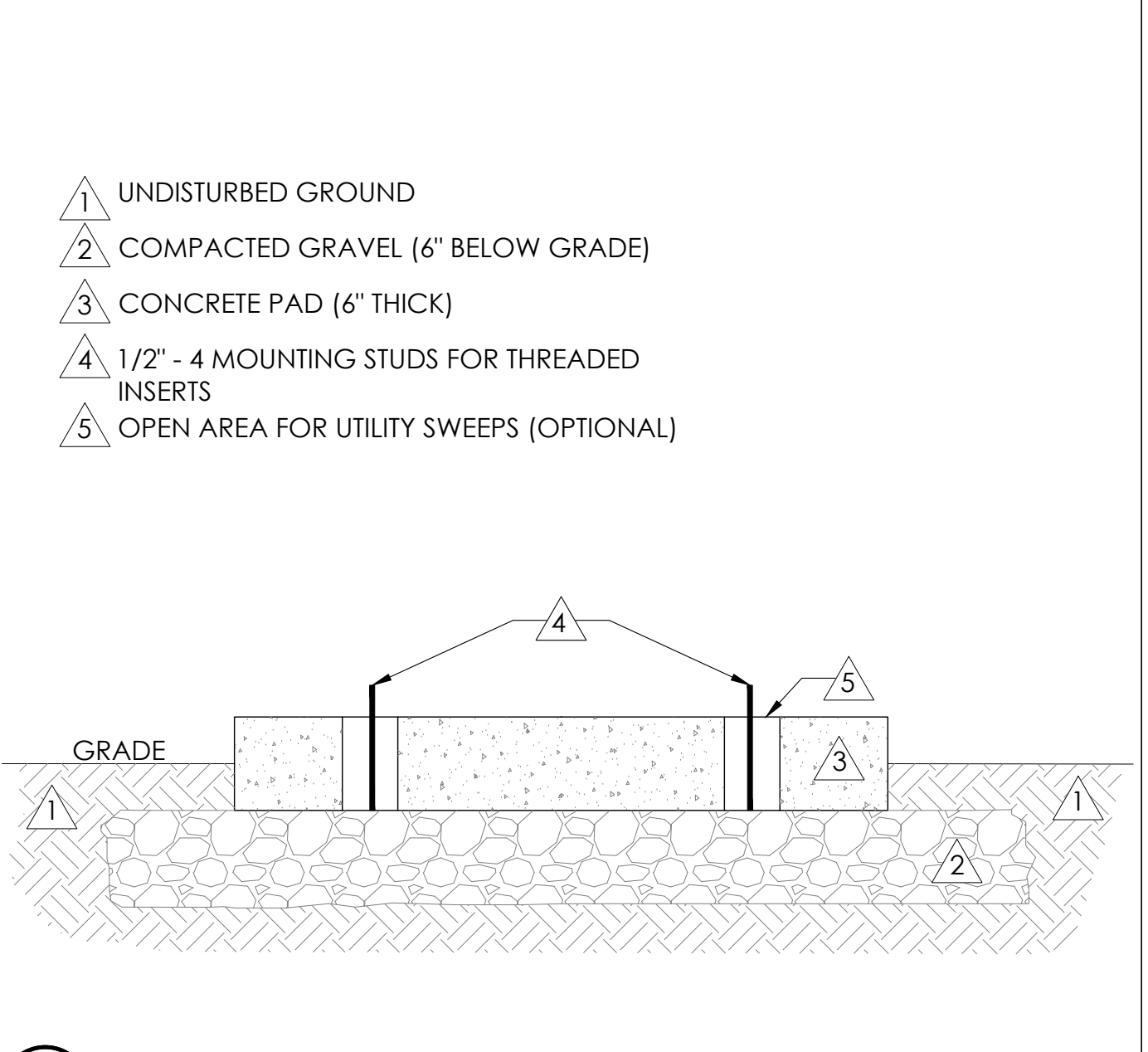
10 BOLLARD DETAIL
N.T.S.



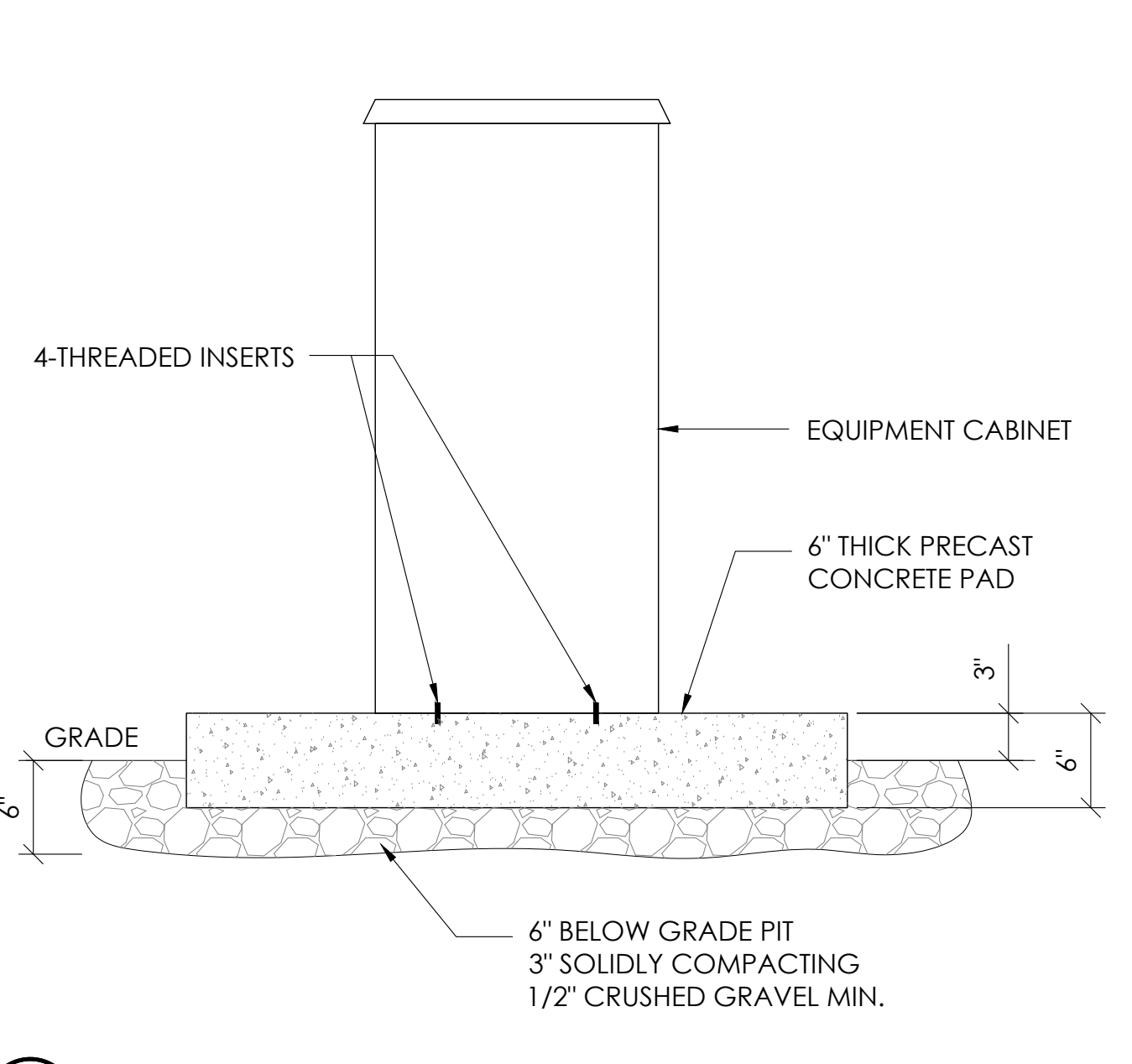
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



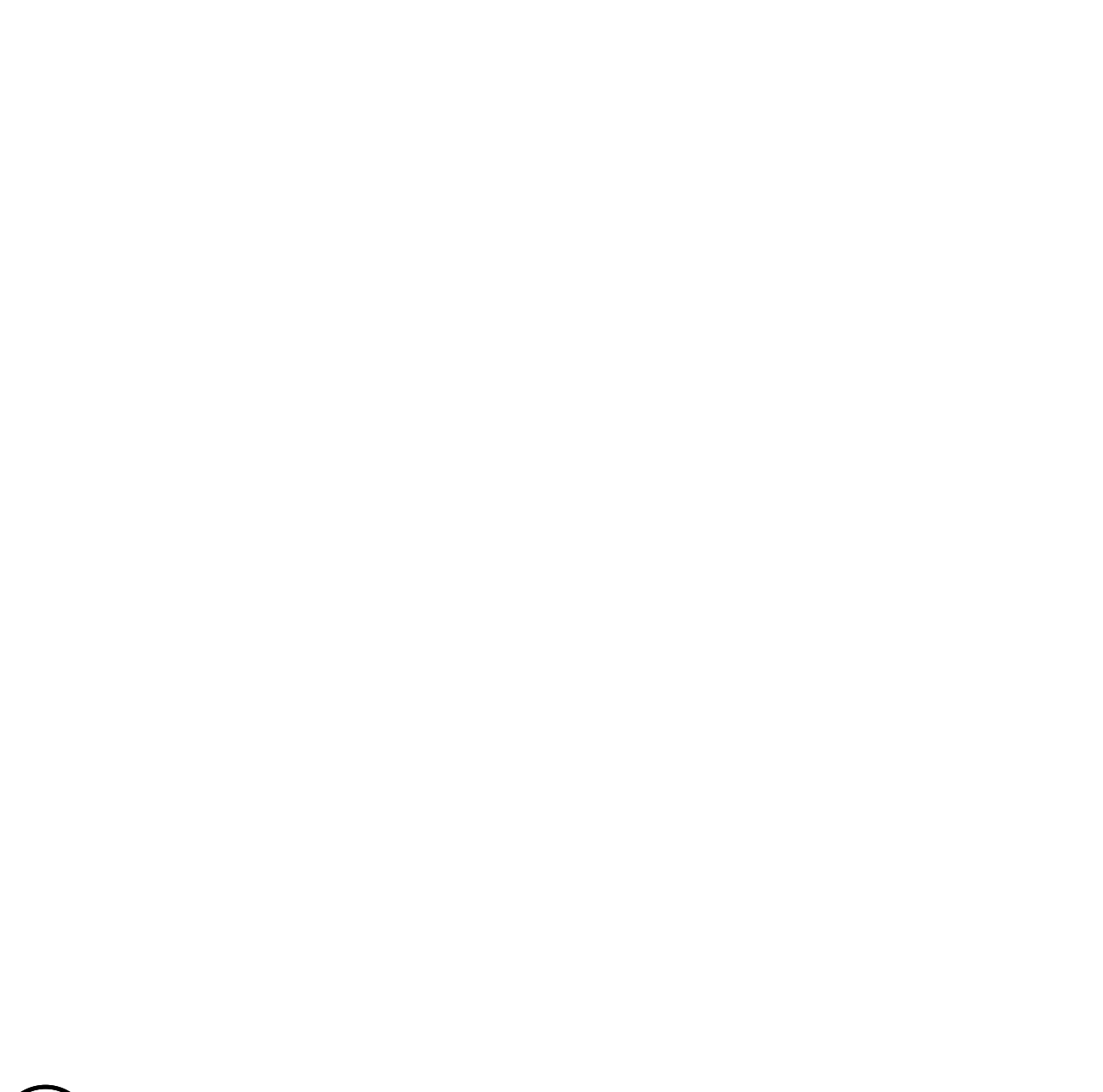
1 EROSION CONTROL FENCING
N.T.S.



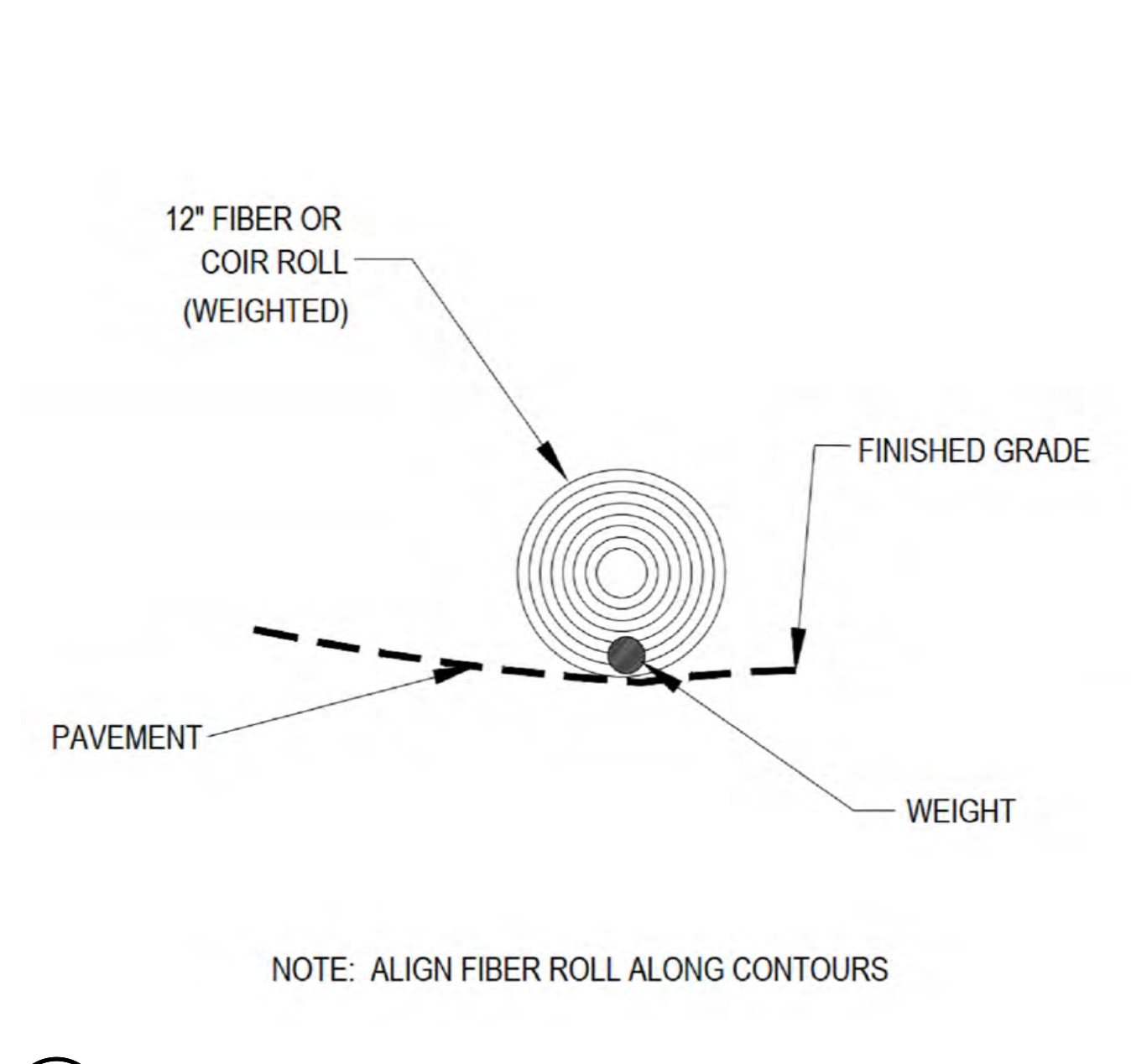
11 FOUNDATION BASE FOR PN4
N.T.S.



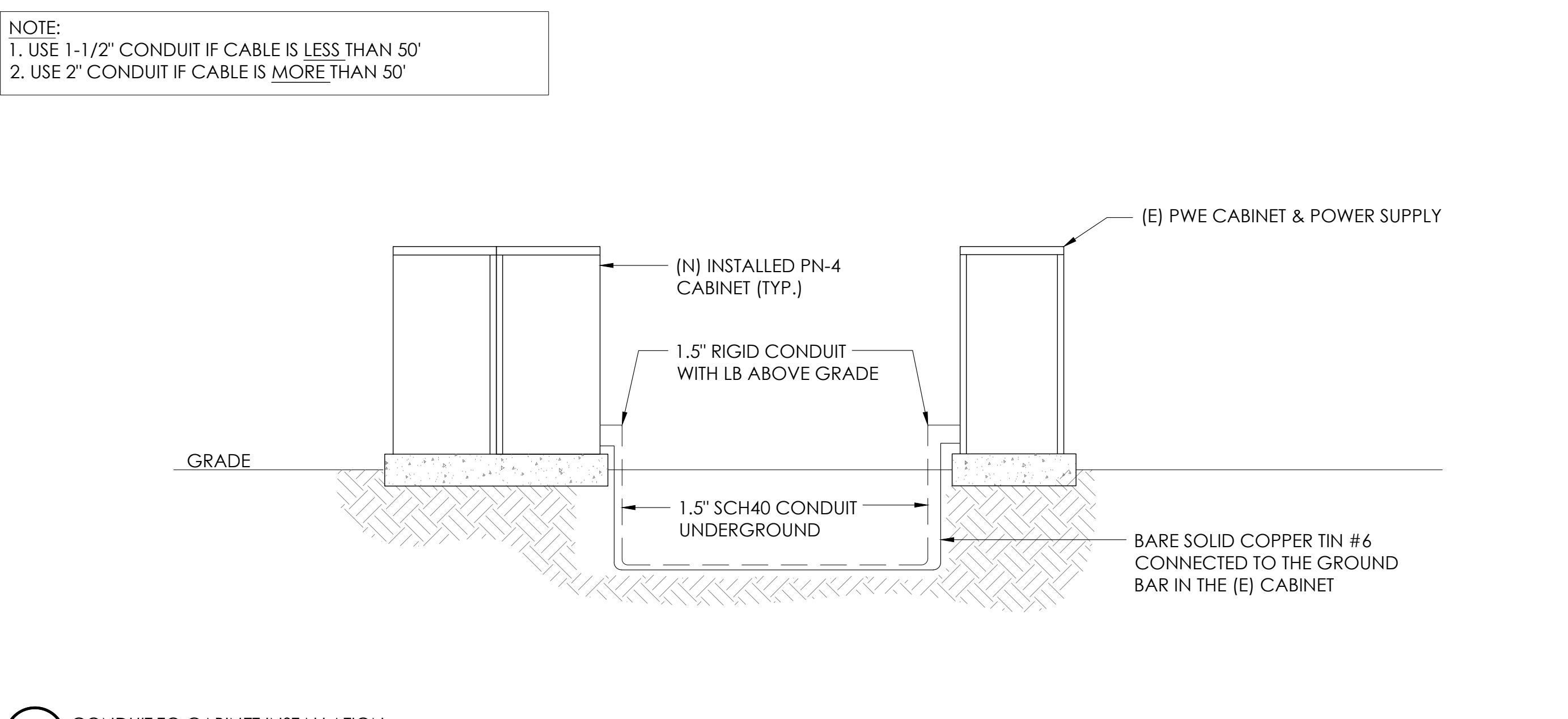
8 P4 CABINET INSTALLATION
N.T.S.



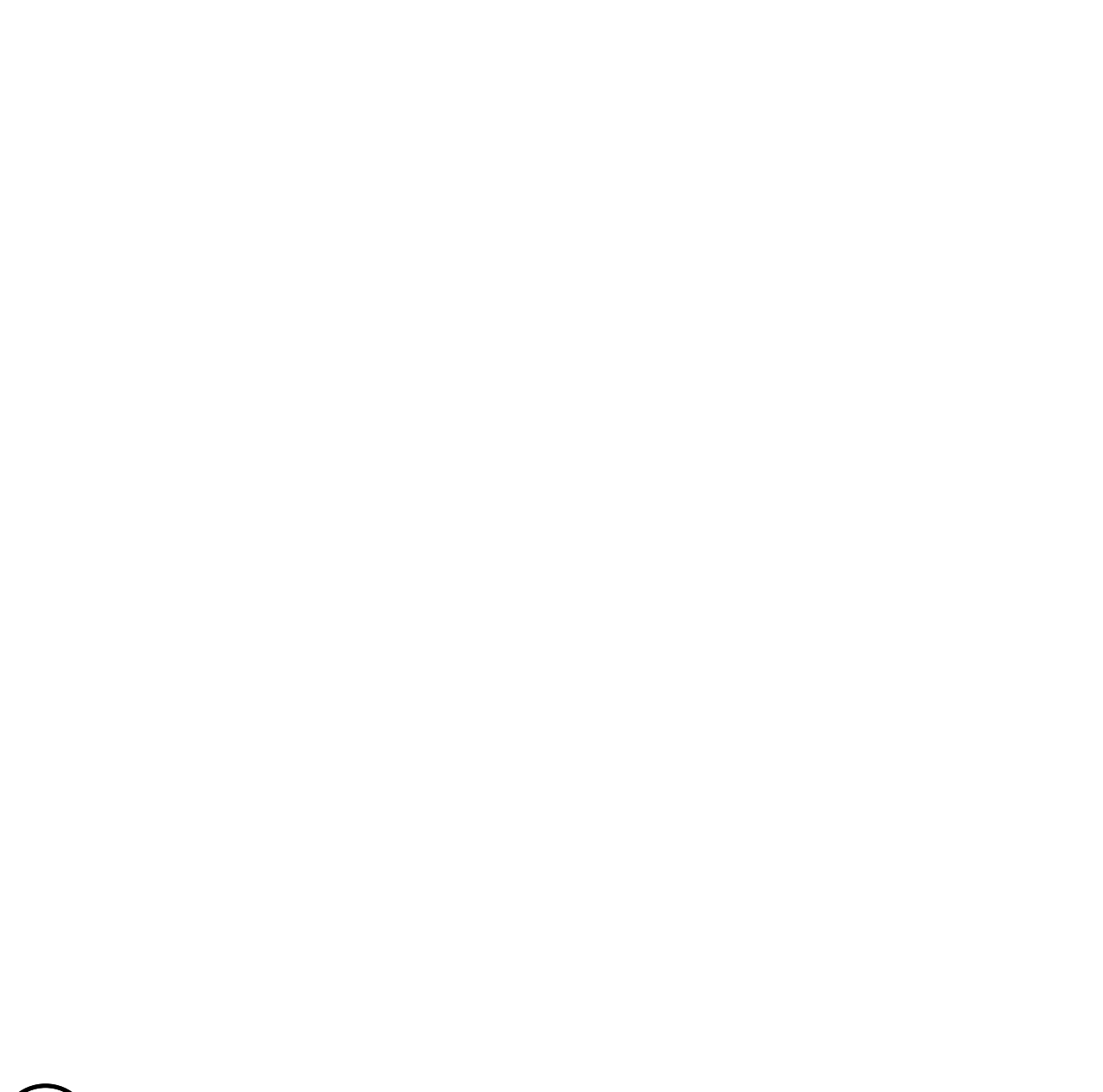
5 NOT USED
N.T.S.



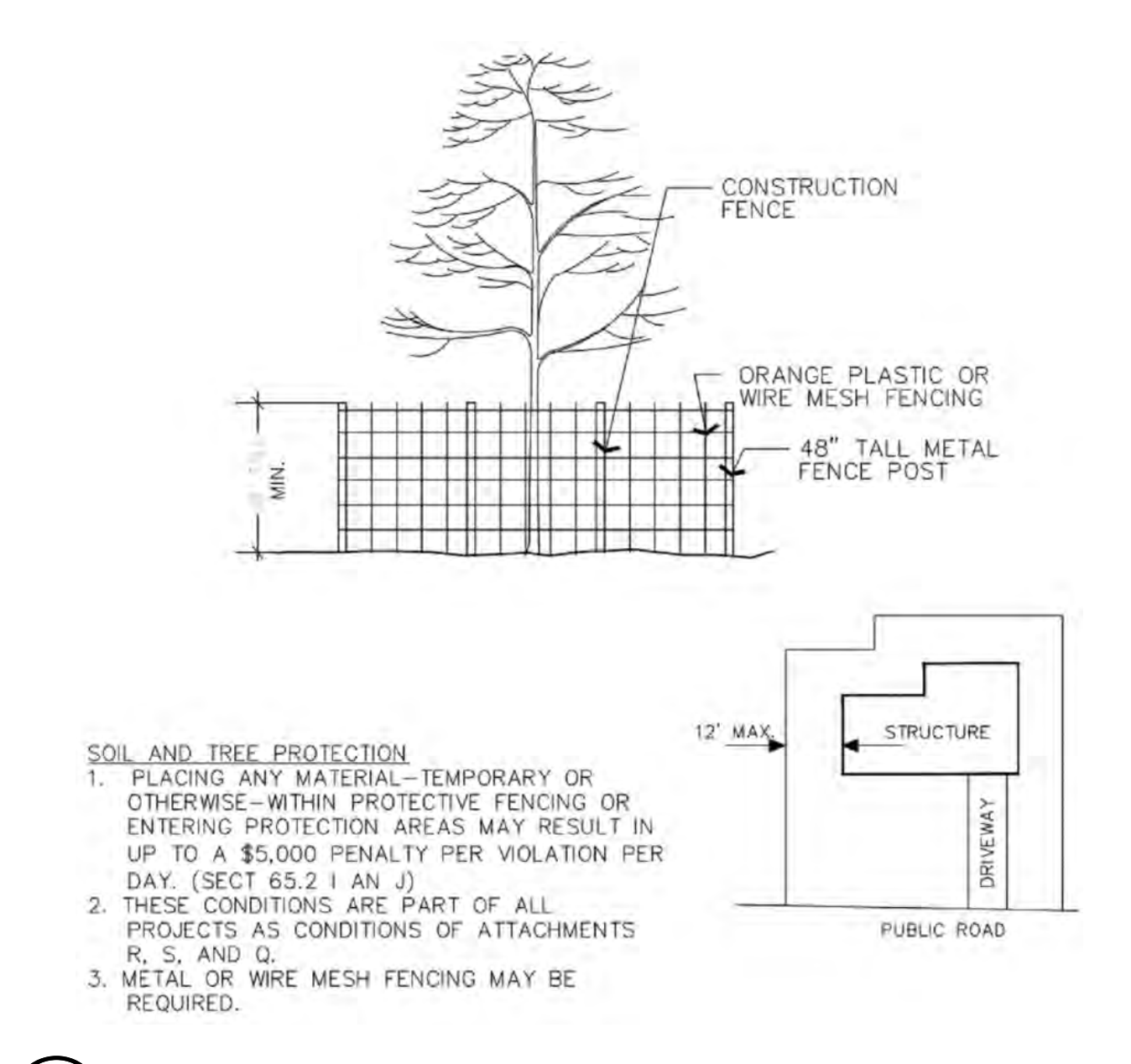
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

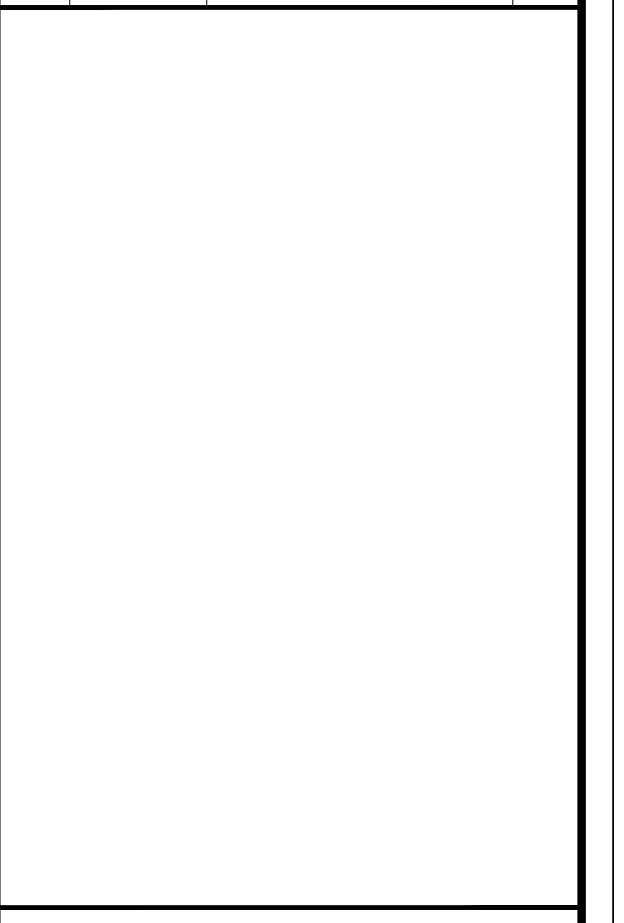


23 MAUCHLY, STE 110
IRVINE, CA 92618

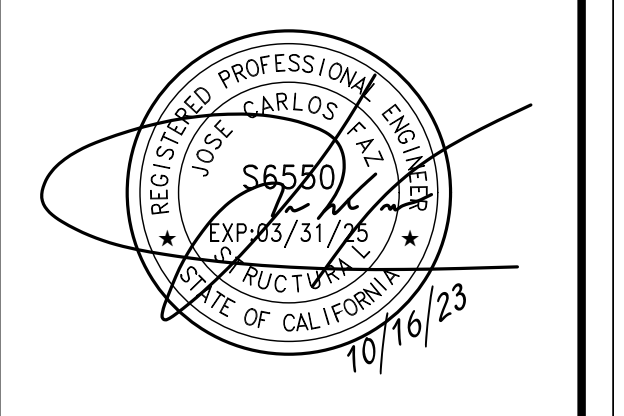
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058752

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/03/21	90% CD	GP
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/26/23	100% CD REV PER PCC#1	JG
4	10/05/23	SURVEY SHT / BOLLARD ADD	MZ



SEAL



SITE INFORMATION

SITE ID:
ST126D_A

SITE ADDRESS:
2059 E ST,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
DETAILS

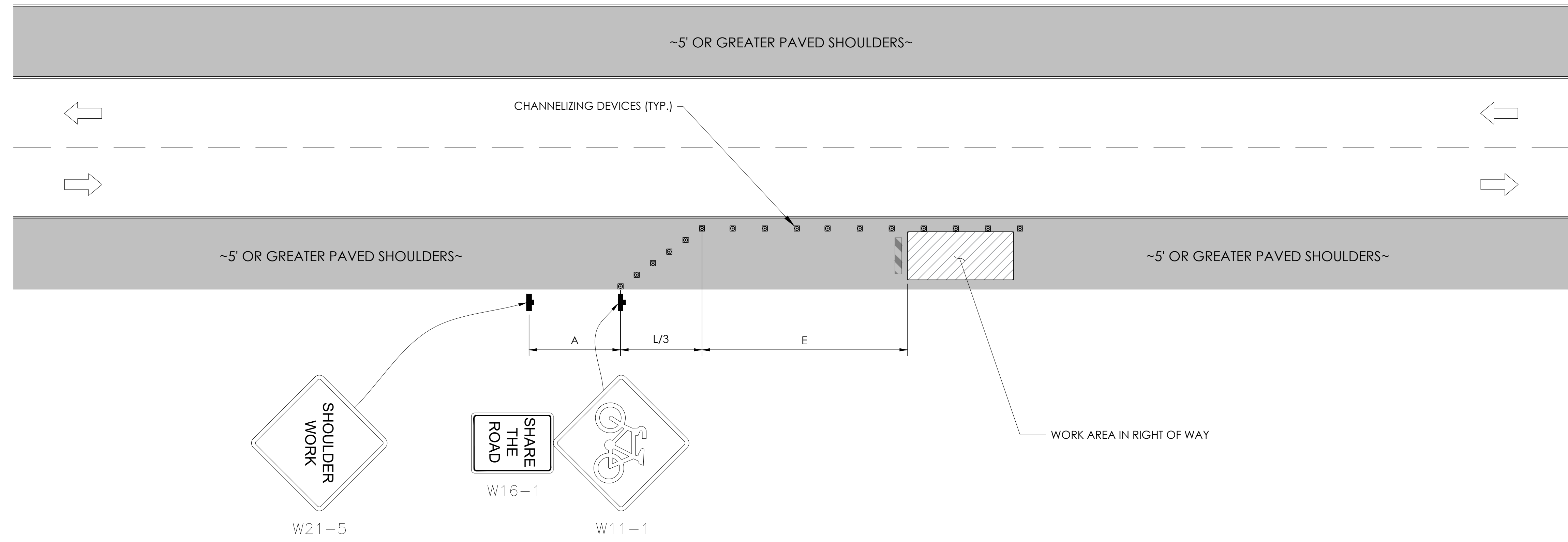
D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
 7:00AM - 3:30PM



Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058752

ISSUE STATUS			
REV	DATE	DESCRIPTION	BY
A	08/03/21	90% CD	GP
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	10/05/23	SURVEY SHT / BOLLARD ADD	MZ

GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)

SEAL

SITE INFORMATION

**SITE ID:
ST126D_A**

SITE ADDRESS:
2059 E ST,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP

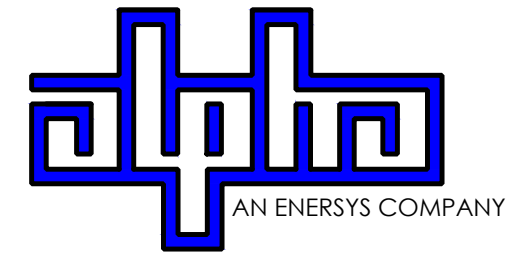


SITE ID: ST124C_A

SITE ADDRESS: 2224 VENICE DR, SOUTH LAKE TAHOE, CA 96150



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069692

2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- INSTALLATION OF (6) (N) BOLLARDS
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

SITE ADDRESS:	2224 VENICE DR SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.92905896, -120.0061631
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	90
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	11
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	PROPOSED COVERAGE (CLASS 6) = 12 SF
CUT/FILL VOLUME:	0.5 C.Y.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	09/22/23	REVISED 100% CD	BH

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ENLARGED SITE PLANS AND ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 1 - CALIFORNIA ADMINISTRATIVE CODE
 PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT

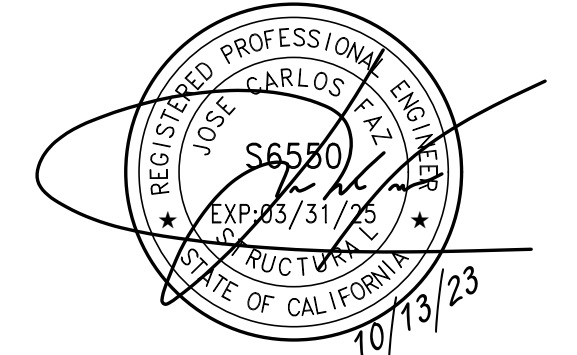
PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANSITIA-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

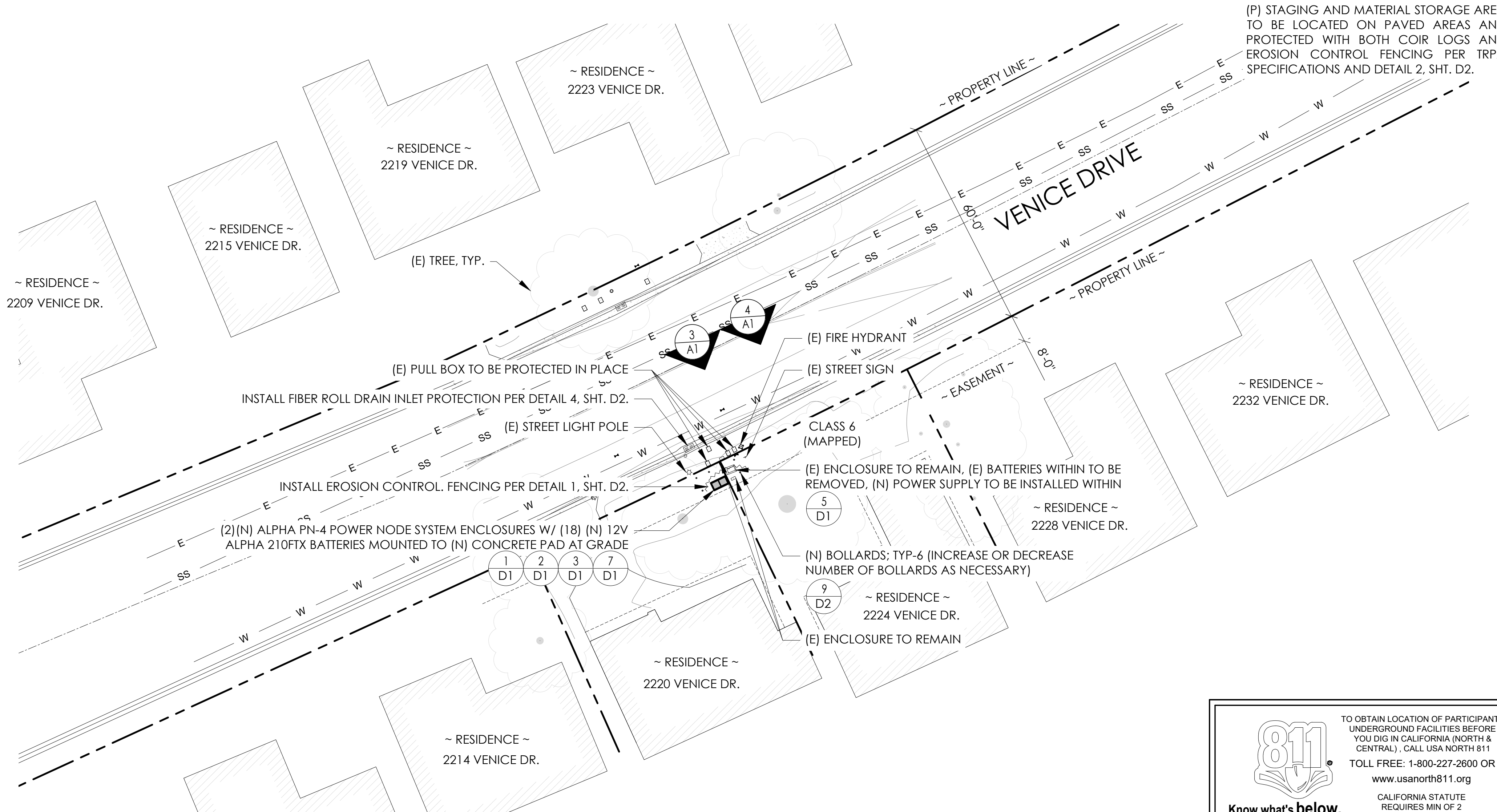
SITE ID: ST124C_A

SITE ADDRESS: 2224 VENICE DR, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

TITLE SHEET

T1



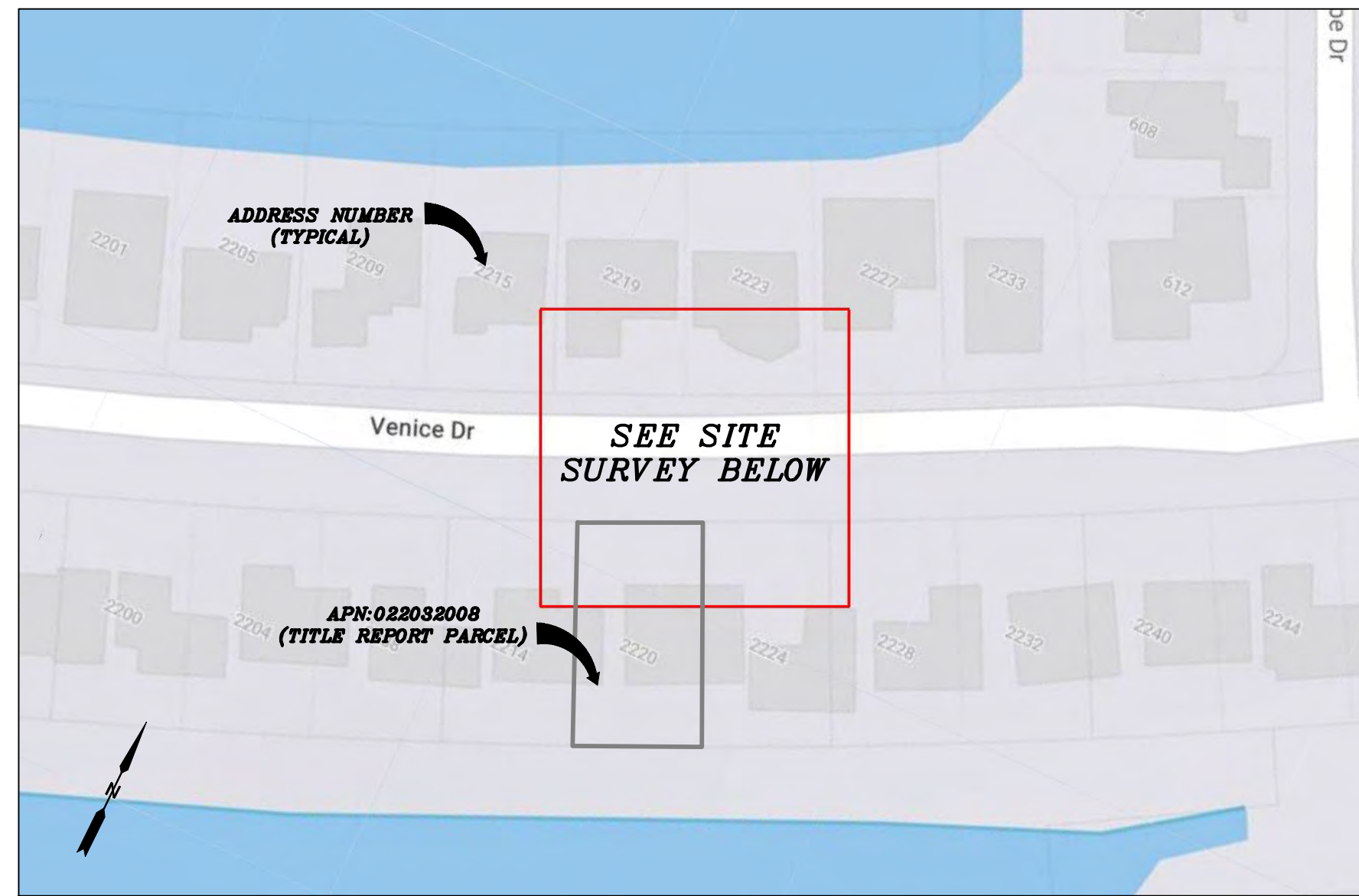
TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
 TOLL FREE: 1-800-227-2600 OR www.usanorth811.org
 CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE



SITE PLAN



VICINITY MAP
N.T.S.



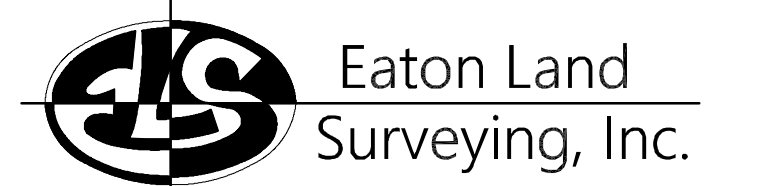
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

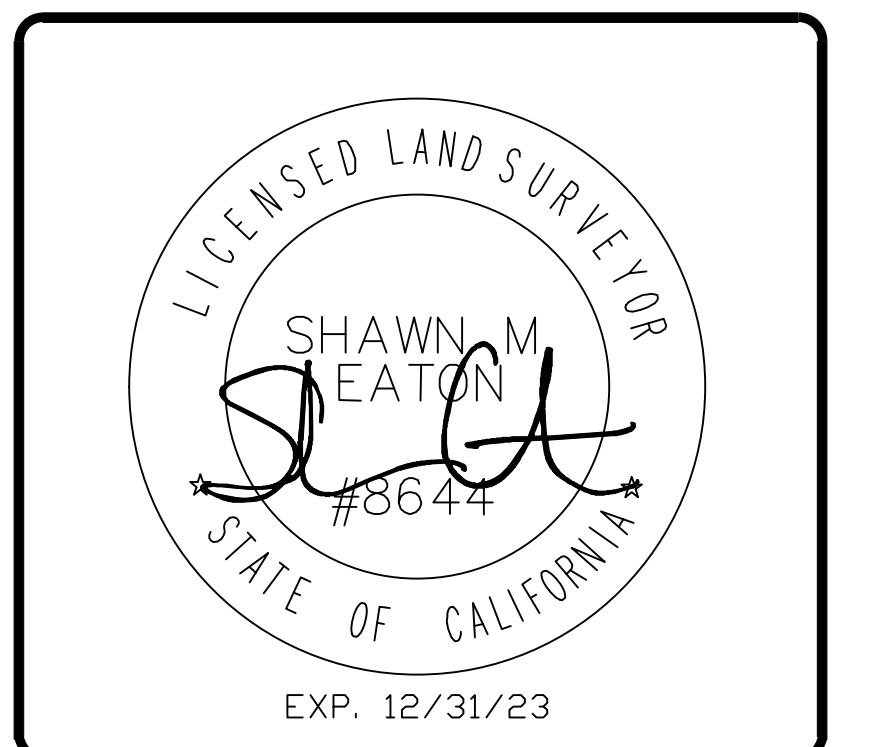
ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/21/23	SUBMITTAL



PROJECT INFORMATION:
ST124C_A
2224 VENICE DR.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/27/2023
BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

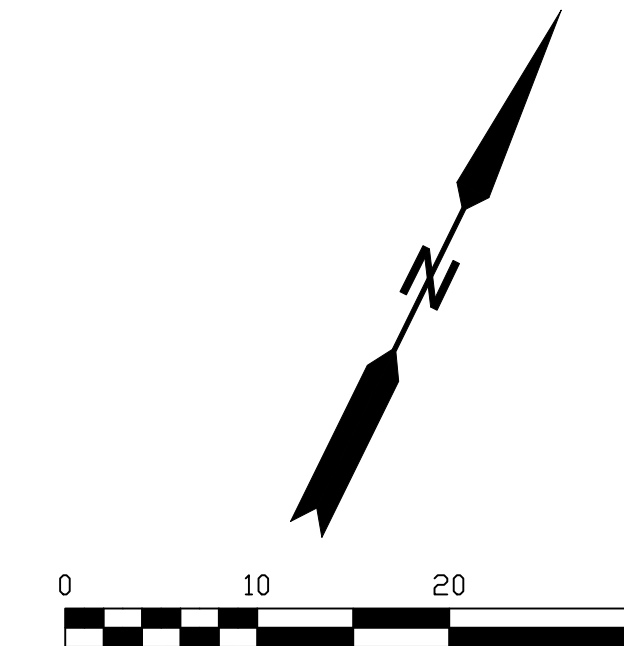
FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK C PAGE(S) 7 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

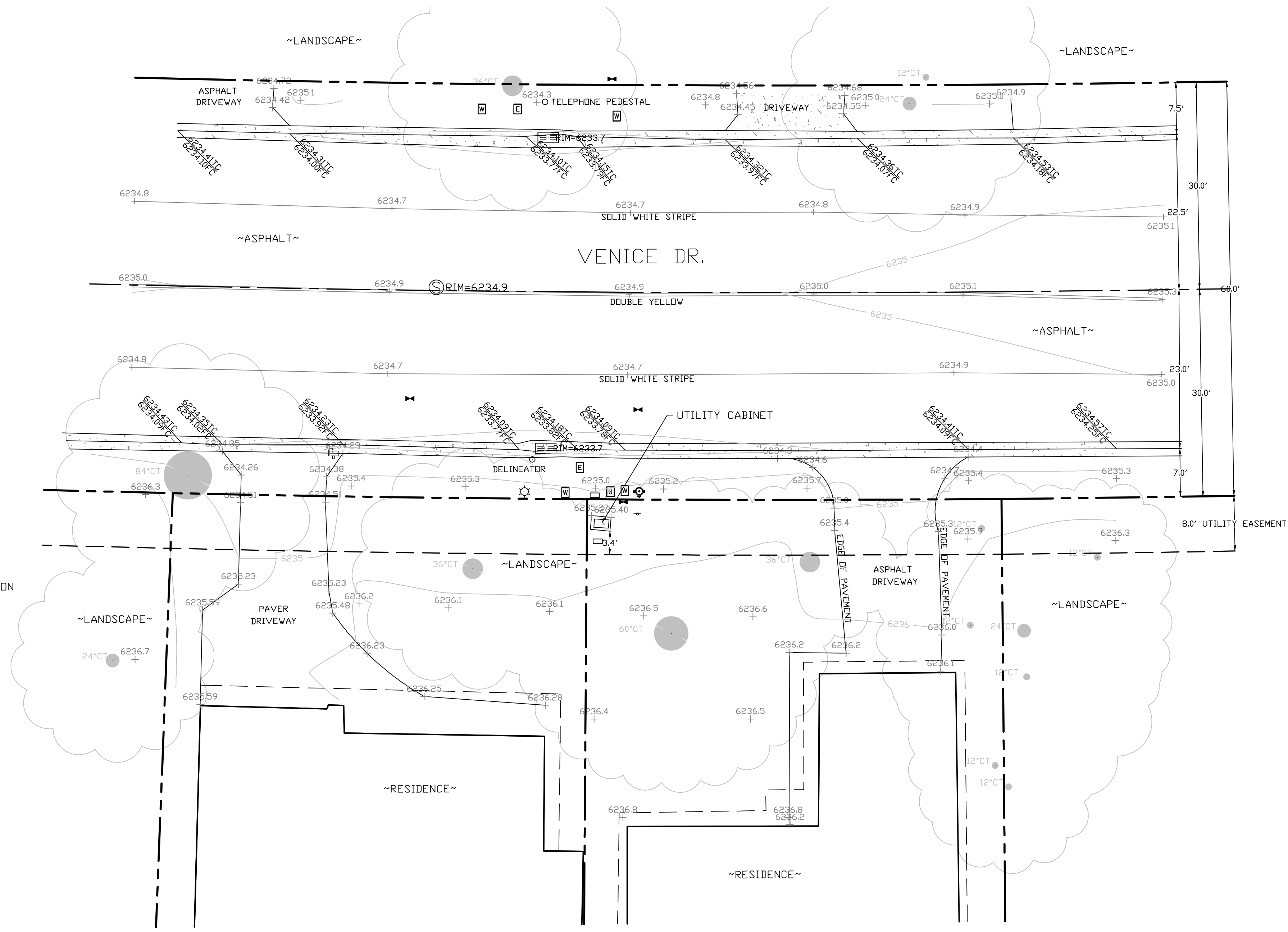
TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL

APN: 022-032-008-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032357 DATED 08/31/2023;



LEGEND

- These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULL BOX ELECTRIC
 - PULL BOX TELEPHONE
 - PULL BOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX (MOVABLE)
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - CATV
 - LAMPPOST



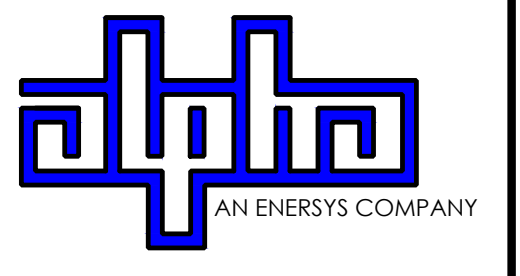
SITE SURVEY
SCALE 1"=10'



Know what's below.
Call before you dig.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

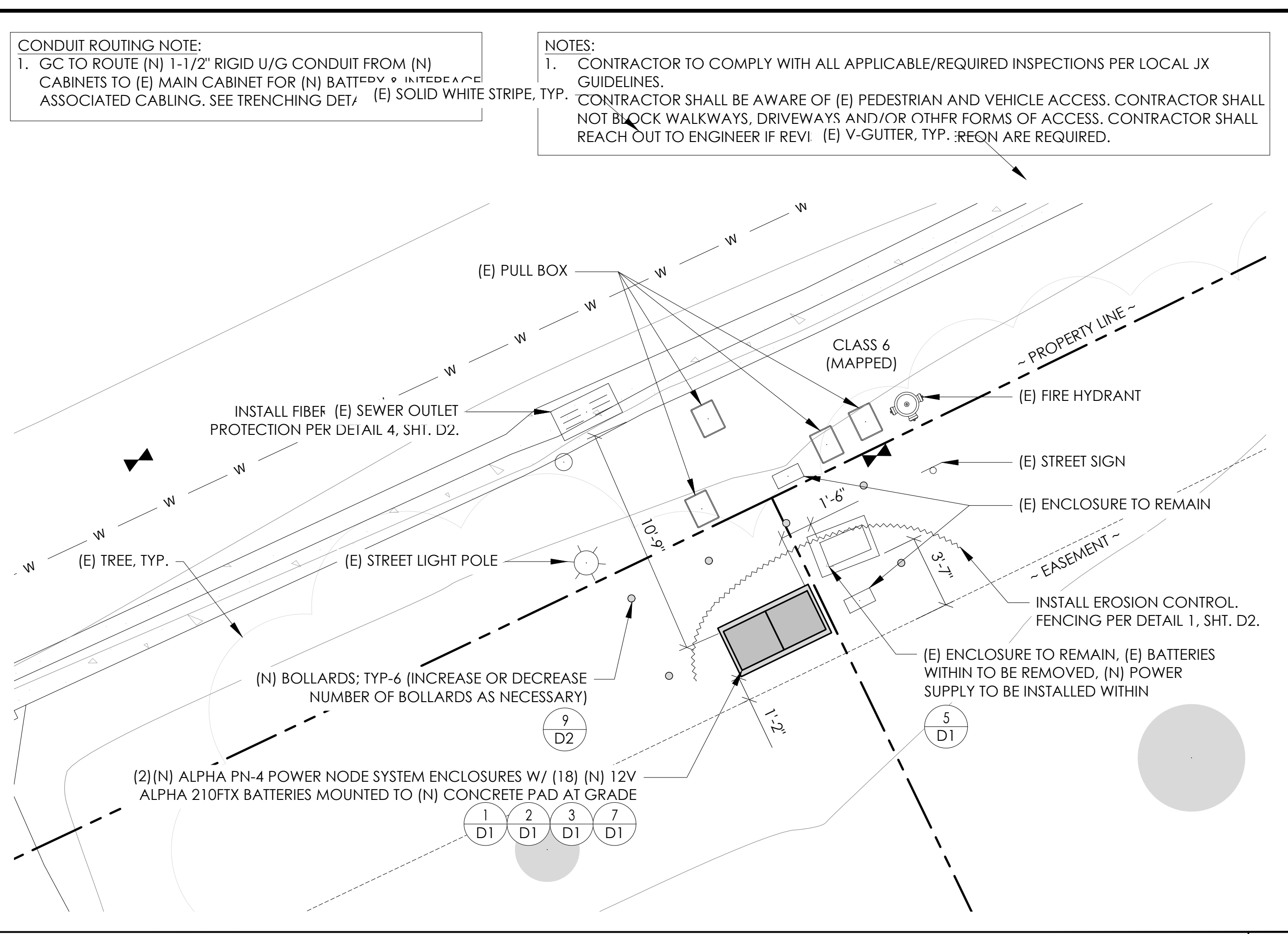
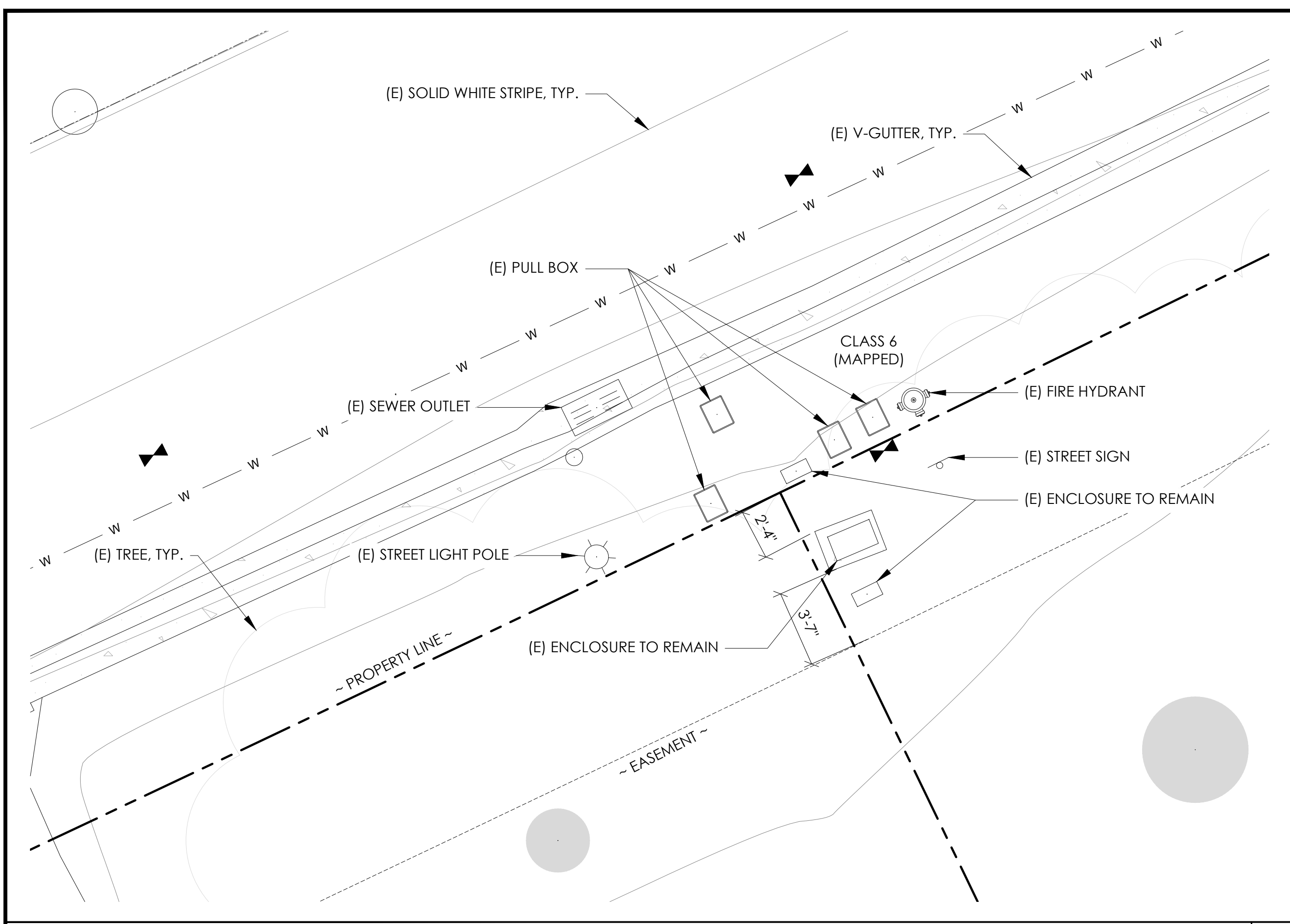


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069692

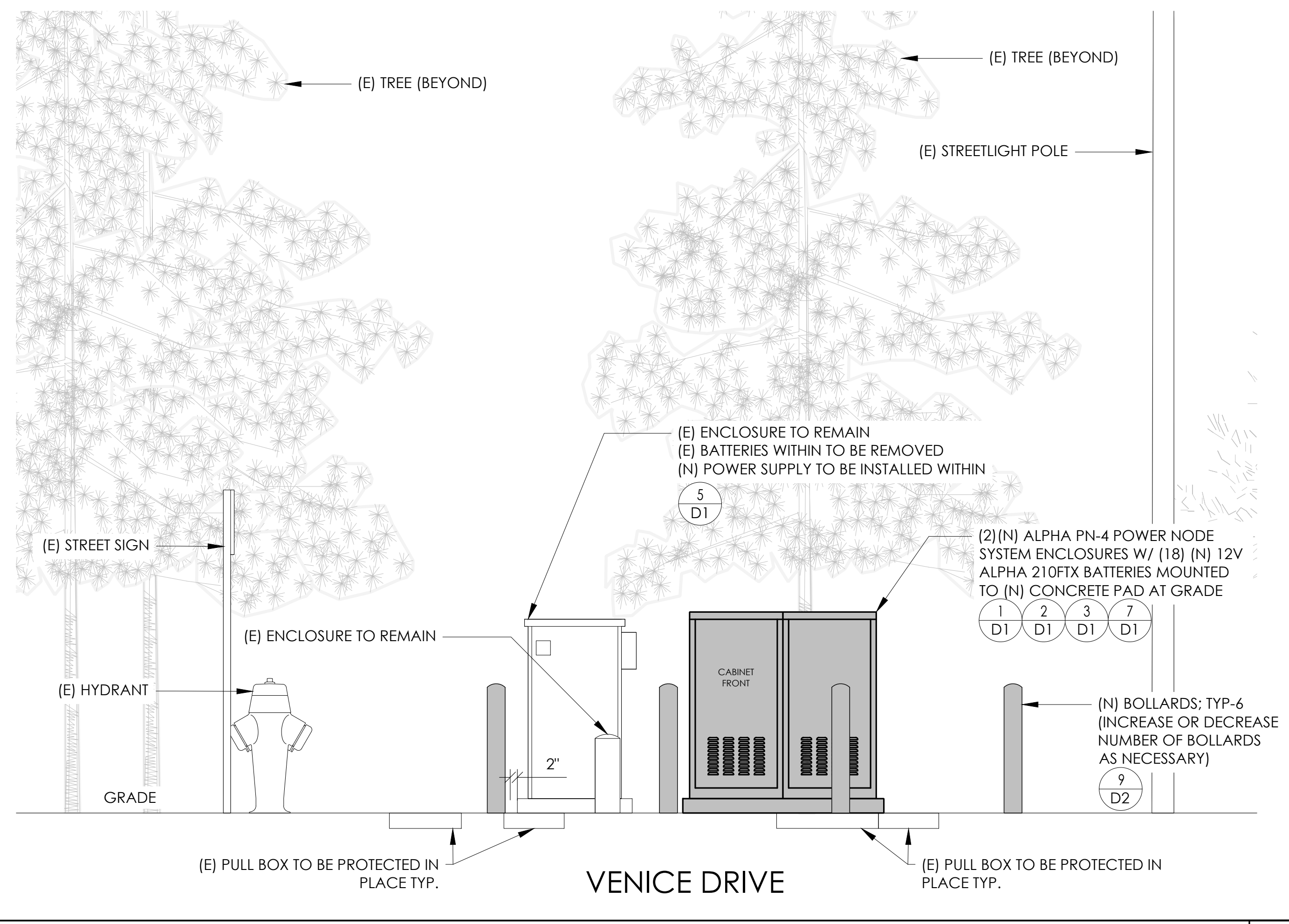
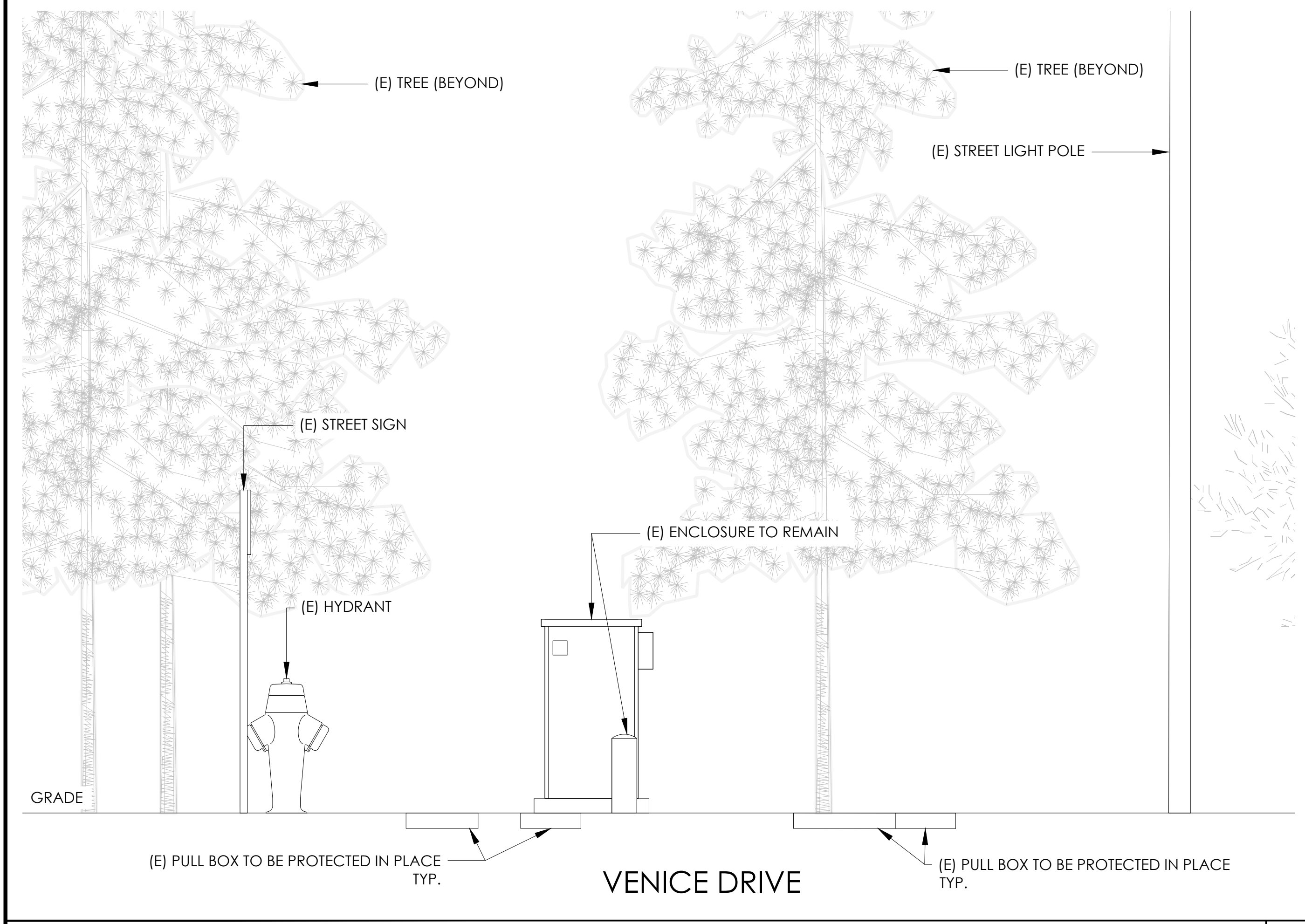
ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/08/21	90% CD	RP
0	12/27/21	100% CD	BN
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	09/22/23	REVISED 100% CD	BH



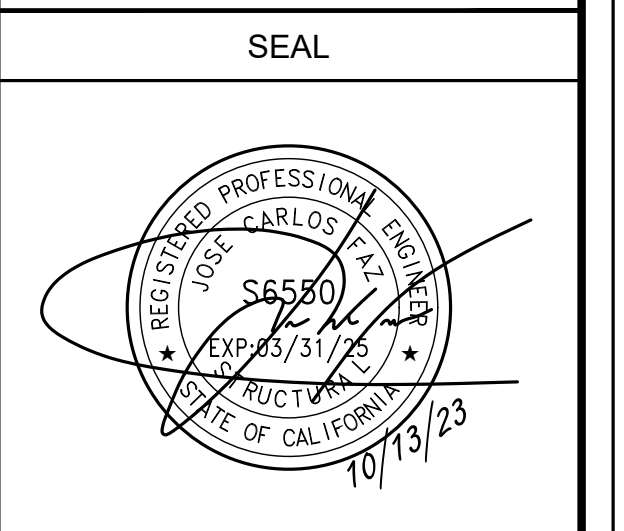
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 3



SITE INFORMATION

SITE ID:
ST124C_A

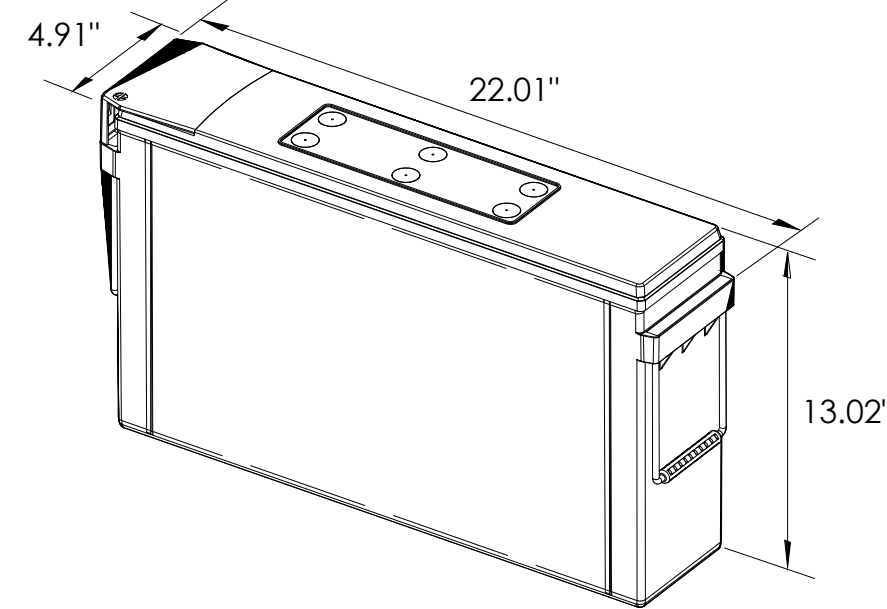
SITE ADDRESS:
2224 VENICE DR,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:
ENLARGED SITE PLANS
AND ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT

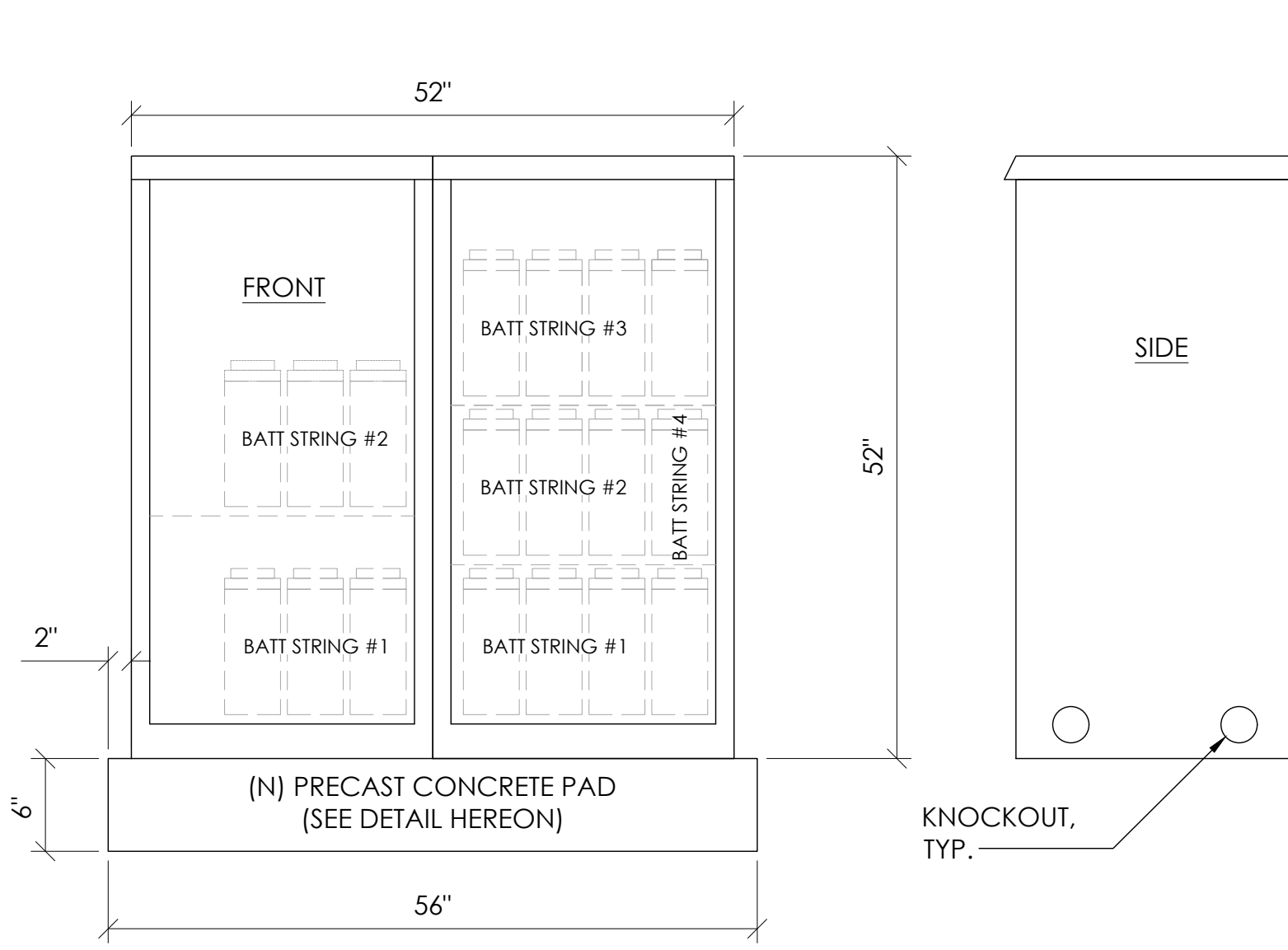


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

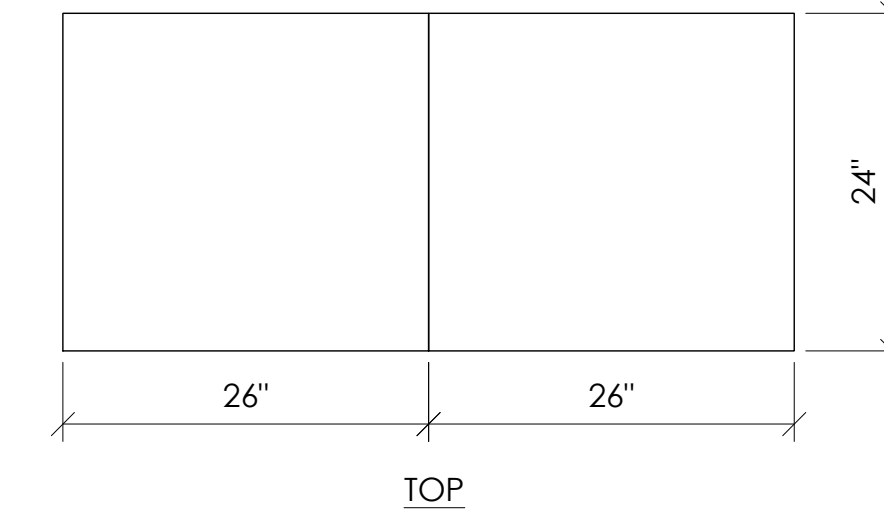
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

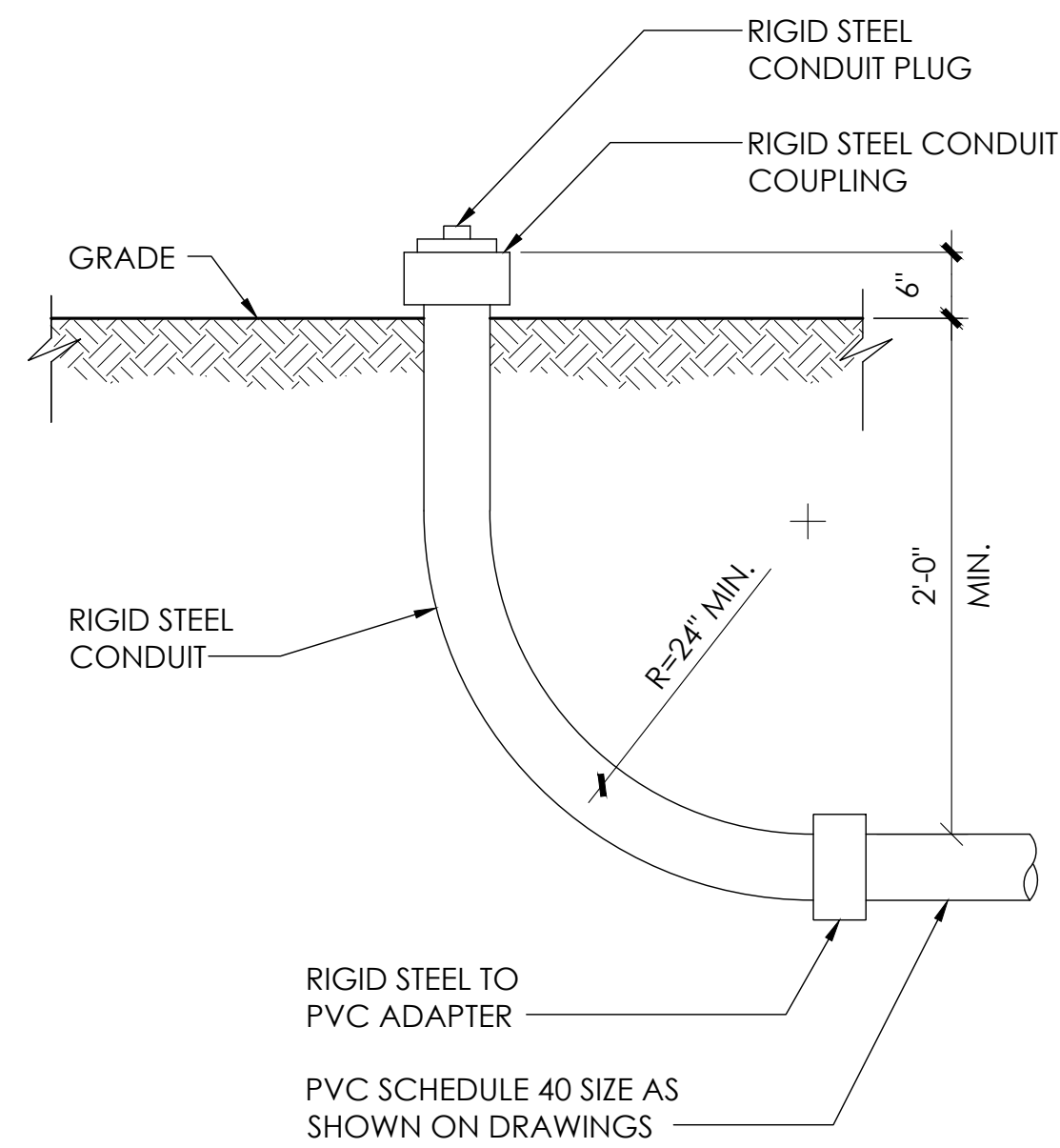


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	
CABINET #1:	(4) BATTERY STRINGS
CABINET #2:	(2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



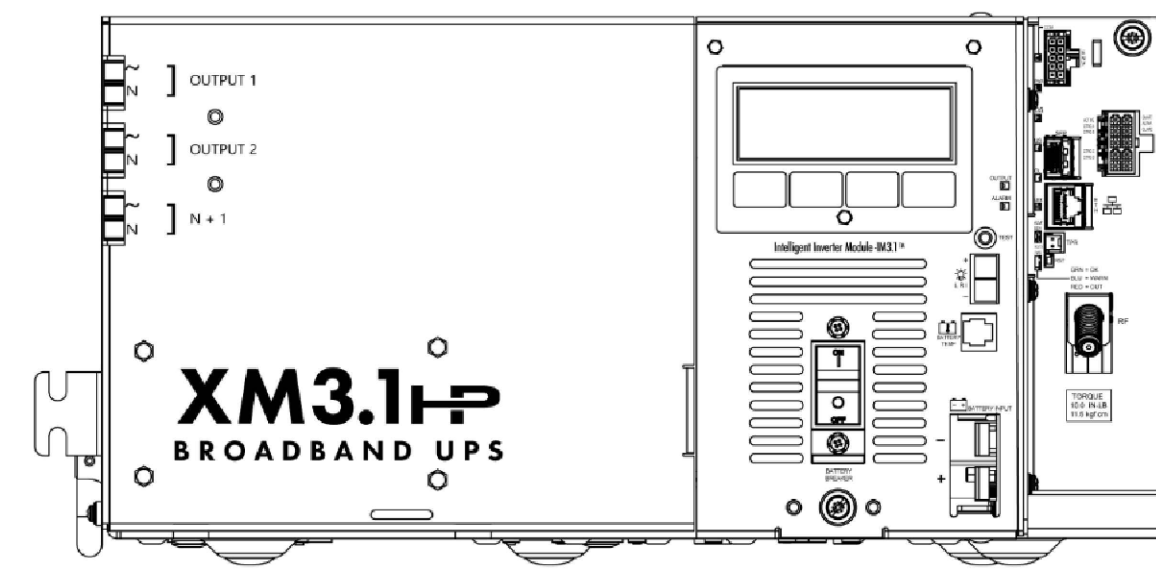
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

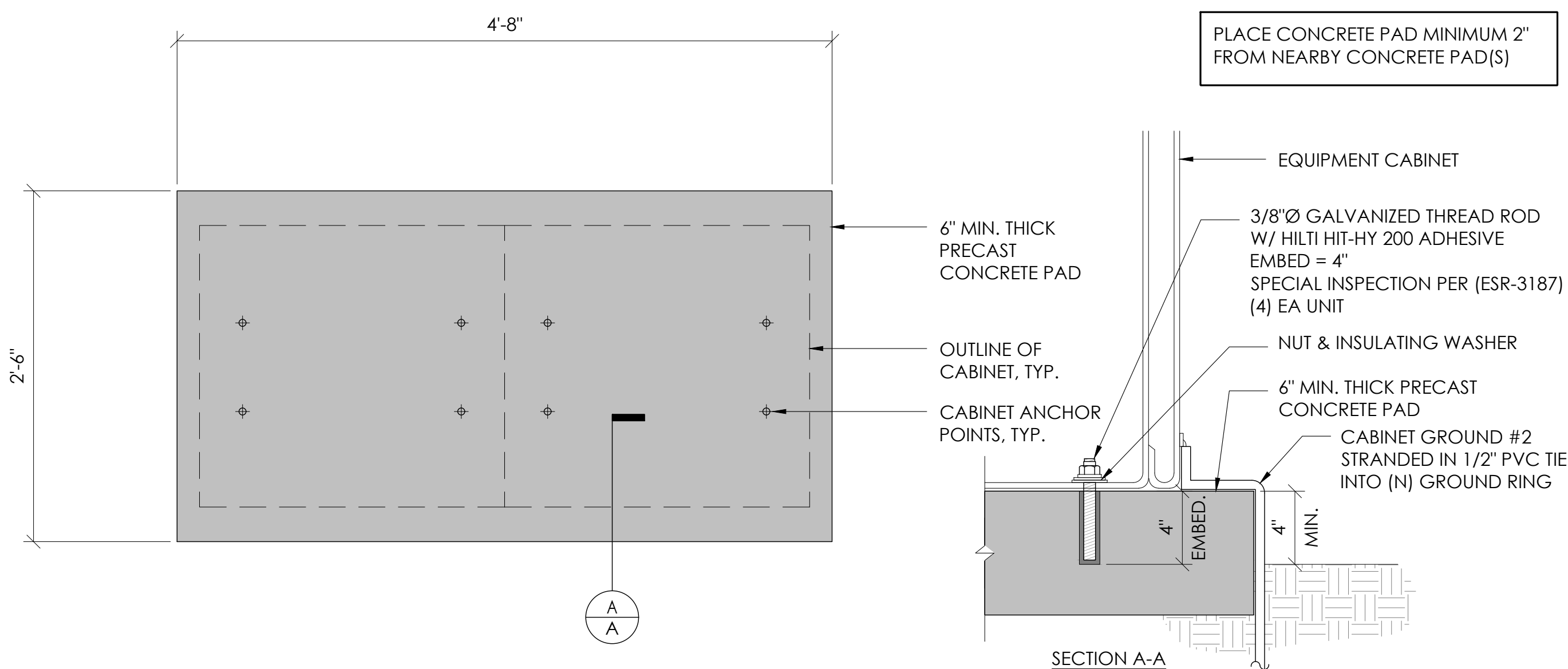
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

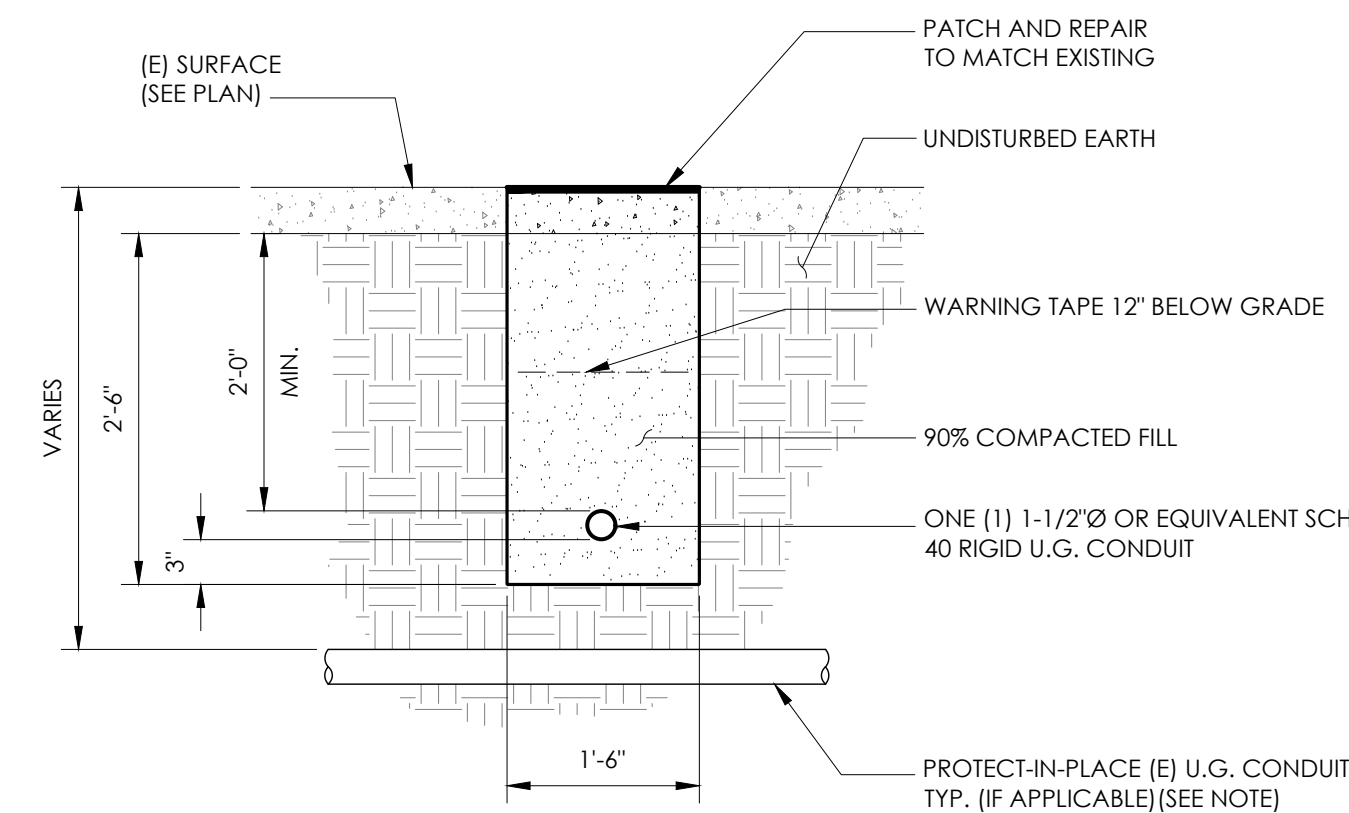


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

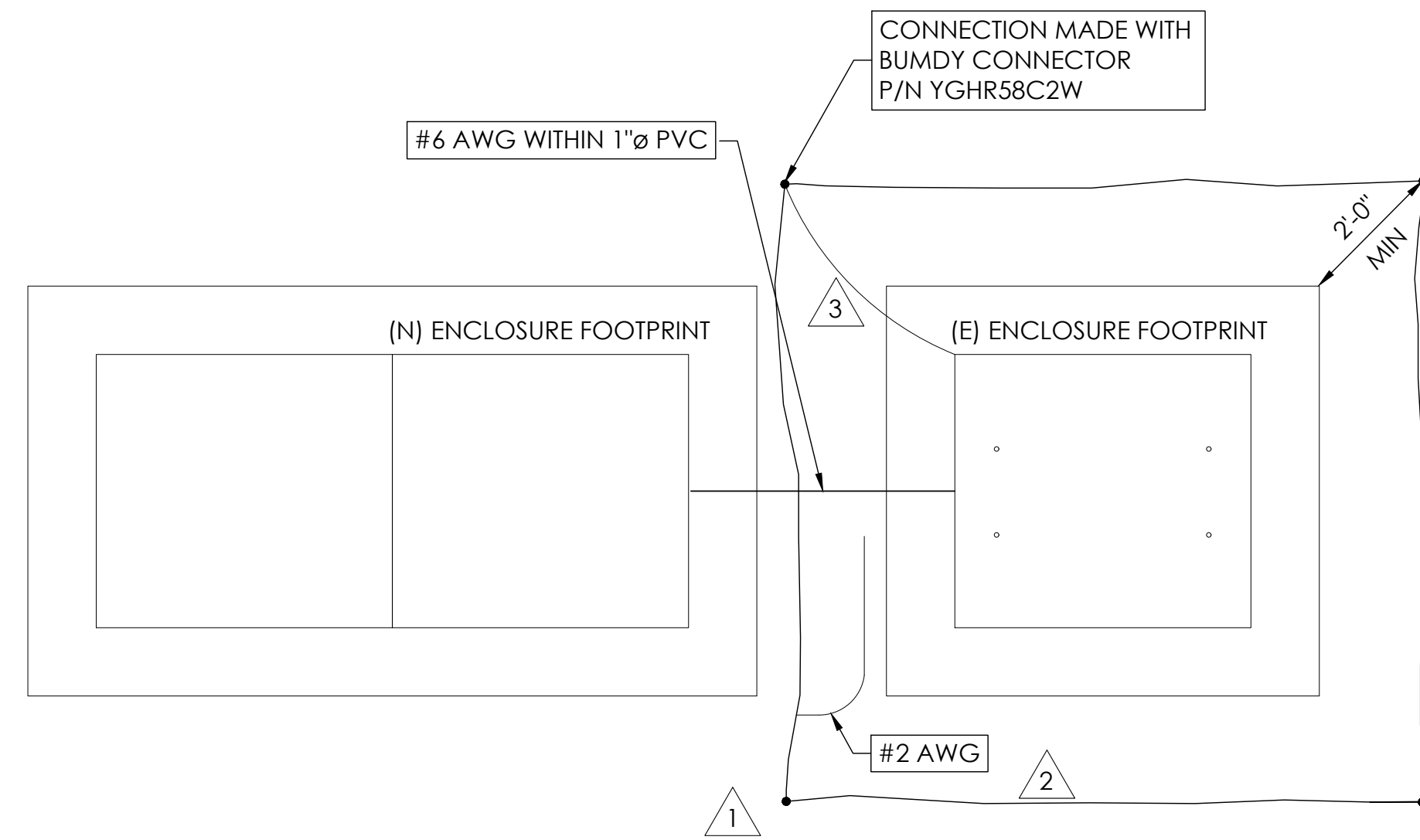
- LIGHTNING PROTECTION (OPTIONAL)**
- ⚠ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
 - ⚠ (E) #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
 - ⚠ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
 - ⚠ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)

- ⚠ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND, INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

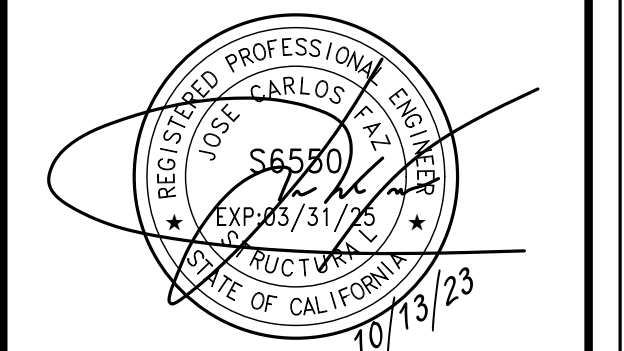


23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069692

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
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SEAL



SITE INFORMATION

SITE ID:
ST124C_A

SITE ADDRESS:
2224 VENICE DR,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.

NOTES:
1. FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
2. GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
3. INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
4. SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
5. IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
6. REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

1 EROSION CONTROL FENCING
N.T.S.

NONWOVEN FILTER FABRIC
PROPEX 455J 8oz. OR FIBERTEX
GRADE 300, OR APPROVED EQUAL

DRAPED FILTER FABRIC OVER
FENCE AND FASTEN WITH WIRES

AFFIX WELDED WIRE
FABRIC TO POSTS

PLACE FENCE POSTS
ON CONTOUR AT 3' O.C.

BURY TOE OF FILTER FABRIC
IN TRENCH ON UP SLOPE SIDE

FLOW

NOTE: FILTER FABRIC FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO MITIGATE THE EFFECTS OF EROSION, AND REMOVED UPON COMPLETION OF THE PROJECT.

11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

2 WEIGHTED COIR LOGS
N.T.S.

12" FIBER OR
COIR ROLL
(WEIGHTED)

FINISHED GRADE

PAVEMENT

WEIGHT

NOTE: ALIGN FIBER ROLL ALONG CONTOURS

12 NOT USED
N.T.S.

9 BOLLARD DETAIL
N.T.S.

(N) BOLLARDS; TYP-6 (INCREASE OR DECREASE NUMBER OF BOLLARDS AS NECESSARY)

3 VEGETATION PROTECTION FENCING
N.T.S.

3/4" TROWELED CROWN

4" STEEL PIPE BOLLARD
FILLED WITH CONC.
(PAINTED HAZARD YELLOW)

REMOVE (E) PAVING
AND PATCH AS RQRD.

(E) PAVING OR
FINISH GRADE

CONCRETE BASE,
FLUSH WITH (E) FIN.
SURFACE/GRADE

UNDISTURBED
NATIVE SOIL

MIN. 3'-0"

MIN. 3'-0"

MIN. 3'-0"

MIN. 6"

MIN. 15"

3 VEGETATION PROTECTION FENCING
N.T.S.

CONSTRUCTION FENCE

ORANGE PLASTIC OR
WIRE MESH FENCING

48" TALL METAL
FENCE POST

MIN.

12' MAX.

STRUCTURE

DRIVEWAY

PUBLIC ROAD

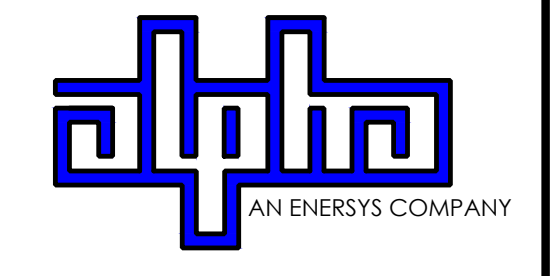
3 VEGETATION PROTECTION FENCING
N.T.S.

SOIL AND TREE PROTECTION

1. PLACING ANY MATERIAL—TEMPORARY OR OTHERWISE—WITHIN PROTECTIVE FENCING OR ENTERING PROTECTION AREAS MAY RESULT IN UP TO A \$5,000 PENALTY PER VIOLATION PER DAY. (SECT 65.2 I AN J)
2. THESE CONDITIONS ARE PART OF ALL PROJECTS AS CONDITIONS OF ATTACHMENTS R, S, AND Q.
3. METAL OR WIRE MESH FENCING MAY BE REQUIRED.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



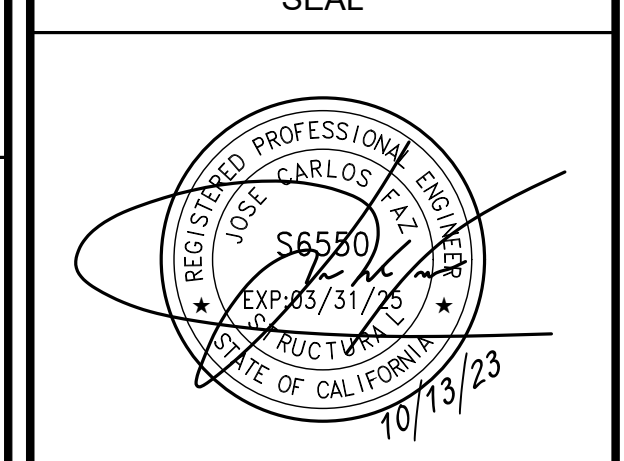
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069692

ISSUE STATUS

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SEAL



SITE INFORMATION

**SITE ID:
ST124C_A**

SITE ADDRESS:
2224 VENICE DR,
SOUTH LAKE TAHOE,
CA 96150

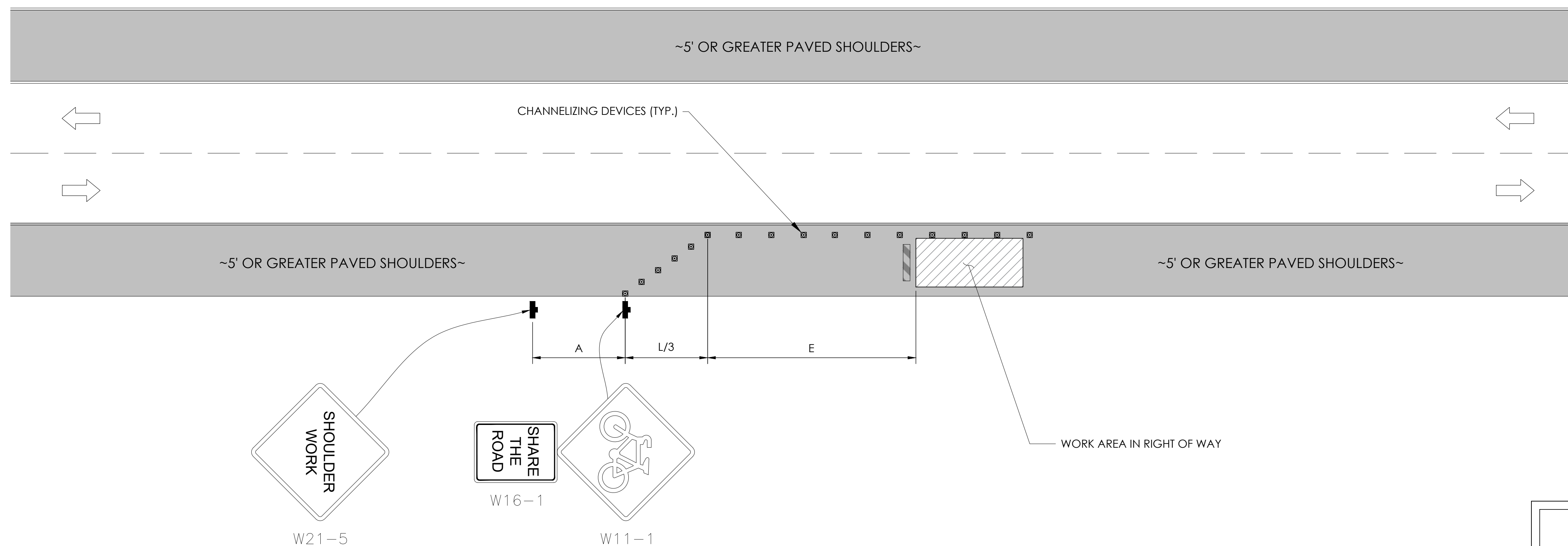
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



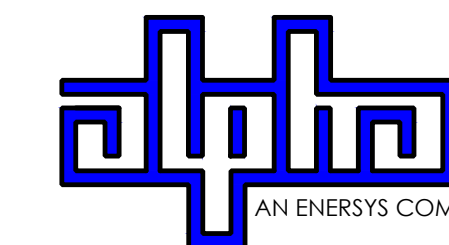
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



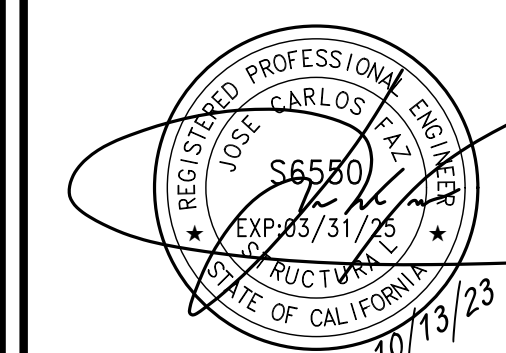
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069692

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	07/05/22	MODEL REDESIGN	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/25/23	100% CD REV PER PPC#1	JG
4	09/22/23	REVISED 100% CD	BH

SEAL



SITE INFORMATION

**SITE ID:
ST124C_A**

SITE ADDRESS:
2224 VENICE DR,
SOUTH LAKE TAHOE,
CA 96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST150A_

SITE ADDRESS: 2247 TEXAS AVE, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

Table with 2 columns: Field Name and Value. Fields include SITE ADDRESS, LATITUDE/LONGITUDE, JURISDICTION, POWER PROVIDER, STRUCTURE TYPE, OUTPUT VOLTAGE SPEC., INPUT VOLTAGE SPEC., AMP DRAW, HYDRAULIC RELATED AREA, COVERAGE, and CUT/FILL VOLUME.

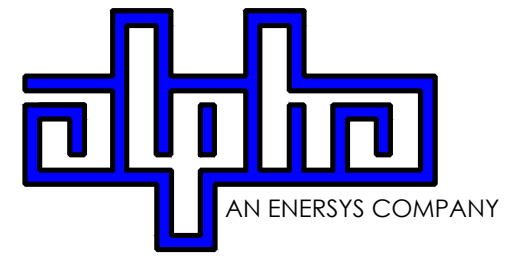
2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

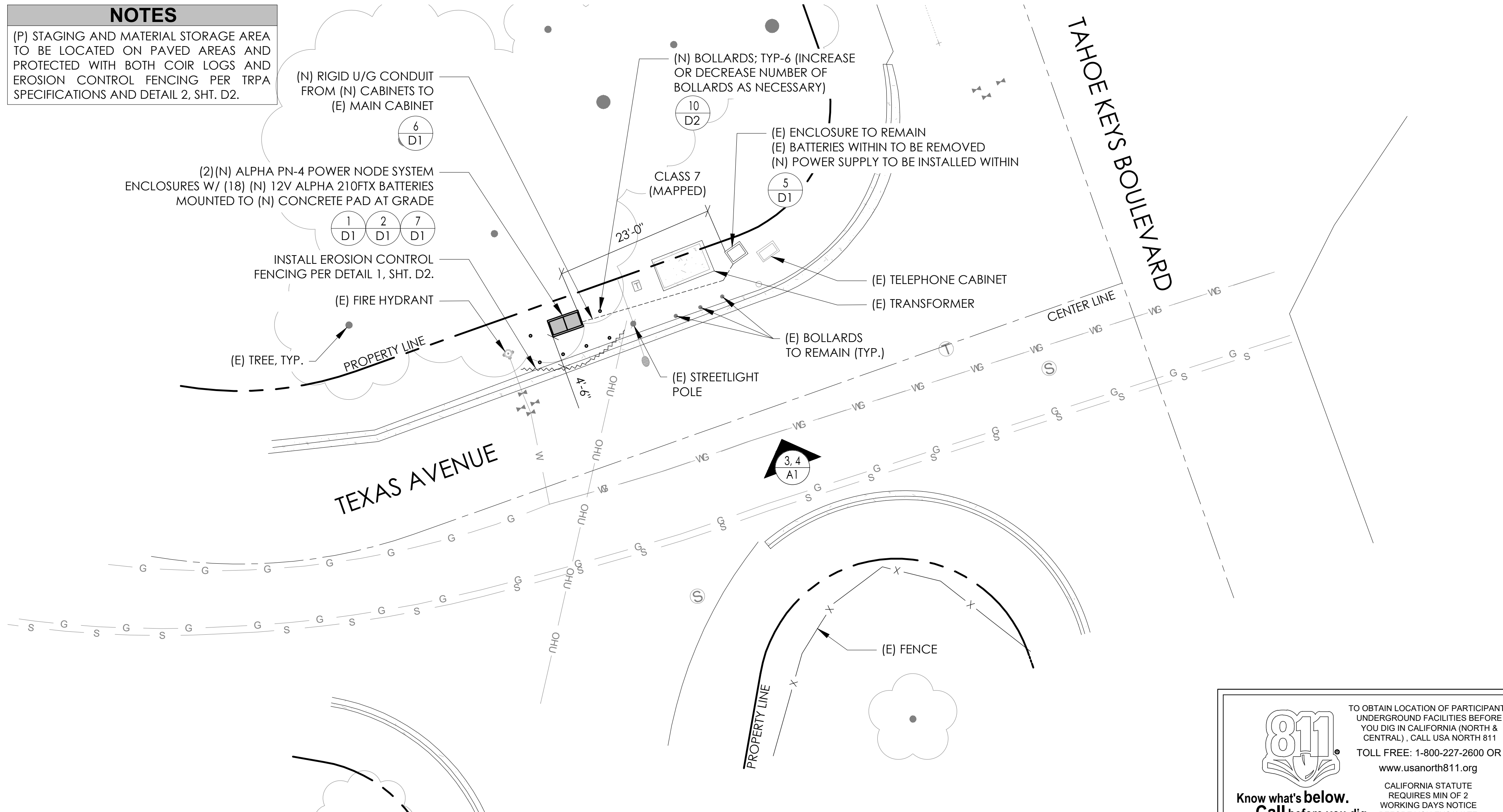
J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069704

ISSUE STATUS

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Shows revision history for the drawing.

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



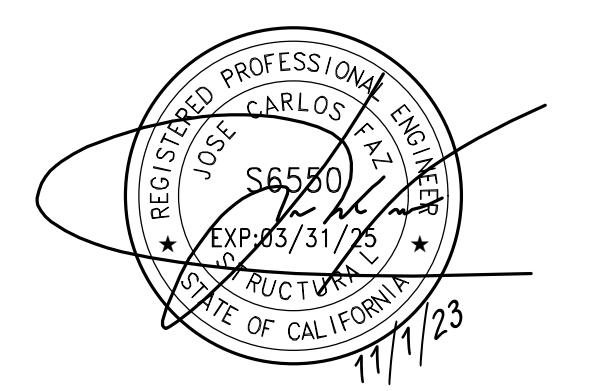
DRAWING INDEX

Table with 2 columns: SHEET and DESCRIPTION. Lists sheets T1 (TITLE SHEET AND SITE PLAN), LS-1 (SITE SURVEY), A1 (ELEVATIONS), D1 (DETAILS), D2 (DETAILS), and TC1 (TRAFFIC CONTROL).

PROJECT TEAM

Table listing project team members: OWNER (CHARTER COMMUNICATIONS), ENGINEER/ARCHITECT (J5 INFRASTRUCTURE PARTNERS), and APPLICANT (ALPHA TECHNOLOGIES, INC.).

SEAL



CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020. PART 1 - CALIFORNIA ADMINISTRATIVE CODE PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE PART 6 - CALIFORNIA ENERGY CODE PART 7 - VACANT PART 8 - CALIFORNIA HISTORICAL BUILDING CODE PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN) PART 12 - CALIFORNIA REFERENCED STANDARDS CODE 2. ANSITIA-222 (REV H) 3. 2018 NFPA 101, LIFE SAFETY CODE 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36) CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SITE INFORMATION

SITE ID: ST150A_

SITE ADDRESS: 2247 TEXAS AVE, SOUTH LAKE TAHOE, CA 96150

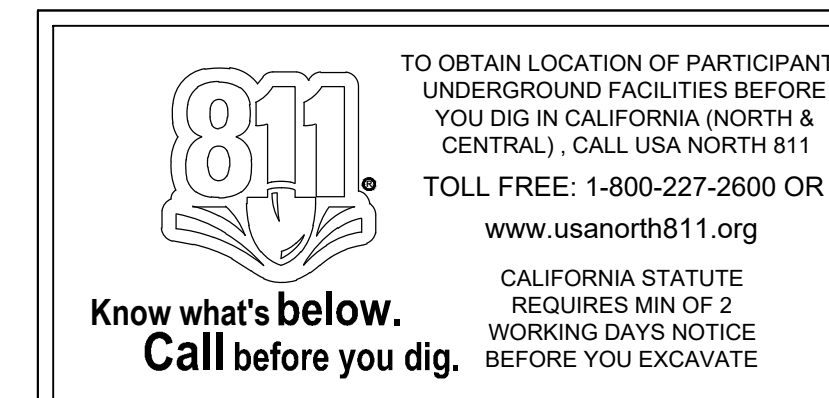
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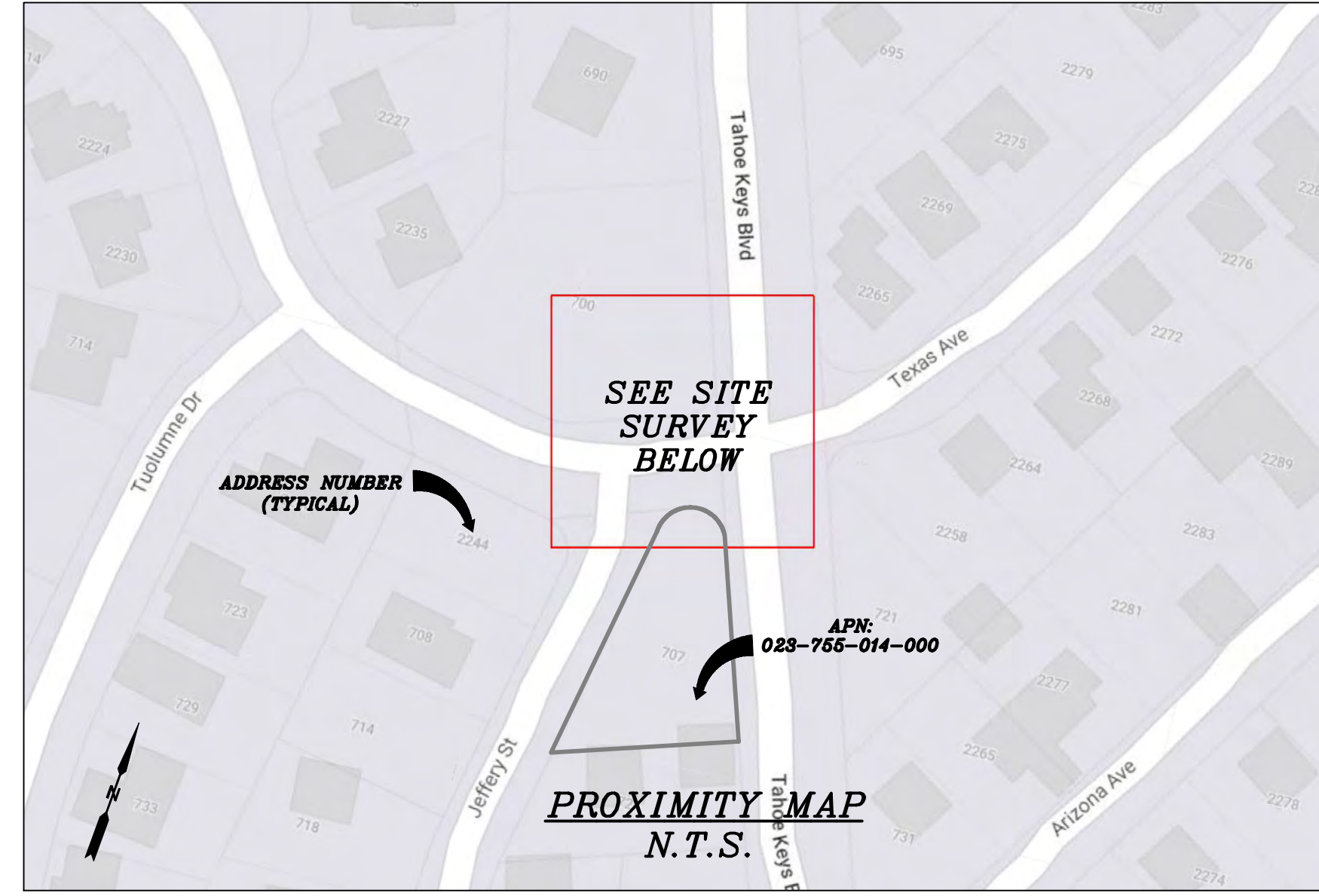
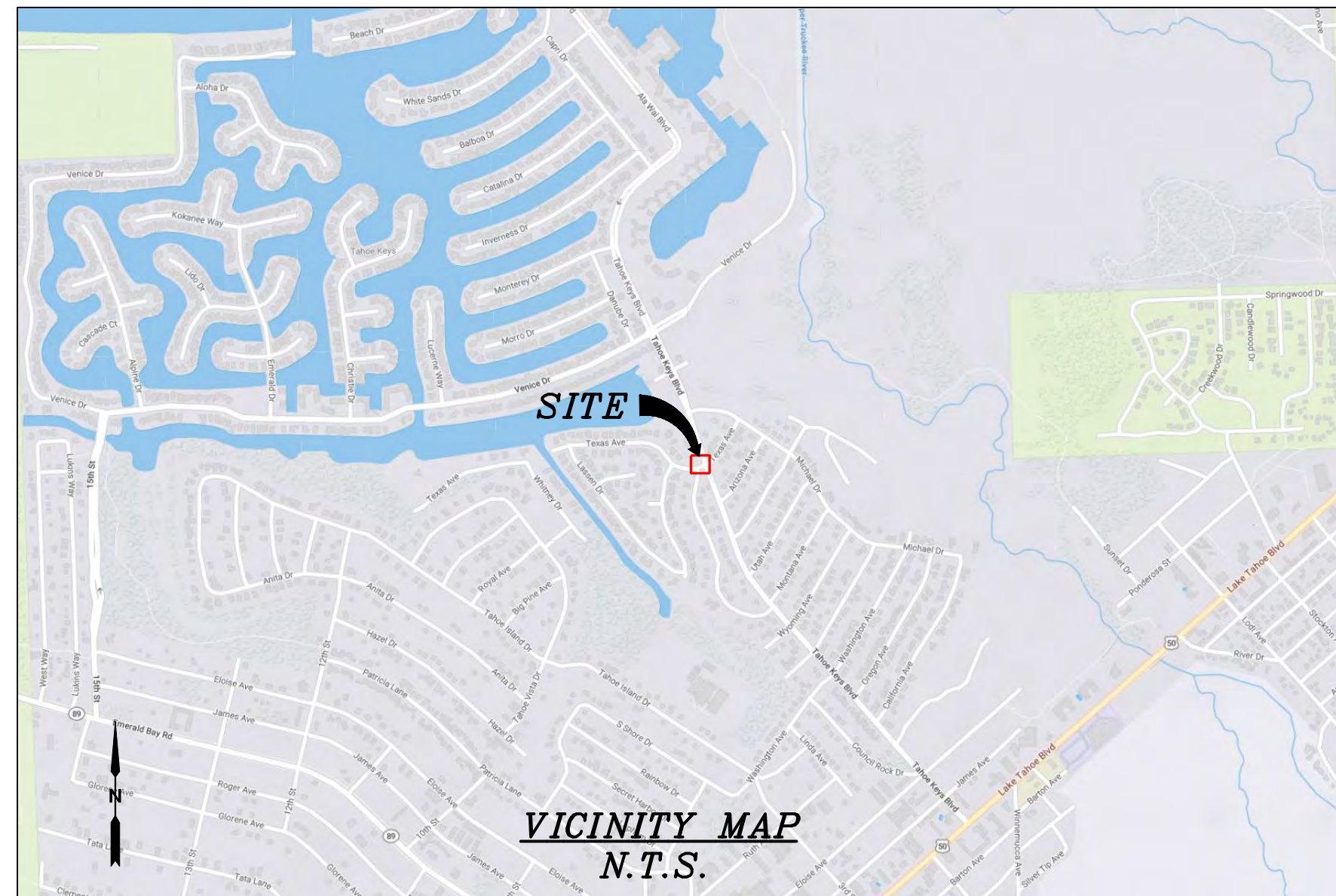
TITLE SHEET

T1

SITE PLAN

24"x36" SCALE: 1" = 10'-0" 11"x17" SCALE: 1" = 20'-0" 10' 5' 0' 10'





SURVEY DATE
08/30/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

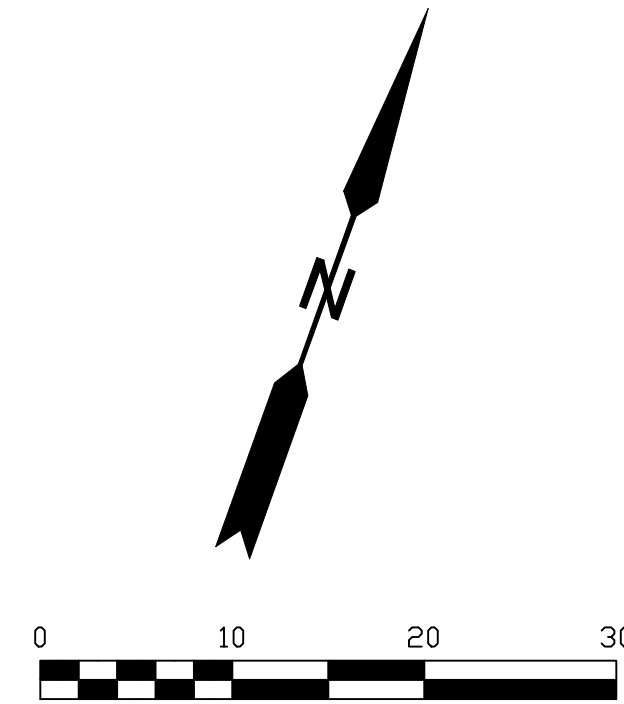
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 18' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE 'CRTN' REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0367F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

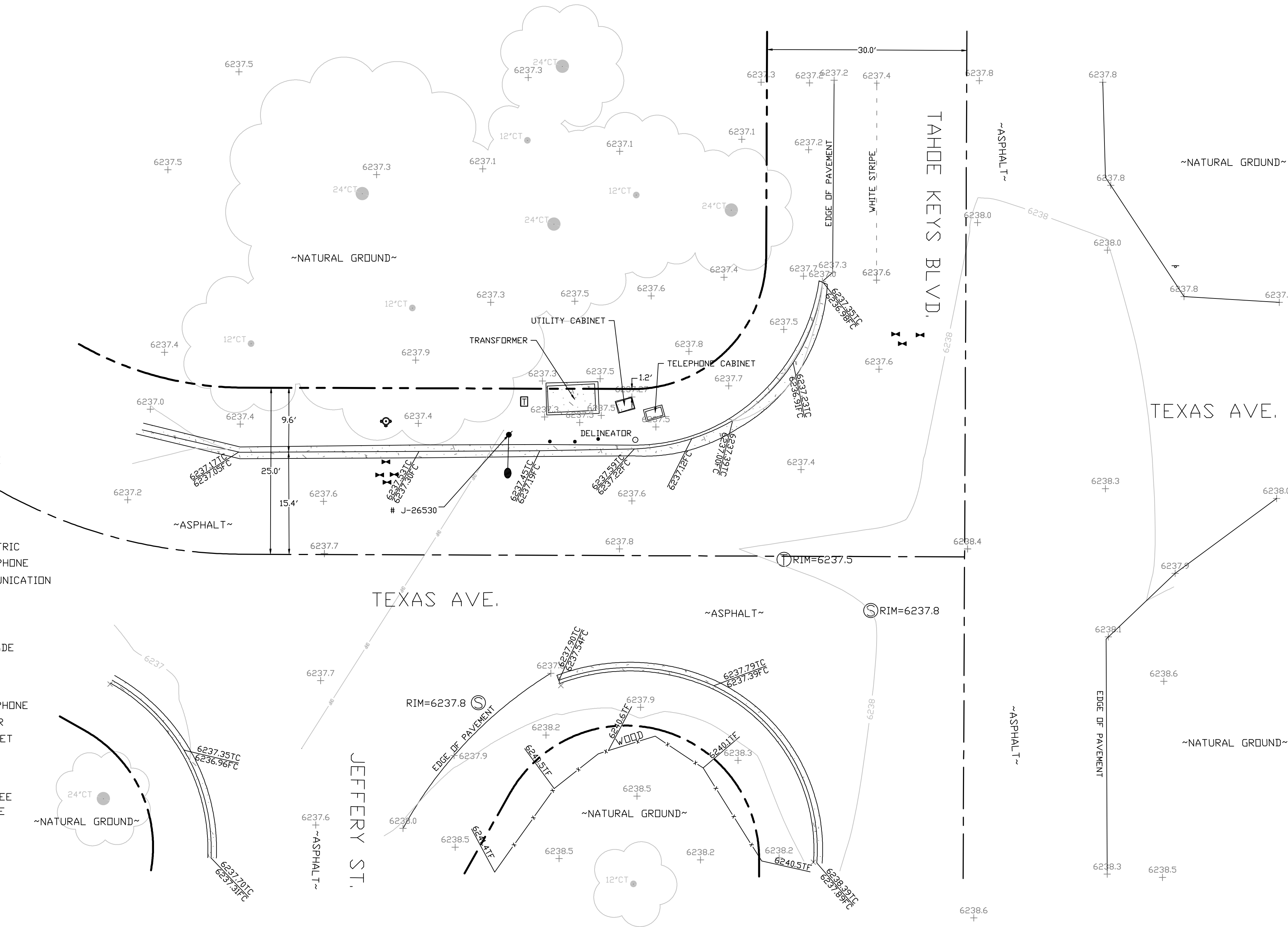
SURVEYOR'S NOTE
THE TITLE REPORT PROVIDED IS FOR THE PARCEL ACROSS THE STREET AND DOES NOT SHOW ANY UTILITY EASEMENTS WHERE THE PLANNED CABINET IS TO BE PLACED. THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK D PAGE(S) 44 OF MAPS AND BOOK B PAGE(S) 71 EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 023-755-014-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7045051 DATED 09/28/2023;



LEGEND
These standard symbols may be found in the drawing.

	CONCRETE
	PROPERTY LINE
	CENTER LINE
	OVERHEAD LINE
	FENCE
	HEADER
	ROOF
	WALL
	ROCK WALL
	PULLBOX ELECTRIC
	PULLBOX TELEPHONE
	PULLBOX COMMUNICATION
	WATER METER
	WATER VALVE
	POWER POLE
	ELEVATION GRADE
	GUY WIRE
	MAILBOX
	SIGN
	MANHOLE TELEPHONE
	MANHOLE SEWER
	RECTANGLE INLET
	FIRE HYDRANT
	SHRUB
	TRUNK
	CT CONIFEROUS TREE
	DT DECIDUOUS TREE
	TC TOP OF CURB
	FC FACE OF CURB
	TF TOP OF FENCE
	TW TOP OF WALL
	CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

Eaton Land Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:

REV	DATE	DESCRIPTION
1	10/27/23	ADD TITLE REPORT
0	10/09/23	SUBMITTAL

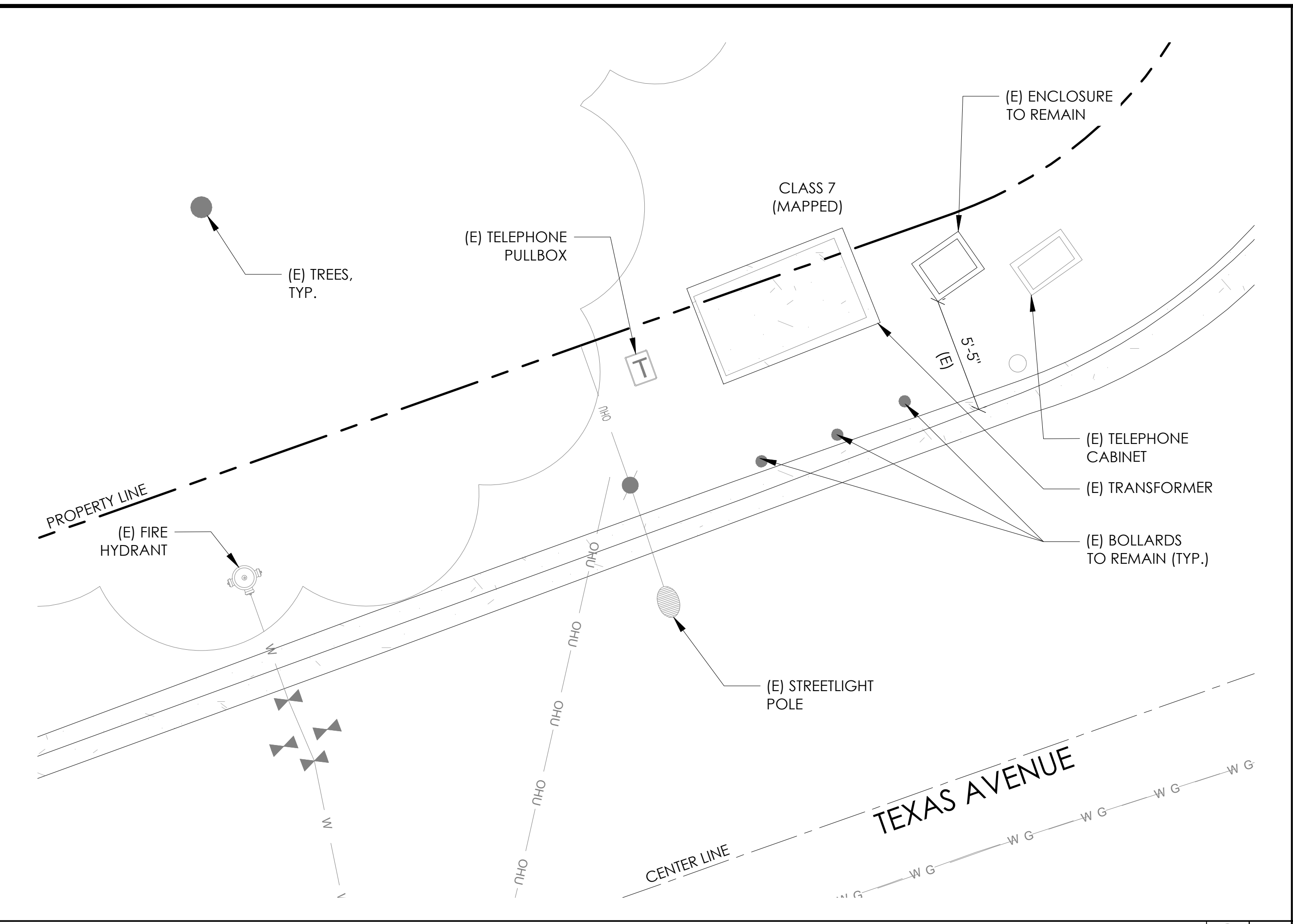


PROJECT INFORMATION:
ST150A
2247 TEXAS AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

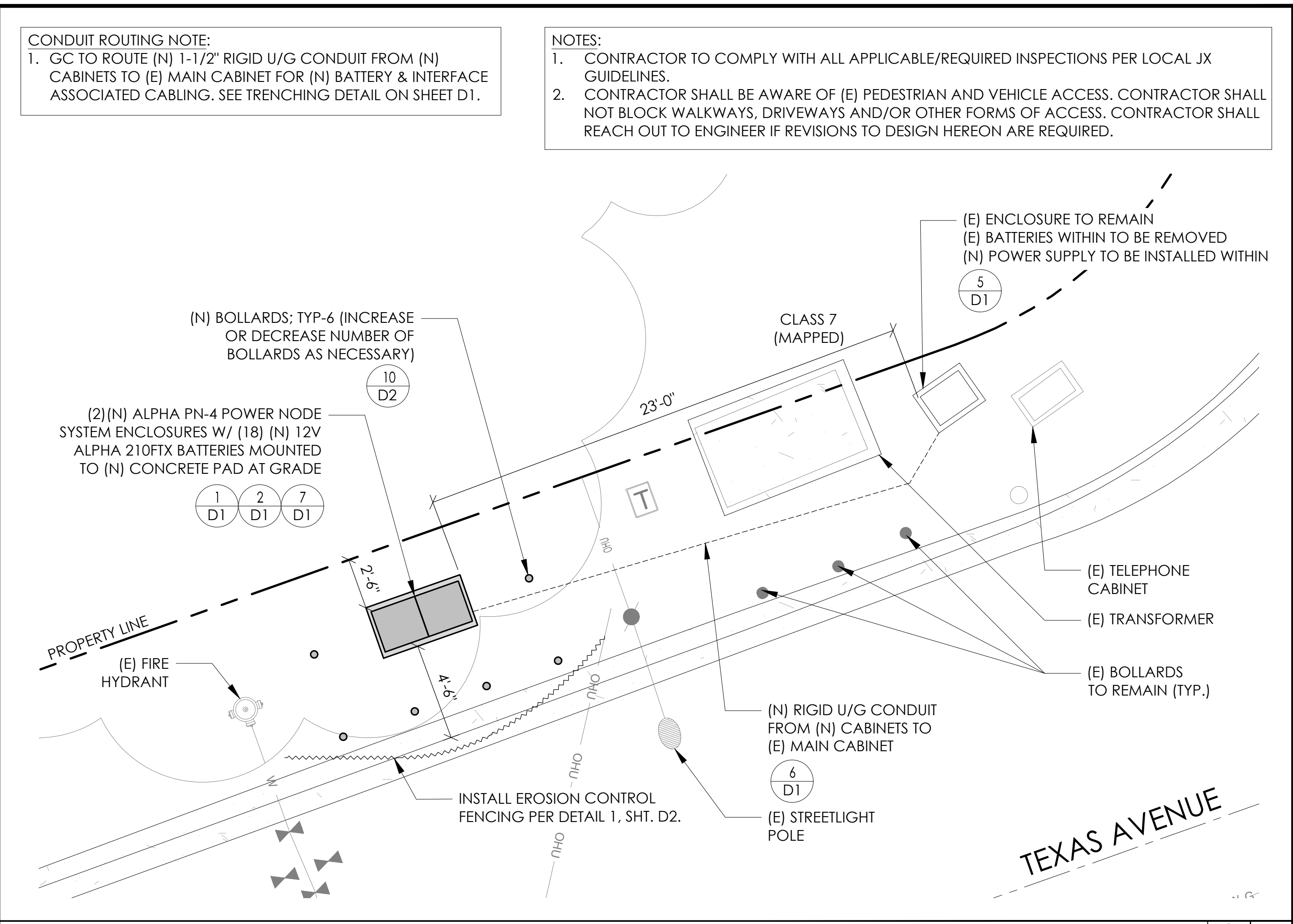
SHEET NUMBER:
LS-1





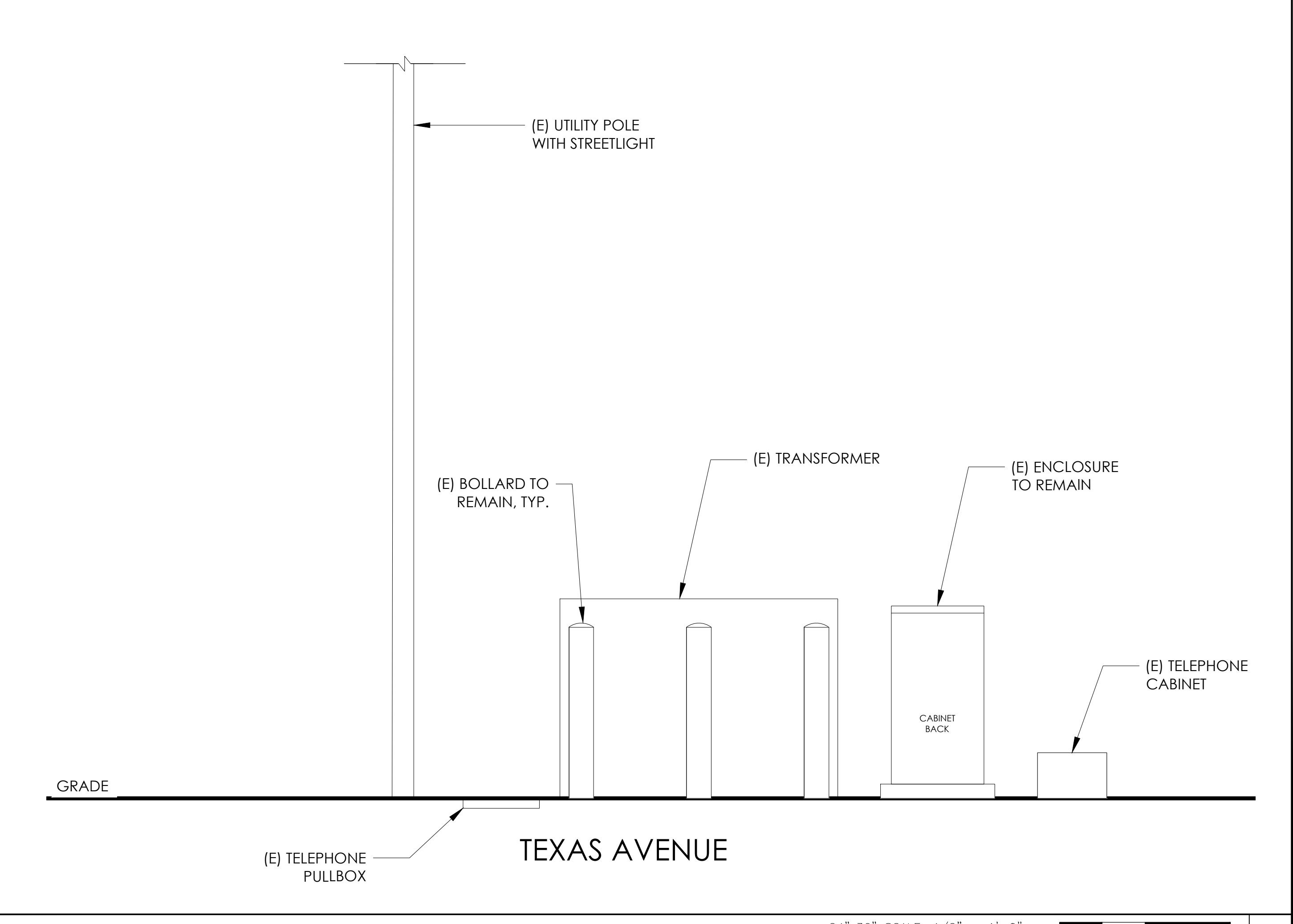
EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4'



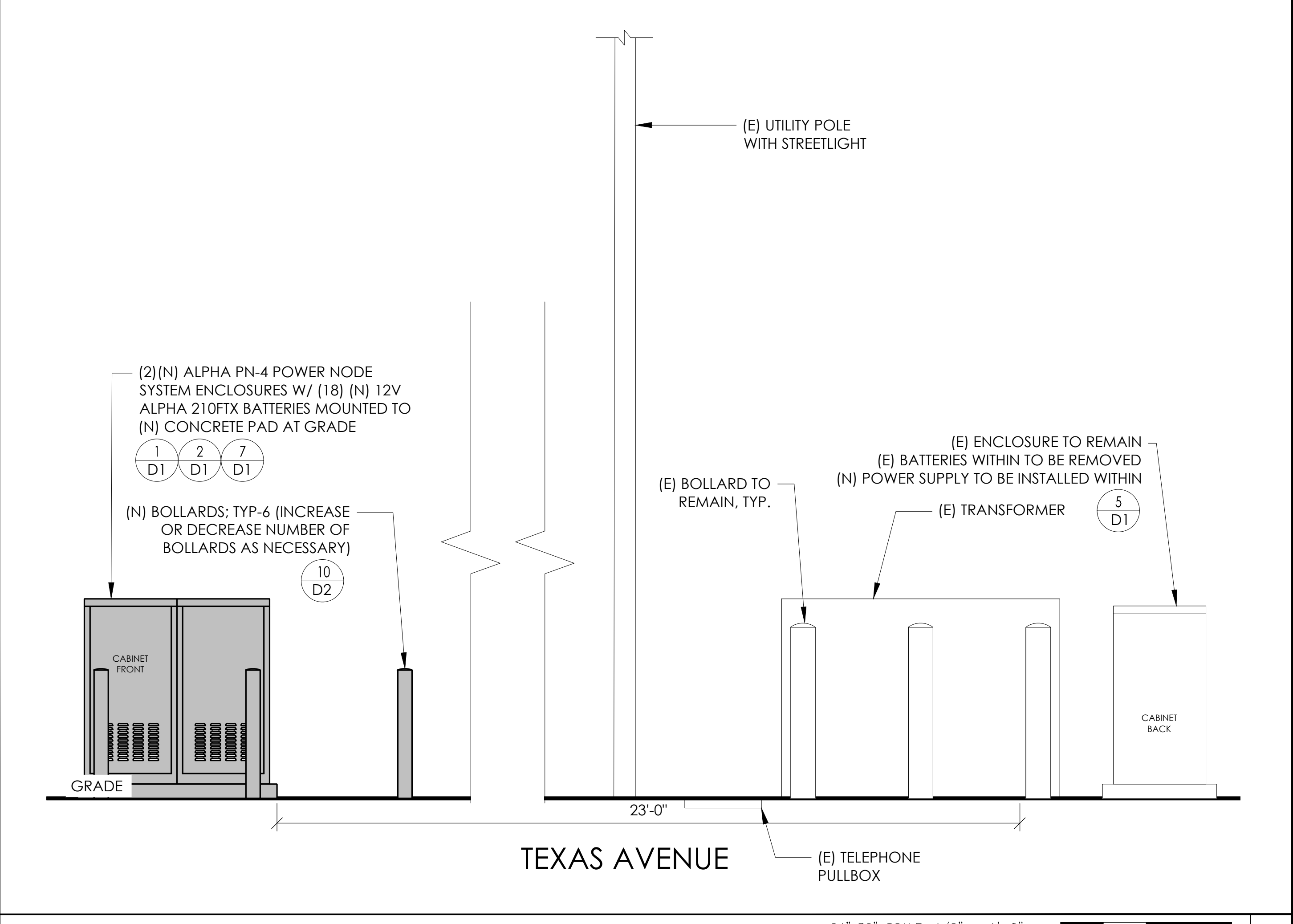
PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4'



EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2'



PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2'

CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069704

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AZ
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	11/01/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL

SITE INFORMATION

SITE ID:
 ST150A_

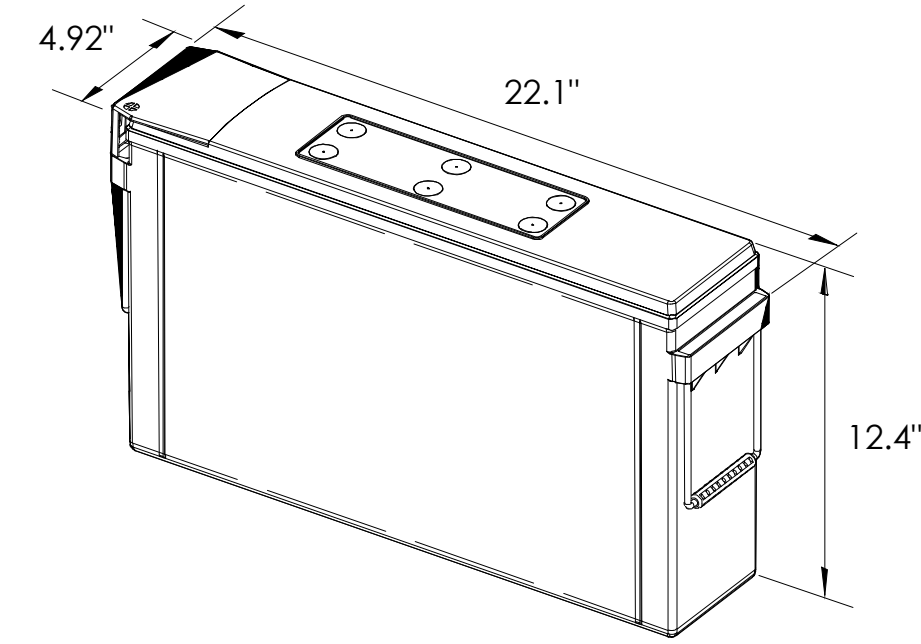
SITE ADDRESS:
 2247 TEXAS AVE,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
ELEVATIONS

A1



ENERSYS
SBS 190F BATTERY UNIT

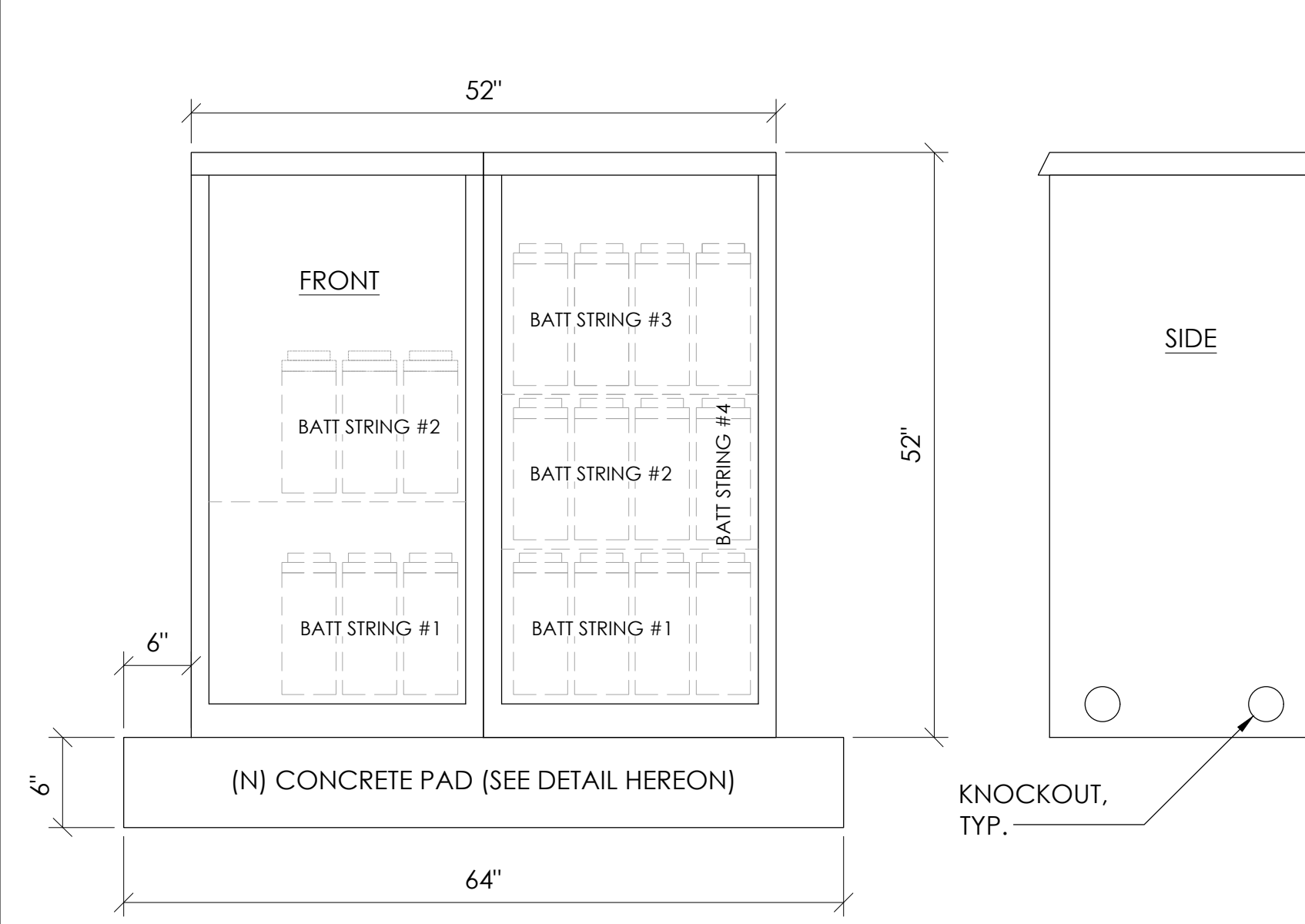


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ENERSYS
MODEL:	SBS 190 FT
HEIGHT:	12.4 IN
WIDTH:	4.92 IN
LENGTH:	22.1 IN
WEIGHT:	132 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE SBS 190F	18	12	190	2.28	41.04			2.34	42.12
TOTAL		18				41.04	70	CFC 2019 SECTION 1206 DOES NOT APPLY		42.12

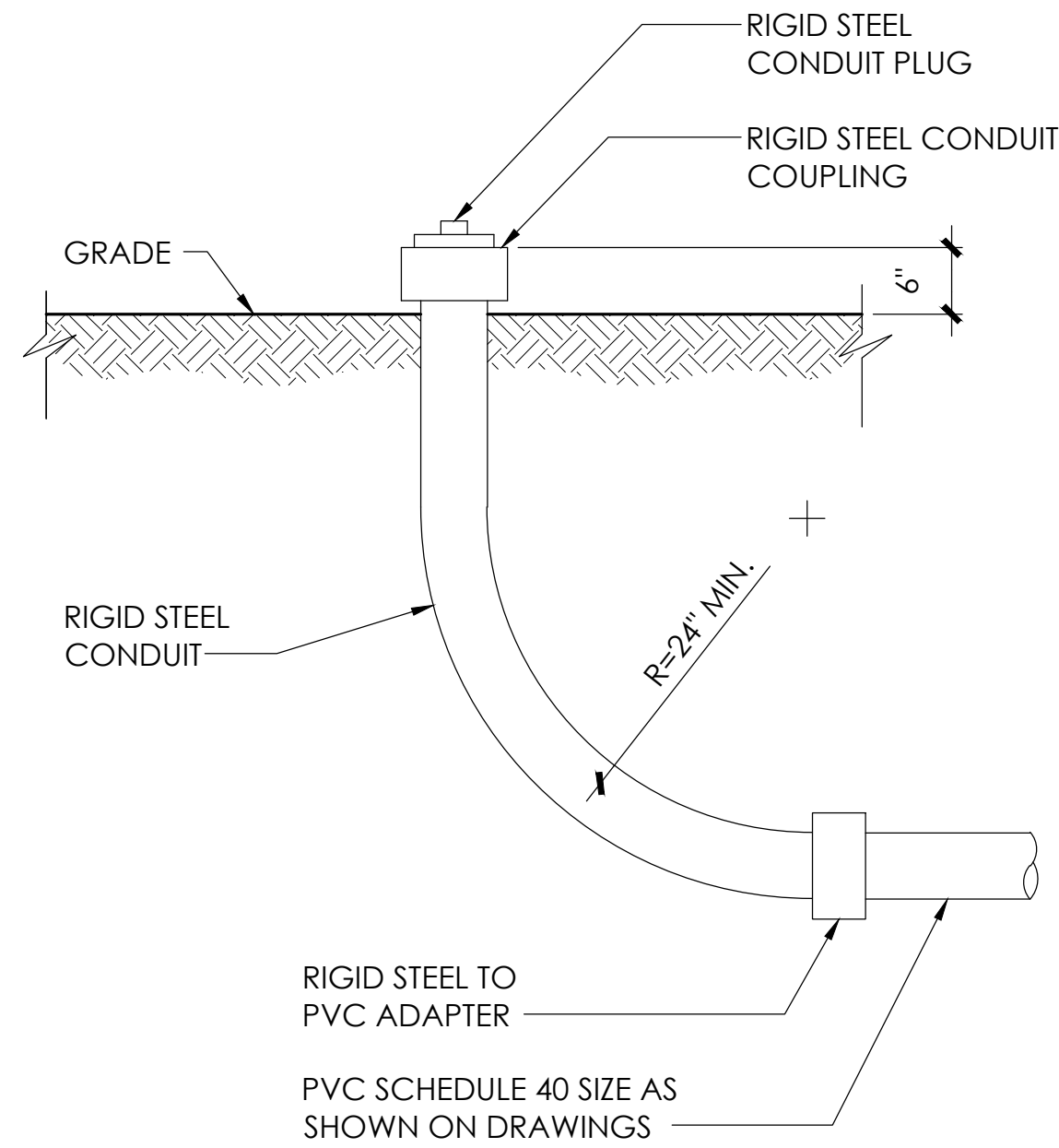
7 BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,736 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION: CABINET #1: (4) BATTERY STRINGS CABINET #2: (2) BATTERY STRINGS	

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

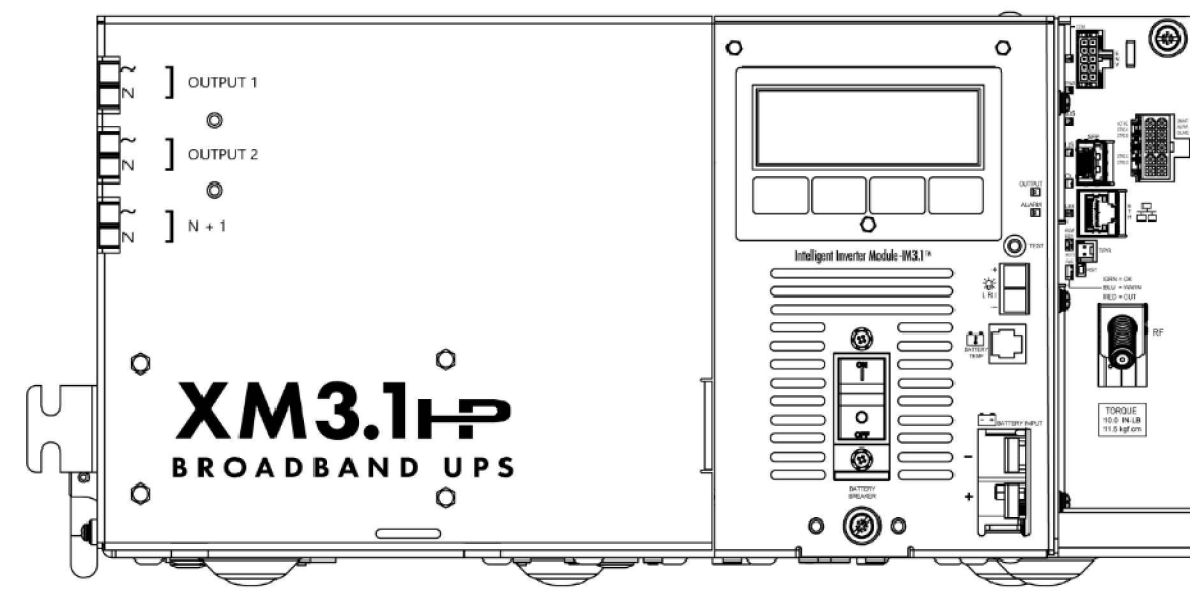


8 STUB-UP DETAIL
N.T.S.

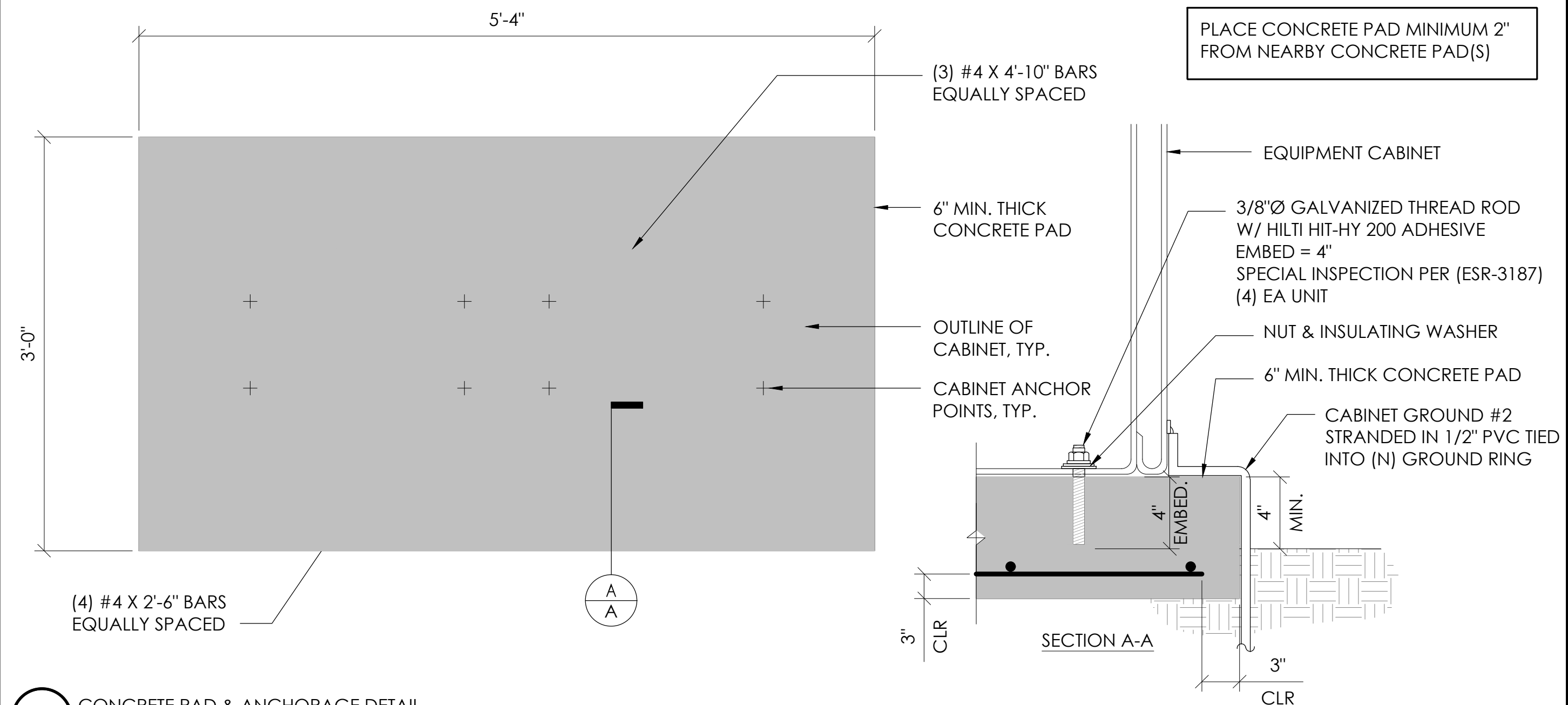
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

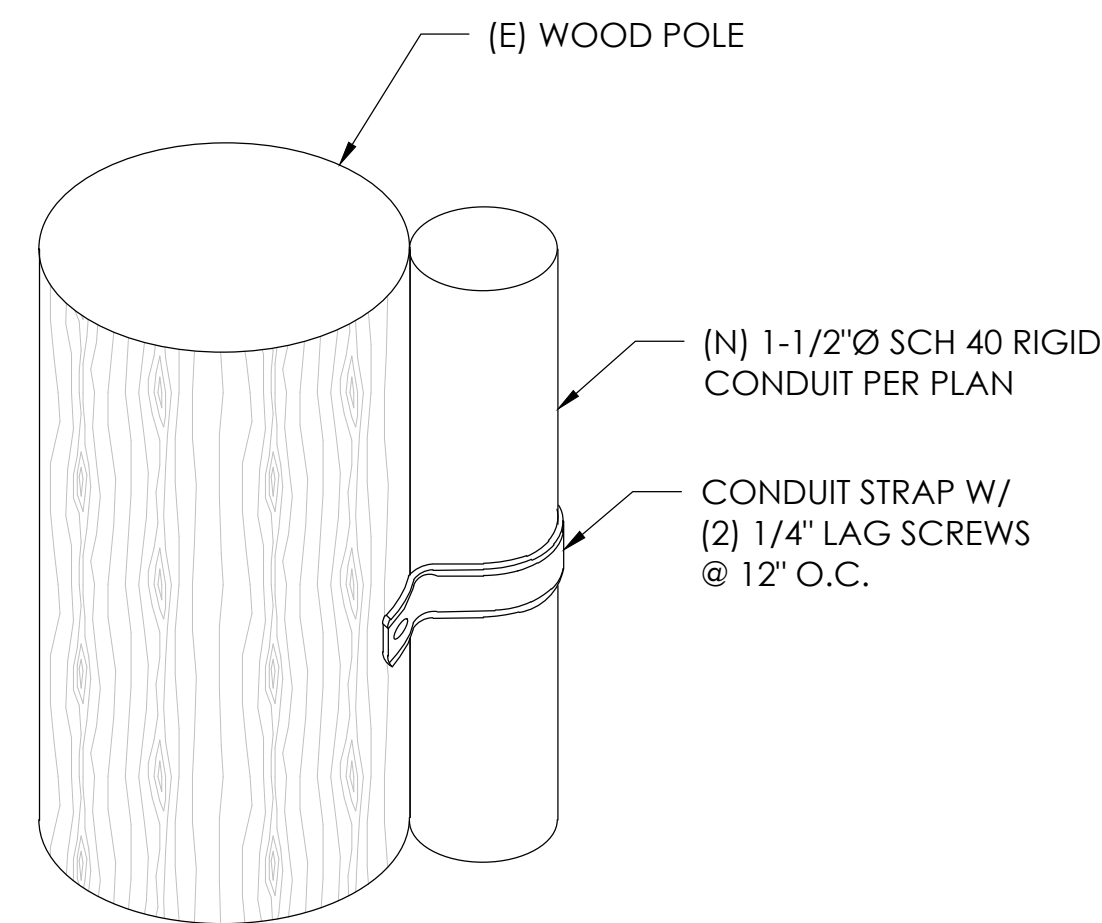


5 POWER SUPPLY DETAIL
N.T.S.



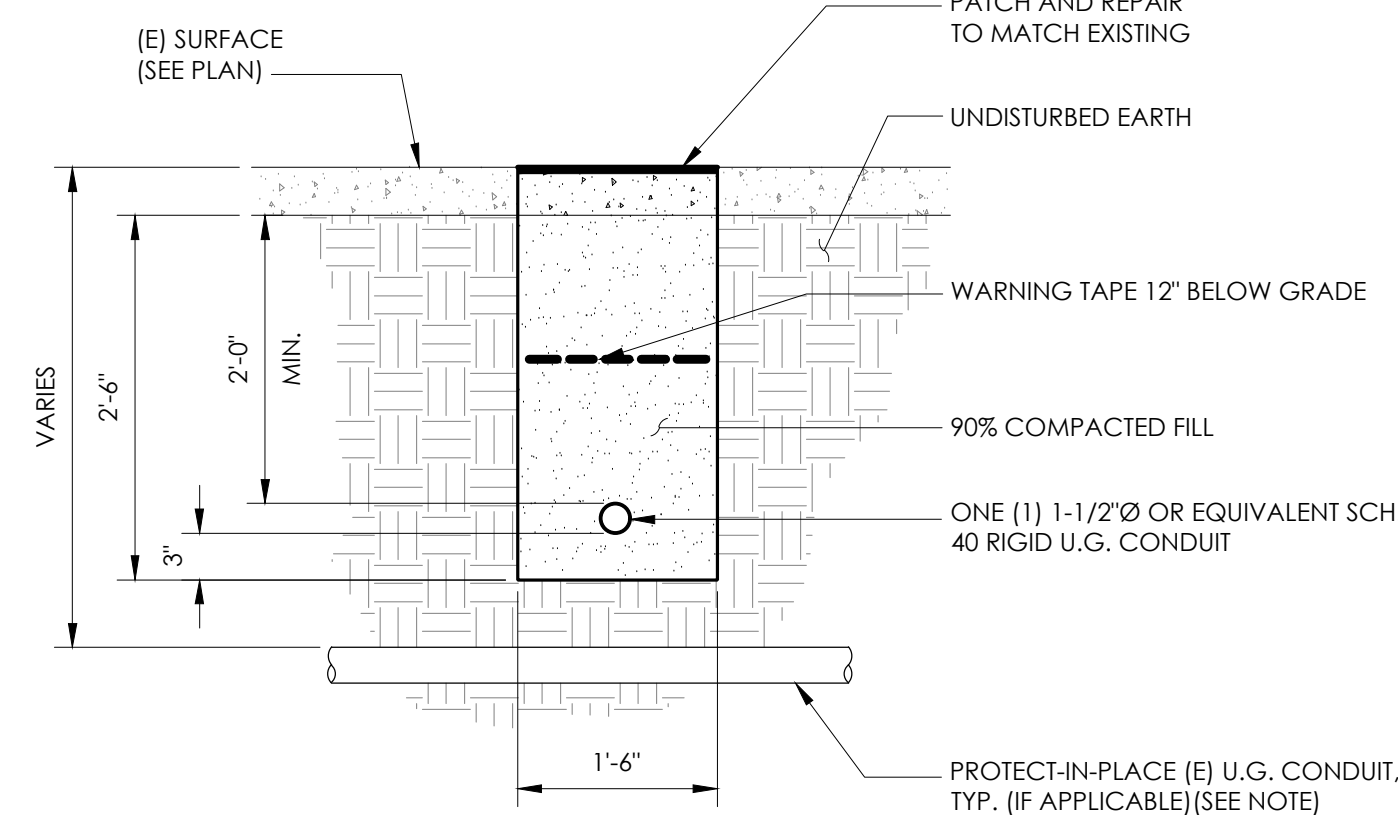
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. CONTRACTOR TO VERIFY RISER MOUNTING REQUIREMENTS W/ POLE OWNER AND/OR POWER COMPANY



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

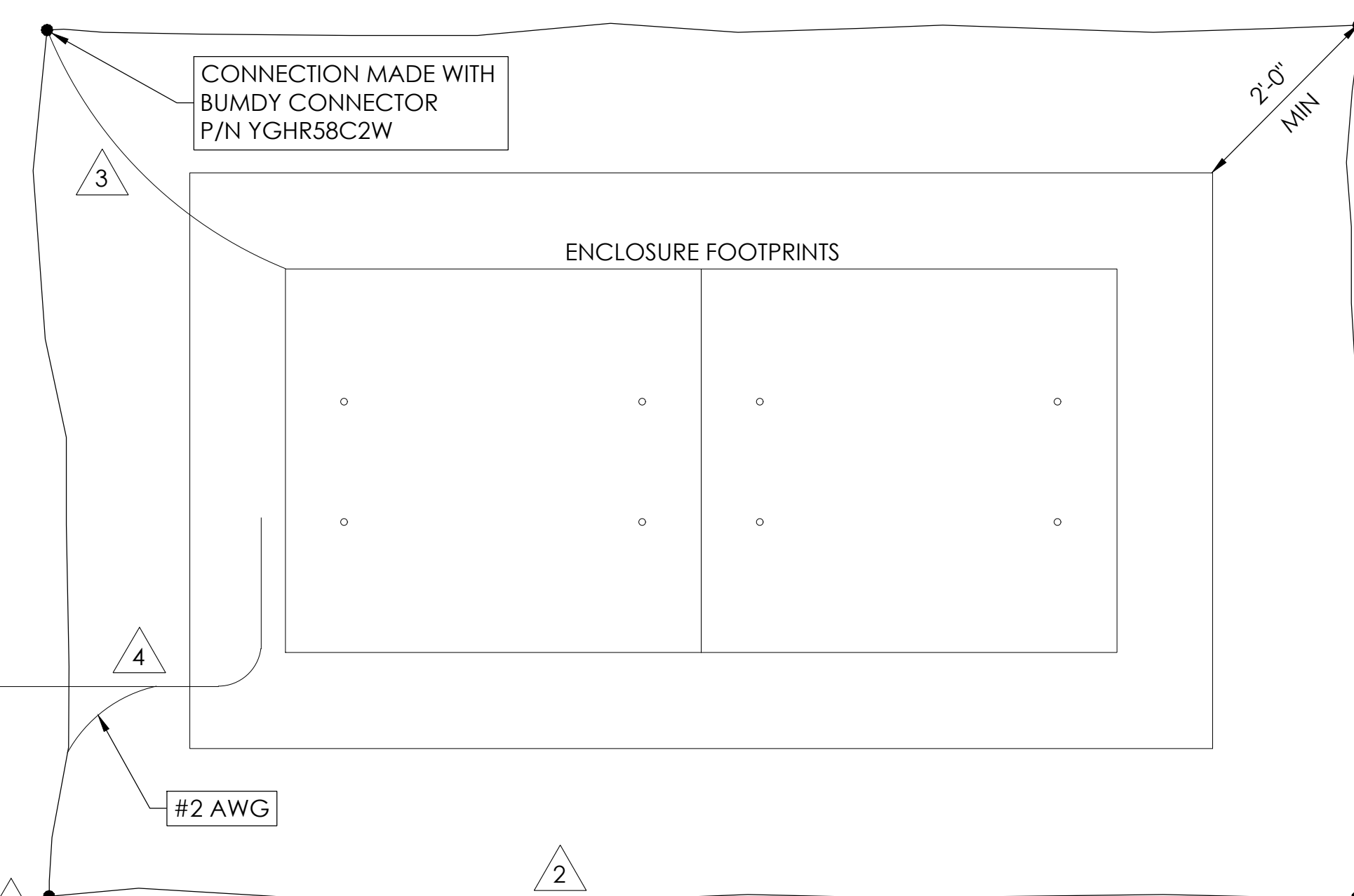
LIGHTNING PROTECTION (OPTIONAL)

- ⚠️ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- ⚠️ #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- ⚠️ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- ⚠️ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

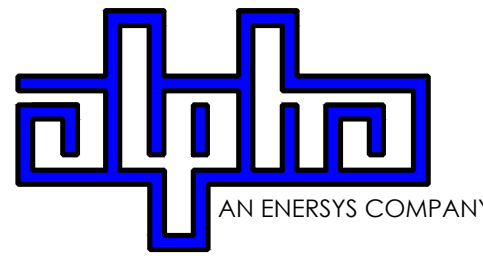
SERVICE GROUNDING (REQUIRED)
⚠️ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6' APART.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



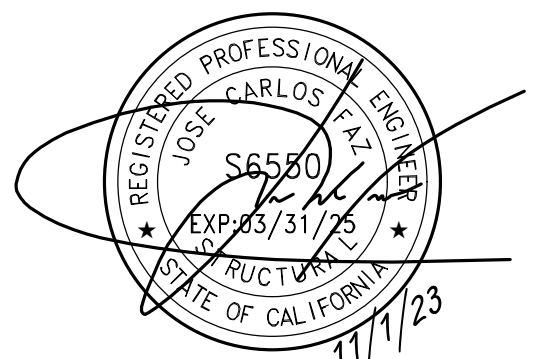
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069704

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AZ
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	11/01/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

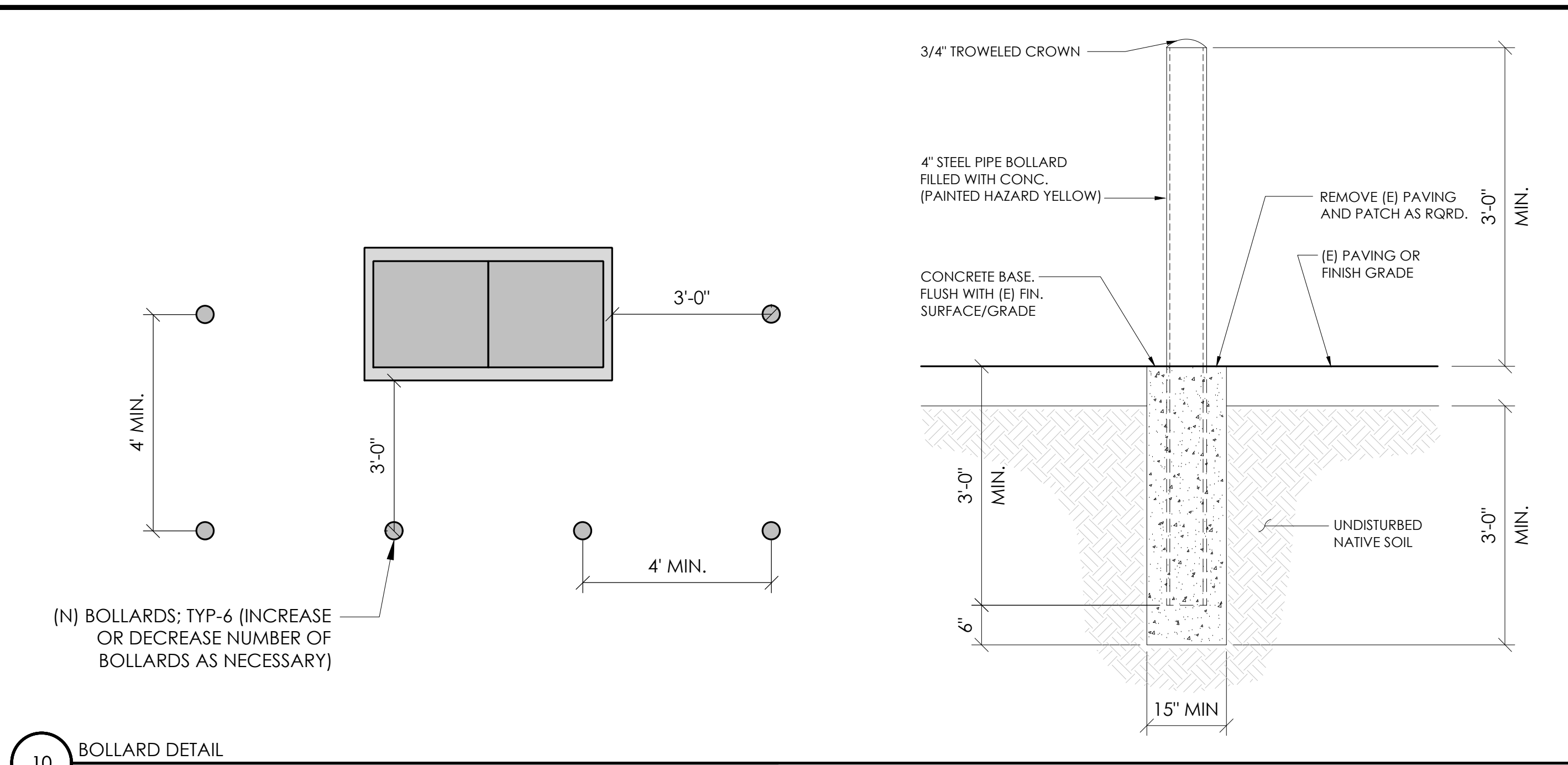
SITE ID:
ST150A_

SITE ADDRESS:
2247 TEXAS AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

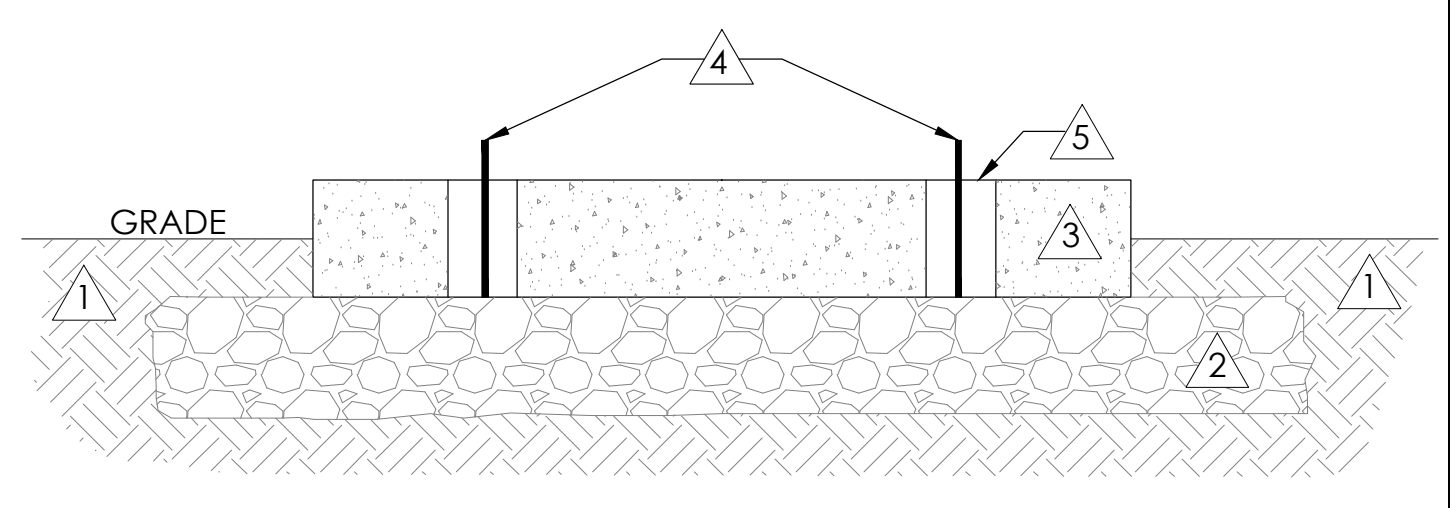
DETAILS

D1

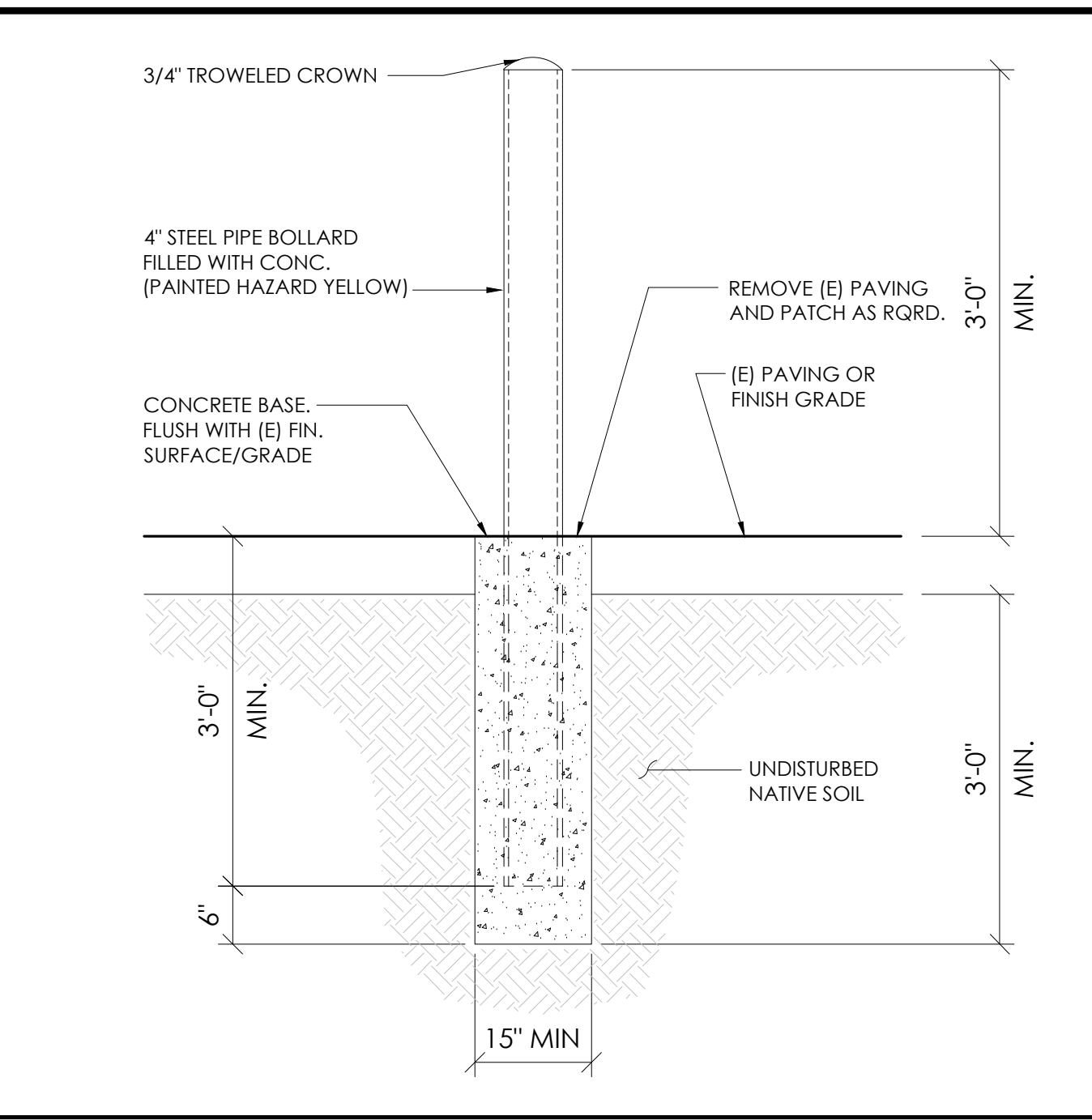


10 BOLLARD DETAIL
N.T.S.

- 1 UNDISTURBED GROUND
- 2 COMPACTED GRAVEL (6" BELOW GRADE)
- 3 CONCRETE PAD (6" THICK)
- 4 1/2" - 4 MOUNTING STUDS FOR THREADED INSERTS
- 5 OPEN AREA FOR UTILITY SWEEPS (OPTIONAL)



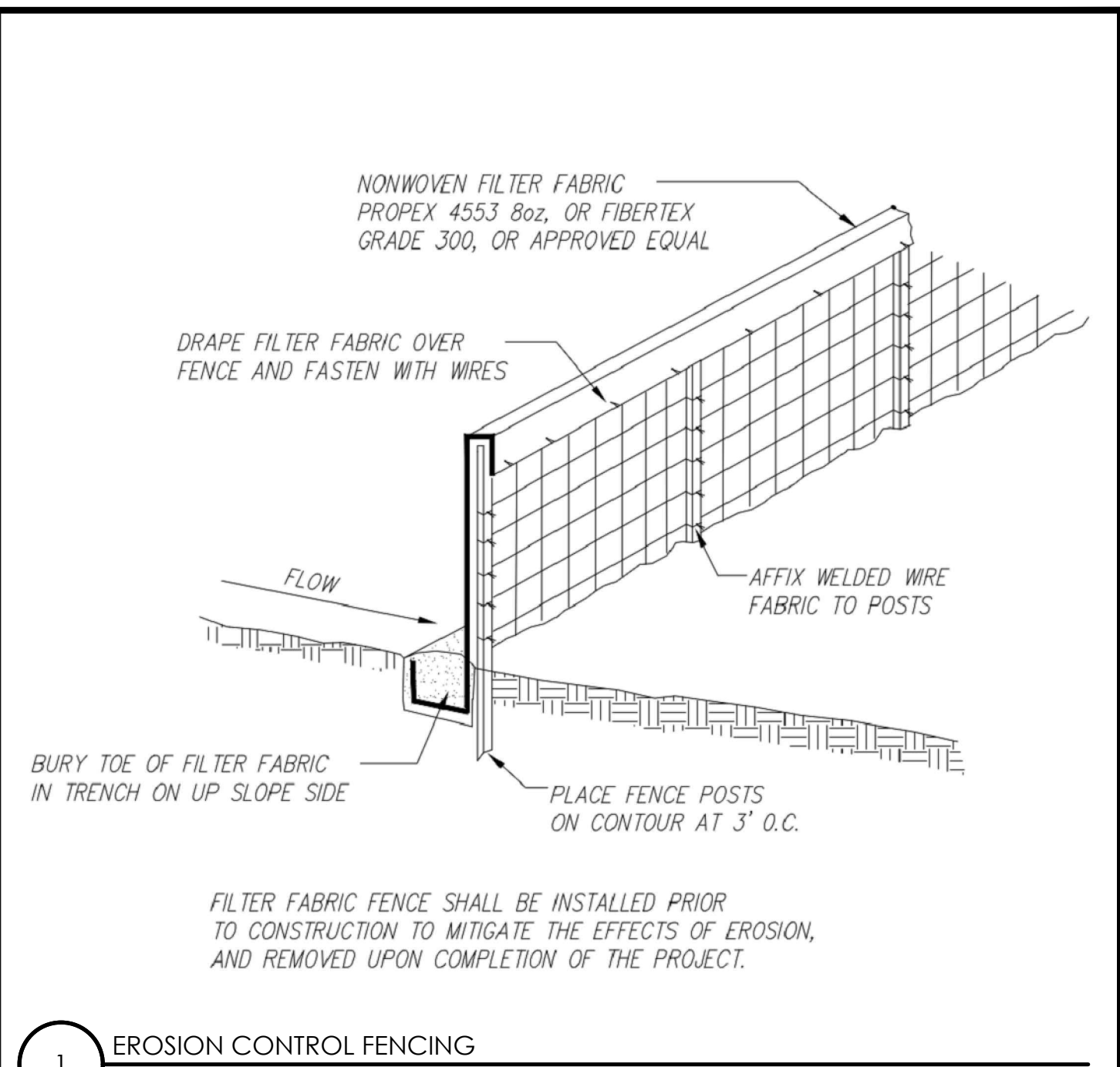
11 FOUNDATION BASE FOR PN4
N.T.S.



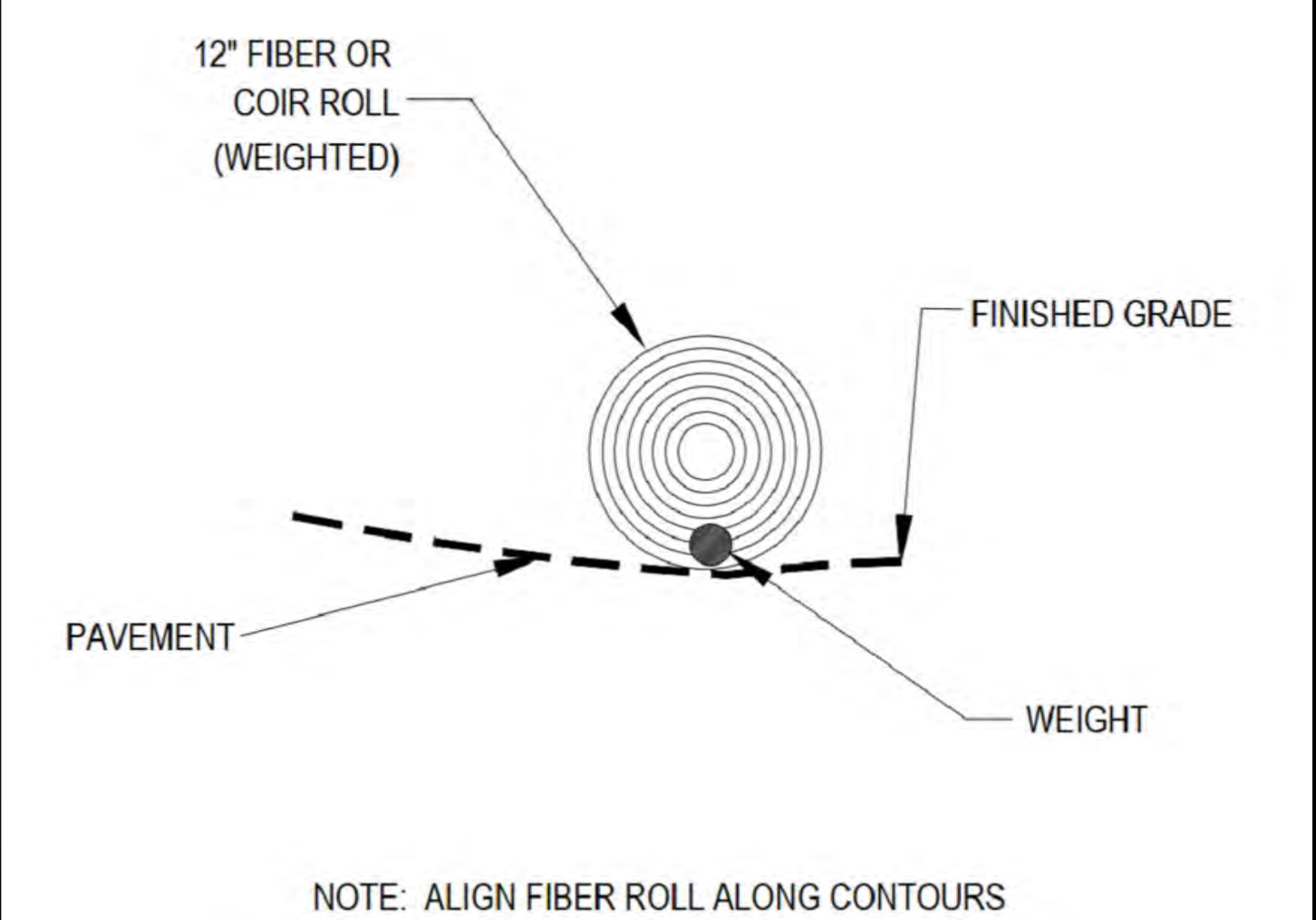
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.

- NOTES:
- FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
 - GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
 - INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
 - SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
 - IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
 - REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

5 NOT USED
N.T.S.

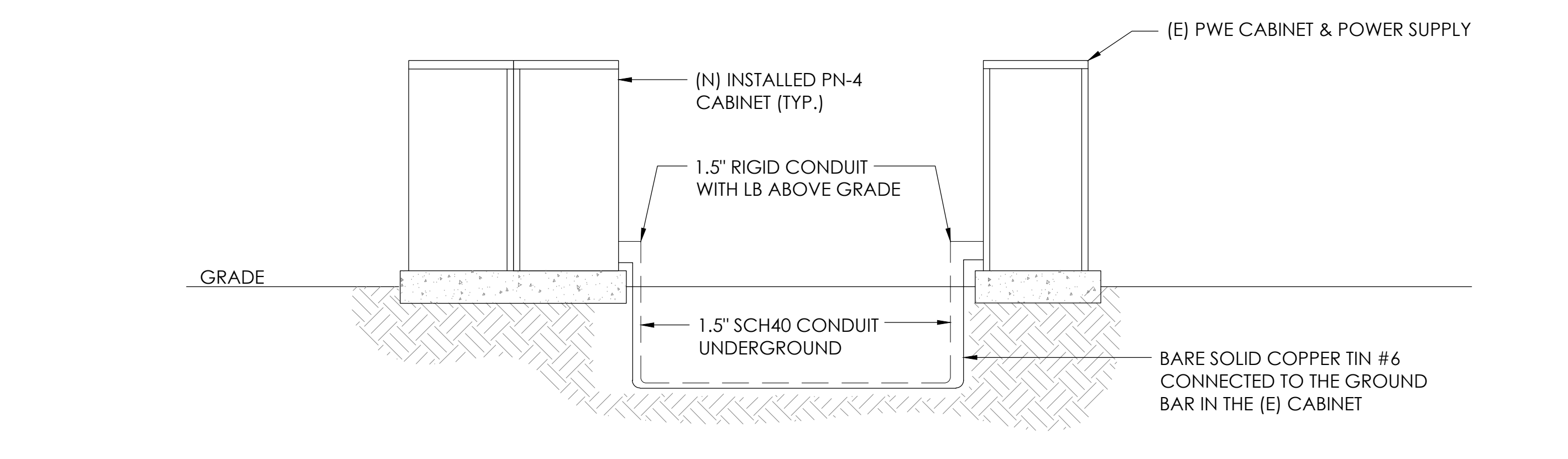


1 EROSION CONTROL FENCING
N.T.S.



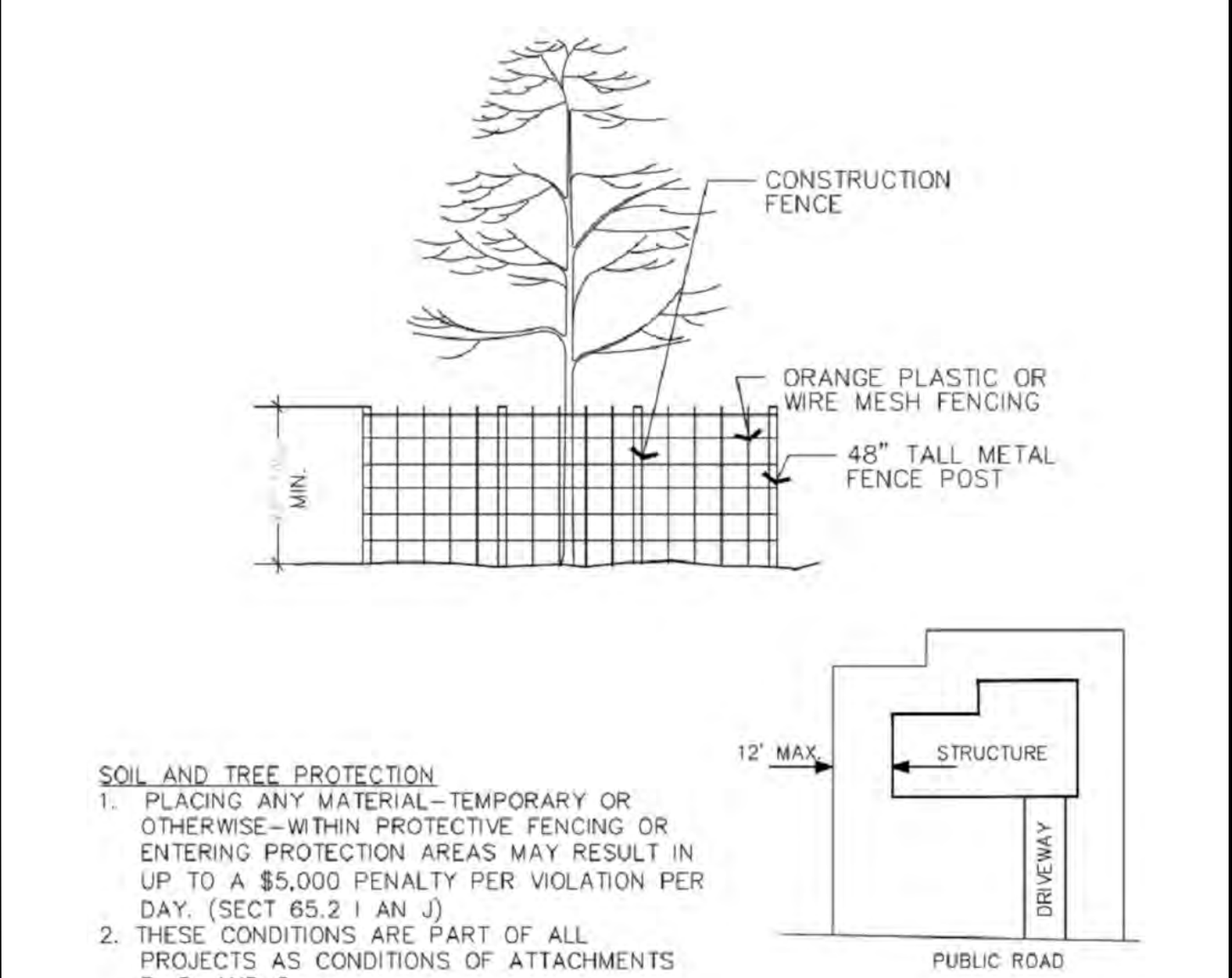
2 WEIGHTED COIR LOGS
N.T.S.

NOTE:
1. USE 1-1/2" CONDUIT IF CABLE IS LESS THAN 50'
2. USE 2" CONDUIT IF CABLE IS MORE THAN 50'



12 CONDUIT TO CABINET INSTALLATION
N.T.S.

6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069704

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AZ
0	12/27/21	100% CD	KV
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3	05/25/23	100% CD REV PER PCC#1	JG
4	11/01/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL

SITE INFORMATION

SITE ID:
ST150A_

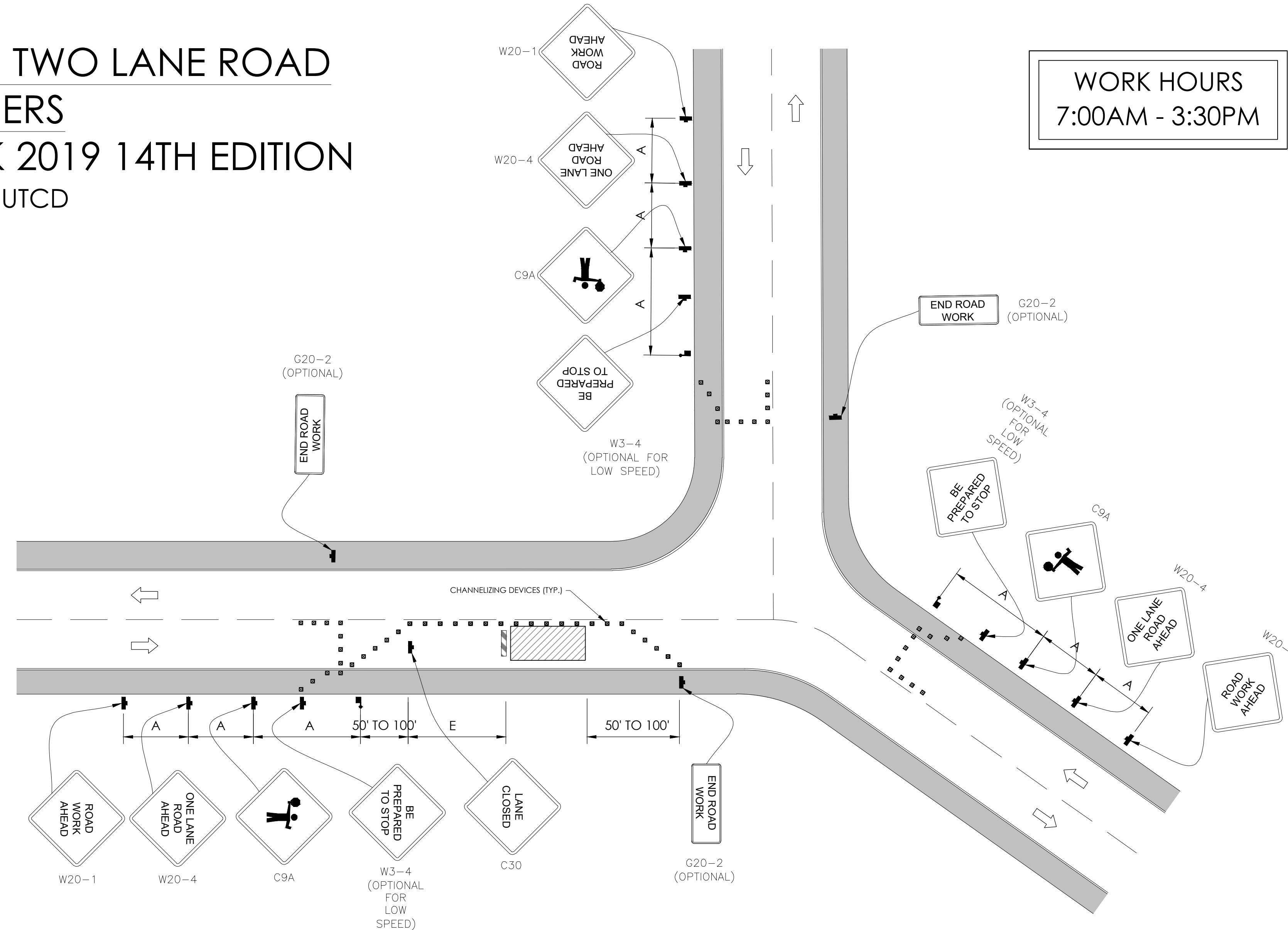
SITE ADDRESS:
2247 TEXAS AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD INTERSECTION USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD



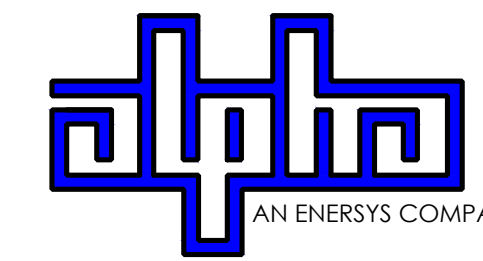
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)	
MPH	FT	ft	ft	ft	ft	ft	ft	ft	
25	100	125	65	45	(155) (160) (135)	25	50	12	
30	250	180	90	60	(200) (205) (215)	30	60	15	
35	250	245	125	85	(250) (260) (275)	35	70	17	
40	250	320	160	110	(305) (315) (335)	40	80	20	
45	350	540	270	180	(360) (380) (400)	45	90	22	
50	350	600	300	200	(425) (450) (475)	50	100	25	
55	500	660	330	220	(495) (520) (555)	50	100	25	
60	500	720	360	240	(570) (600) (640)	50	100	25	
65	500	780	390	260	(645) (685) (730)	50	100	25	
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS								
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)								
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT								
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS								
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP								
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT								
6	** TABLE 6F-101 (CA)								



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



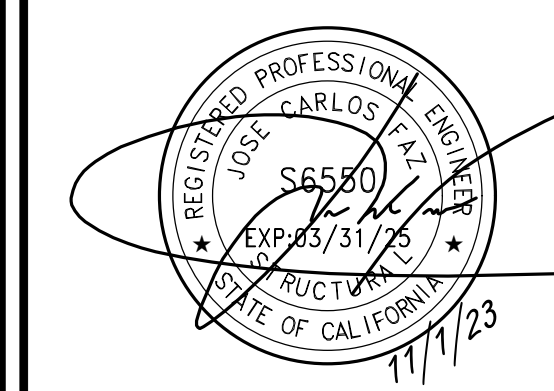
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069704

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AZ
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	11/01/23	SURVEY SHT / BOLLARD ADD	MZ

SEAL



SITE INFORMATION

SITE ID:
ST150A_

SITE ADDRESS:
2247 TEXAS AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST122A_

SITE ADDRESS: 2463 PALMIRA AVENUE, SOUTH LAKE TAHOE, CA 93065

SITE INFORMATION

Table with 2 columns: Field Name and Value. Fields include SITE ADDRESS, LATITUDE/LONGITUDE, JURISDICTION, POWER PROVIDER, STRUCTURE TYPE, OUTPUT VOLTAGE SPEC., INPUT VOLTAGE SPEC., AMP DRAW, HYDRAULIC RELATED AREA, COVERAGE, and CUT/FILL VOLUME.

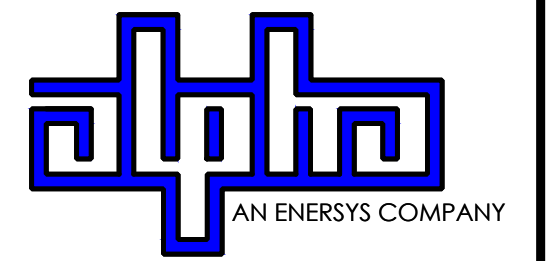
2Li SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
INSTALLATION OF (24) (N) LITHIUM LI BATTERIES
INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069688

ISSUE STATUS

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Shows revision history for the drawing.

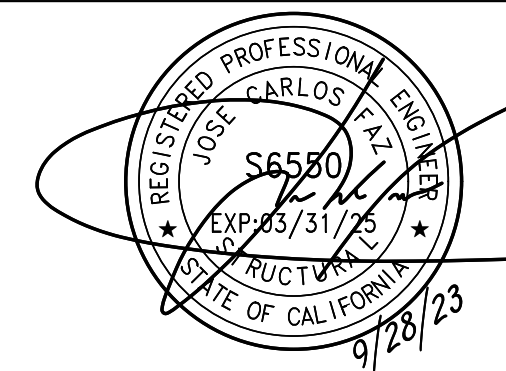
DRAWING INDEX

Table with 2 columns: SHEET and DESCRIPTION. Lists drawing sheets T1, LS-1, A1, D1, D2, and TC1.

PROJECT TEAM

Table listing project team members: OWNER (Charter Communications), ENGINEER/ARCHITECT (J5 Infrastructure Partners), and APPLICANT (Alpha Technologies, Inc.).

SEAL



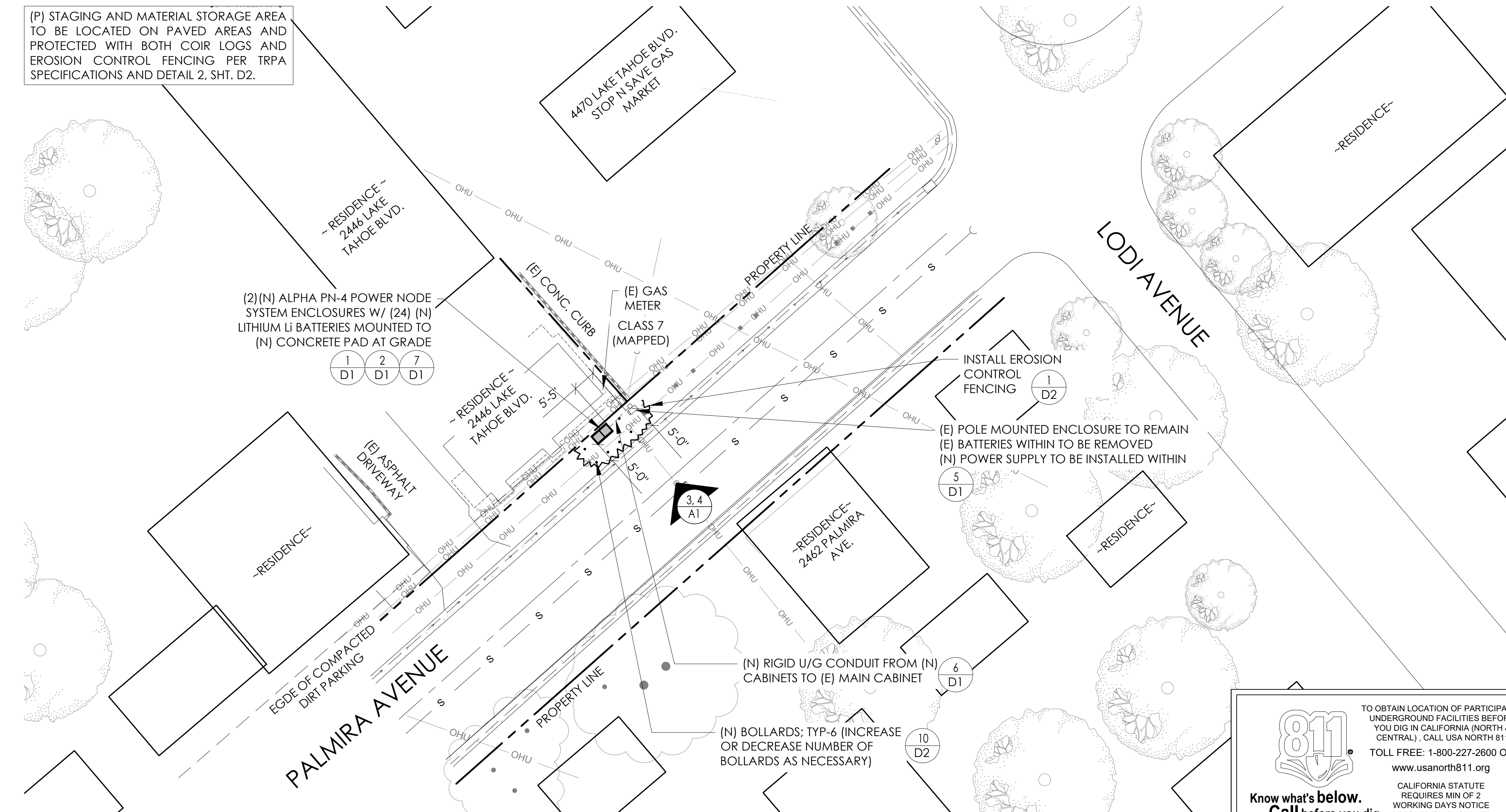
FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES...

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36) CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES...



811 logo and text: 'TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA... CALL USA NORTH 811'.

SITE PLAN

24"x36" SCALE: 1/16" = 1'-0" 11"x17" SCALE: 1/32" = 1'-0" 16' 12' 8' 4' 0' 16'

SITE INFORMATION

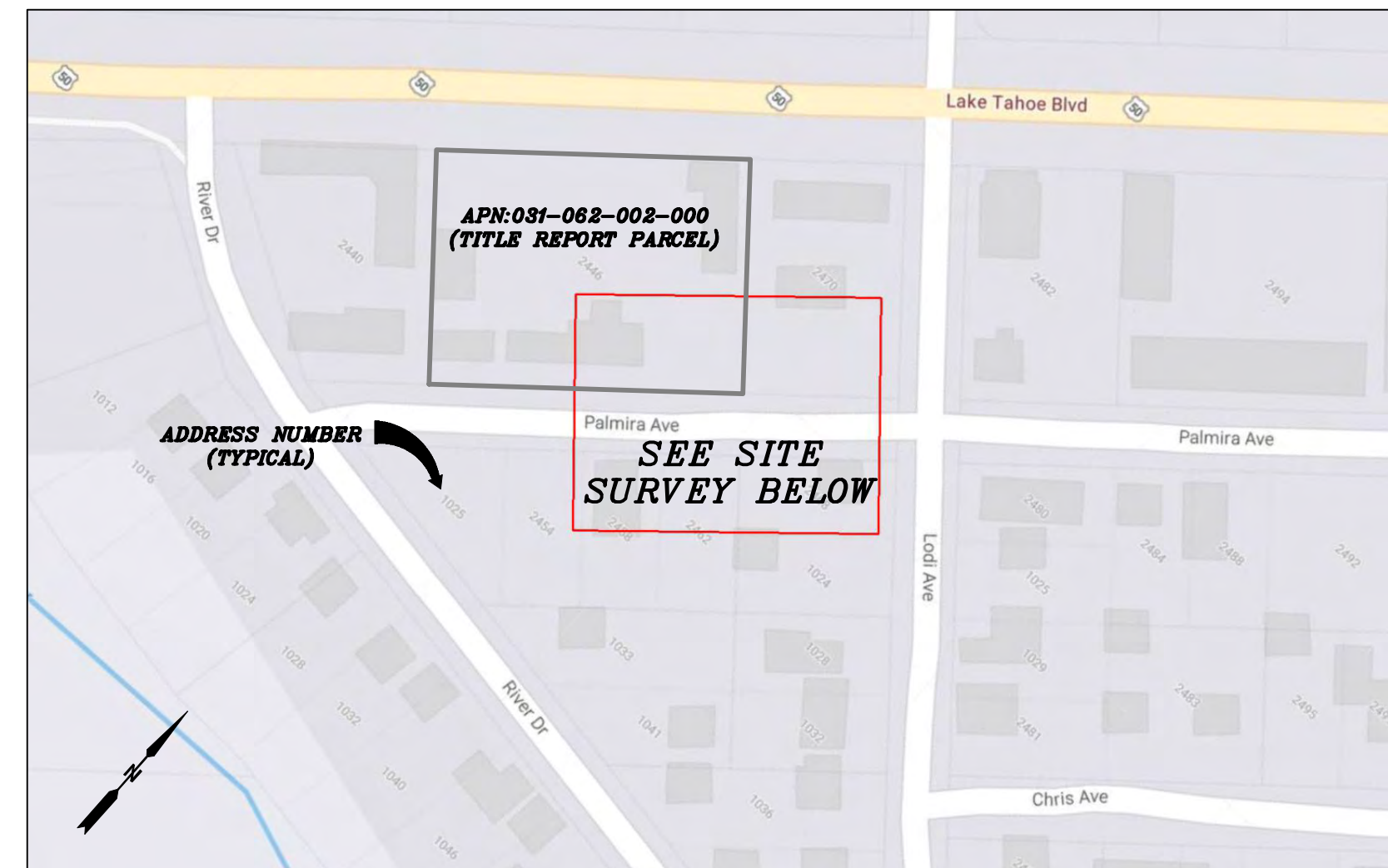
SITE ID: ST122A_ SITE ADDRESS: 2463 PALMIRA AVENUE, SOUTH LAKE TAHOE, CA 93065

TITLE SHEET

T1



VICINITY MAP
N.T.S.



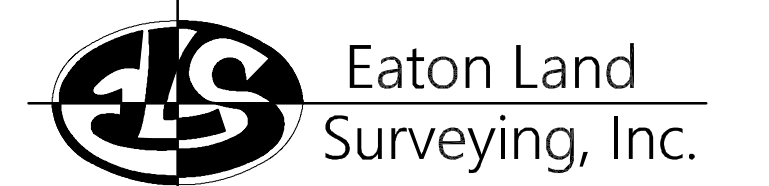
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/21/23	SUBMITTAL



PROJECT INFORMATION:
ST122A
2463 PALMIRA AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/26/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0386F, DATED 04/03/2012.

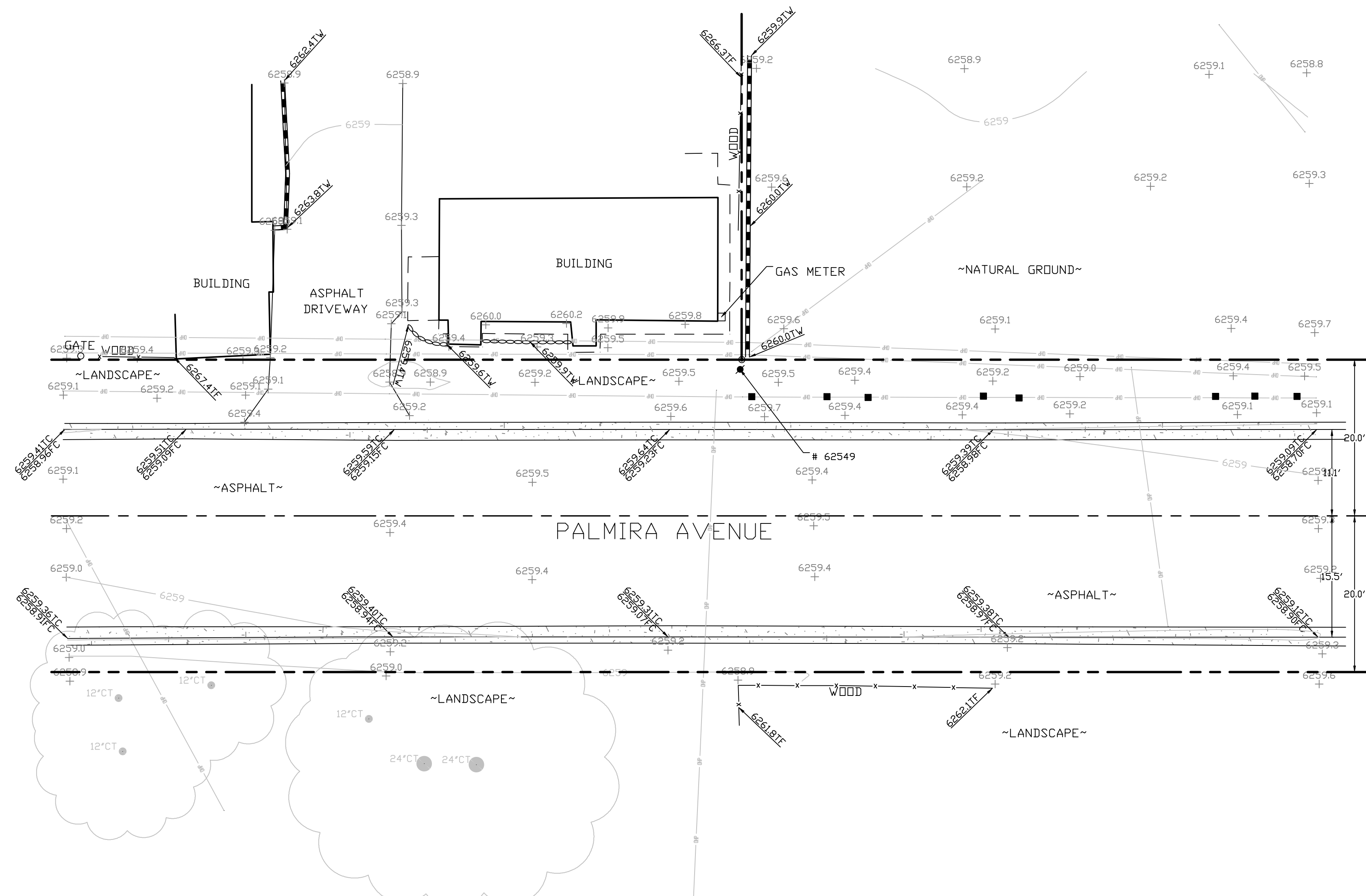
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 35 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 031-062-002-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032277 DATED 08/31/2023;

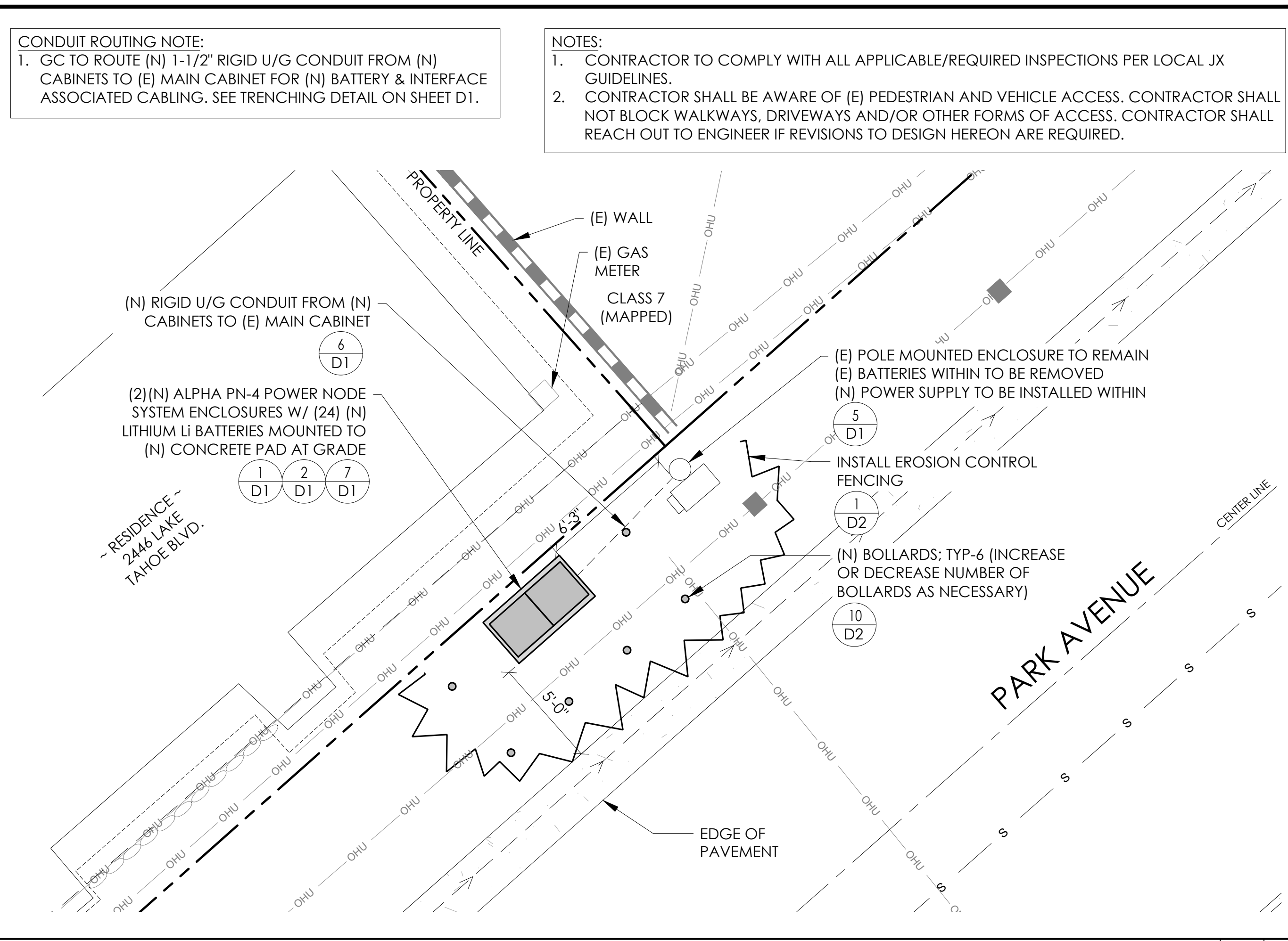
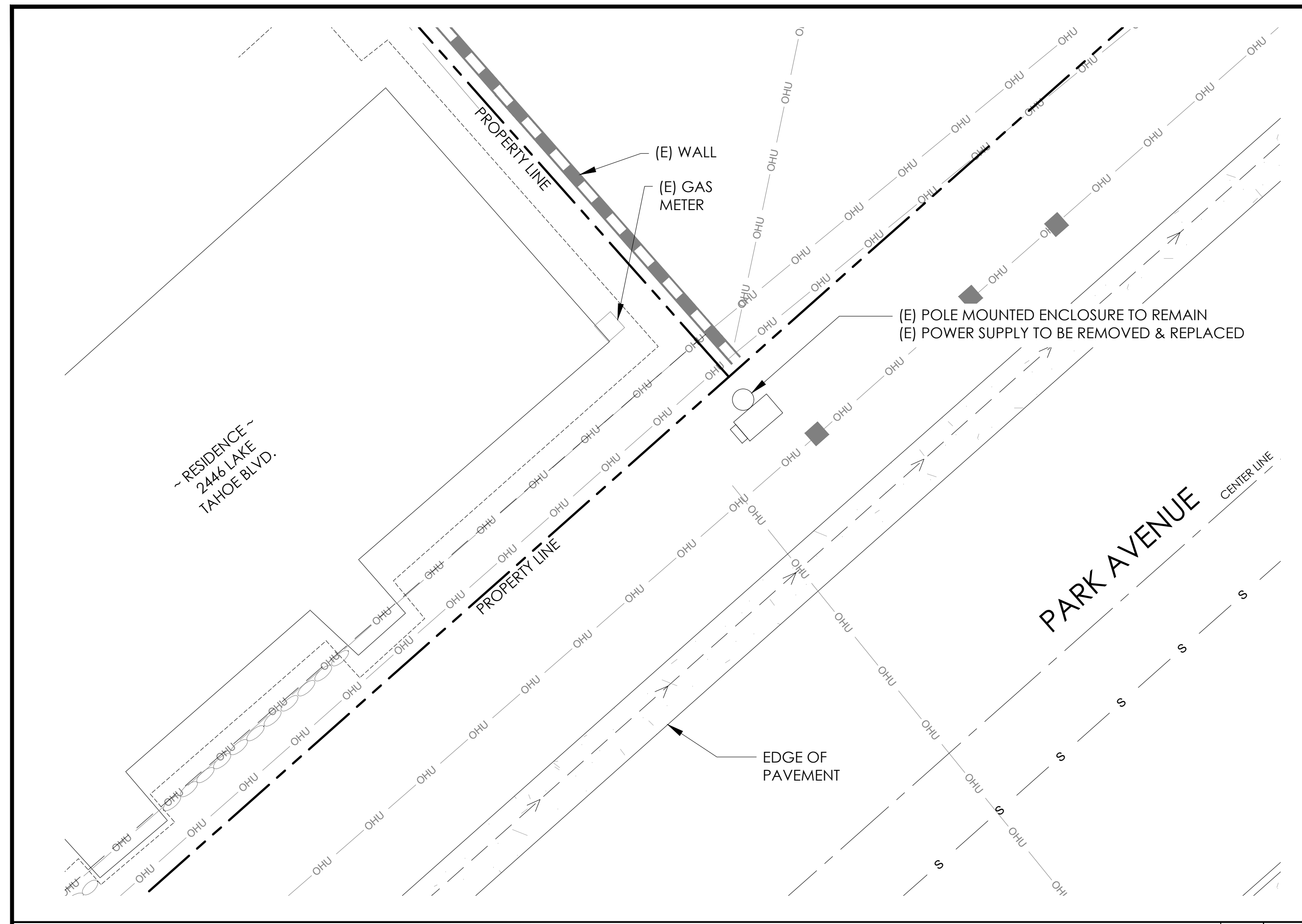
LEGEND
These standard symbols may be found in the drawing.

	CONCRETE
	PROPERTY LINE CENTER LINE
	OVERHEAD LINE
	FENCE HEADER
	ROOF WALL
	ROCK WALL
	PULL BOX ELECTRIC
	PULL BOX TELEPHONE
	PULL BOX COMMUNICATION
	WATER METER
	WATER VALVE
	POWER POLE
	ELEVATION GRADE
	GUY WIRE
	MAILBOX
	SIGN
	MANHOLE TELEPHONE
	MANHOLE SEWER
	RECTANGLE INLET
	FIRE HYDRANT
	SHRUB
	TRUNK
	DT CONIFEROUS TREE
	DT DECIDUOUS TREE
	TC TOP OF CURB
	FC FACE OF CURB
	TF TOP OF FENCE
	TW TOP OF WALL
	CD CURB DRAIN
	FOUND MONUMENT



SITE SURVEY
SCALE 1"=10'





CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

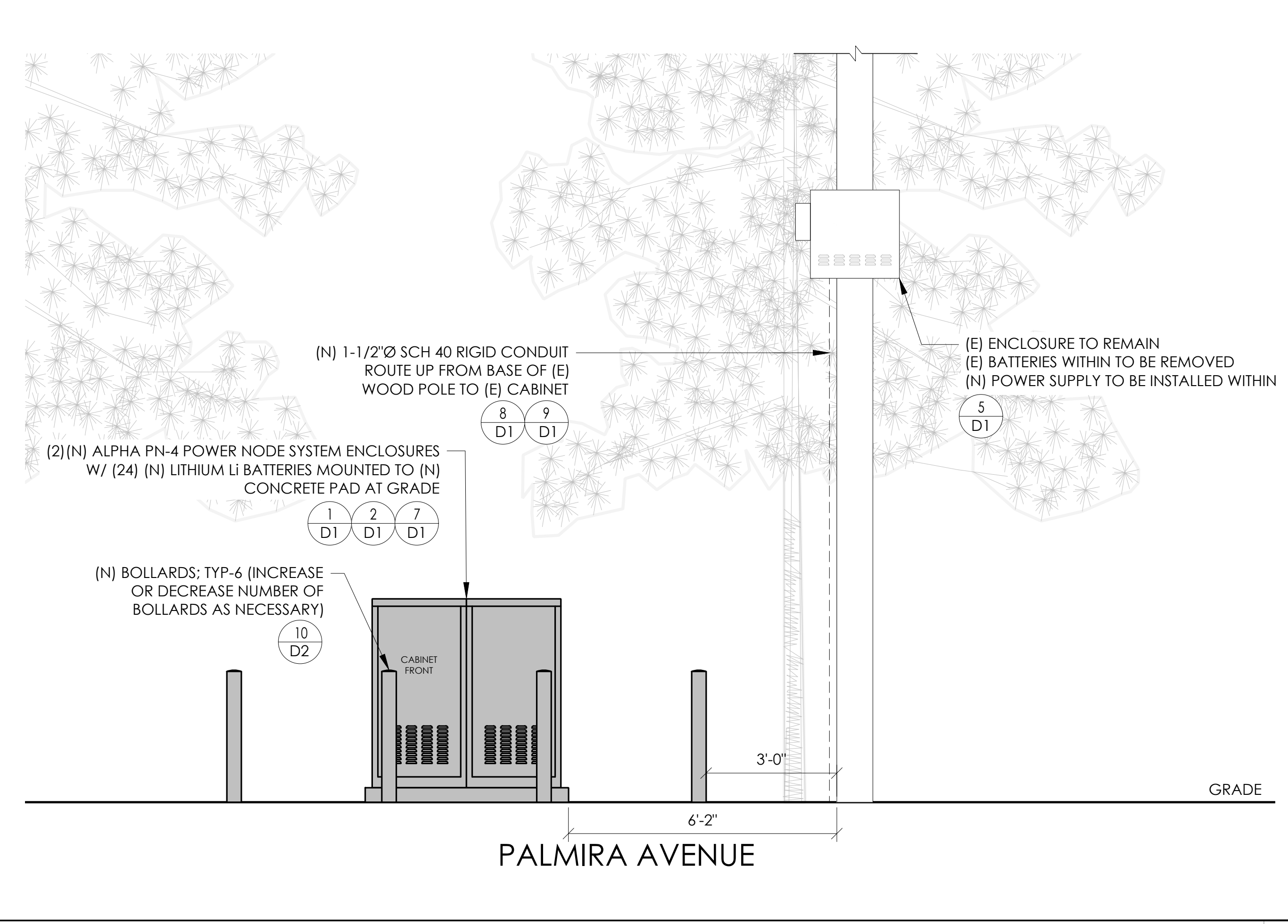
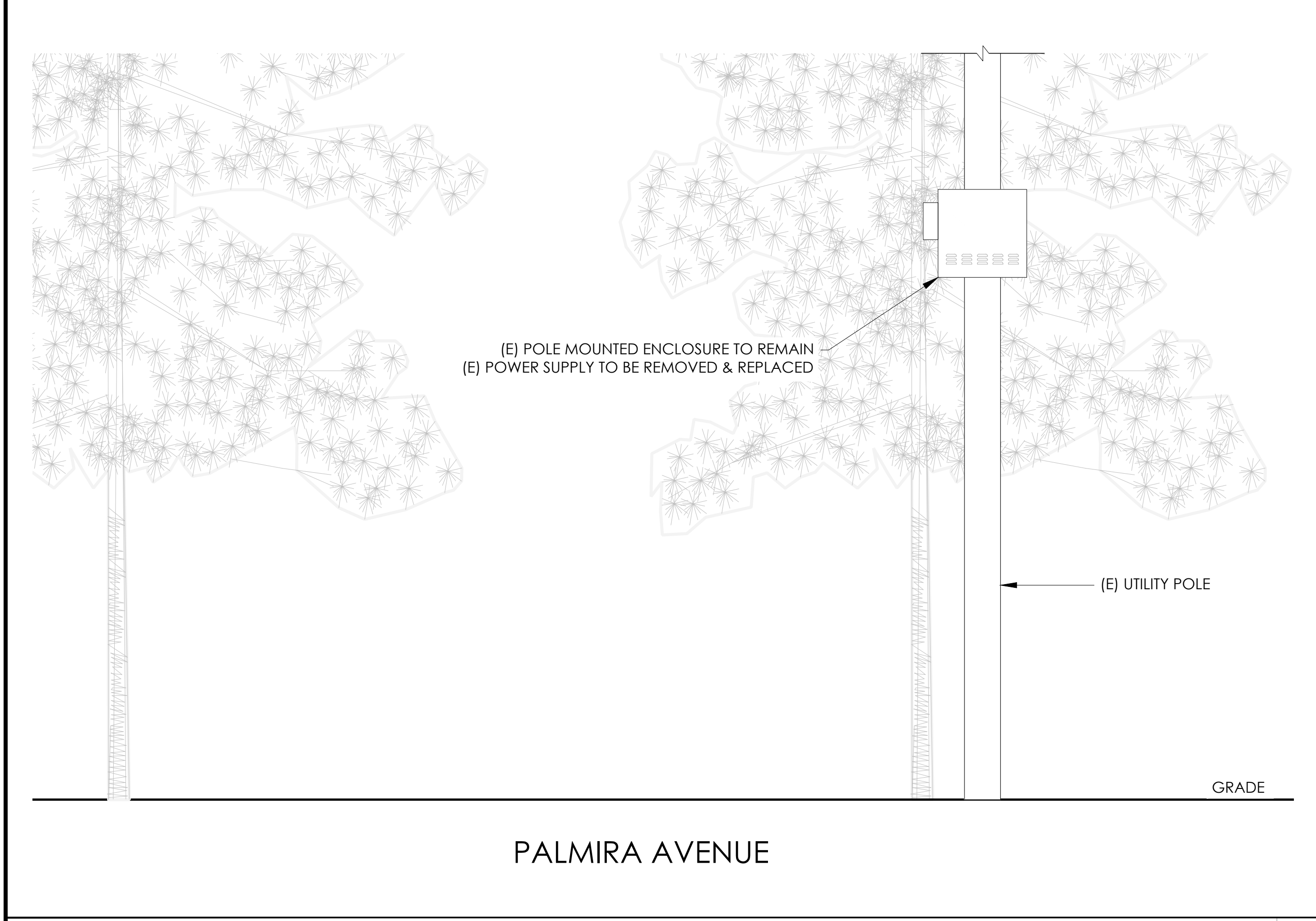
NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4'

PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"
 4' 3' 2' 1' 0" 4'



EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2'

PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2'



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



3767 ALPHA WAY
 BELLINGHAM, WA 98226

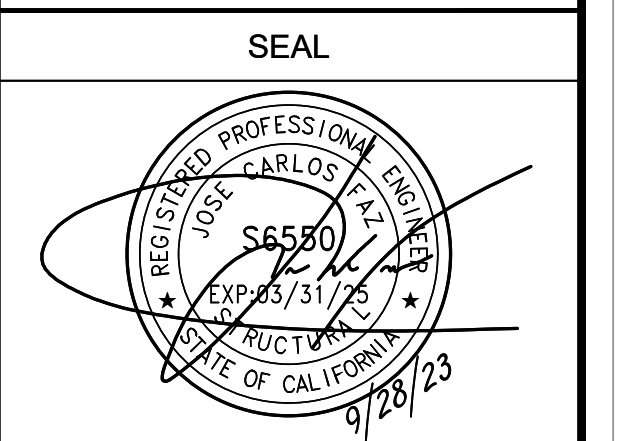


23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069688

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/08/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PCC#1	DJW
2	05/23/22	100% CD REV PER PCC#1	RD
3	06/22/23	100% CD REV PER PCC#2	ES
4	09/26/23	SITE SURVEY ADD	MZ



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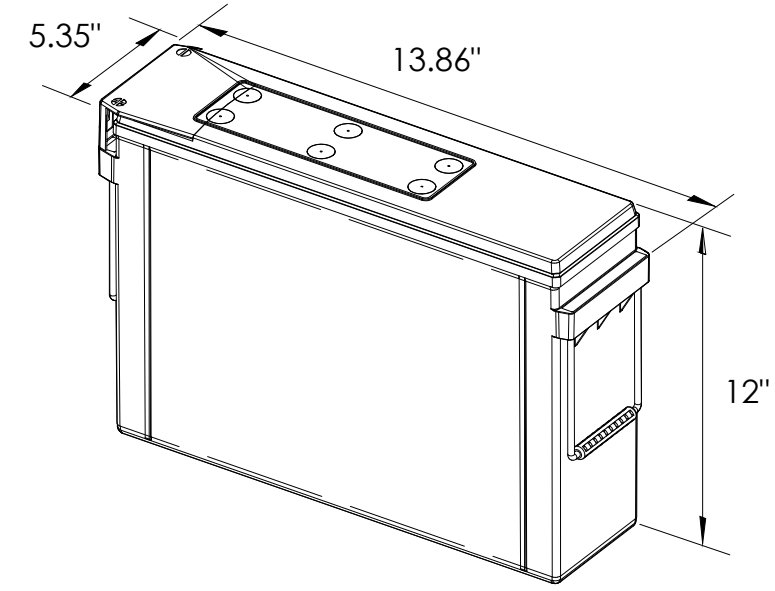
SITE INFORMATION

SITE ID:
 ST122A_

SITE ADDRESS:
 2463 PALMIRA AVENUE,
 SOUTH LAKE TAHOE, CA
 93065

SHEET TITLE:
ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

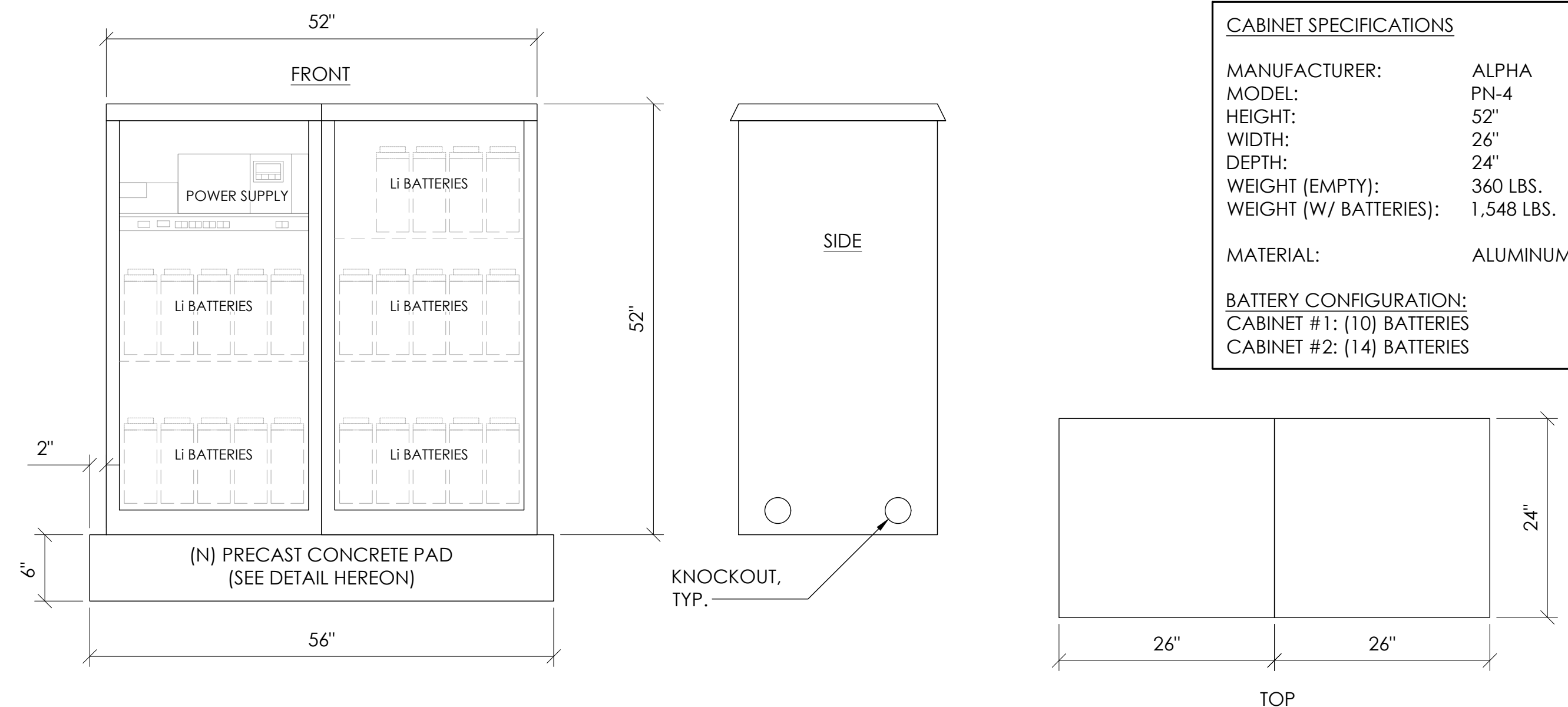
MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN
 WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.

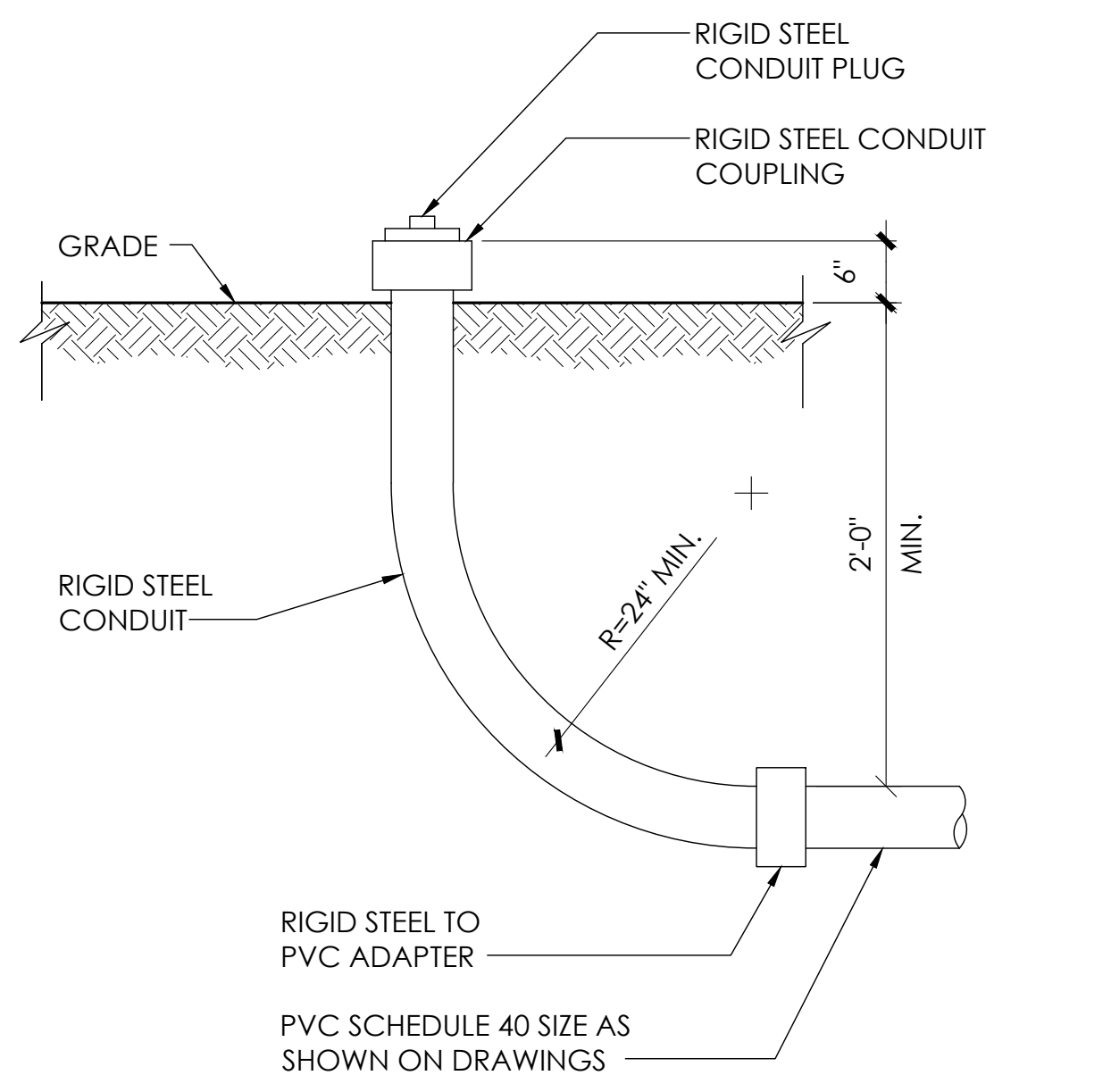


CABINET SPECIFICATIONS

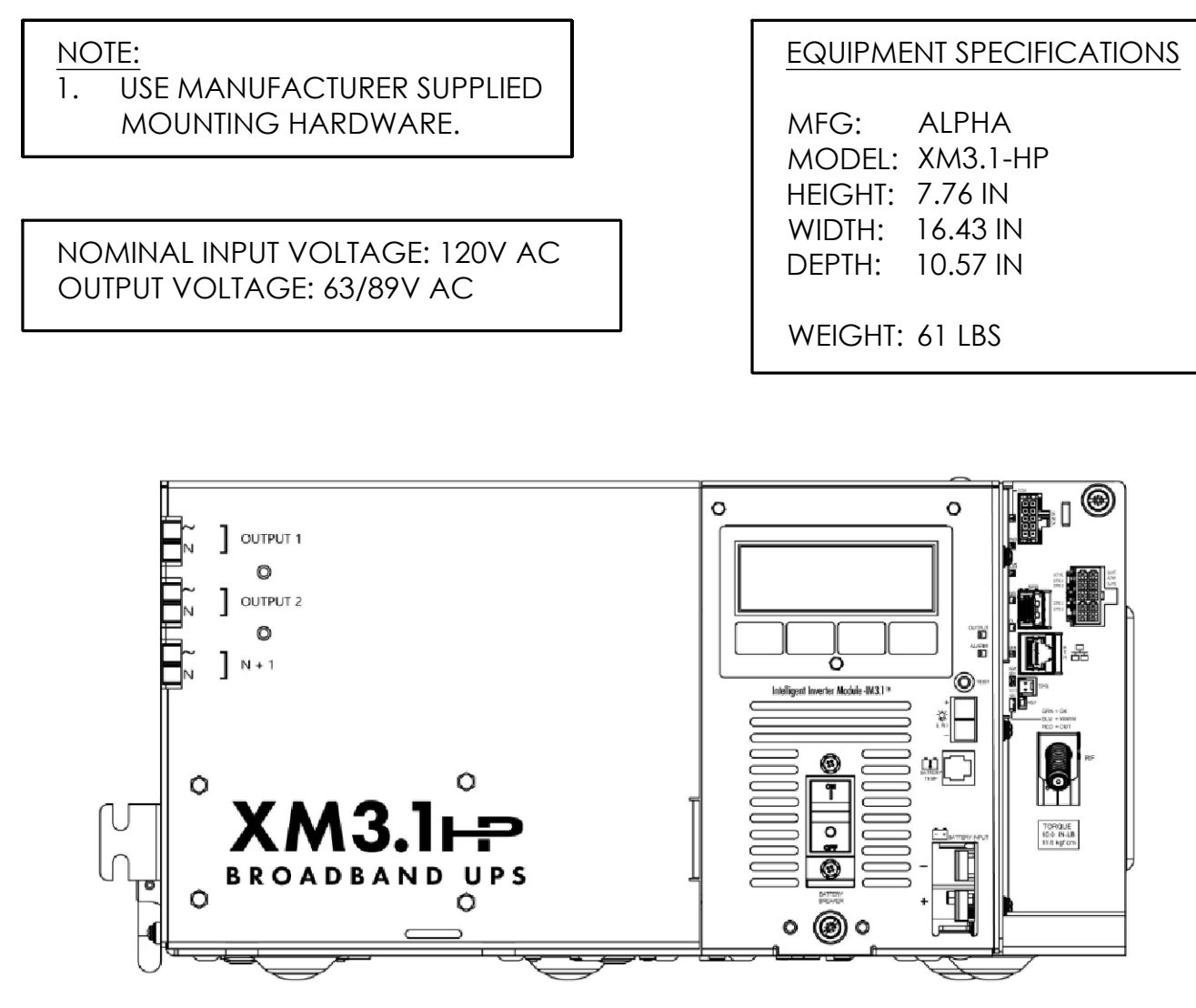
MANUFACTURER: ALPHA
 MODEL: PN-4
 HEIGHT: 52"
 WIDTH: 26"
 DEPTH: 24"
 WEIGHT (EMPTY): 360 LBS.
 WEIGHT (W/ BATTERIES): 1,548 LBS.
 MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
 CABINET #1: (10) BATTERIES
 CABINET #2: (14) BATTERIES

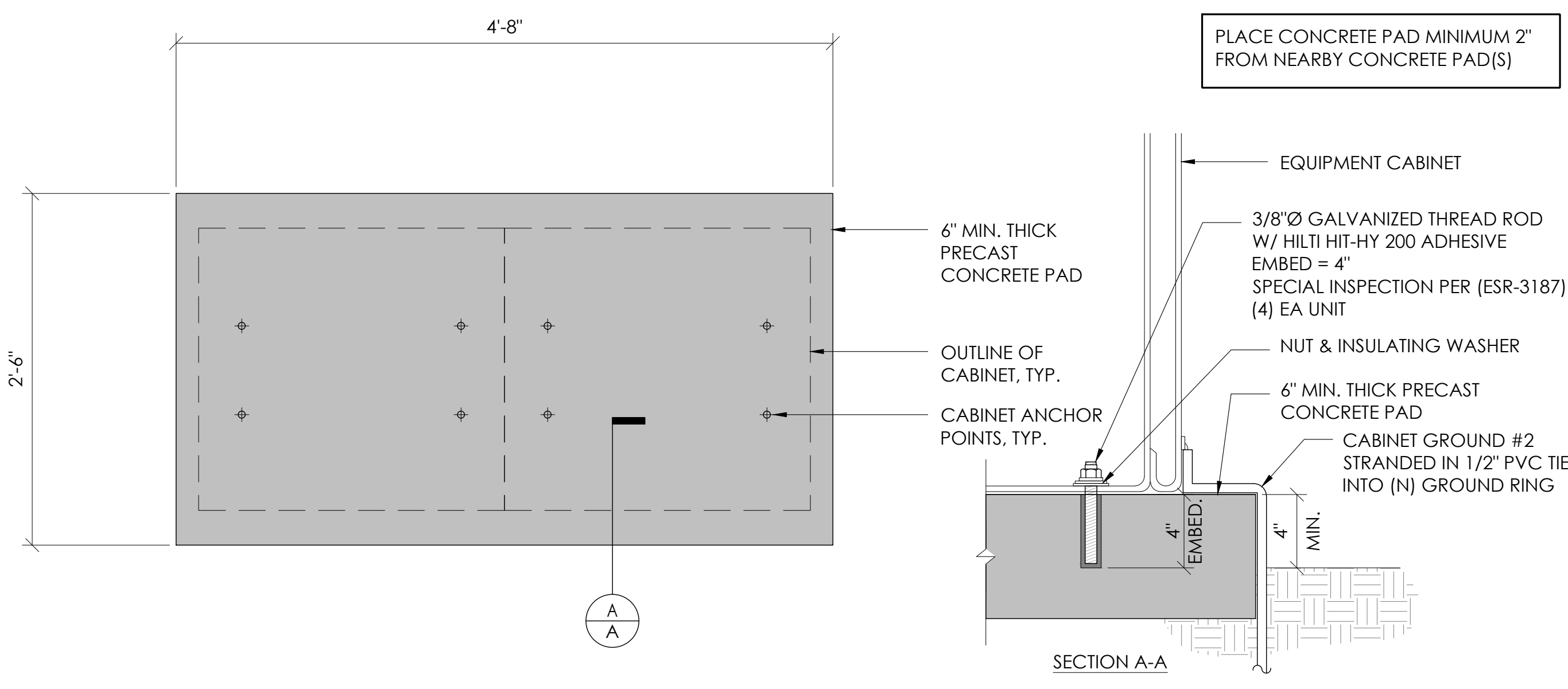
1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



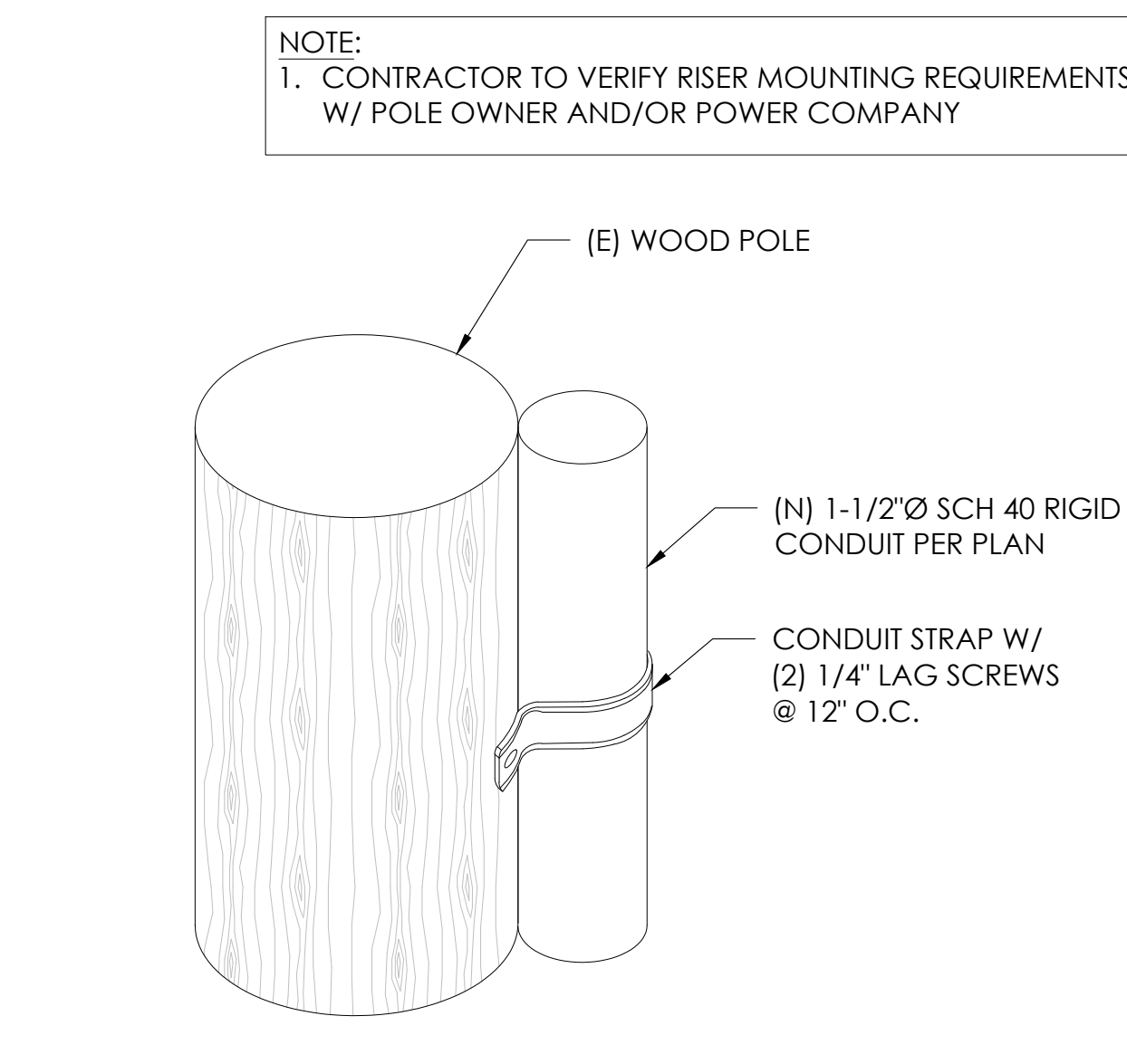
8 STUB-UP DETAIL
N.T.S.



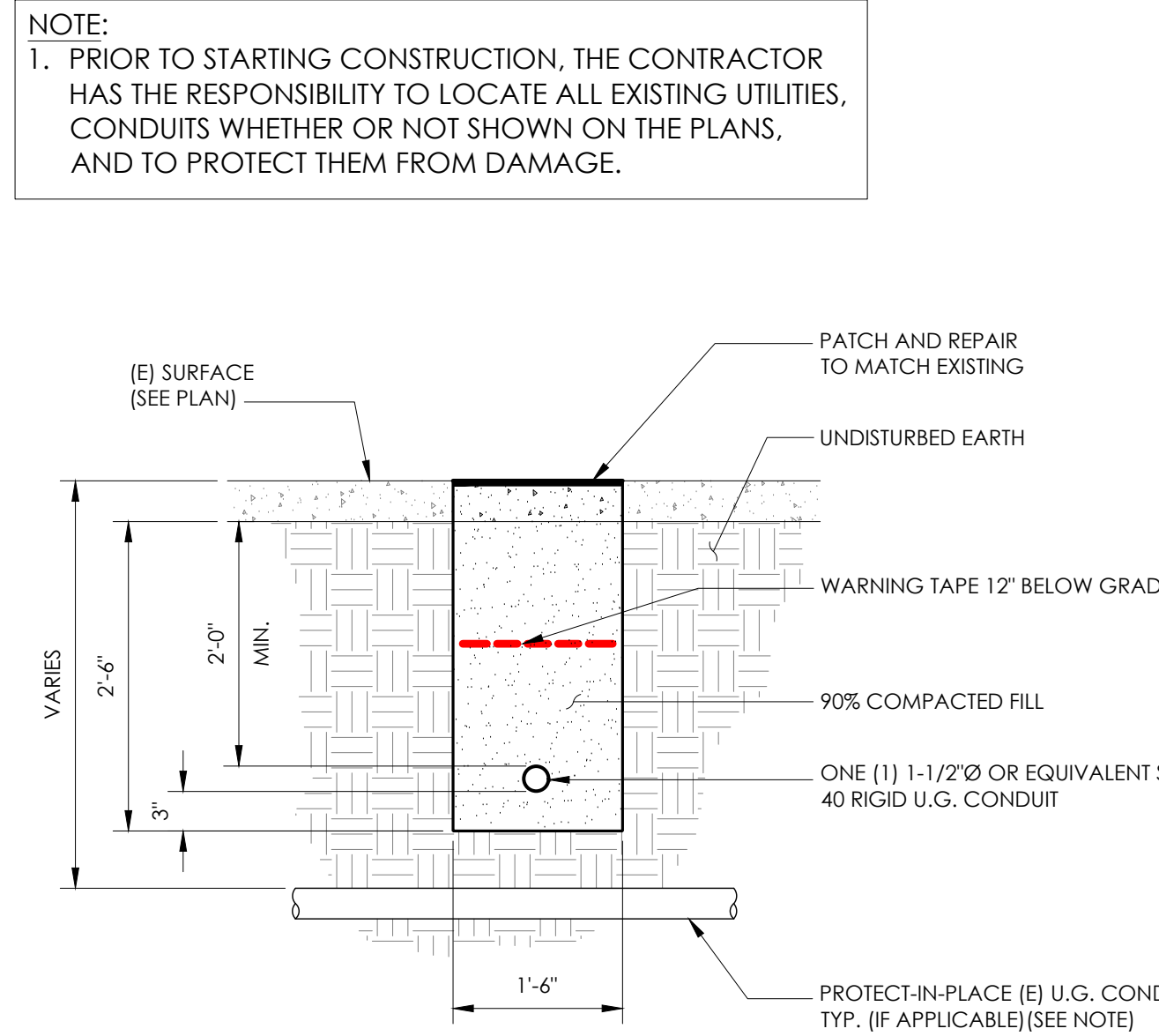
5 POWER SUPPLY DETAIL
N.T.S.



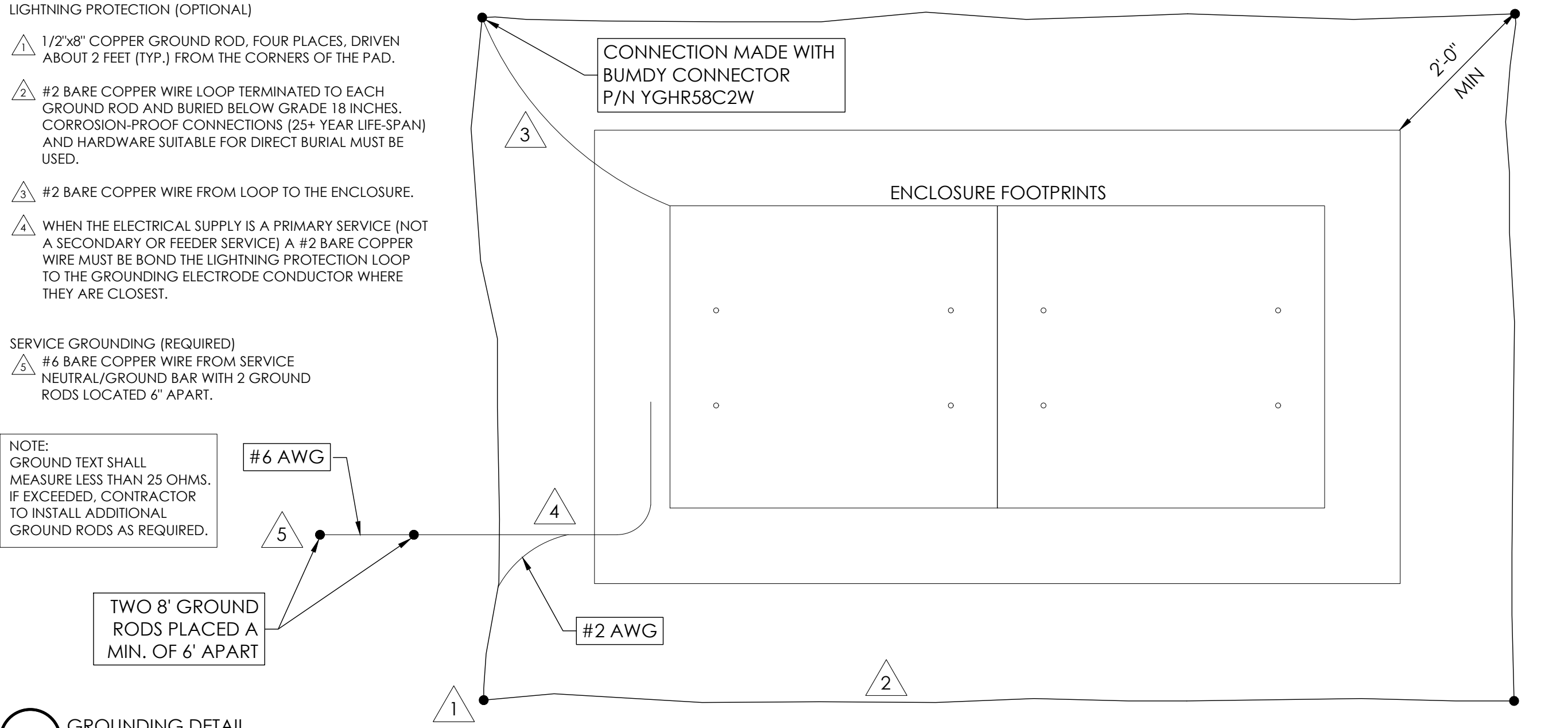
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



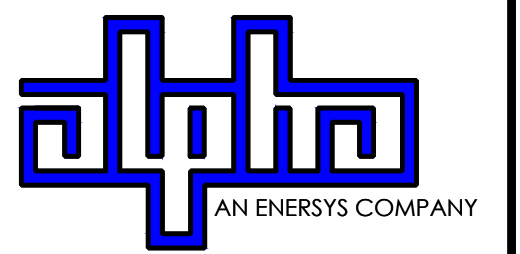
6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



3767 ALPHA WAY
 BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069688

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PCC#1	DJW
2	05/23/22	100% CD REV PER PCC#1	RD
3	06/22/23	100% CD REV PER PCC#2	ES
4	09/26/23	SITE SURVEY ADD	MZ

SEAL

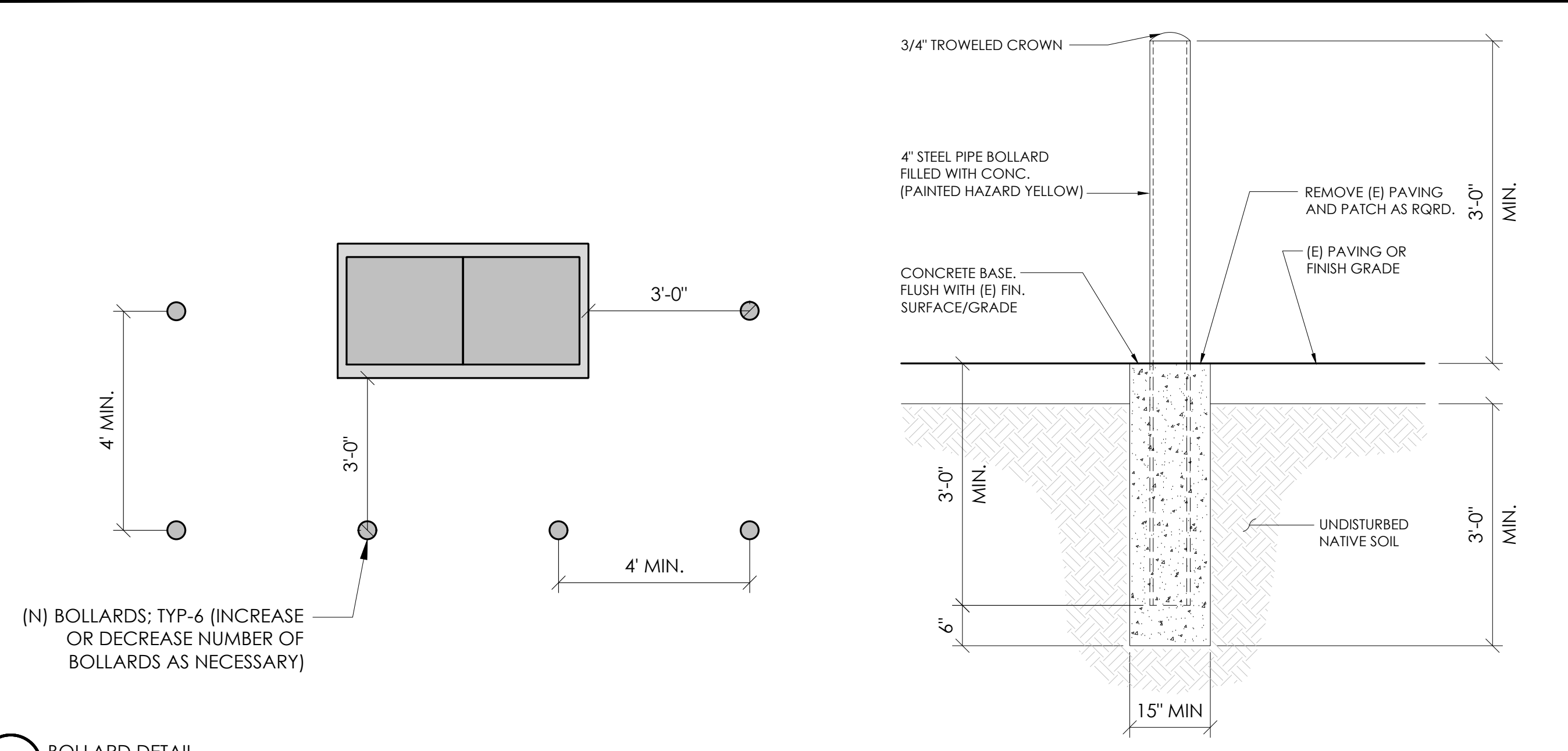
FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

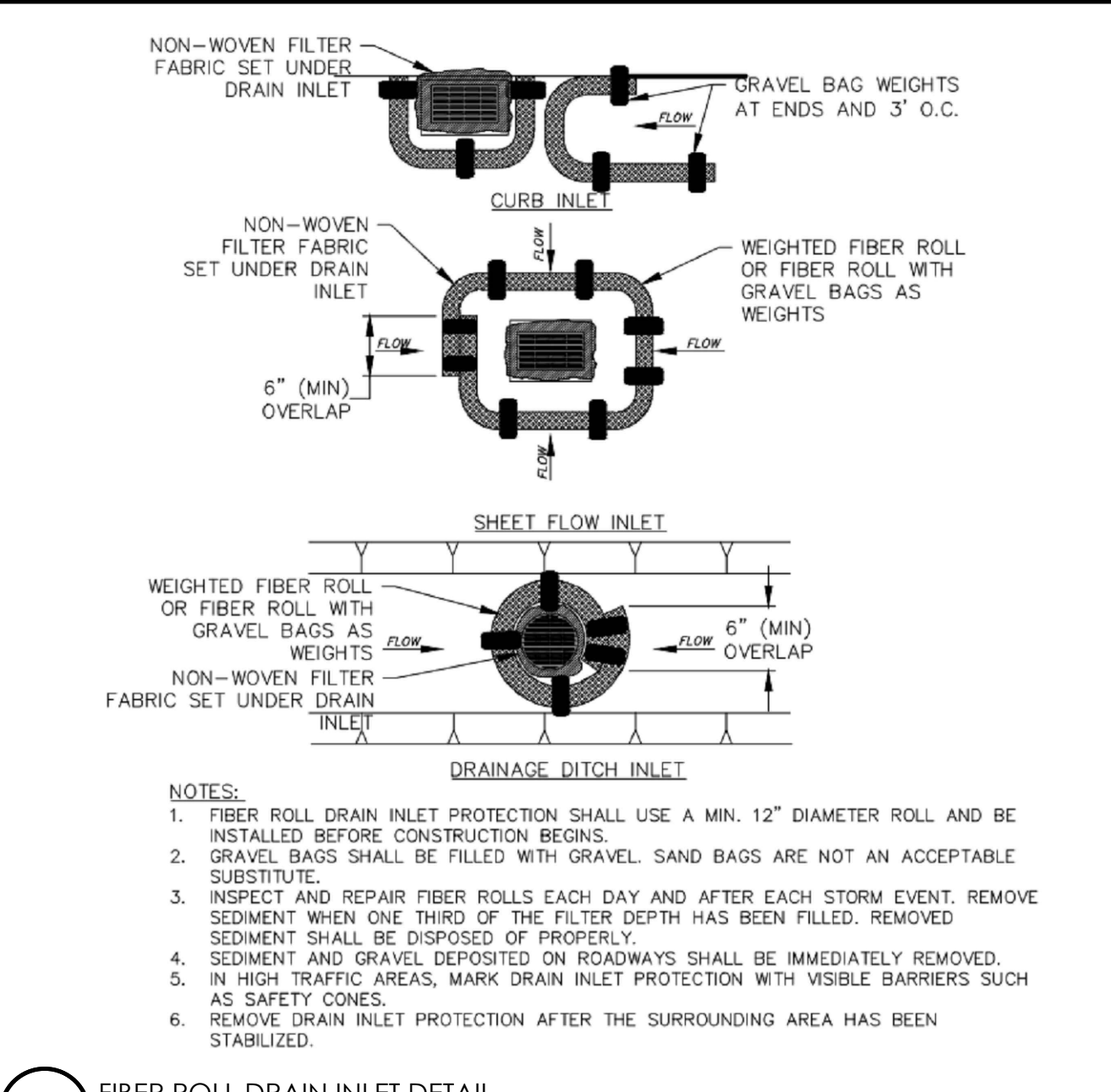
SITE ID:
ST122A

SITE ADDRESS:
2463 PALMIRA AVENUE,
SOUTH LAKE TAHOE, CA
93065

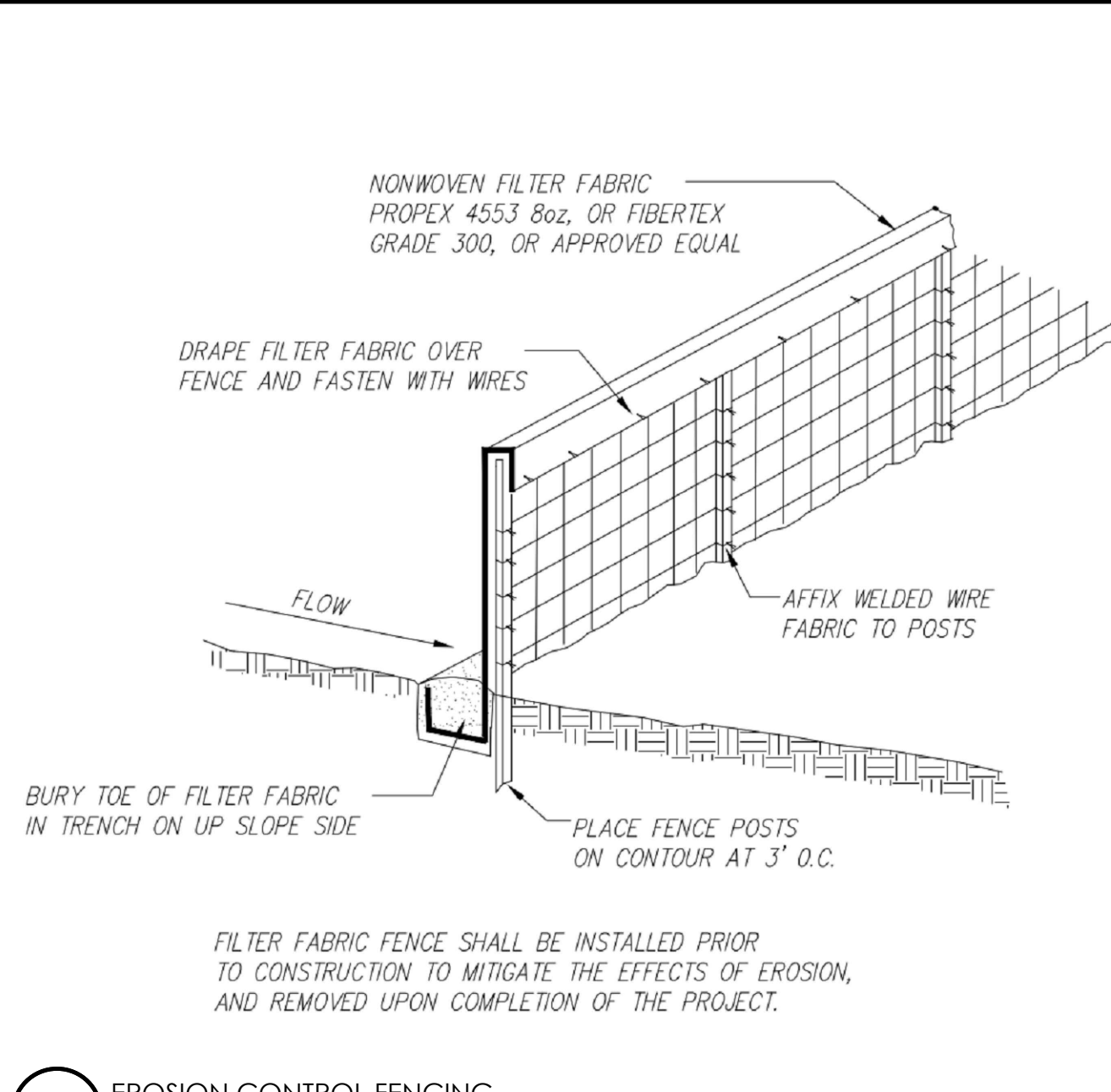
SHEET TITLE:
DETAILS
D1



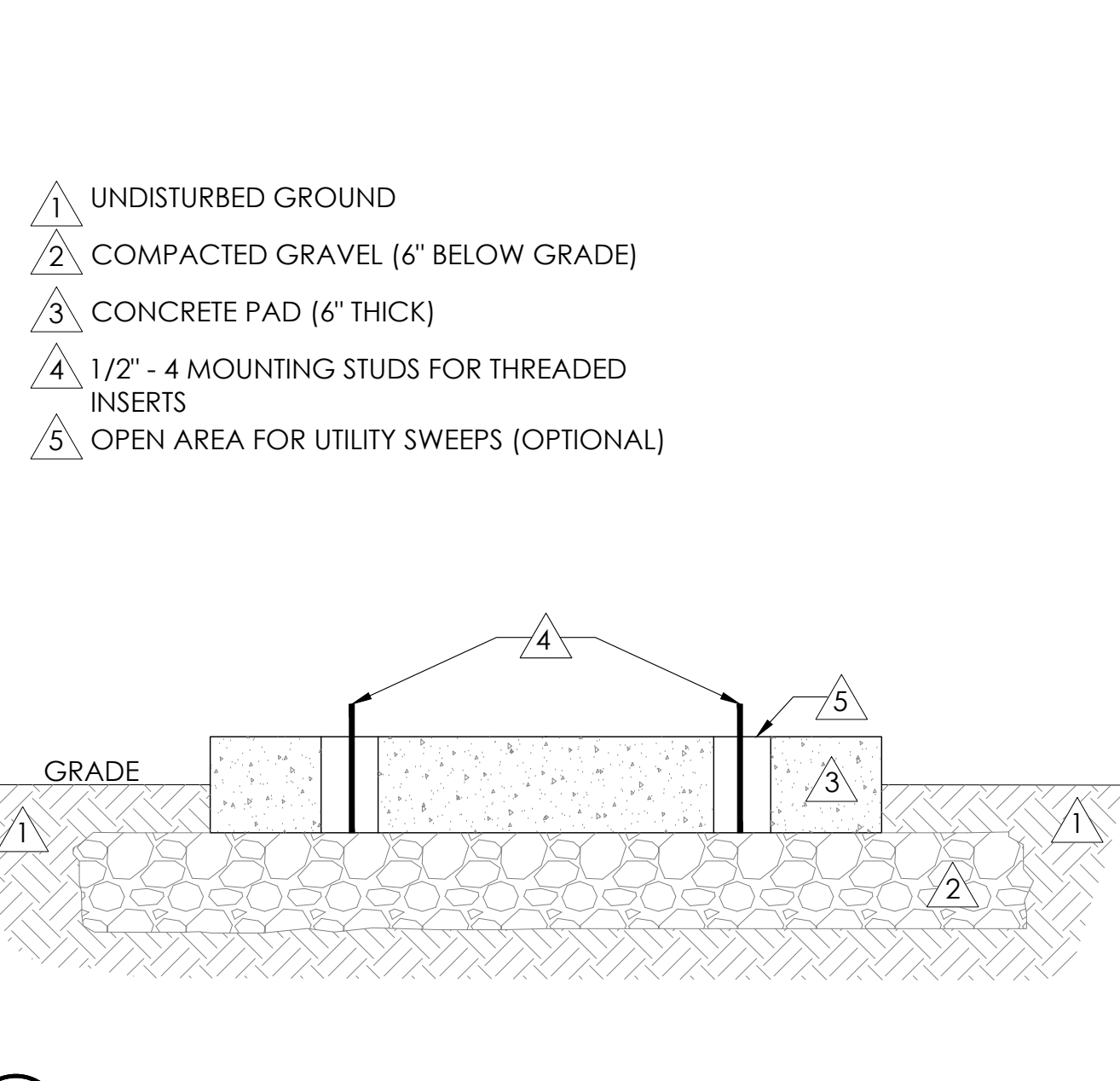
10 BOLLARD DETAIL
N.T.S.



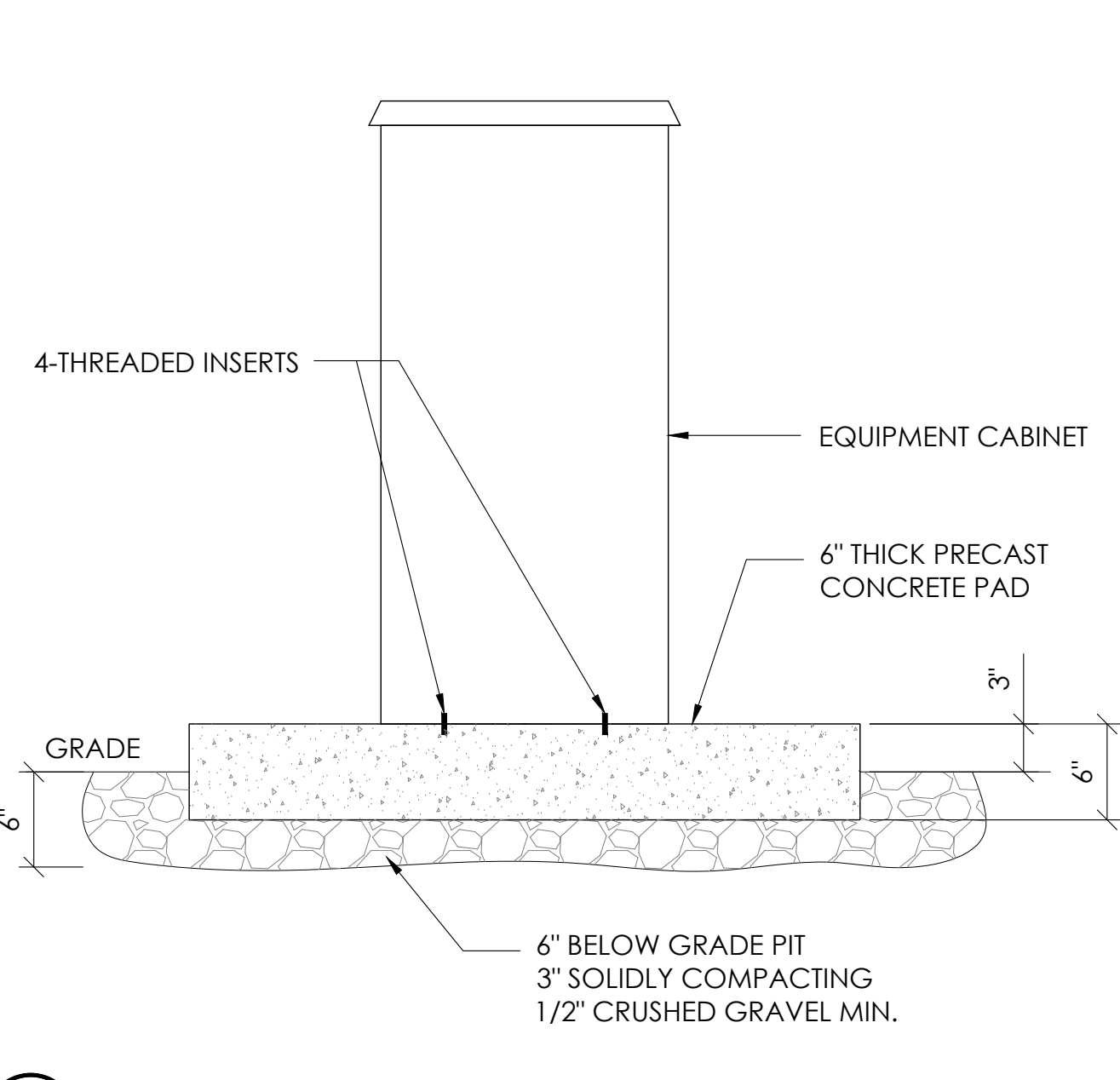
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



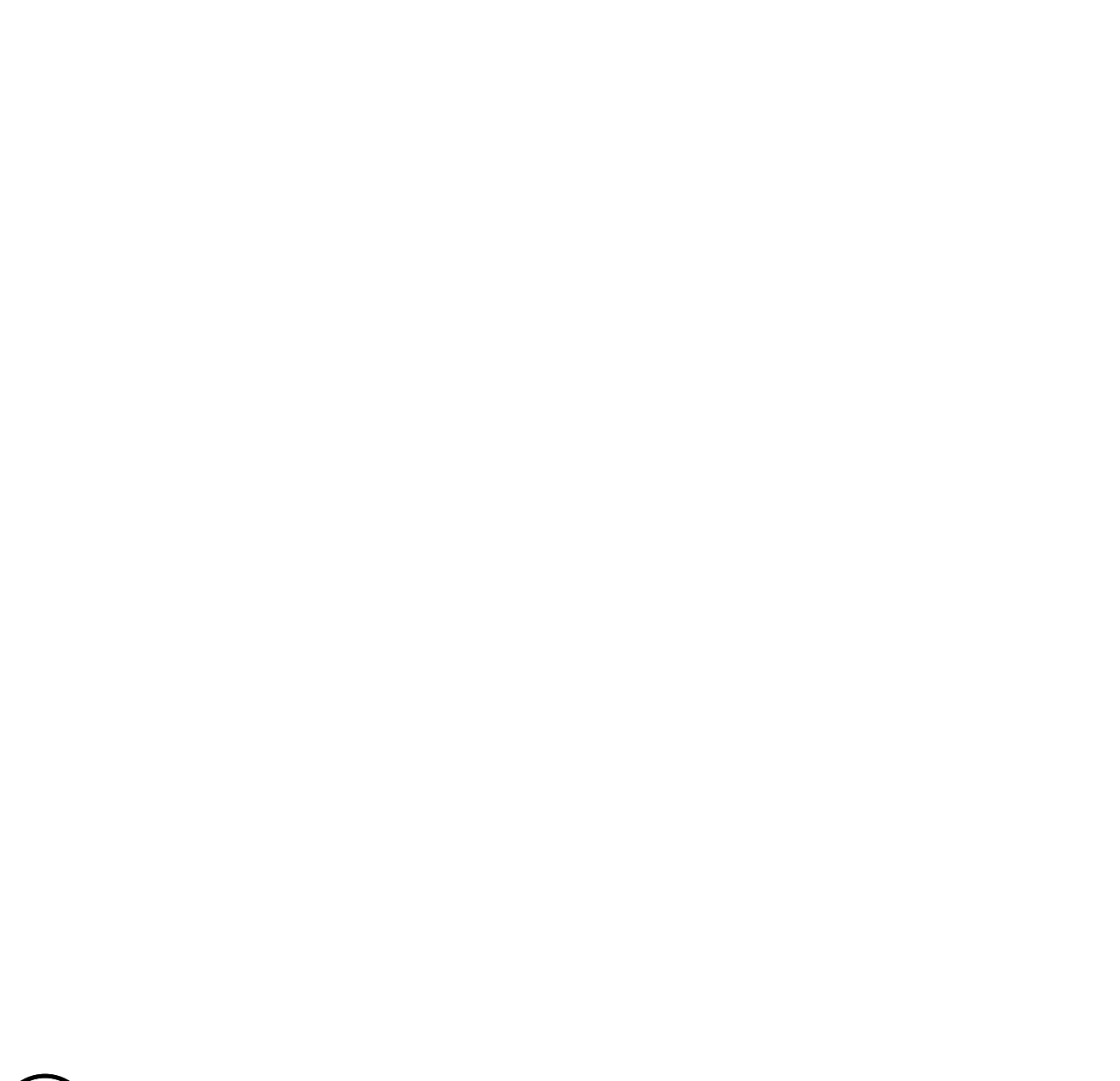
1 EROSION CONTROL FENCING
N.T.S.



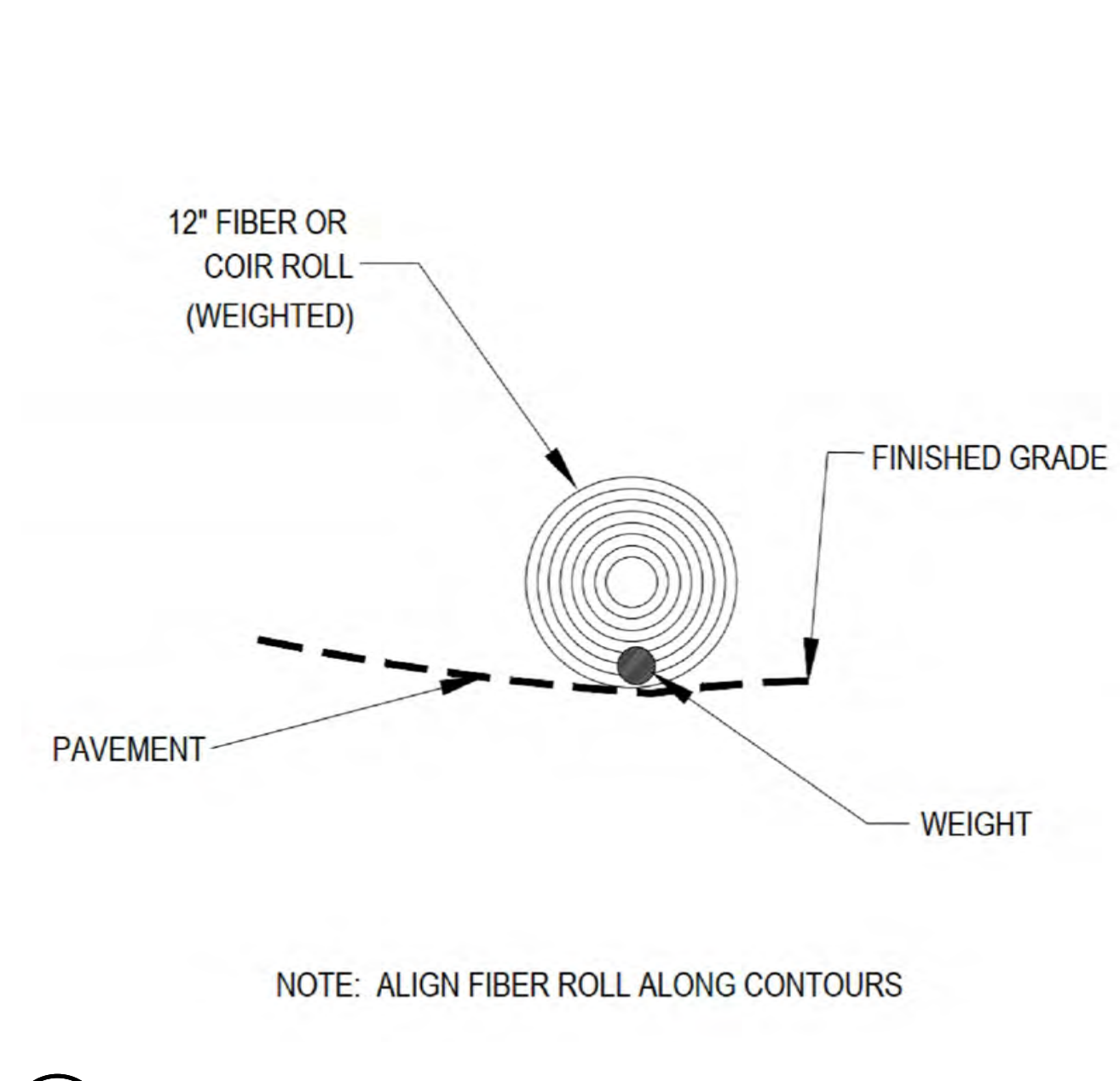
11 FOUNDATION BASE FOR PN4
N.T.S.



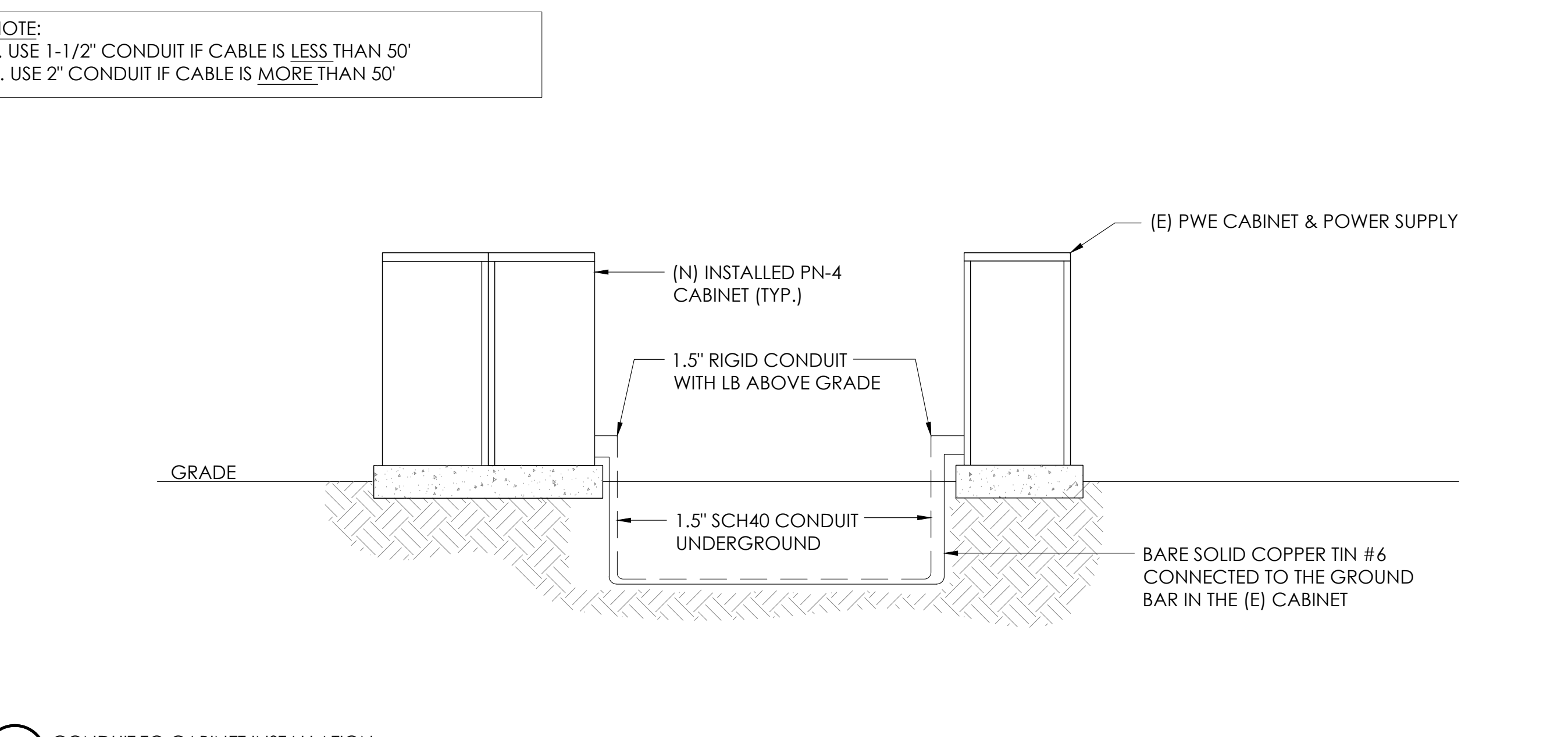
8 P4 CABINET INSTALLATION
N.T.S.



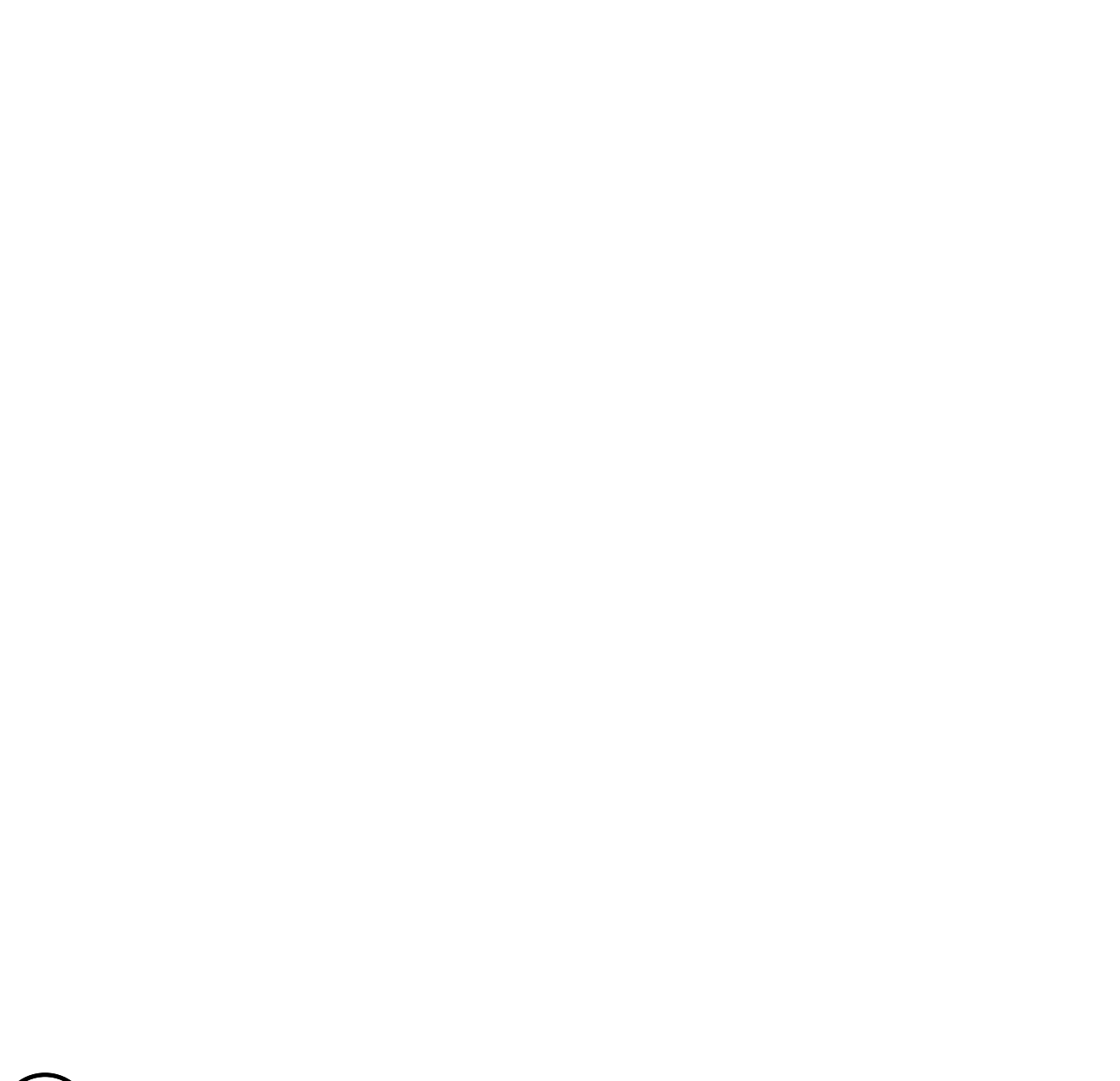
5 NOT USED
N.T.S.



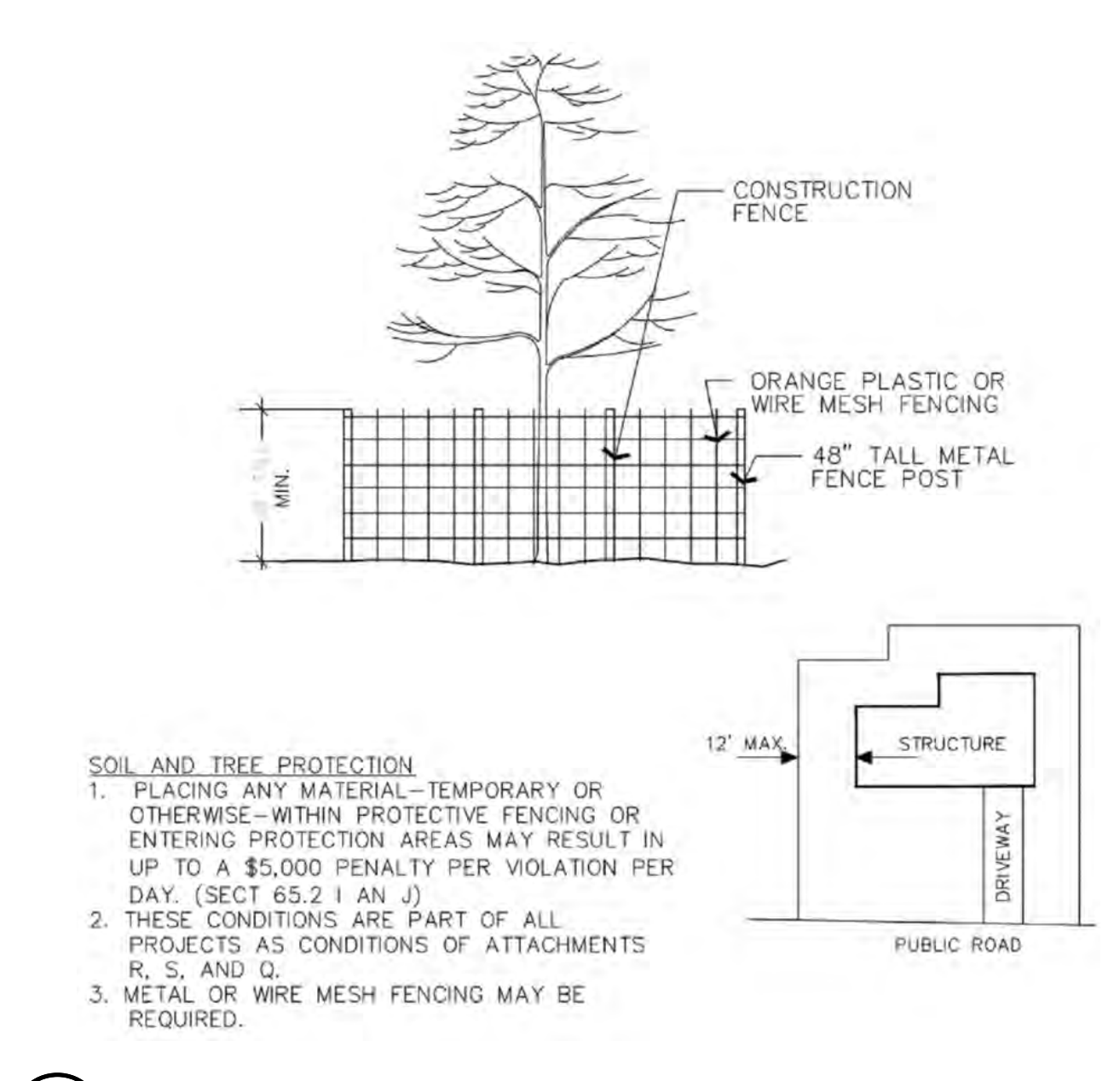
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



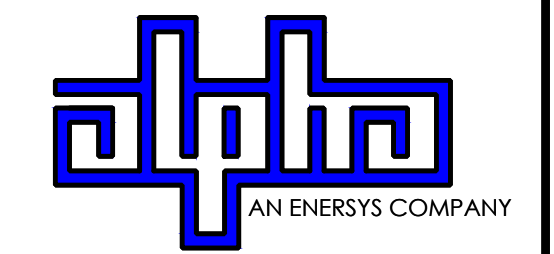
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

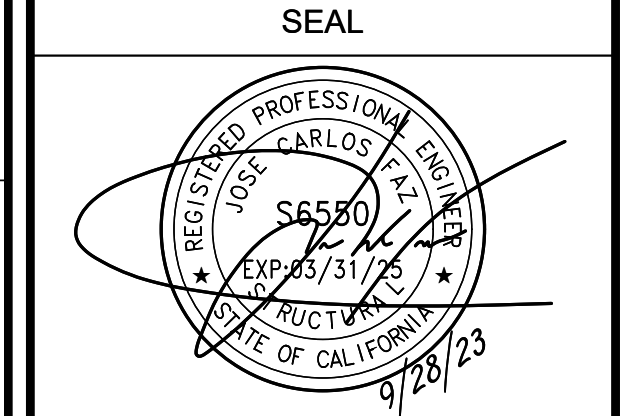
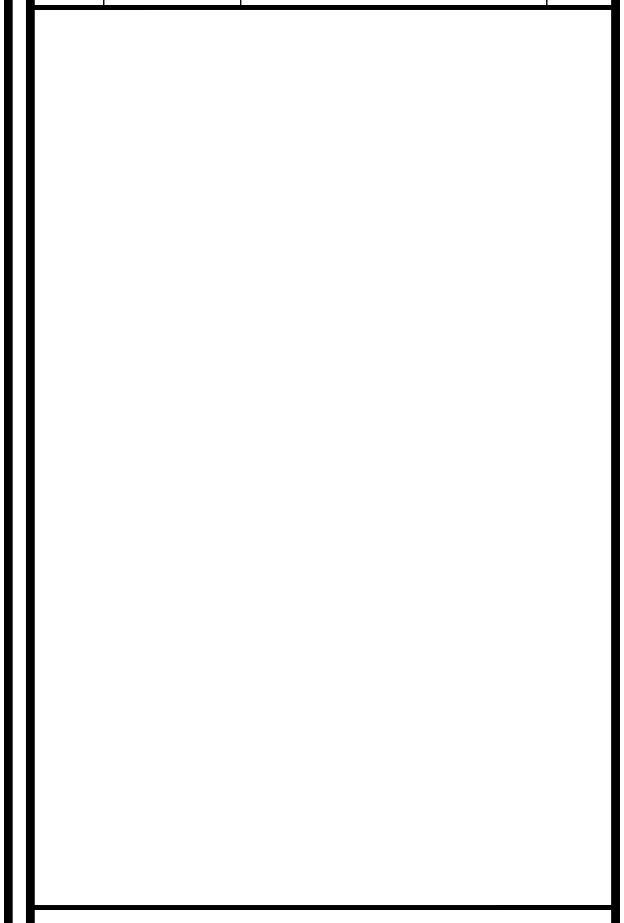


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069688

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PCC#1	DJW
2	05/23/22	100% CD REV PER PCC#1	RD
3	06/22/23	100% CD REV PER PCC#2	ES
4	09/26/23	SITE SURVEY ADD	MZ



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST122A_

SITE ADDRESS:
2463 PALMIRA AVENUE,
SOUTH LAKE TAHOE, CA
93065

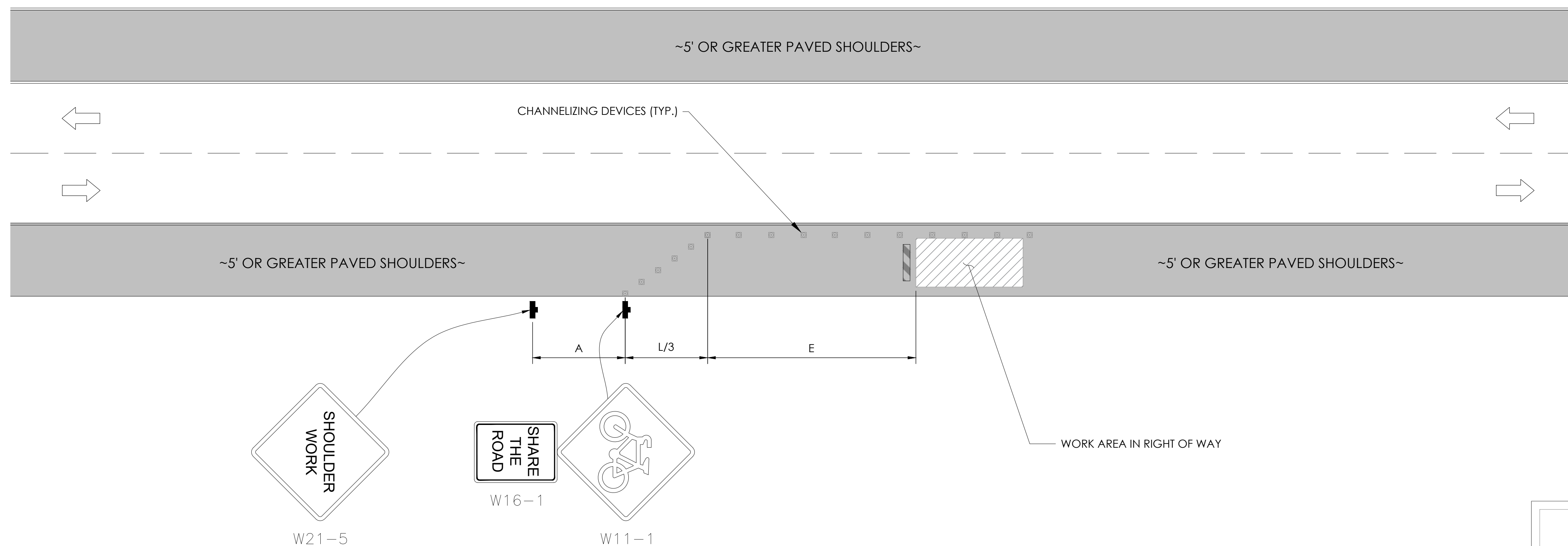
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

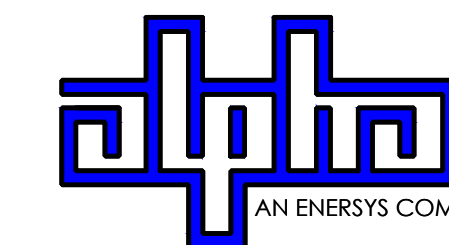
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14th EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



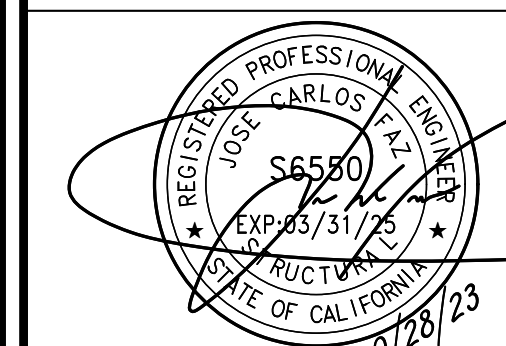
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069688

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/08/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PCC#1	DJW
2	05/23/22	100% CD REV PER PCC#1	RD
3	06/22/23	100% CD REV PER PCC#2	ES
4	09/26/23	SITE SURVEY ADD	MZ

SEAL



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST122A_

SITE ADDRESS:
2463 PALMIRA AVENUE,
SOUTH LAKE TAHOE, CA
93065

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP

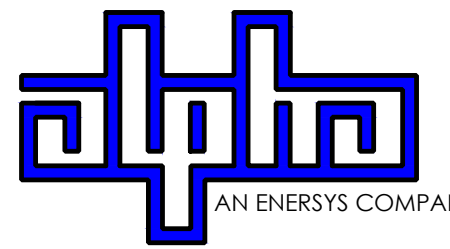


SITE ID: ST121D_A

**SITE ADDRESS:
2522 CONESTOGA,
SOUTH LAKE TAHOE, CA 96150**



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069687

2Li SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (24) (N) LITHIUM LI BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

SITE ADDRESS:	2522 CONESTOGA SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.92628748, -119.9890497
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	90
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	9
HYDRAULIC RELATED AREA:	UPPER TRUCKEE
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	1.2 C.Y.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	06/13/23	100% CD REV PER PPC#1	KB
3	09/28/23	100% CD REVISION	JG

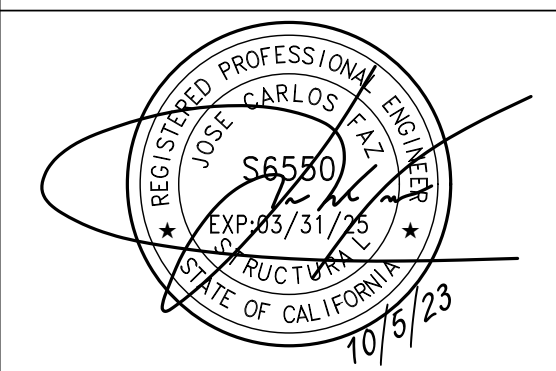
DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5p.com 23 MAULCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@energysys.com		

SEAL



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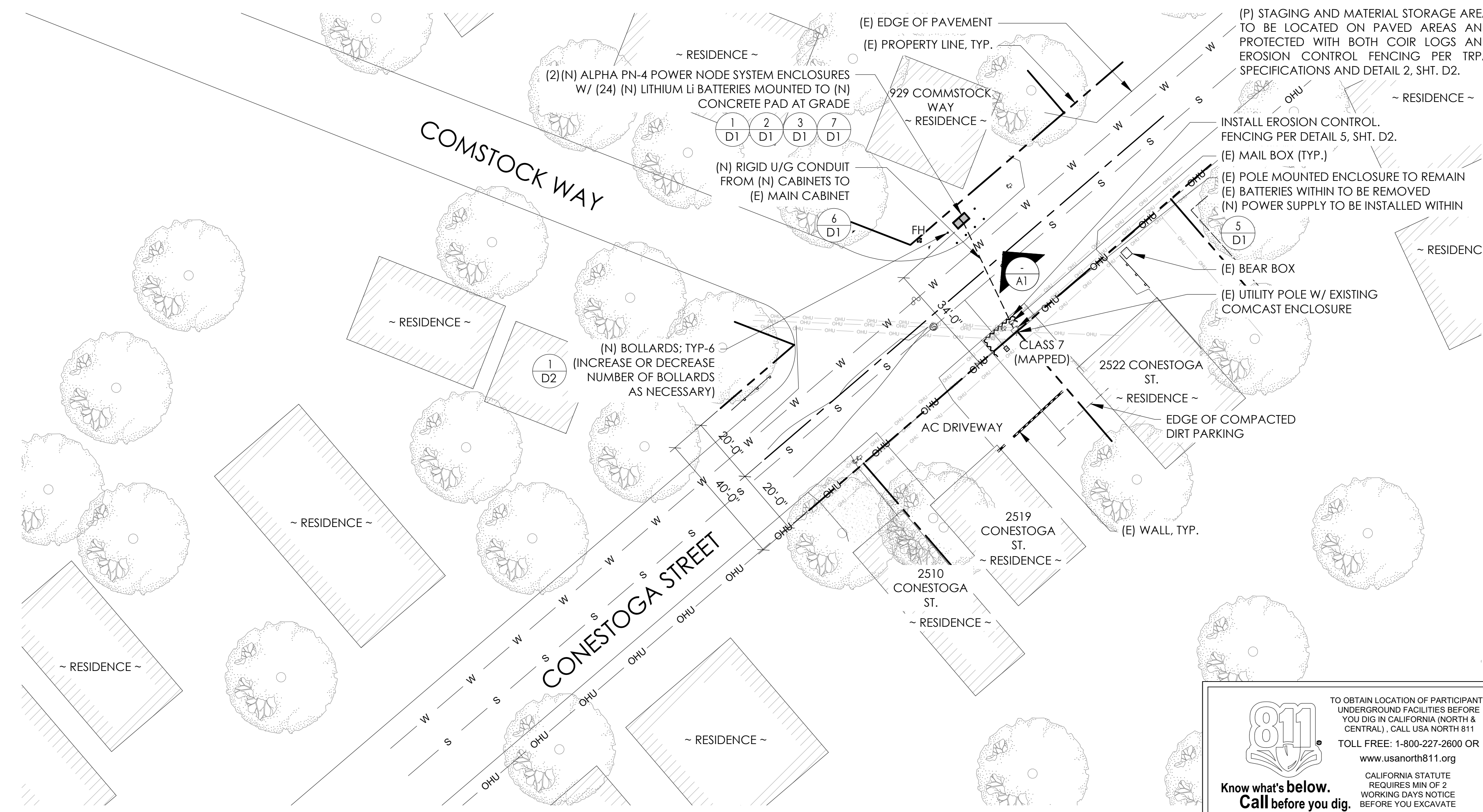
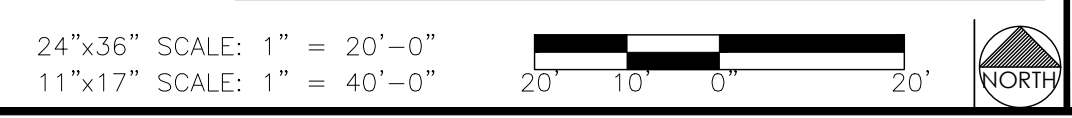
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE, 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANSII/A-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SITE PLAN

SITE INFORMATION

**SITE ID:
ST121D_A**

**SITE ADDRESS:
2522 CONESTOGA,
SOUTH LAKE TAHOE, CA
96150**

SHEET TITLE:

TITLE SHEET

T1



VICINITY MAP
N.T.S.



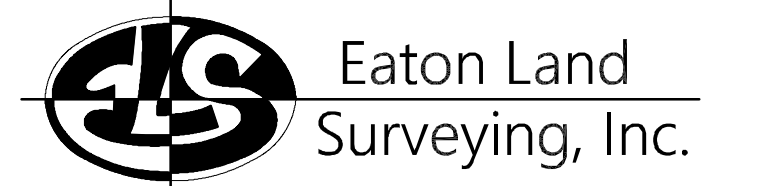
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST121A
2674 WILLIAM AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/26/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

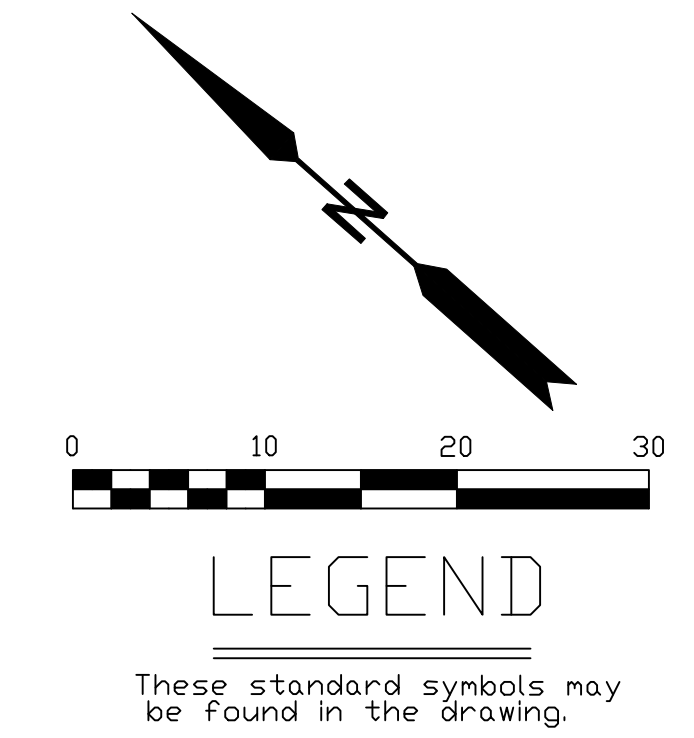
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0386F, DATED 04/03/2012.

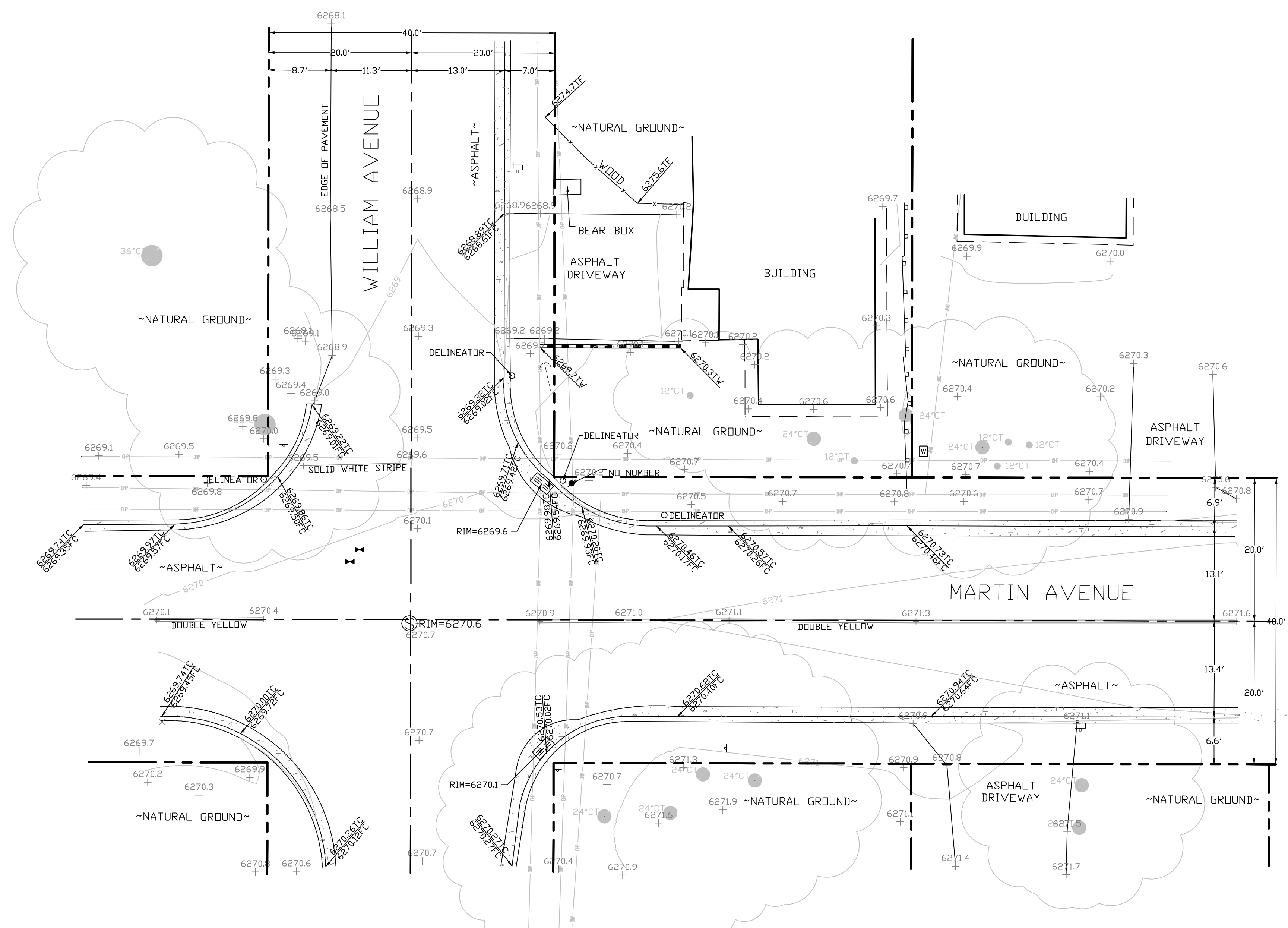
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 33 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN:: 031-132-004-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032251 DATED 08/31/2023;

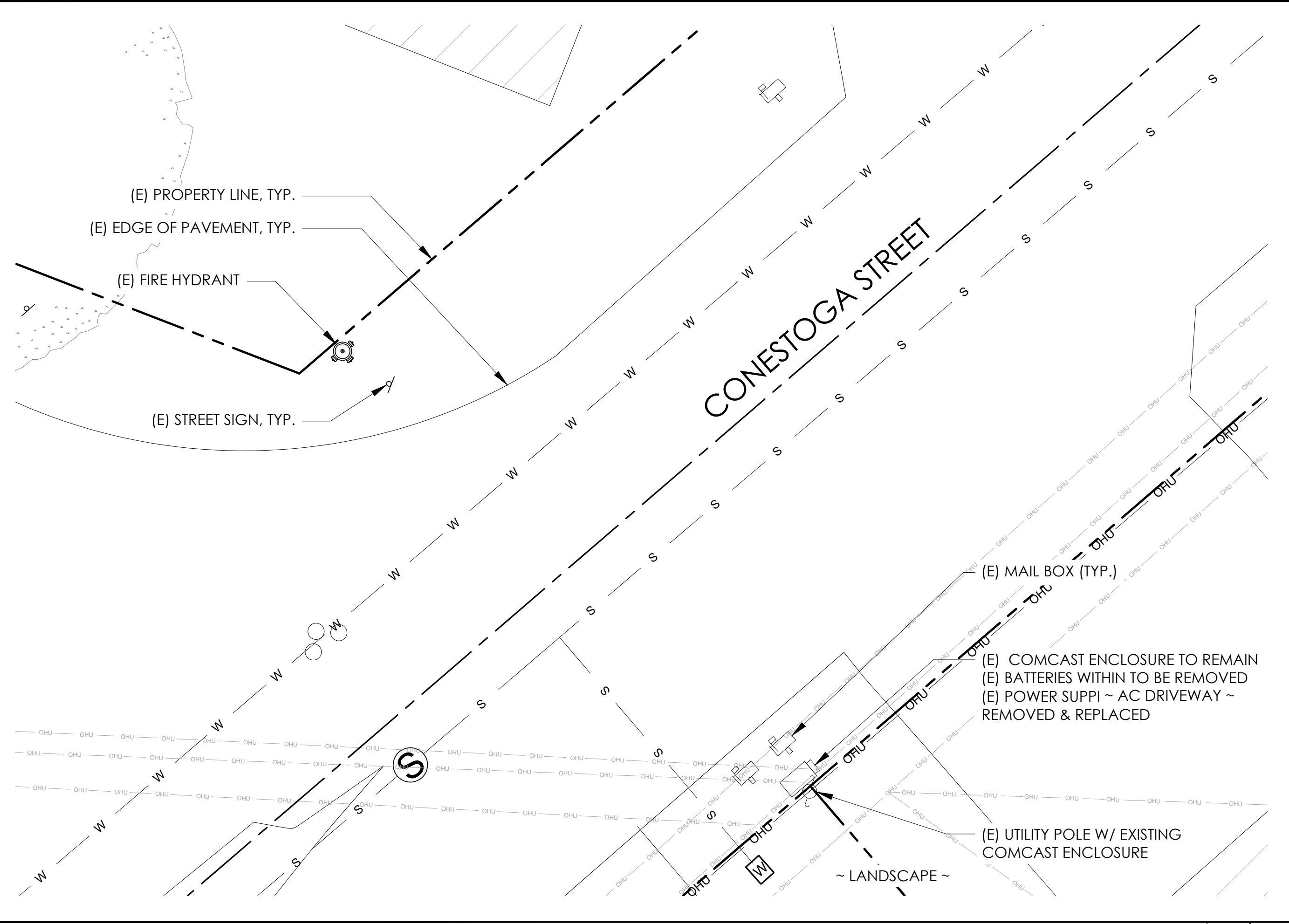


- CONCRETE
- PROPERTY LINE
- CENTER LINE
- OVERHEAD LINE
- FENCE
- HEADER
- ROOF
- WALL
- ROCK WALL
- PULLBOX ELECTRIC
- PULLBOX TELEPHONE
- PULLBOX COMMUNICATION
- WATER METER
- WATER VALVE
- POWER POLE
- ELEVATION GRADE
- GUY WIRE
- MAILBOX (MOVABLE)
- SIGN
- MANHOLE TELEPHONE
- MANHOLE SEWER
- RECTANGLE INLET
- FIRE HYDRANT
- SHRUB
- TRUNK
- CT CONIFEROUS TREE
- DT DECIDUOUS TREE
- TC TOP OF CURB
- FC FACE OF CURB
- TF TOP OF FENCE
- TW TOP OF WALL
- CD CURB DRAIN

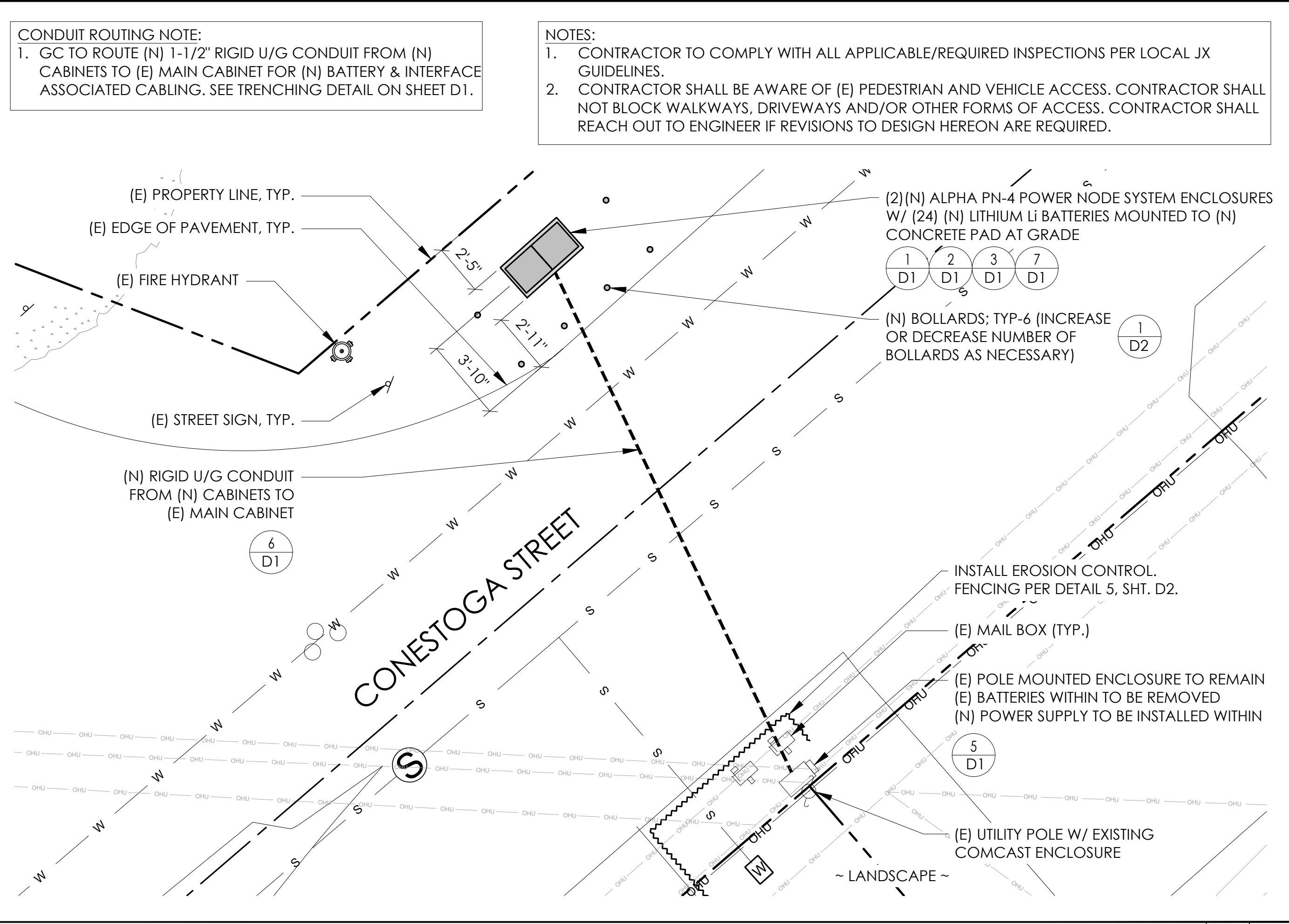


SITE SURVEY
SCALE 1"=10'

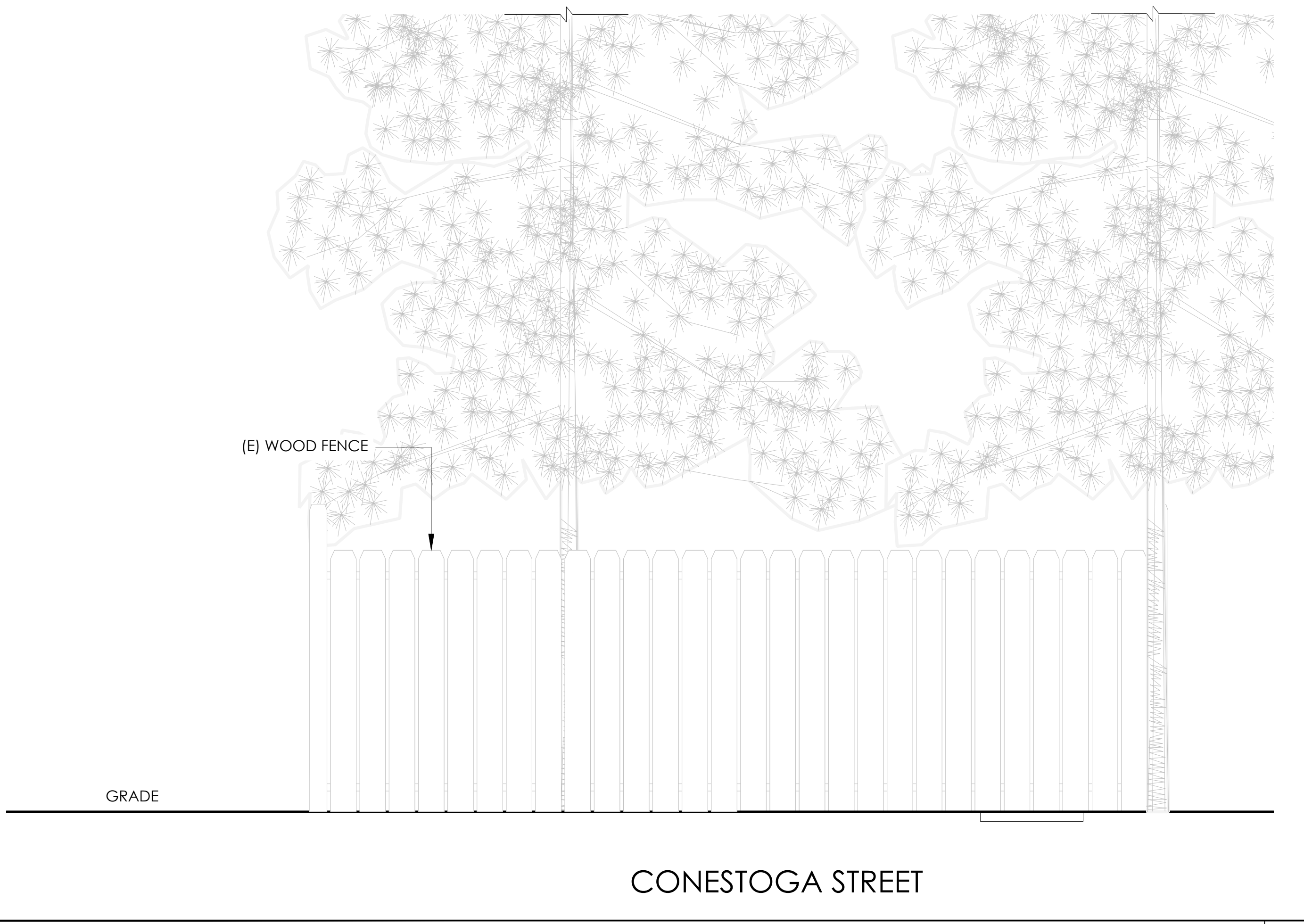




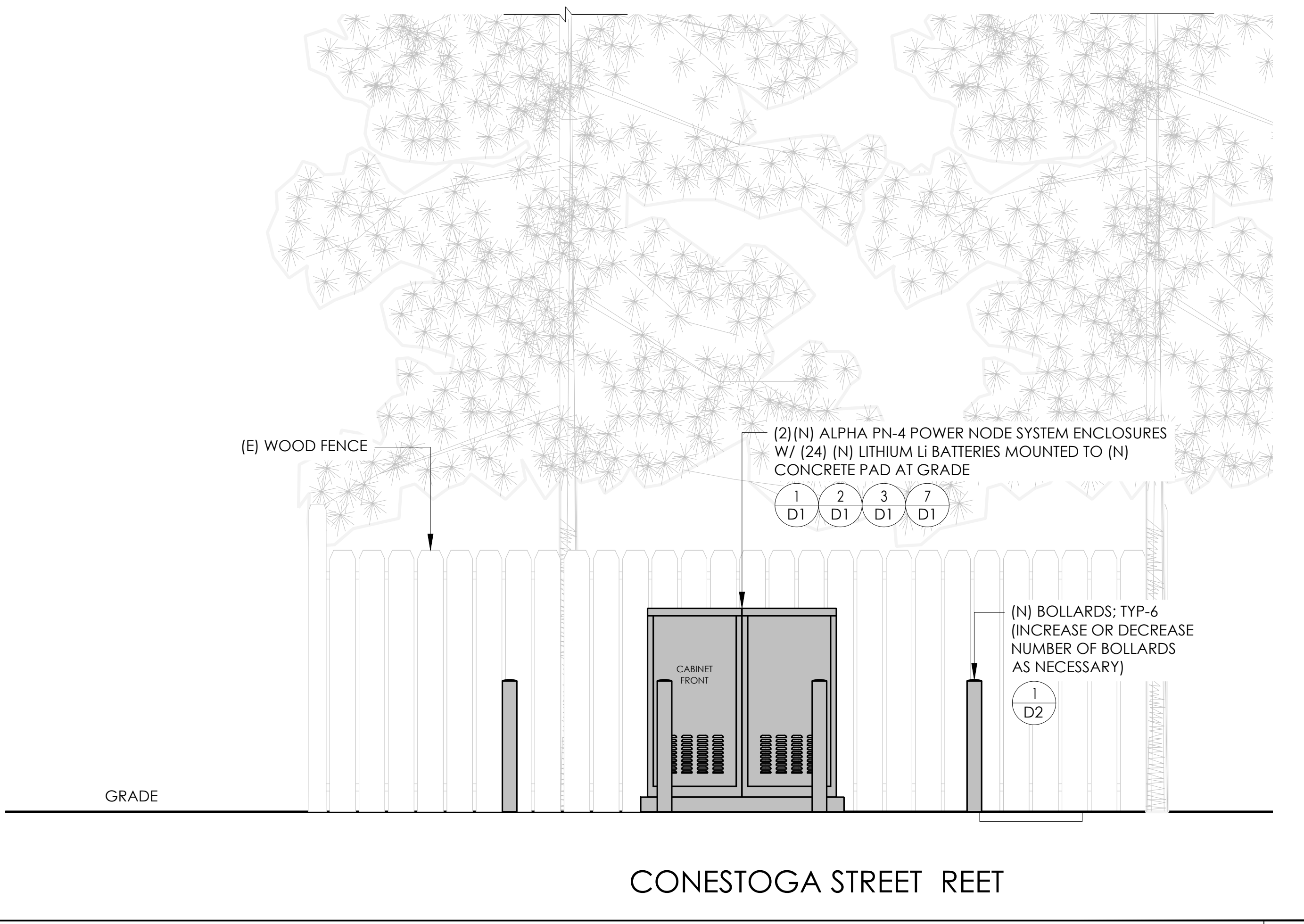
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 3/16" = 1'-0"
 11"x17" SCALE: 3/32" = 1'-0" 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 3/16" = 1'-0"
 11"x17" SCALE: 3/32" = 1'-0" 1



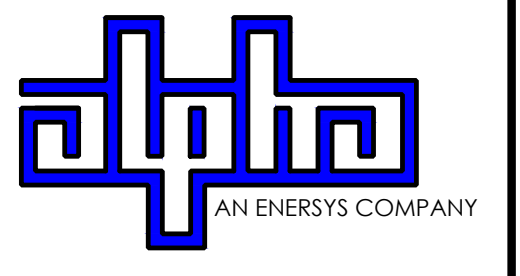
EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0" 2



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0" 1



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



3767 ALPHA WAY
 BELLINGHAM, WA 98226



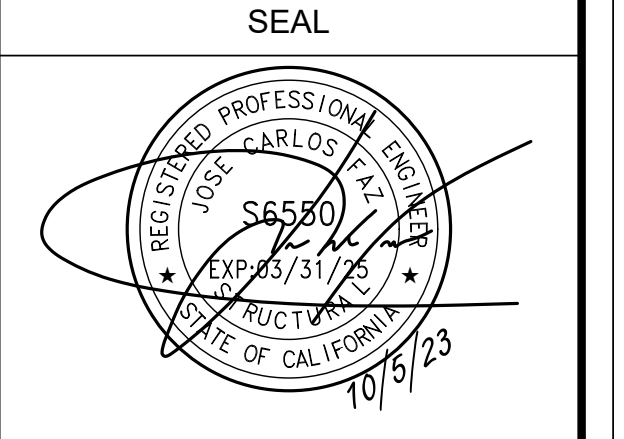
23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069687

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	06/13/23	100% CD REV PER PPC#1	KB
3	09/28/23	100% CD REVISION	JG

REV	DATE	DESCRIPTION	BY



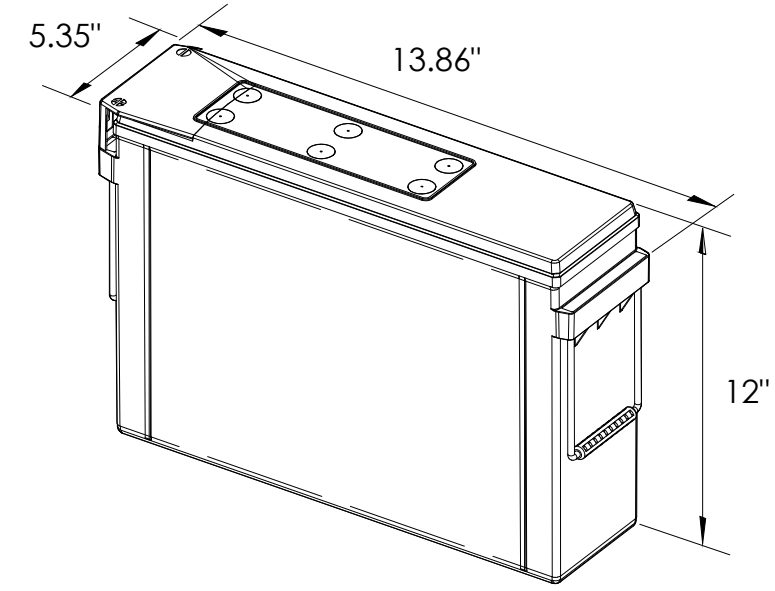
FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
 ST121D_A
 SITE ADDRESS:
 2522 CONESTOGA,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
 ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

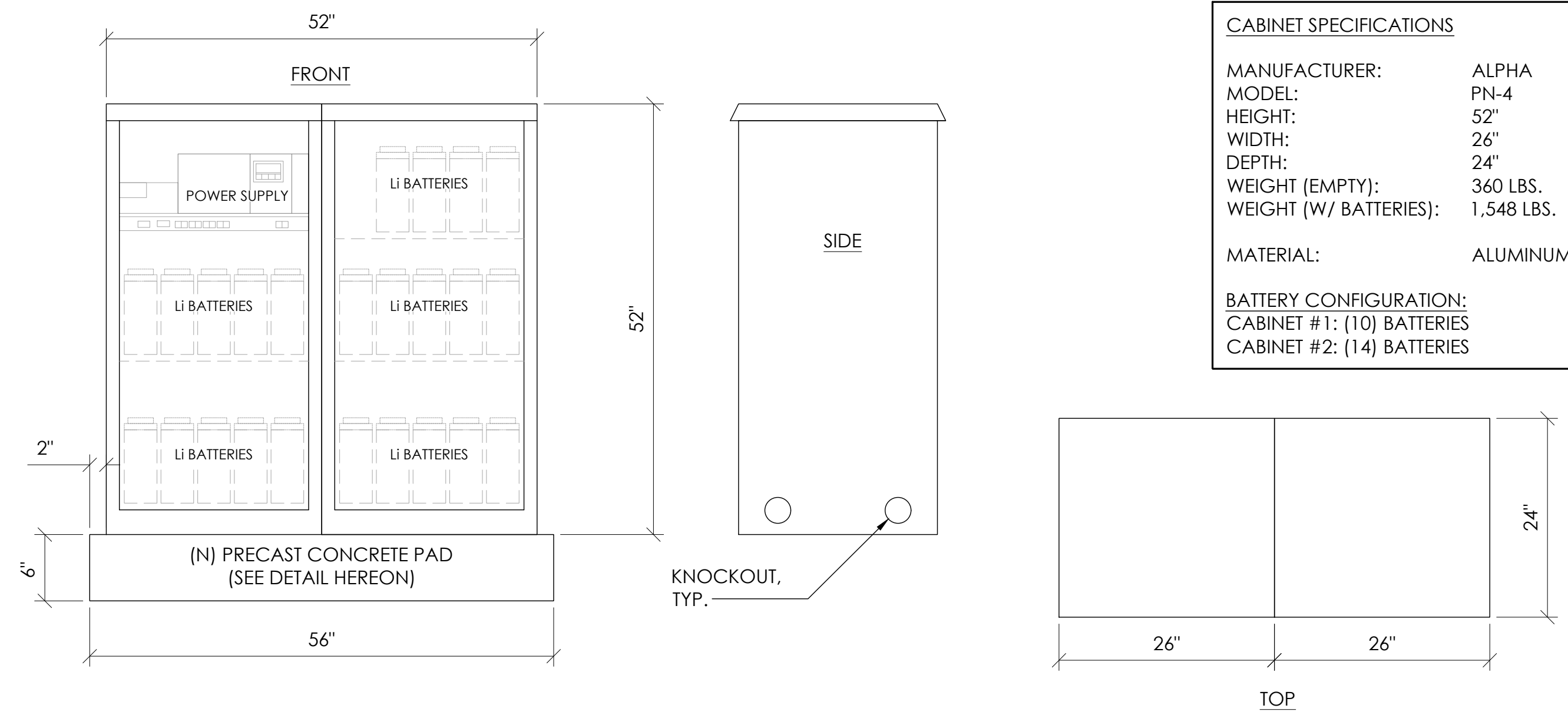
MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN
 WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS

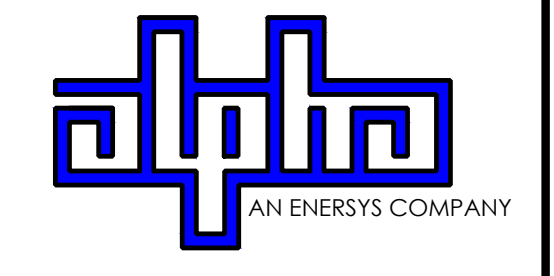
MANUFACTURER: ALPHA
 MODEL: PN-4
 HEIGHT: 52"
 WIDTH: 26"
 DEPTH: 24"
 WEIGHT (EMPTY): 360 LBS.
 WEIGHT (W/ BATTERIES): 1,548 LBS.
 MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
 CABINET #1: (10) BATTERIES
 CABINET #2: (14) BATTERIES

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



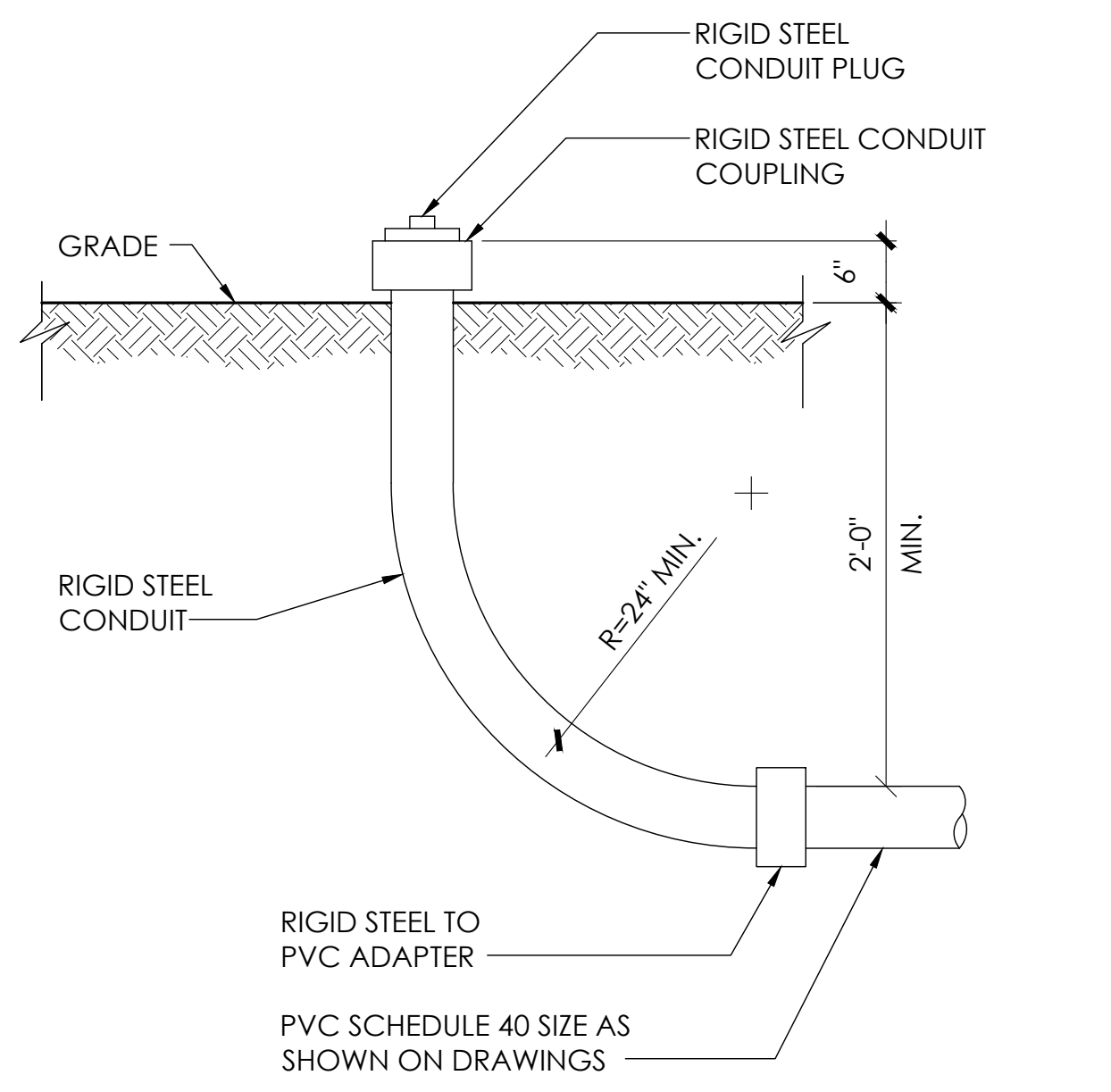
3767 ALPHA WAY
 BELLINGHAM, WA 98226



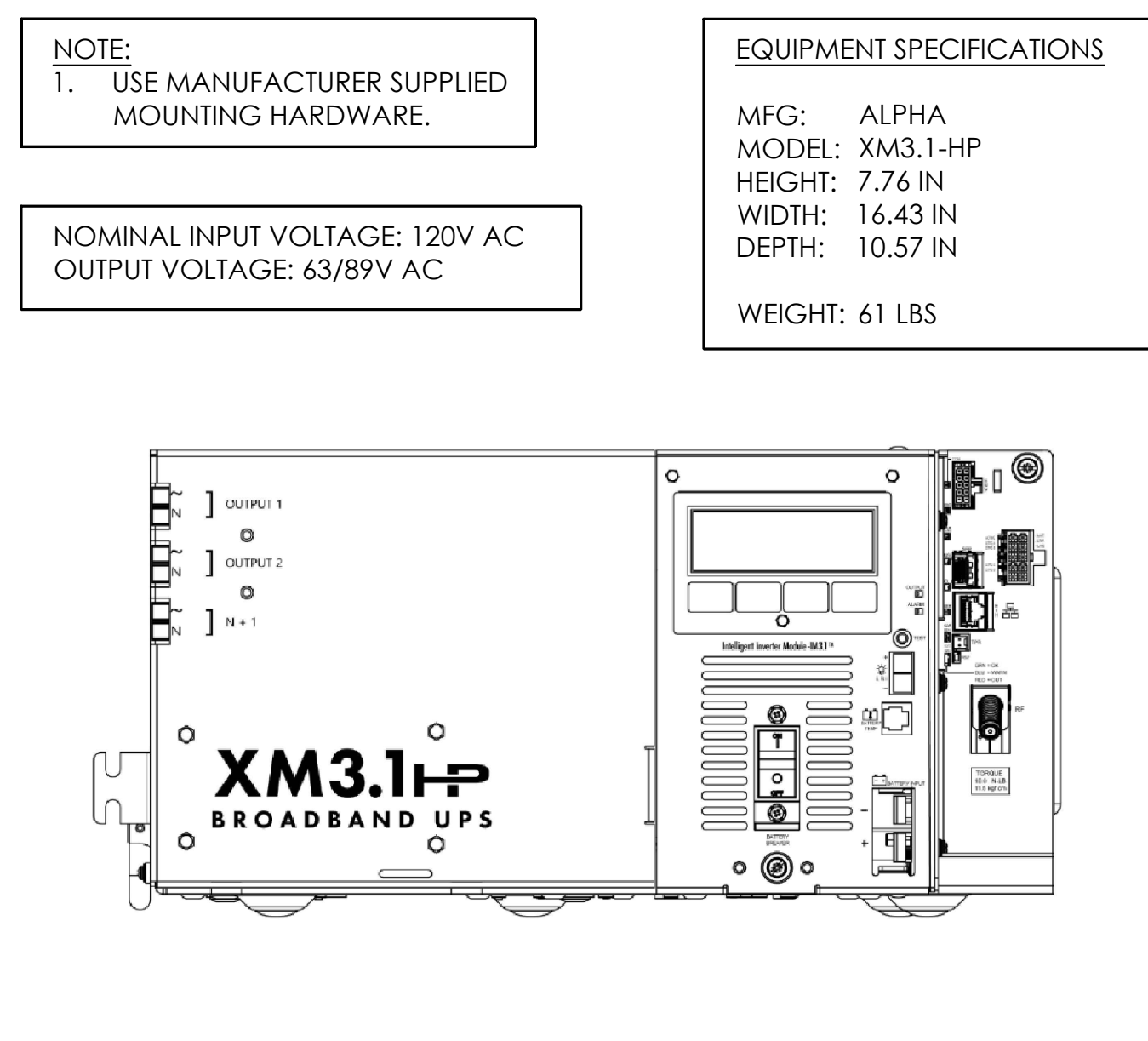
23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069687

ISSUE STATUS

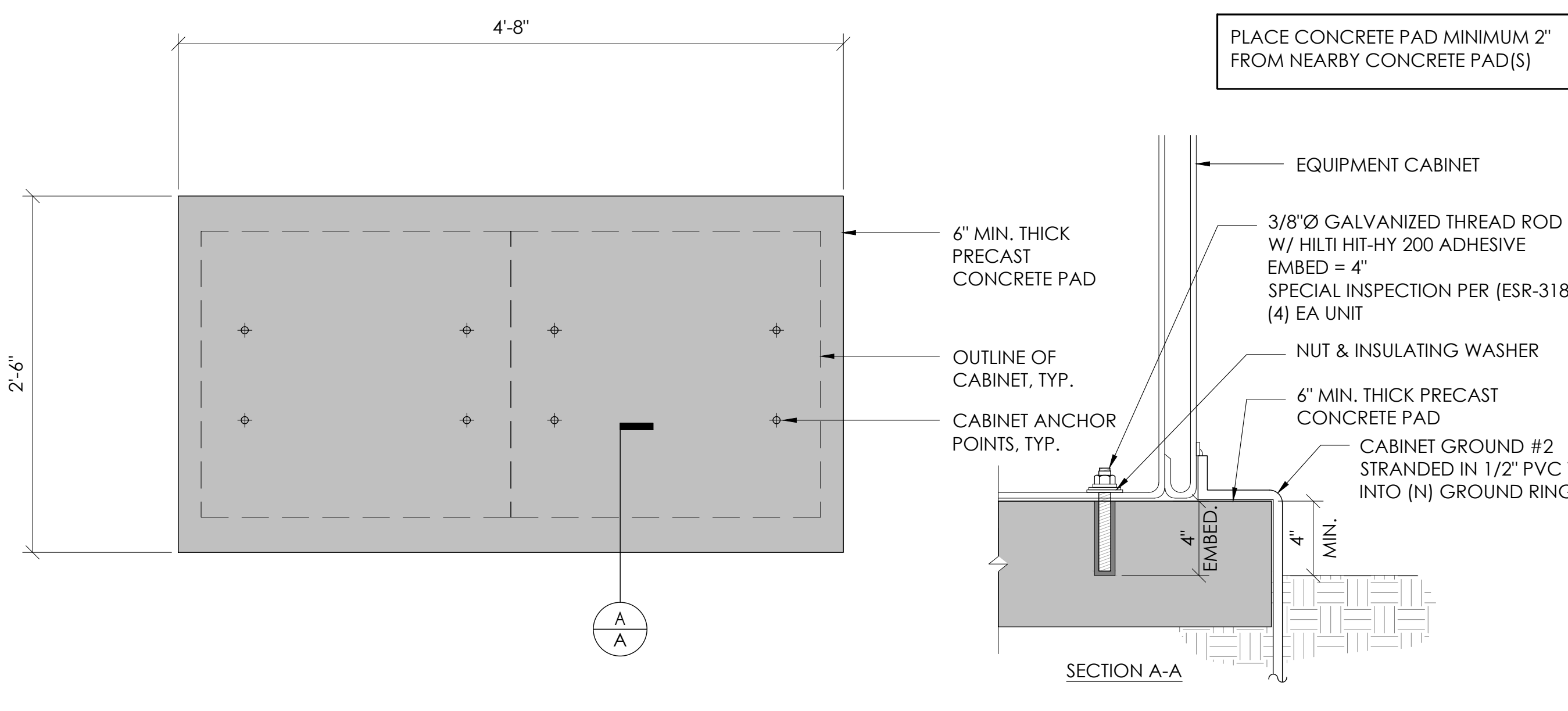
REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	06/13/23	100% CD REV PER PPC#1	KB
3	09/28/23	100% CD REVISION	JG



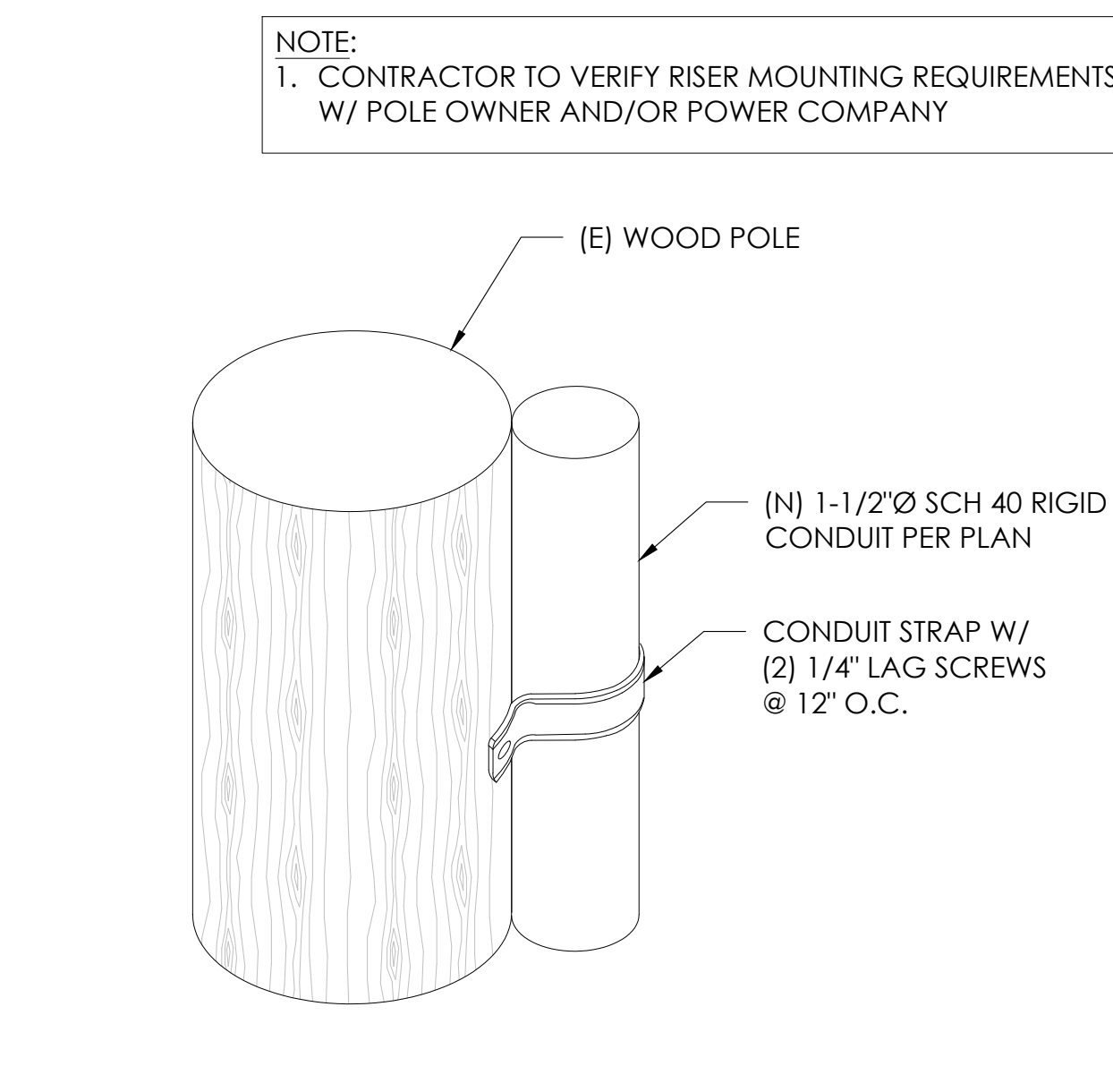
8 STUB-UP DETAIL
N.T.S.



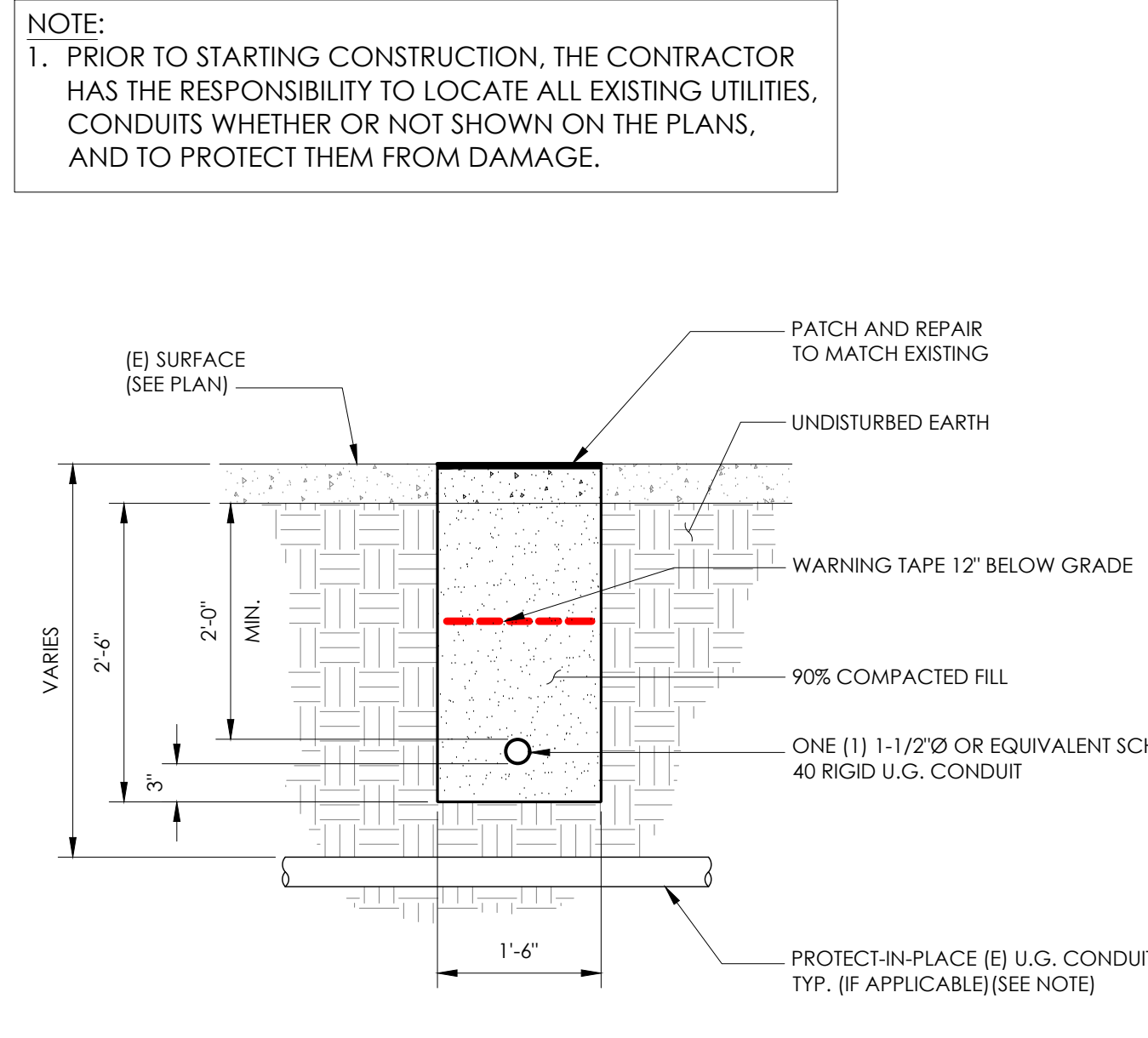
5 POWER SUPPLY DETAIL
N.T.S.



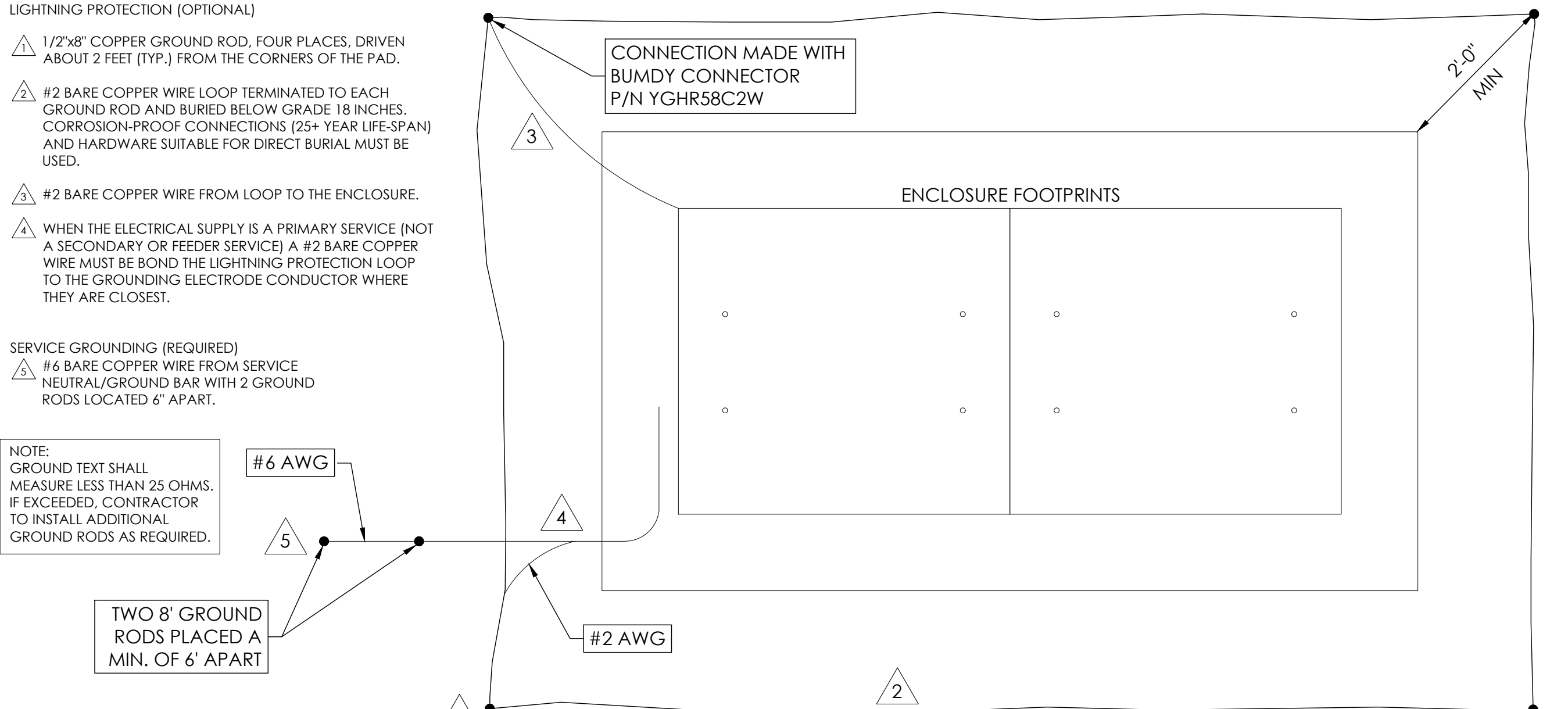
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



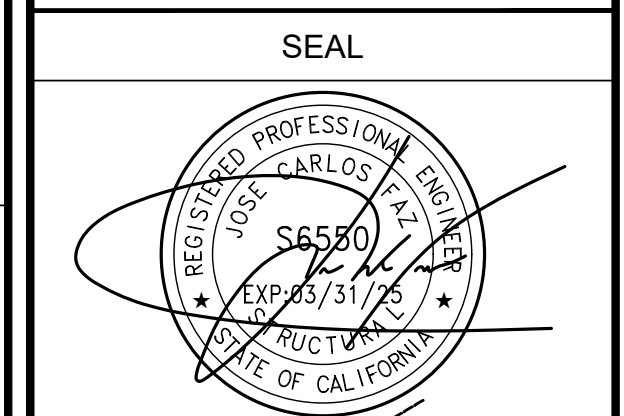
9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST121D_A

SITE ADDRESS:
 2522 CONESTOGA,
 SOUTH LAKE TAHOE, CA
 96150

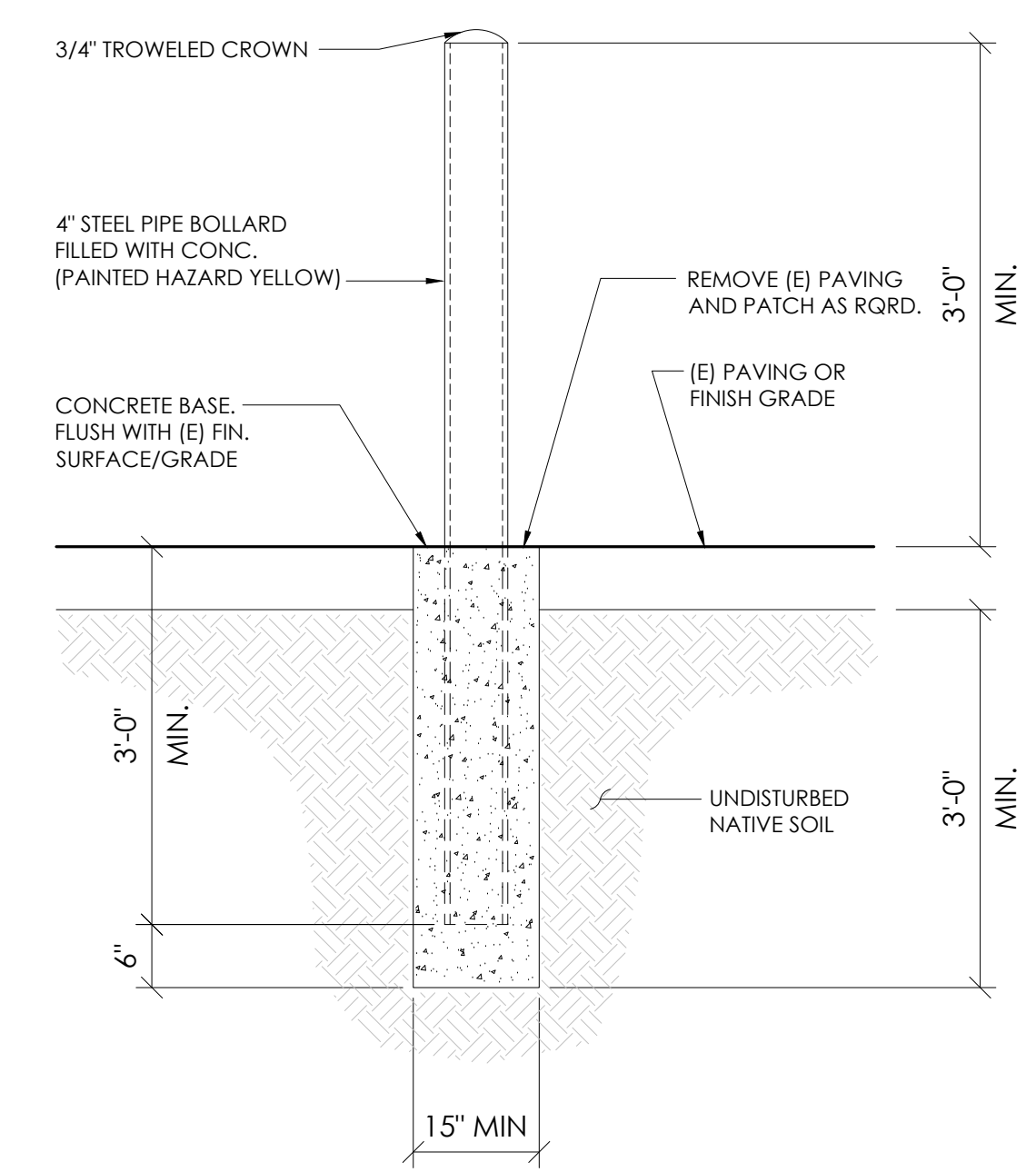
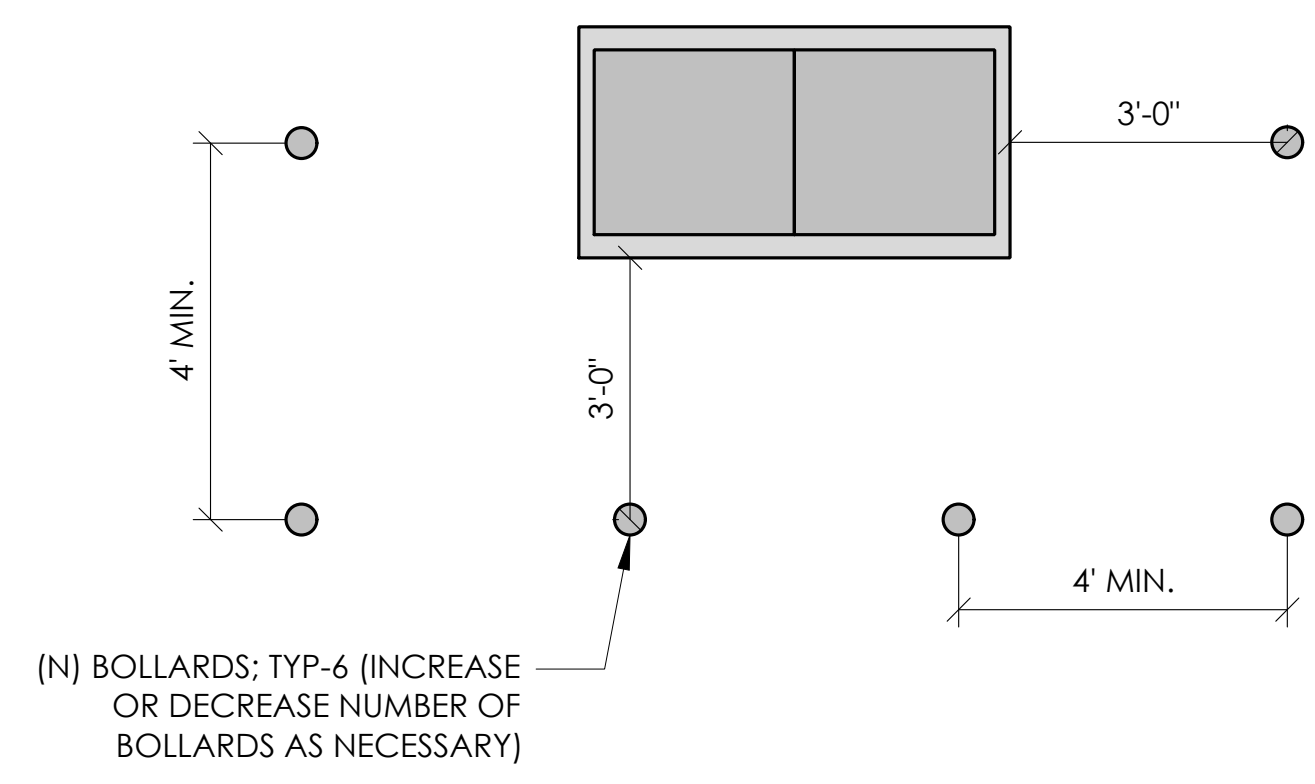
SHEET TITLE:
DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

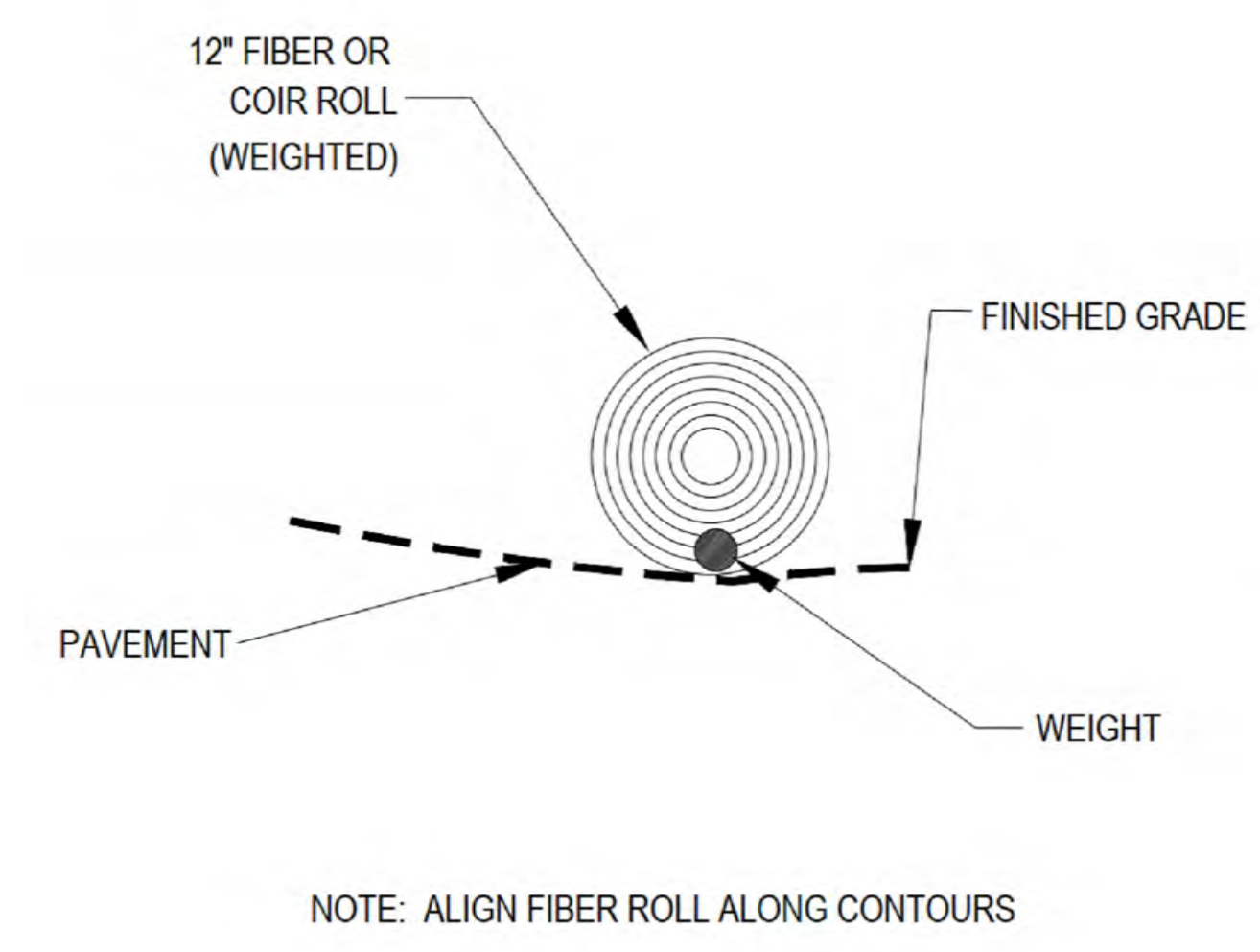
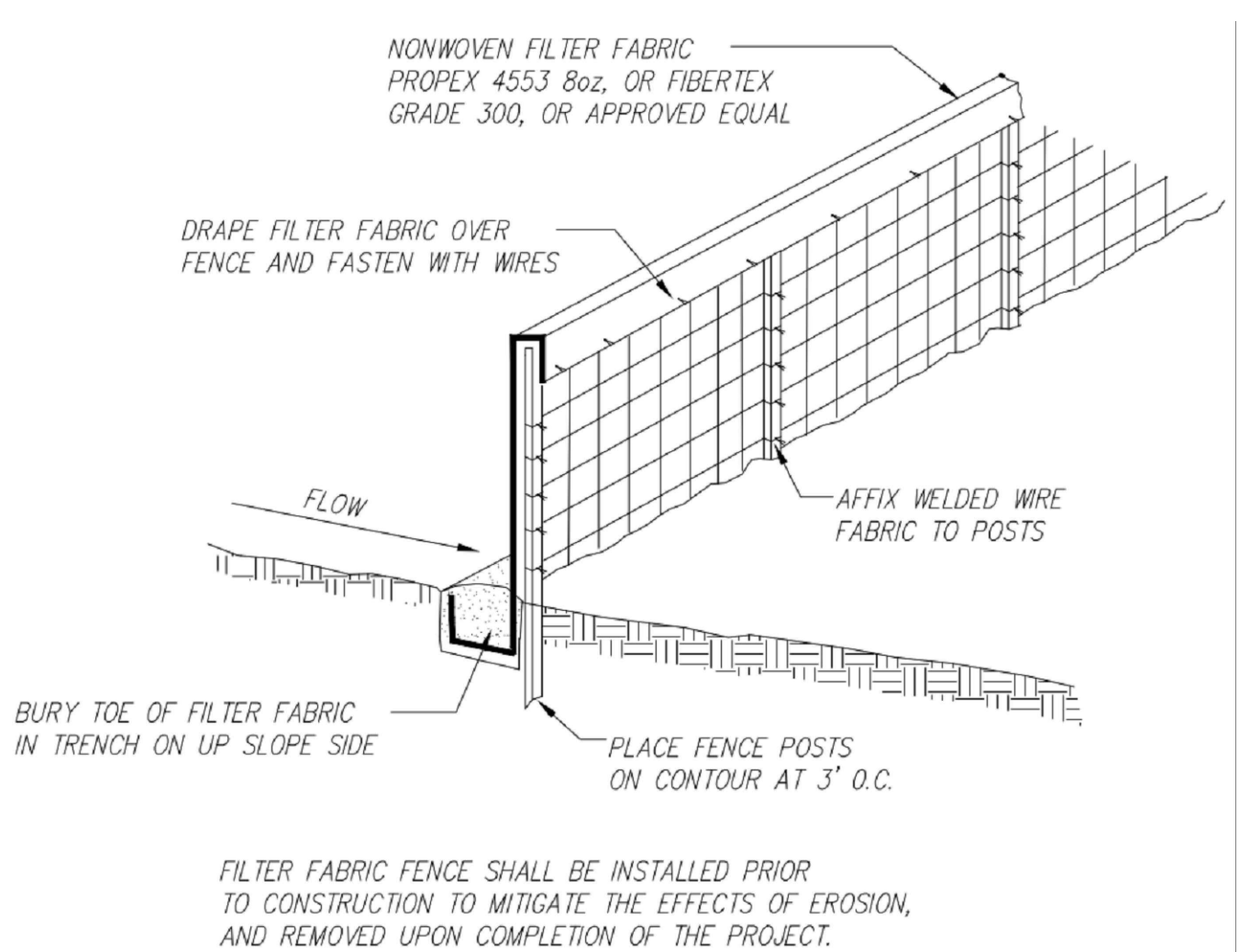
1 BOLLARD DETAIL
N.T.S.



11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

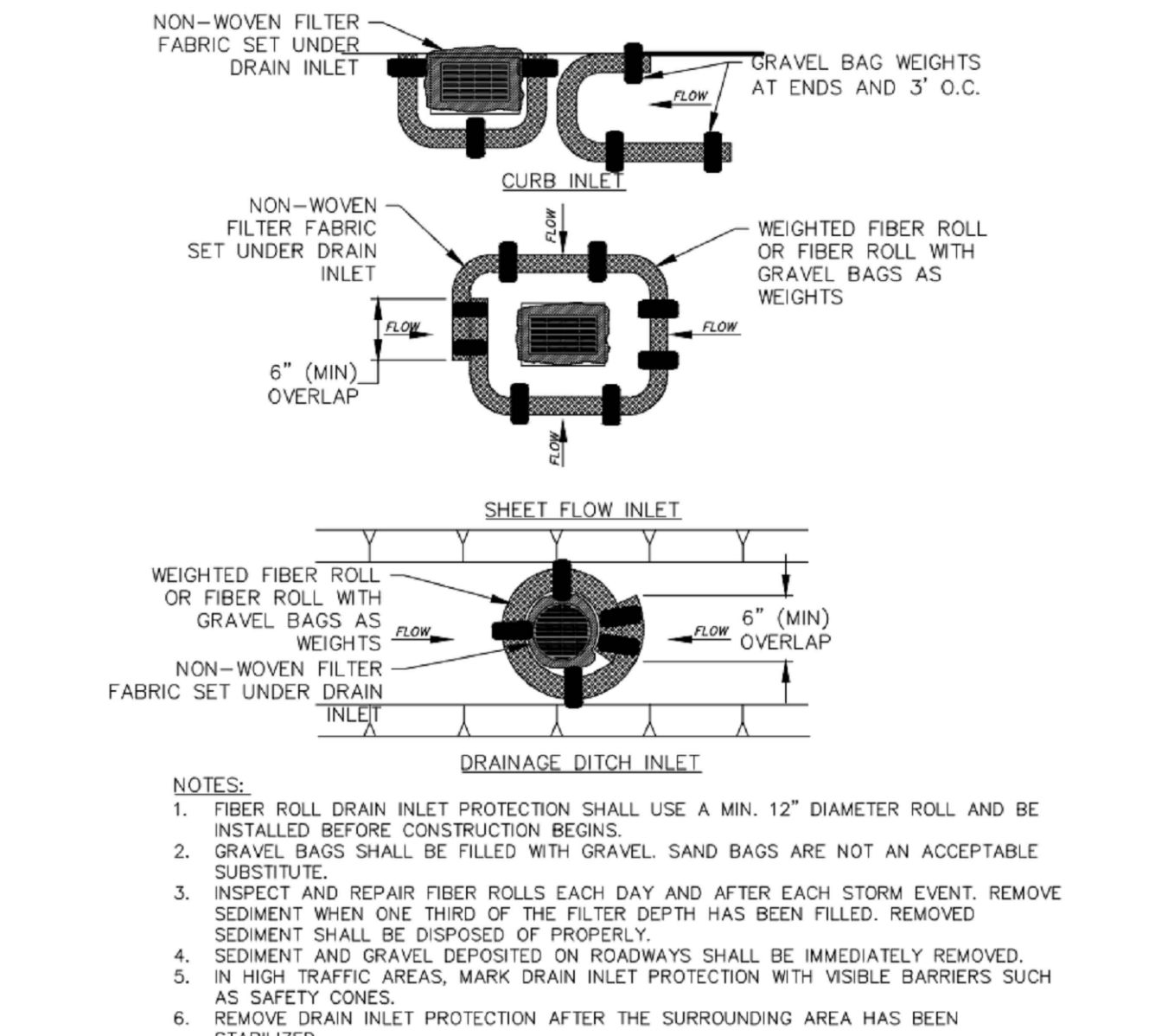
5 EROSION CONTROL FENCING
N.T.S.



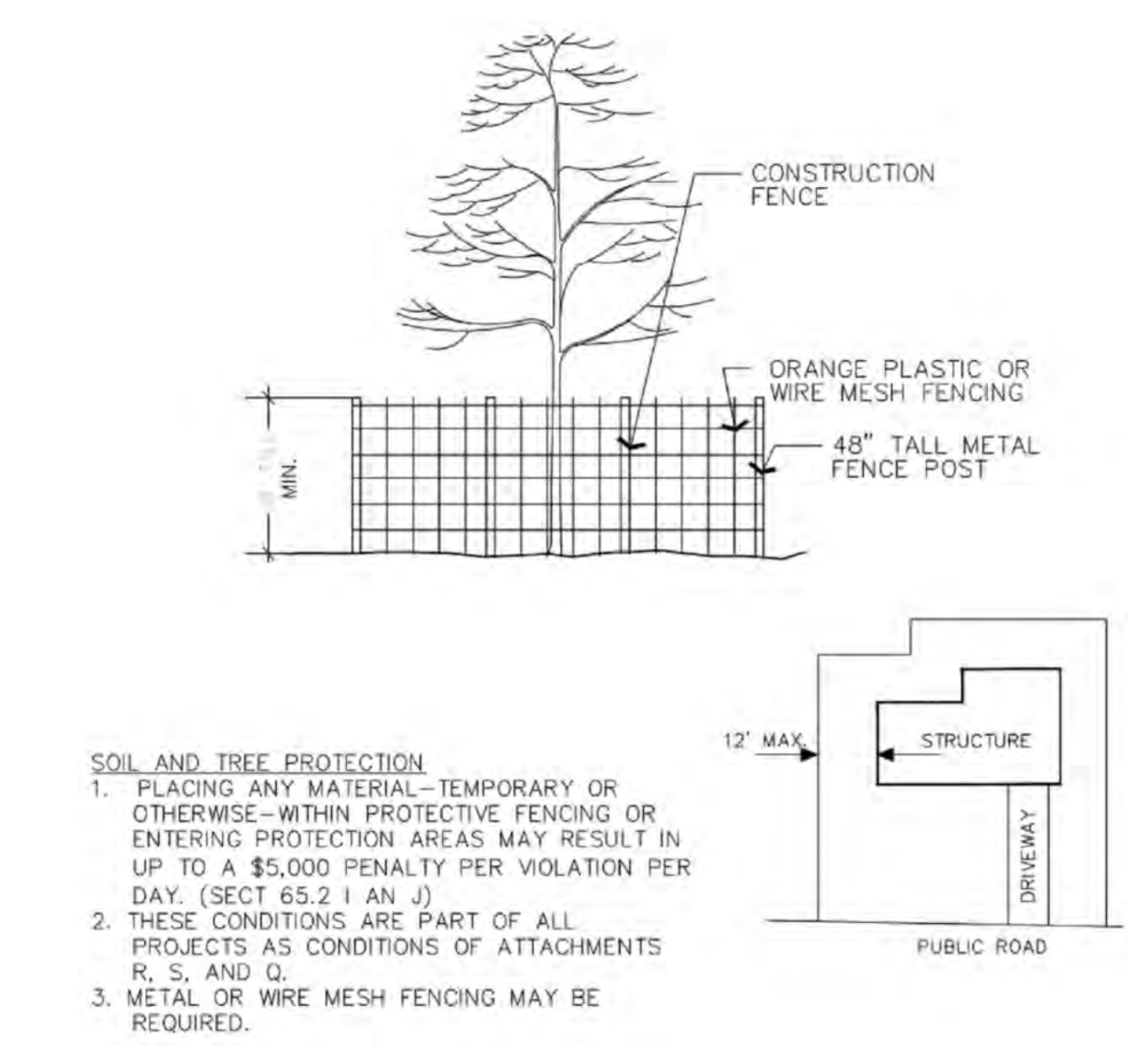
12 NOT USED
N.T.S.

9 NOT USED
N.T.S.

6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



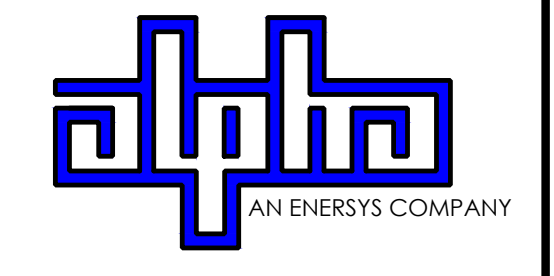
2 WEIGHTED COIR LOGS
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

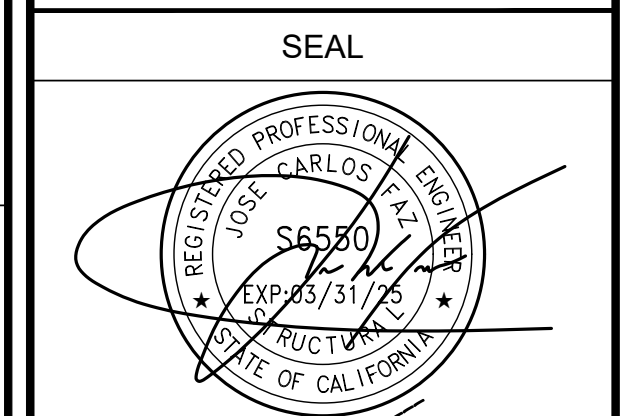


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069687

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	06/13/23	100% CD REV PER PPC#1	KB
3	09/28/23	100% CD REVISION	JG



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST121D_A

SITE ADDRESS:
2522 CONESTOGA,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

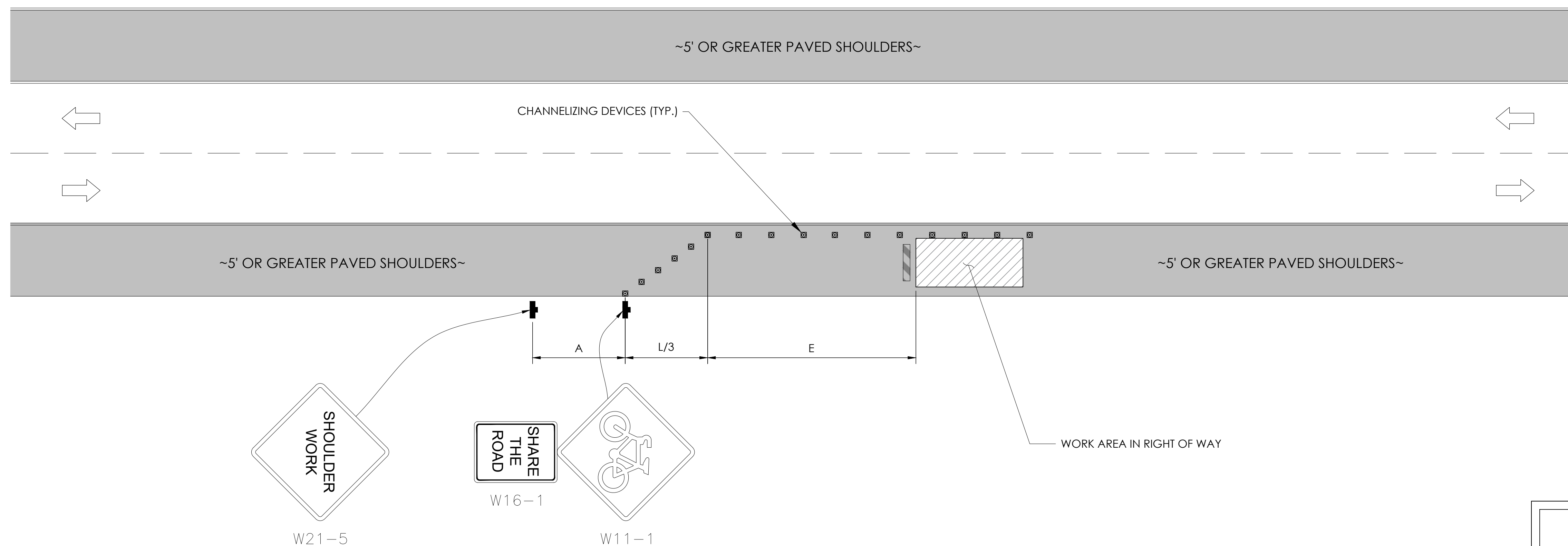
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

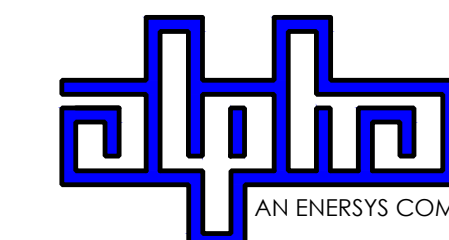
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



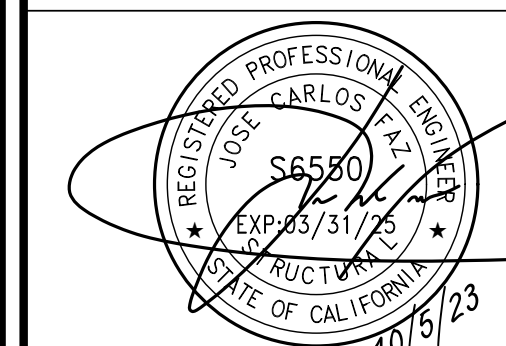
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069687

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	06/13/23	100% CD REV PER PPC#1	KB
3	09/28/23	100% CD REVISION	JG

SEAL



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SITE INFORMATION

SITE ID:
ST121D_A

SITE ADDRESS:
2522 CONESTOGA,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST121A_

SITE ADDRESS: 2674 WILLIAM AVE, SOUTH LAKE TAHOE, CA 93065

SITE INFORMATION

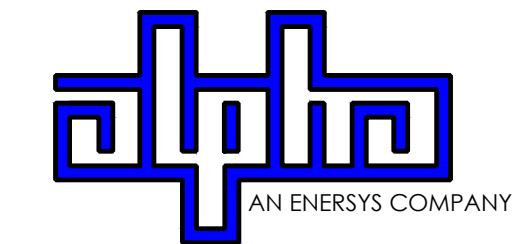
Table with site information including address, coordinates, jurisdiction, power provider, structure type, output voltage spec, input voltage spec, amp draw, hydraulic related area, coverage, and cut/fill volume.

2B SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069685

ISSUE STATUS

Table with issue status including revision number, date, description, and by.

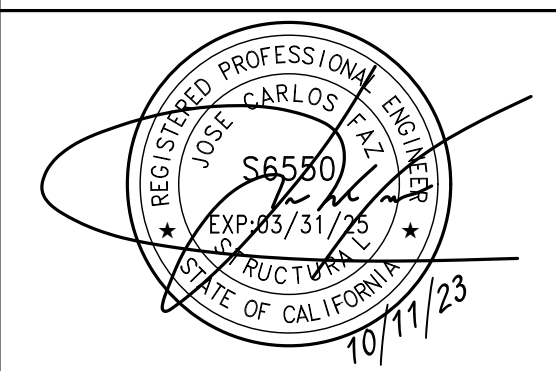
DRAWING INDEX

Table with drawing index including sheet number and description.

PROJECT TEAM

Table with project team information including owner, engineer/architect, and applicant.

SEAL

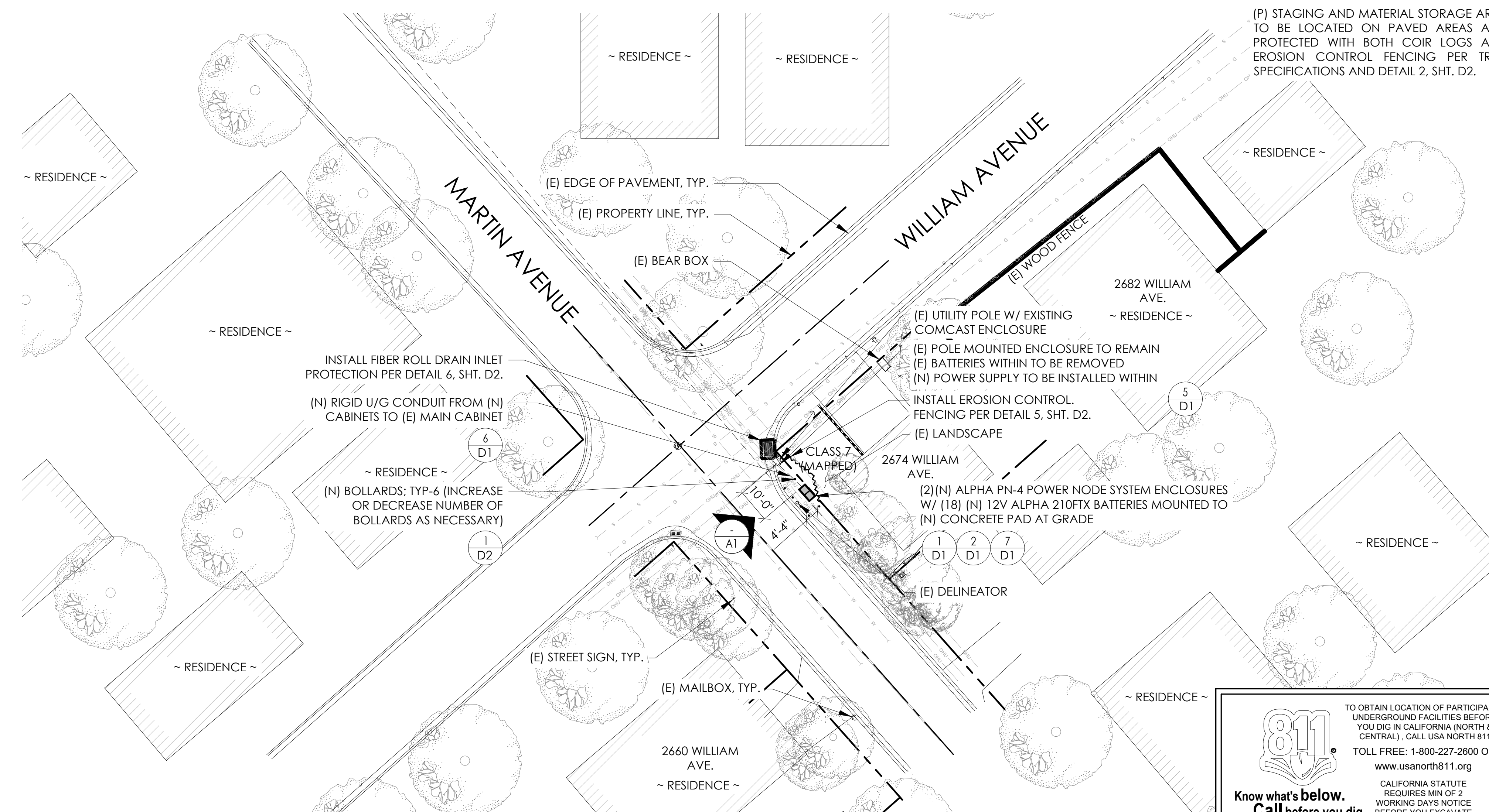


CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



811 logo and text: TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811. TOLL FREE: 1-800-227-2600 OR www.usanorth811.org. CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"
Scale bar and north arrow.

SITE PLAN

SITE INFORMATION

SITE ID: ST121A_

SITE ADDRESS: 2674 WILLIAM AVE, SOUTH LAKE TAHOE, CA 93065

SHEET TITLE:

TITLE SHEET

T1



VICINITY MAP
N.T.S.



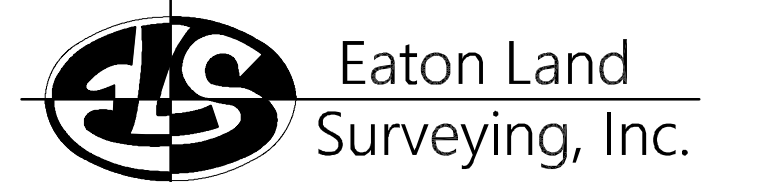
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST121A
2674 WILLIAM AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/26/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

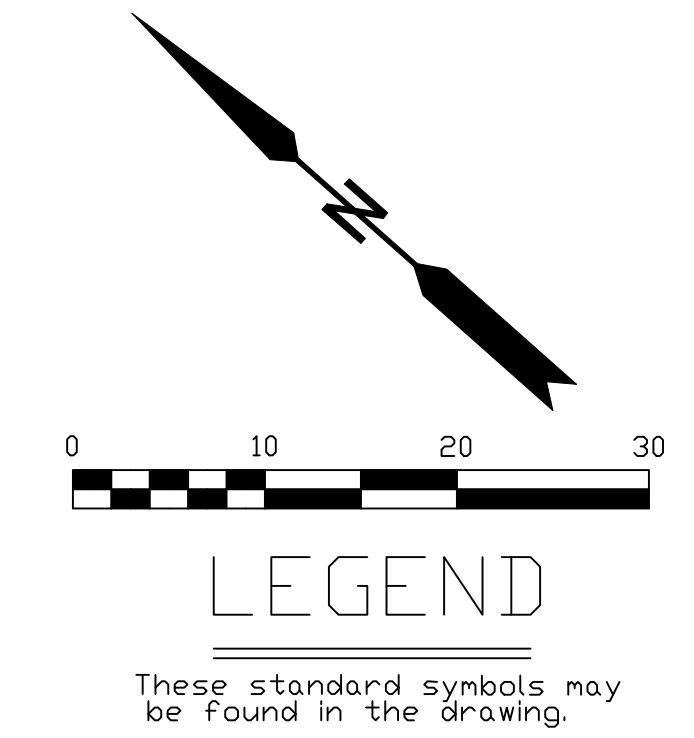
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0386F, DATED 04/03/2012.

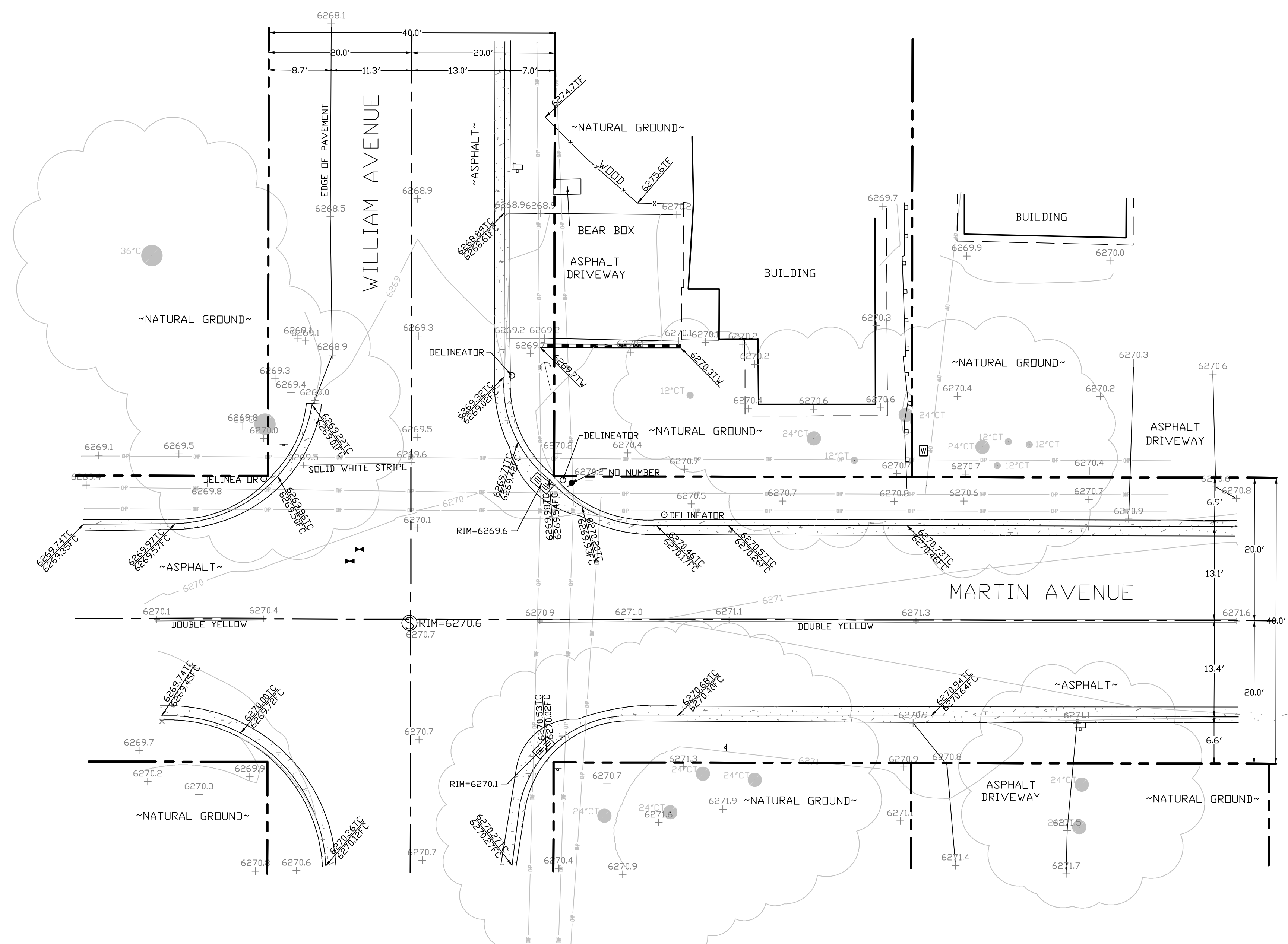
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 33 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN:: 031-132-004-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032251 DATED 08/31/2023;

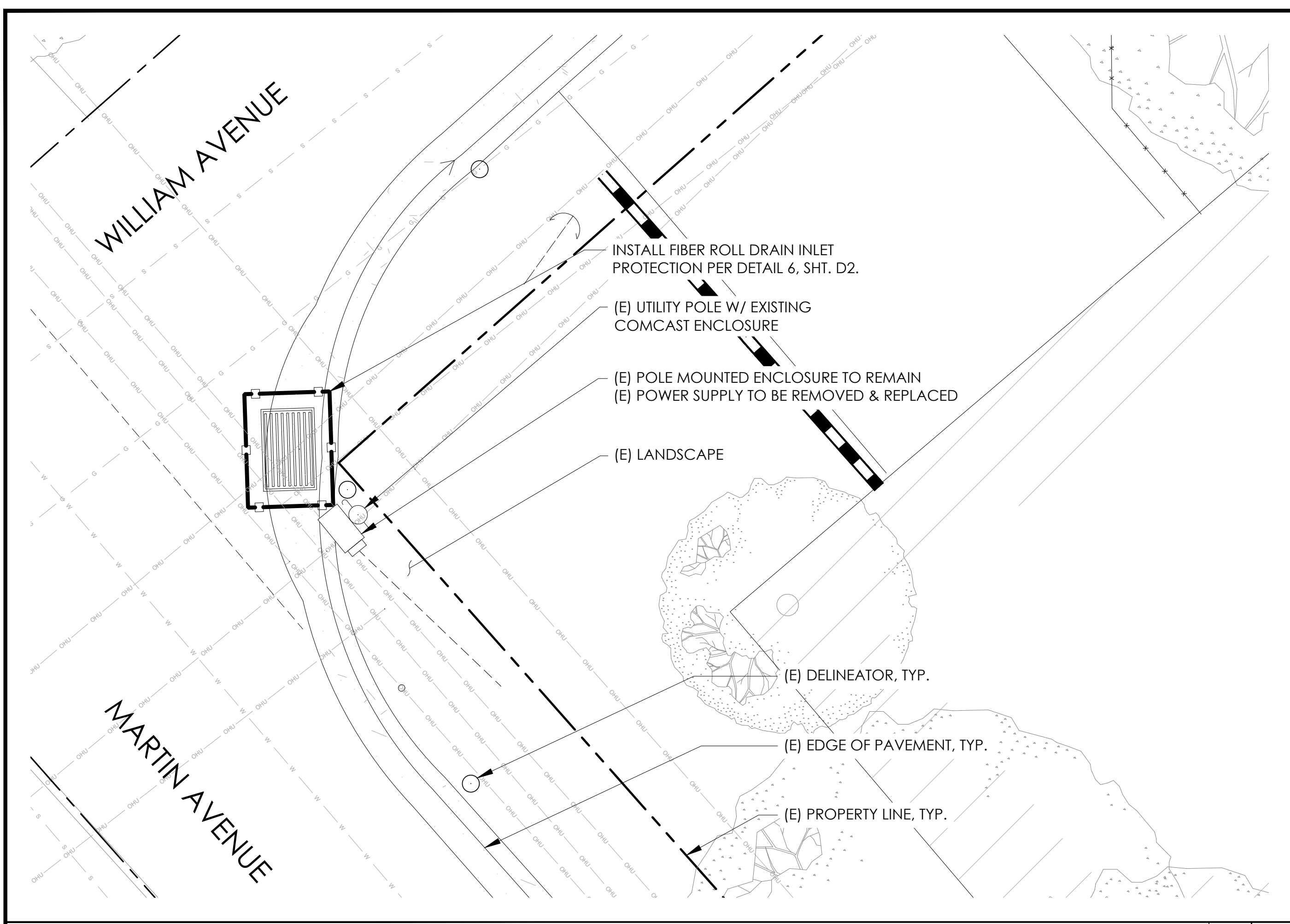


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE CENTER LINE
 - OVERHEAD LINE
 - FENCE HEADER
 - ROOF WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX (MOVABLE)
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN

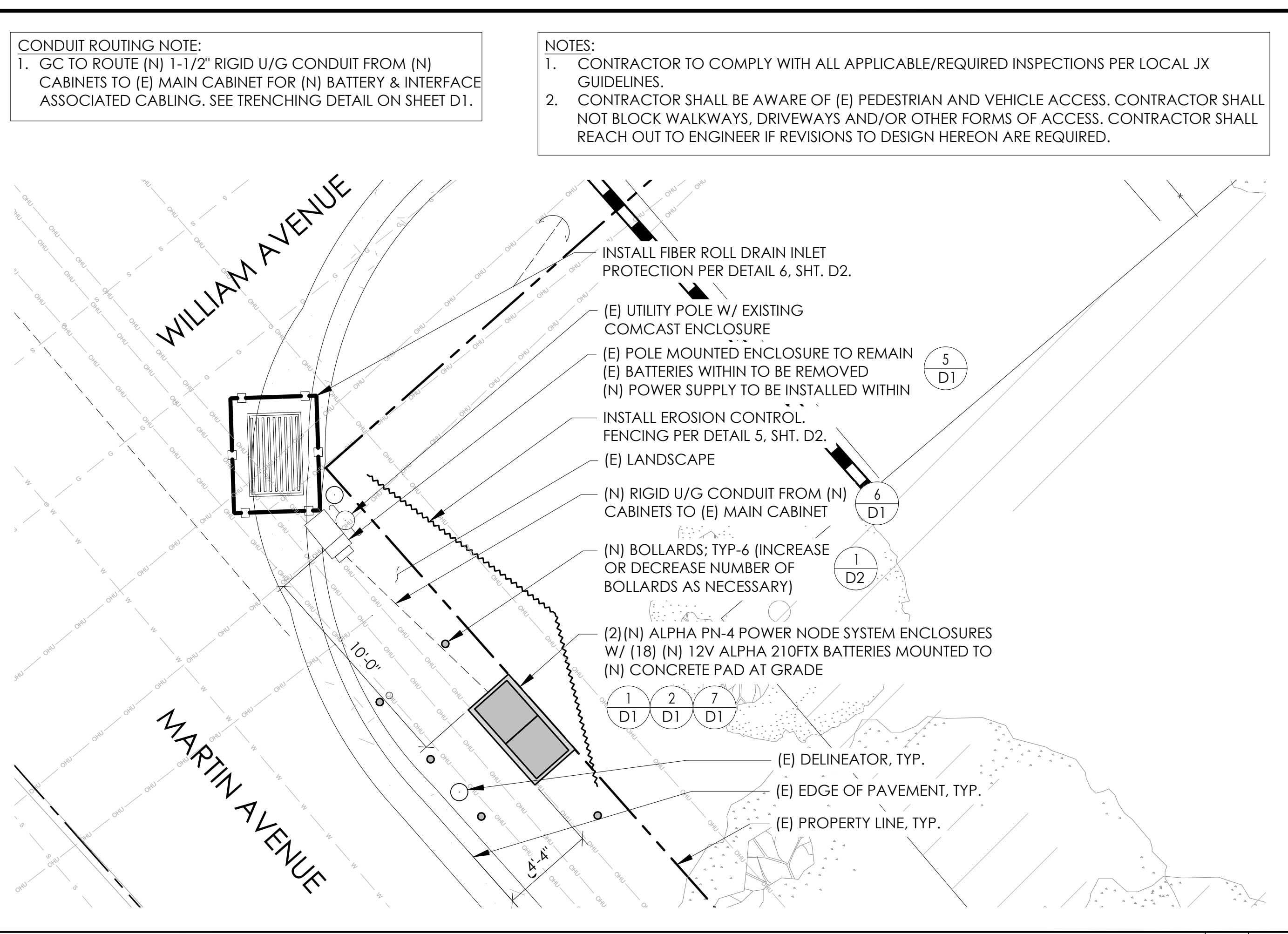


SITE SURVEY
SCALE 1"=10'

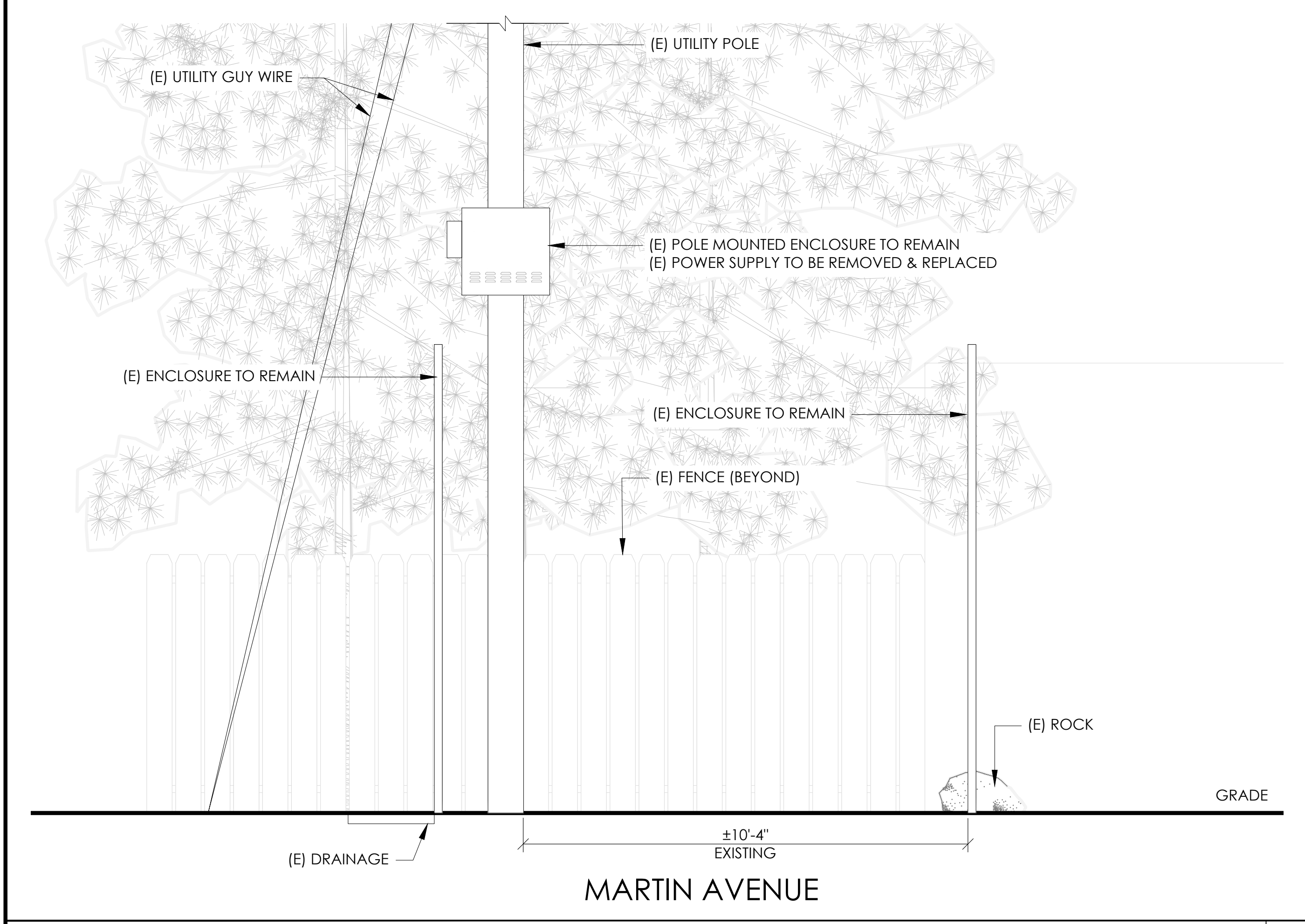




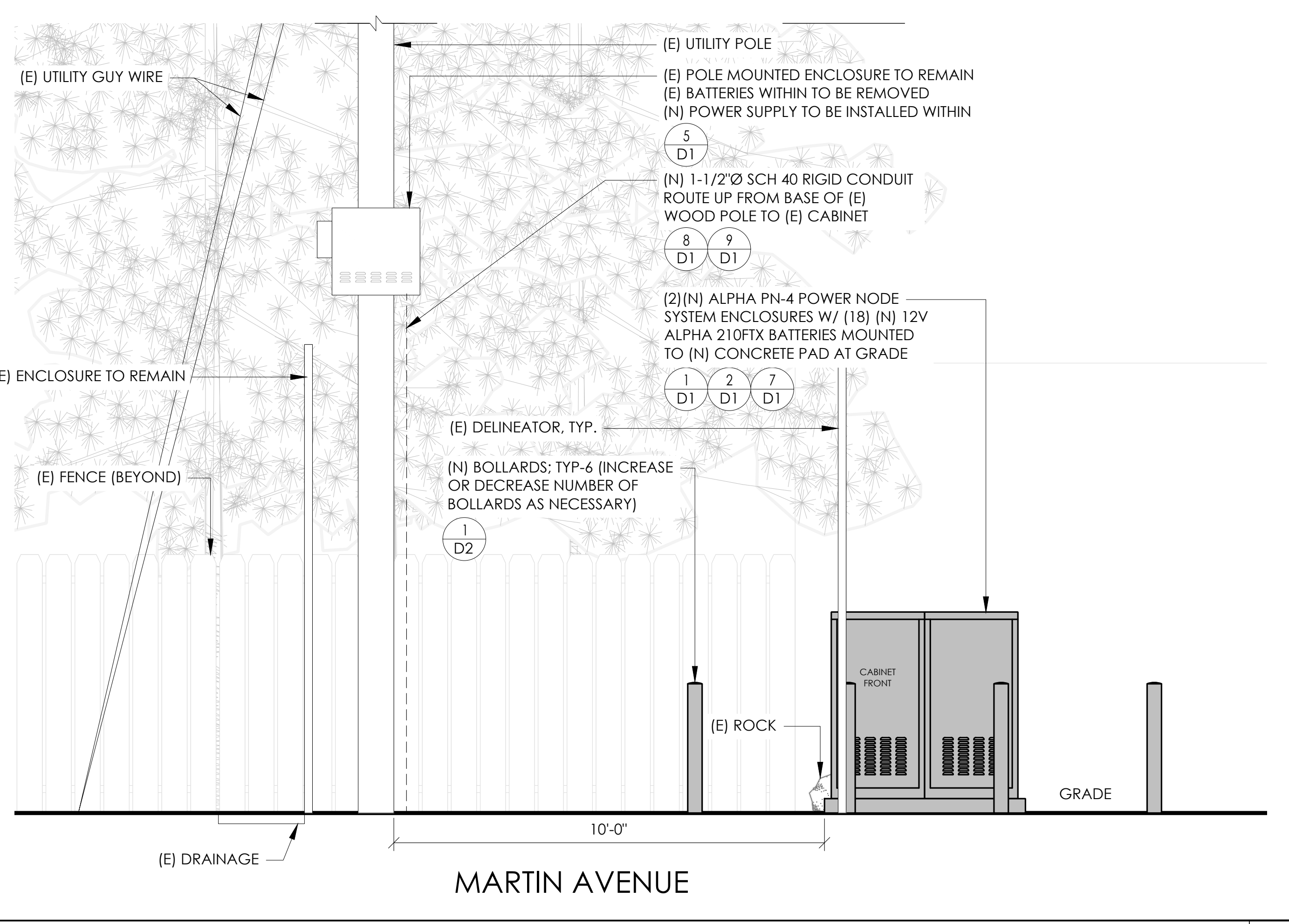
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" NORTH 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3

CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



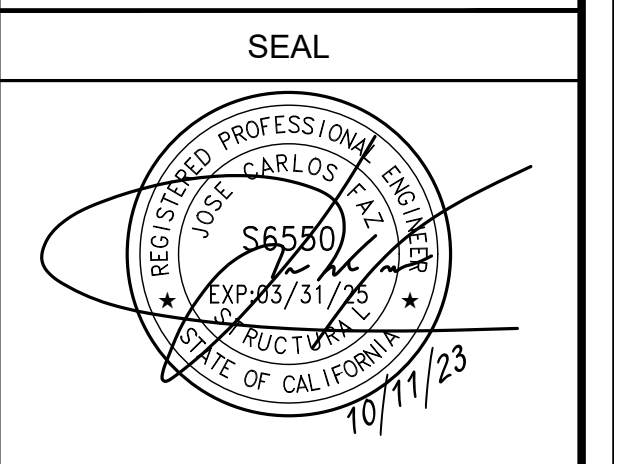
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069685

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
1	07/28/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/23	100% CD REV PER PPC#2	RD
4	06/22/23	100% CD REV PER PPC#3	ES
5	09/27/23	100% CD REVISION	JG



SITE INFORMATION

SITE ID:
ST121A_

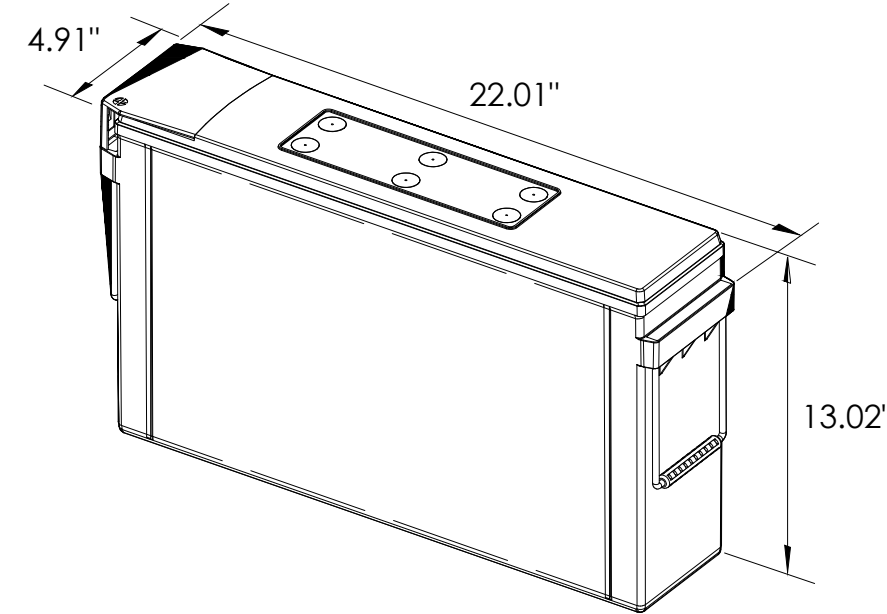
SITE ADDRESS:
2674 WILLIAM AVE,
SOUTH LAKE TAHOE, CA
93065

SHEET TITLE:
ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT



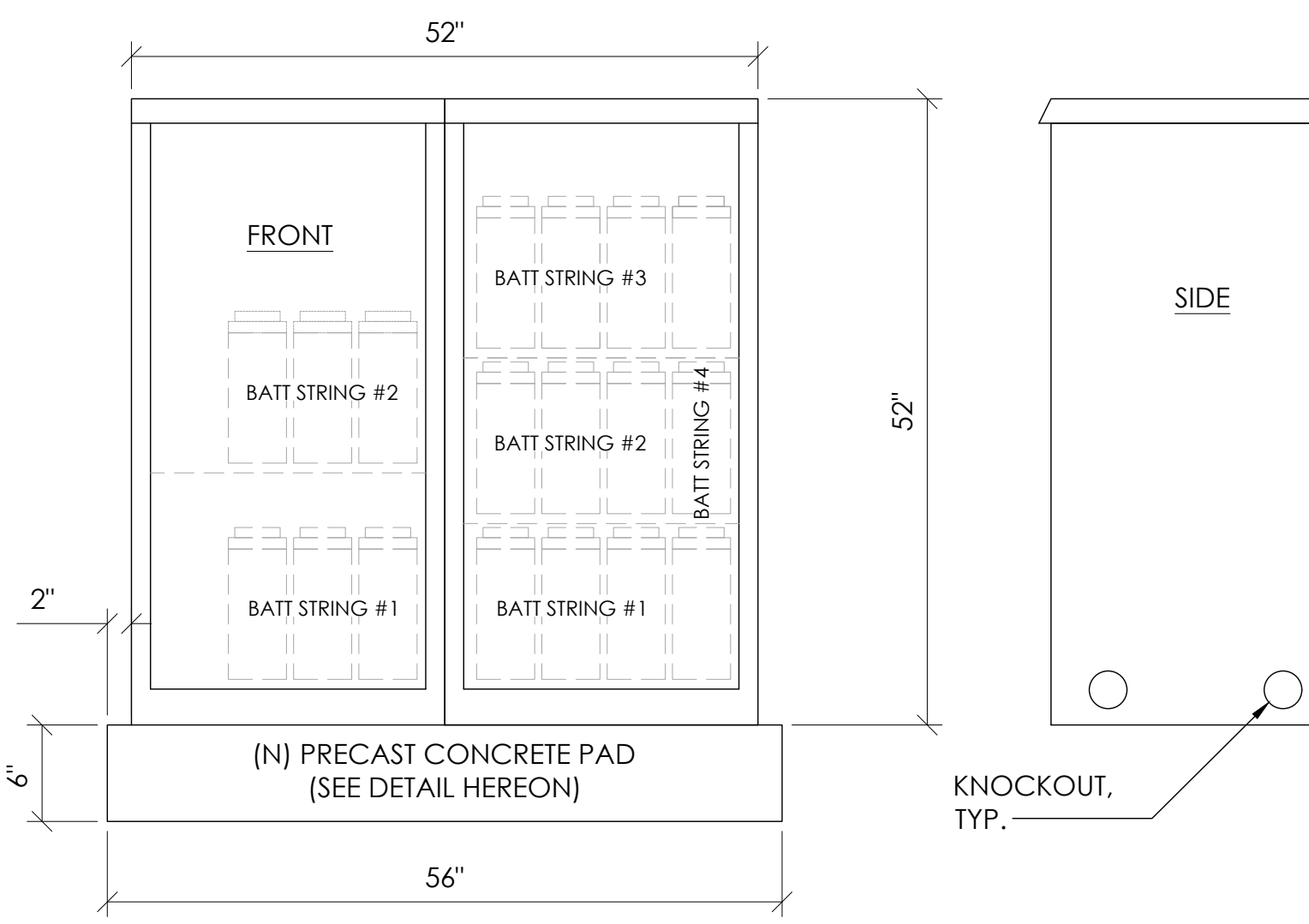
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG: ALPHA
MODEL: 210 FIX
HEIGHT: 13.02 IN
WIDTH: 4.91 IN
LENGTH: 22.01 IN
WEIGHT: 145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

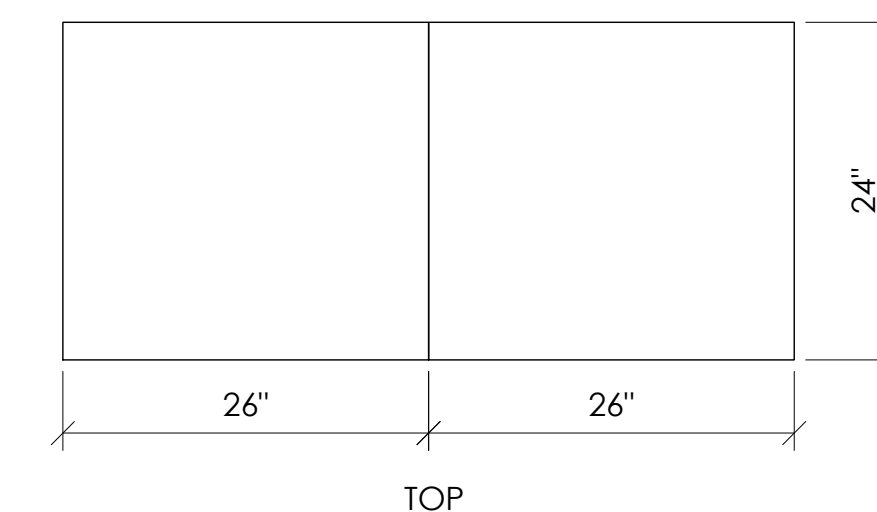
7 BATTERY SPECIFICATIONS
N.T.S.



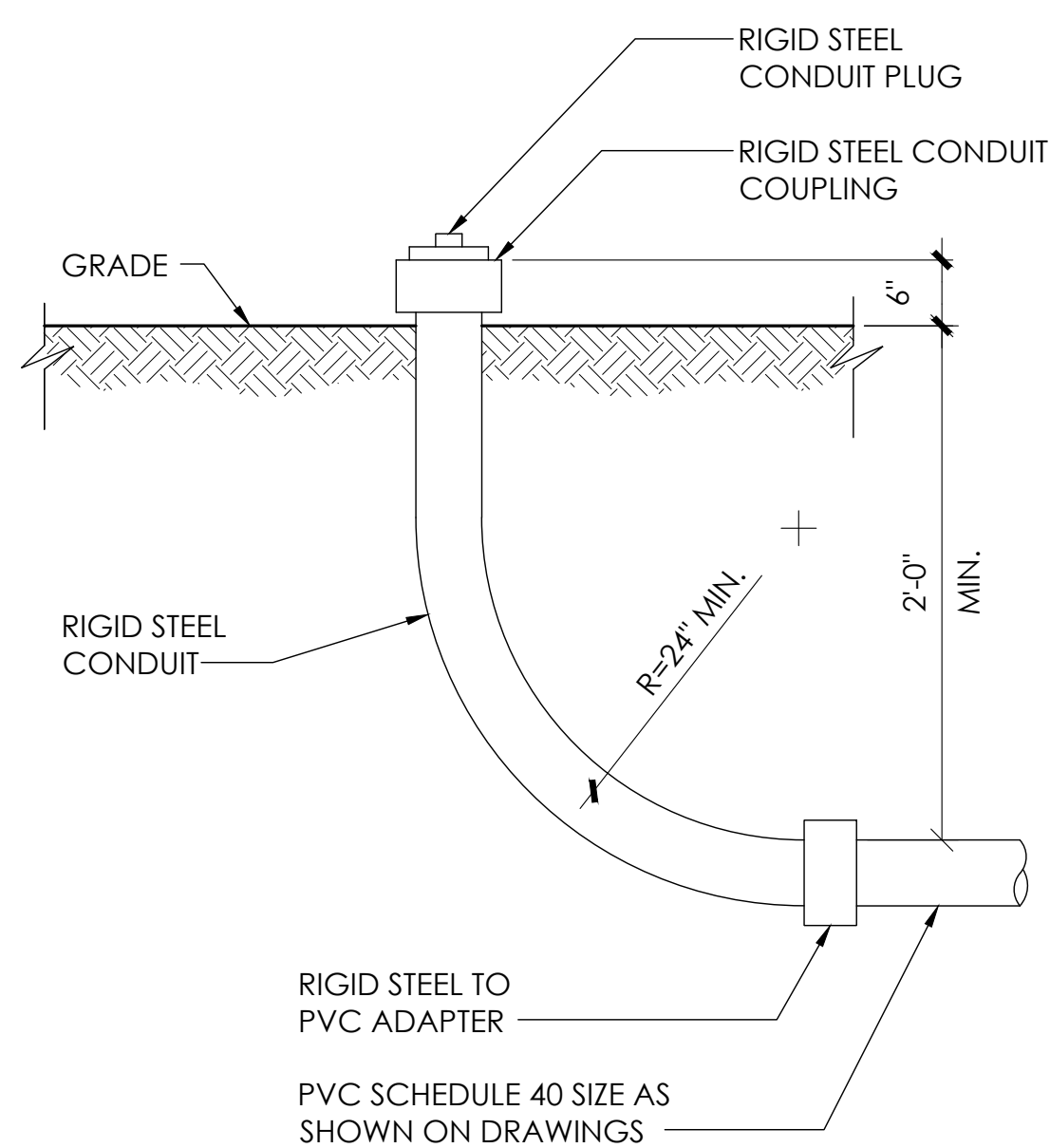
CABINET SPECIFICATIONS

MANUFACTURER: ALPHA
MODEL: PN-4
HEIGHT: 52"
WIDTH: 26"
DEPTH: 24"
WEIGHT (EMPTY): 360 LBS.
WEIGHT (W/ BATTERIES): 2,970 LBS.
MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



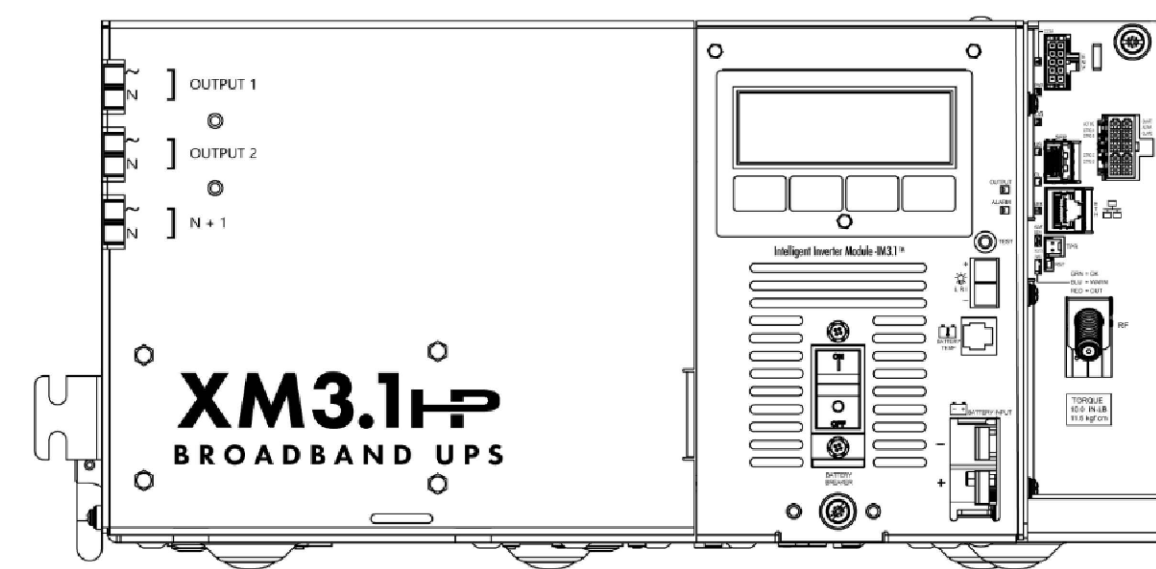
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

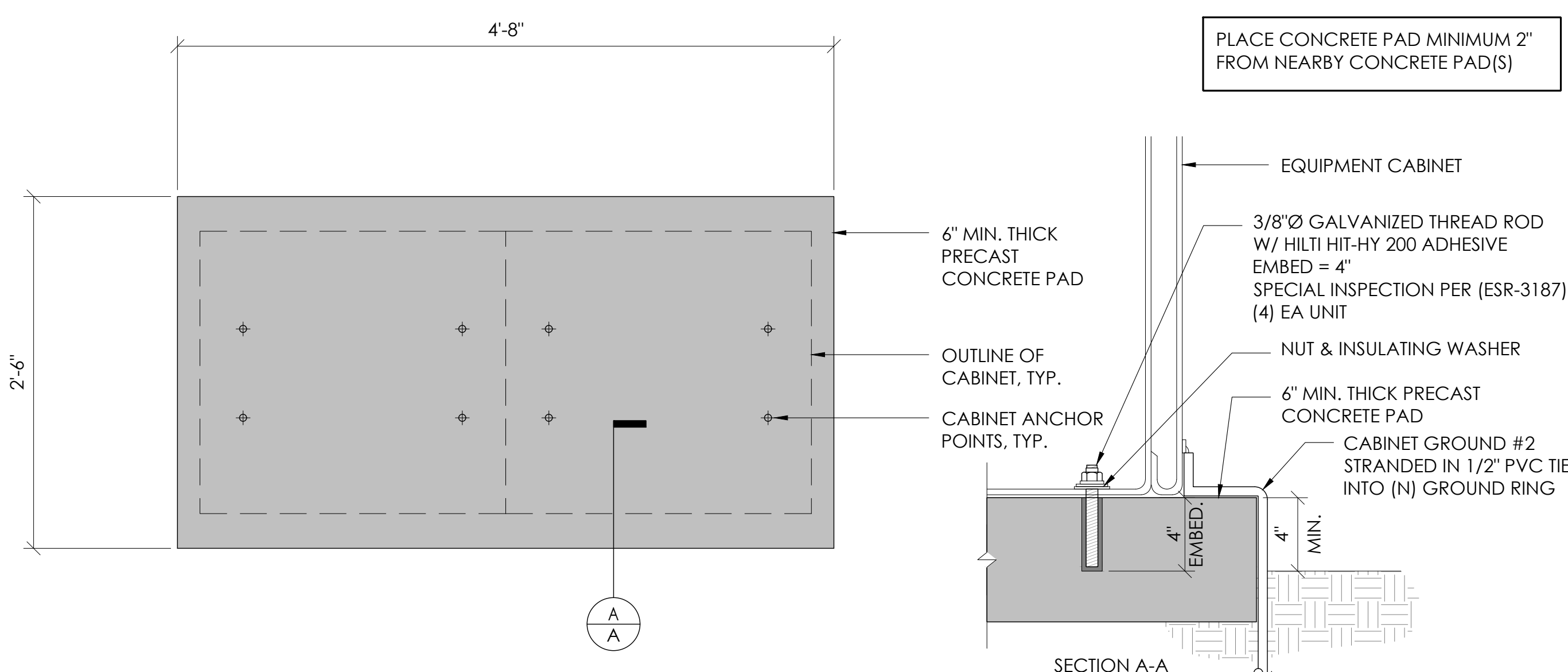
EQUIPMENT SPECIFICATIONS

MFG: ALPHA
MODEL: XM3.1-HP
HEIGHT: 7.76 IN
WIDTH: 16.43 IN
DEPTH: 10.57 IN
WEIGHT: 61 LBS

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

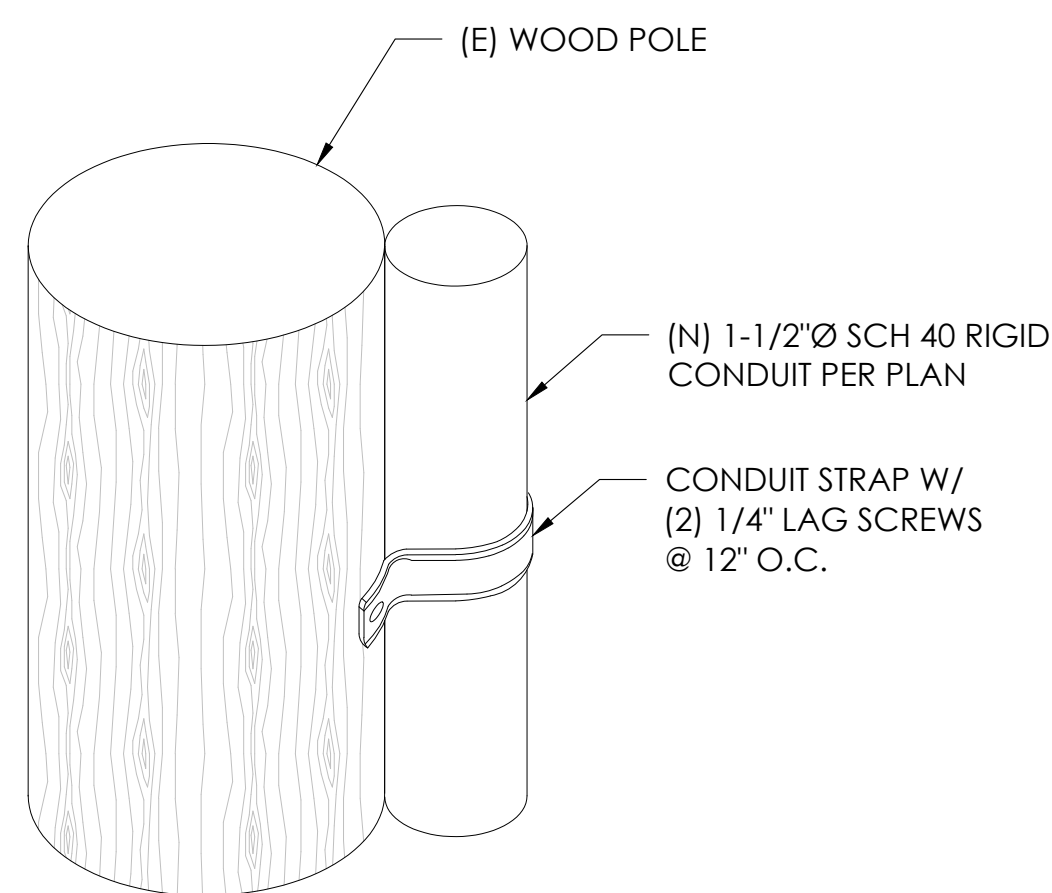


5 POWER SUPPLY DETAIL
N.T.S.



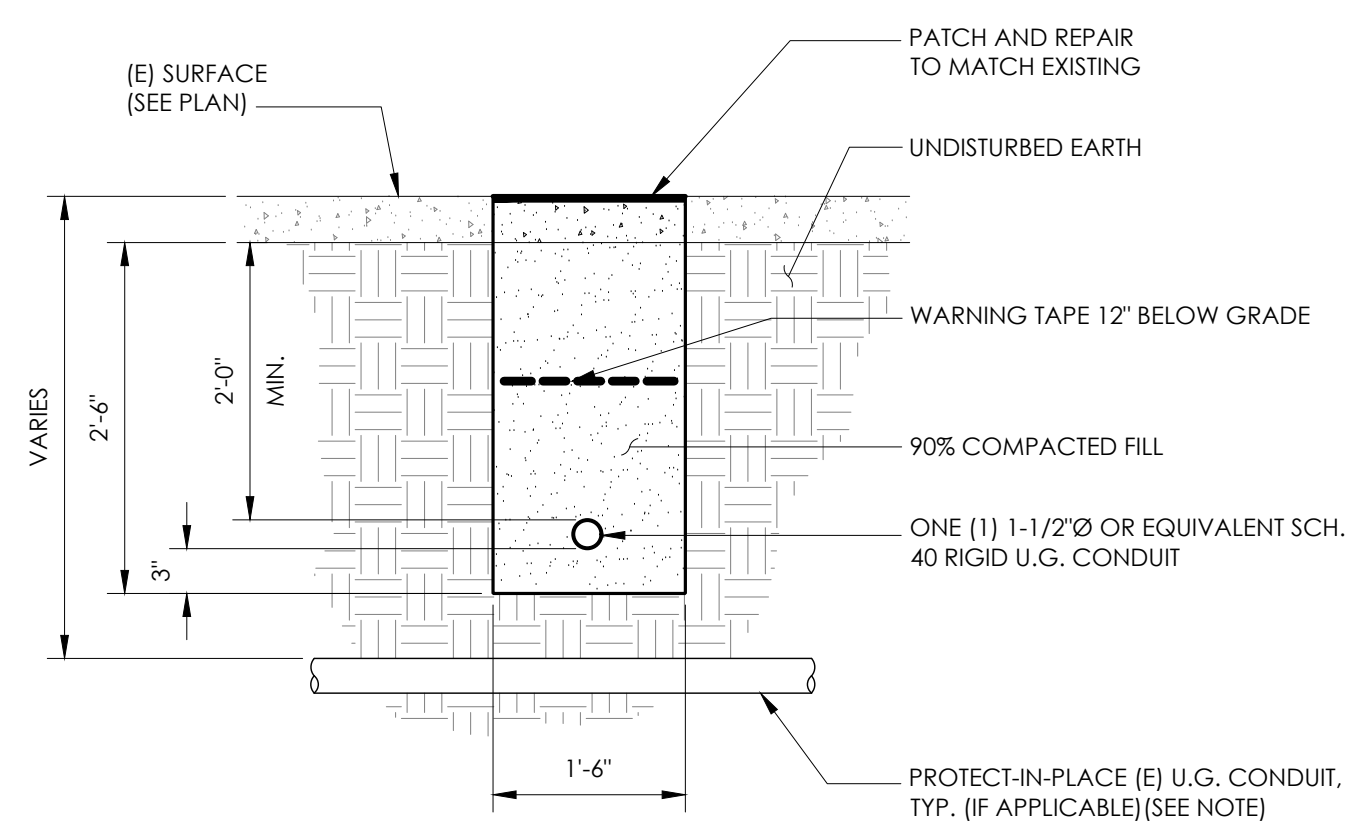
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. CONTRACTOR TO VERIFY RISER MOUNTING REQUIREMENTS W/ POLE OWNER AND/OR POWER COMPANY



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



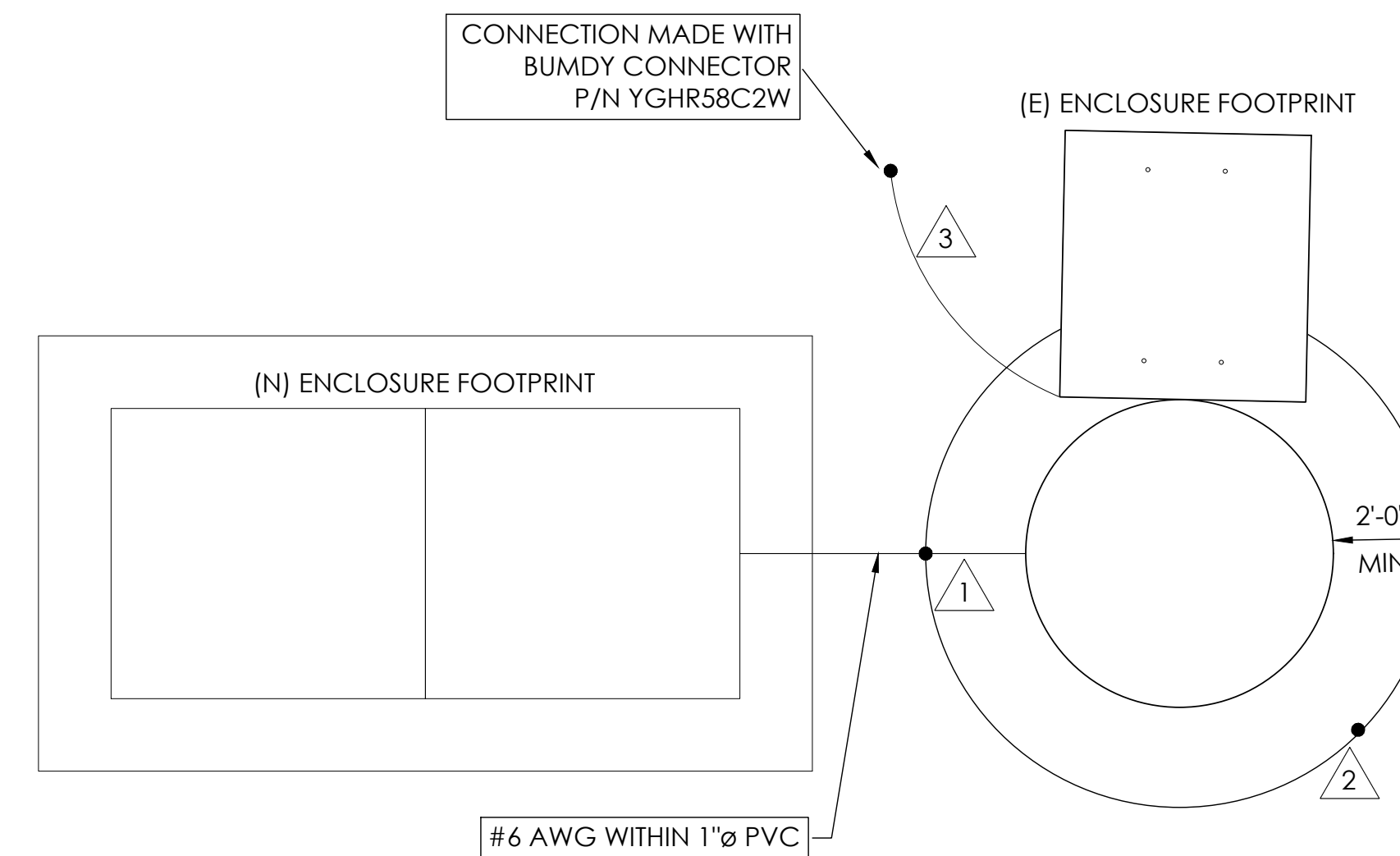
6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

- ⚠ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- ⚠ (E) #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- ⚠ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- ⚠ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)
⚠ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND ON POLE CONNECTED BY #6 SPLIT BOLT.

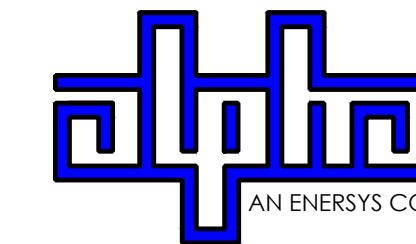
NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.



3 GROUNDING DETAIL
N.T.S.



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CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



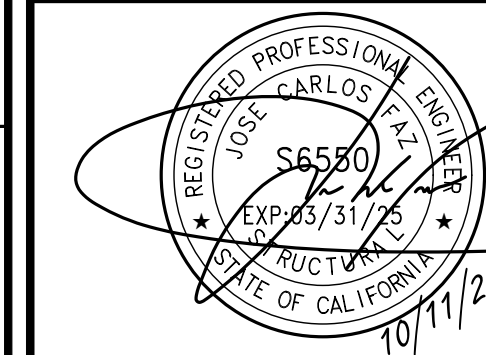
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069685

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
0	12/27/21	100% CD	BN
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2	11/28/22	100% CD REV PER PPC#1	KB
3	05/23/23	100% CD REV PER PPC#2	RD
4	06/22/23	100% CD REV PER PPC#3	ES
5	09/27/23	100% CD REVISION	JG

SEAL



SITE INFORMATION

SITE ID:
ST121A

SITE ADDRESS:
2674 WILLIAM AVE,
SOUTH LAKE TAHOE, CA
93065

SHEET TITLE:

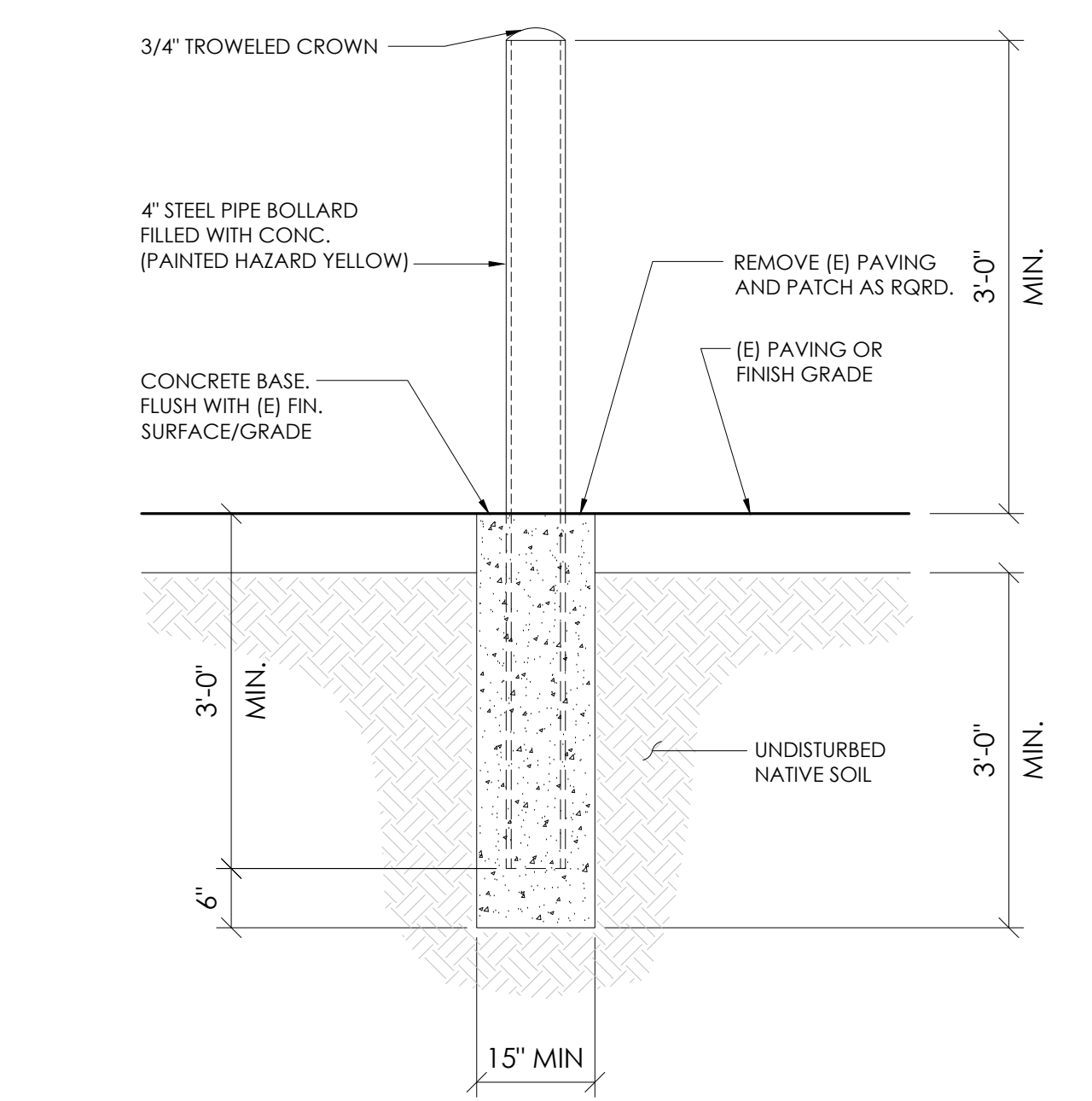
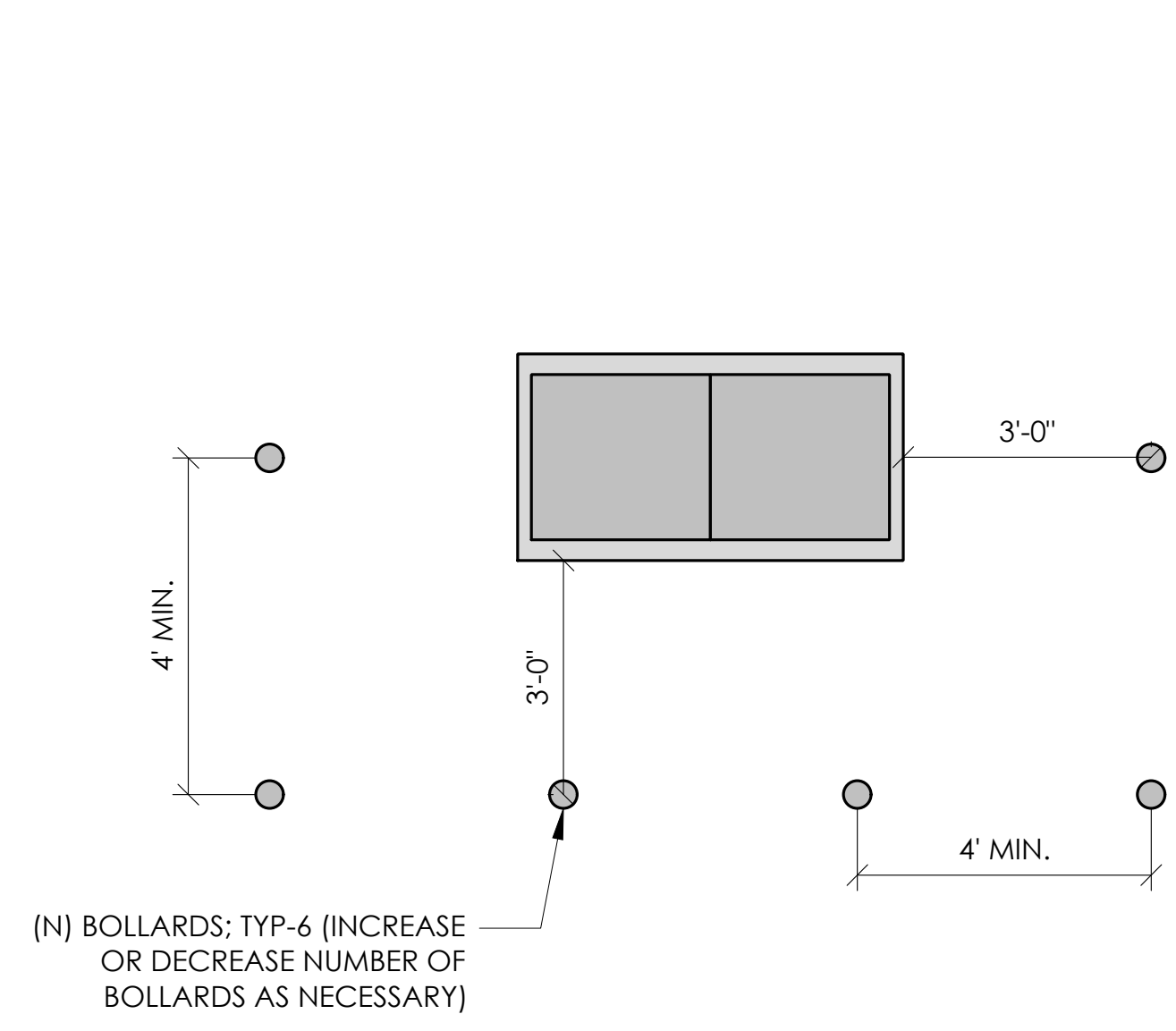
DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

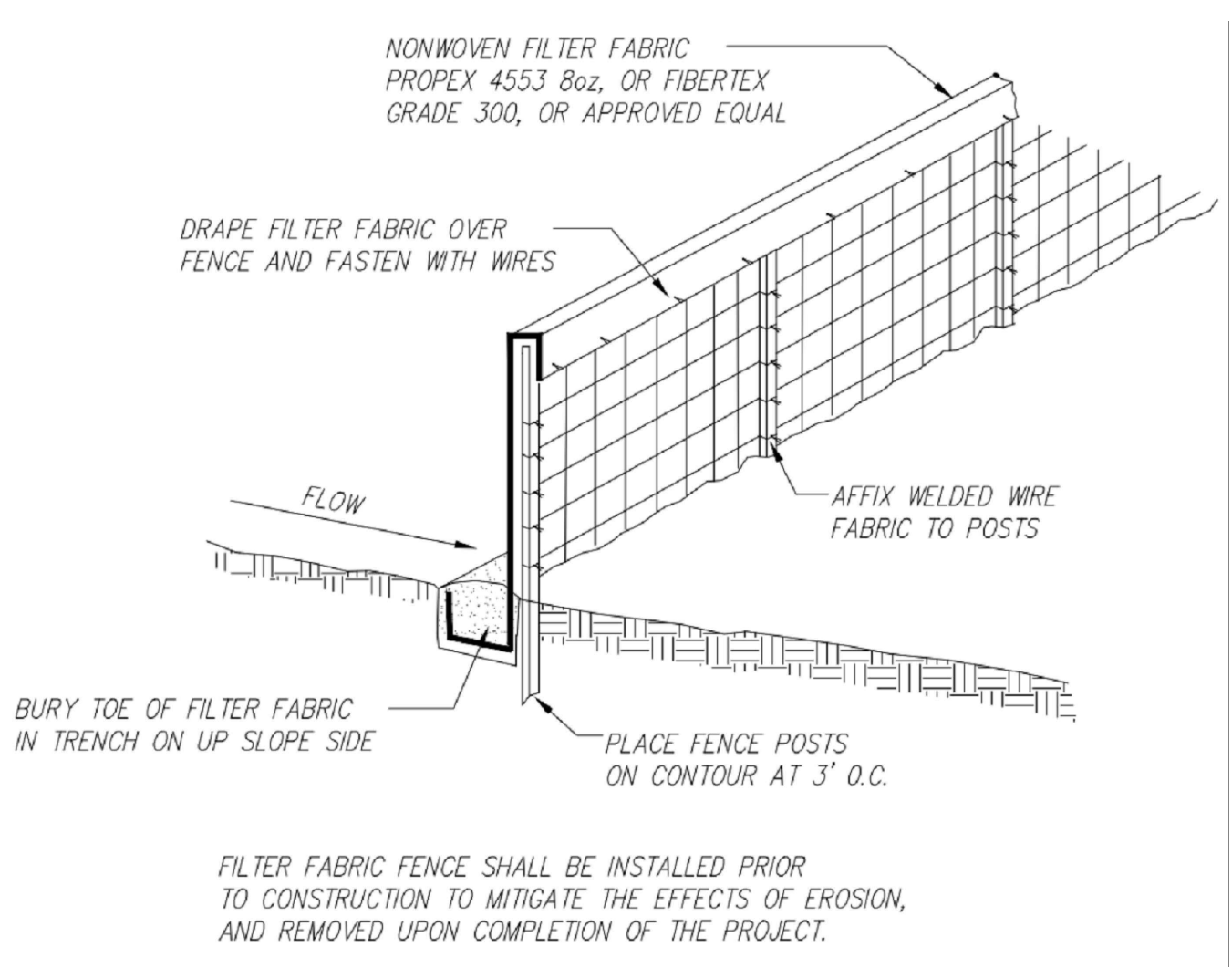
1 BOLLARD DETAIL
N.T.S.



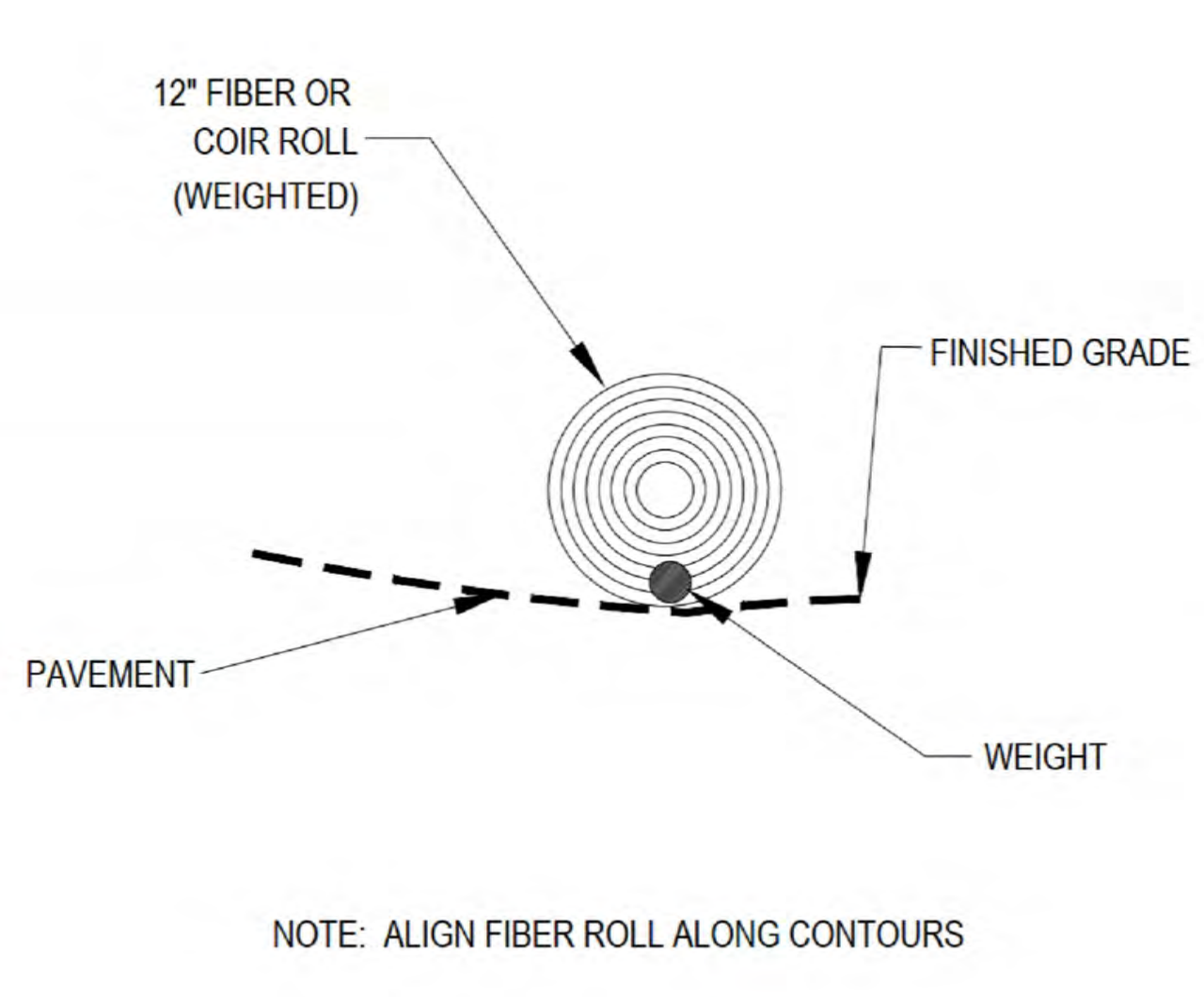
11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

5 EROSION CONTROL FENCING
N.T.S.



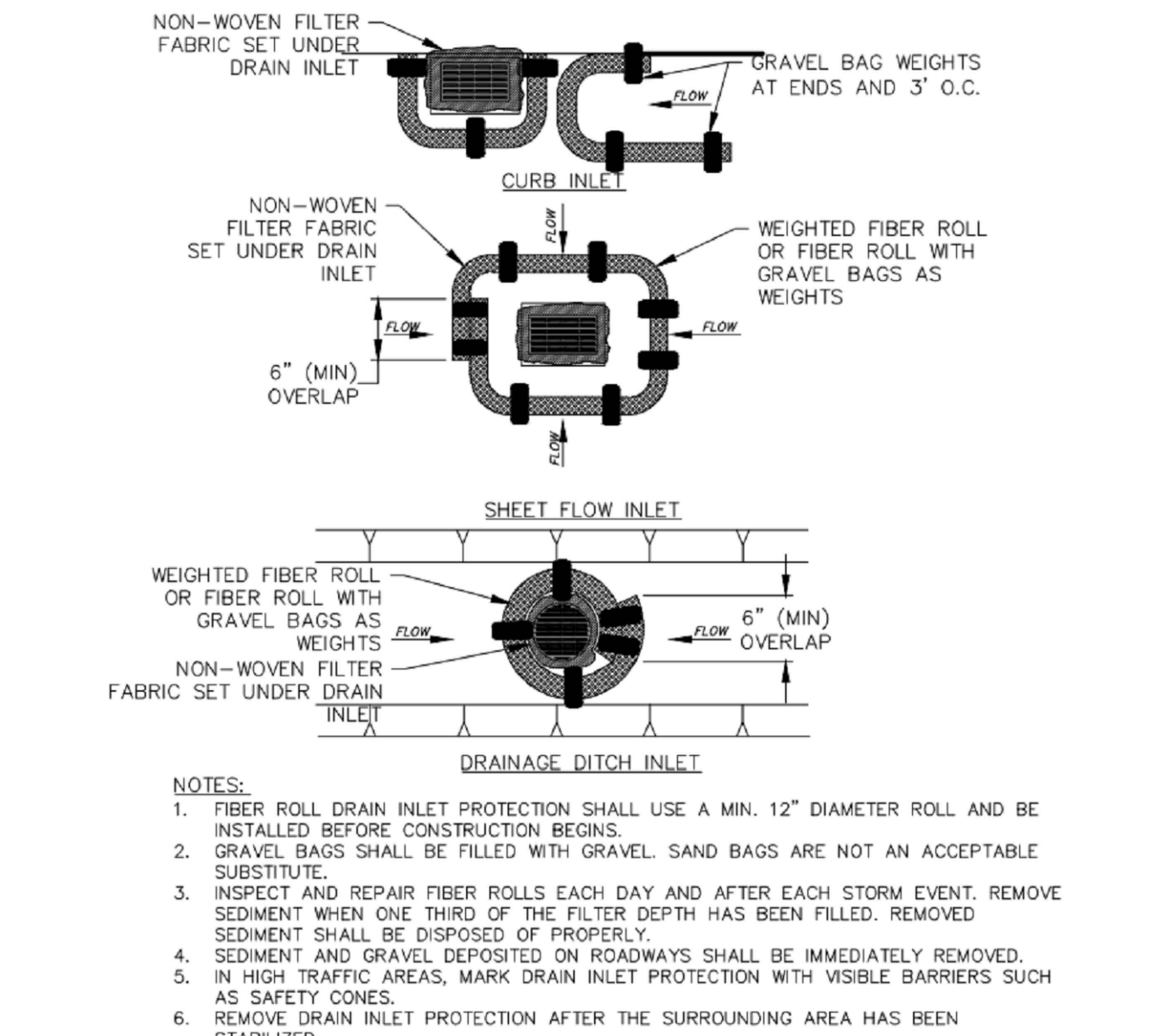
2 WEIGHTED COIR LOGS
N.T.S.



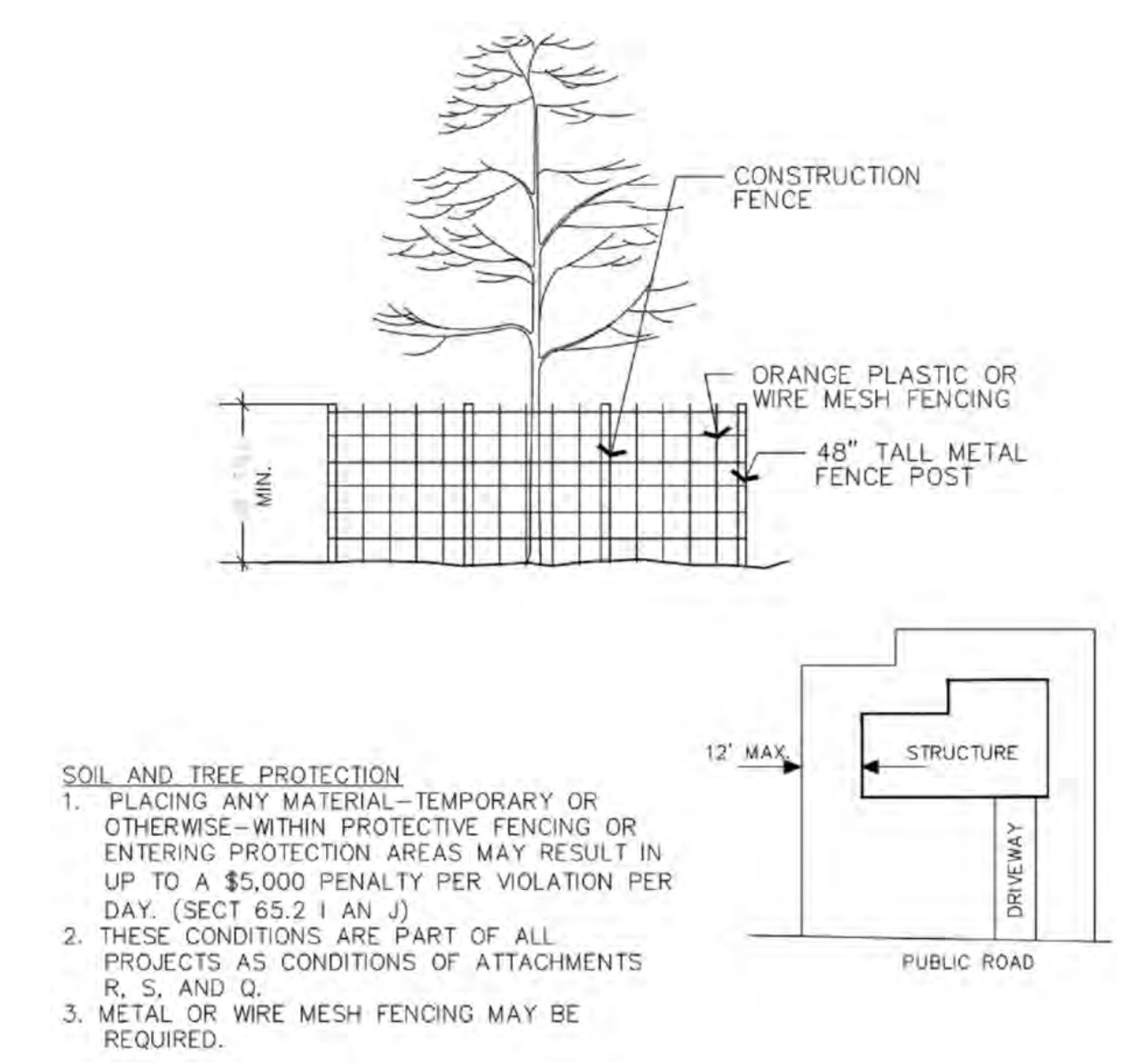
12 NOT USED
N.T.S.

9 NOT USED
N.T.S.

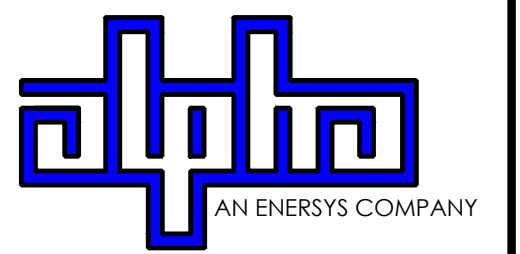
6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

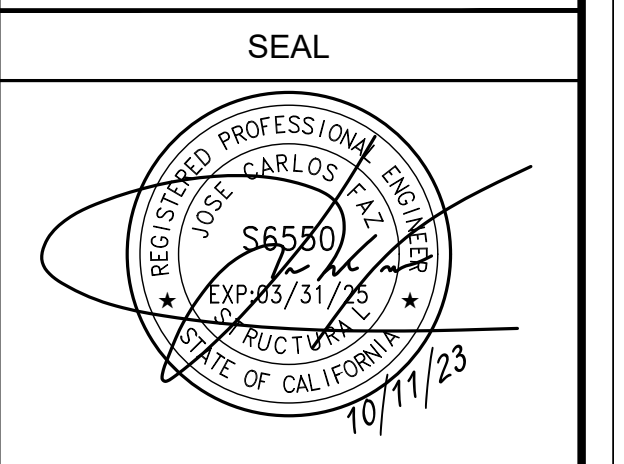


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
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5	09/27/23	100% CD REVISION	JG



SITE INFORMATION

SITE ID:
ST121A_

SITE ADDRESS:
2674 WILLIAM AVE,
SOUTH LAKE TAHOE, CA
93065

SHEET TITLE:

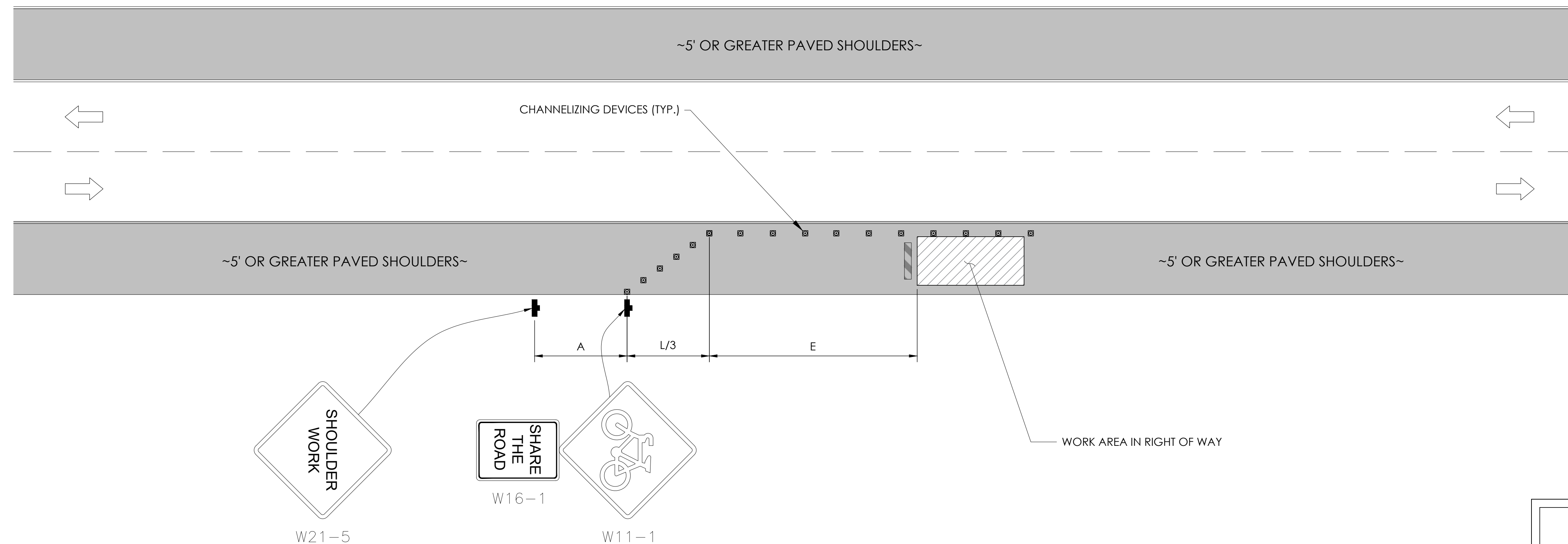
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



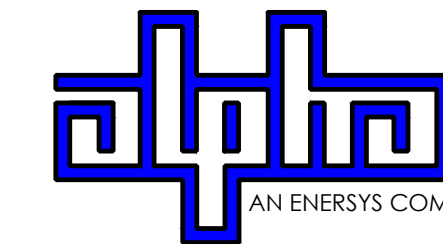
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



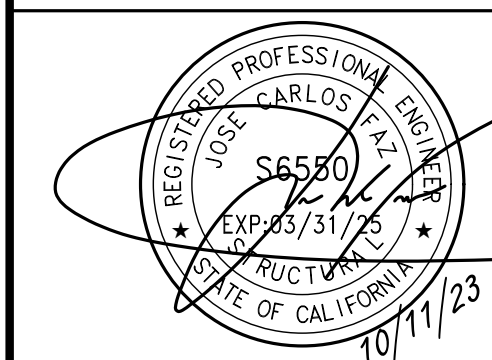
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069685

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	RP
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2	11/28/22	100% CD REV PER PPC#1	KB
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4	06/22/23	100% CD REV PER PPC#3	ES
5	09/27/23	100% CD REVISION	JG

SEAL



SITE INFORMATION

SITE ID:
ST121A_

SITE ADDRESS:
2674 WILLIAM AVE,
SOUTH LAKE TAHOE, CA
93065

SHEET TITLE:

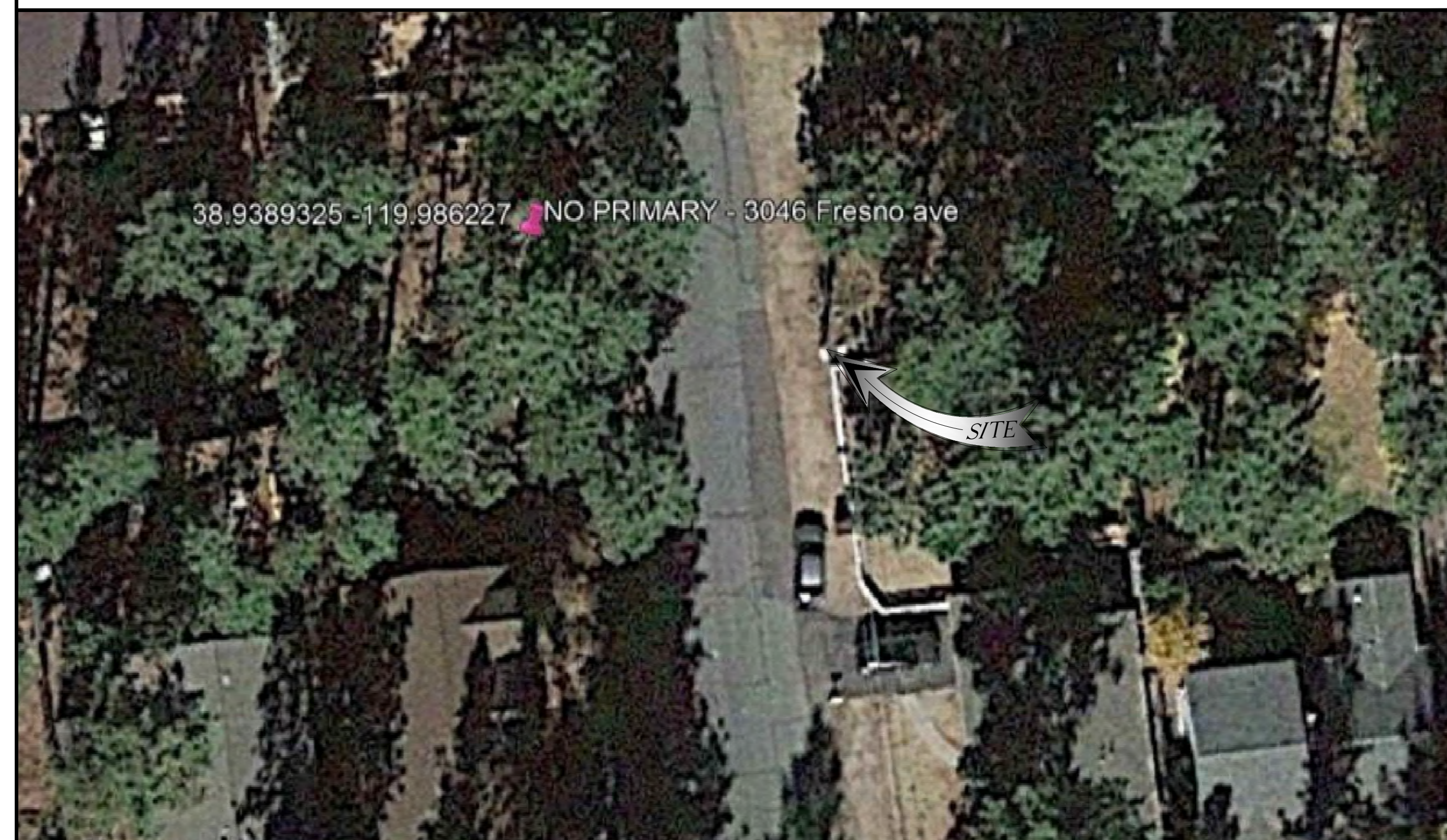
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST119A_

SITE ADDRESS: 3046 FRESNO AVE, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

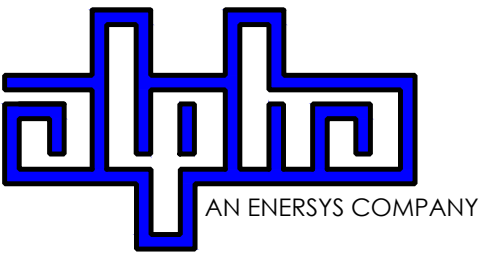
Table with site information including address, coordinates, jurisdiction, power provider, structure type, output voltage, input voltage, amp draw, coverage, and cut/fill volume.

2B SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226

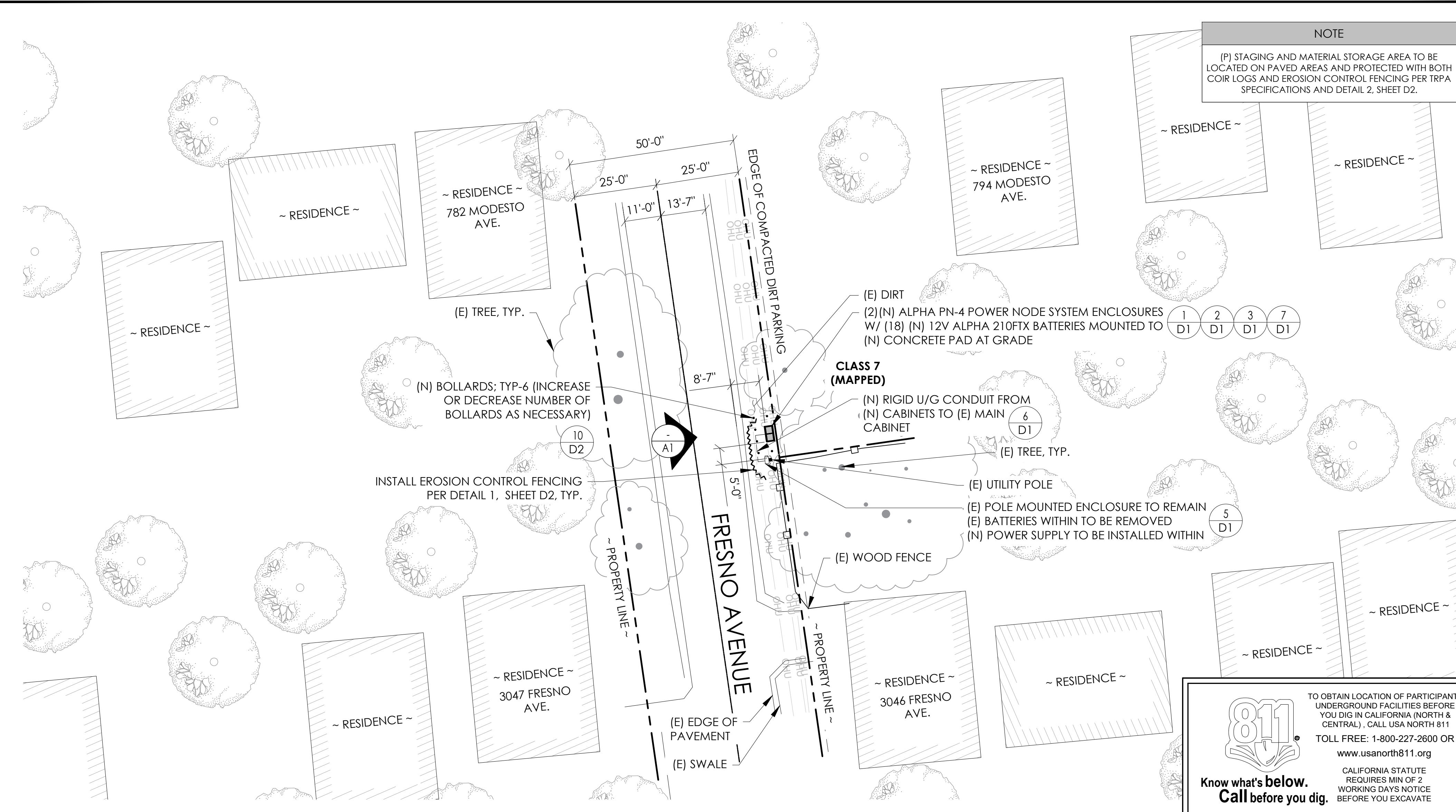


23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069681

ISSUE STATUS

Table with issue status including revision number, date, description, and by.



811 logo and text: TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA... CALL USA NORTH 811

DRAWING INDEX

Table with drawing index including sheet number and description.

PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
ENGINEER/ARCHITECT: J5 INFRASTRUCTURE PARTNERS
APPLICANT: ALPHA TECHNOLOGIES, INC.

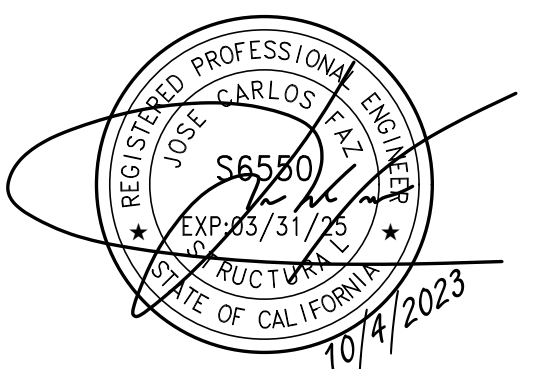
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID: ST119A_

SITE ADDRESS: 3046 FRESNO AVE, SOUTH LAKE TAHOE, CA 96150

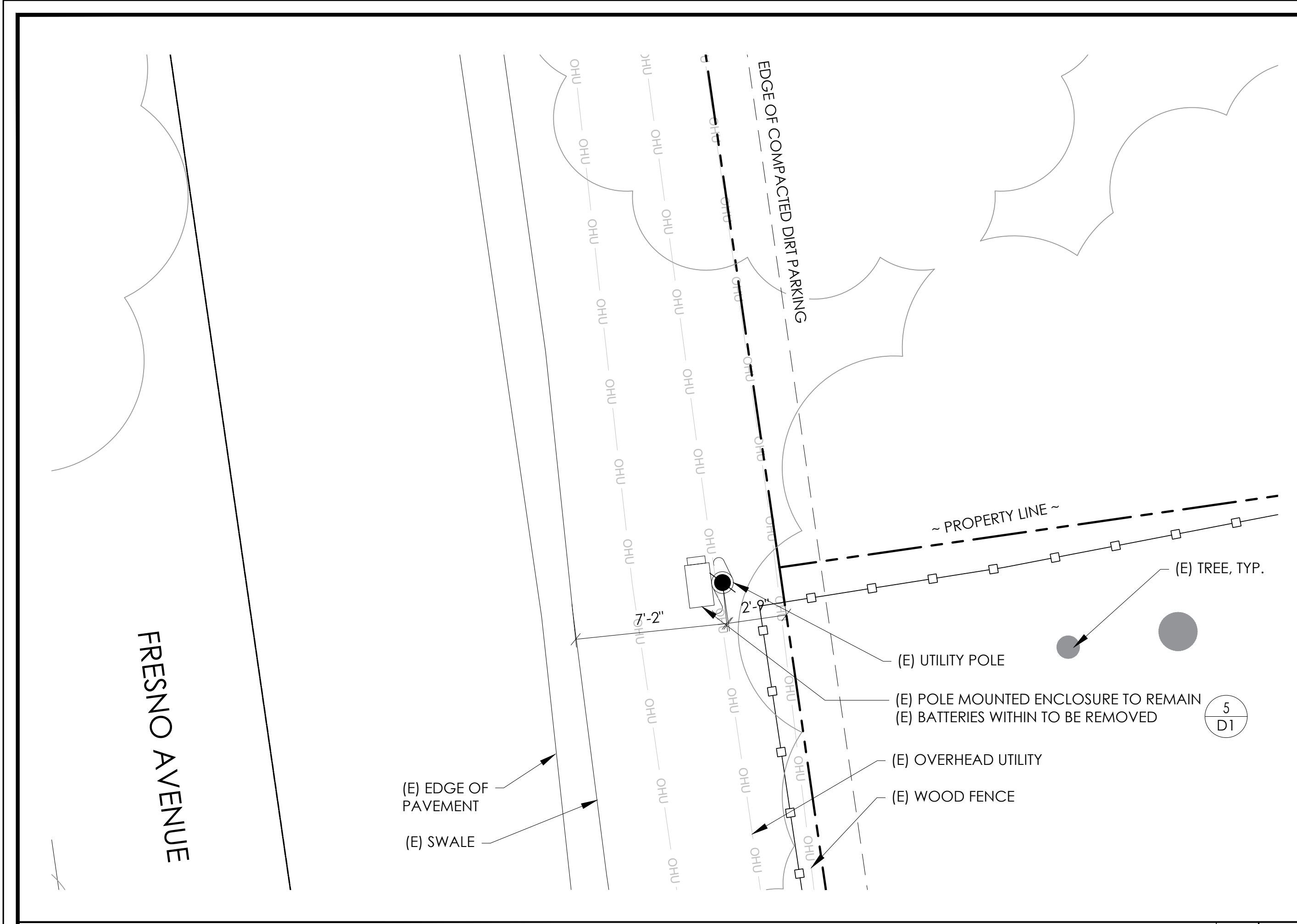
SHEET TITLE:

TITLE SHEET

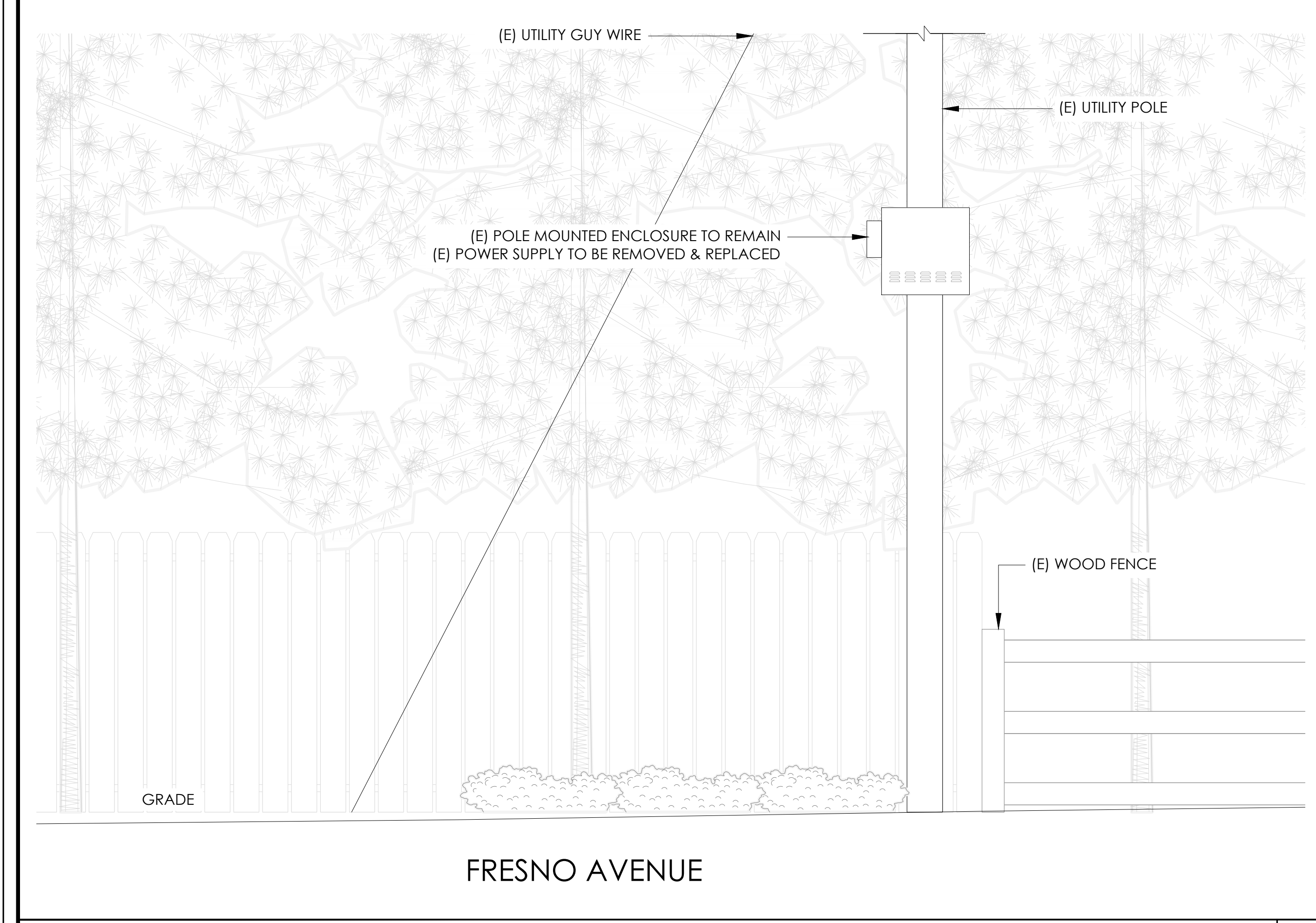
T1

SITE PLAN

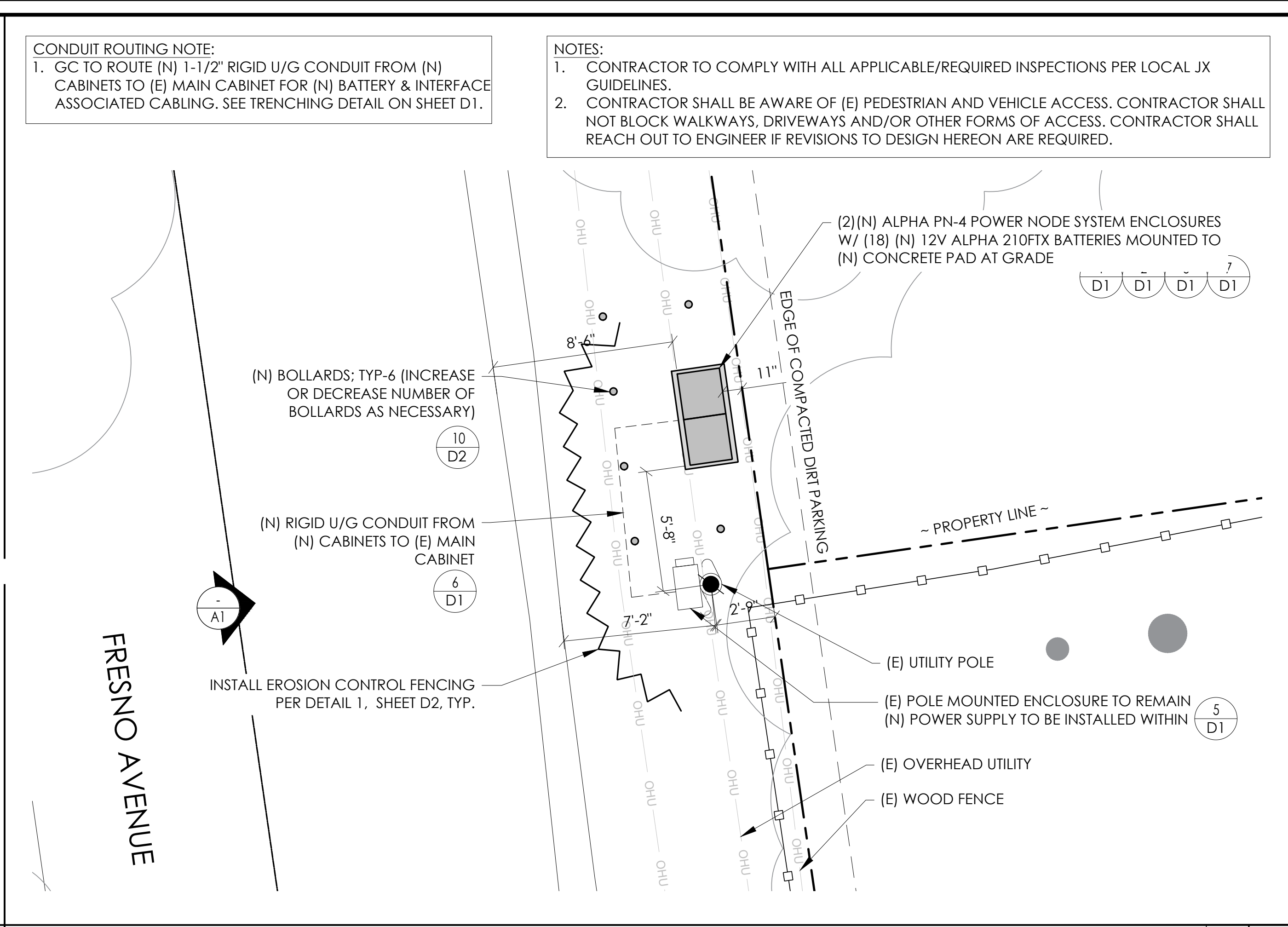
24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"



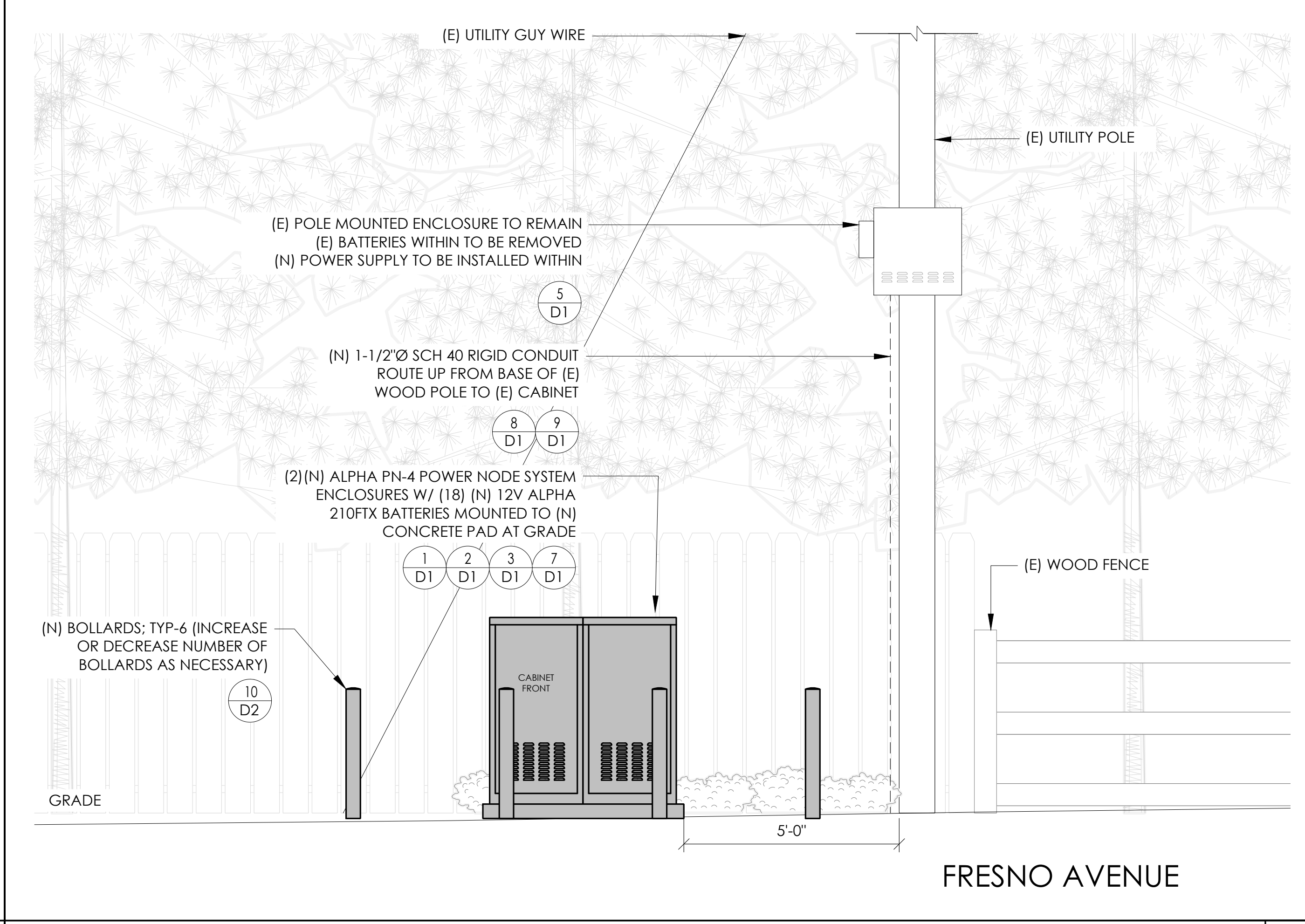
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 2



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 1



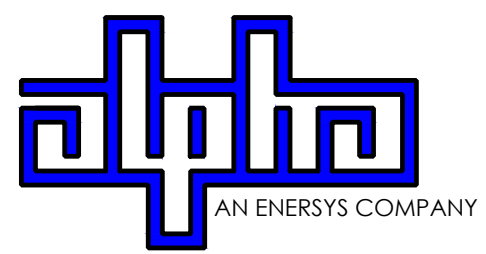
PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 1

CONDUIT ROUTING NOTE:
1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

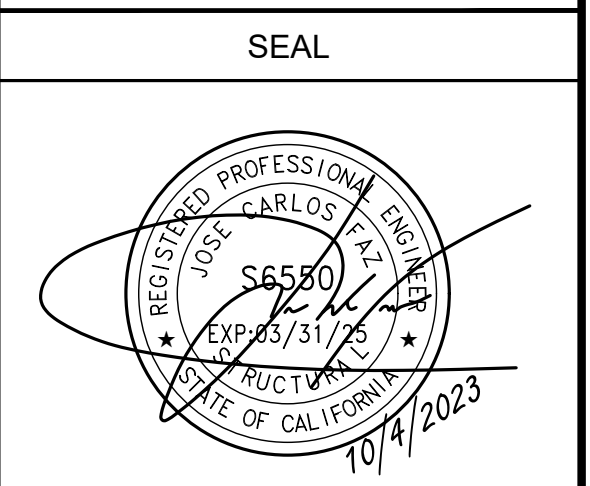


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069681

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	07/01/22	MODEL REDESIGN	MZ
2	12/05/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	10/05/23	SURVEY ADD	JDJ



SITE INFORMATION

SITE ID:
ST119A_

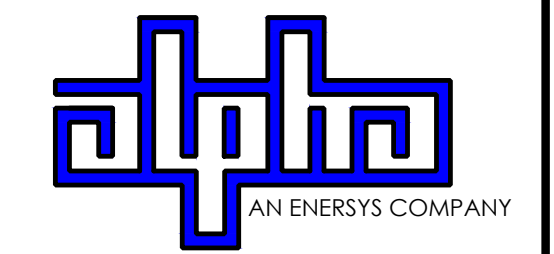
SITE ADDRESS:
3046 FRESNO AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069681

ISSUE STATUS

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A	12/09/21	90% CD	AS
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1	07/01/22	MODEL REDESIGN	MZ
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4	10/05/23	SURVEY ADD	JDJ

SEAL



SITE INFORMATION

SITE ID:
ST119A

SITE ADDRESS:
3046 FRESNO AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

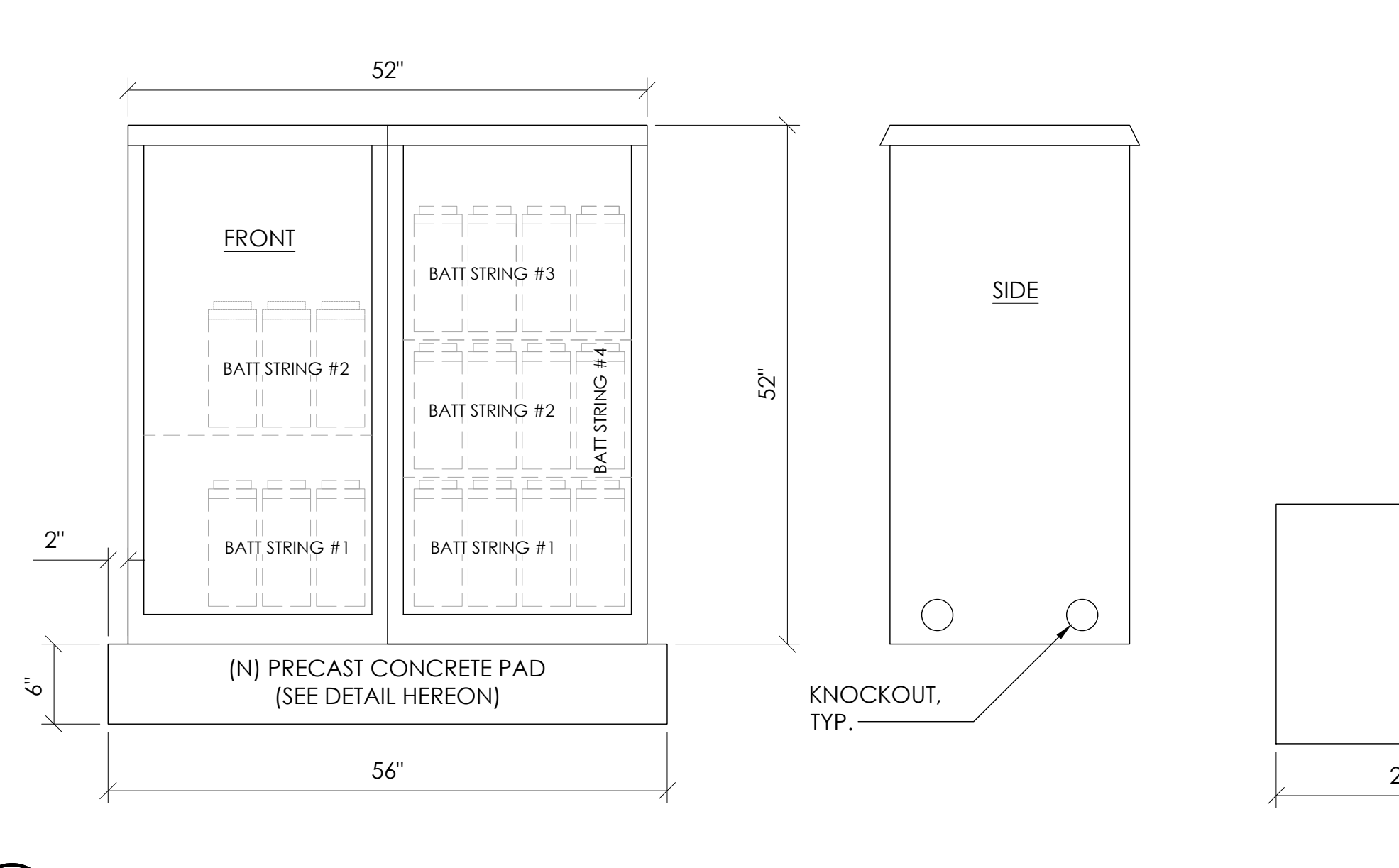
DETAILS

D1

CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM

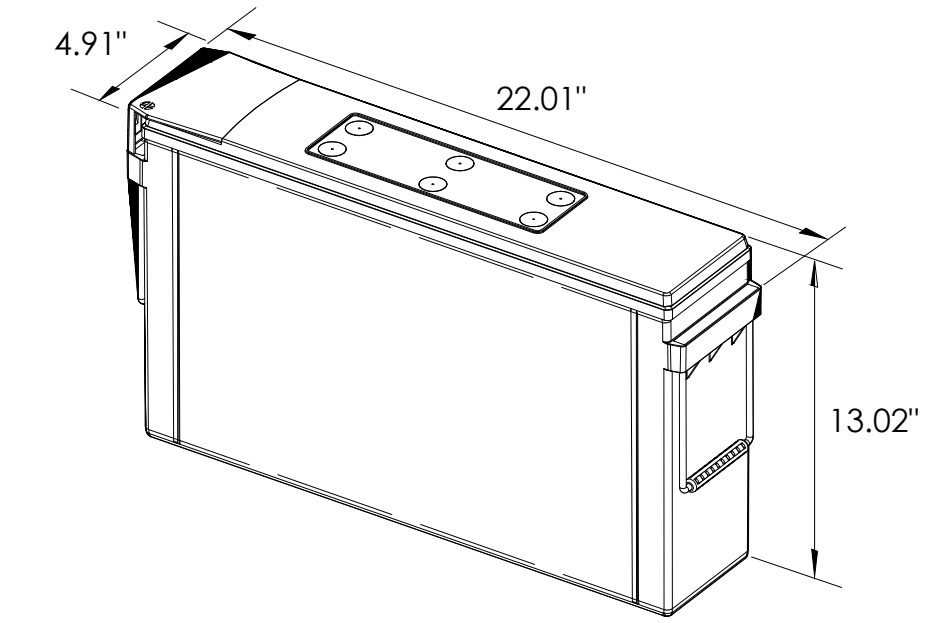
BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG:	ALPHA
MODEL:	210 FTX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

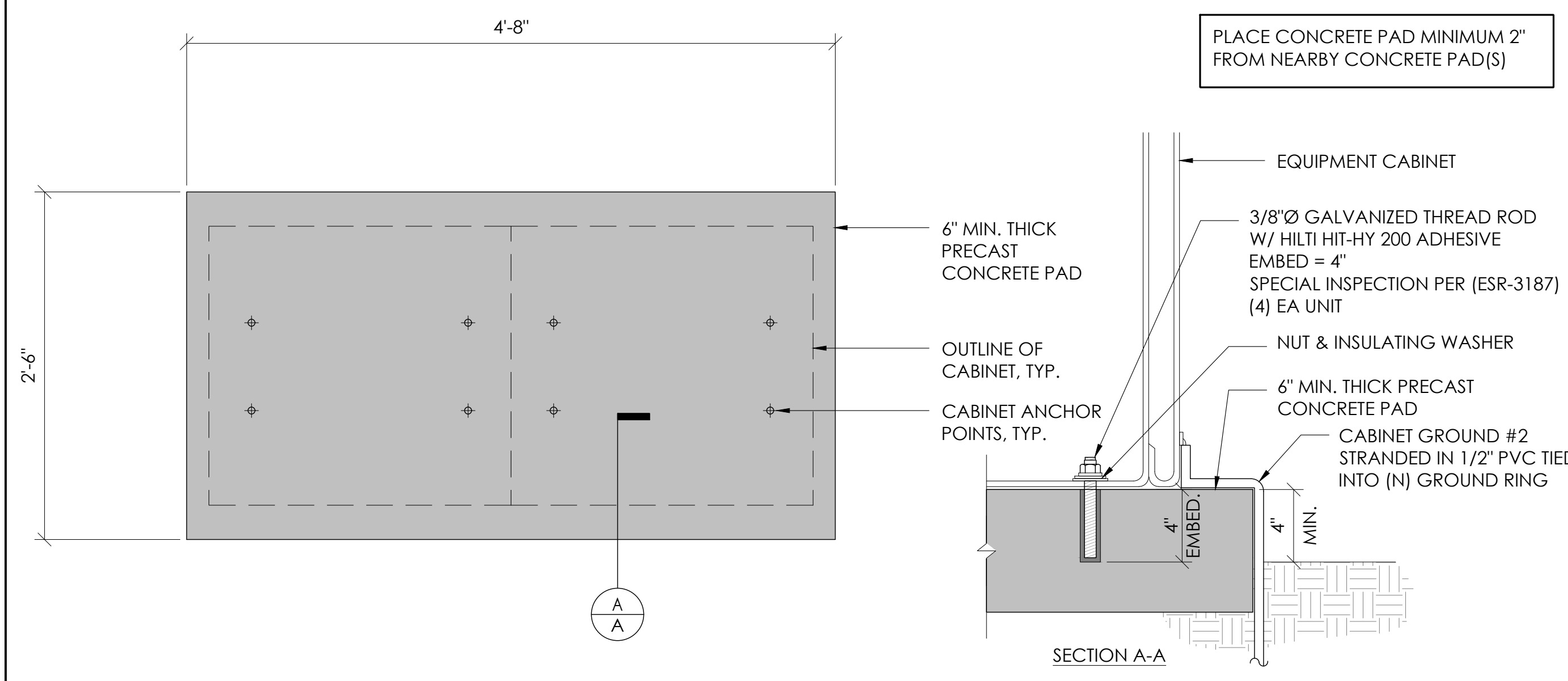


ALPHA 210 FTX BATTERY UNIT

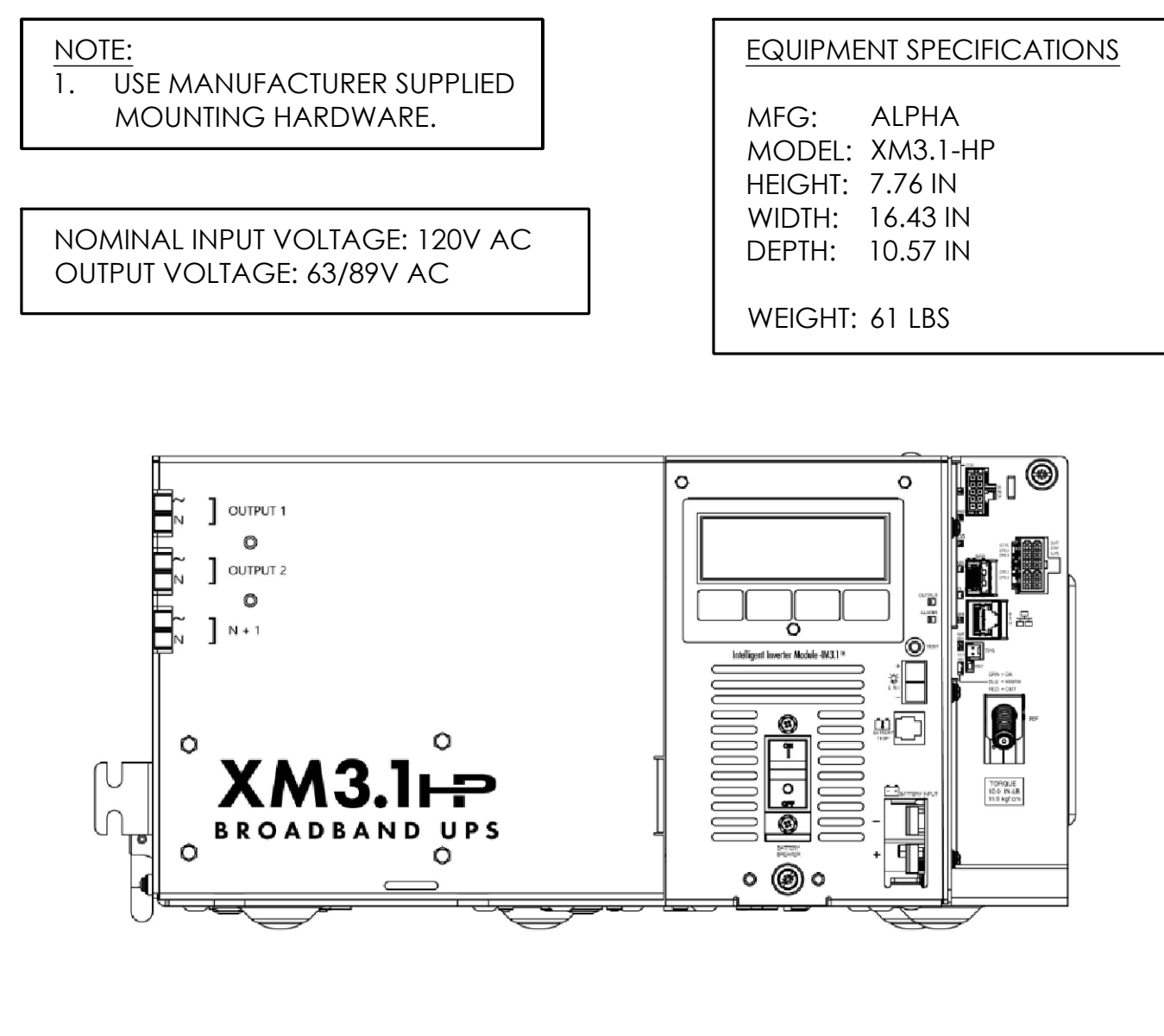
BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

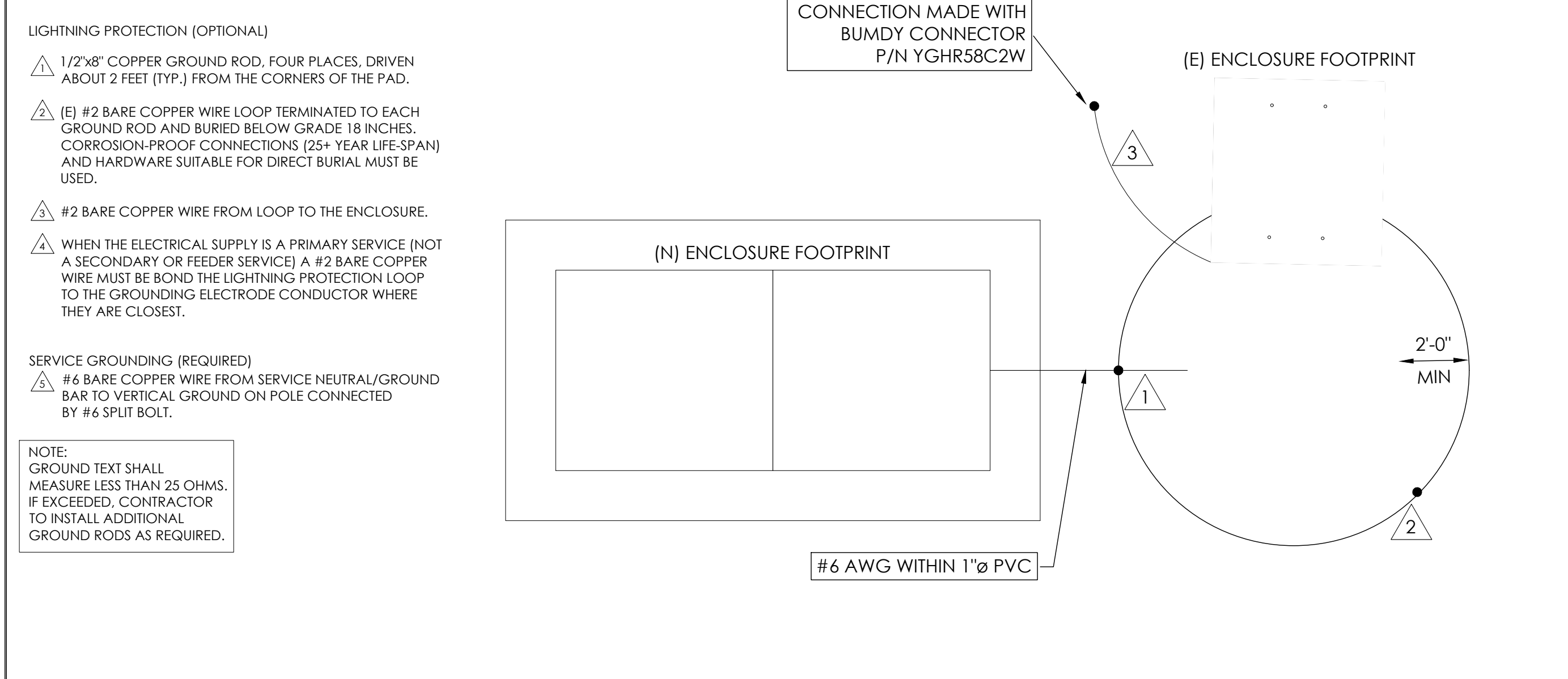
7 BATTERY SPECIFICATIONS
N.T.S.



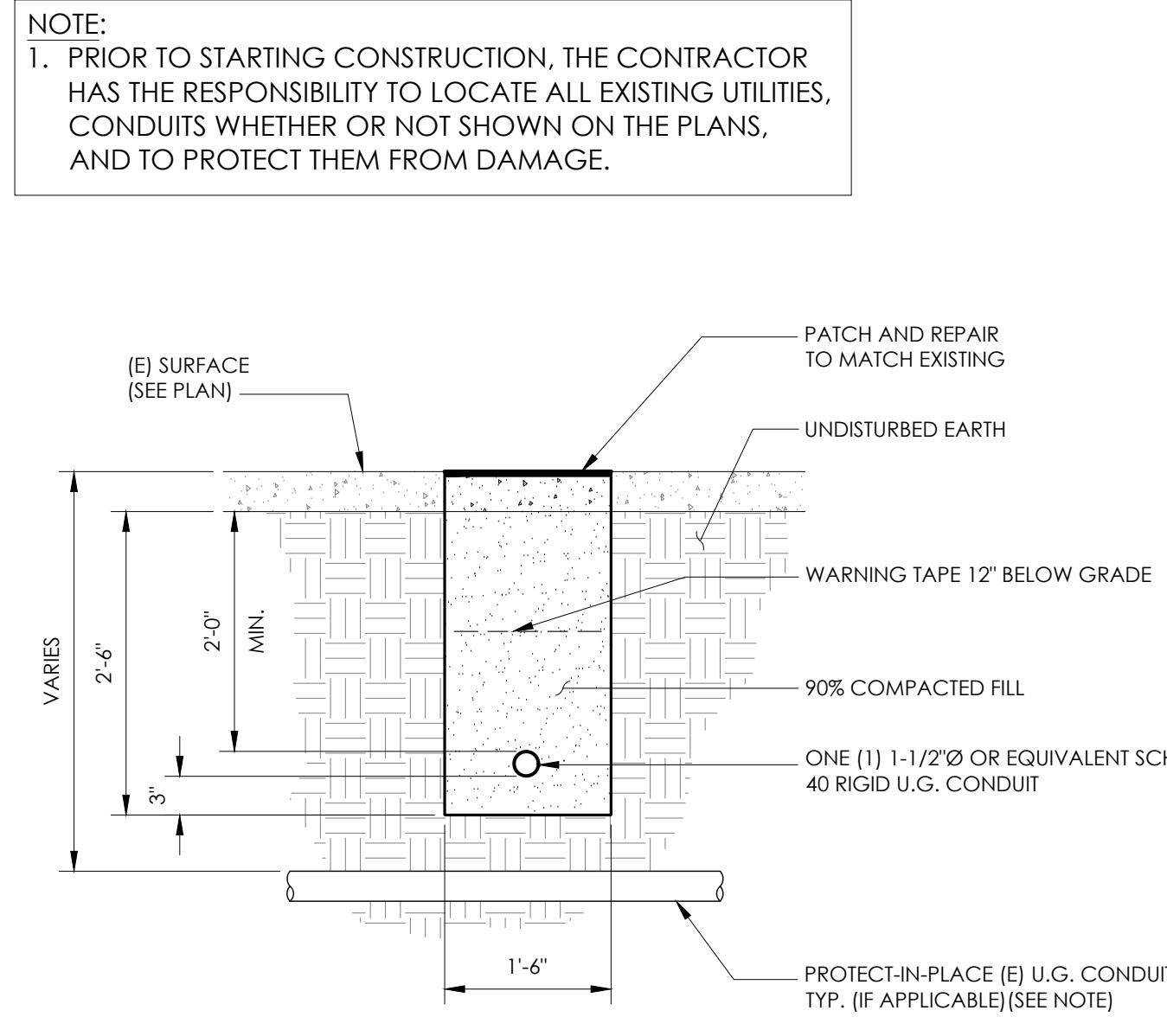
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



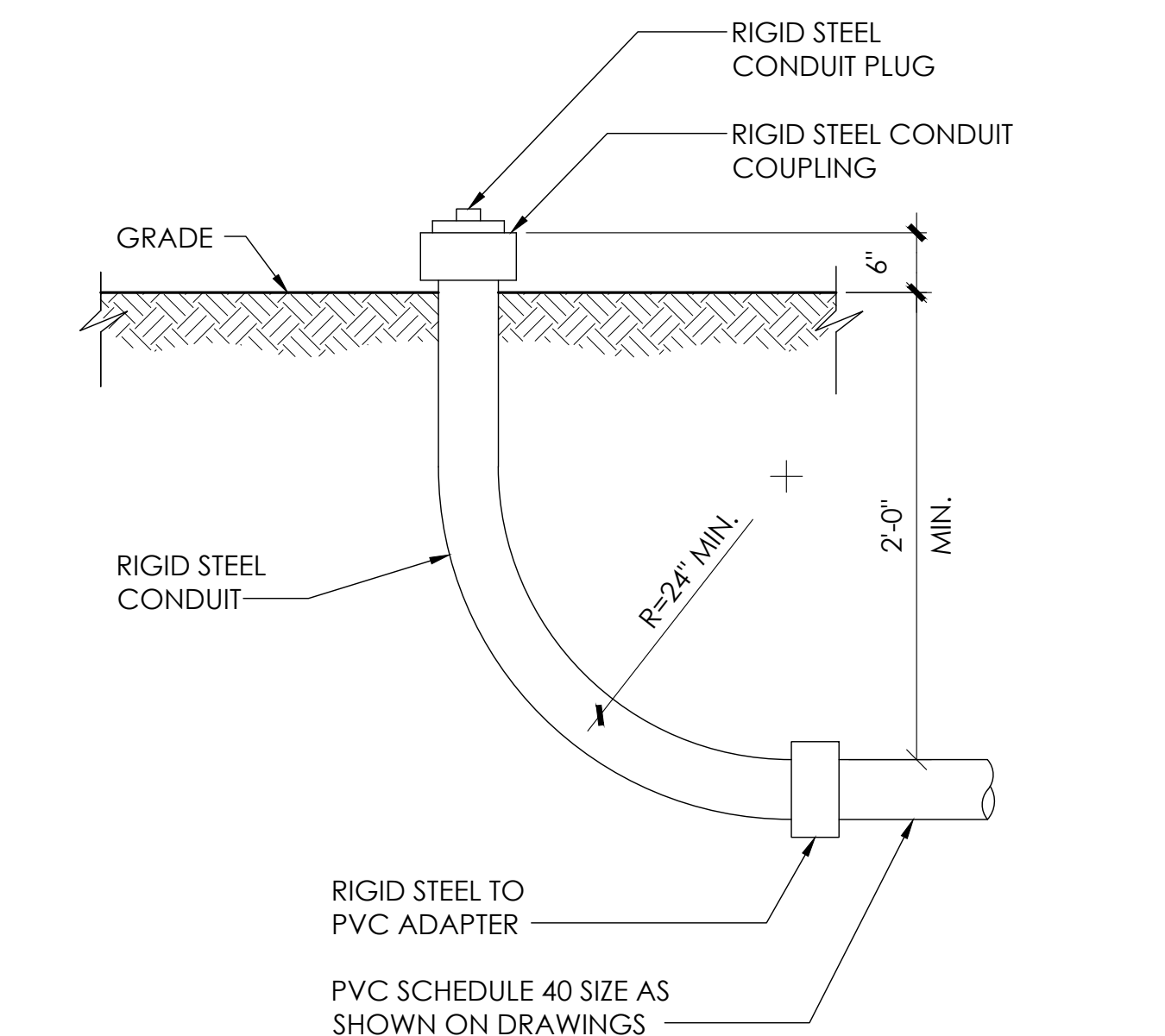
5 POWER SUPPLY DETAIL
N.T.S.



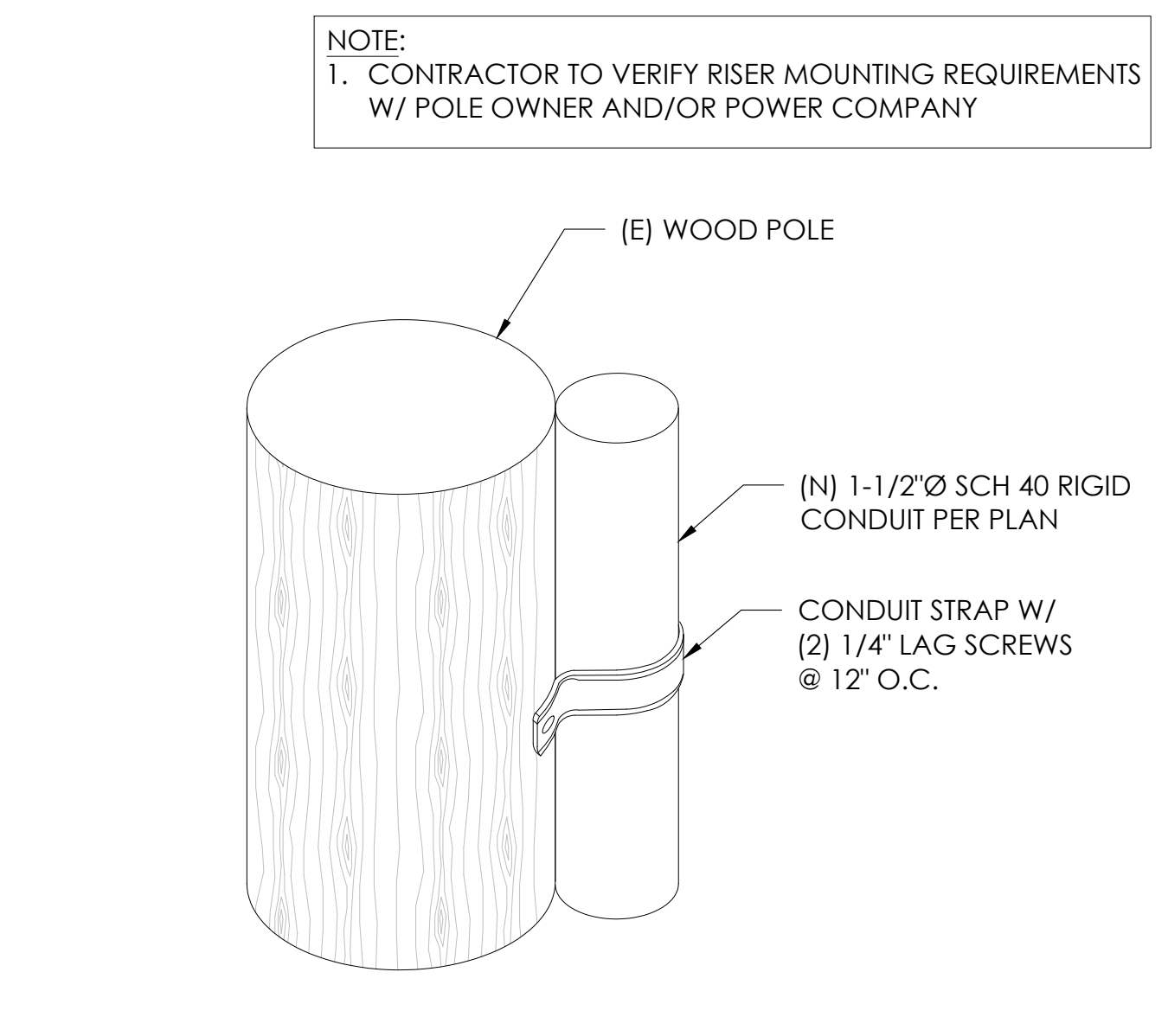
3 GROUNDING DETAIL
N.T.S.



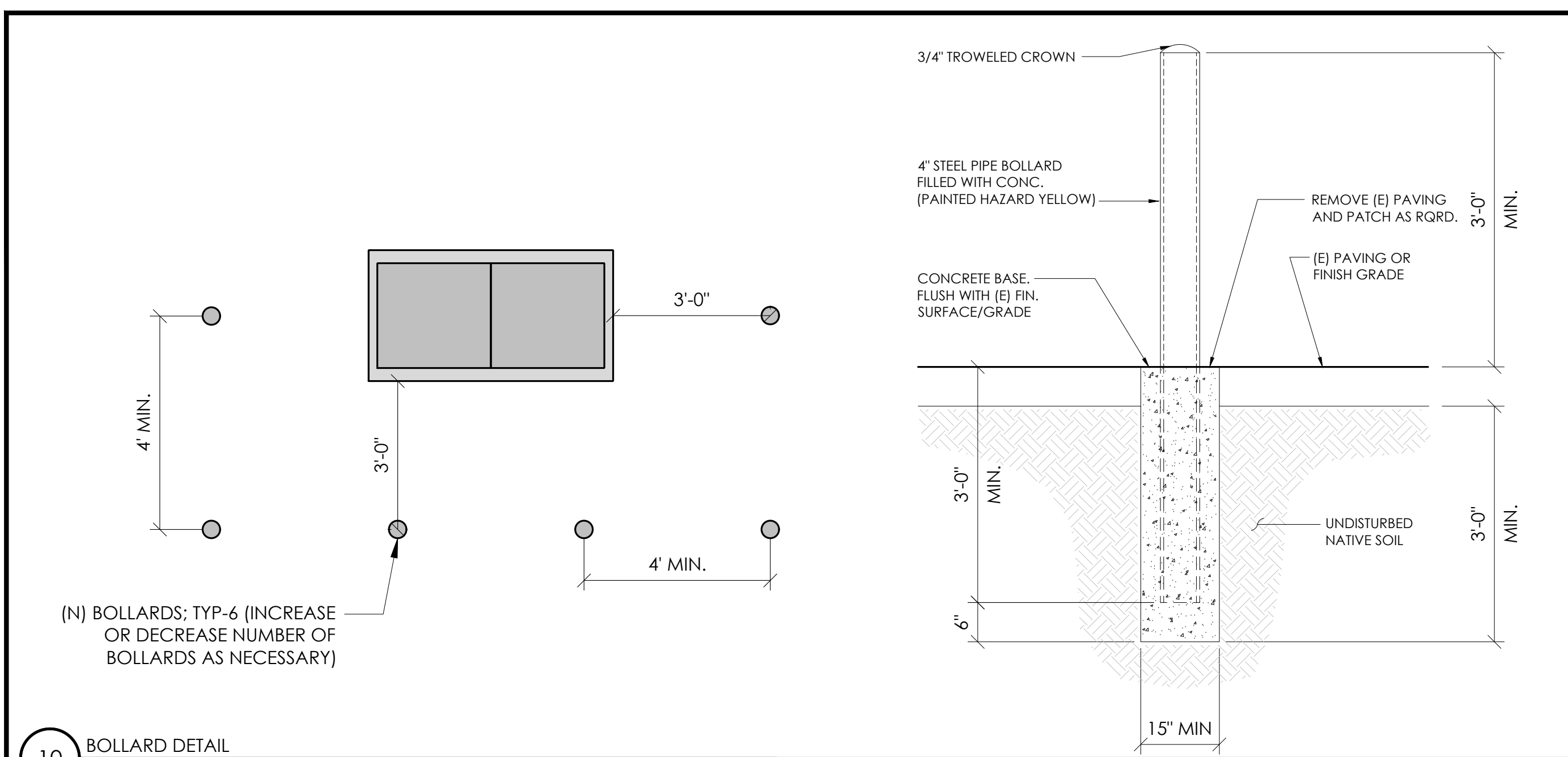
6 TRENCHING DETAIL
N.T.S.



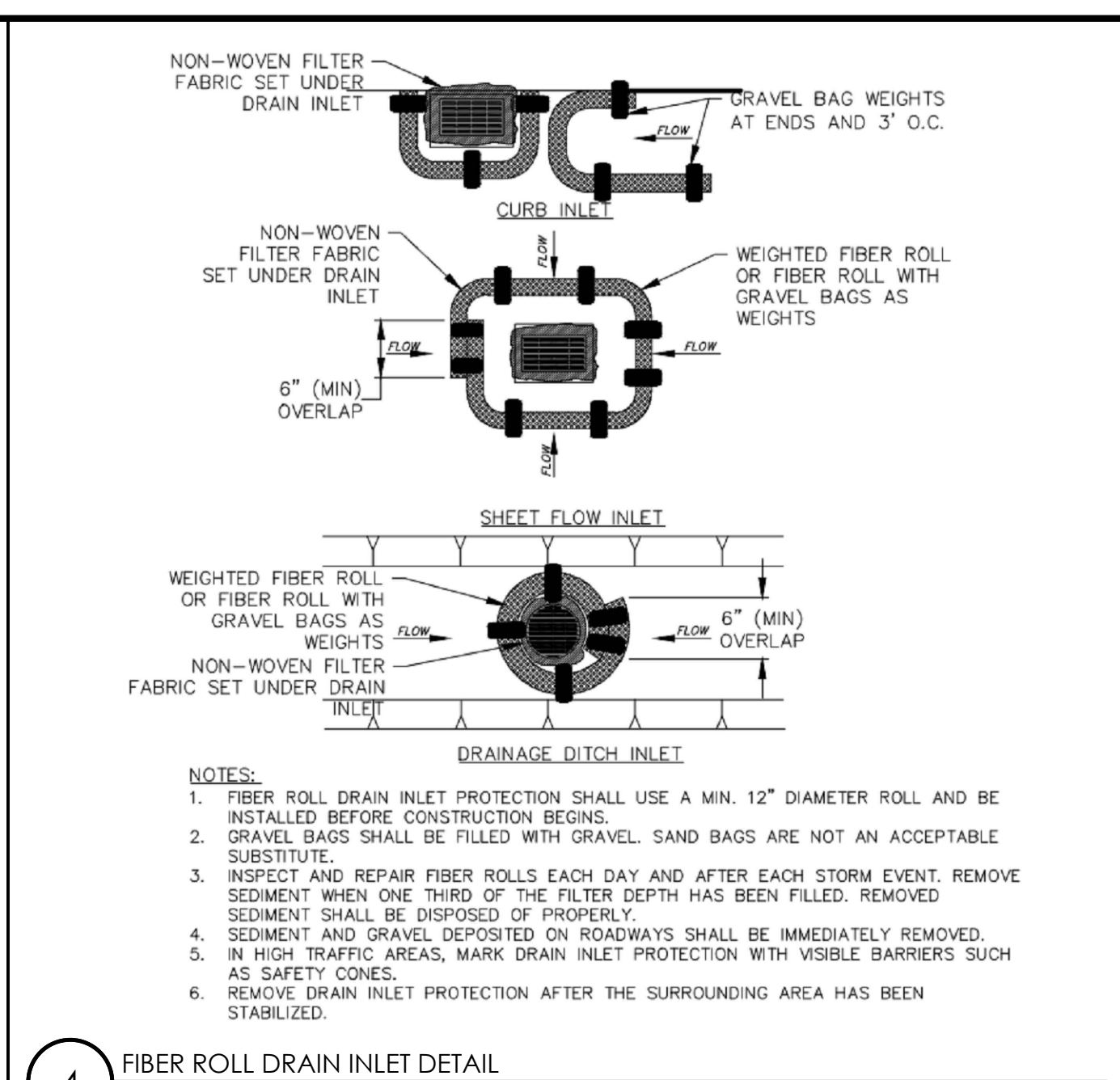
8 STUB-UP DETAIL
N.T.S.



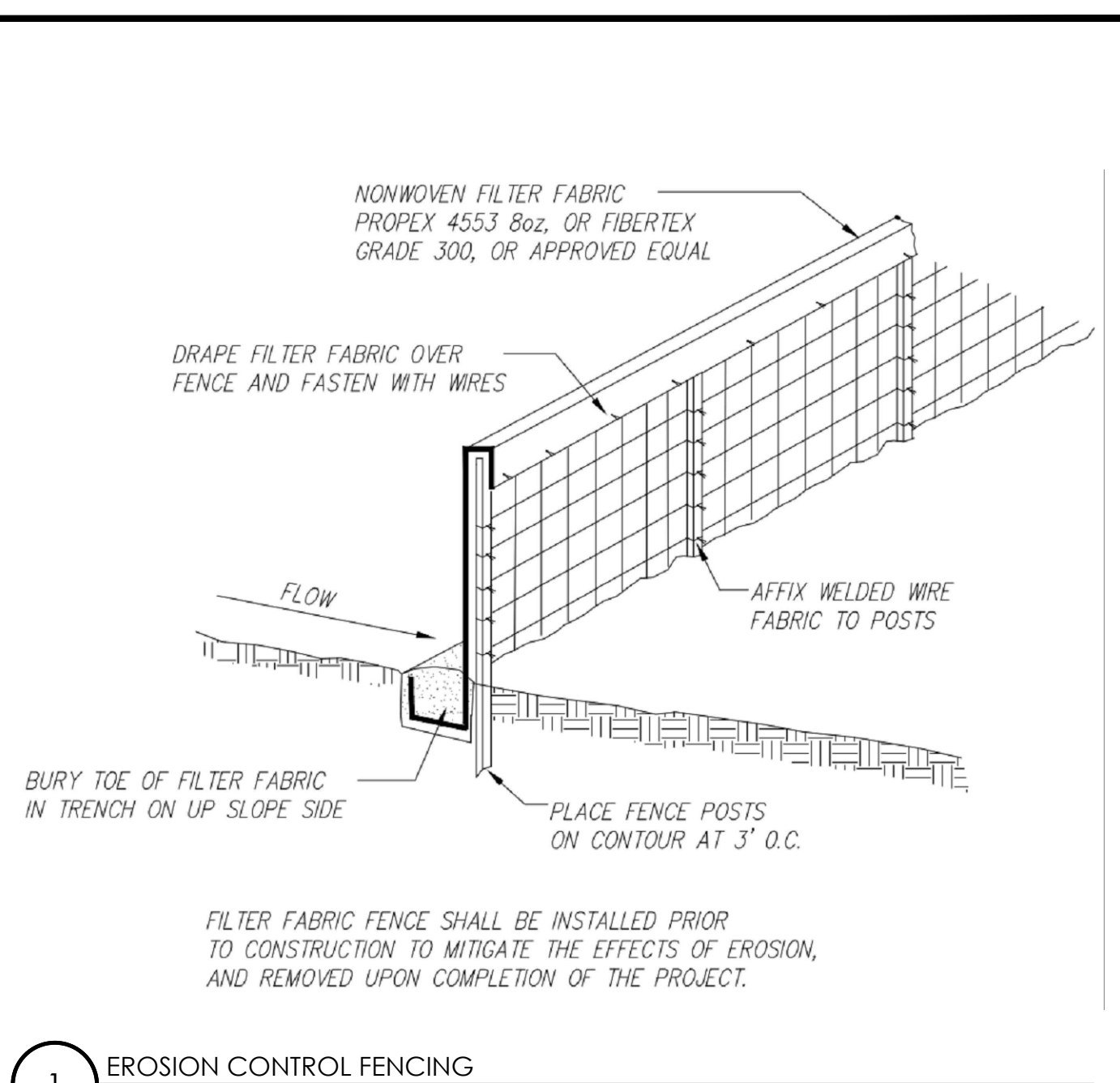
9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



10 BOLLARD DETAIL
N.T.S.



4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.

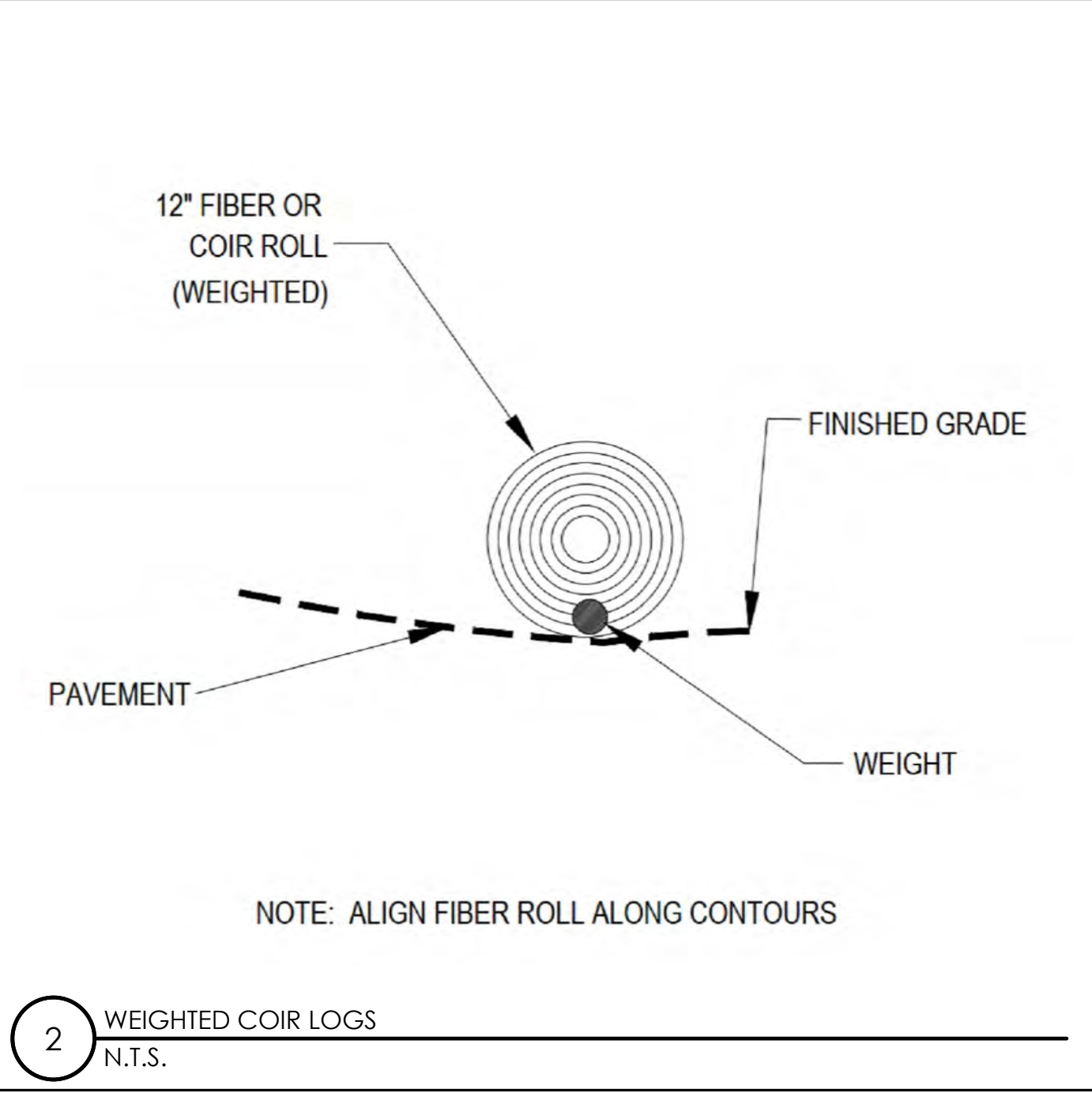


1 EROSION CONTROL FENCING
N.T.S.

11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

5 NOT USED
N.T.S.

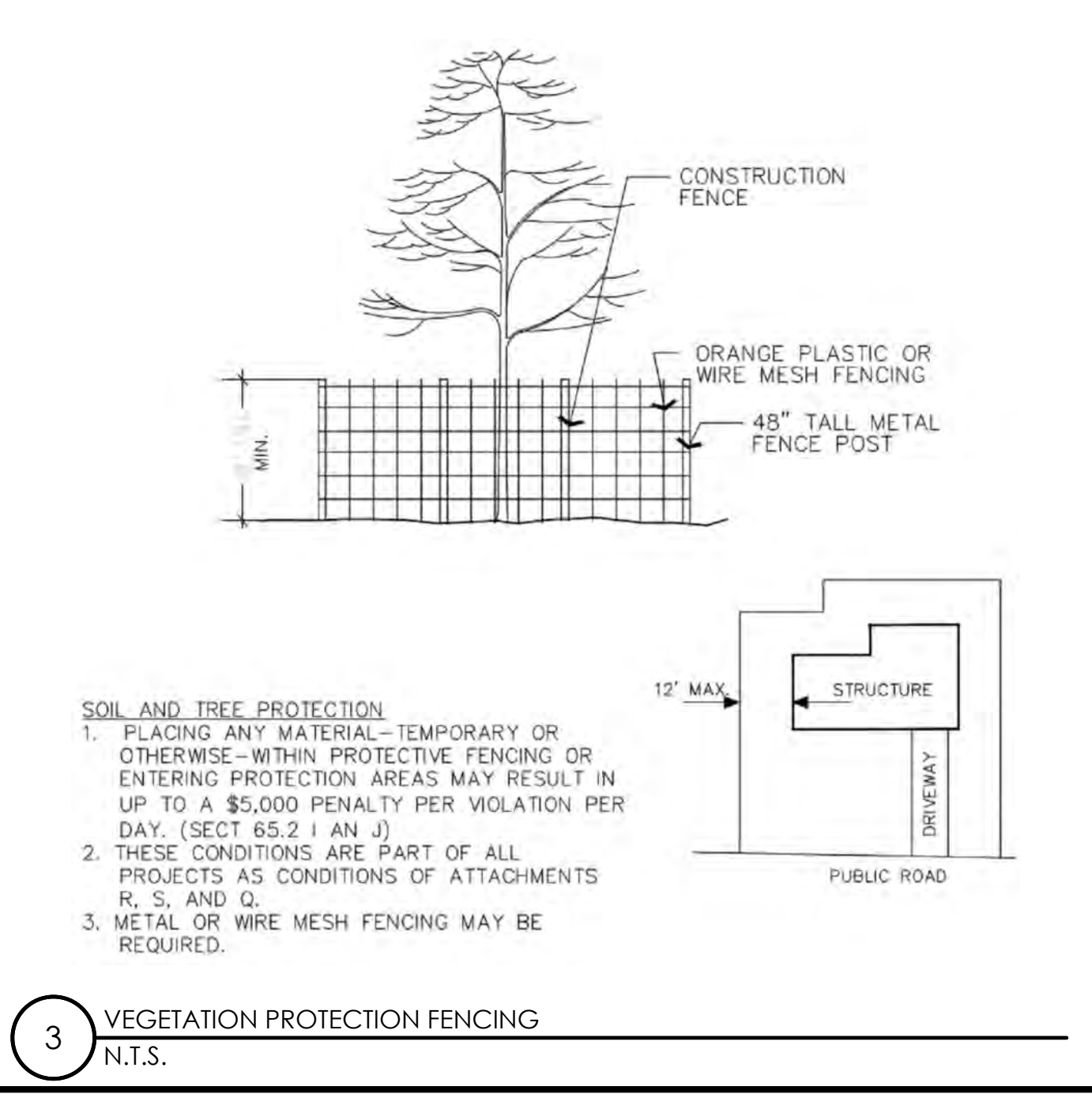


2 WEIGHTED COIR LOGS
N.T.S.

12 NOT USED
N.T.S.

9 NOT USED
N.T.S.

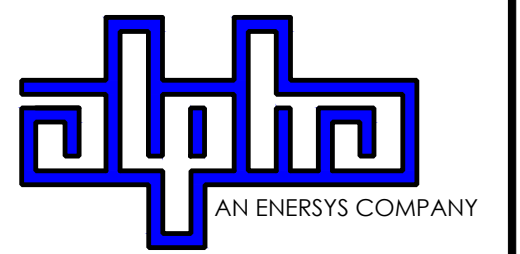
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



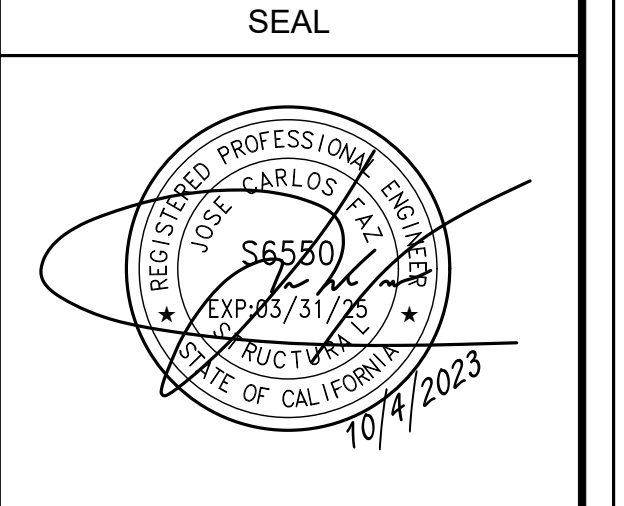
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069681

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
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SEAL



SITE INFORMATION

SITE ID:
ST119A_

SITE ADDRESS:
3046 FRESNO AVE,
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96150

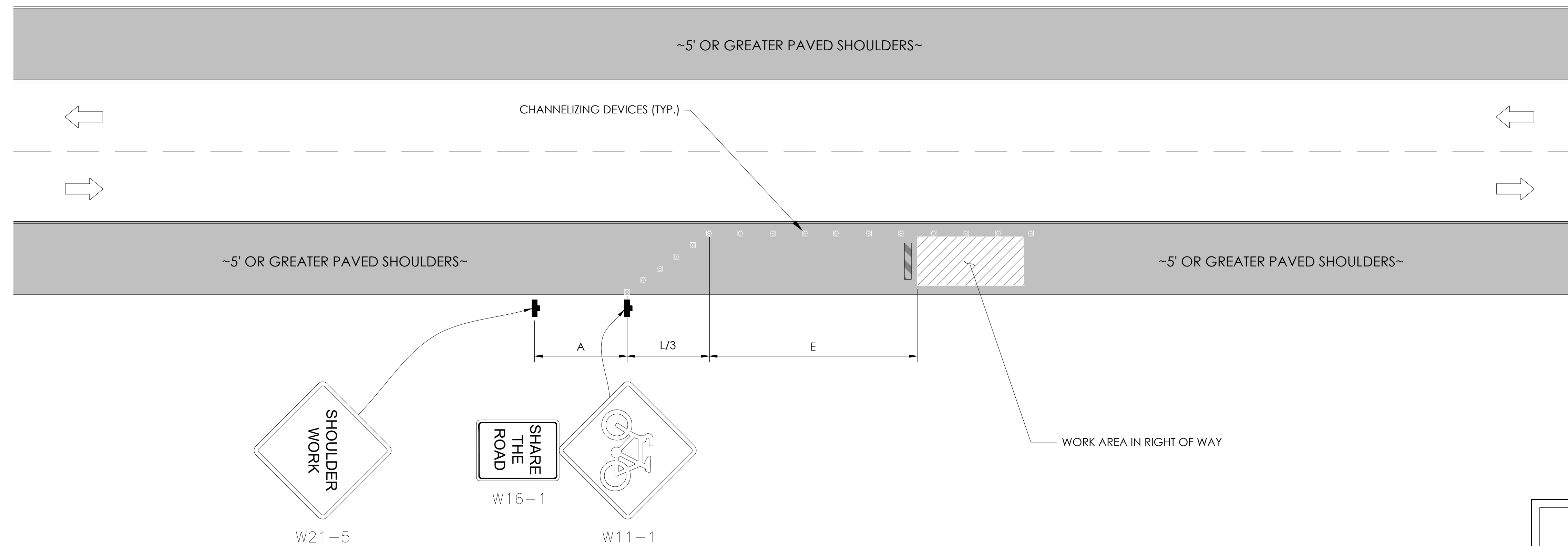
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



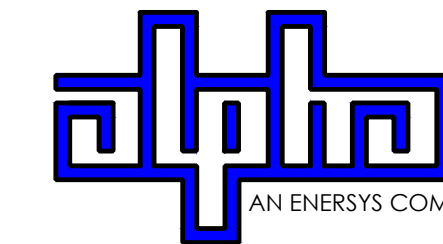
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



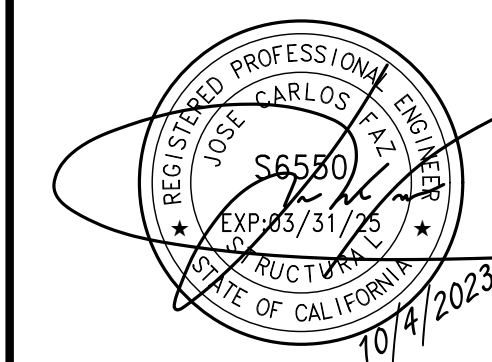
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069681

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
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2	12/05/22	100% CD REV PER PCC#1	LG
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SEAL



SITE INFORMATION

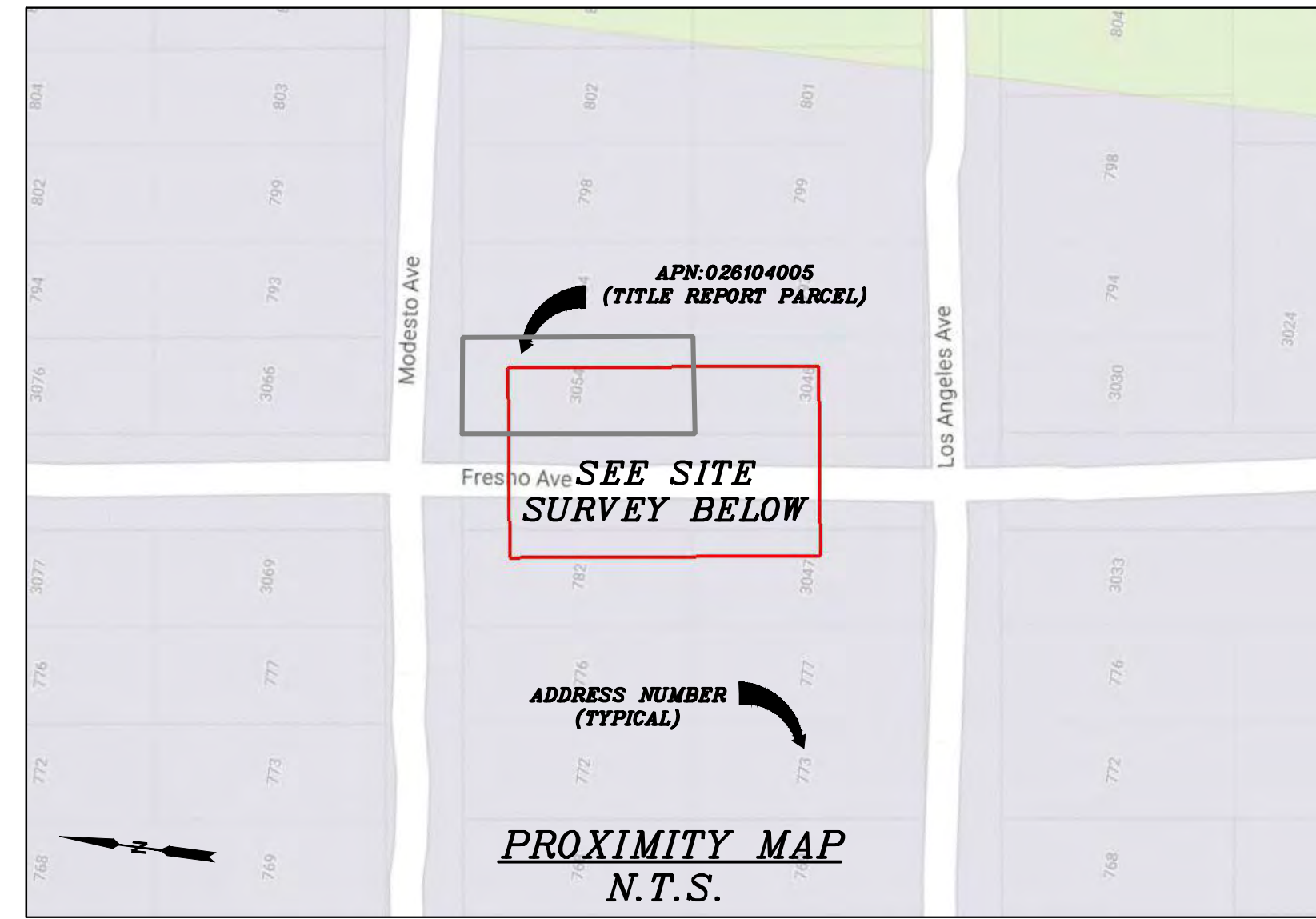
SITE ID:
ST119A_

SITE ADDRESS:
3046 FRESNO AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

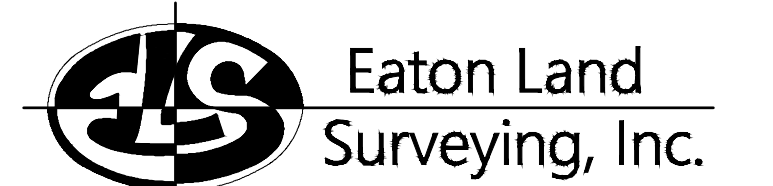
TRAFFIC CONTROL

TC1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: HE
CHECKED BY: SE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/27/23	SUBMITTAL

SURVEY DATE
08/25/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

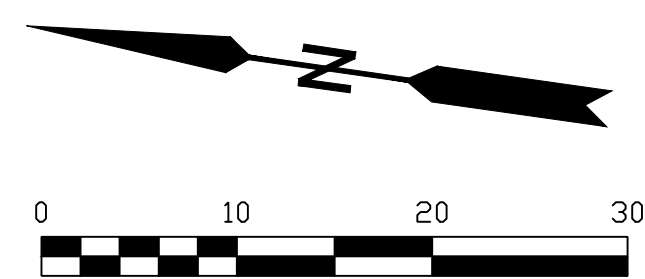
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 18' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE 'CRTN' REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X" ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

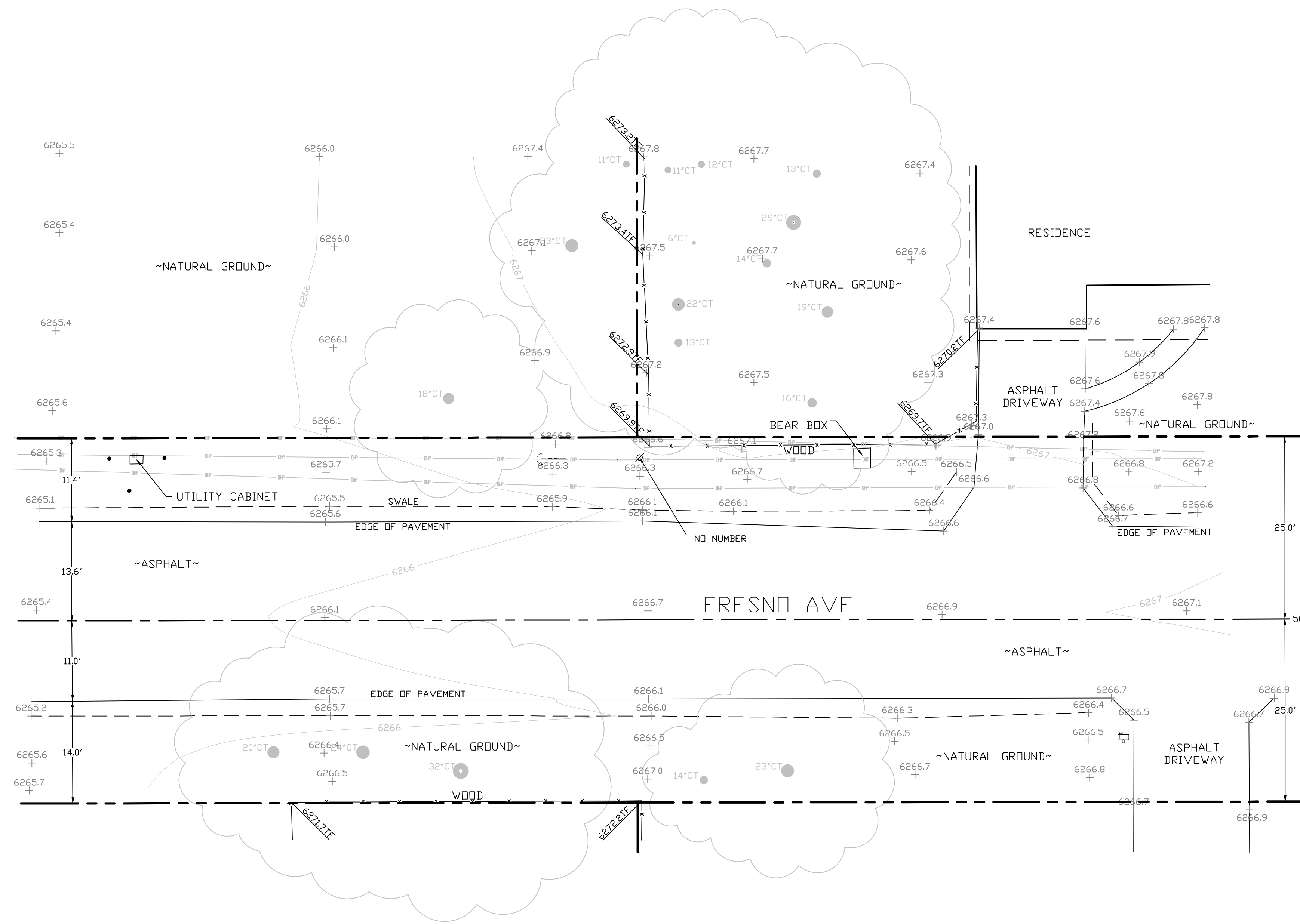
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 3 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 026-104-005
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032262 DATED 08/31/2023;



LEGEND

- These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX (MOVABLE)
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - BOLLARD



SITE SURVEY
SCALE 1"=10'



EXP. 12/31/23

PROJECT INFORMATION:

ST119A
3046 FRESNO AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:

SITE SURVEY

SHEET NUMBER:

LS-1



EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST139A_

SITE ADDRESS: 3150 FRESNO AVE, SOUTH LAKE TAHOE, CA 96150

Table with 2 columns: SITE INFORMATION and Description. Includes site address, coordinates, jurisdiction, power provider, structure type, output voltage spec, input voltage spec, amp draw, hydraulic related area, coverage, and cut/fill volume.

Table with 2 columns: SHEET and DESCRIPTION. Lists sheets T1, LS-1, A1, D1, D2, and TC1 with their respective descriptions.

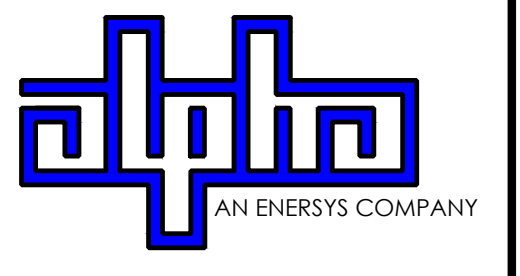
Table with 2 columns: OWNER/APPLICANT and ENGINEER/ARCHITECT. Lists Charter Communications, Alpha Technologies, Inc., and J5 Infrastructure Partners.

Table with 2 columns: CODE COMPLIANCE. Lists various California building, electrical, and plumbing codes.

GENERAL CONTRACTOR NOTES: DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36). CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

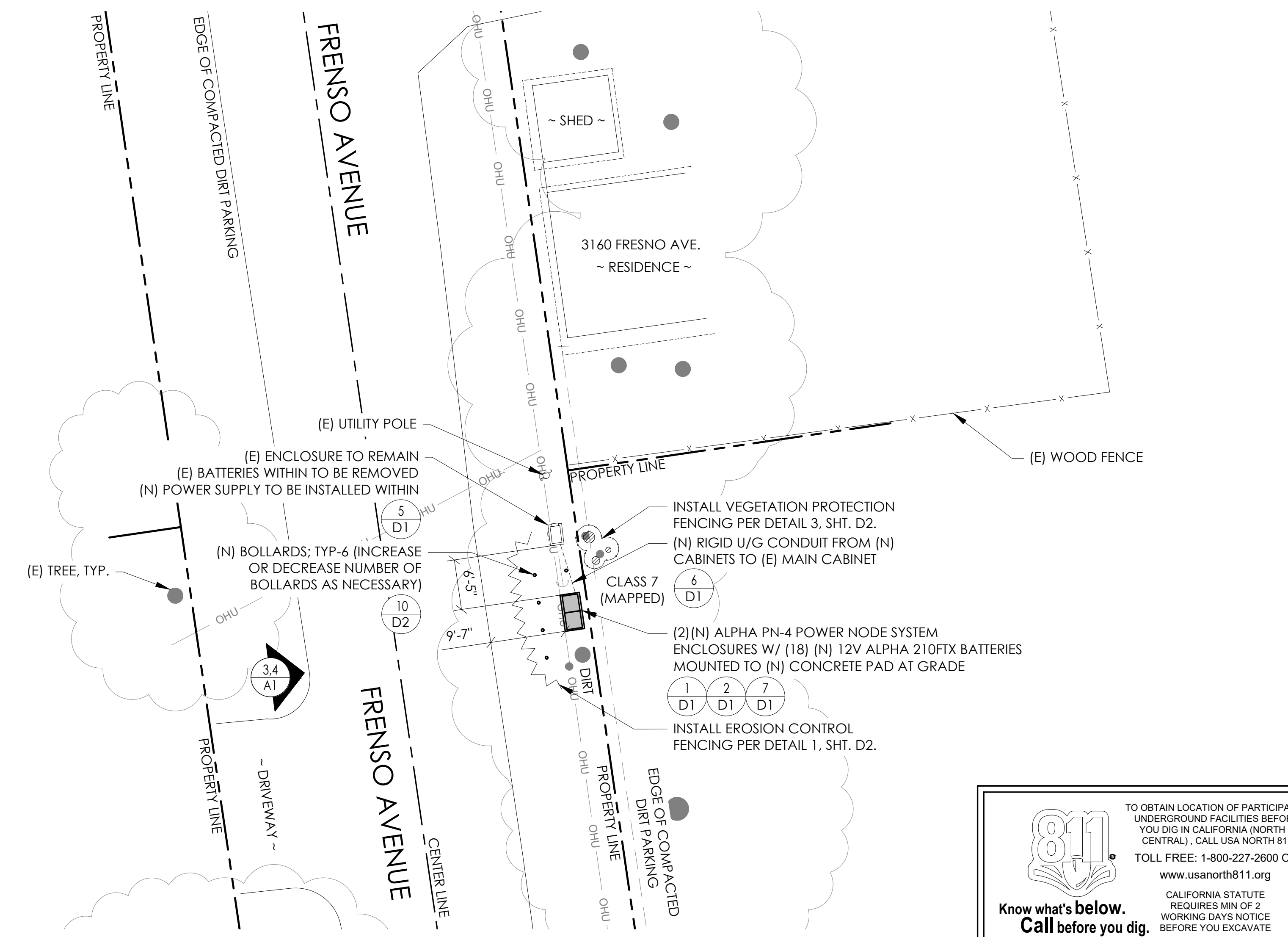
J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069702

ISSUE STATUS

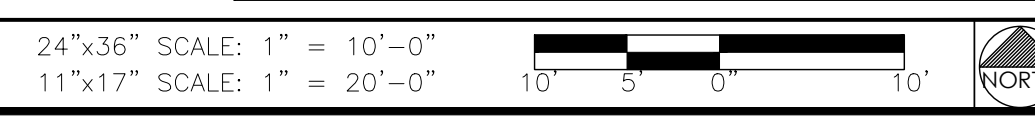
Table with 4 columns: REV, DATE, DESCRIPTION, BY. Shows revision history for the drawing.

- 2B SCOPE OF WORK: THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF: INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES, INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES, etc.

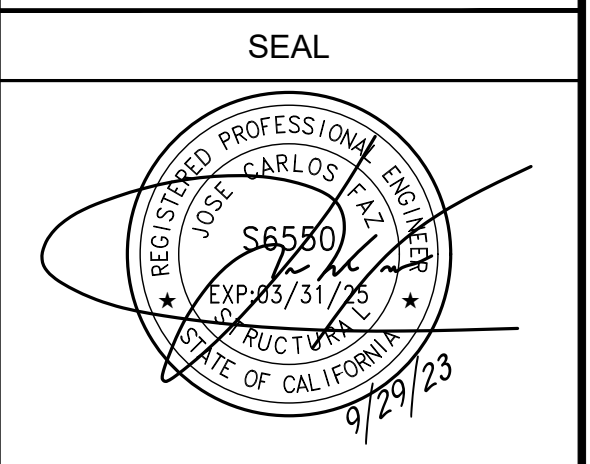
NOTES: (P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



811 logo and text: TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811. TOLL FREE: 1-800-227-2600 OR www.usanorth811.org



SITE PLAN



SITE INFORMATION

SITE ID: ST139A_ SITE ADDRESS: 3150 FRESNO AVE, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE: TITLE SHEET

T1



VICINITY MAP
N.T.S.



PROXIMITY MAP
N.T.S.



SITE PHOTO

SURVEY DATE
08/30/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

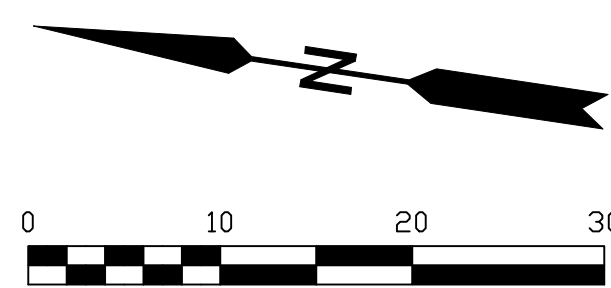
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

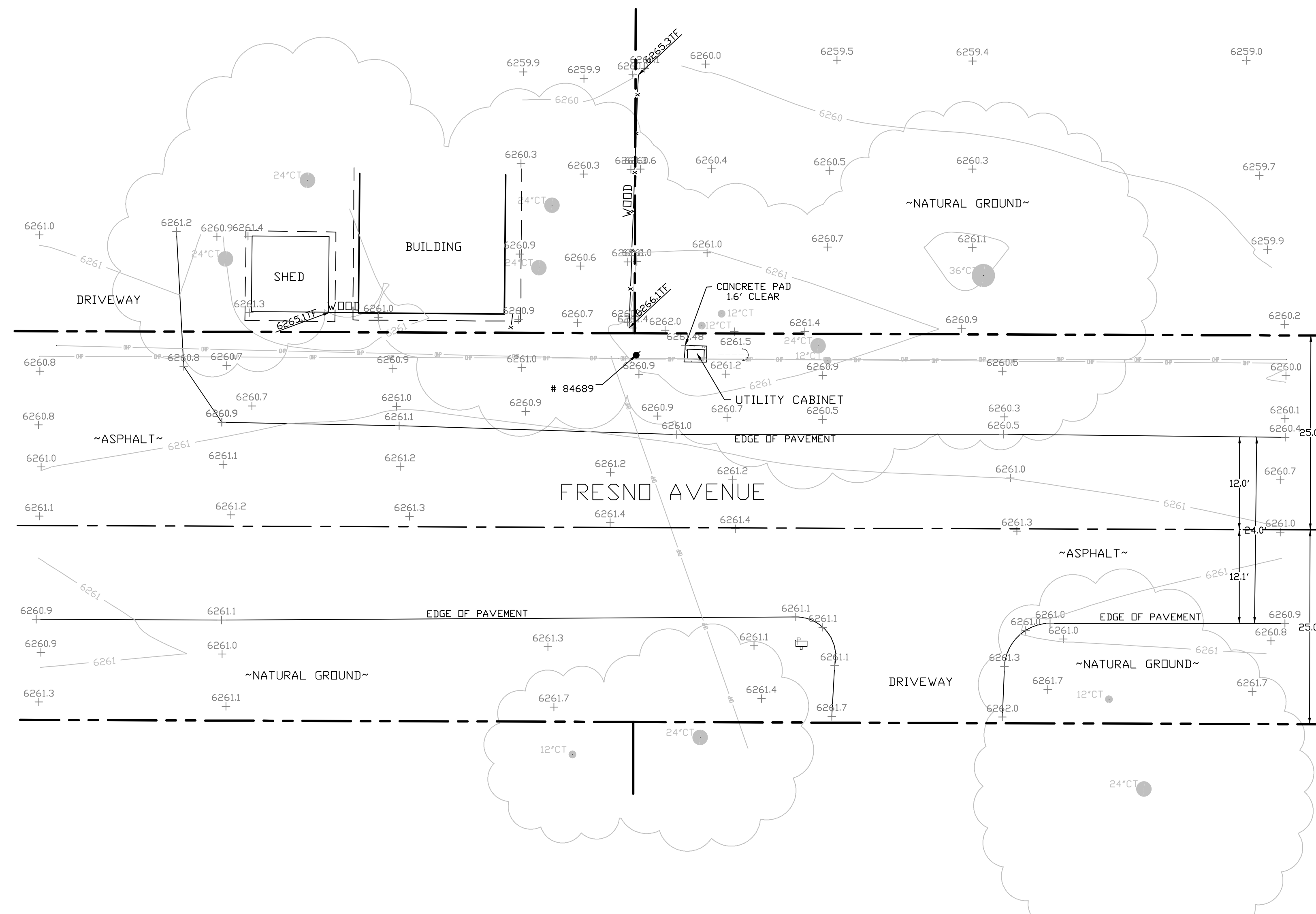
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 3 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 026-037-005-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032282 DATED 08/31/2023;



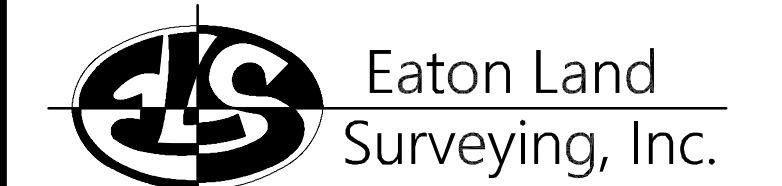
- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL

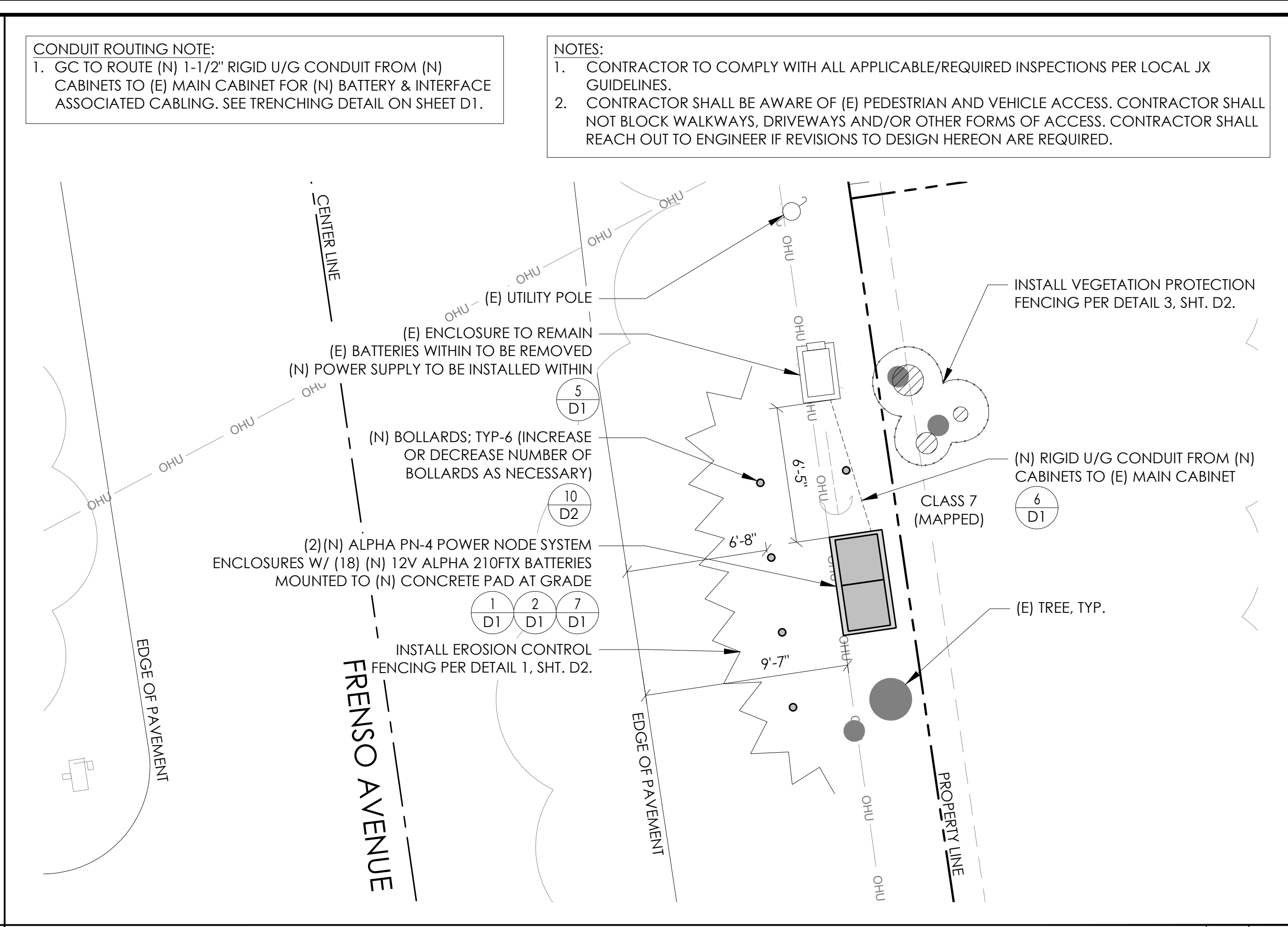
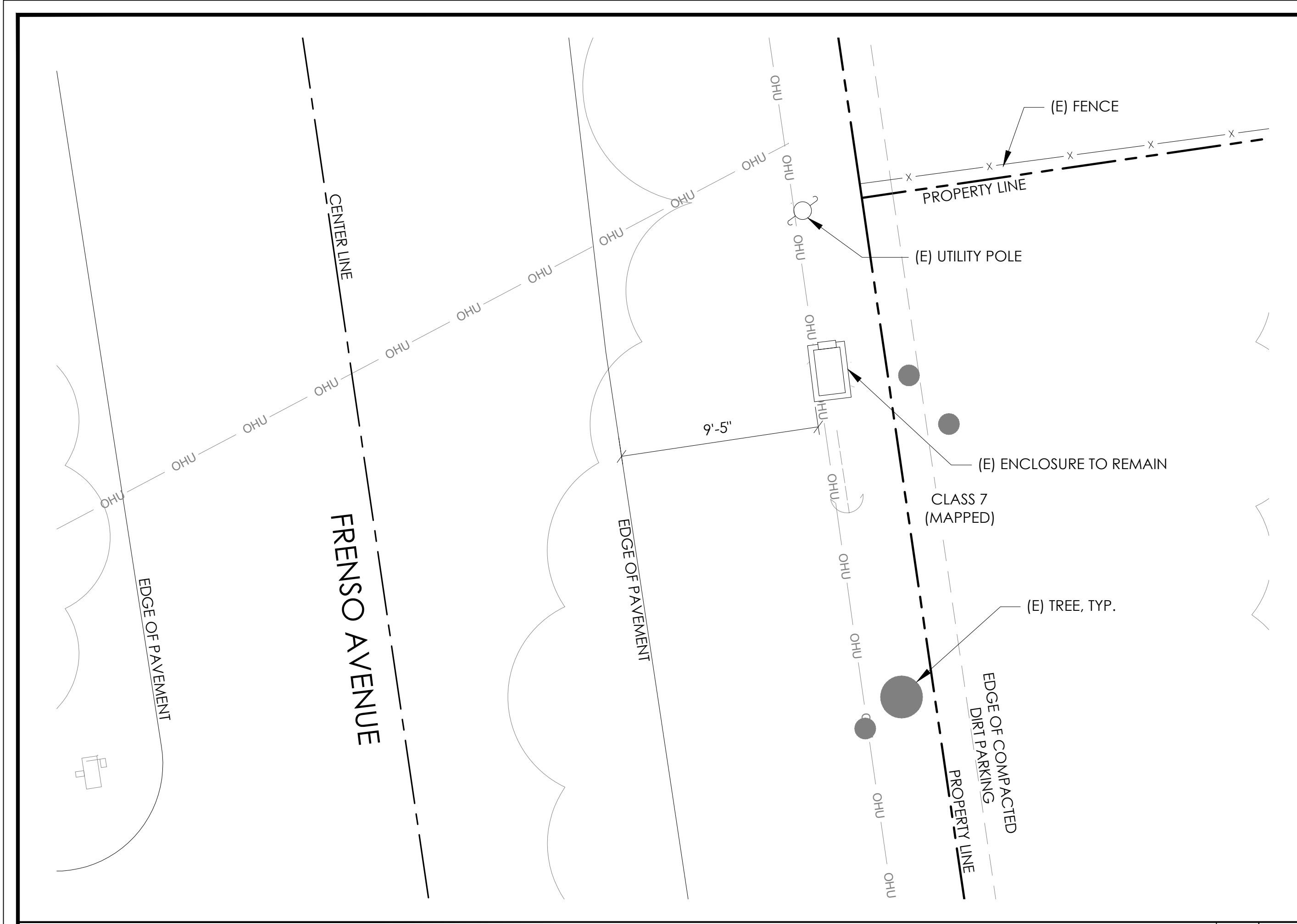


PROJECT INFORMATION:
ST139A
3150 FRESNO AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1





Charter Spectrum
9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY
3767 ALPHA WAY
BELLINGHAM, WA 98226

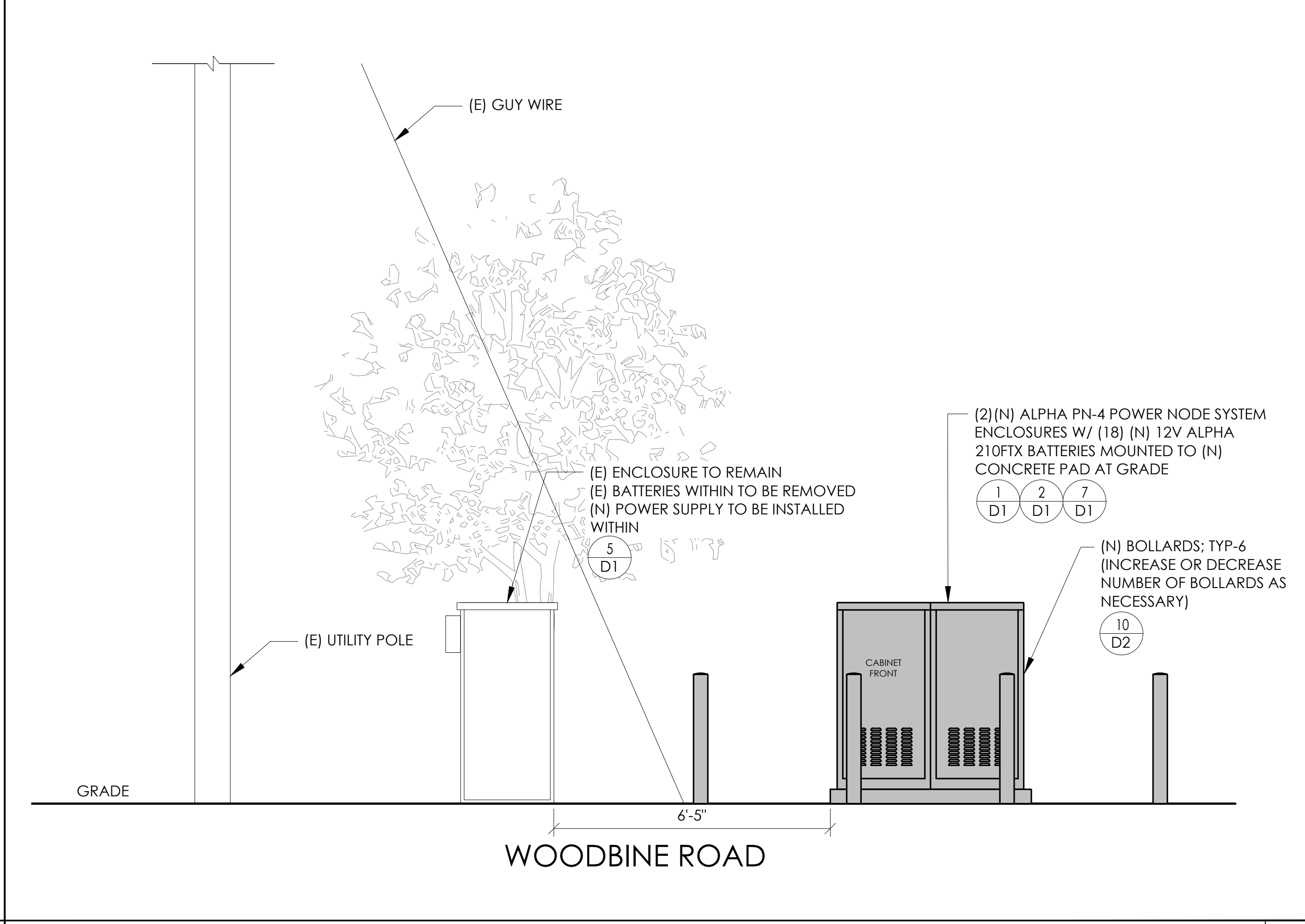
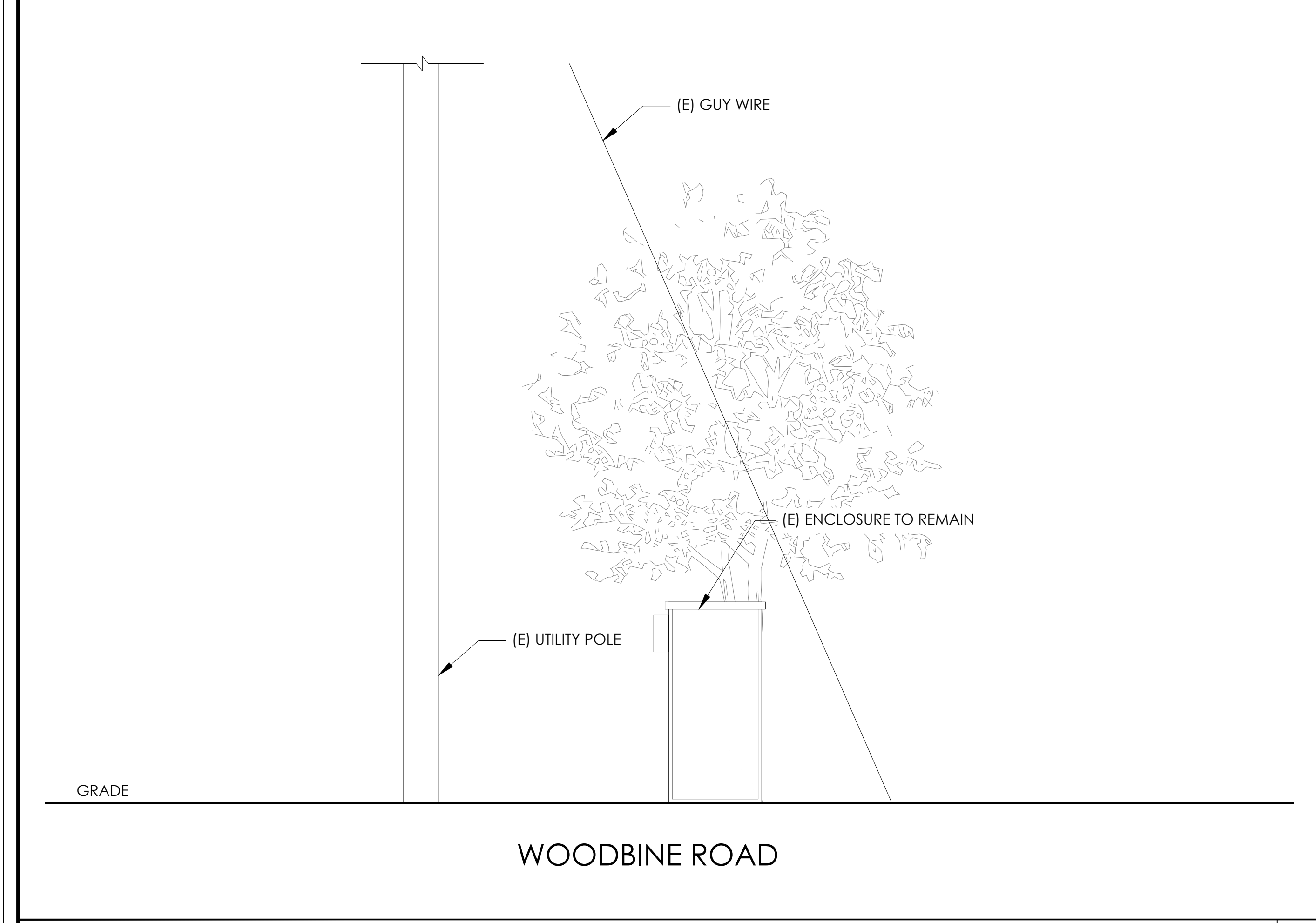
J5 INFRASTRUCTURE
23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069702

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/28/23	SURVEY SHEET ADD	MZ

EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3

SEAL

REGISTERED PROFESSIONAL ENGINEER
JOSE CARLOS FAY
S6550
EXPIRES 3/31/25
STRUCTURAL
STATE OF CALIFORNIA
9/29/23

SITE INFORMATION

**SITE ID:
ST139A**

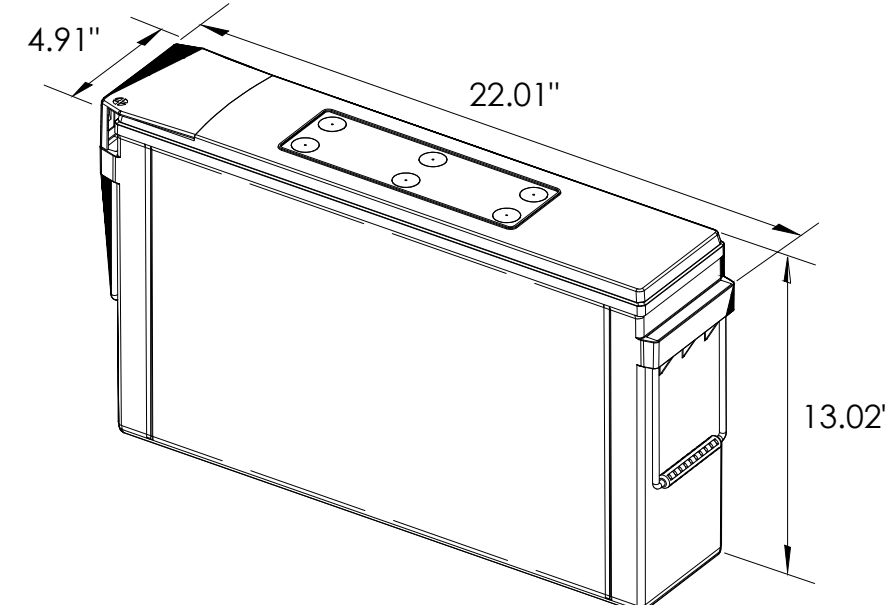
SITE ADDRESS:
3150 FRESNO AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT

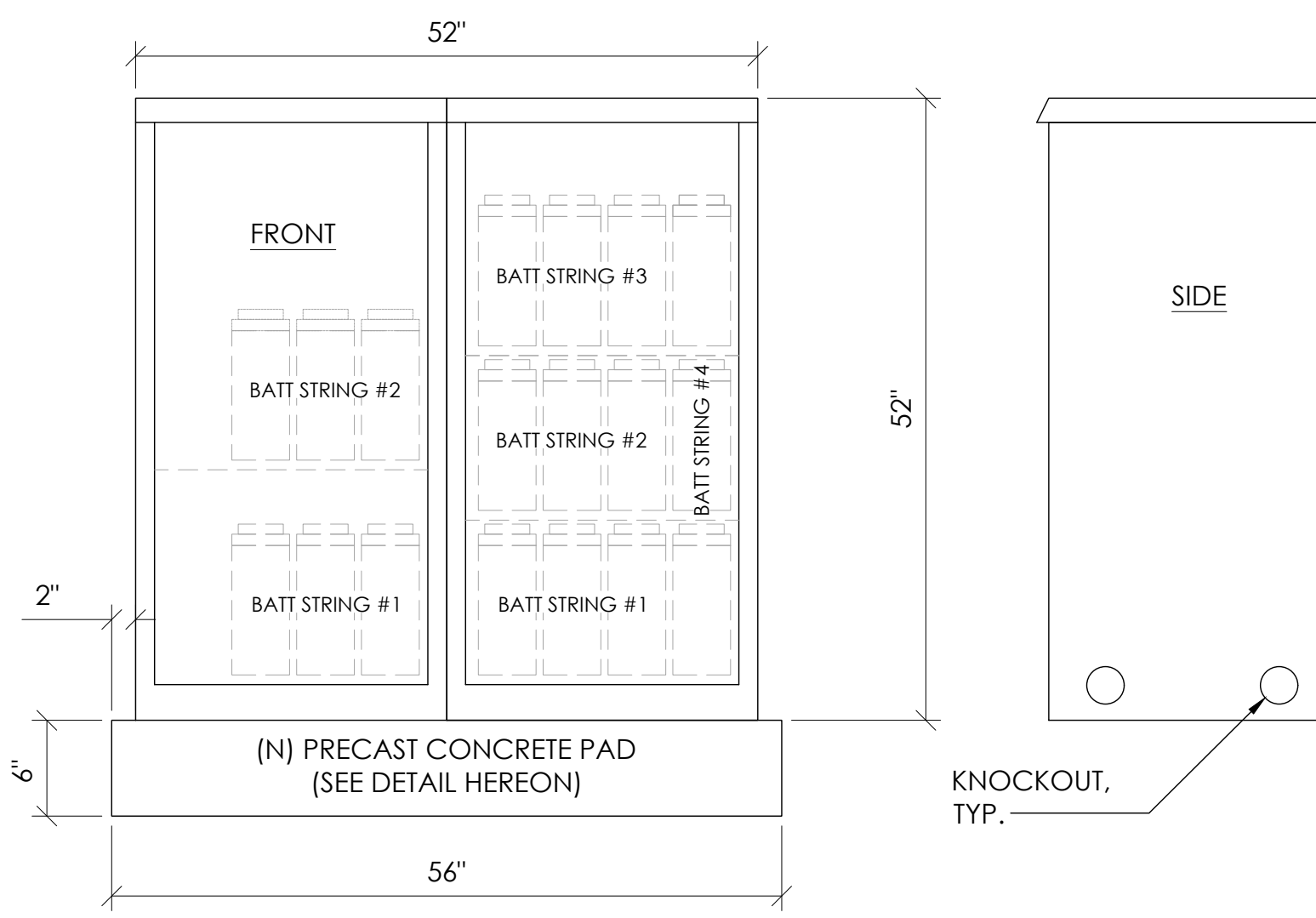


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

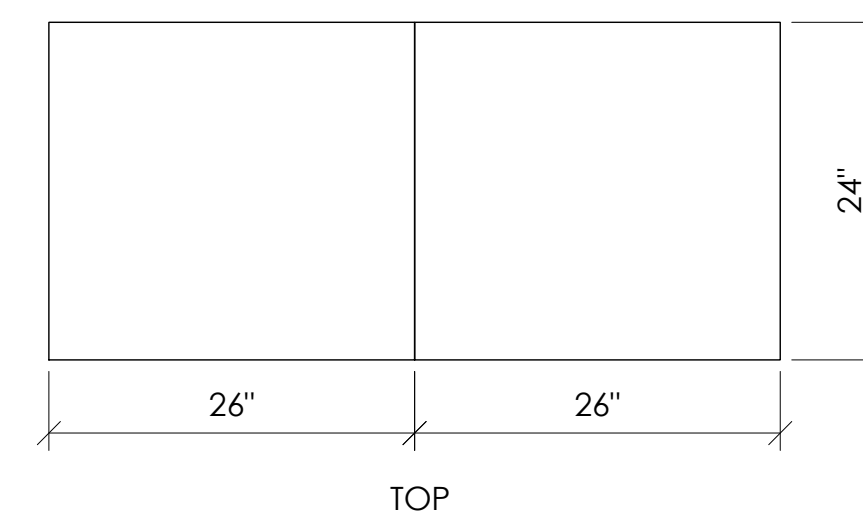
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

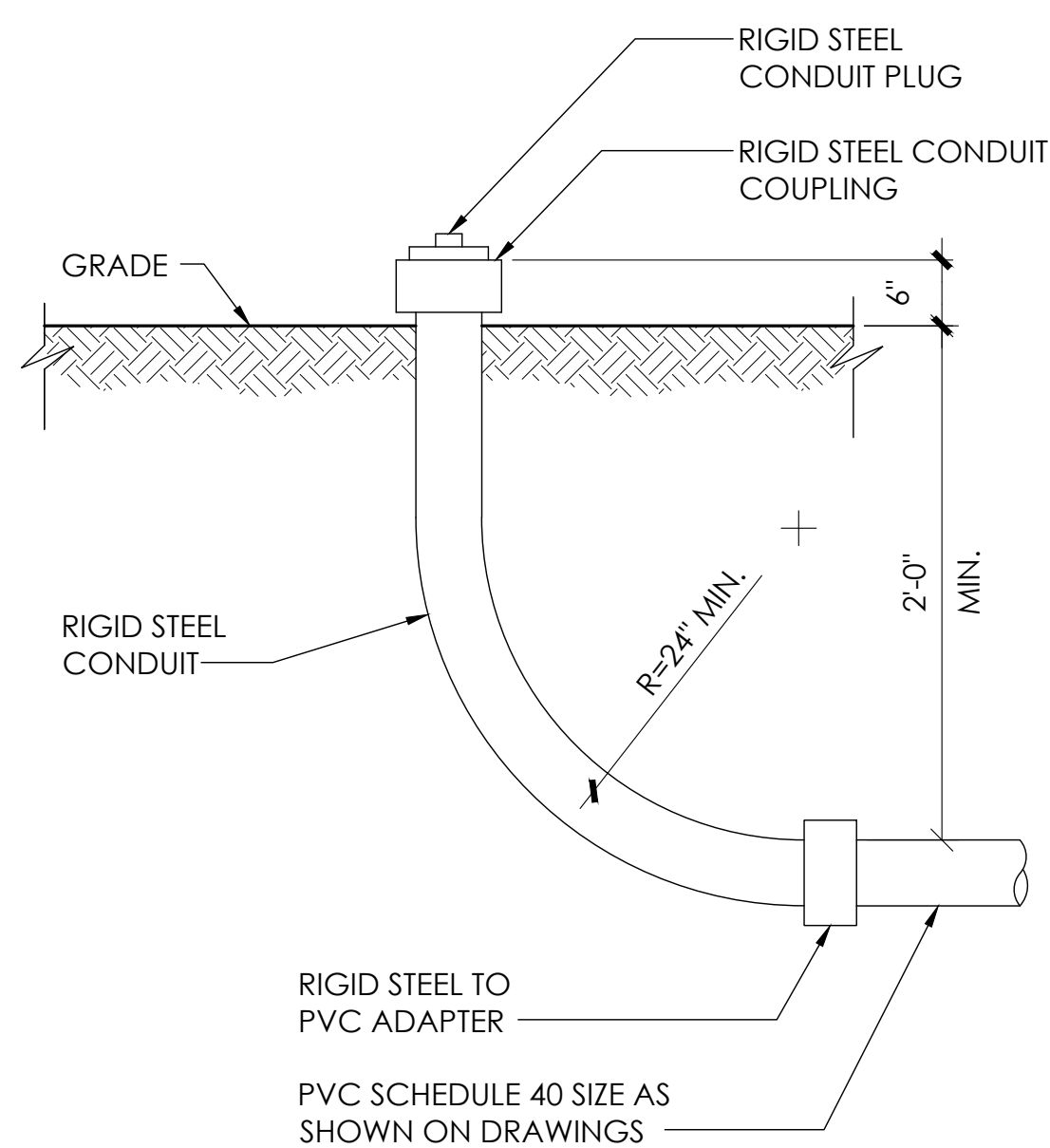


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	
CABINET #1:	(4) BATTERY STRINGS
CABINET #2:	(2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



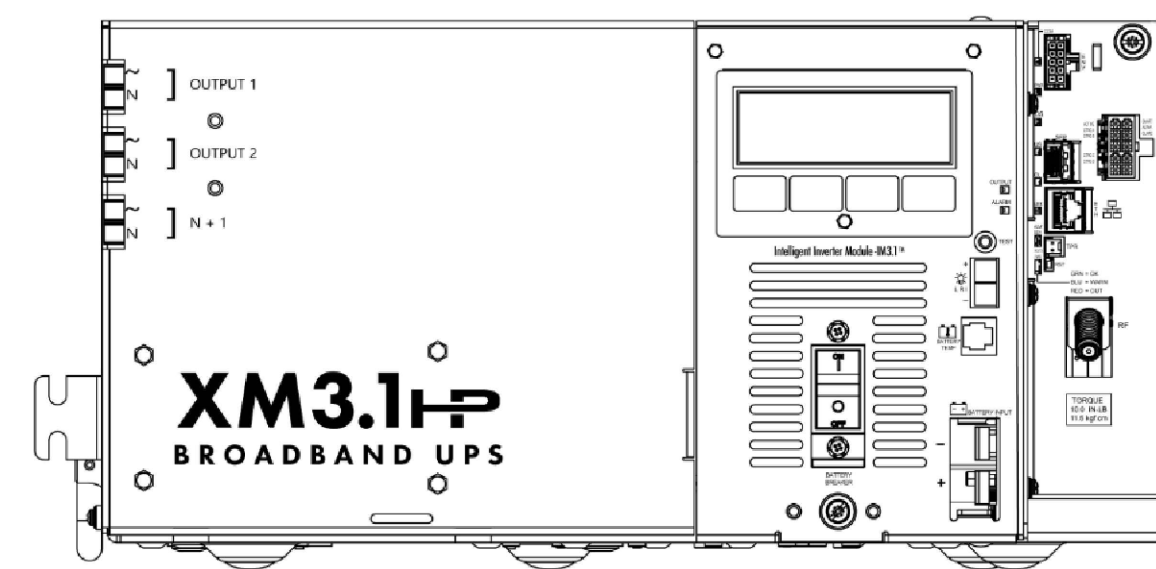
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

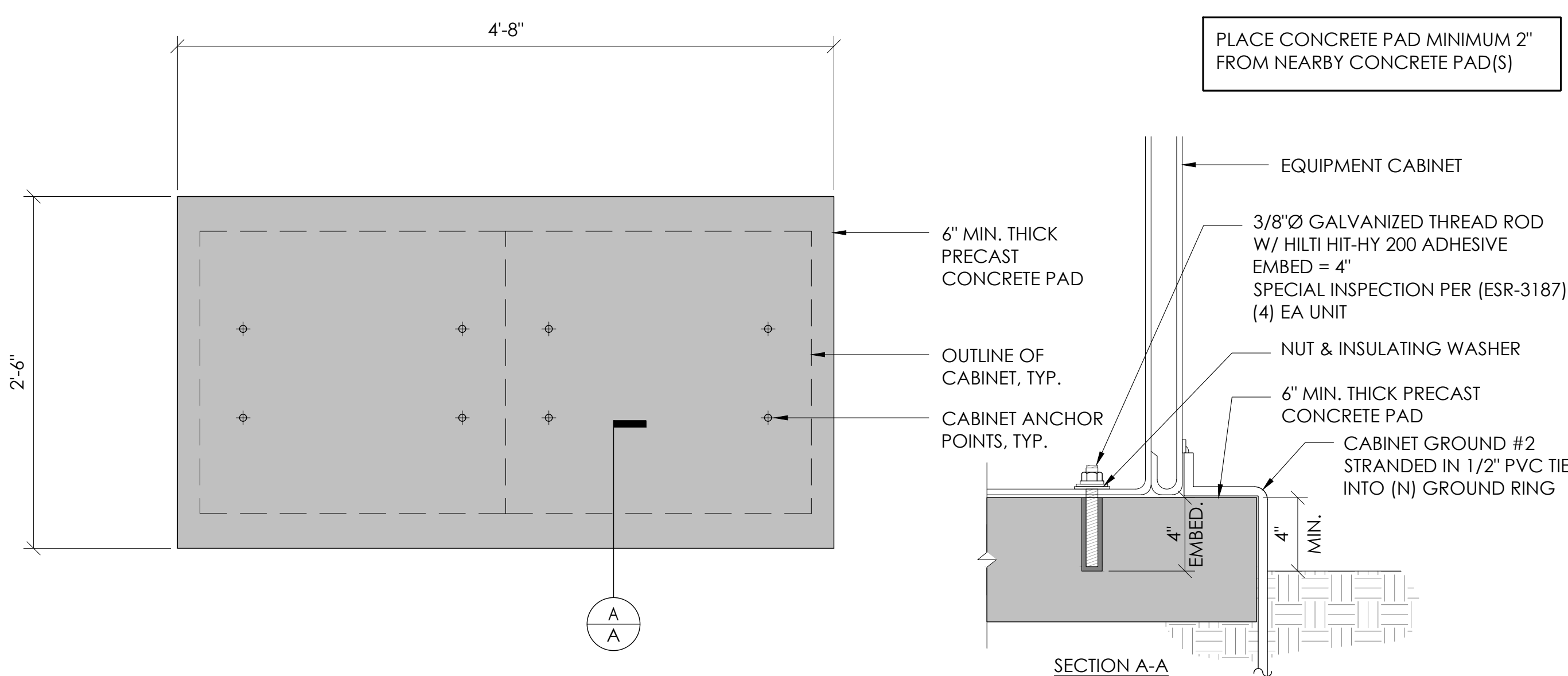
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

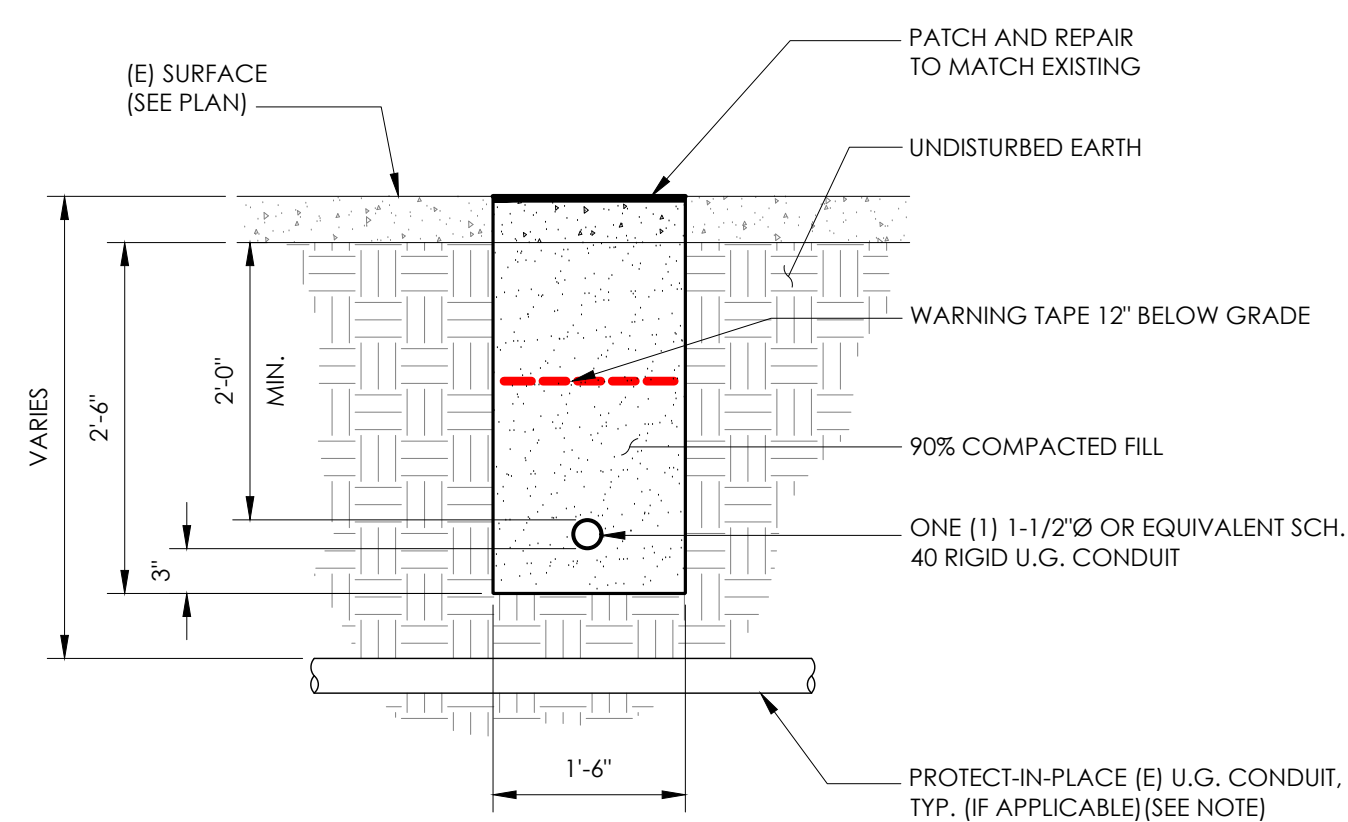


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

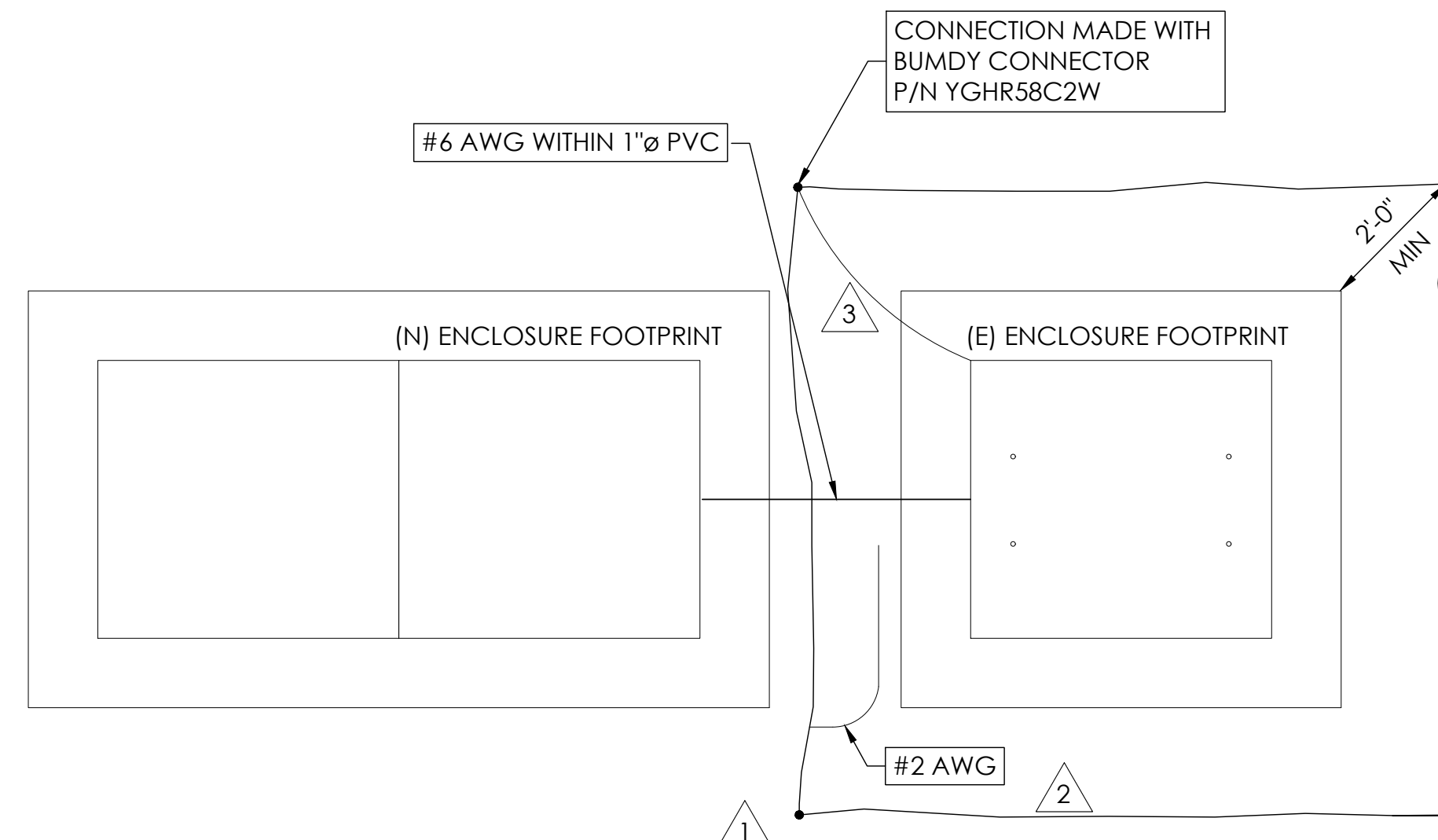
LIGHTNING PROTECTION (OPTIONAL)

- ⚠ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- ⚠ (E) #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- ⚠ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- ⚠ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

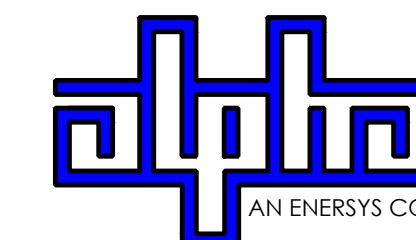
SERVICE GROUNDING (REQUIRED)
⚠ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND. INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



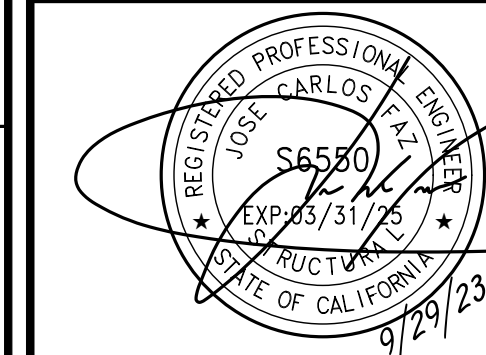
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069702

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
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3	05/25/23	100% CD REV PER PCC#1	JG
4	09/28/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

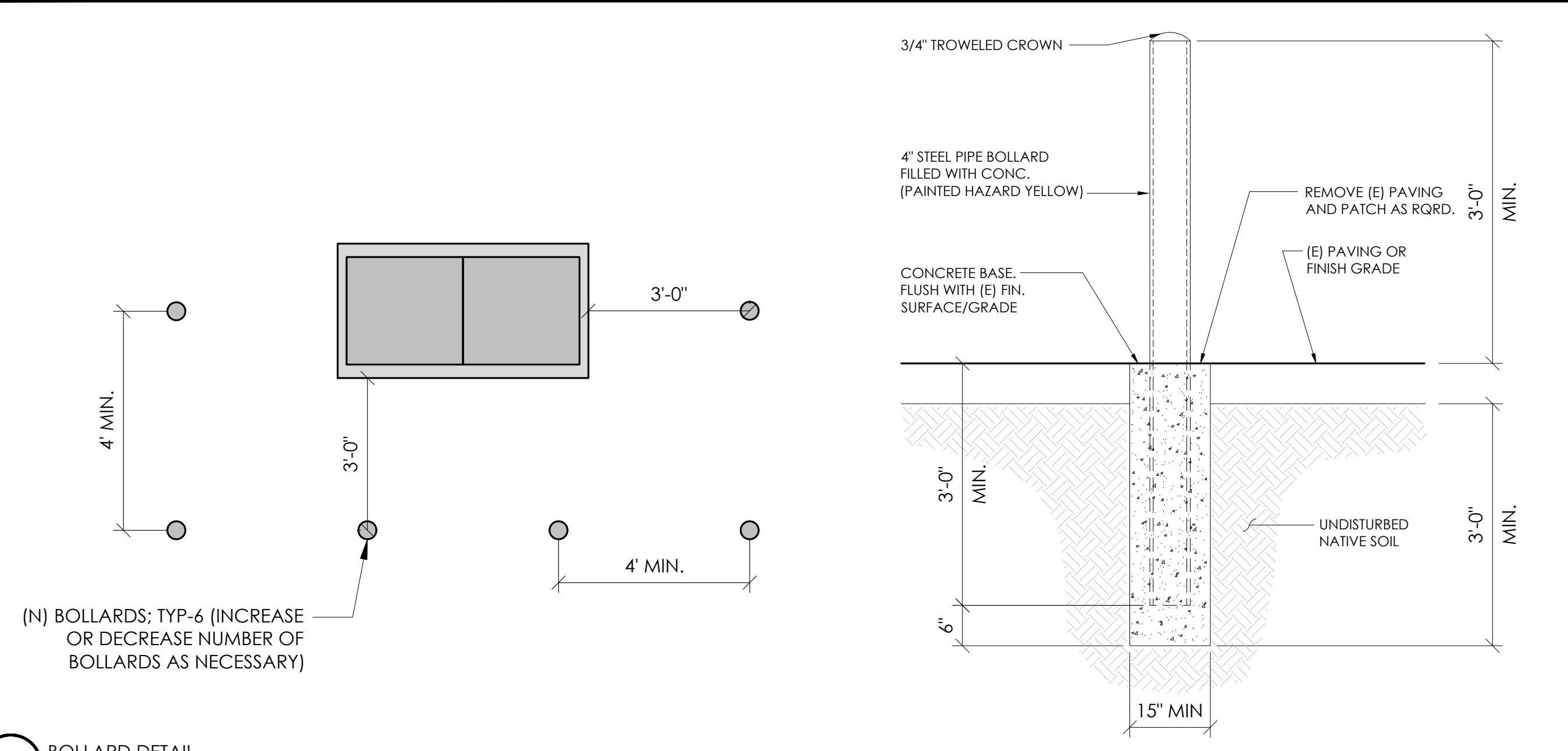
SITE ID:
ST139A

SITE ADDRESS:
3150 FRESNO AVE,
SOUTH LAKE TAHOE, CA
96150

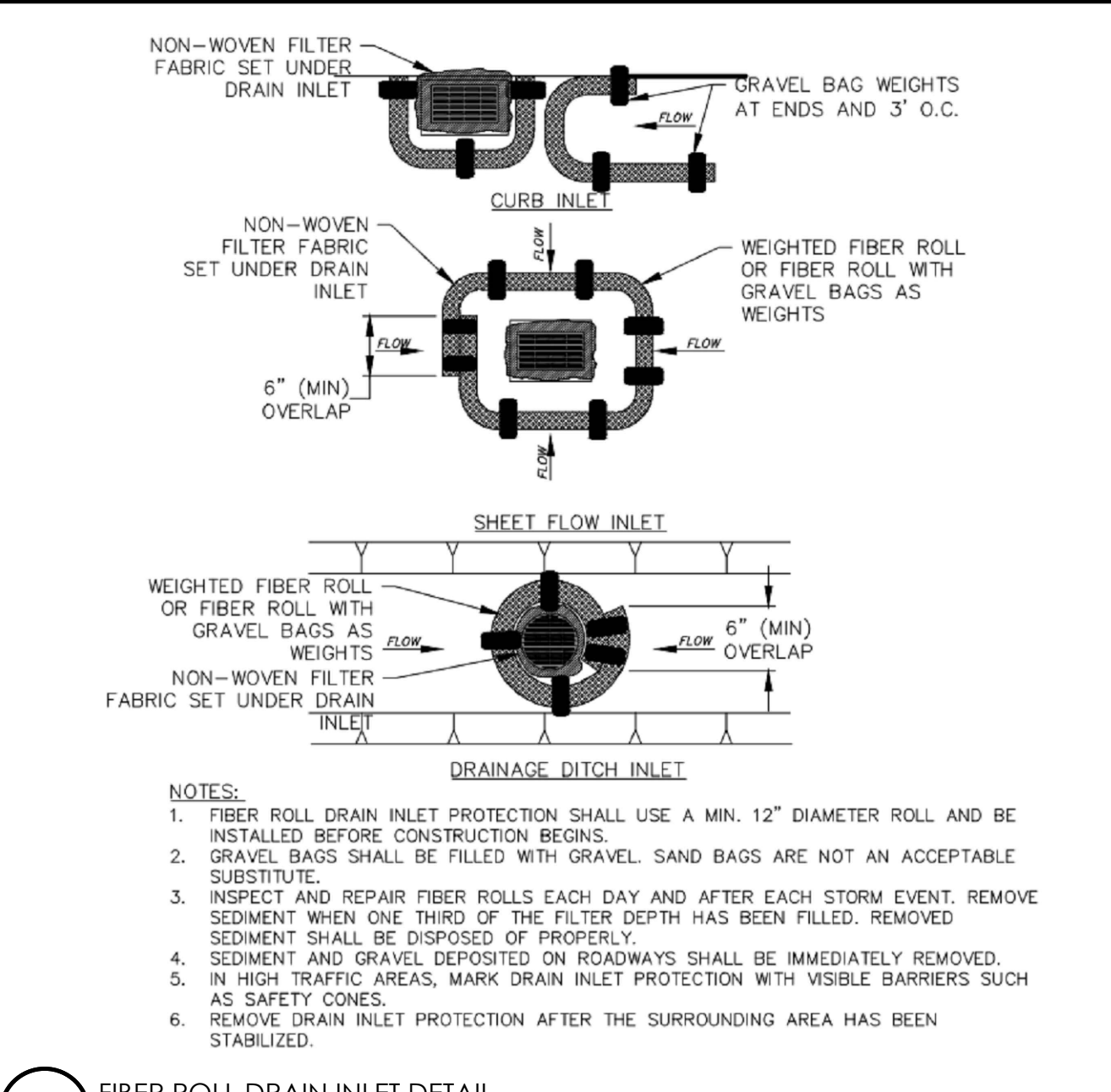
SHEET TITLE:

DETAILS

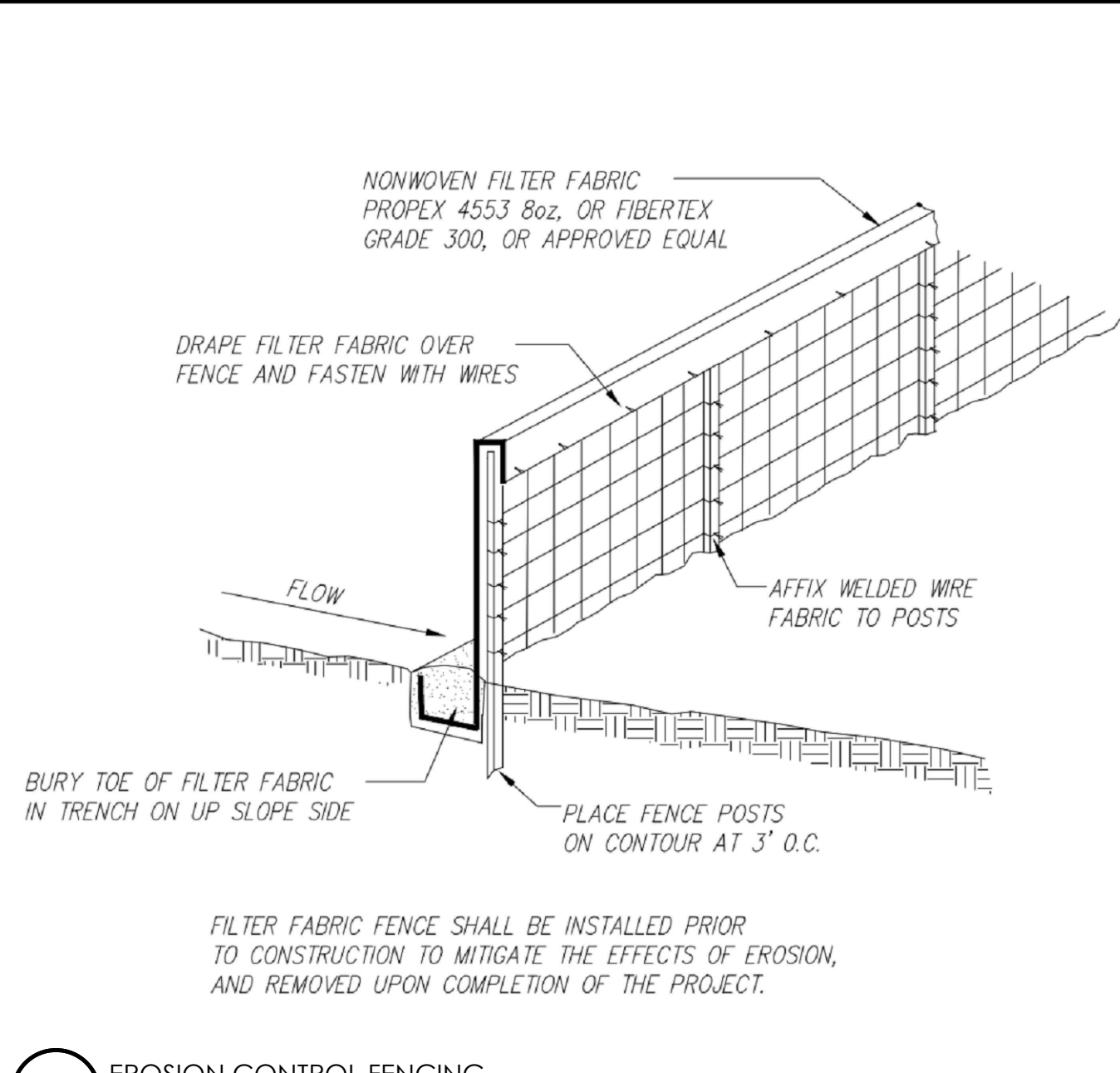
D1



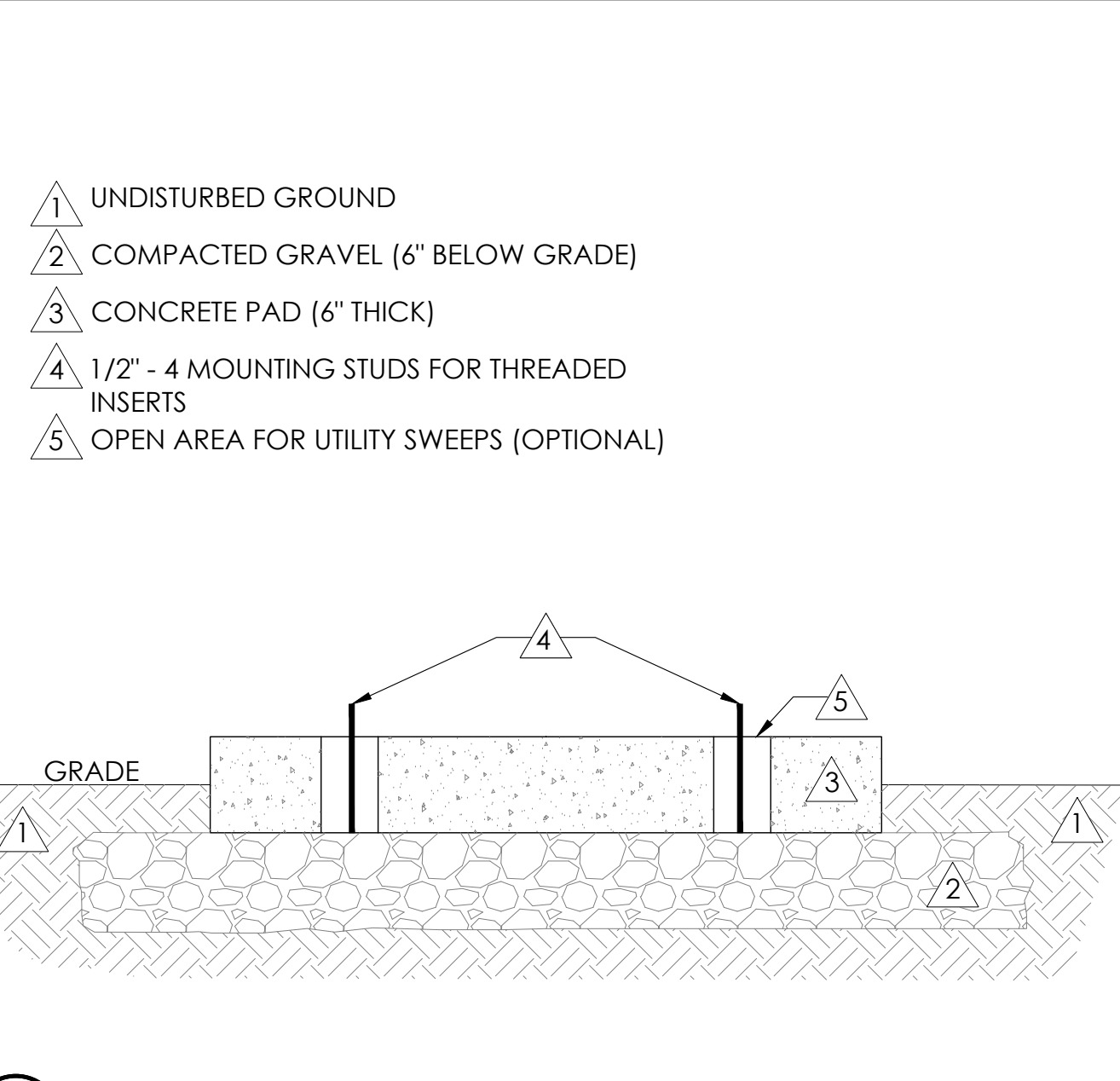
10 BOLLARD DETAIL
N.T.S.



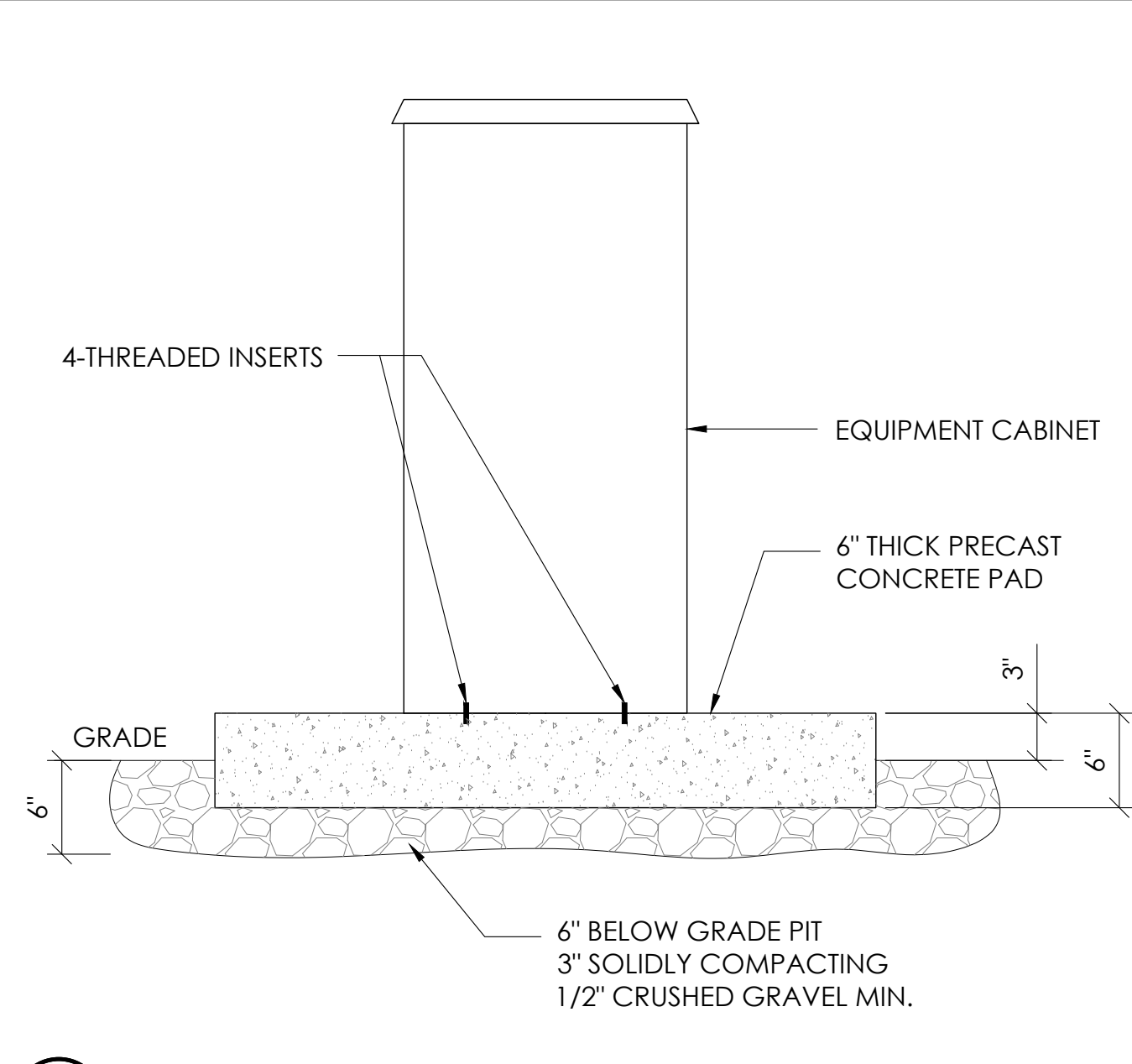
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



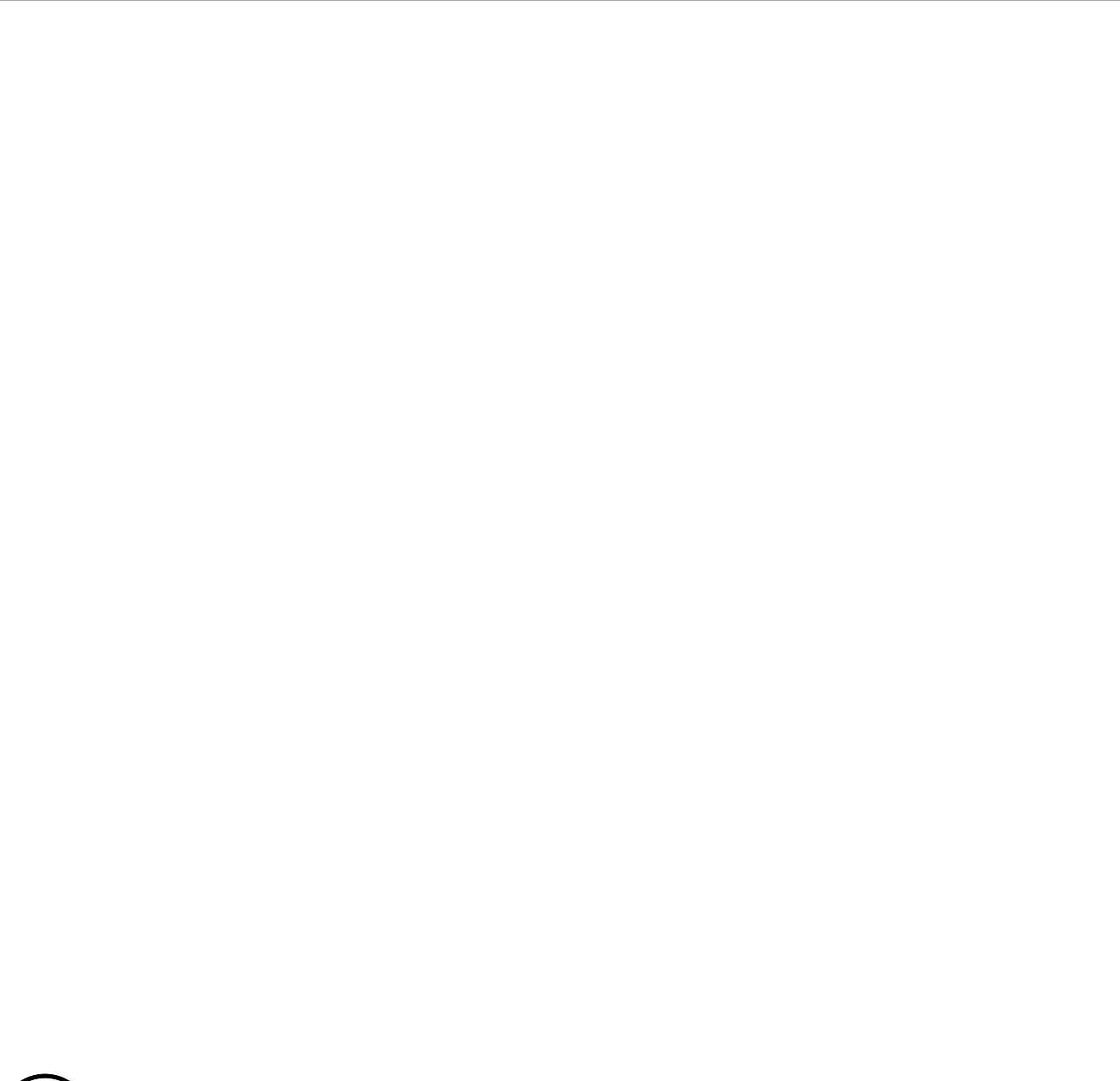
1 EROSION CONTROL FENCING
N.T.S.



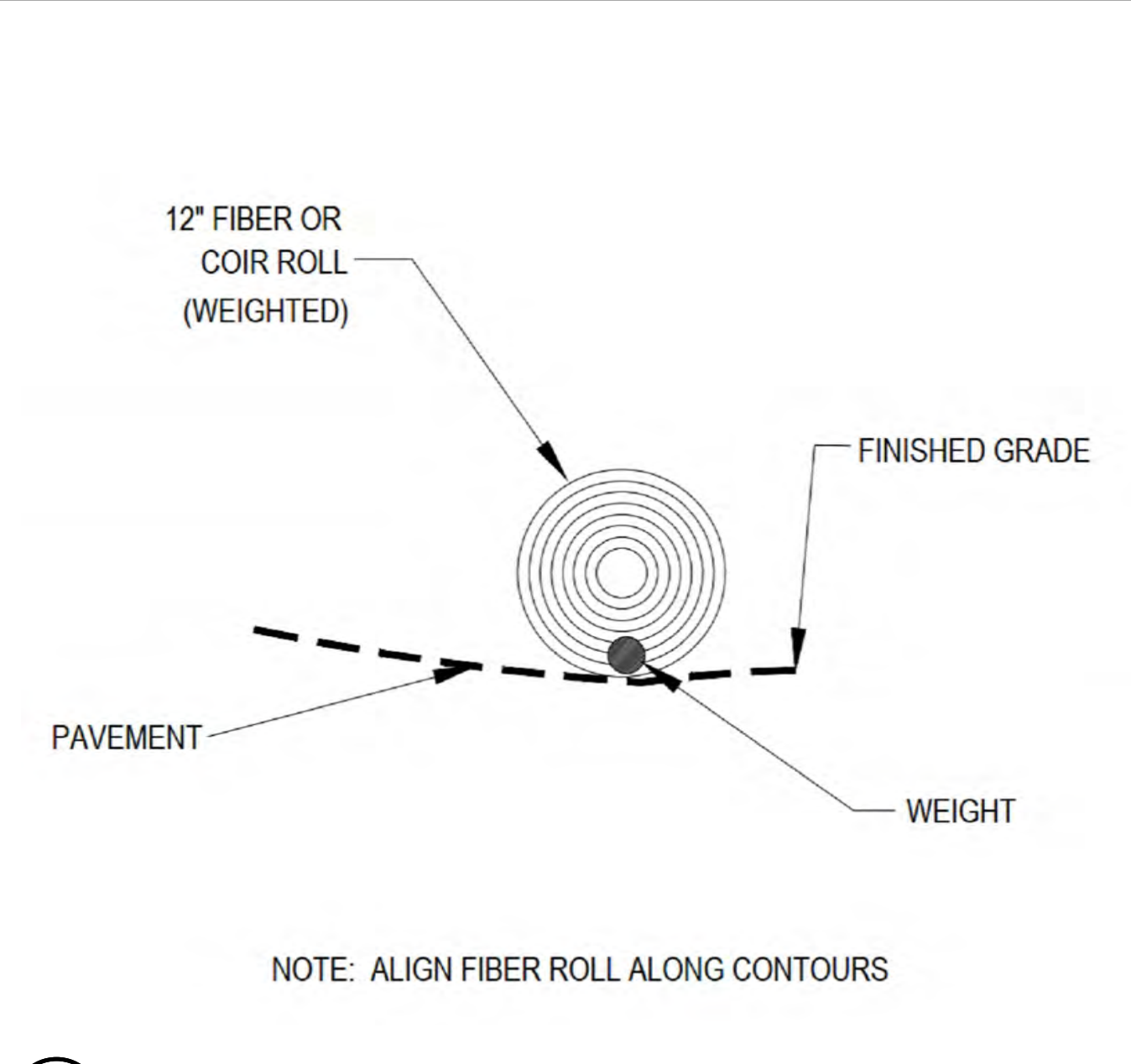
11 FOUNDATION BASE FOR PN4
N.T.S.



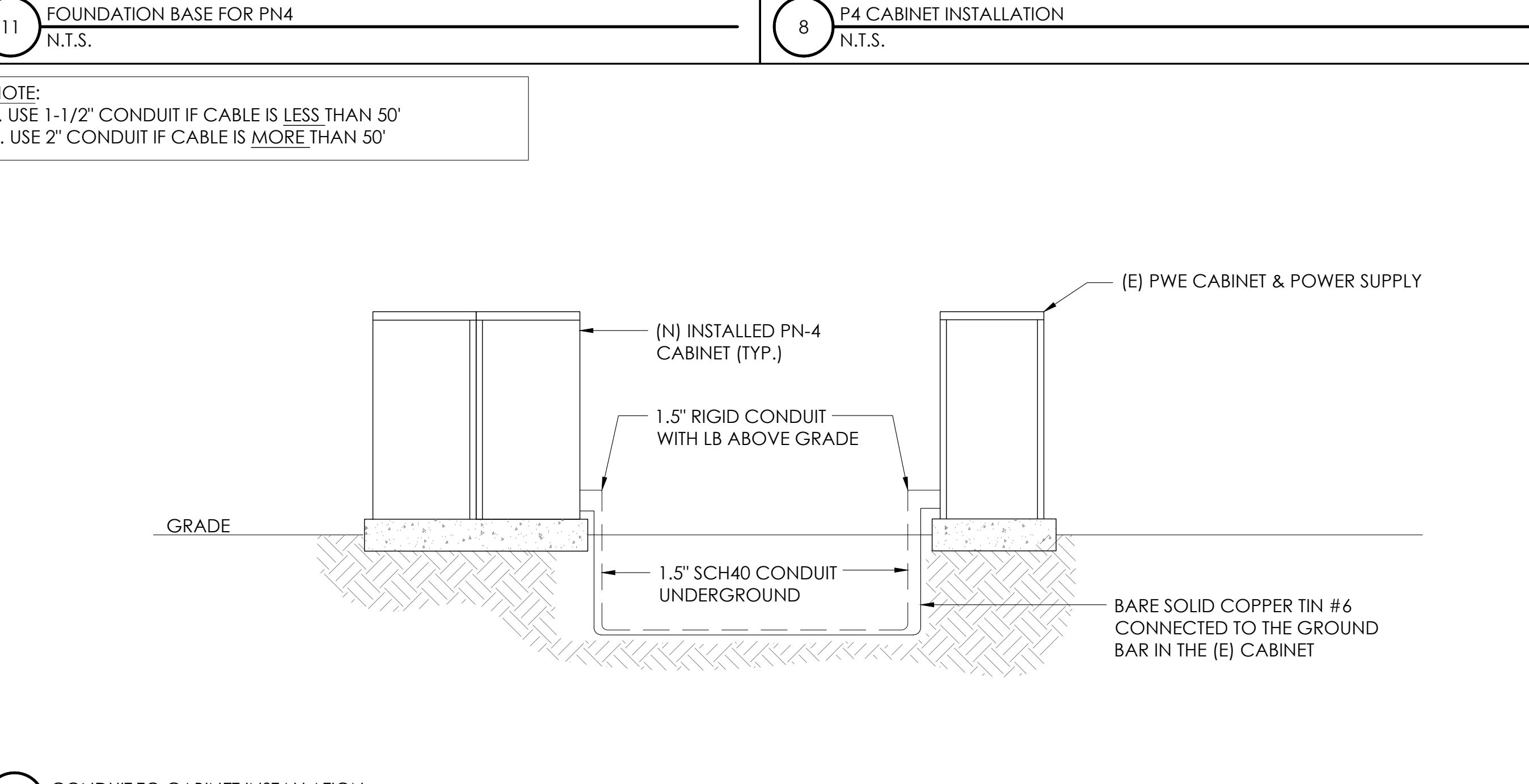
8 P4 CABINET INSTALLATION
N.T.S.



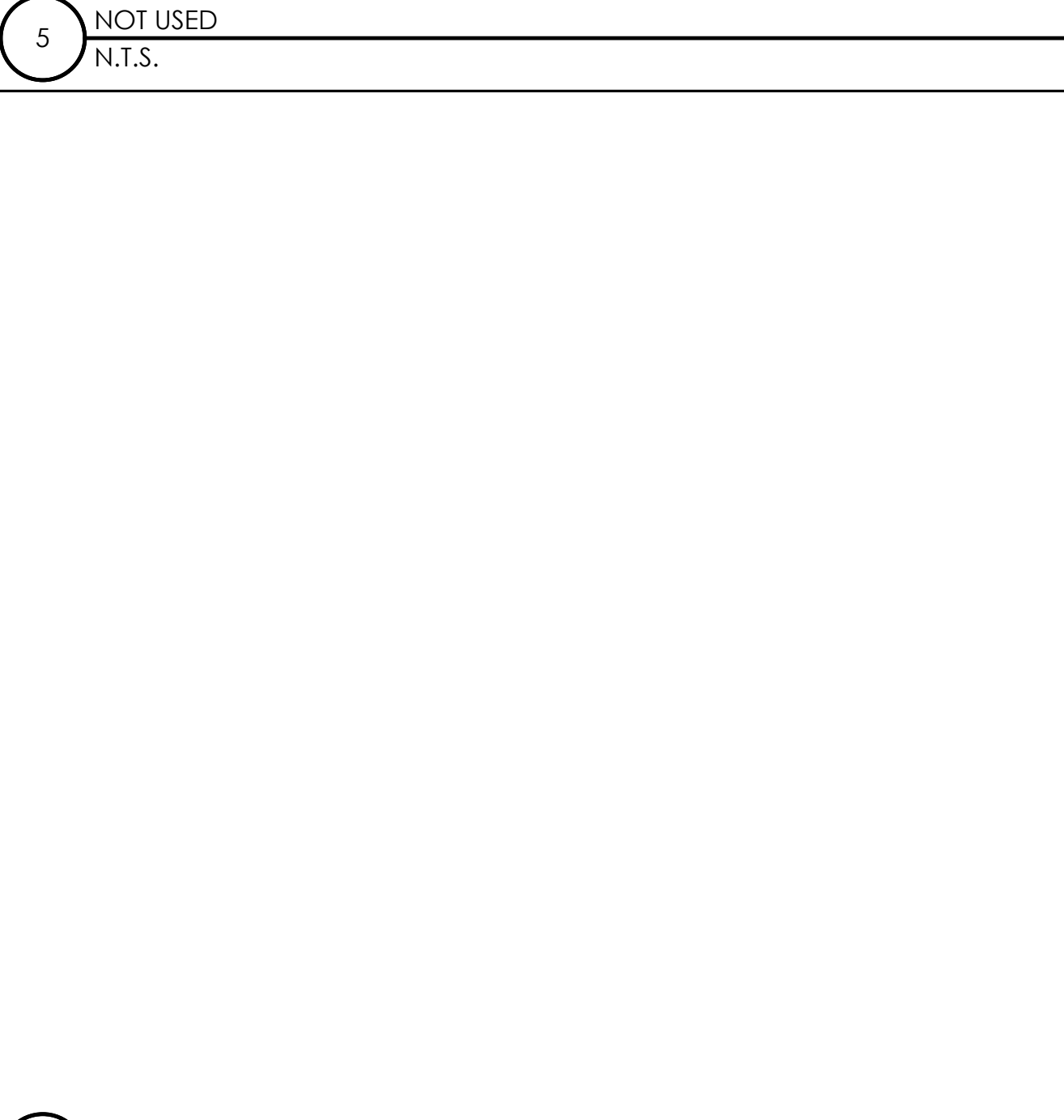
5 NOT USED
N.T.S.



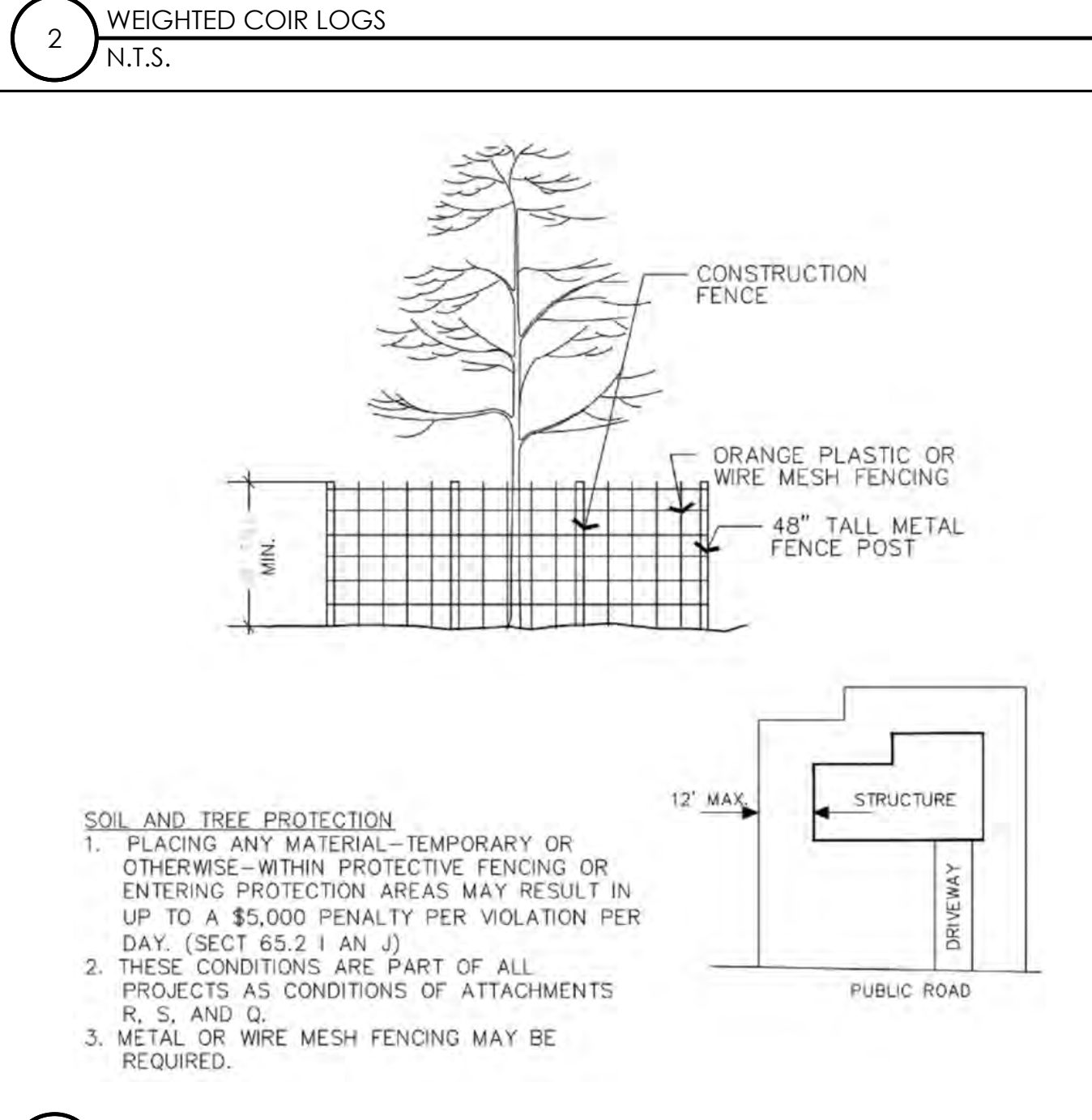
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



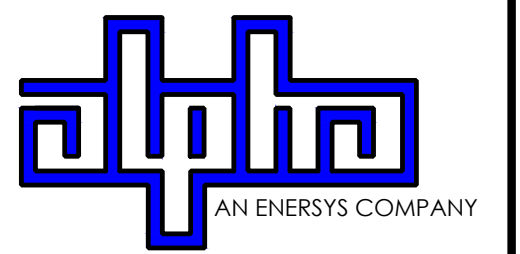
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

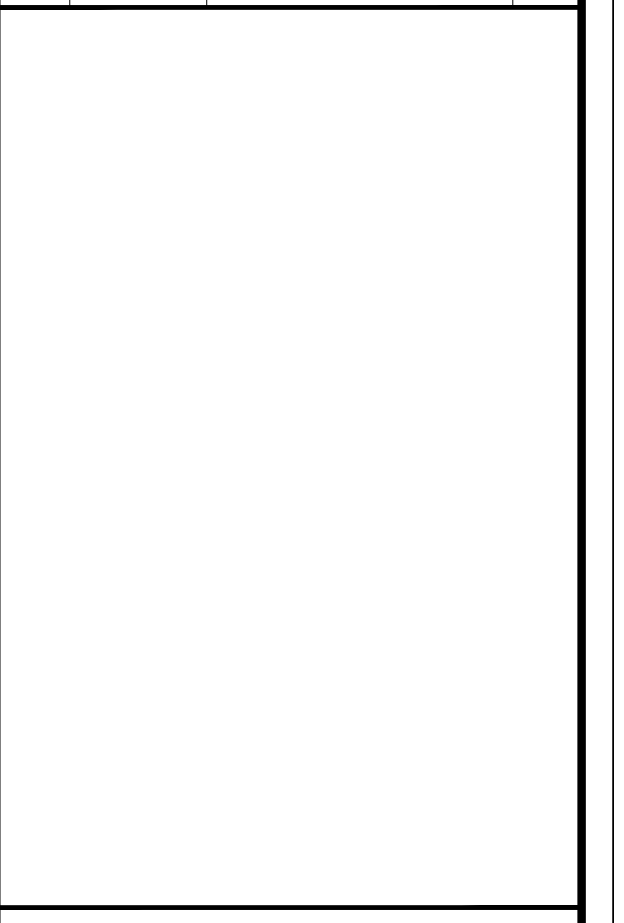


23 MAUCHLY, STE 110
IRVINE, CA 92618

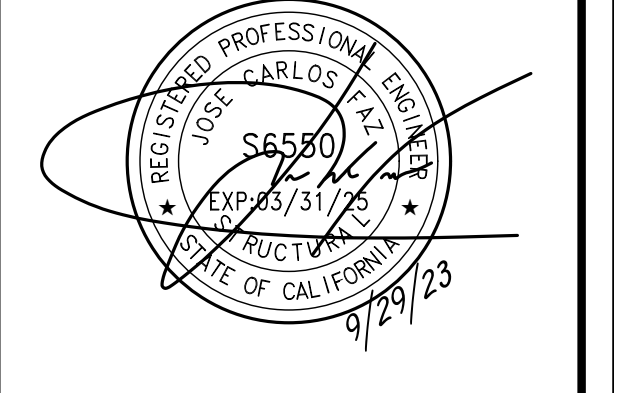
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069702

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
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4	09/28/23	SURVEY SHEET ADD	MZ



SEAL



SITE INFORMATION

SITE ID:
ST139A_

SITE ADDRESS:
3150 FRESNO AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS

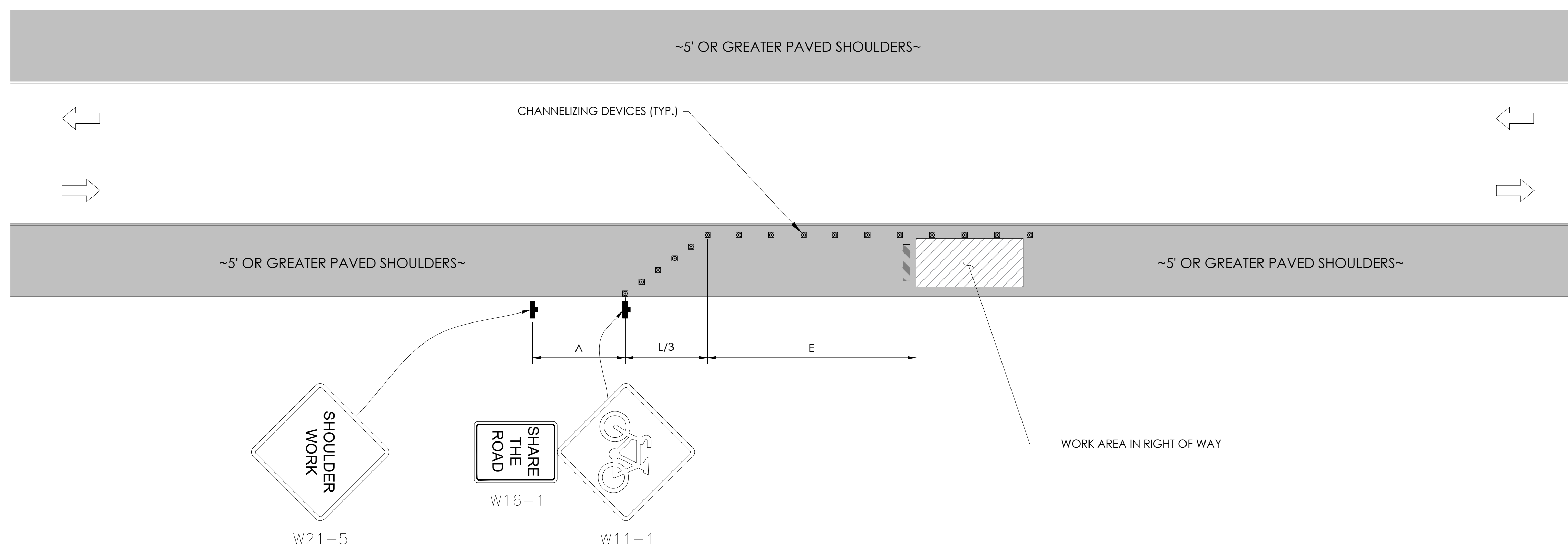
D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD

WORK HOURS
 7:00AM - 3:30PM



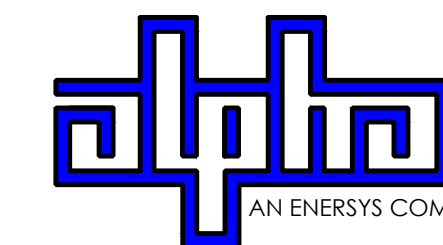
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



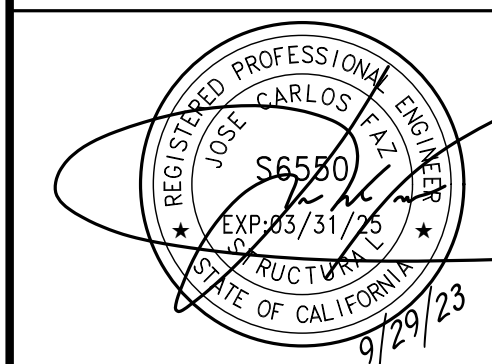
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069702

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/06/21	90% CD	AN
0	12/27/21	100% CD	KV
1	07/29/22	MODEL REDESIGN	JW
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	09/28/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

SITE ID:
ST139A_

SITE ADDRESS:
3150 FRESNO AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

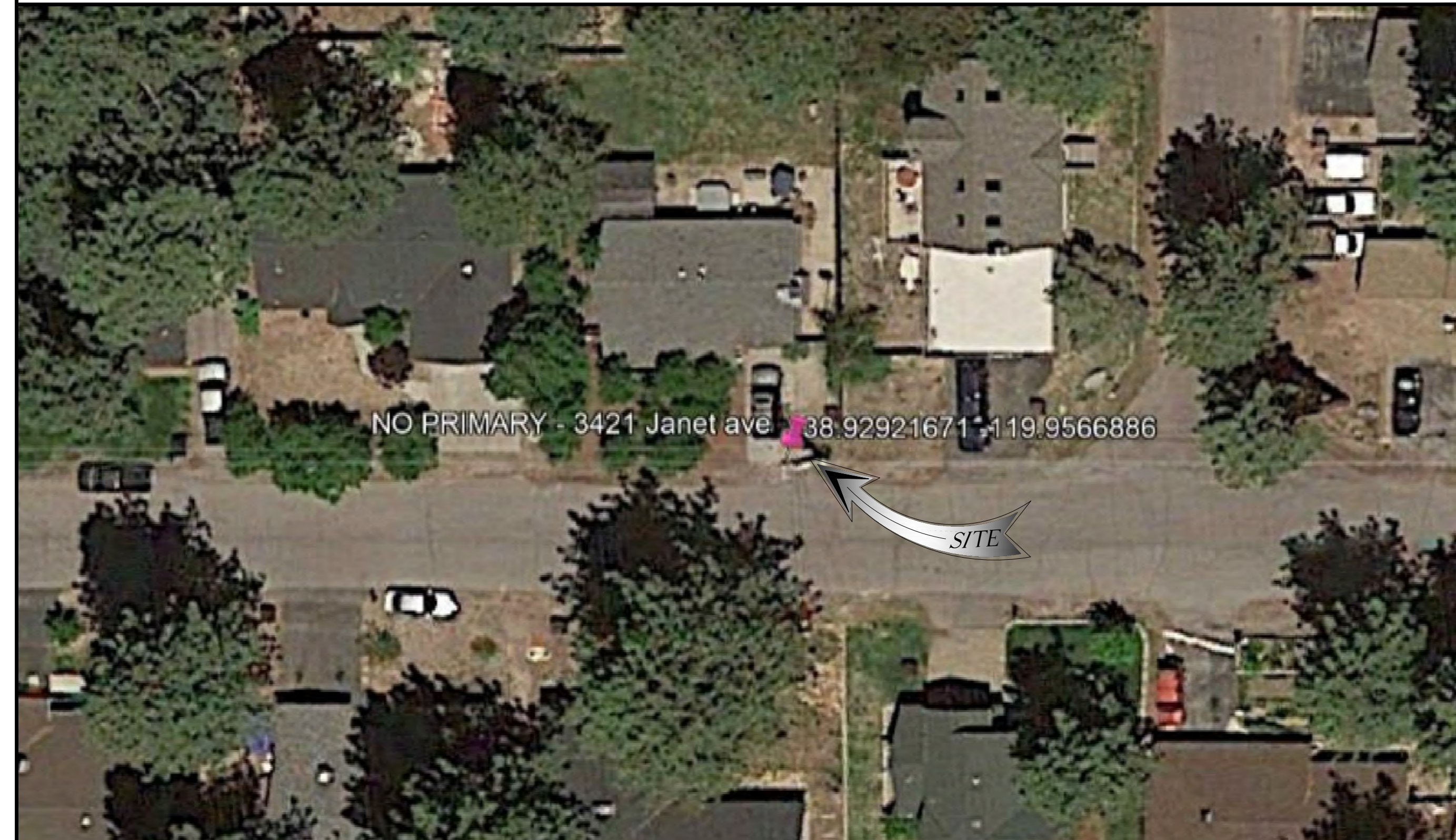
TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST120A_

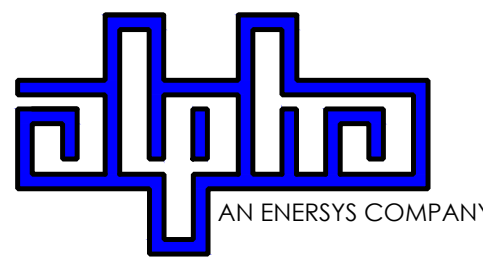
SITE ADDRESS: 3421 JANET AVE, SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

Table with 2 columns: Field Name and Value. Fields include SITE ADDRESS, LATITUDE/LONGITUDE, JURISDICTION, POWER PROVIDER, STRUCTURE TYPE, OUTPUT VOLTAGE SPEC., INPUT VOLTAGE SPEC., AMP DRAW, HYDRAULIC RELATED AREA, COVERAGE, and CUT/FILL VOLUME.



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069684

ISSUE STATUS

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Shows revision history for the drawing.

2Li SCOPE OF WORK

- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (24) (N) LITHIUM LI BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

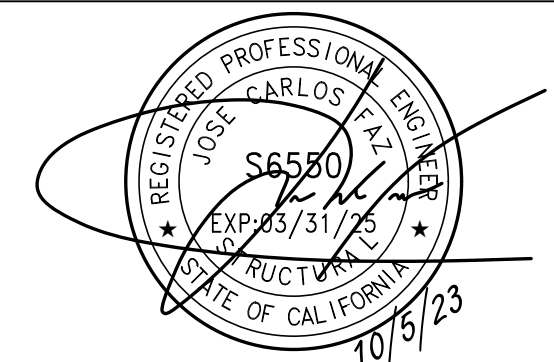
DRAWING INDEX

Table with 2 columns: SHEET and DESCRIPTION. Lists drawing sheets T1, LS1, A1, D1, D2, and TC1.

PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
ENGINEER/ARCHITECT: J5 INFRASTRUCTURE PARTNERS
APPLICANT: ALPHA TECHNOLOGIES, INC.

SEAL



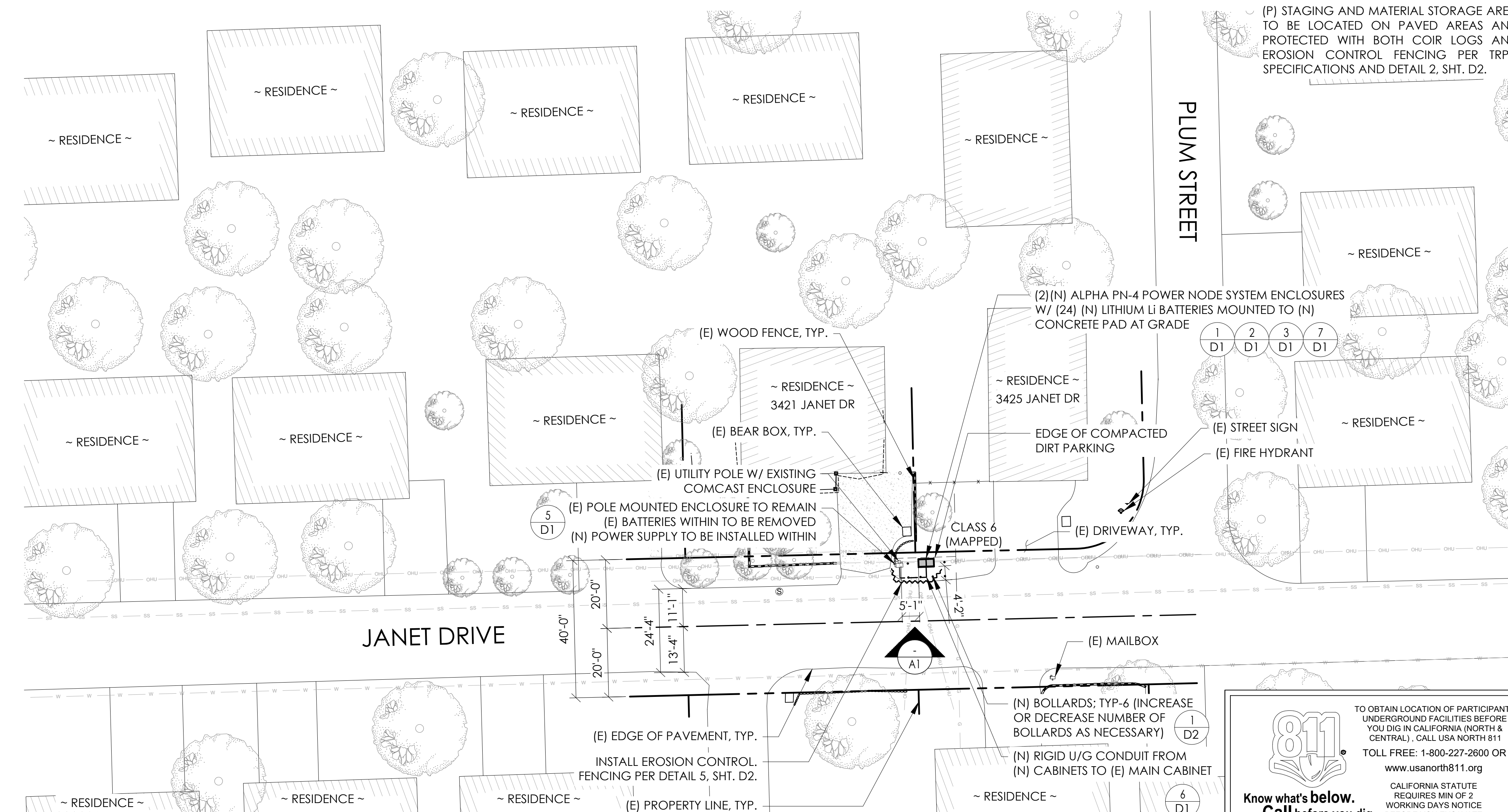
FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

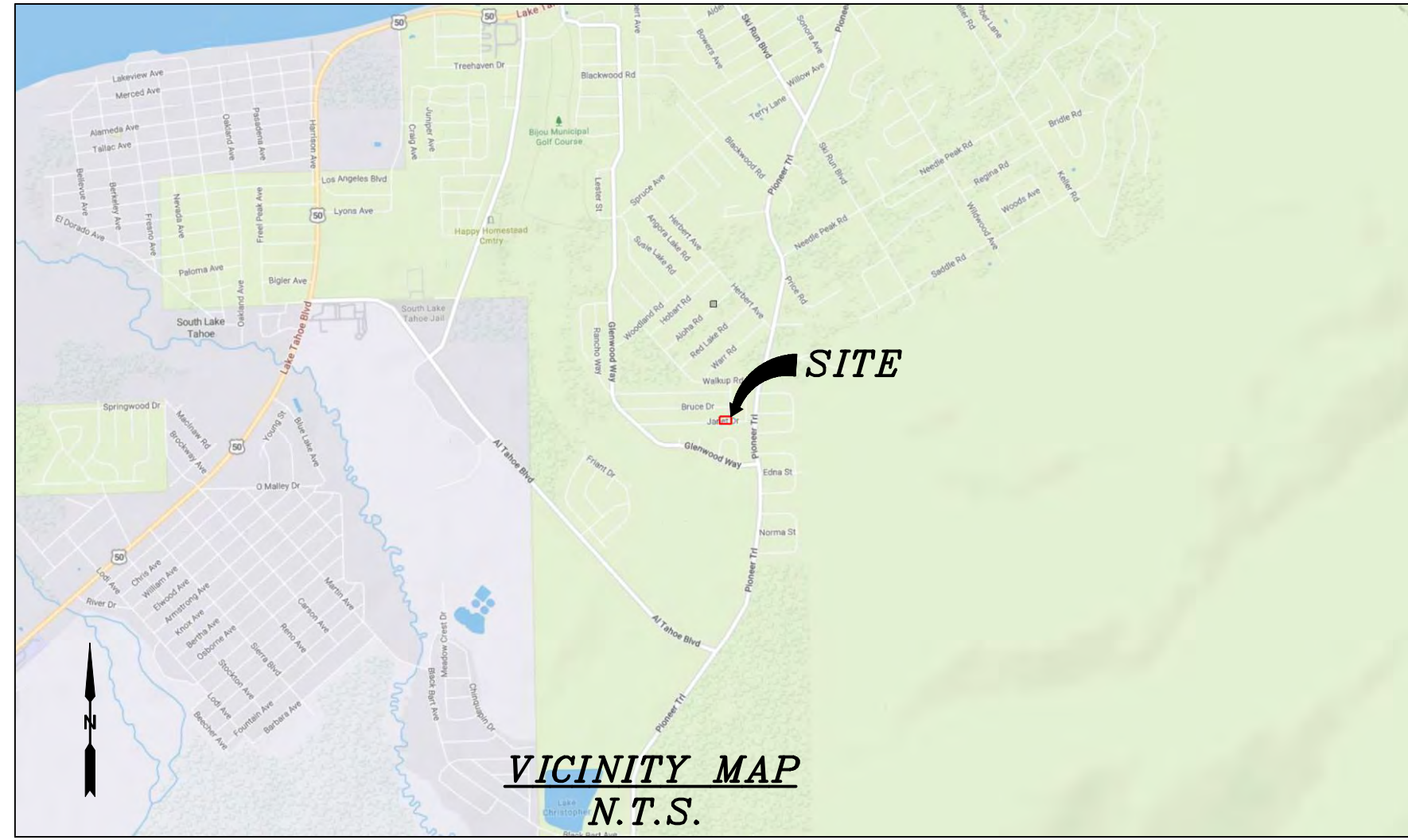


811 logo and text: TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA... CALL BEFORE YOU DIG.

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"

T1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

 **Eaton Land Surveying, Inc.**
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST120A
3421 JANET AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/25/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

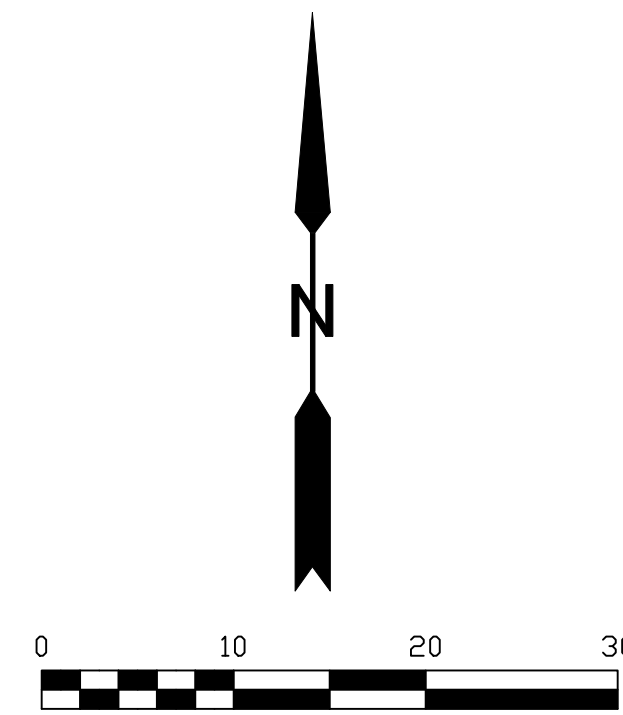
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0387F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

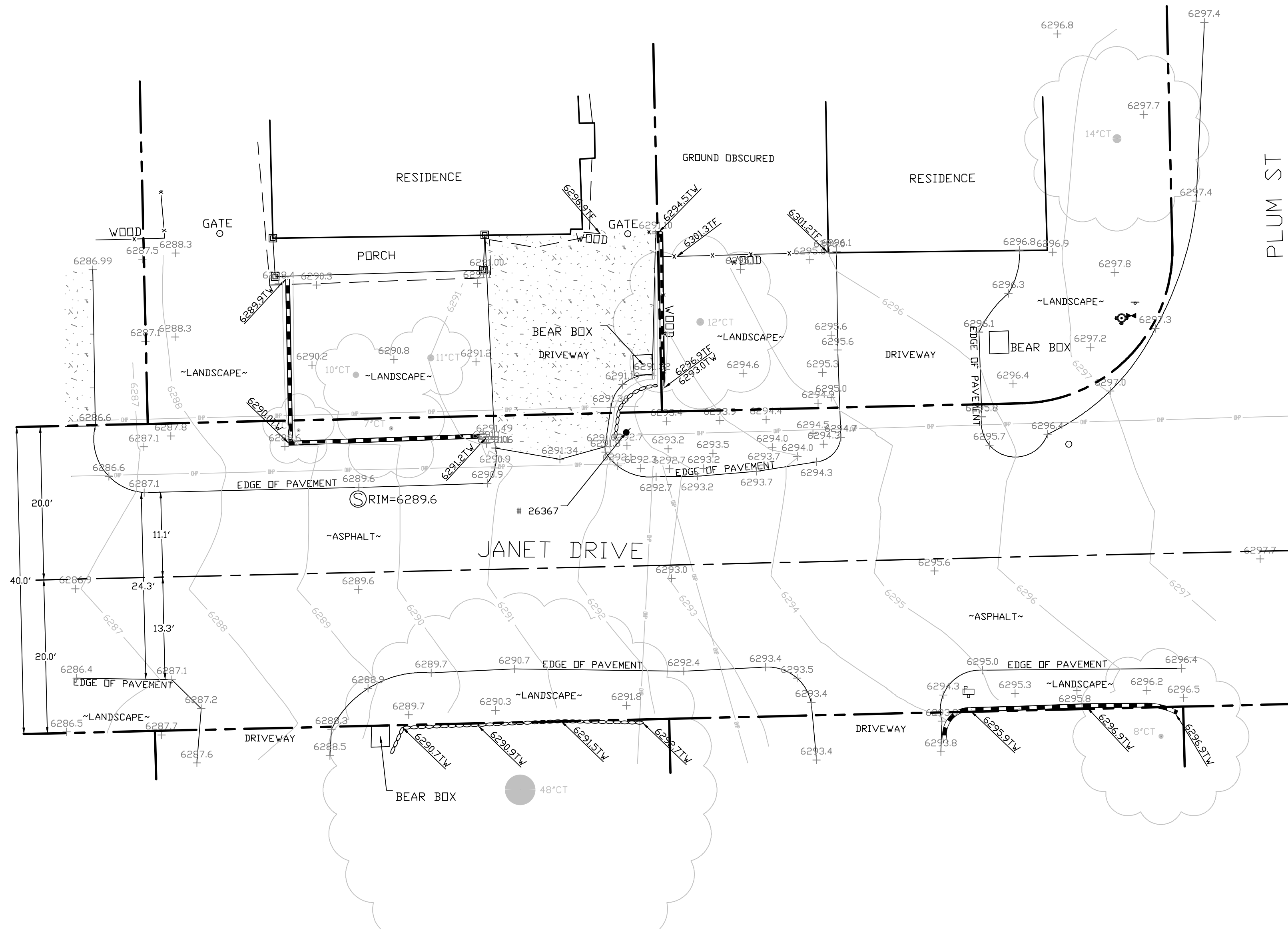
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 82 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 025-394-023-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032329 DATED 08/31/2023;



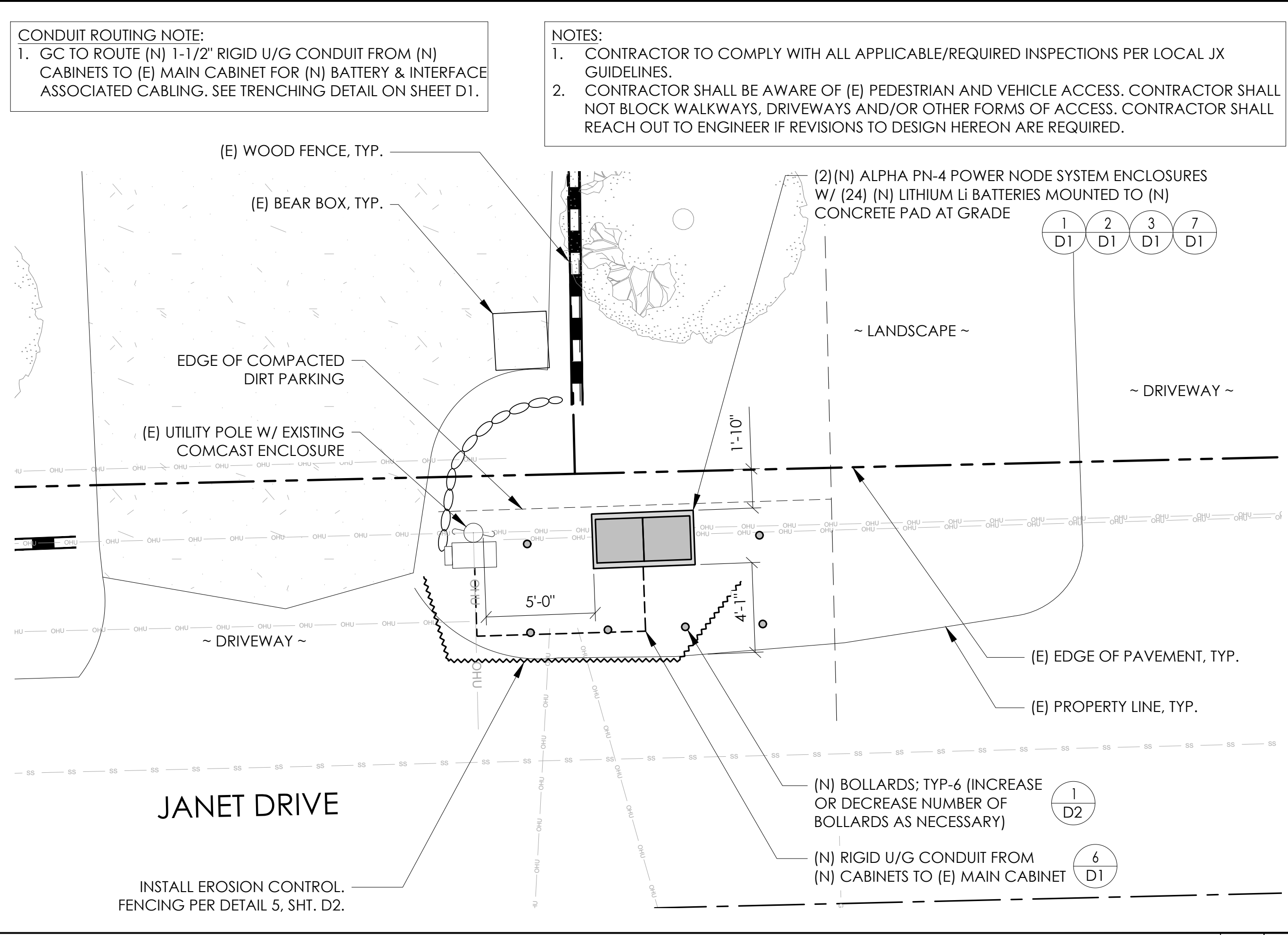
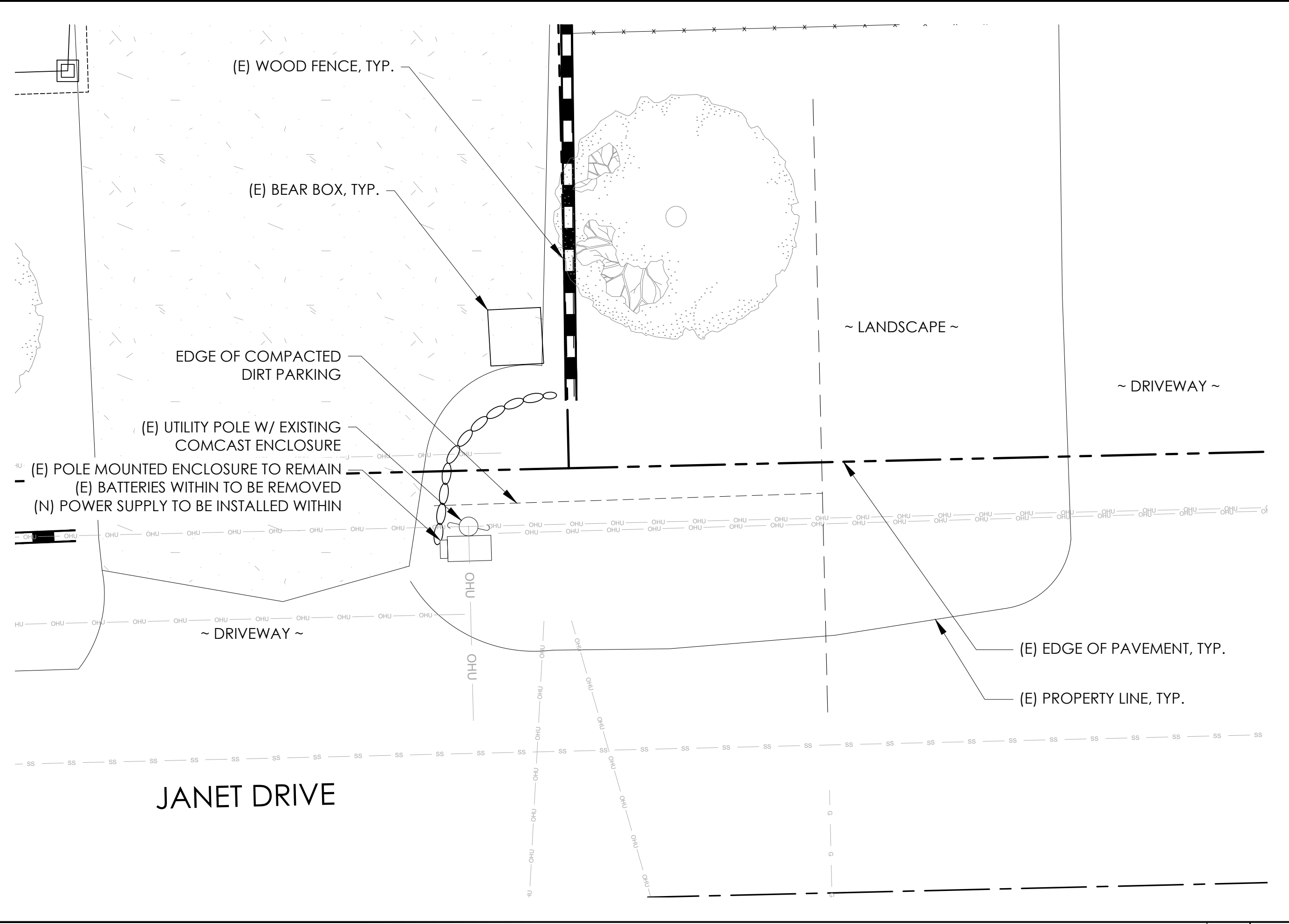
LEGEND

- These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE CENTER LINE
 - OVERHEAD LINE
 - FENCE HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULL BOX ELECTRIC
 - PULL BOX TELEPHONE
 - PULL BOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX (MOVABLE)
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



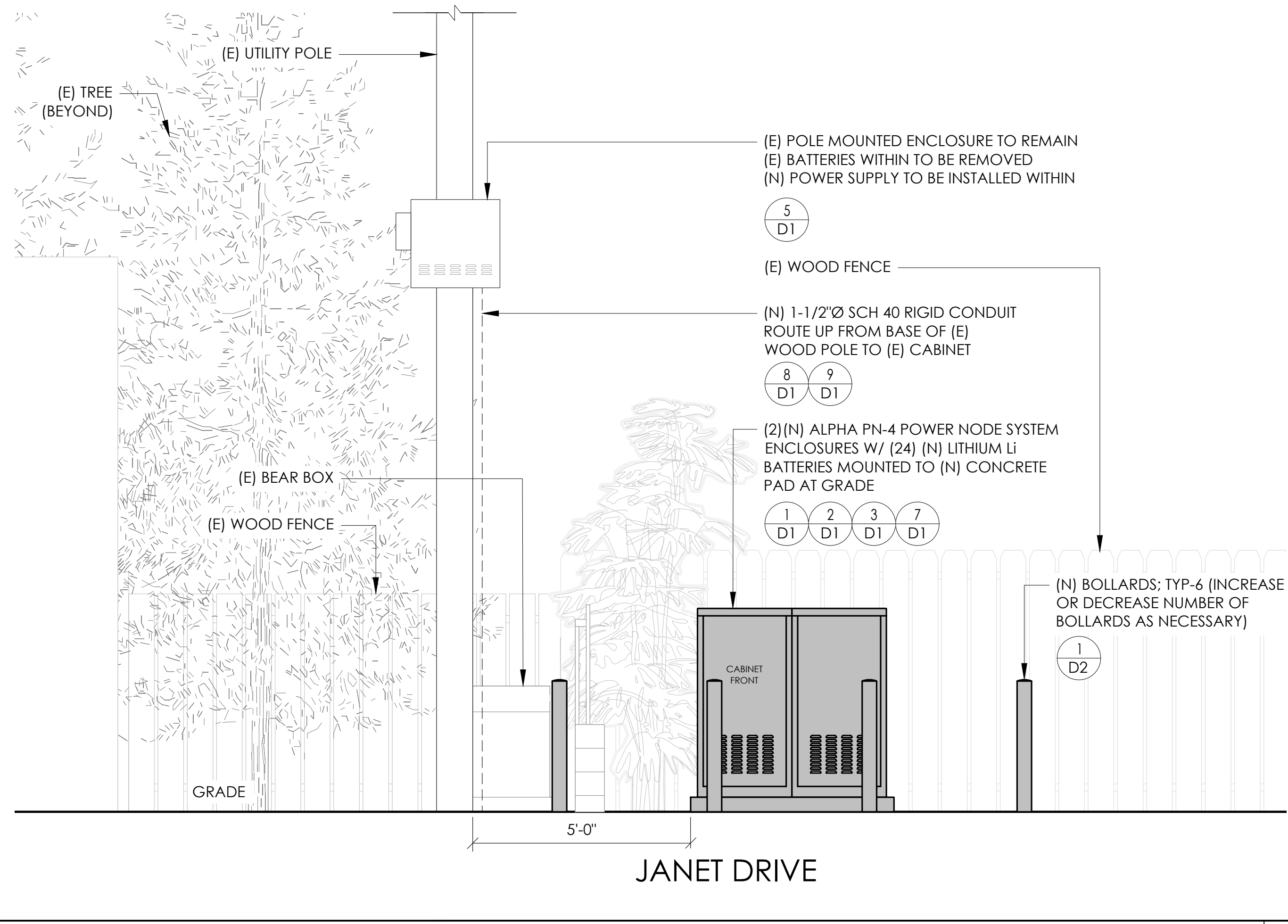
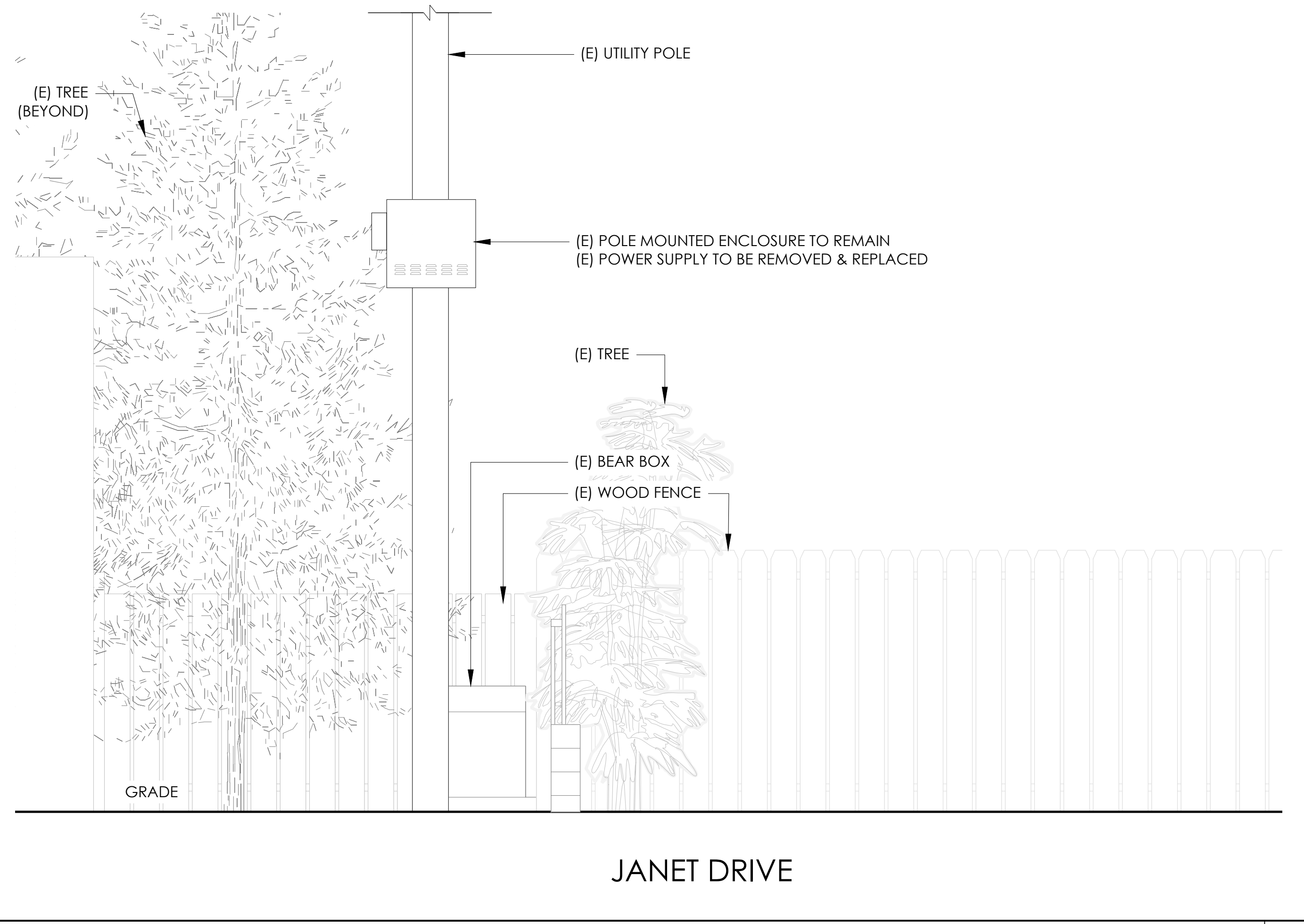
SITE SURVEY
SCALE 1"=10'





EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 3



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



3767 ALPHA WAY
 BELLINGHAM, WA 98226

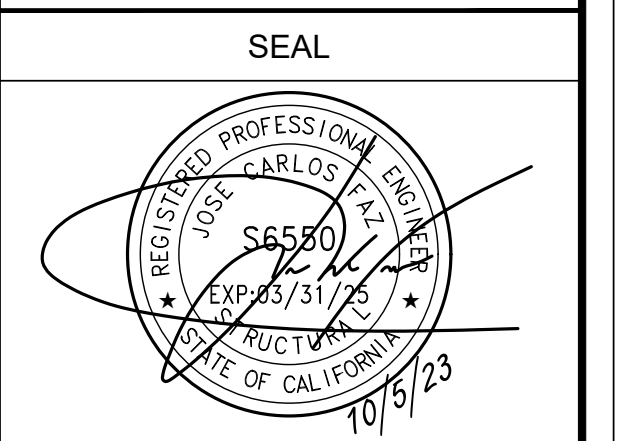


23 MAUCHLY, STE 110
 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069684

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	05/22/23	100% CD REV PER PPC#1	RD
3	10/02/23	100% CD REVISION	JG



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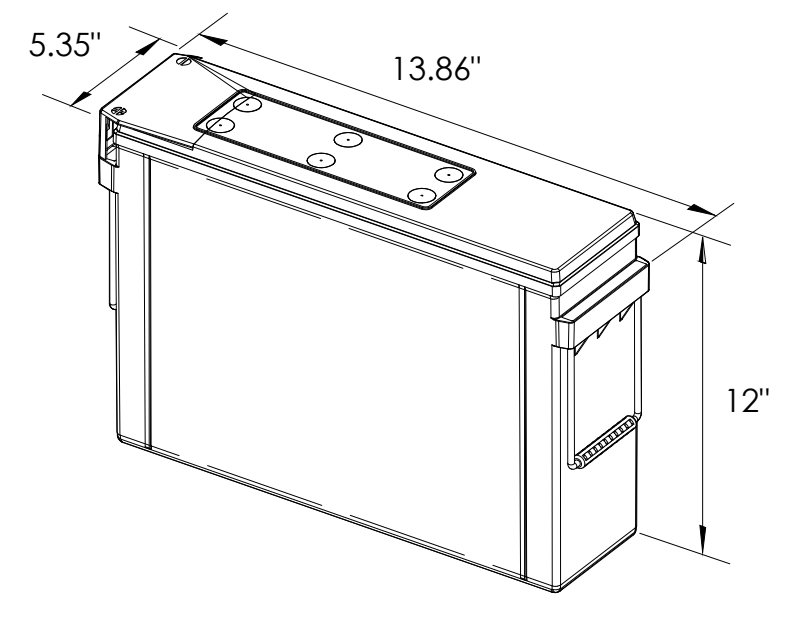
SITE INFORMATION

SITE ID:
ST120A

SITE ADDRESS:
 3421 JANET AVE,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN

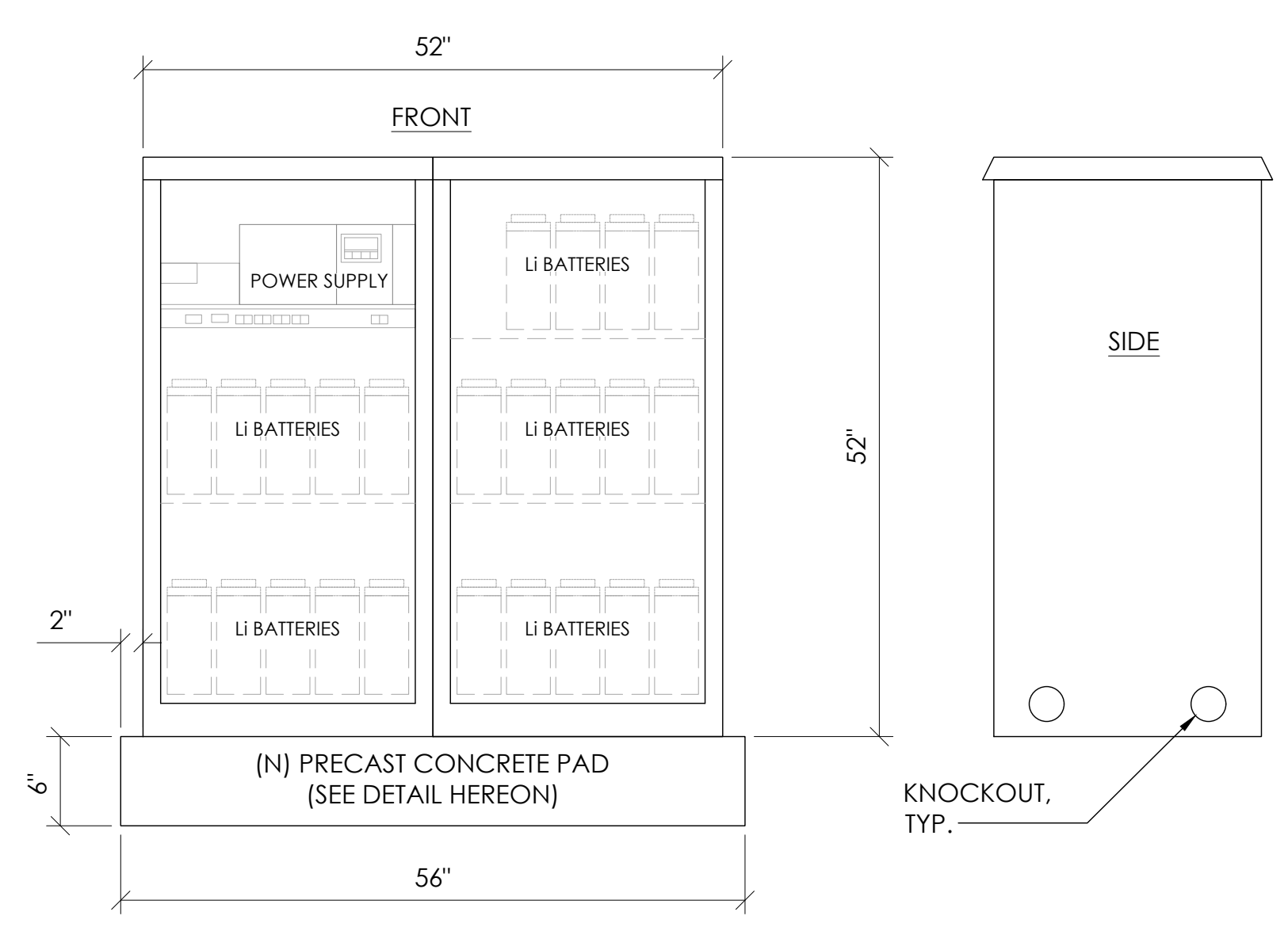
WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS

MANUFACTURER: ALPHA
 MODEL: PN-4
 HEIGHT: 52"
 WIDTH: 26"
 DEPTH: 24"
 WEIGHT (EMPTY): 360 LBS.
 WEIGHT (W/ BATTERIES): 1,548 LBS.

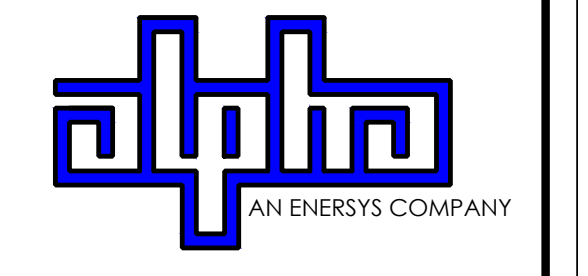
MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
 CABINET #1: (10) BATTERIES
 CABINET #2: (14) BATTERIES

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



3767 ALPHA WAY
 BELLINGHAM, WA 98226

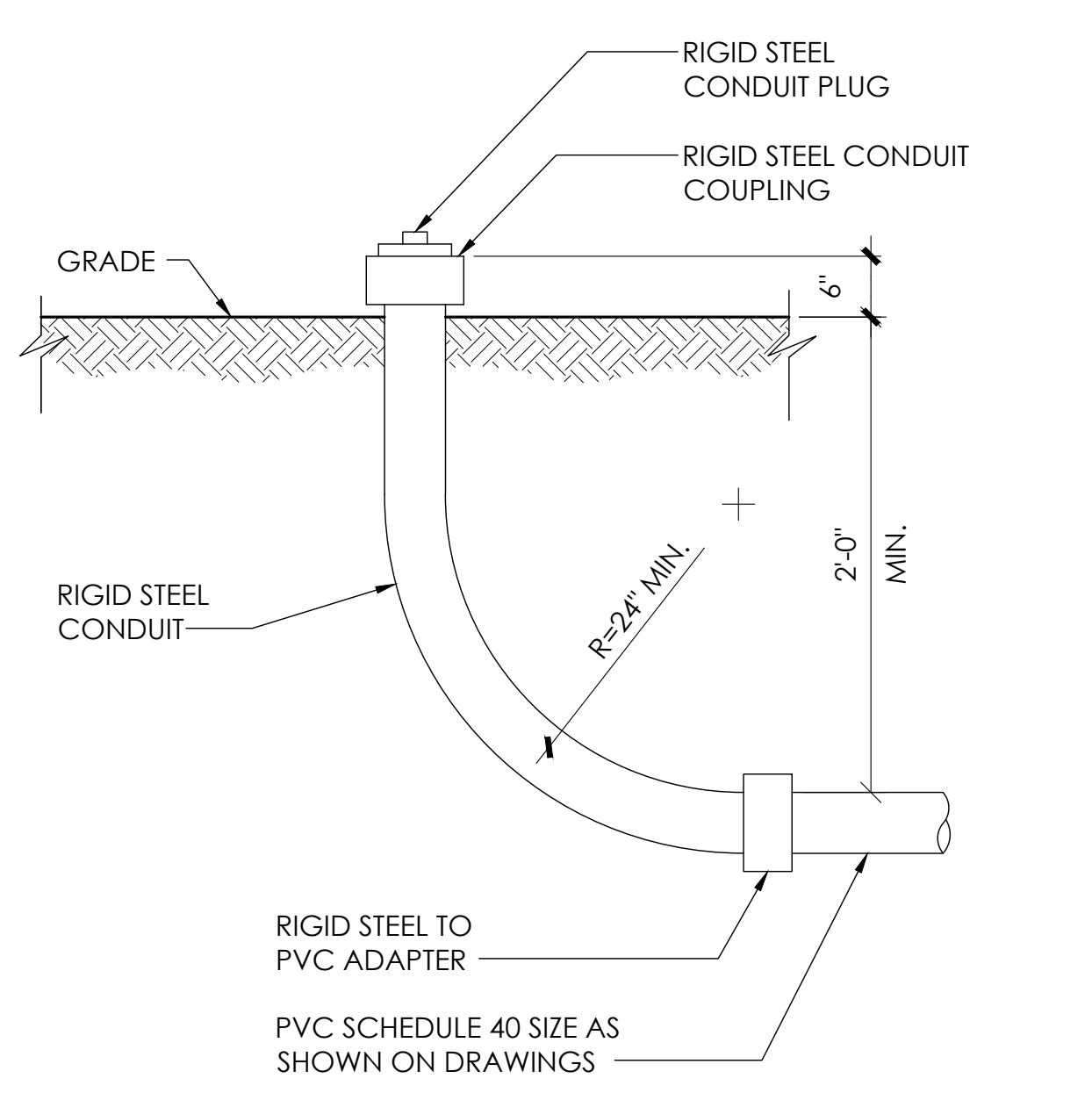


23 MAUCHLY, STE 110
 IRVINE, CA 92618

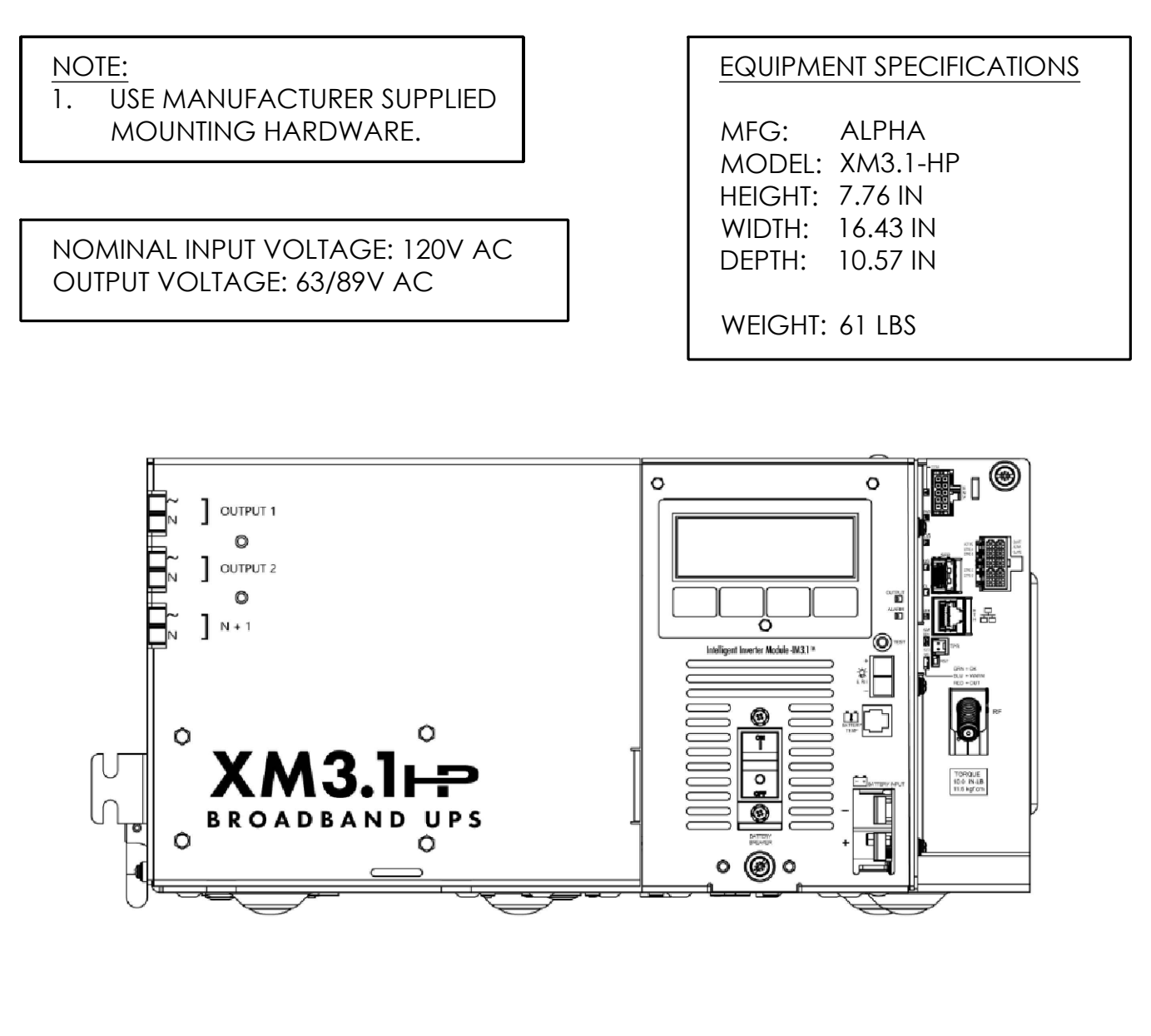
J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069684

ISSUE STATUS

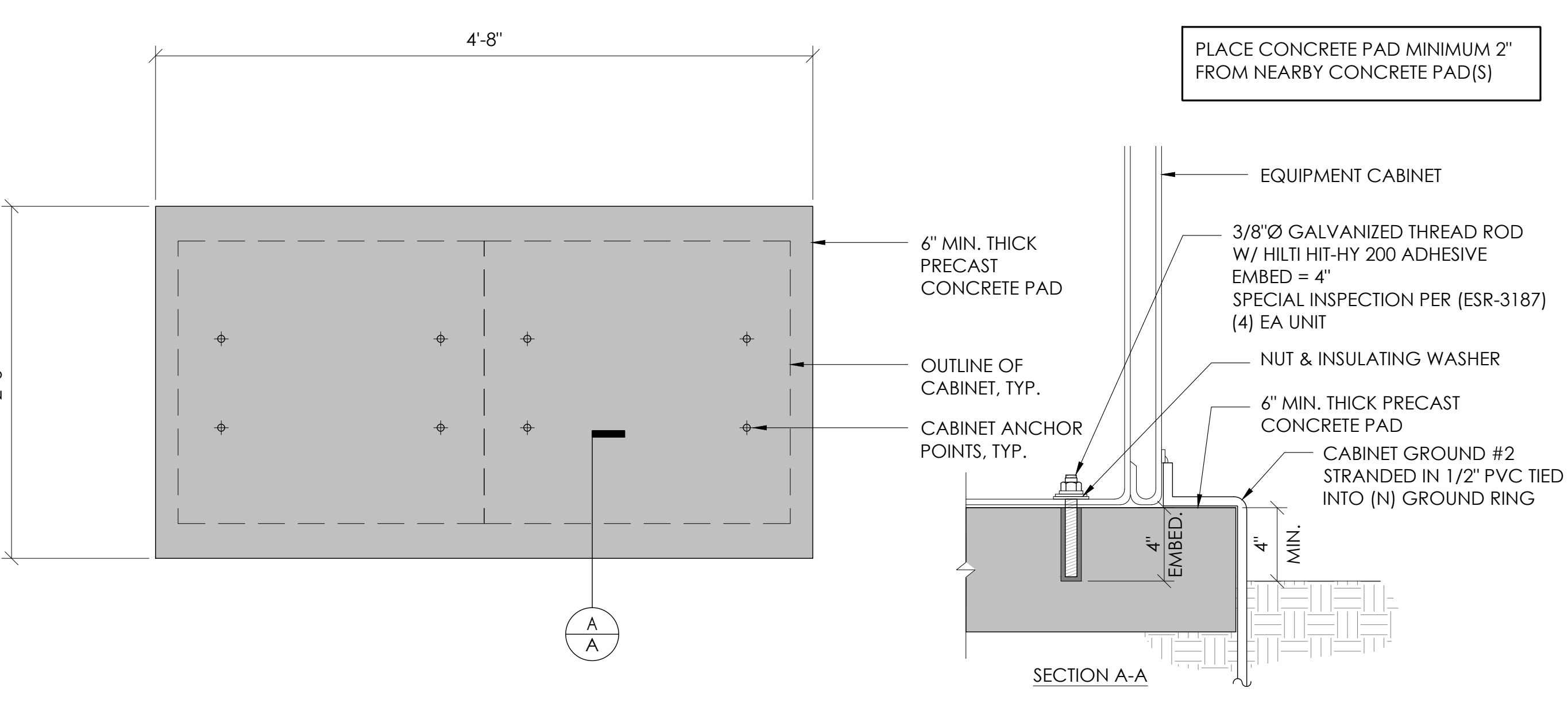
REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	05/22/23	100% CD REV PER PPC#1	RD
3	10/02/23	100% CD REVISION	JG



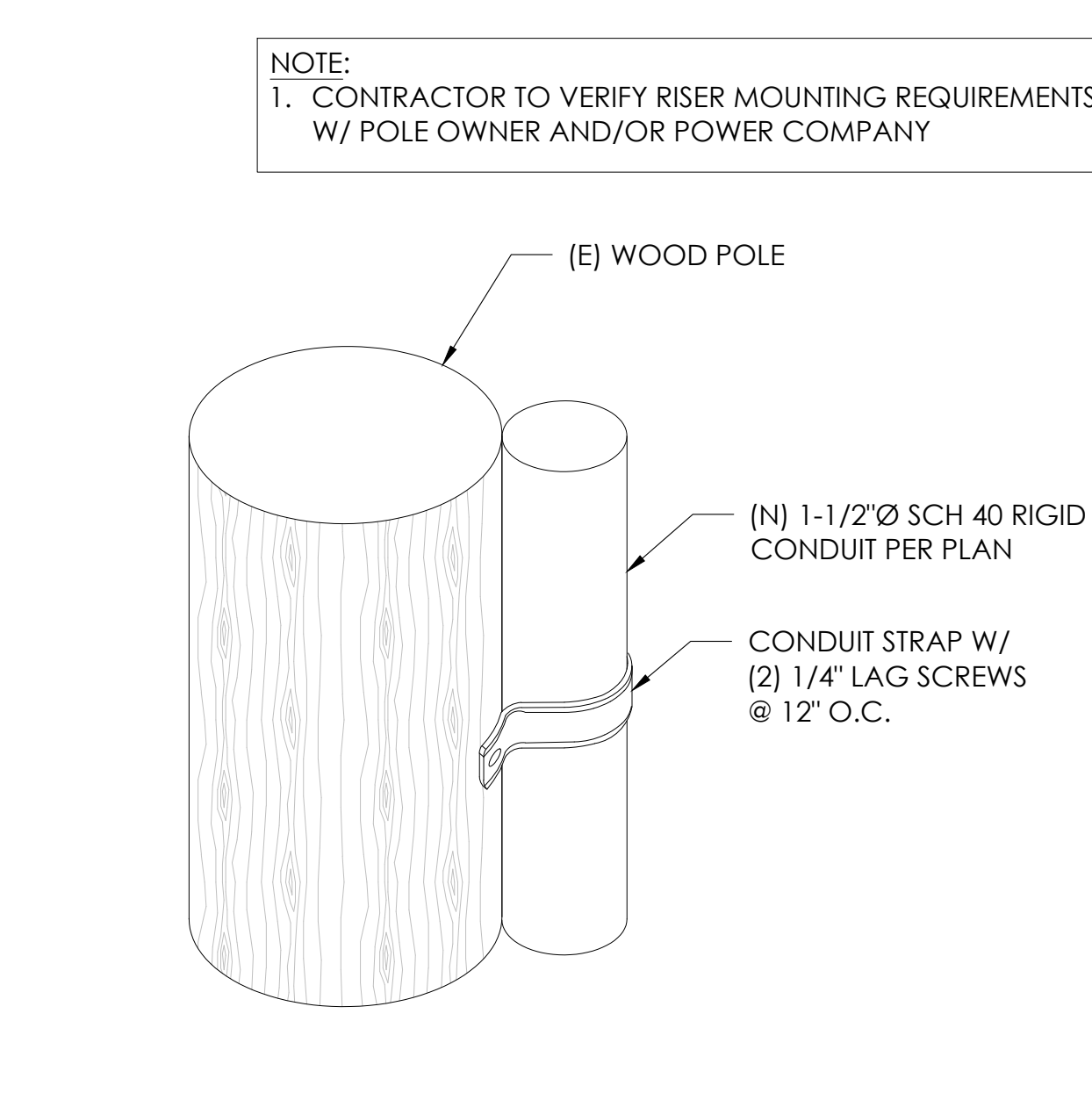
8 STUB-UP DETAIL
N.T.S.



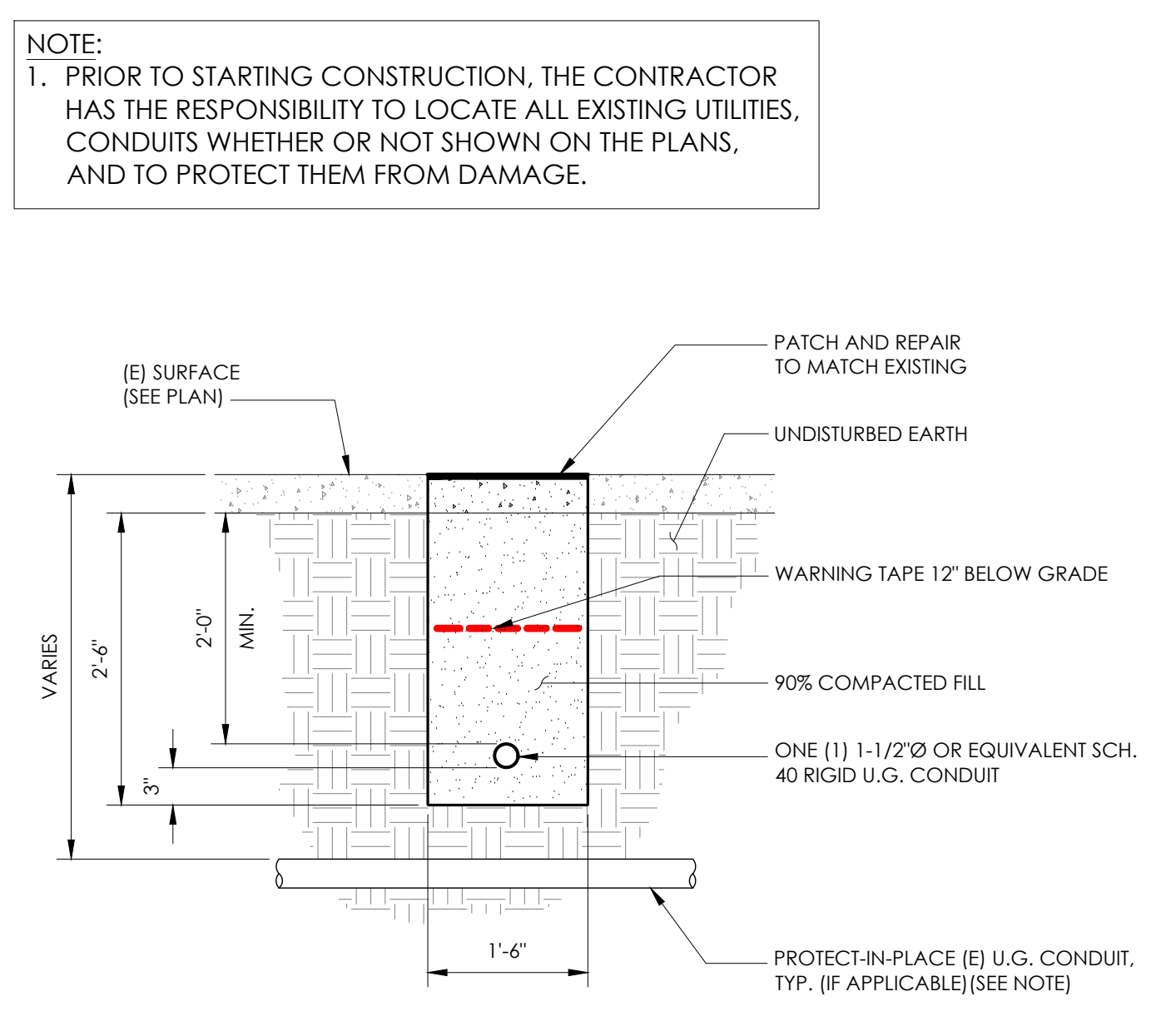
5 POWER SUPPLY DETAIL
N.T.S.



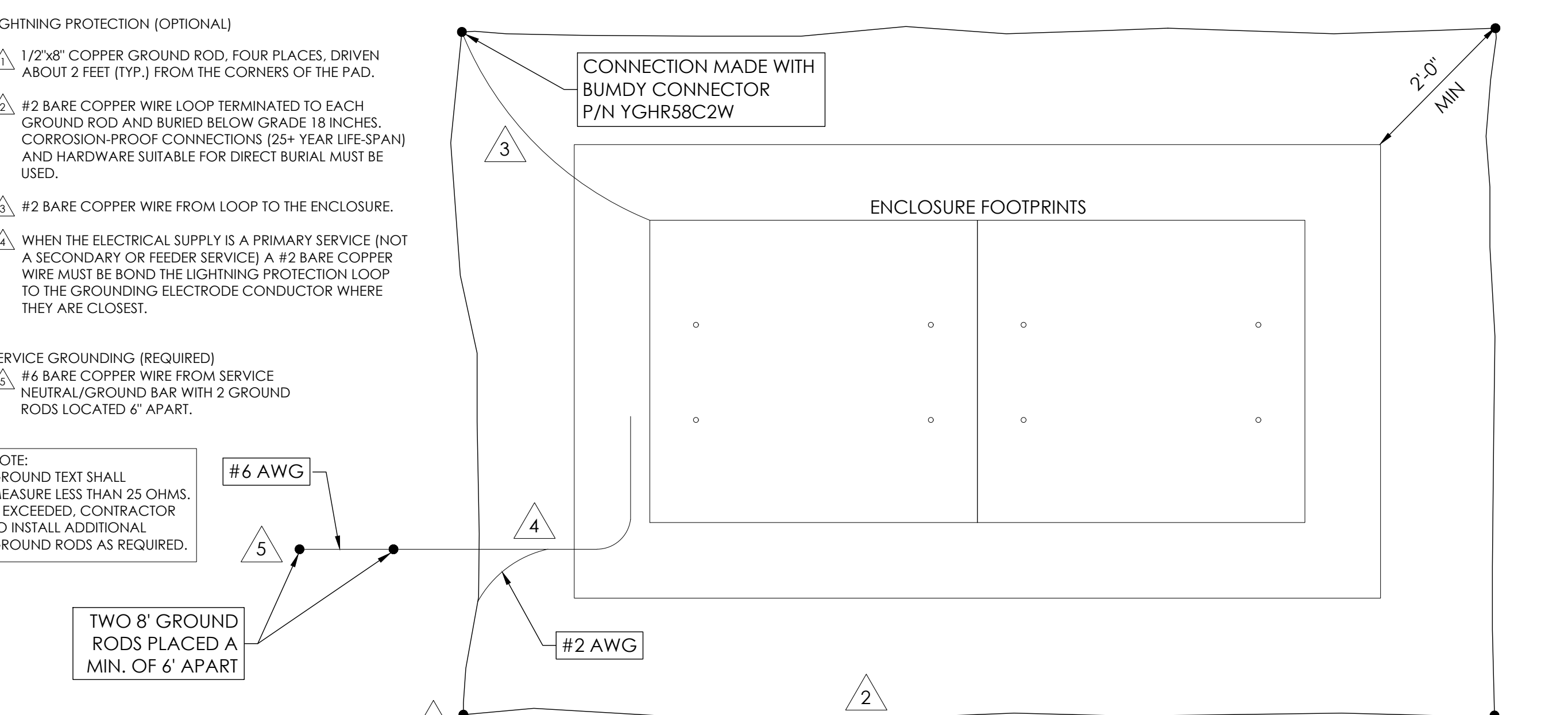
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.

SEAL

FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST120A

SITE ADDRESS:
3421 JANET AVE,
SOUTH LAKE TAHOE, CA
96150

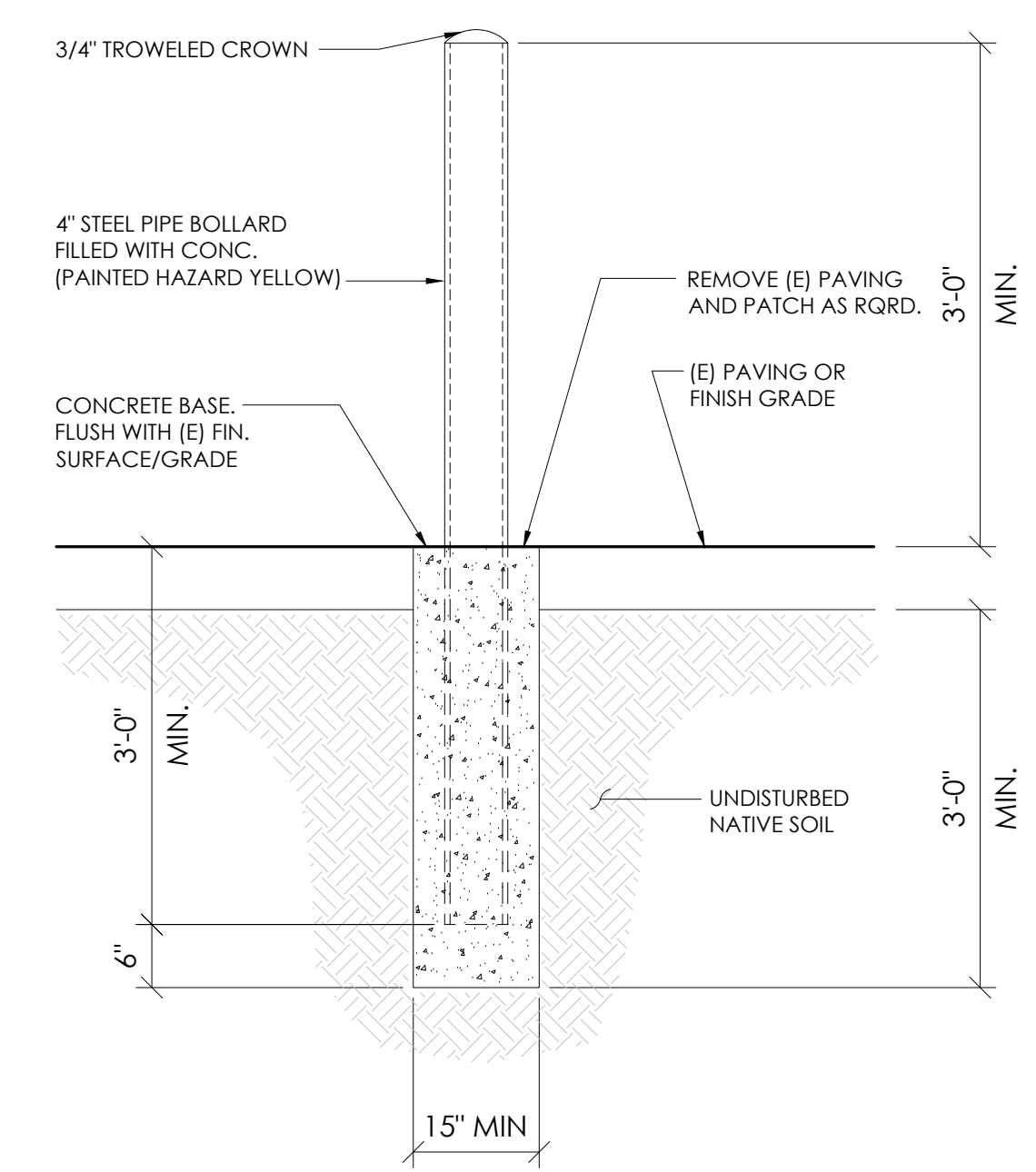
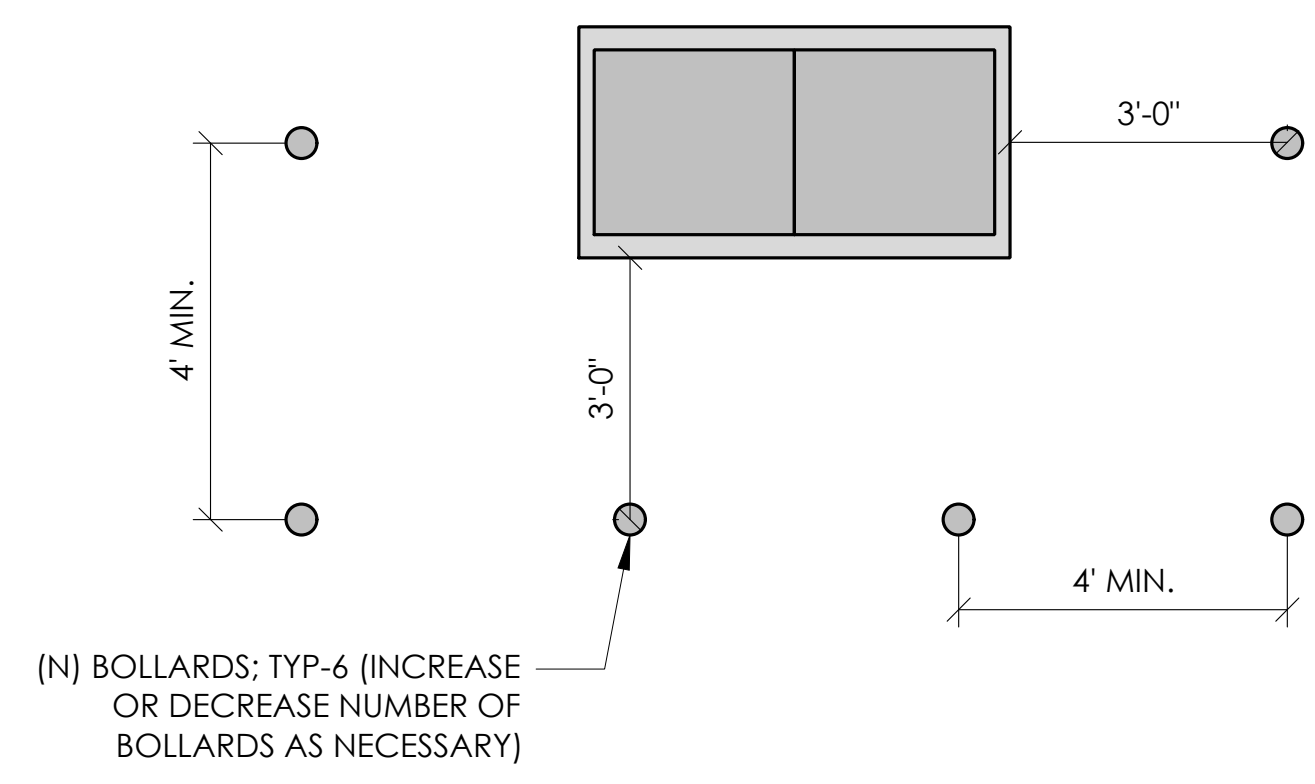
SHEET TITLE:
DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

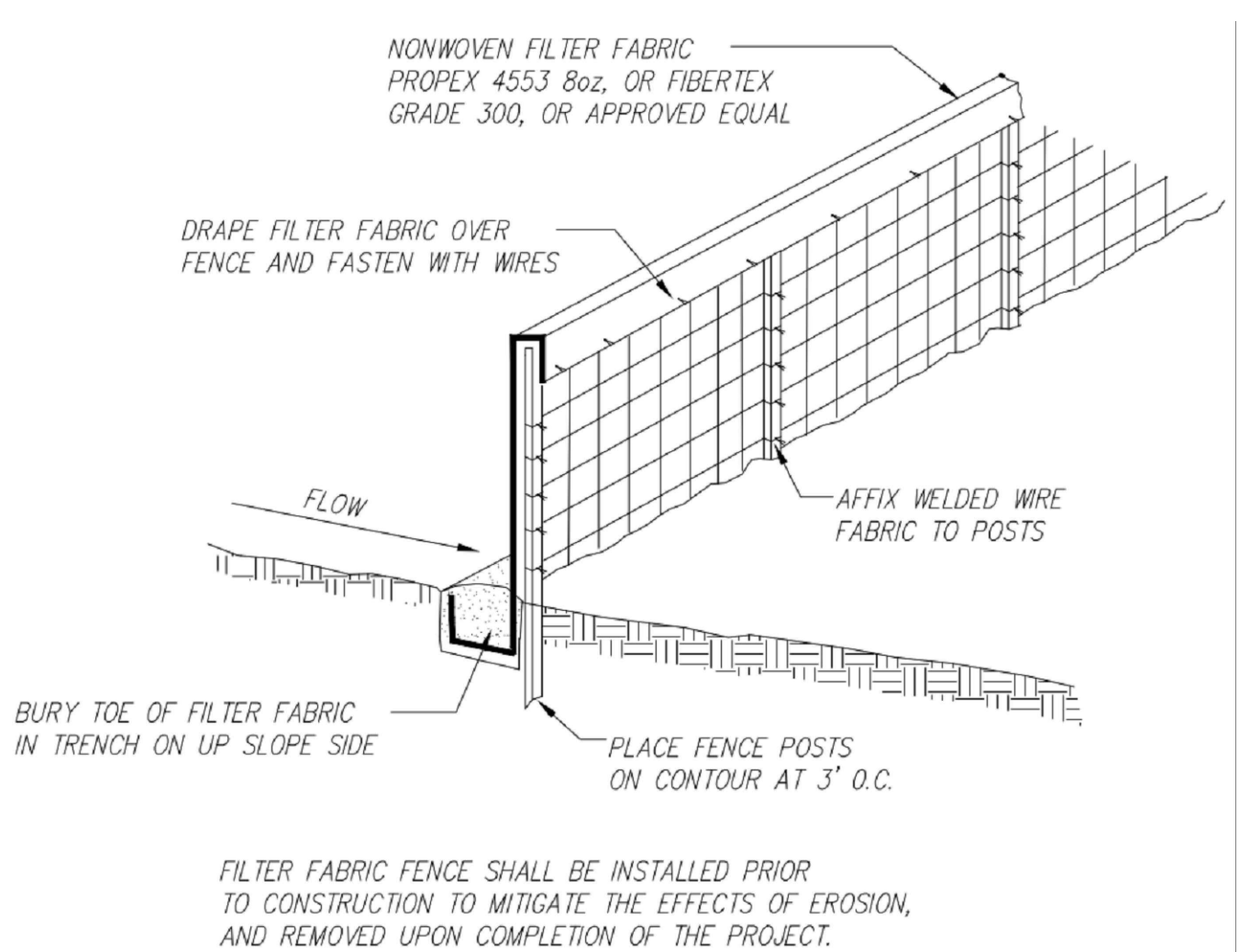
1 BOLLARD DETAIL
N.T.S.



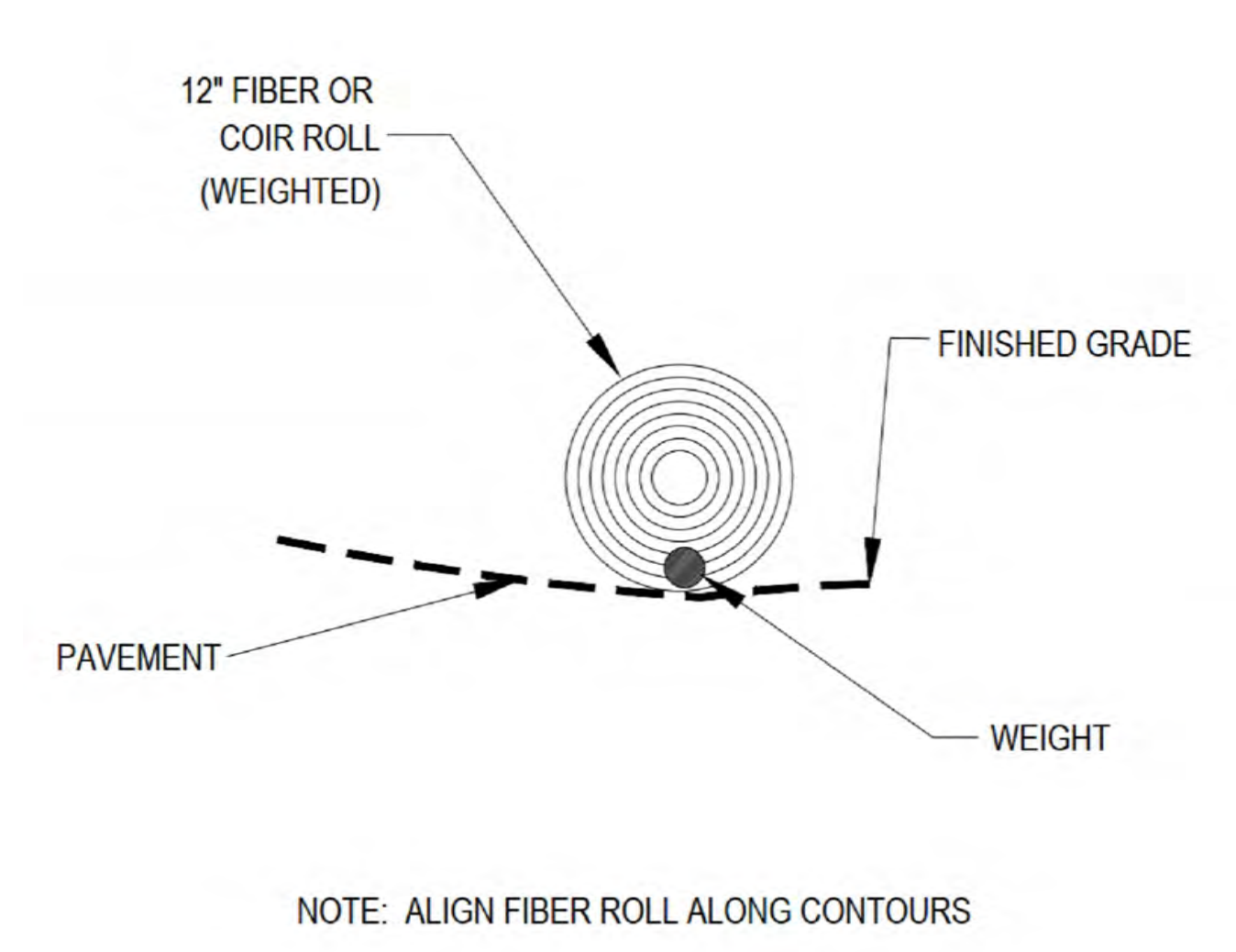
11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

5 EROSION CONTROL FENCING
N.T.S.



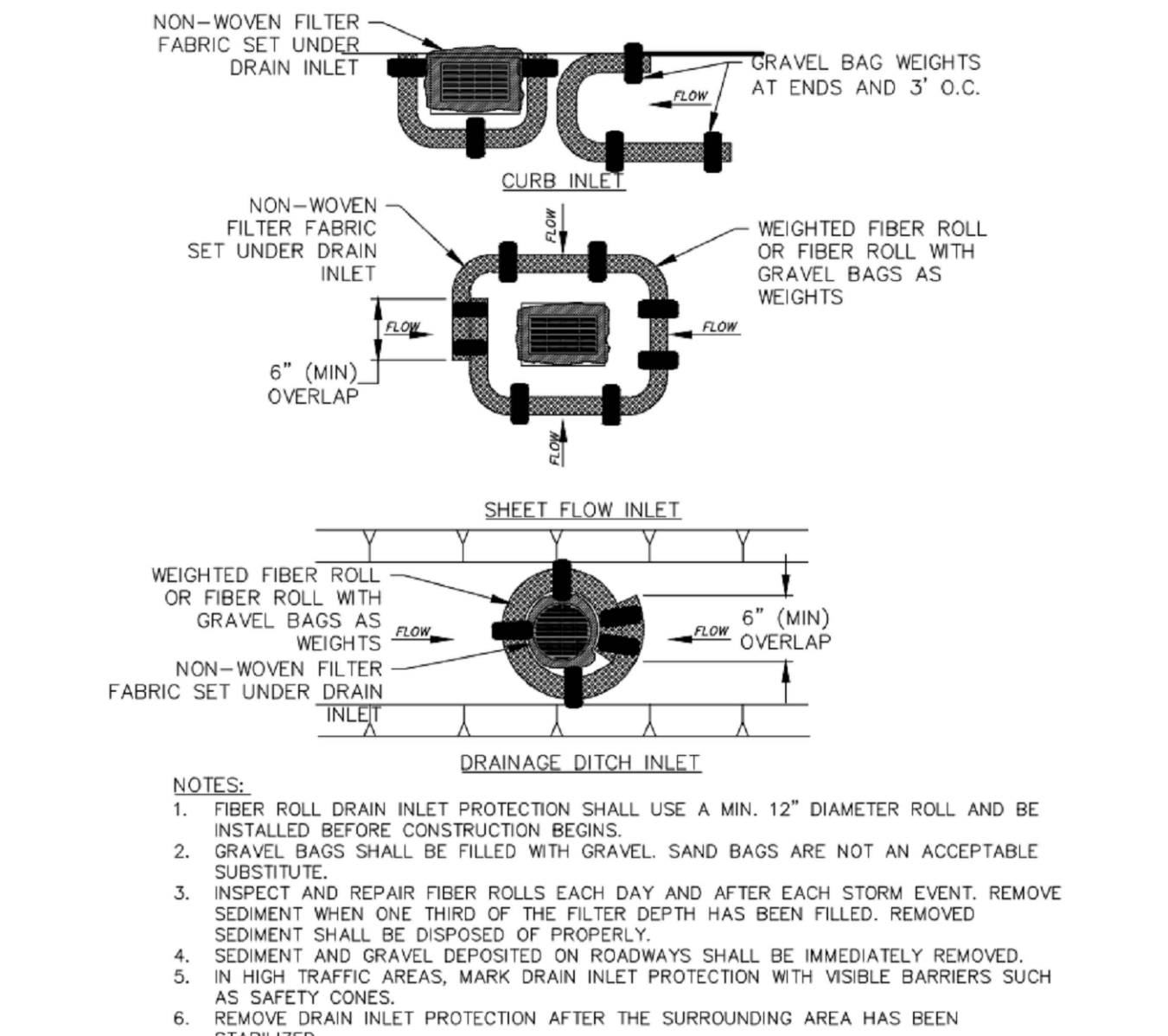
2 WEIGHTED COIR LOGS
N.T.S.



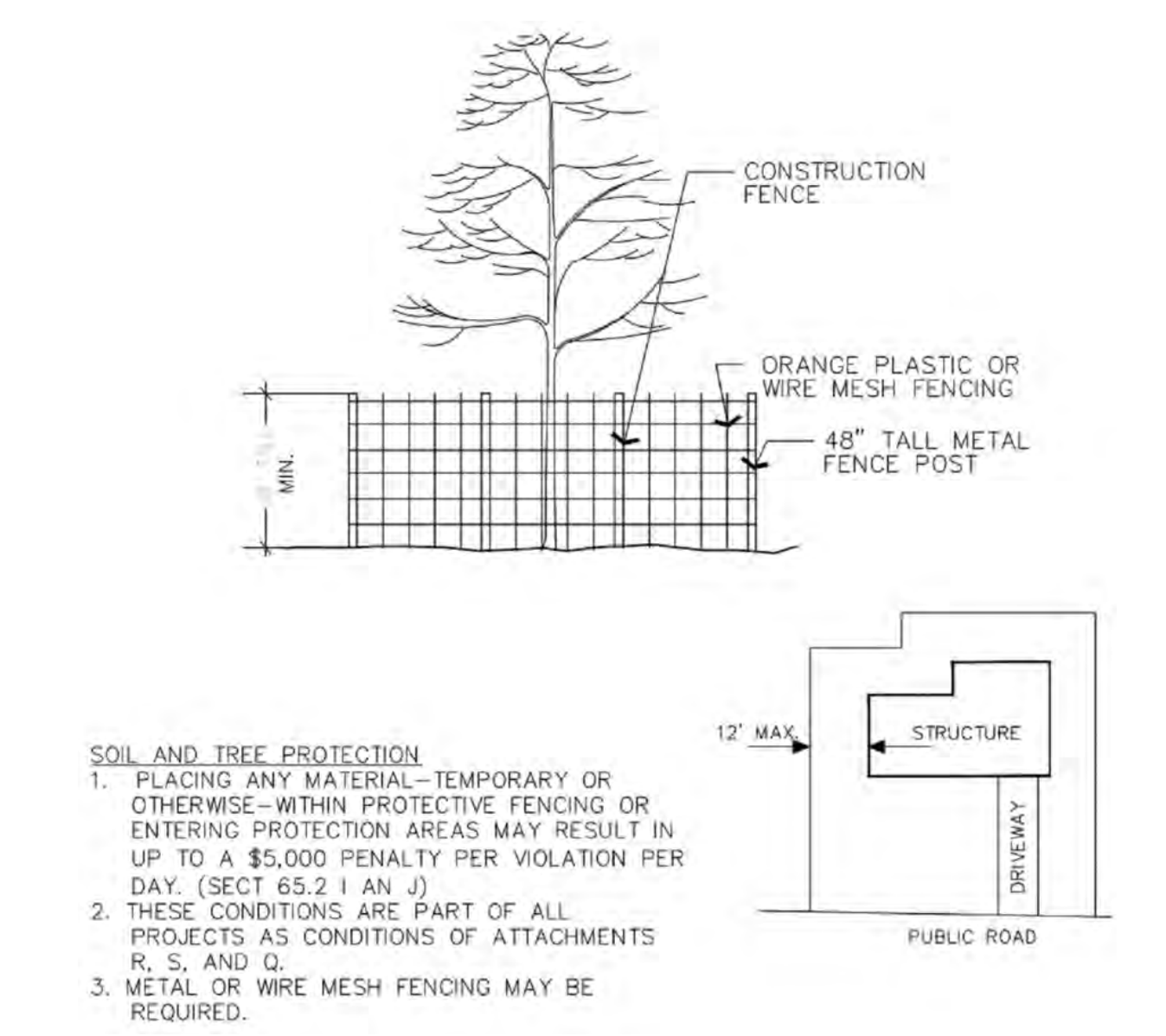
12 NOT USED
N.T.S.

9 NOT USED
N.T.S.

6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

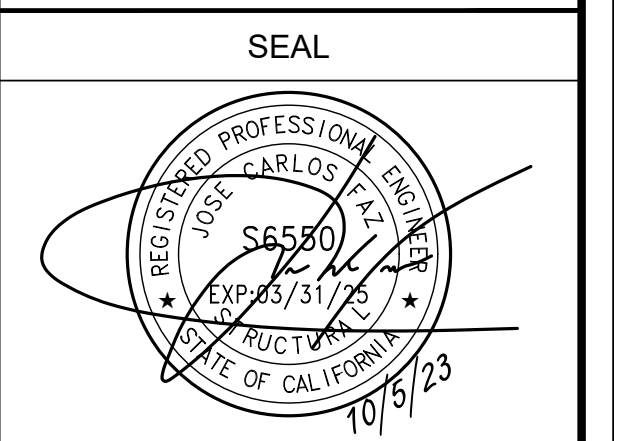


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069684

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	05/22/23	100% CD REV PER PPC#1	RD
3	10/02/23	100% CD REVISION	JG



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST120A_

SITE ADDRESS:
3421 JANET AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

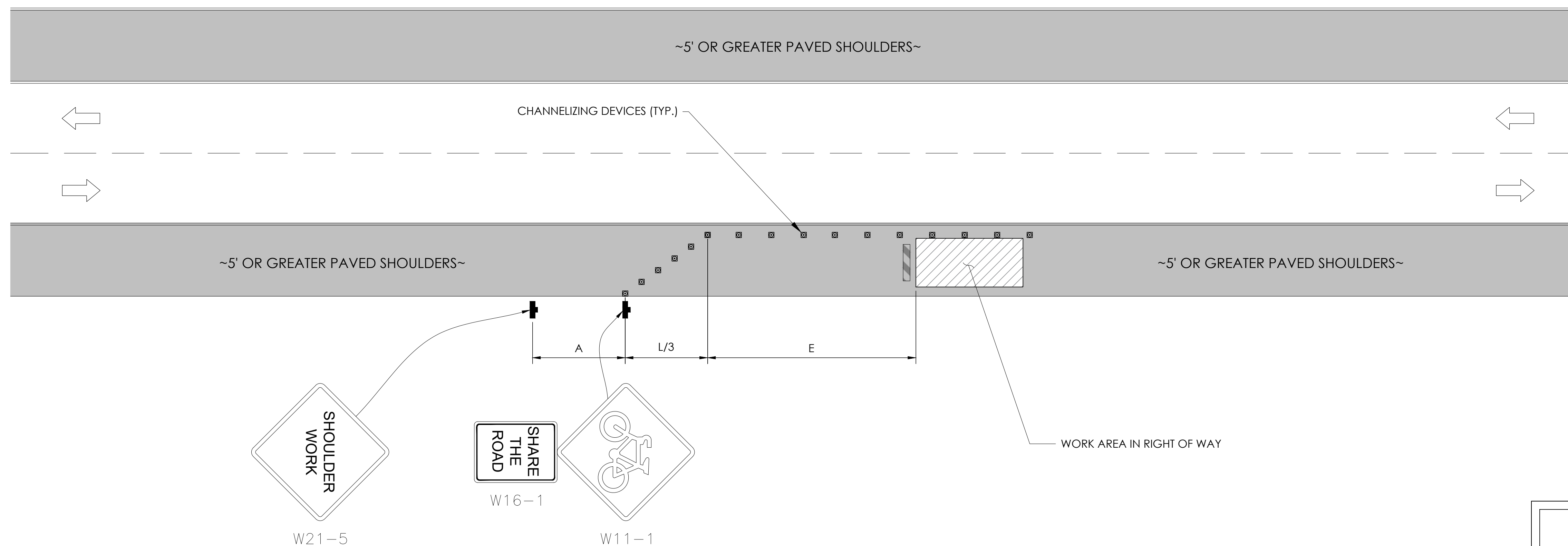
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

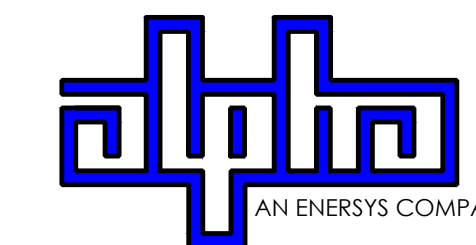
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



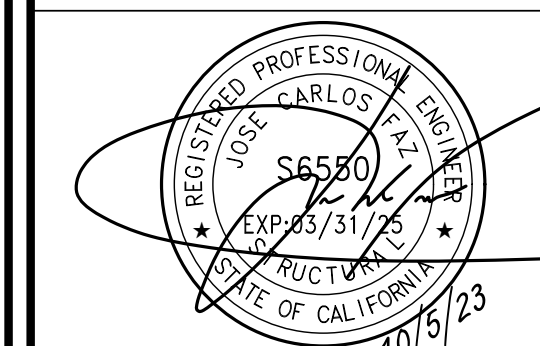
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069684

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	11/28/22	100% CD REV PER PPC#1	KB
2	05/22/23	100% CD REV PER PPC#1	RD
3	10/02/23	100% CD REVISION	JG

SEAL



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST120A_

SITE ADDRESS:
3421 JANET AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP



SITE ID: ST137B_A

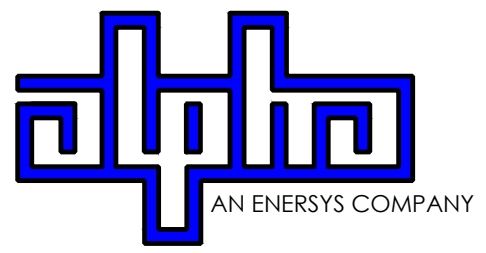
SITE ADDRESS:
3632 TAMARACK AVE,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	3632 TAMARACK AVE SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.94338685, -119.9545833
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	6
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	0.5 C.Y.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAULCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058521

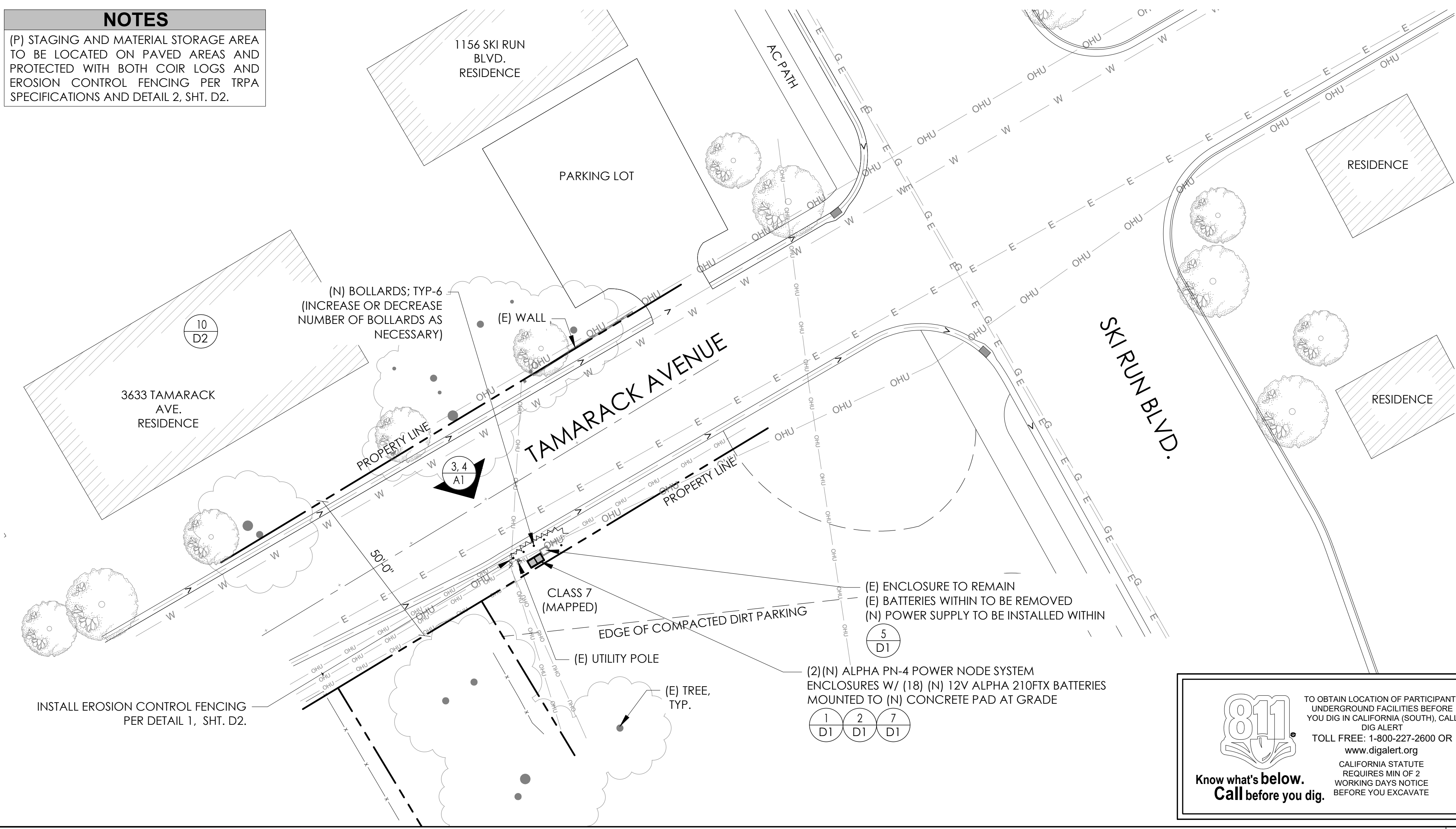
ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	08/06/21	90% CD	JW
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	09/28/23	SURVEY SHEET ADD	MZ

- 2B SCOPE OF WORK**
- THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:
- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
 - INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
 - INSTALLATION OF (1) (N) CONCRETE PAD
 - REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
 - ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

NOTES

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

ENGINEER/ARCHITECT: J5 INFRASTRUCTURE PARTNERS
JOSE M. MIRANDA
ARCHITECT/ENGINEER CONTACT
PH: (949) 247-7767
EMAIL: jmiranda@j5p.com
23 MAULCHLY, SUITE 110
IRVINE, CALIFORNIA, 92618

APPLICANT: ALPHA TECHNOLOGIES, INC.
JOHN CLAY
SERVICE OPERATIONS MANAGER
ENERGY SYSTEMS AMERICAS
PH: (480) 220-1786
EMAIL: jclay@alpha.com

CODE COMPLIANCE

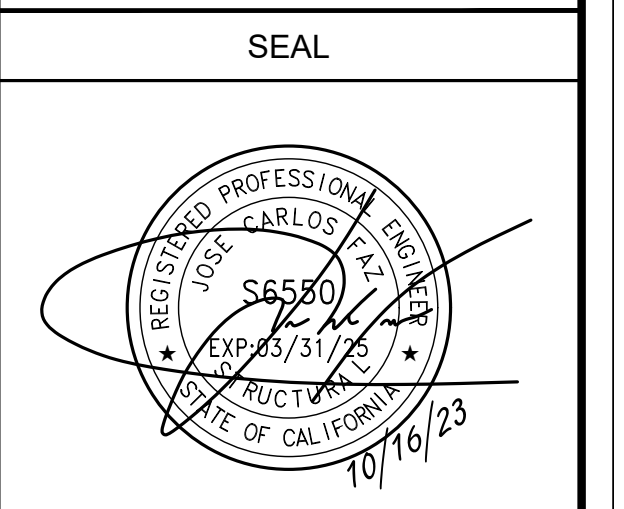
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE, 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANSII/A-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



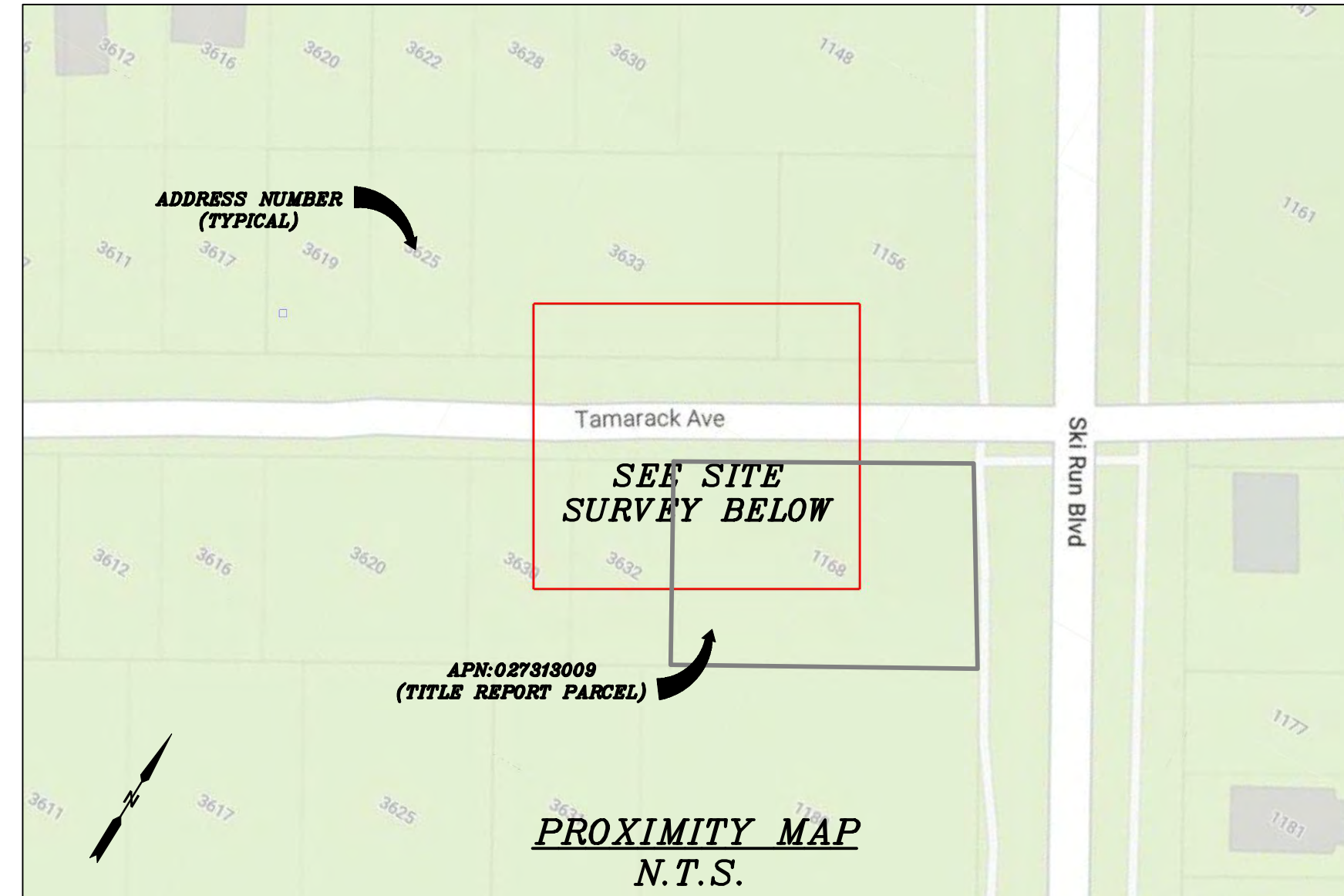
SITE INFORMATION

**SITE ID:
ST137B_A**

SITE ADDRESS:
3632 TAMARACK AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
TITLE SHEET

T1



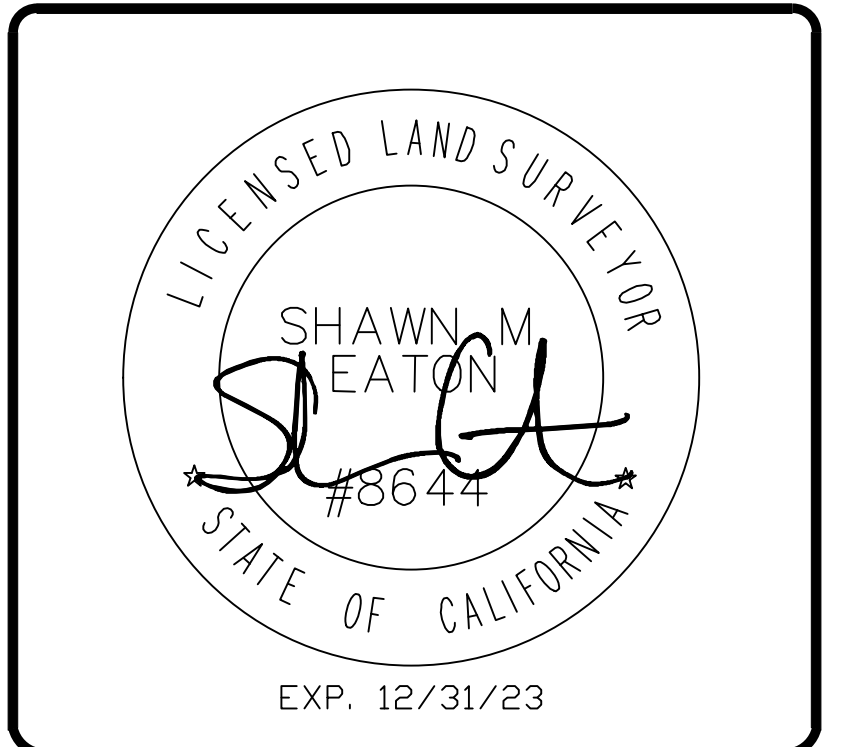
CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

Eaton Land Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST137B_A
3632 TAMARACK AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/30/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

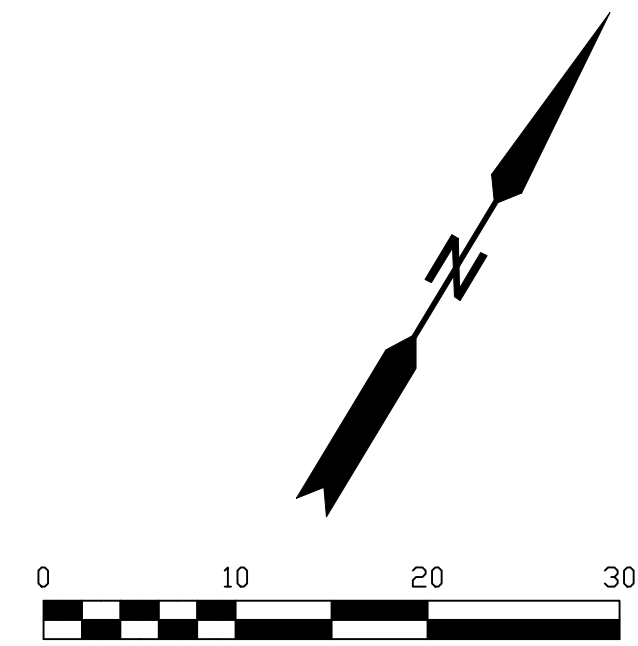
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

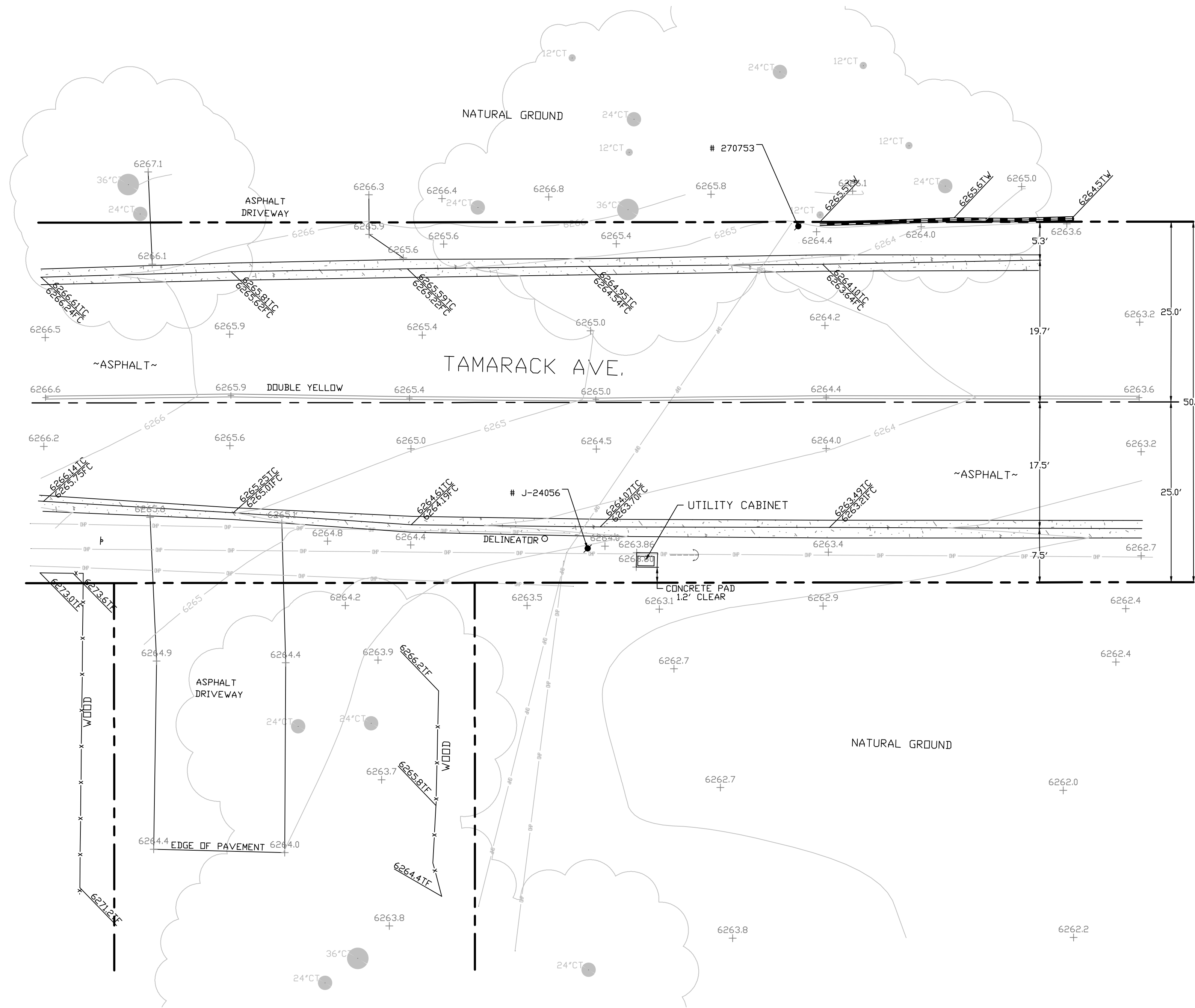
SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 73 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 027-313-009-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032376 DATED 08/31/2023;



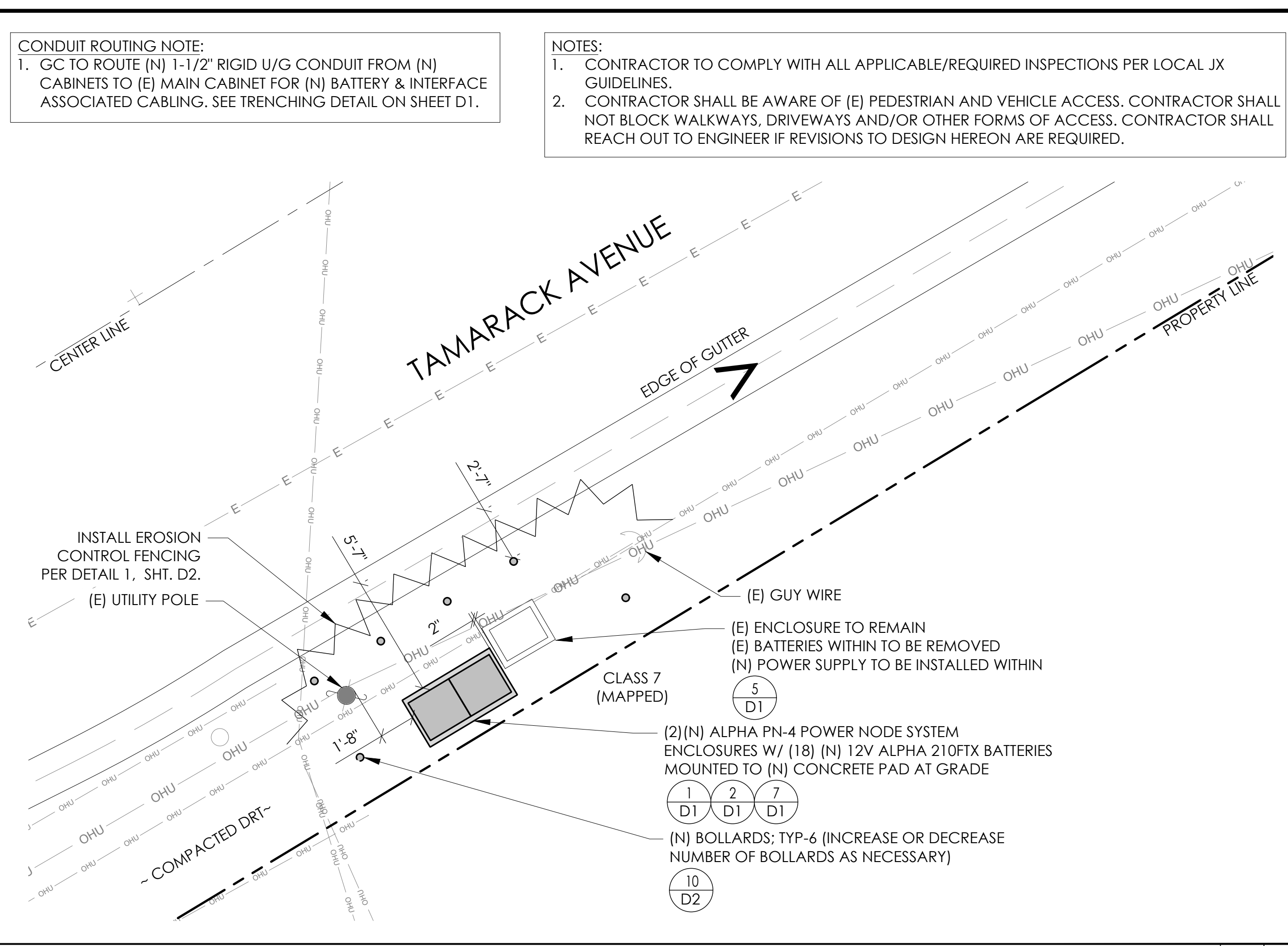
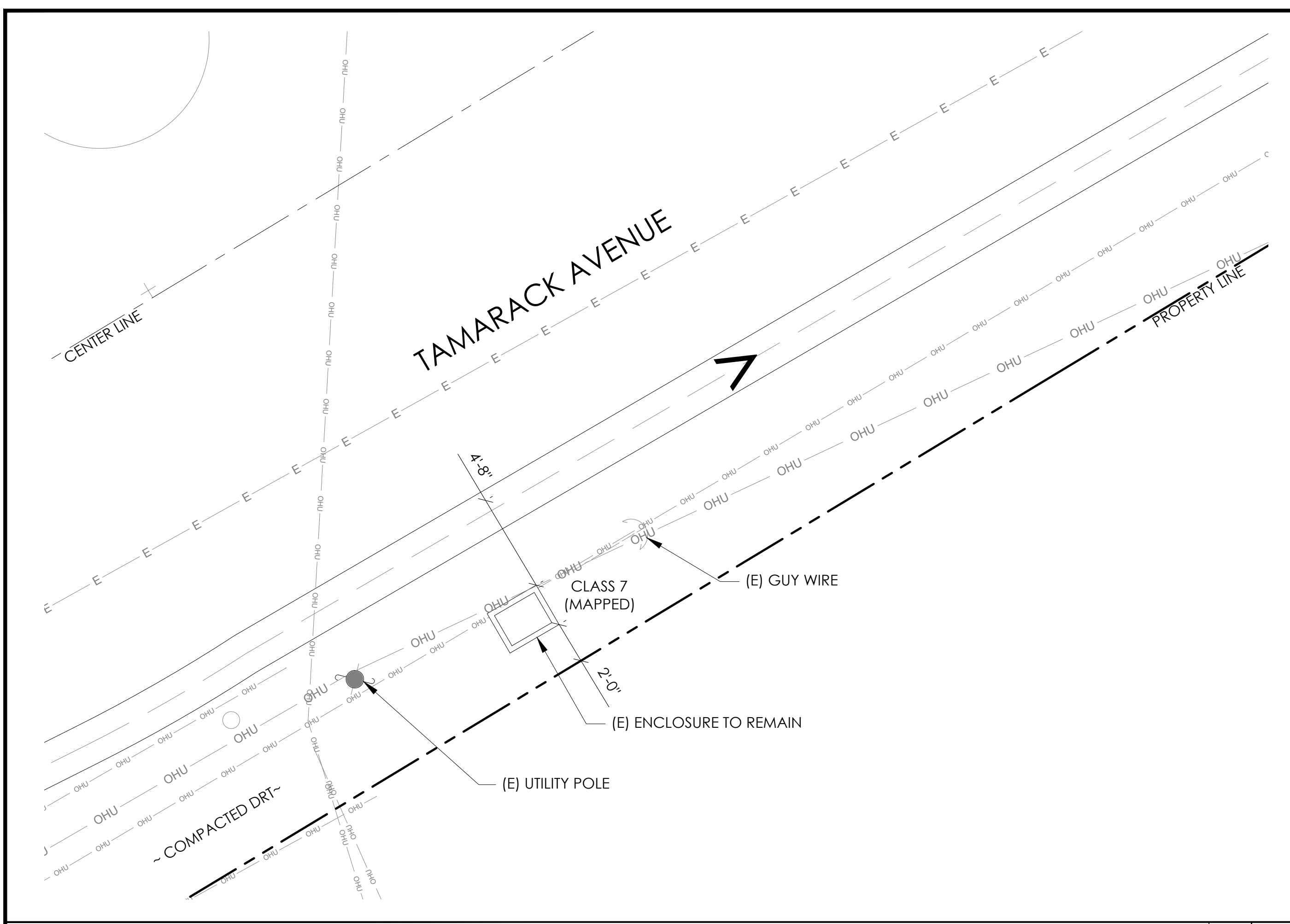
LEGEND
These standard symbols may be found in the drawing.

	CONCRETE
	PROPERTY LINE
	CENTER LINE
	OVERHEAD LINE
	FENCE
	HEADER
	RDOF
	WALL
	ROCK WALL
	PULLBOX ELECTRIC
	PULLBOX TELEPHONE
	PULLBOX COMMUNICATION
	WATER METER
	WATER VALVE
	POWER POLE
	ELEVATION GRADE
	GUY WIRE
	MAILBOX
	SIGN
	MANHOLE TELEPHONE
	MANHOLE SEWER
	RECTANGLE INLET
	FIRE HYDRANT
	SHRUB
	TRUNK
	CT CONIFEROUS TREE
	DT DECIDUOUS TREE
	TC TOP OF CURB
	FC FACE OF CURB
	TF TOP OF FENCE
	Tw TOP OF WALL
	CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'



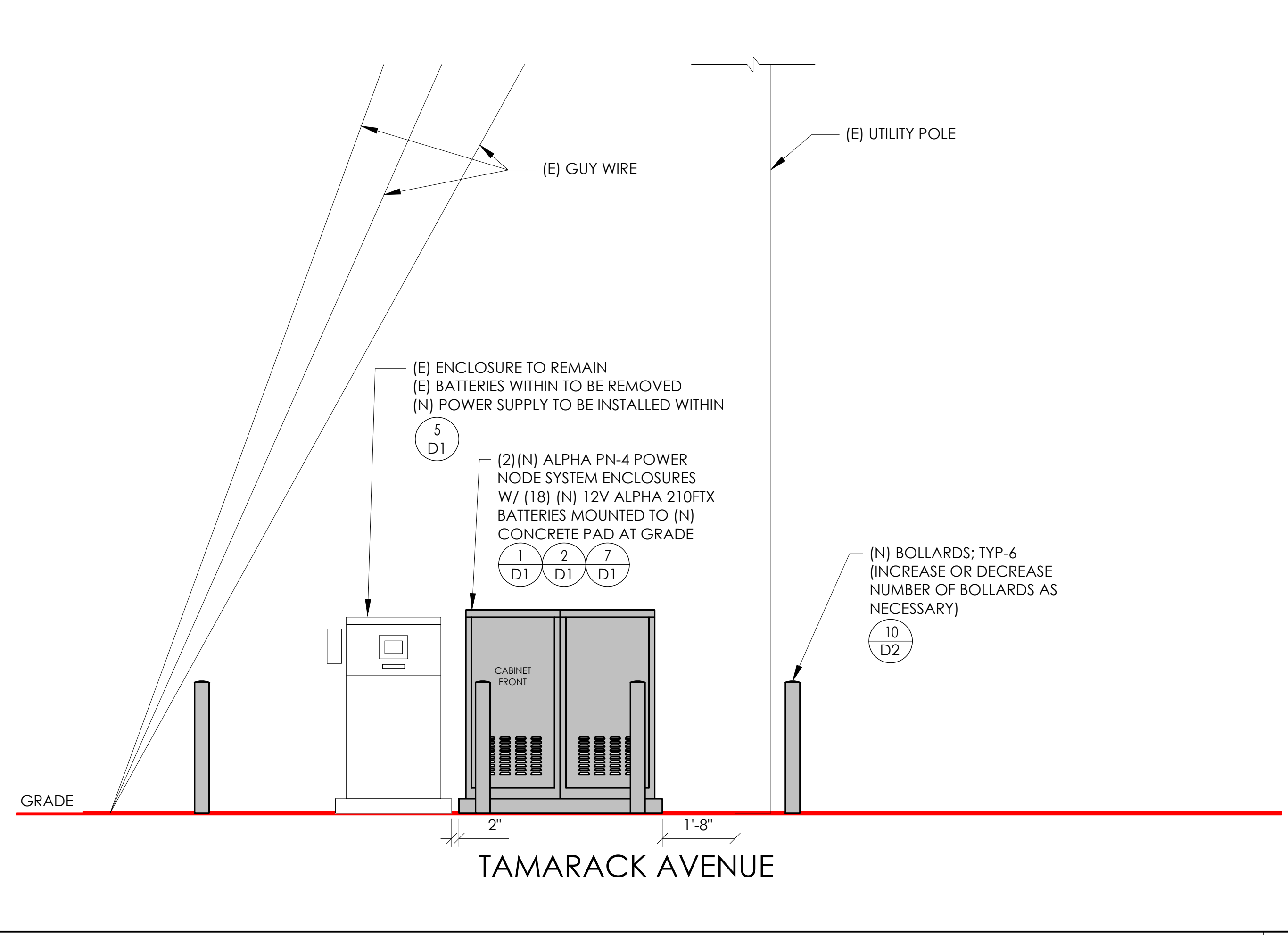
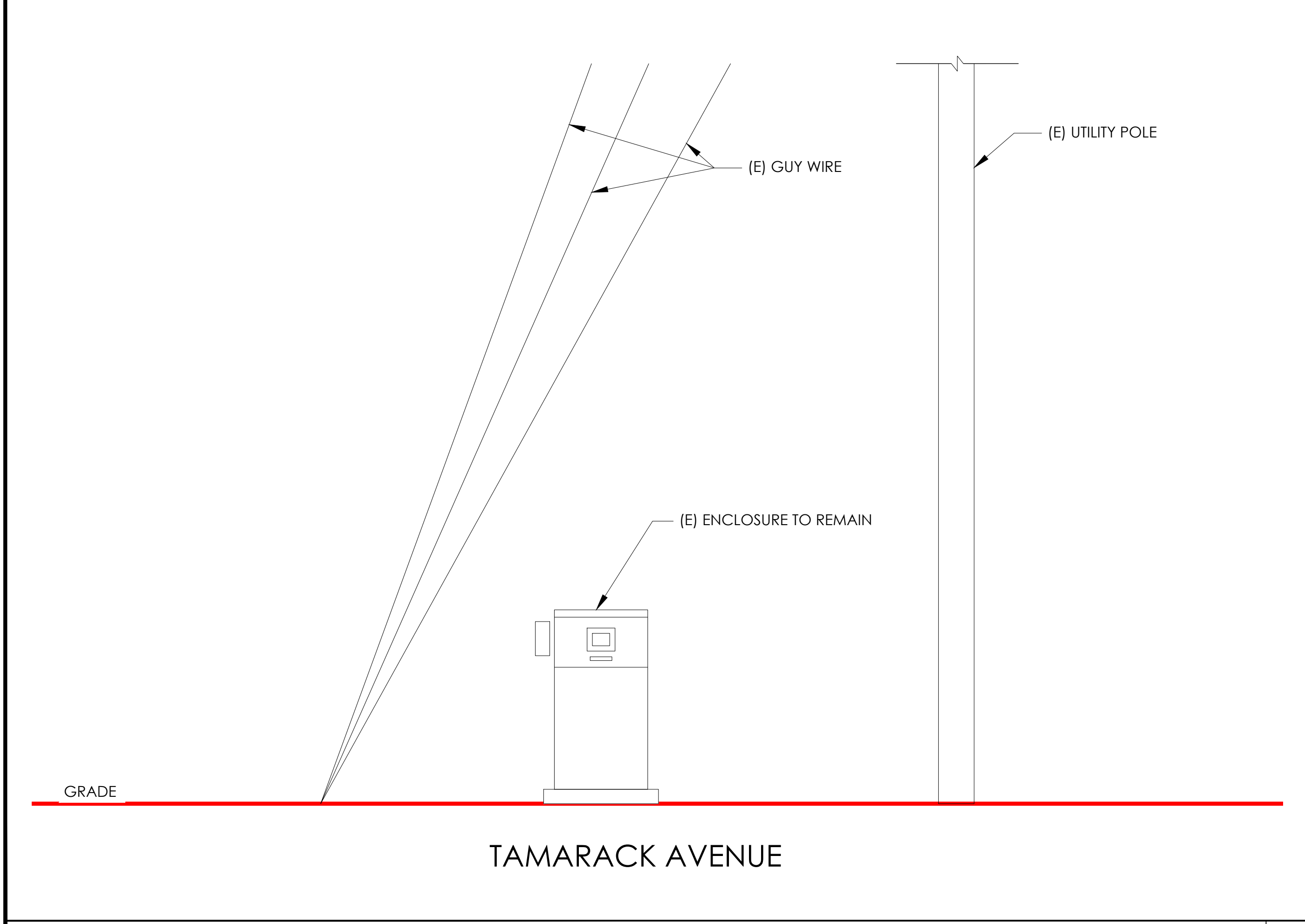


CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

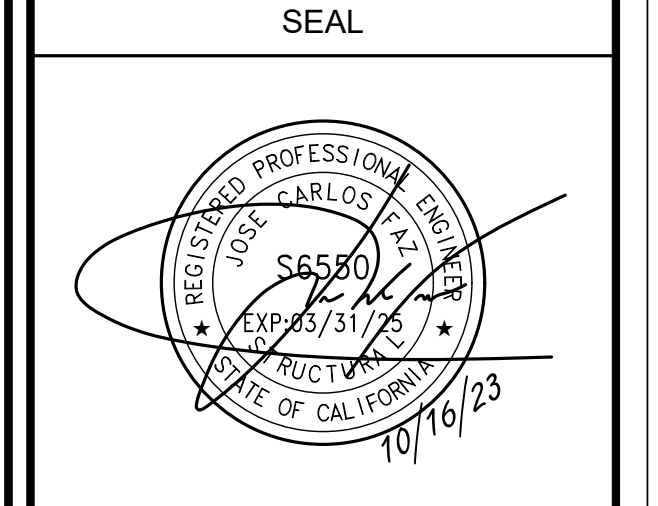
alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058521

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	08/06/21	90% CD	JW
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	09/28/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

SITE ID:
 ST137B_A

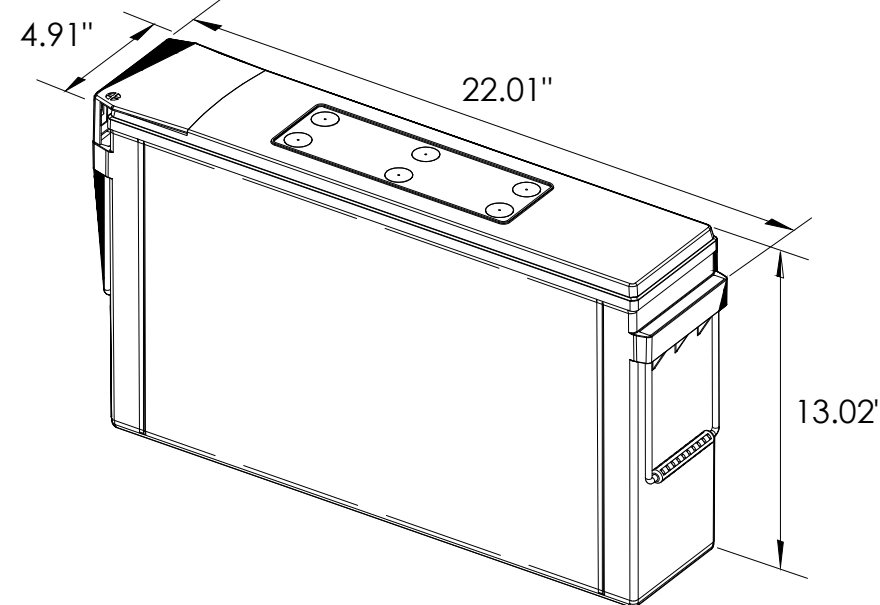
SITE ADDRESS:
 3632 TAMARACK AVE,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA
210 FX BATTERY UNIT



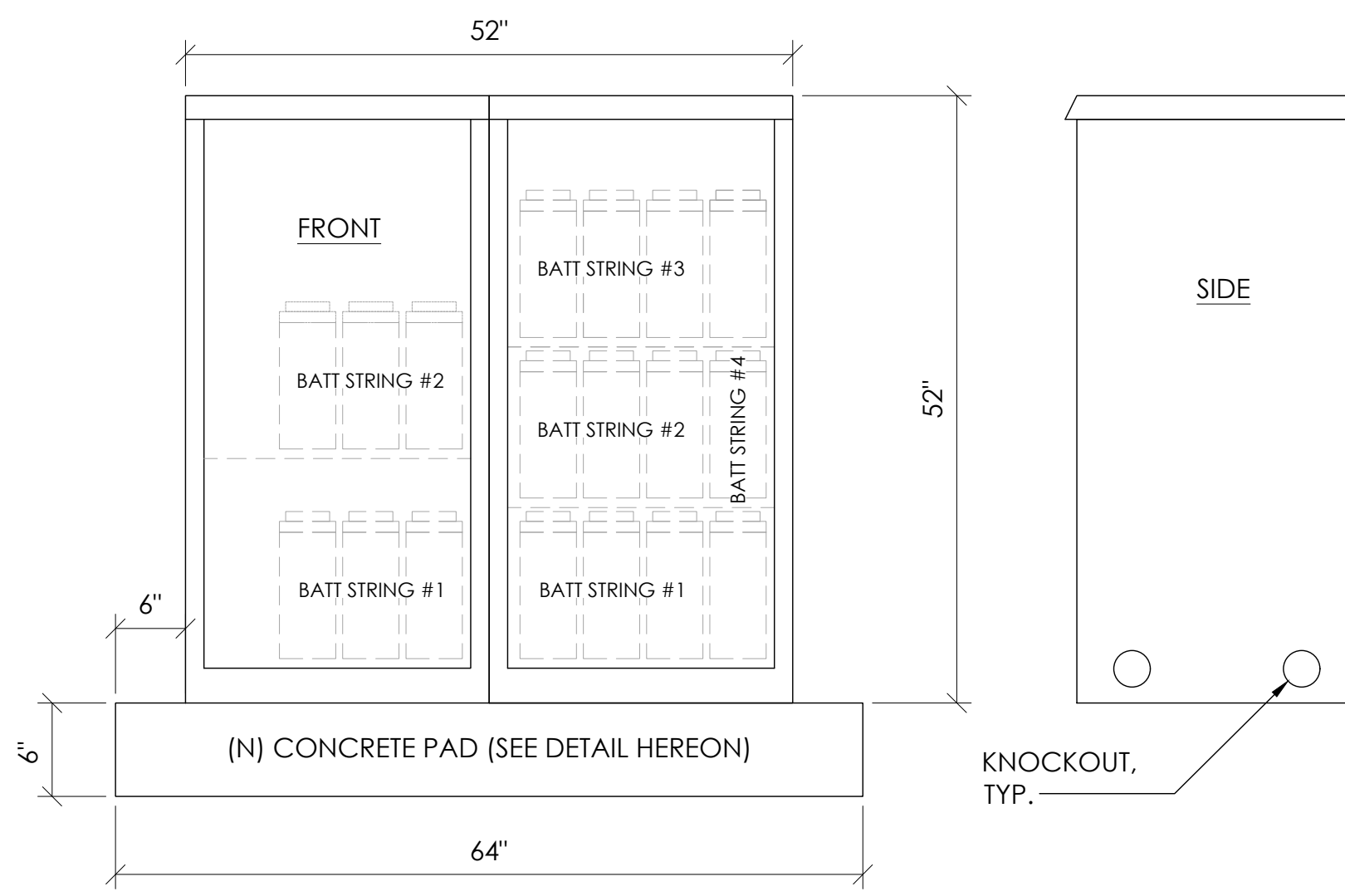
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG: ALPHA
MODEL: 210 FX
HEIGHT: 13.02 IN
WIDTH: 4.91 IN
LENGTH: 22.01 IN
WEIGHT: 145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

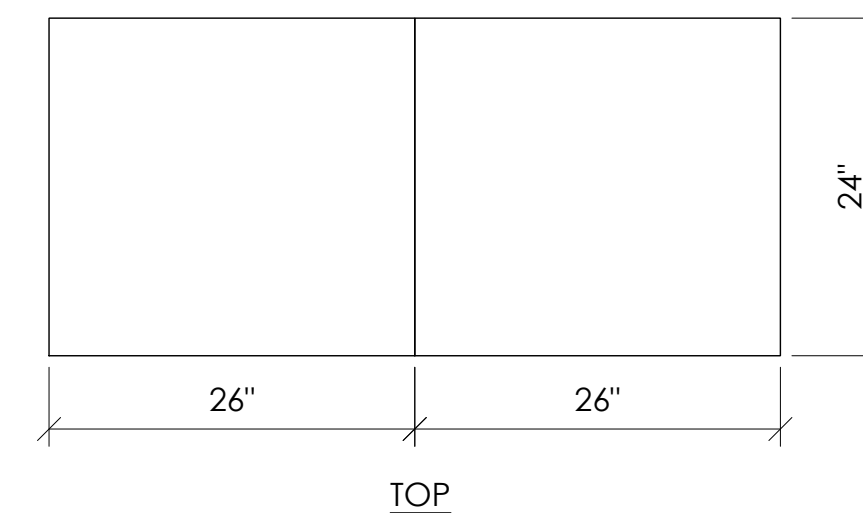


CABINET SPECIFICATIONS

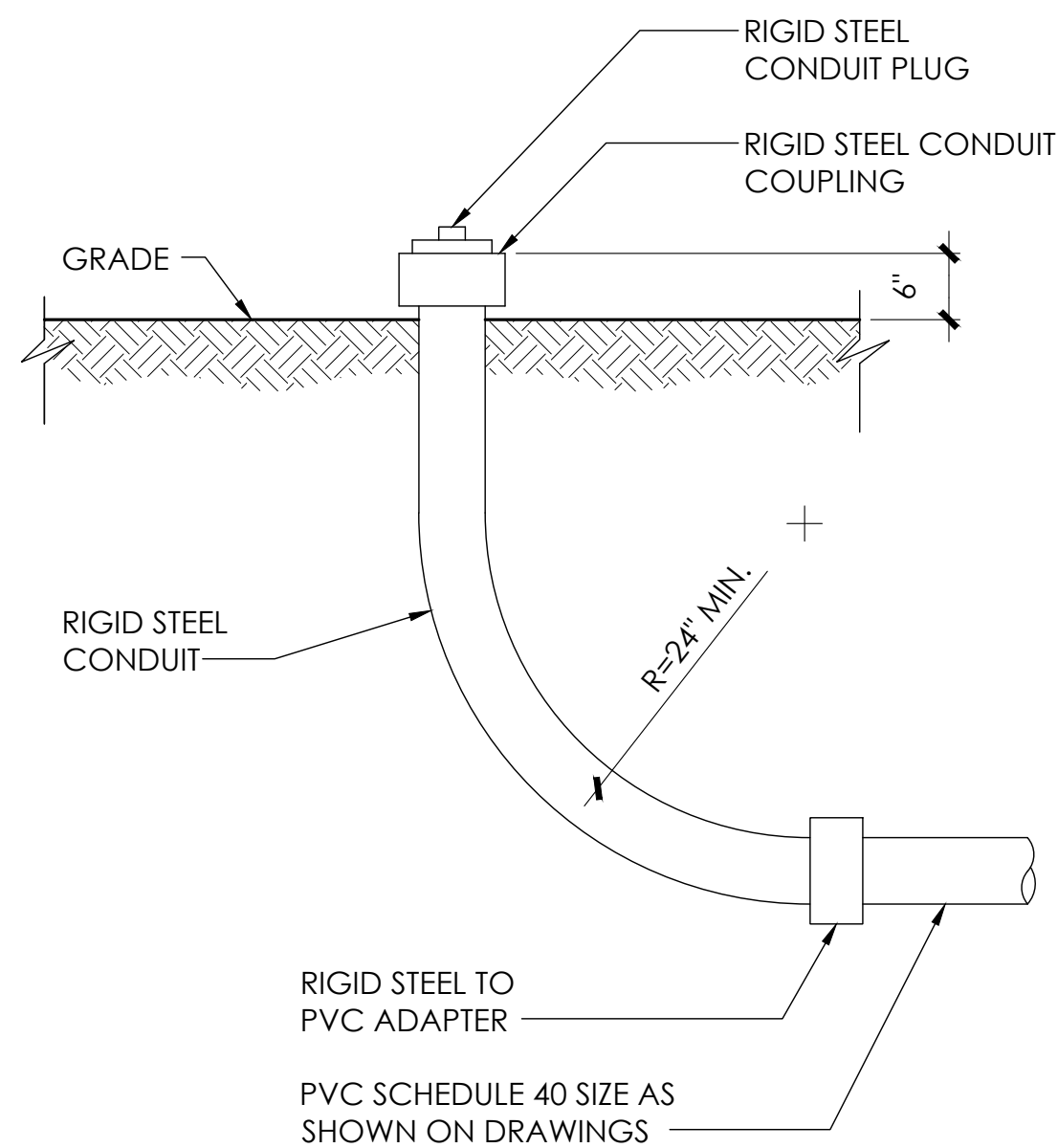
MANUFACTURER: ALPHA
MODEL: PN-4
HEIGHT: 52"
WIDTH: 26"
DEPTH: 24"
WEIGHT (EMPTY): 360 LBS.
WEIGHT (W/ BATTERIES): 2,970 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



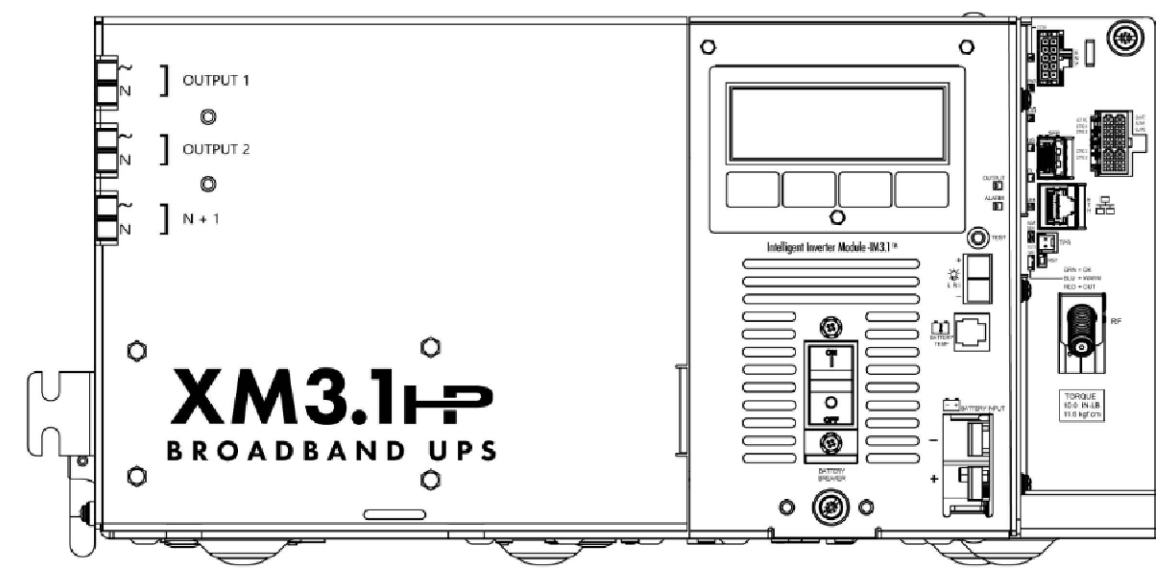
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

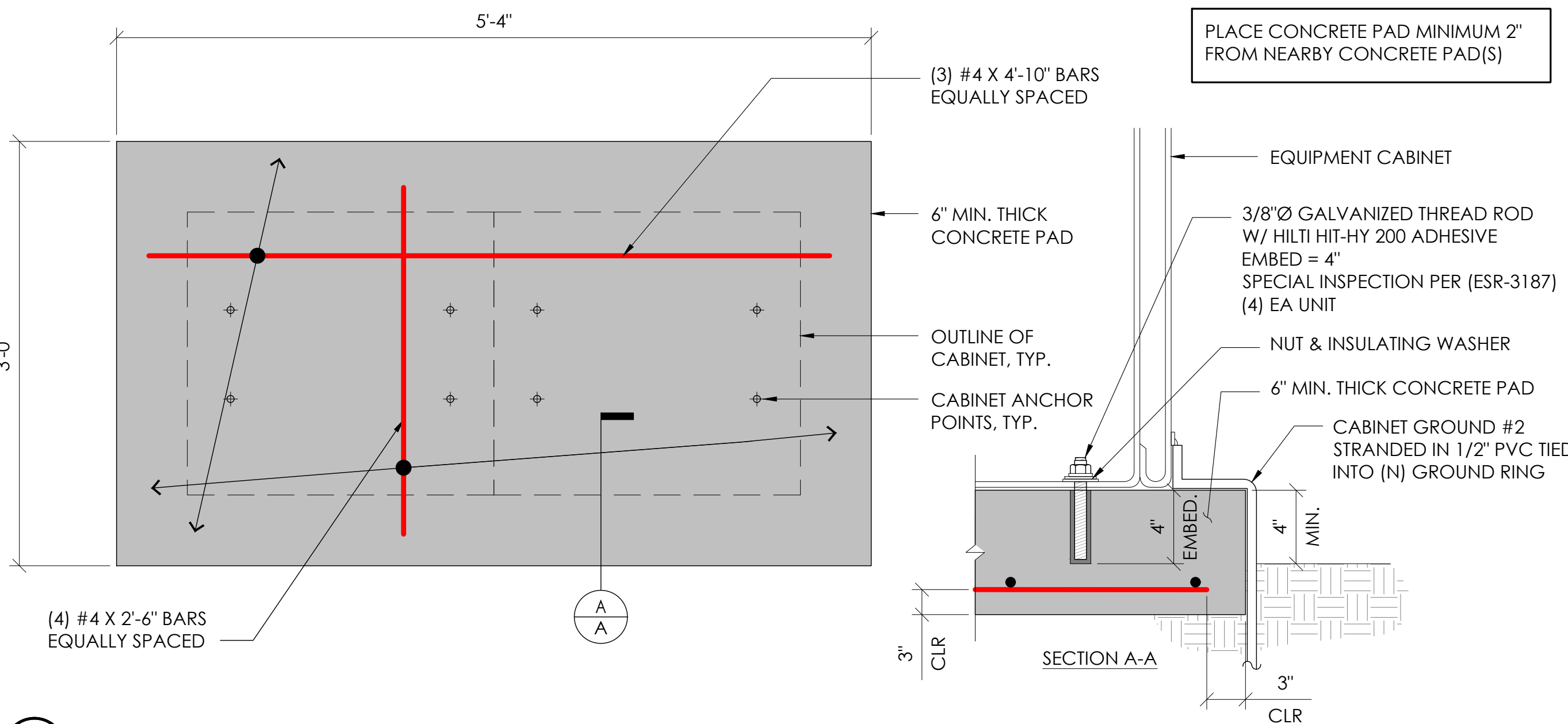
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG: ALPHA
MODEL: XM3.1-HP
HEIGHT: 7.76 IN
WIDTH: 16.43 IN
DEPTH: 10.57 IN
WEIGHT: 61 LBS

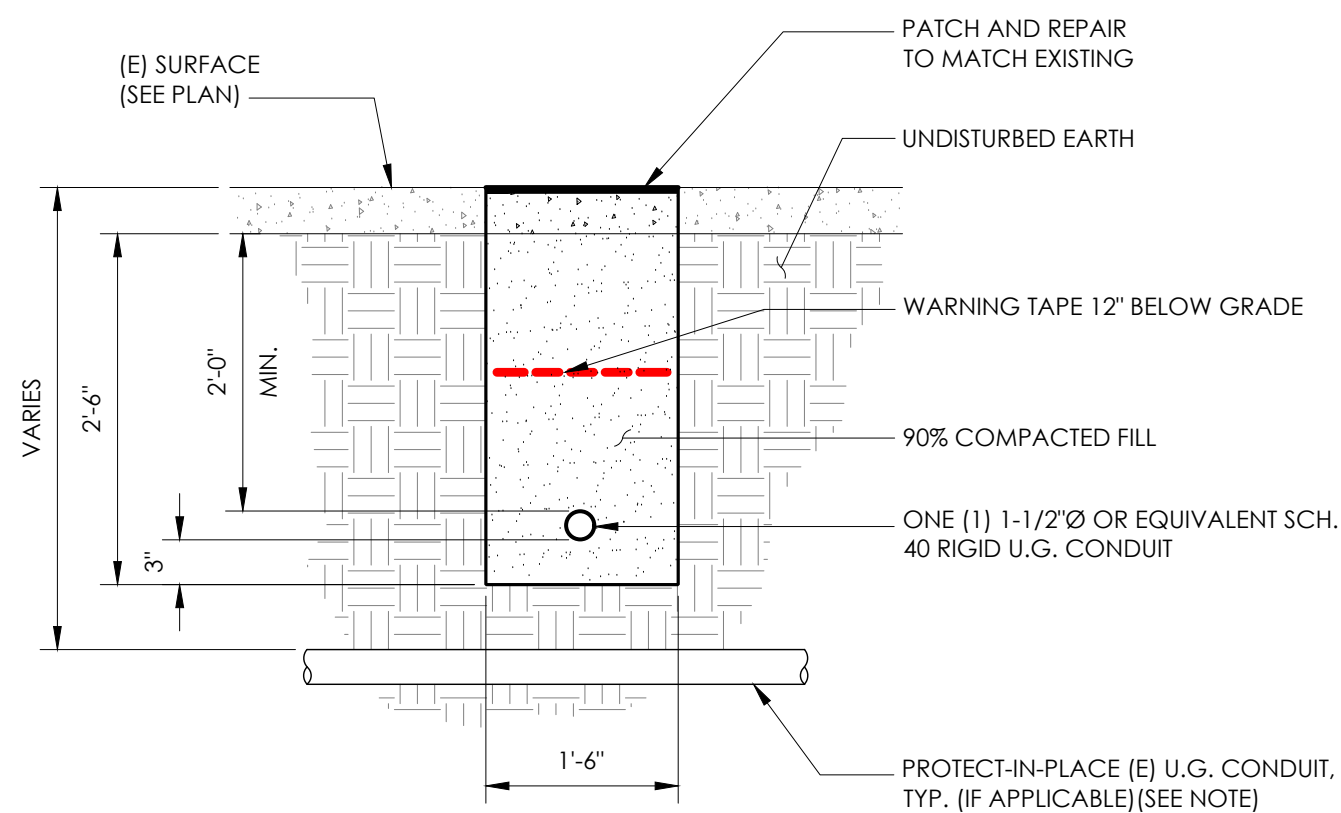


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

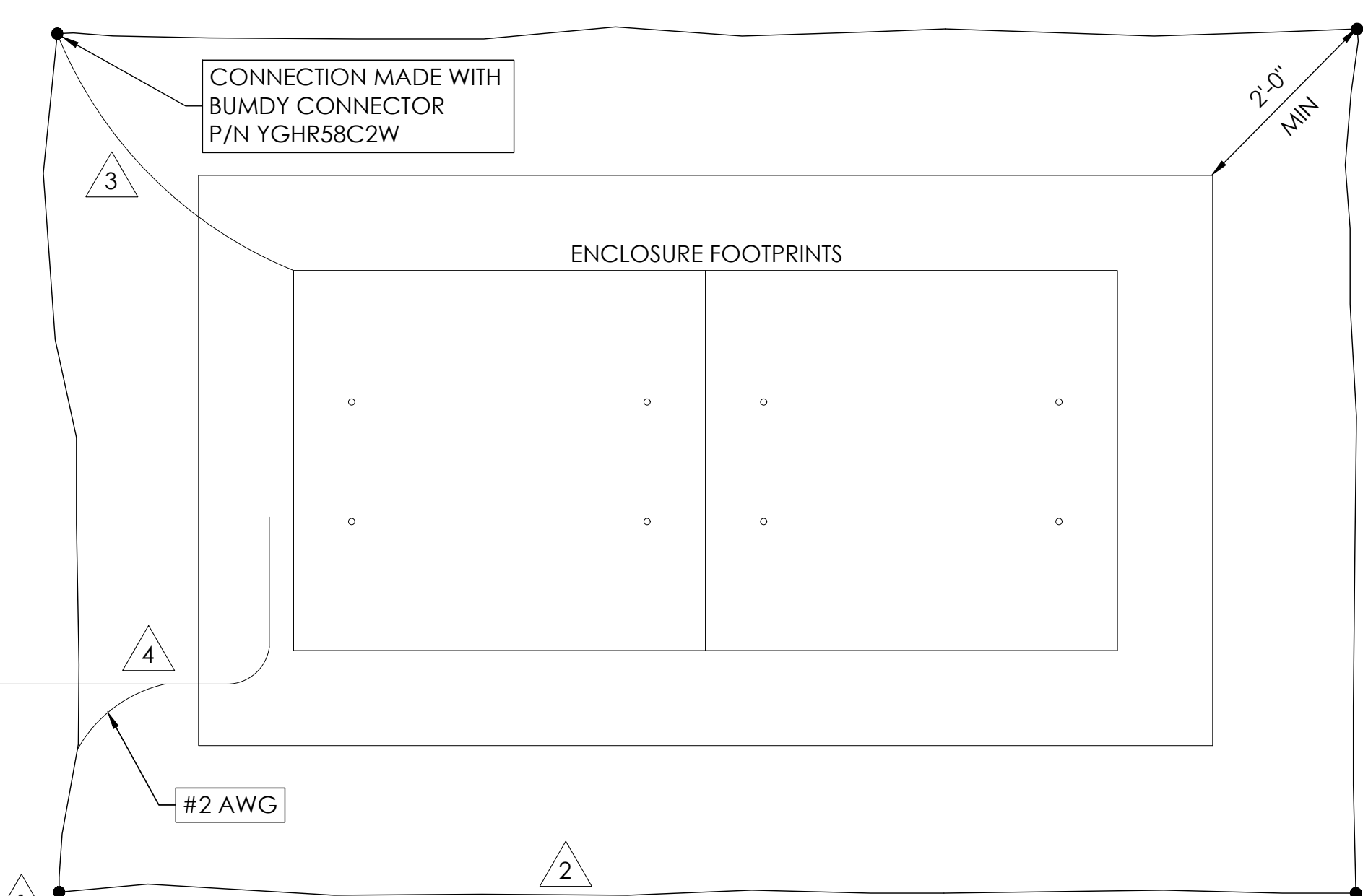
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)
#6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6" APART.

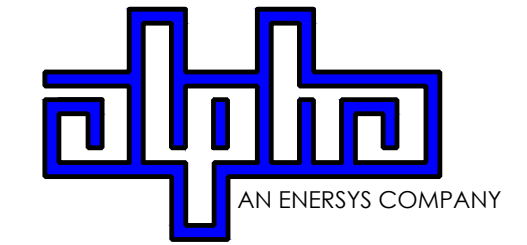
NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

TWO 8' GROUND RODS PLACED A MIN. OF 6' APART

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



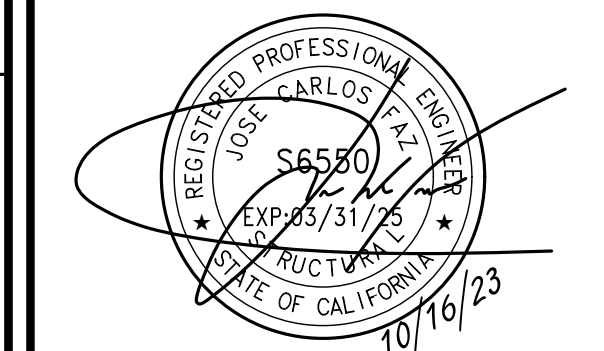
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058521

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	08/06/21	90% CD	JW
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
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3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	09/28/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

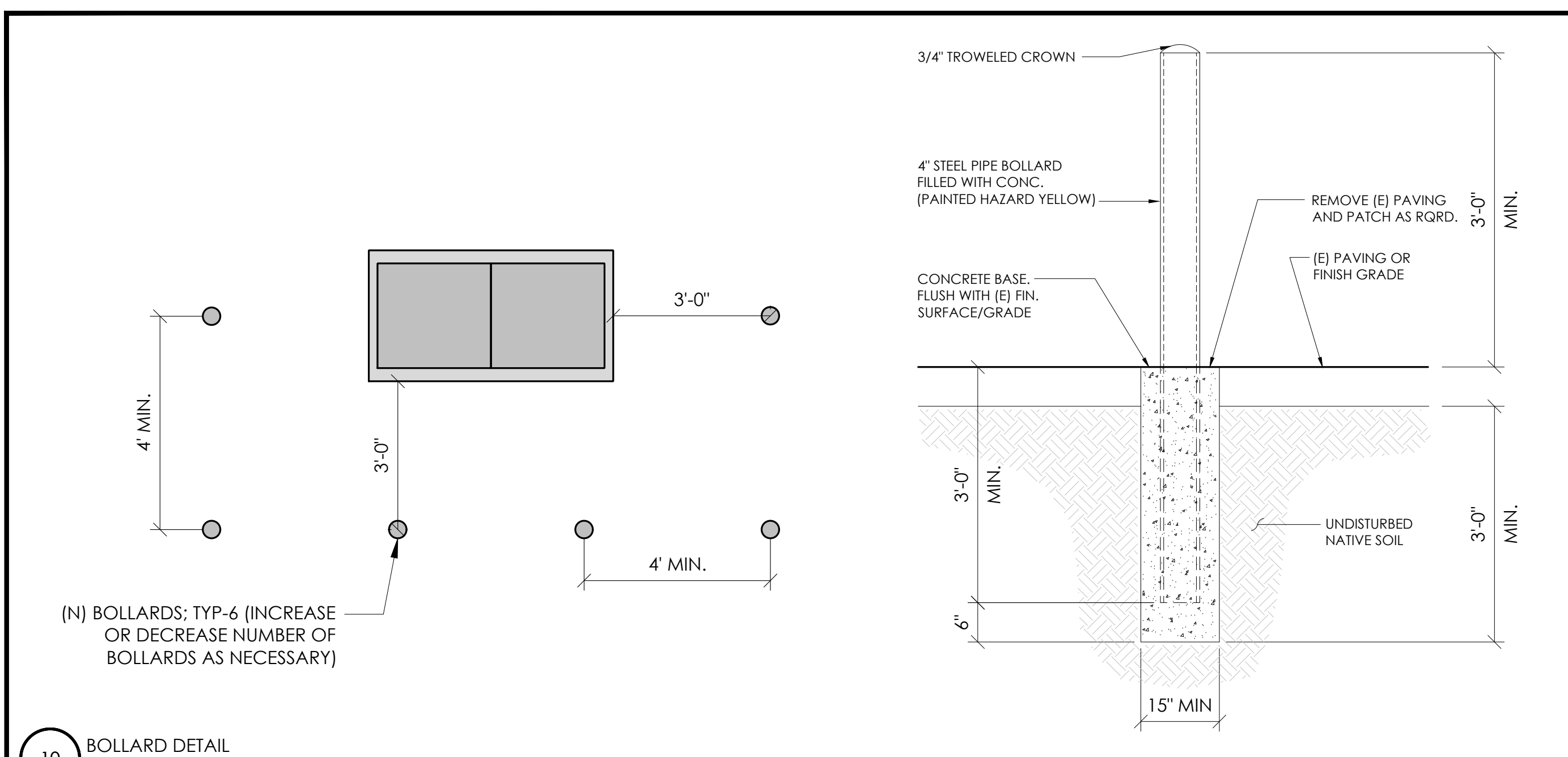
SITE ID:
ST137B_A

SITE ADDRESS:
3632 TAMARACK AVE,
SOUTH LAKE TAHOE, CA
96150

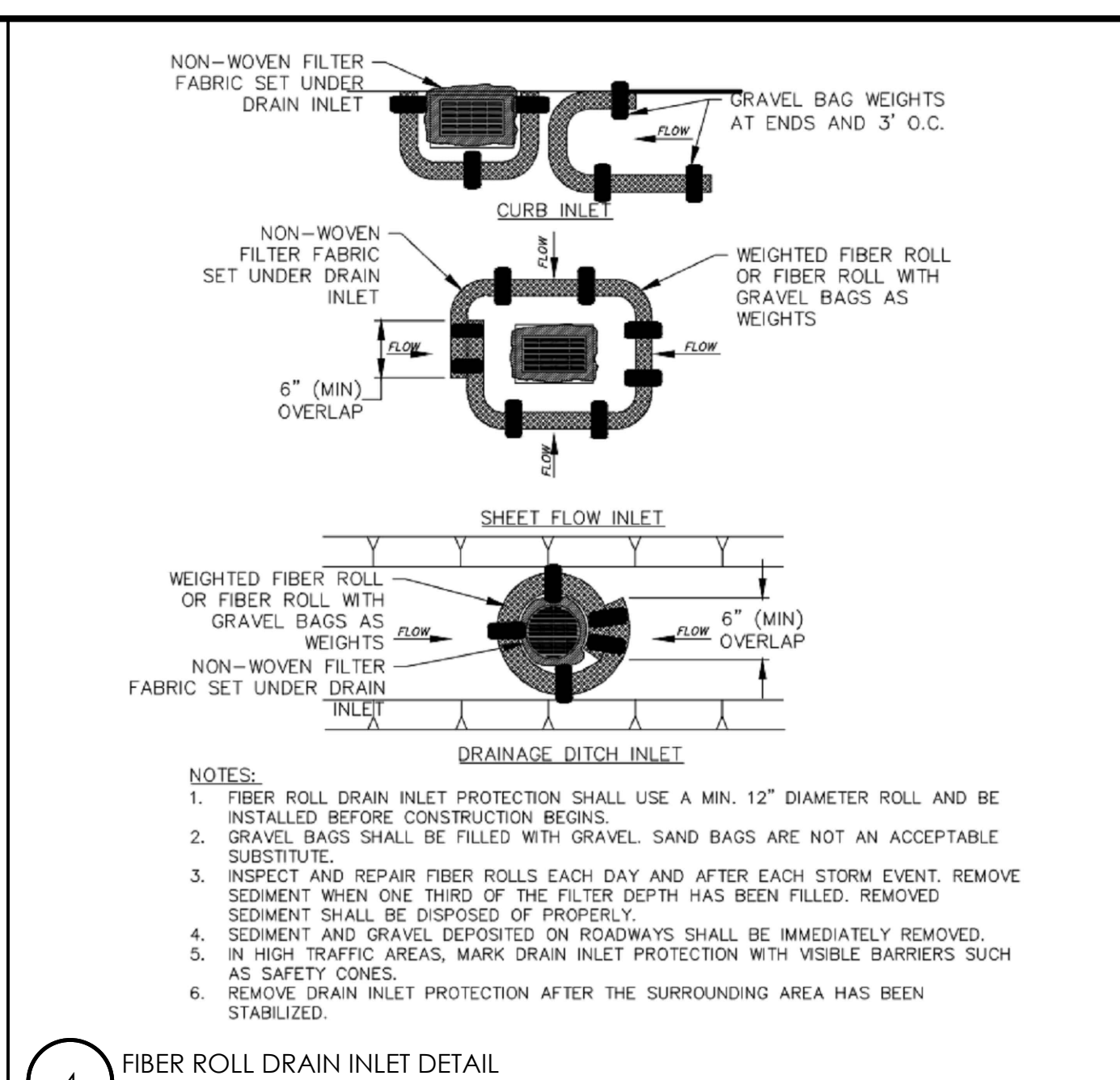
SHEET TITLE:

DETAILS

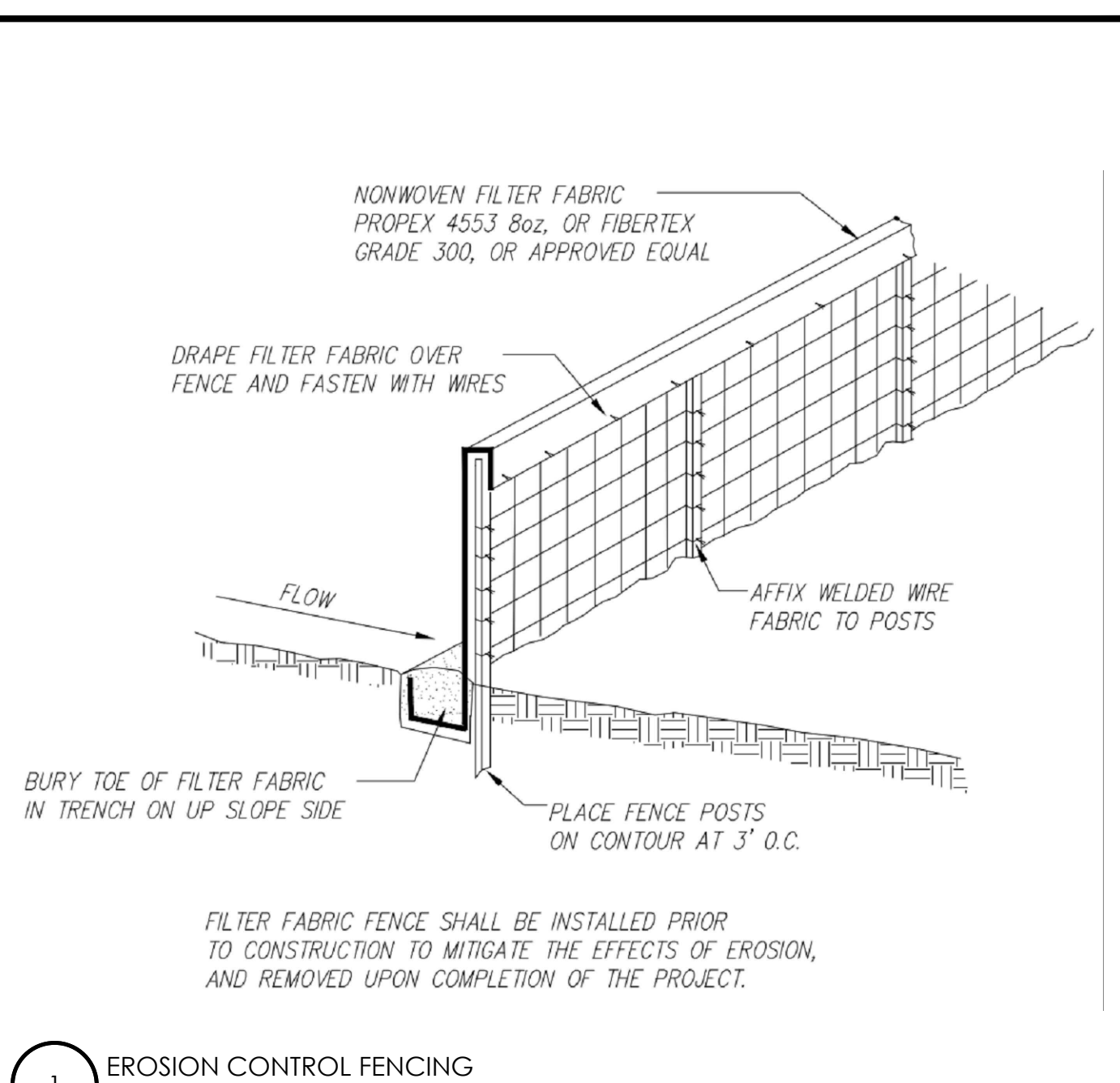
D1



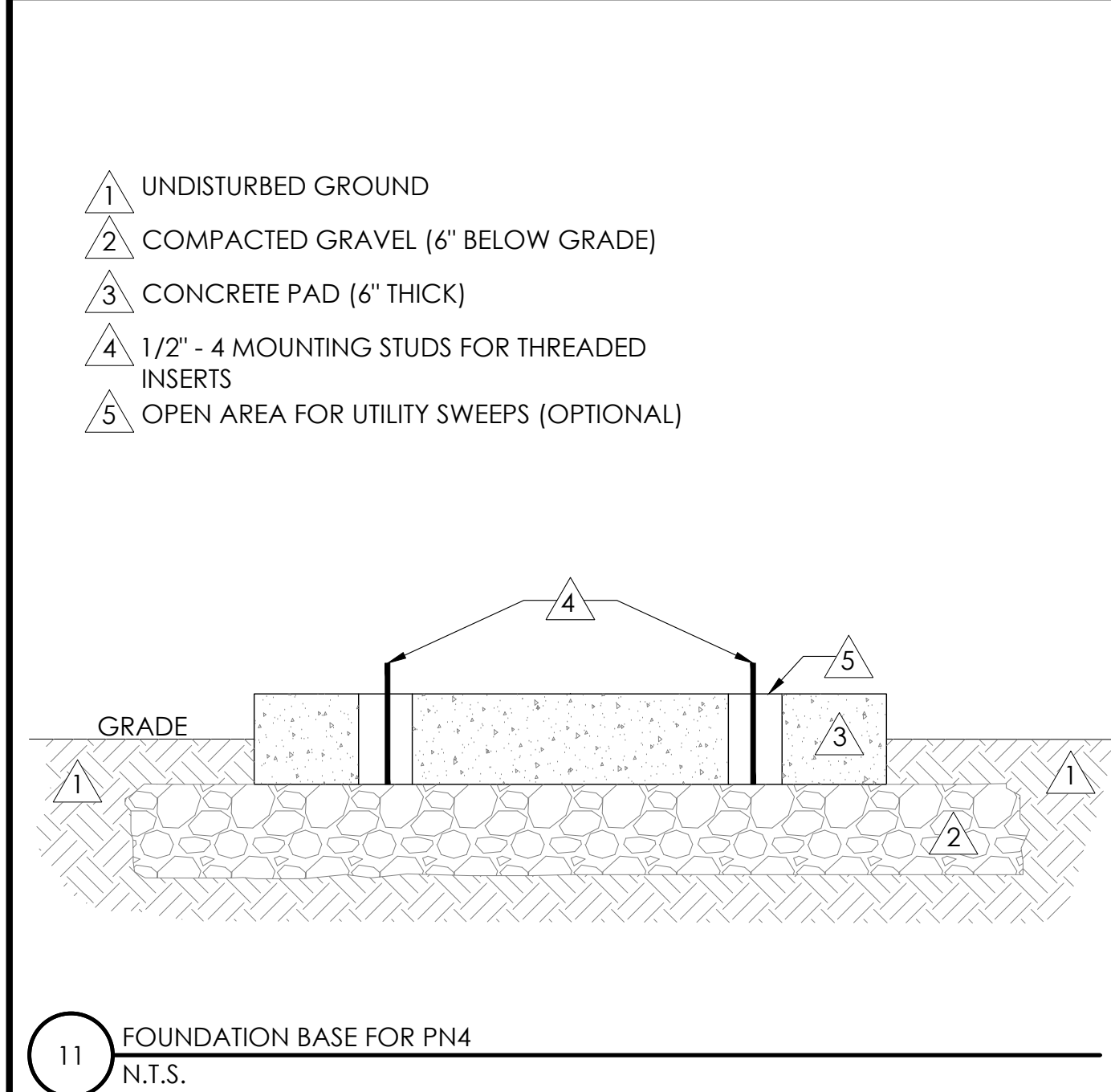
10 BOLLARD DETAIL
N.T.S.



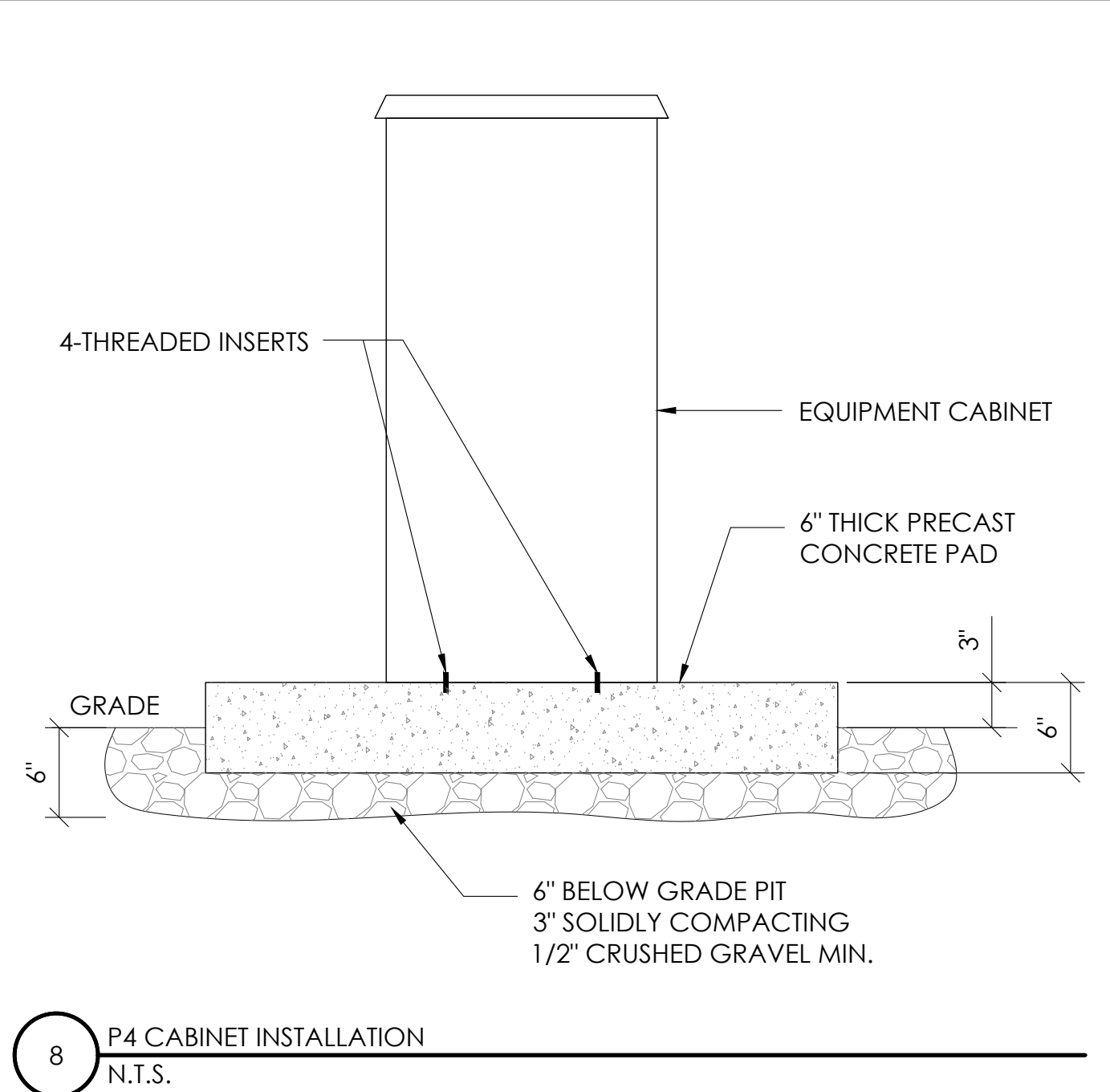
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



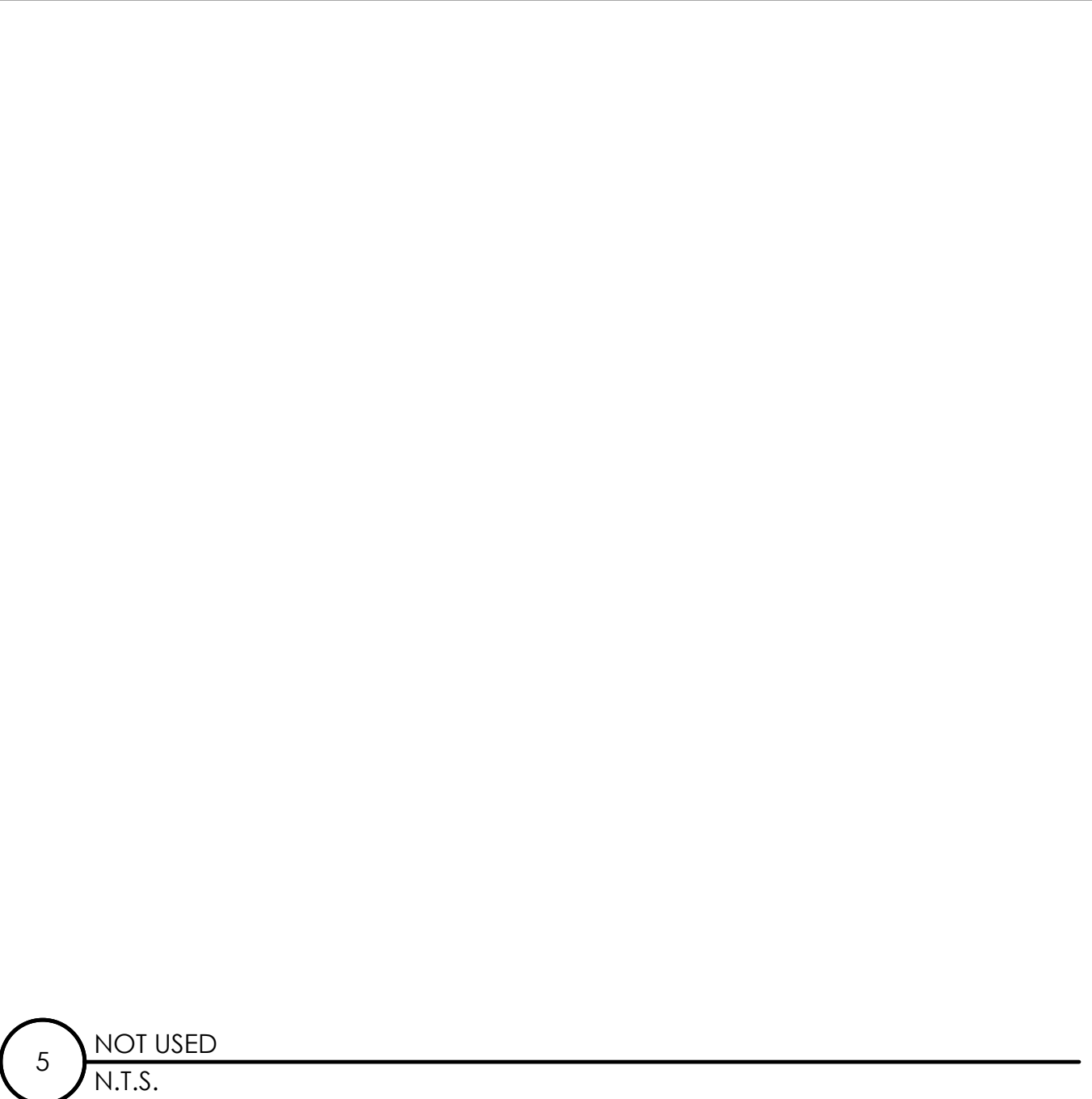
1 EROSION CONTROL FENCING
N.T.S.



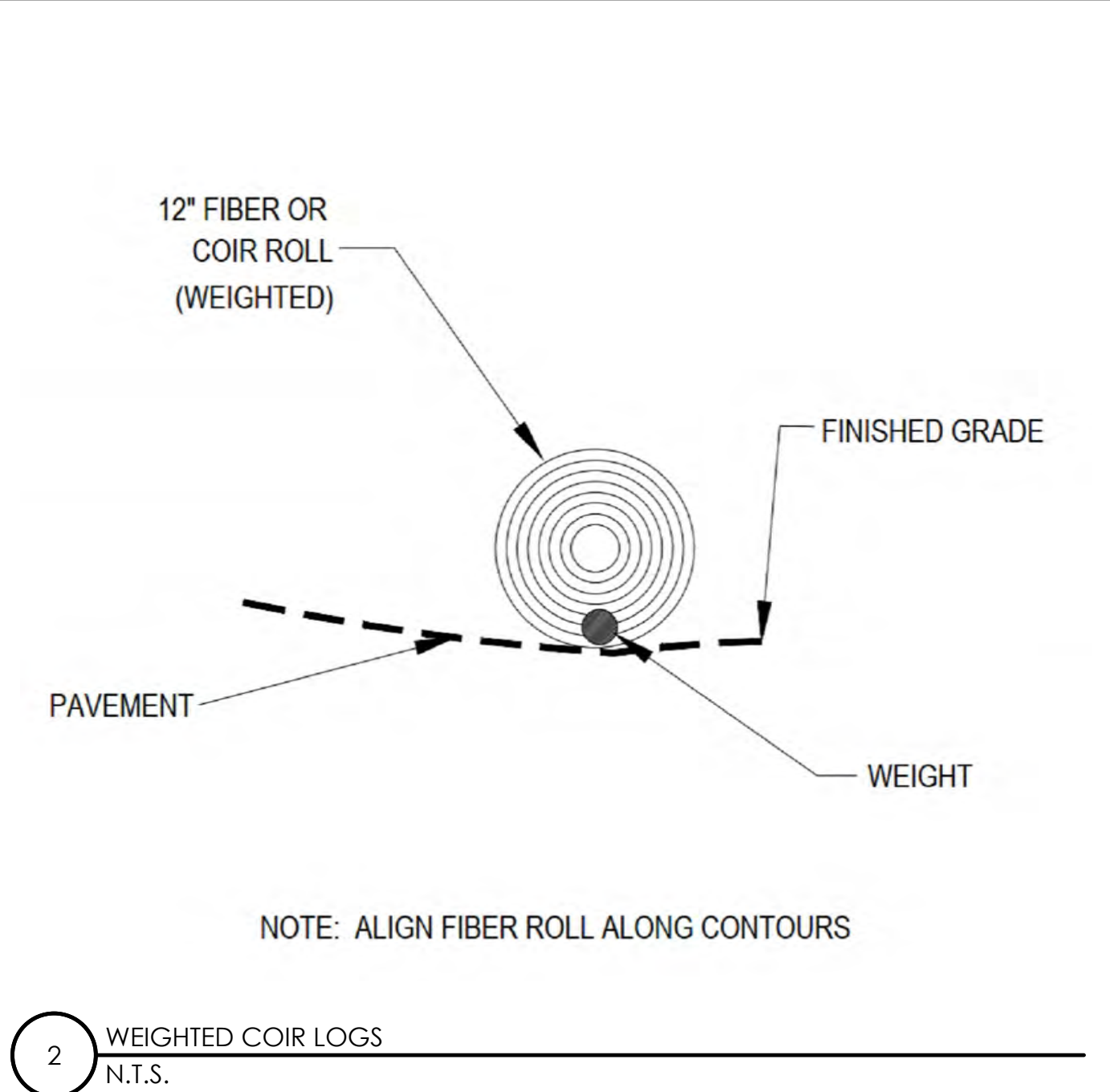
11 FOUNDATION BASE FOR PN4
N.T.S.



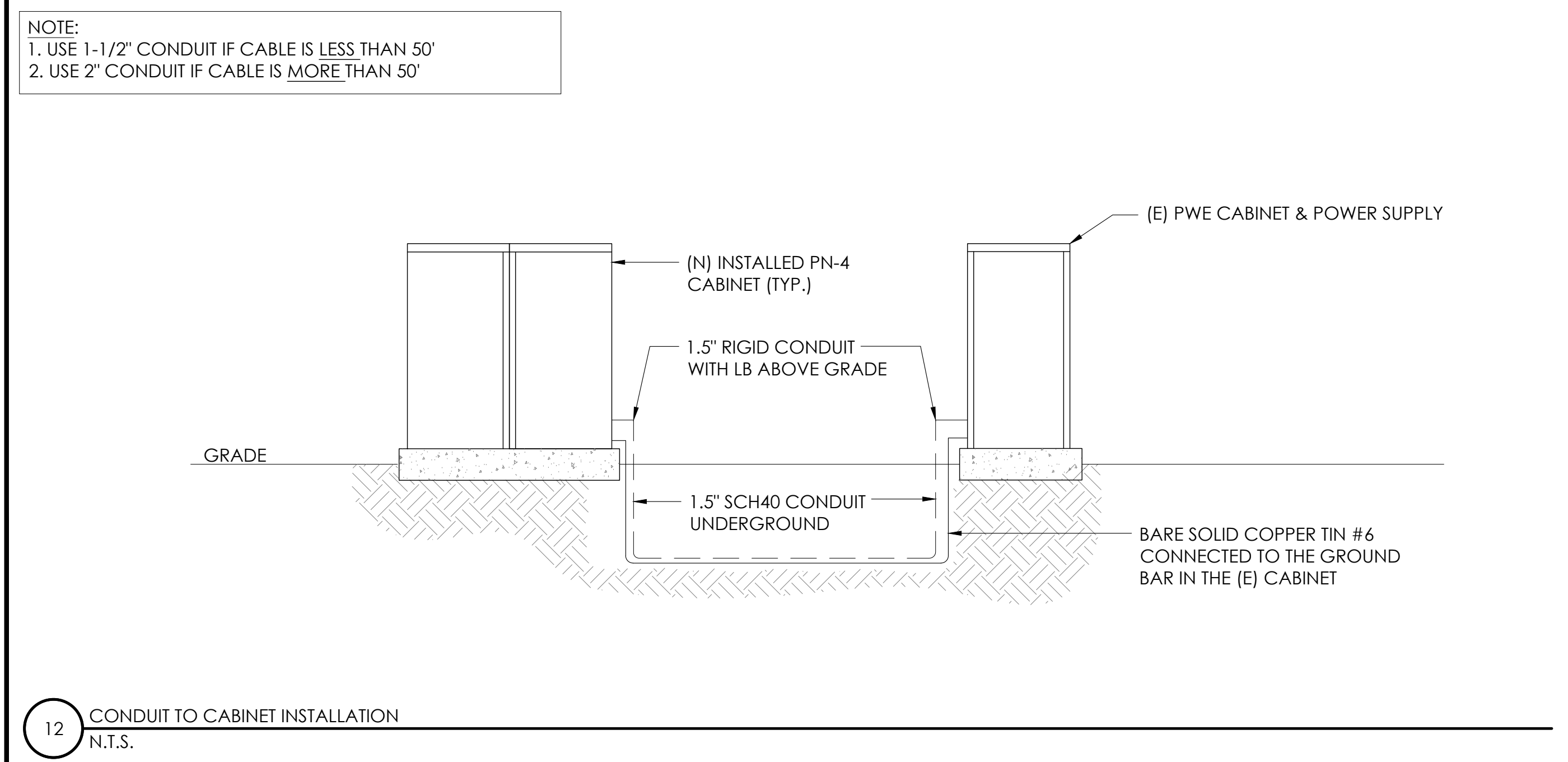
8 P4 CABINET INSTALLATION
N.T.S.



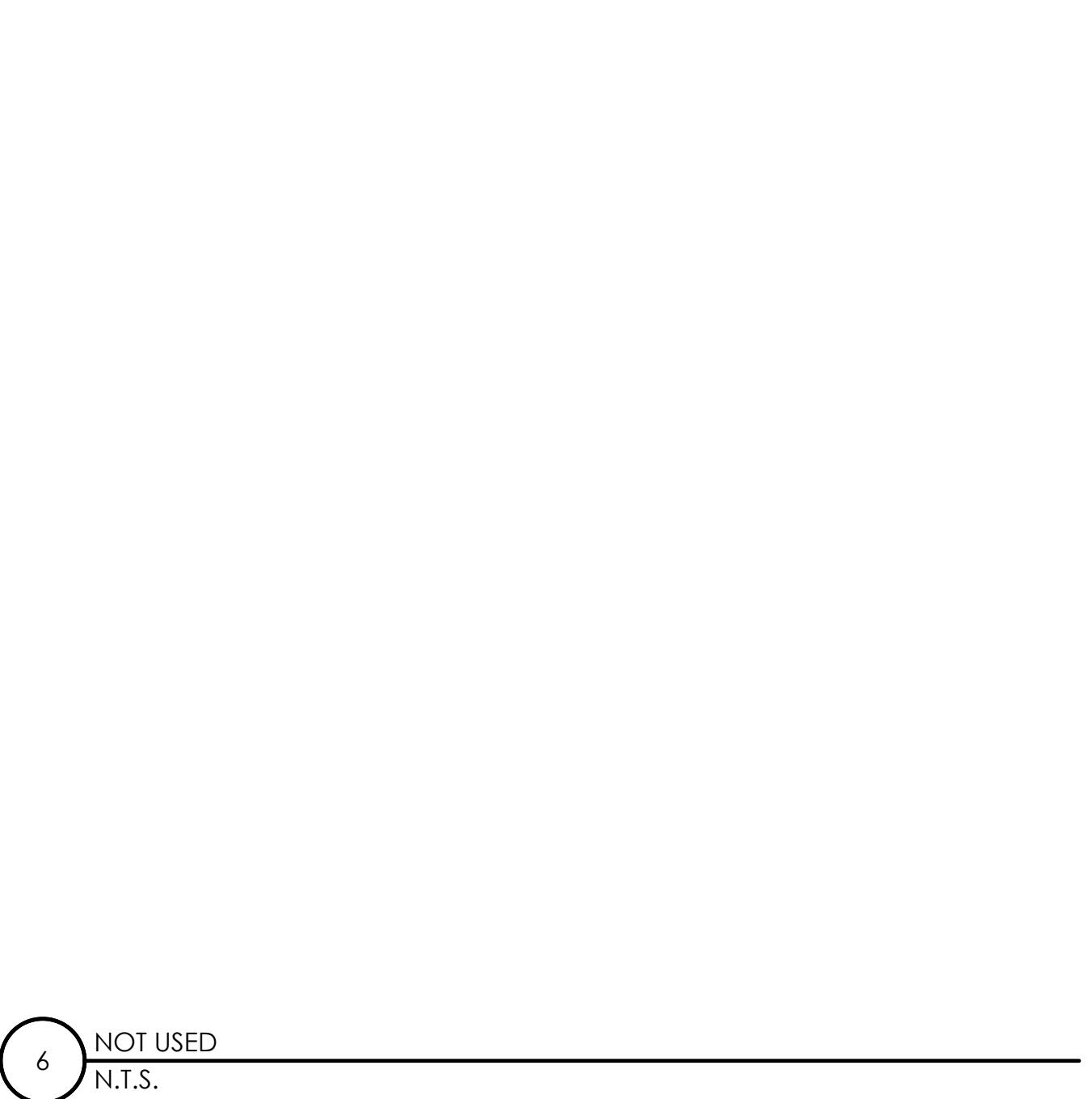
5 NOT USED
N.T.S.



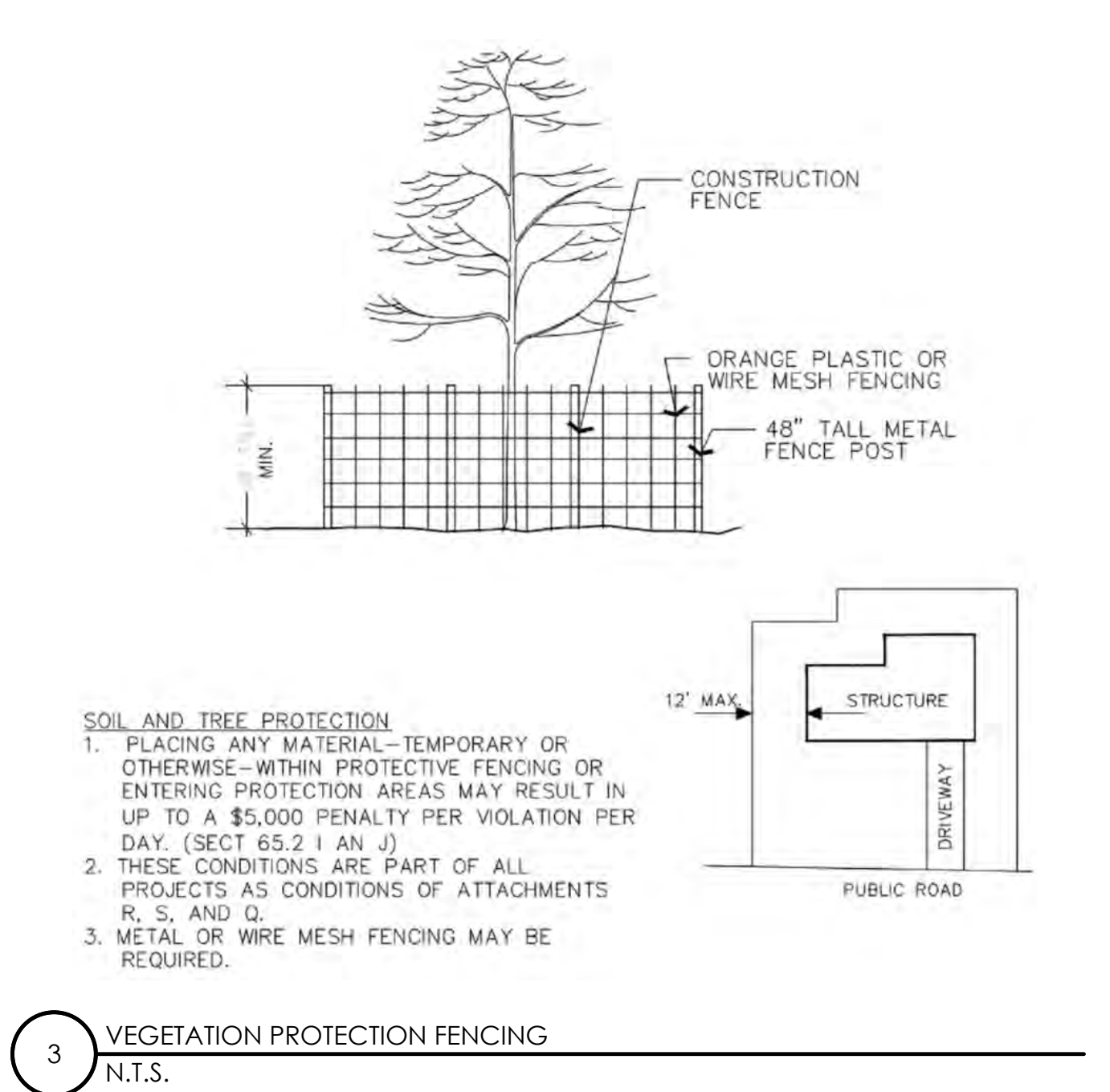
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.

Charter Spectrum
9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

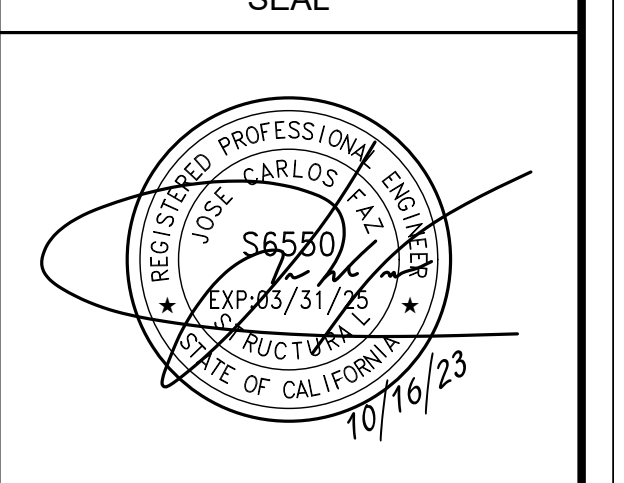
alpha
AN ENERSYS COMPANY
3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058521

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	08/06/21	90% CD	JW
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	09/28/23	SURVEY SHEET ADD	MZ

SEAL



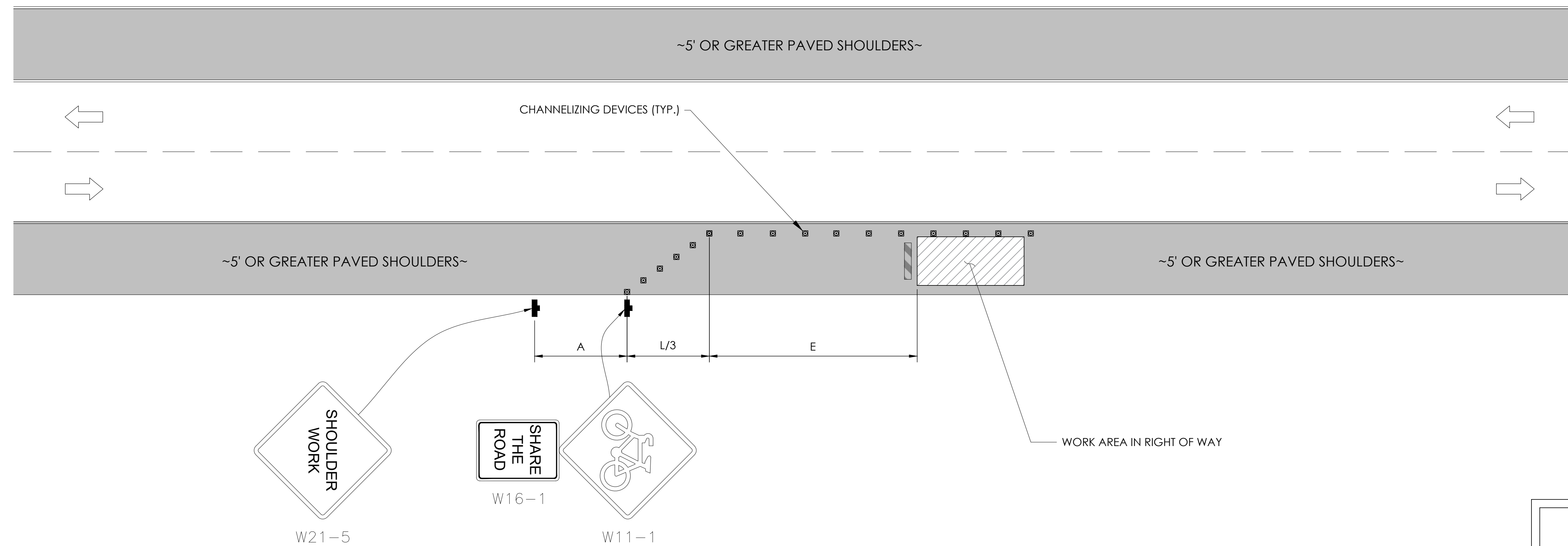
SITE INFORMATION
**SITE ID:
ST137B_A**
SITE ADDRESS:
3632 TAMARACK AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
DETAILS
D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



WORK HOURS
7:00AM - 3:30PM

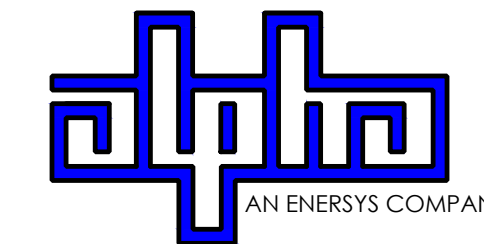
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



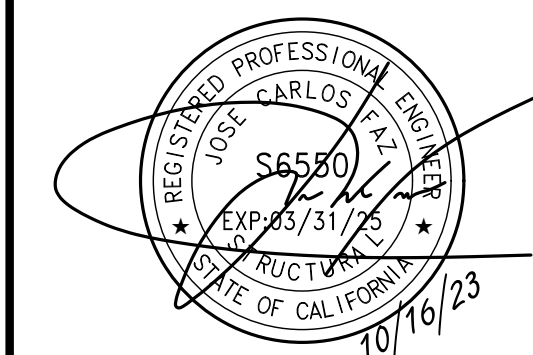
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058521

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	08/06/21	90% CD	JW
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	AW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	09/28/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

SITE ID:
ST137B_A

SITE ADDRESS:
3632 TAMARACK AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP

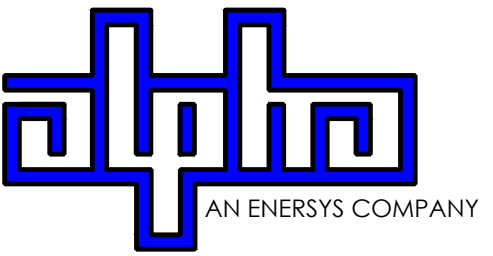


SITE ID: ST115C_A

**SITE ADDRESS:
3674 ROCKY POINT,
SOUTH LAKE TAHOE, CA 96150**



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058747

2A SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ENERSYS SBS 190 BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

SITE ADDRESS:	3674 ROCKY POINT SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9501995, -119.9447023
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	5
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	PROPOSED COVERAGE (CLASS 5) = 12 SF
CUT/FILL VOLUME:	2.0 C.Y.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	JW
0	08/25/21	100% CD	JW
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	05/19/23	100% CD REV PER PCC#2	RD
5	10/02/23	100% CD REVISION	JG

NOTE

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHEET D2.

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

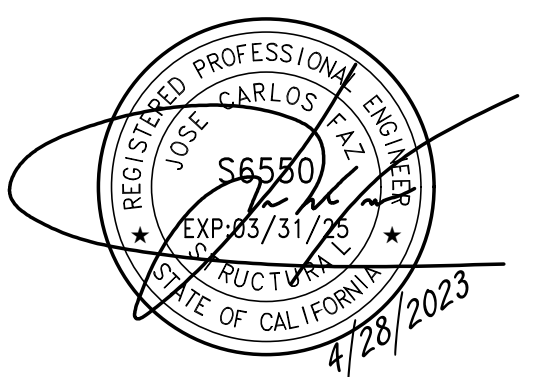
PROJECT TEAM

OWNER: CHARTER COMMUNICATIONS
9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311

ENGINEER/ ARCHITECT: J5 INFRASTRUCTURE PARTNERS
JOSE M. MIRANDA
ARCHITECT/ENGINEER CONTACT
PH: (949) 247-7767
EMAIL: jmiranda@j5ip.com
23 MAUCHLY, SUITE 110
IRVINE, CA 92618

APPLICANT: ALPHA TECHNOLOGIES, INC.
JOHN CLAY
SERVICE OPERATIONS MANAGER
ENERGY SYSTEMS AMERICAS
PH: (480) 220-1786
EMAIL: jclay@alpha.com

SEAL



CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
PART 2 - CALIFORNIA ADMINISTRATIVE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
PART 6 - CALIFORNIA ENERGY CODE
PART 7 - VACANT

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
2. ANSITIA-222 (REV H)
3. 2018 NFPA 101, LIFE SAFETY CODE
4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SITE INFORMATION

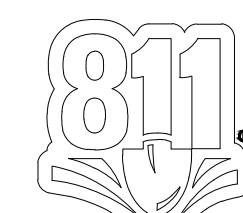
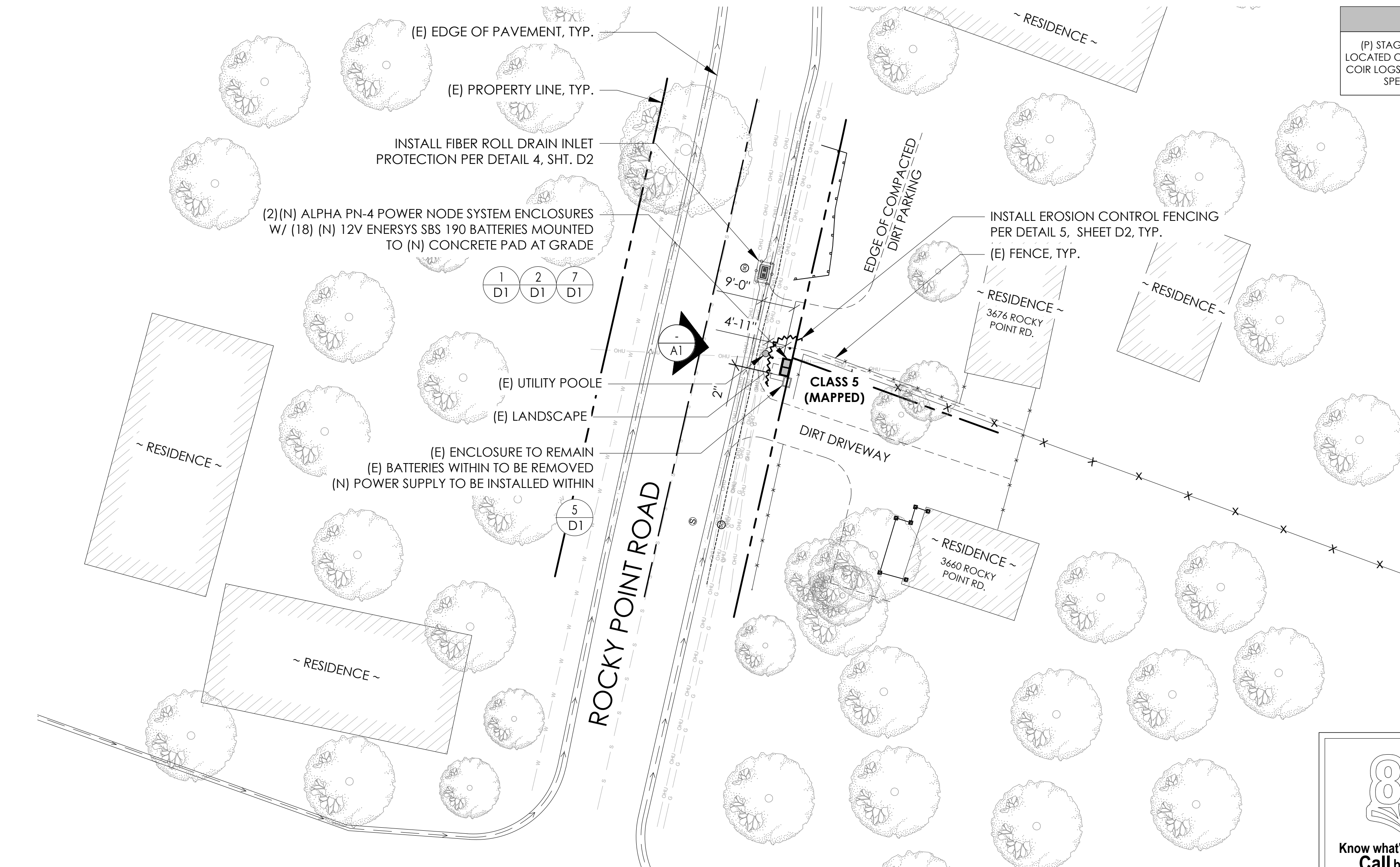
**SITE ID:
ST115C_A**

**SITE ADDRESS:
3674 ROCKY POINT,
SOUTH LAKE TAHOE, CA
96150**

SHEET TITLE:

TITLE SHEET

T1

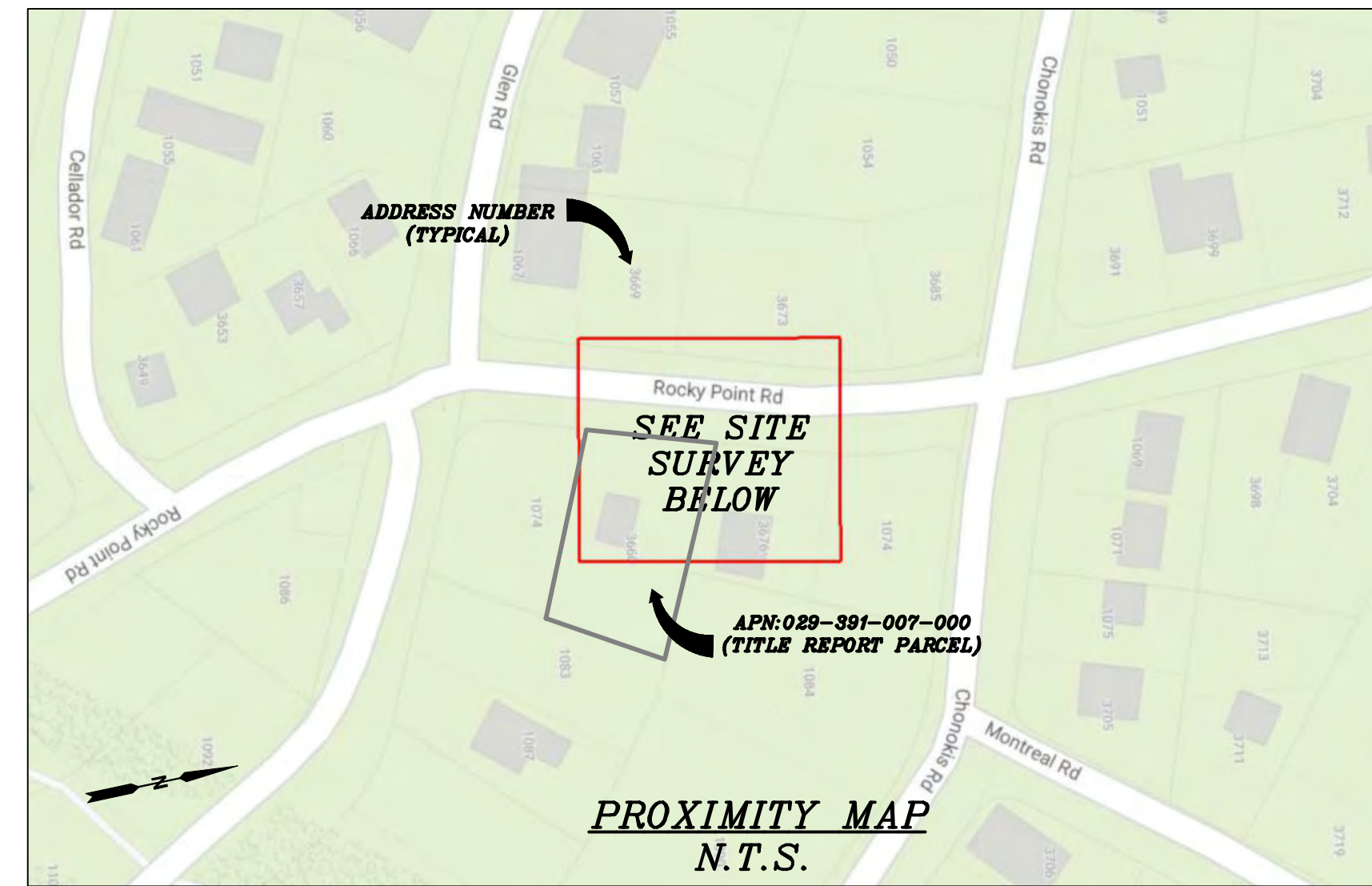


Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
TOLL FREE: 1-800-227-2600 OR
www.usanorth811.org
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"
20' 10' 0' 20'

SITE PLAN



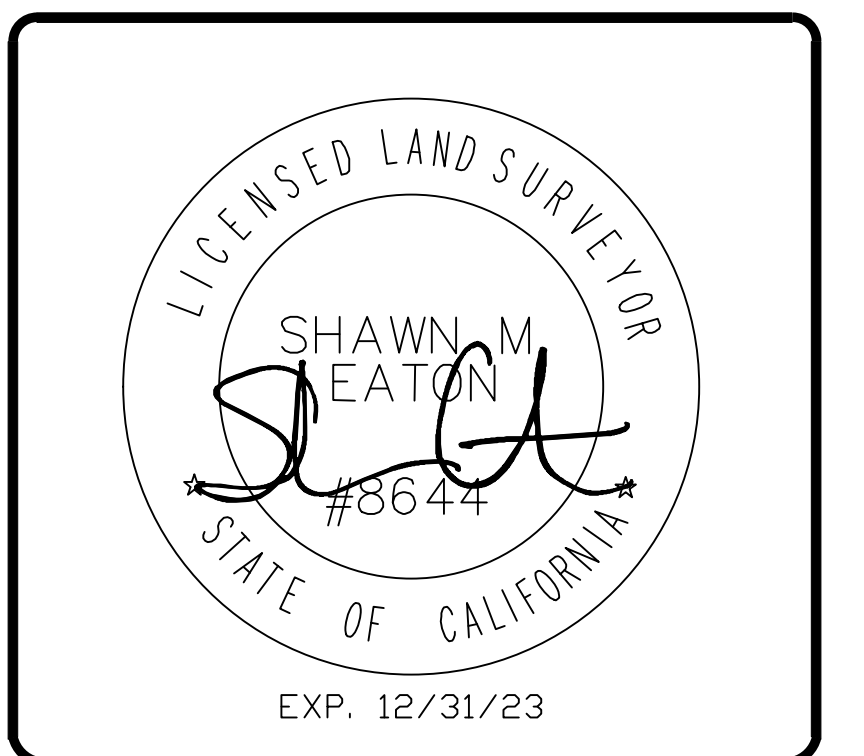
CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

 Eaton Land
Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/25/23	SUBMITTAL



PROJECT INFORMATION:
ST115C_A
3674 ROCKY POINT RD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/24/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

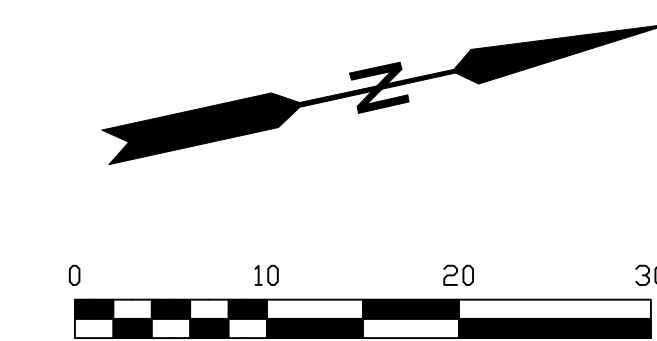
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "AE". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 4/3/2012.

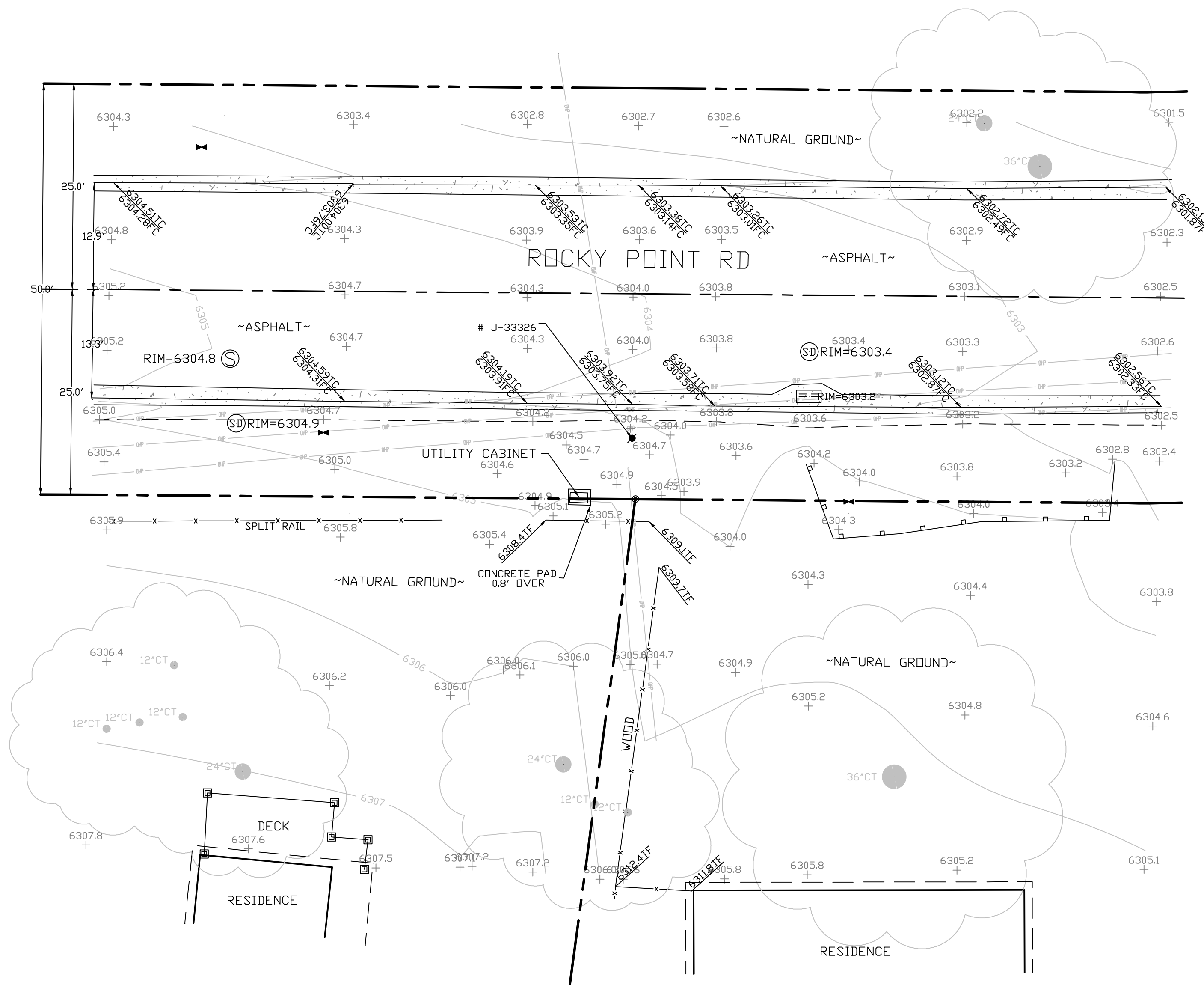
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 12 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 029-391-007-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032316 DATED 08/31/2023;

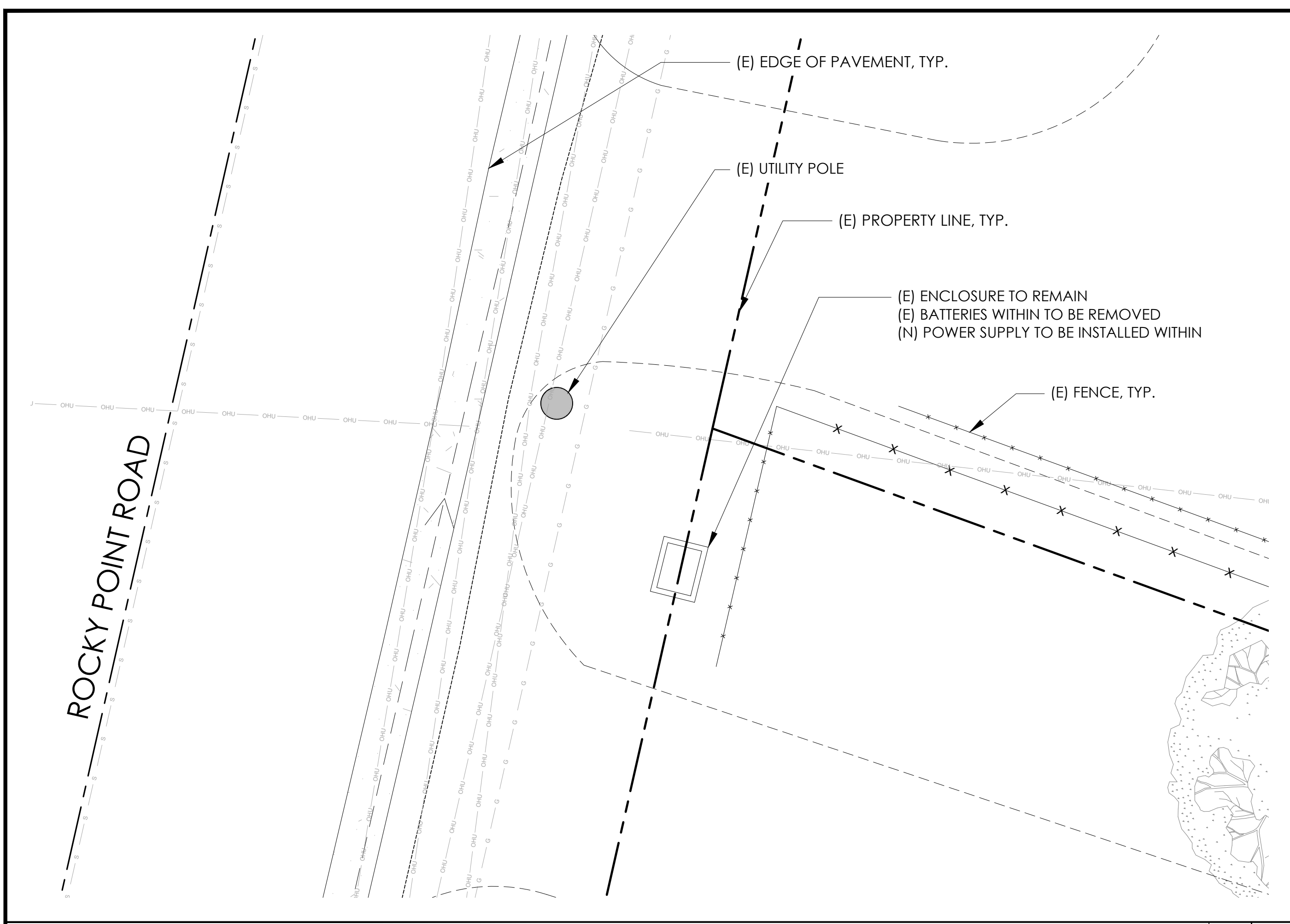


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - MANHOLE DRAIN
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - FOUND MONUMENT

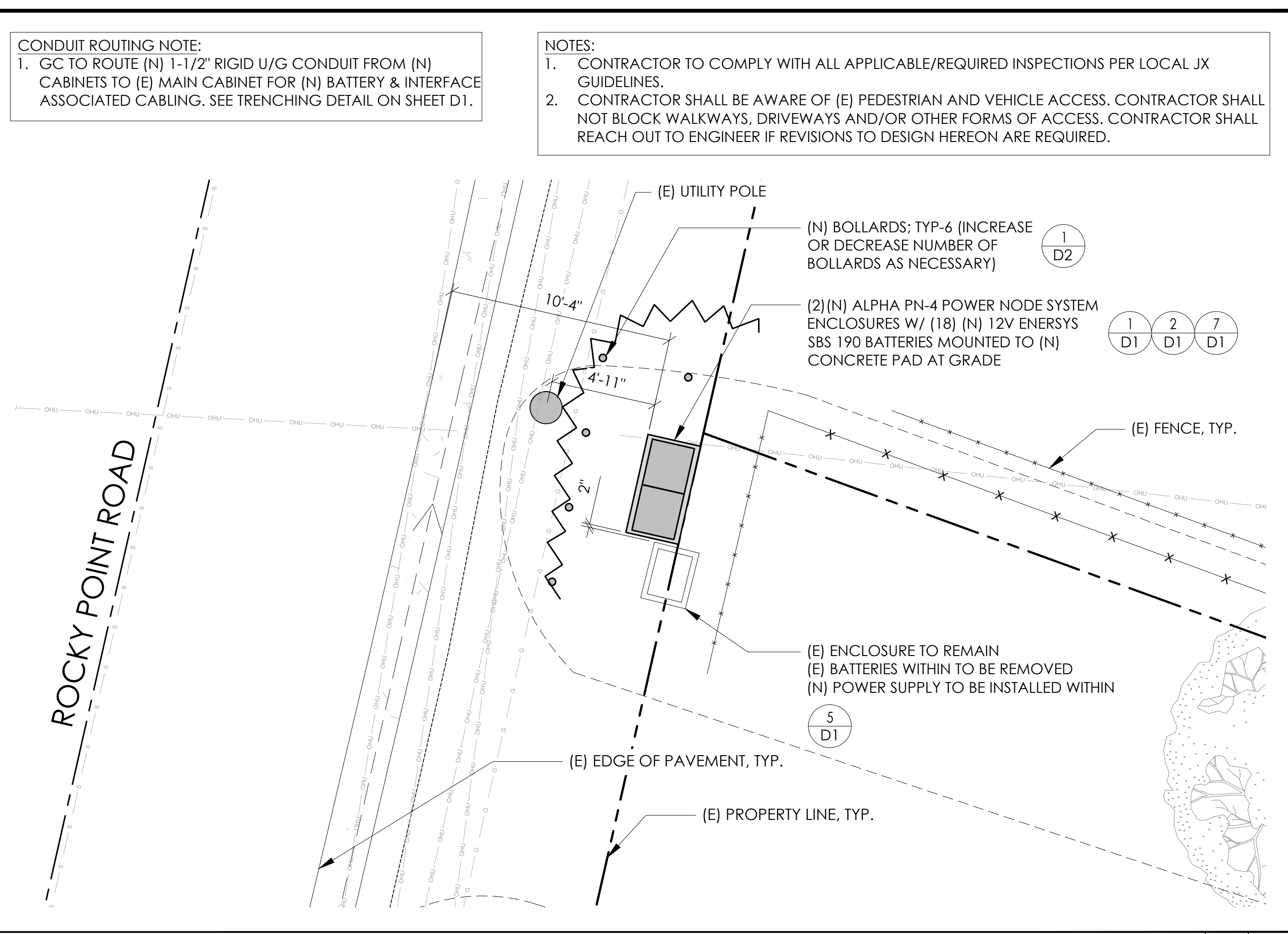


SITE SURVEY
SCALE 1"=10'

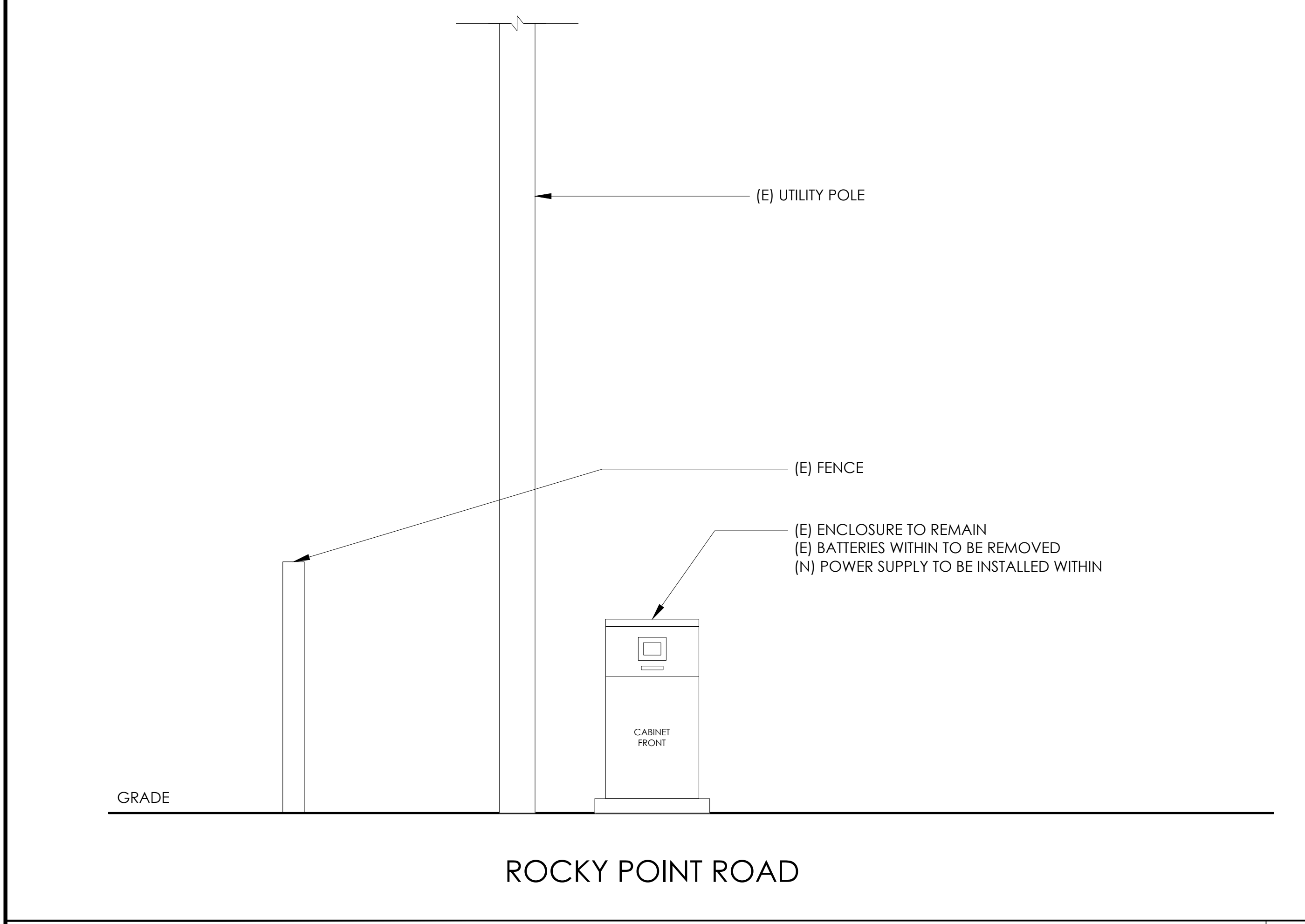




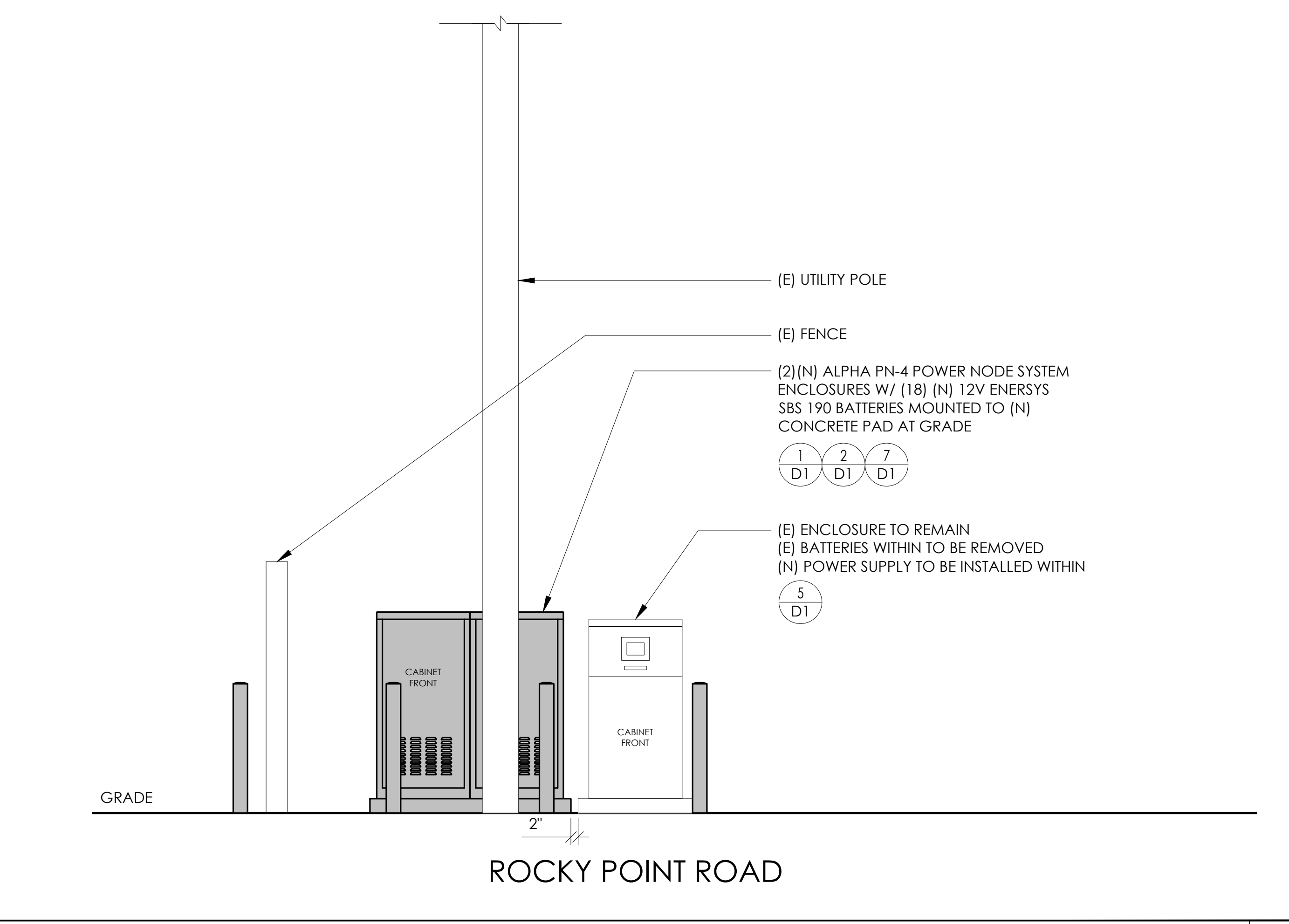
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



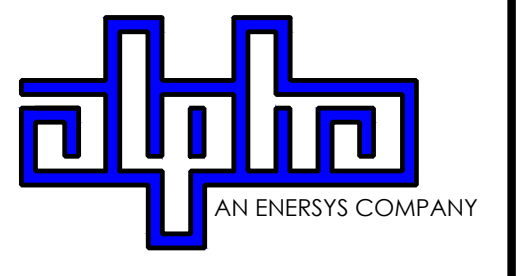
EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 4



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' 3



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

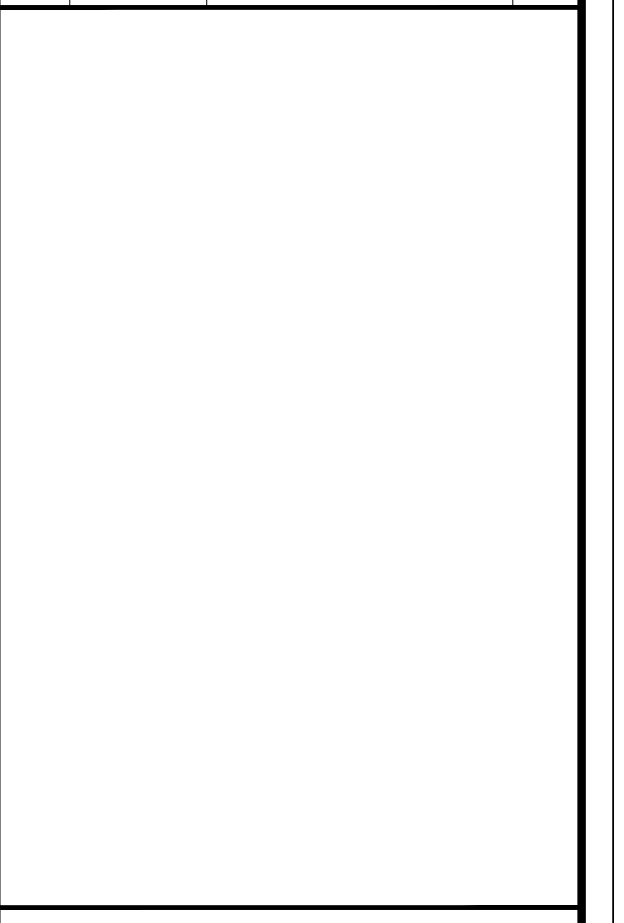


23 MAUCHLY, STE 110
IRVINE, CA 92618

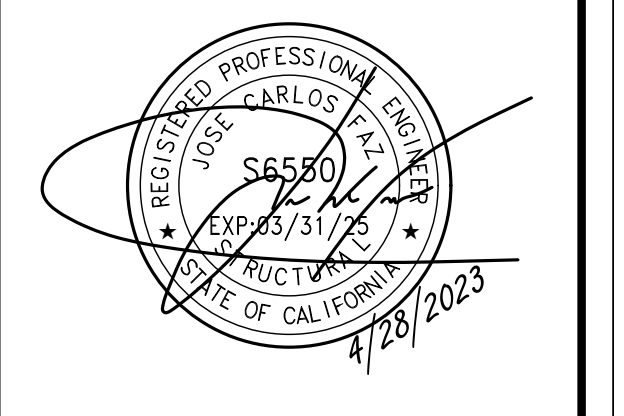
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058747

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/25/21	100% CD	JW
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	05/19/23	100% CD REV PER PCC#2	RD
5	10/02/23	100% CD REVISION	JG



SEAL



SITE INFORMATION

SITE ID:
ST115C_A

SITE ADDRESS:
3674 ROCKY POINT,
SOUTH LAKE TAHOE, CA
96150

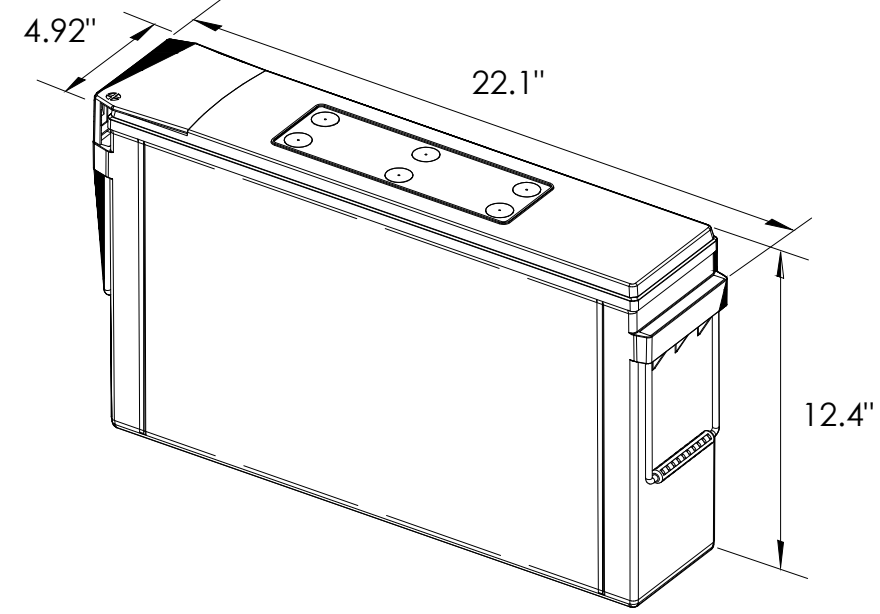
SHEET TITLE:

ELEVATIONS

A1



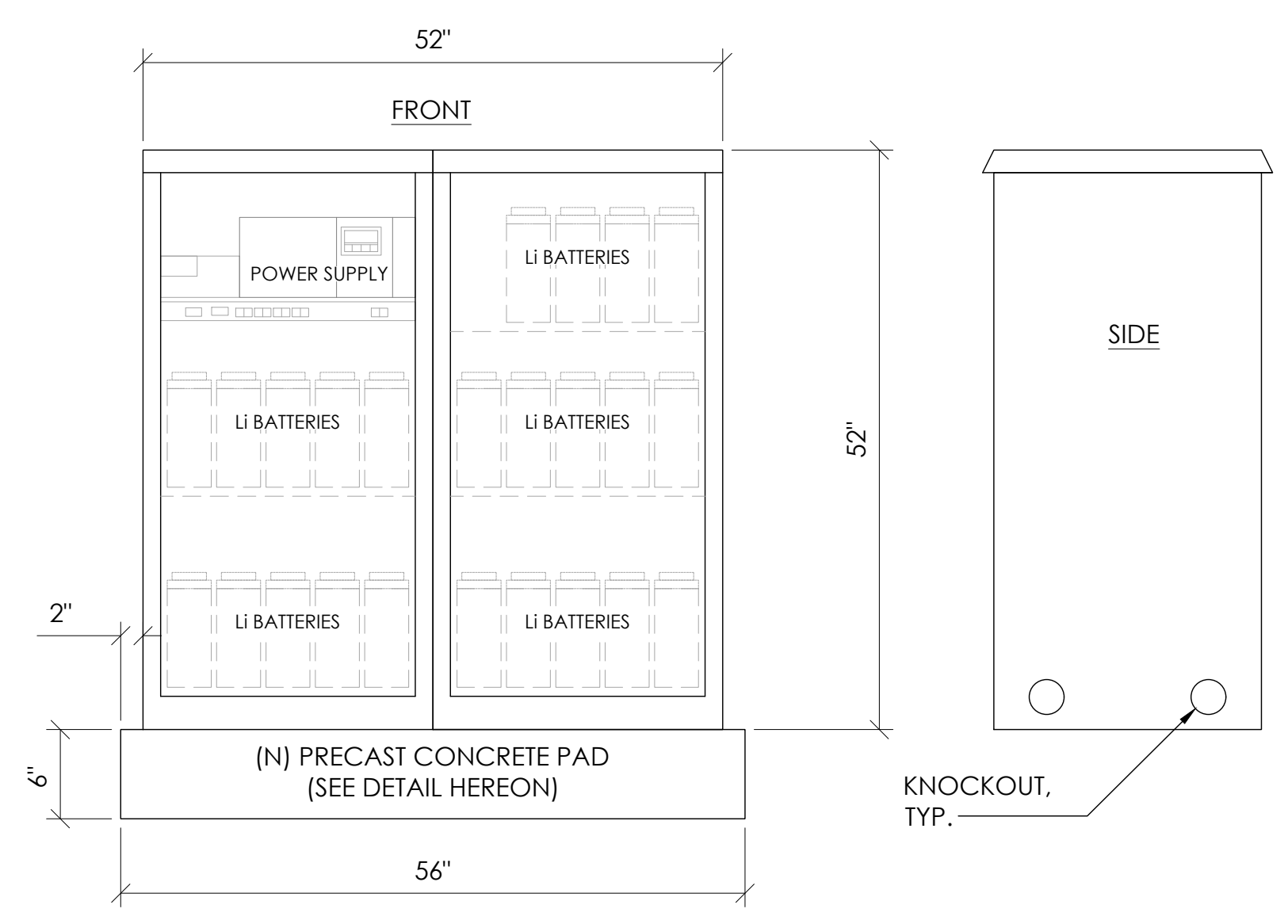
ENERSYS SBS 190F BATTERY UNIT



EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ENERSYS
MODEL:	SBS 190 FT
HEIGHT:	12.4 IN
WIDTH:	4.92 IN
LENGTH:	22.1 IN
WEIGHT:	132 LBS

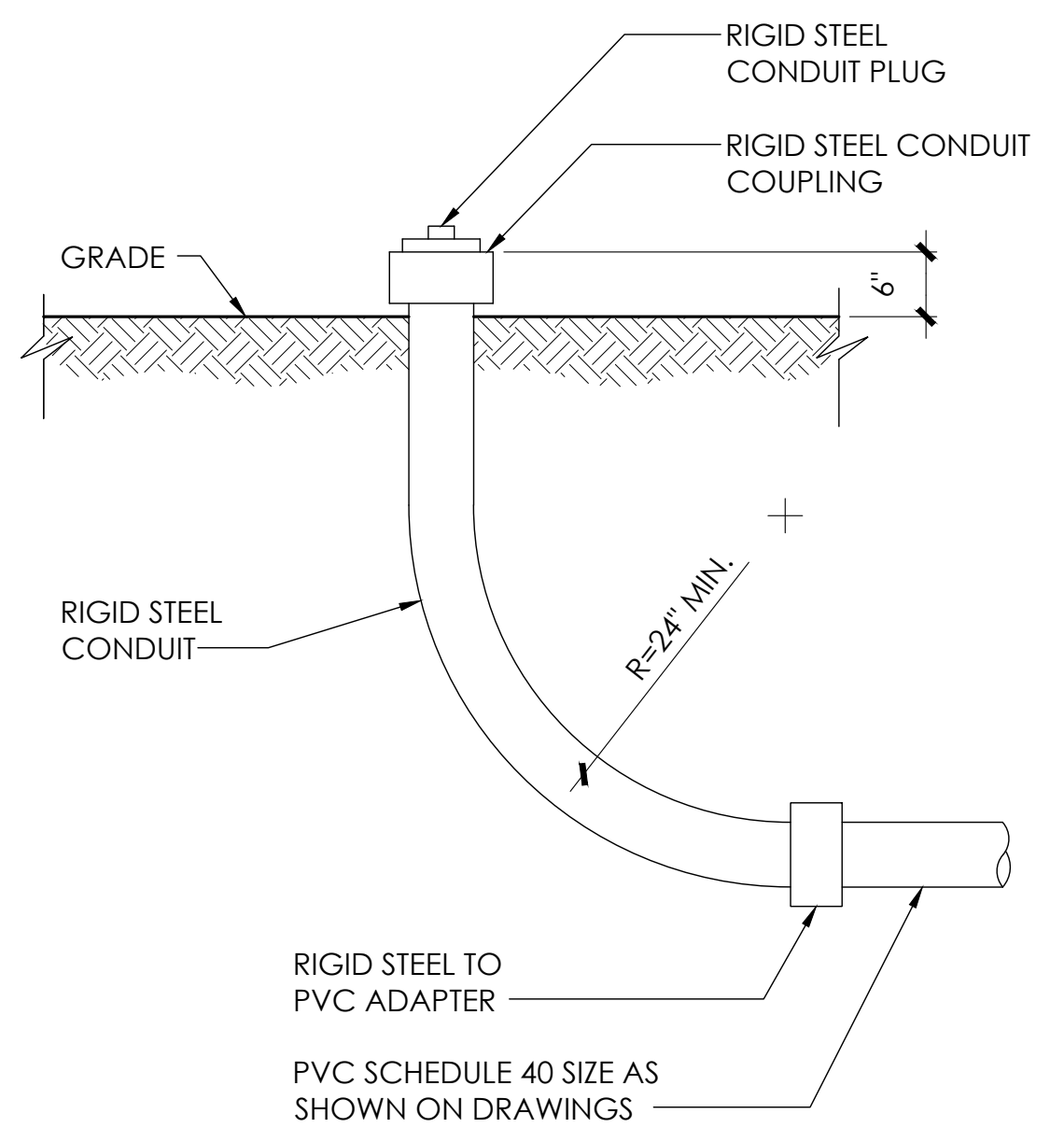
BATTERY INFORMATION (VRLA TYPE BATTERIES)										
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE SBS 190F	18	12	190	2.28	41.04			2.34	42.12
TOTAL		18				41.04	70	CFC 2019 SECTION 1206 DOES NOT APPLY		42.12

7 BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS	
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	1,548 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION: CABINET #1: (10) BATTERIES CABINET #2: (14) BATTERIES	

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.

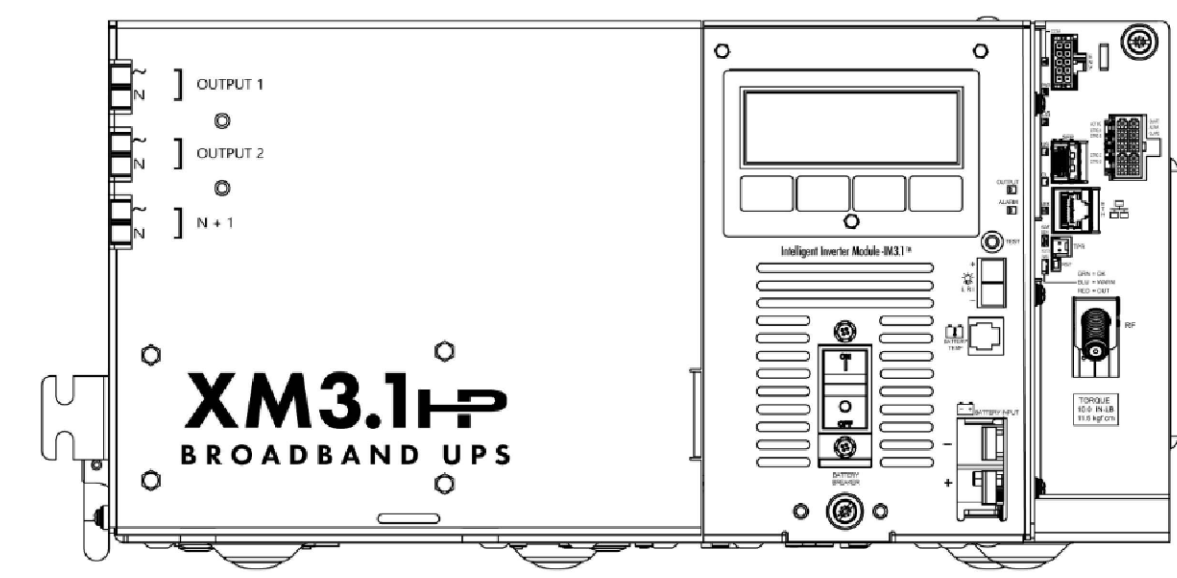


8 STUB-UP DETAIL
N.T.S.

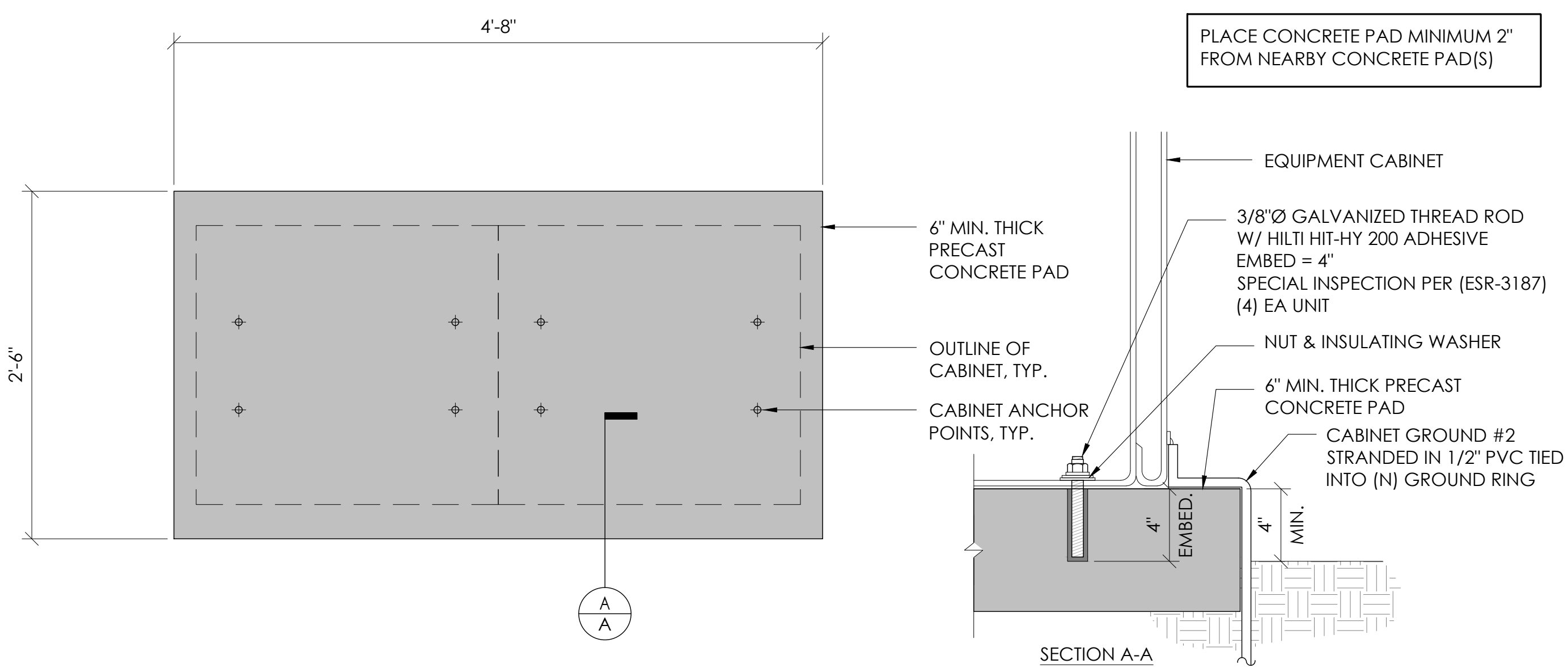
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

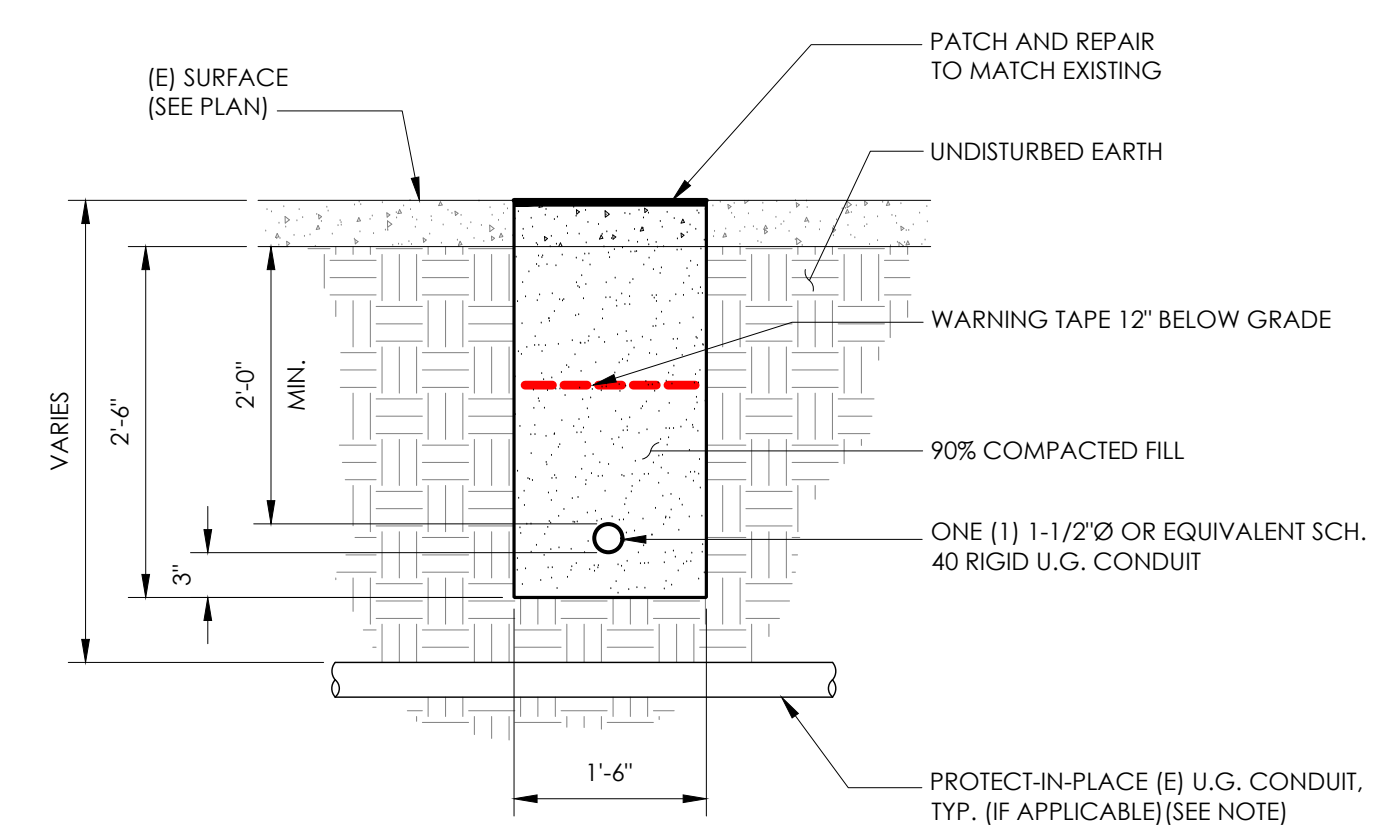


5 POWER SUPPLY DETAIL
N.T.S.

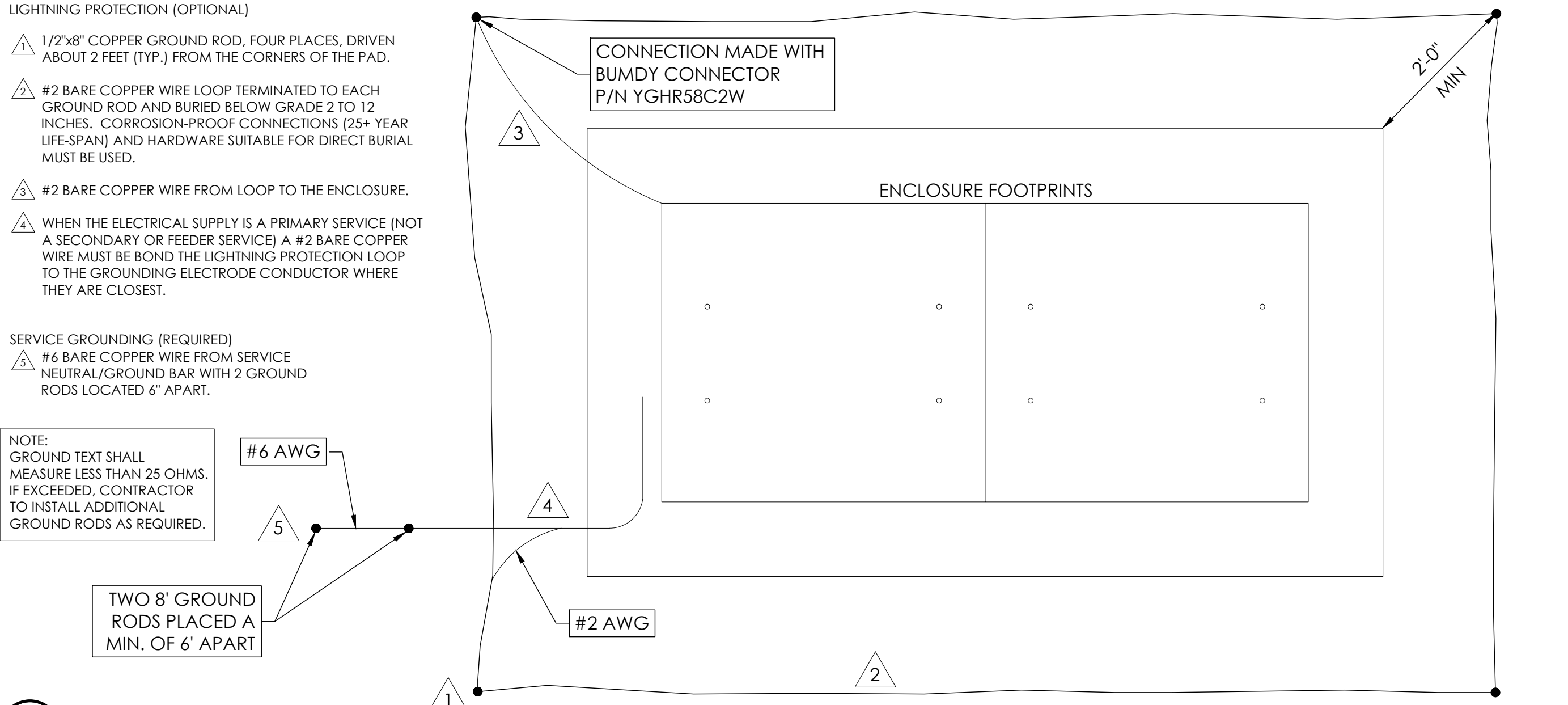


2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



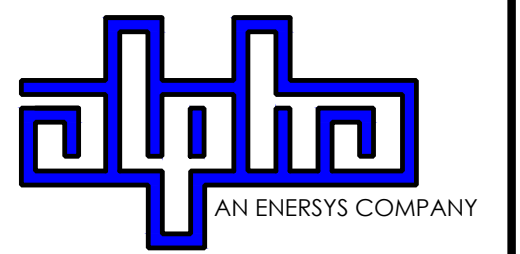
6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



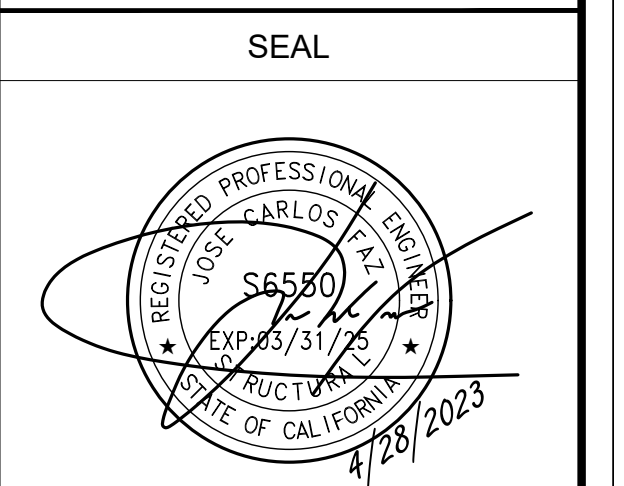
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058747

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/25/21	100% CD	JW
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	05/19/23	100% CD REV PER PCC#2	RD
5	10/02/23	100% CD REVISION	JG



SITE INFORMATION

SITE ID:
ST115C_A

SITE ADDRESS:
3674 ROCKY POINT,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

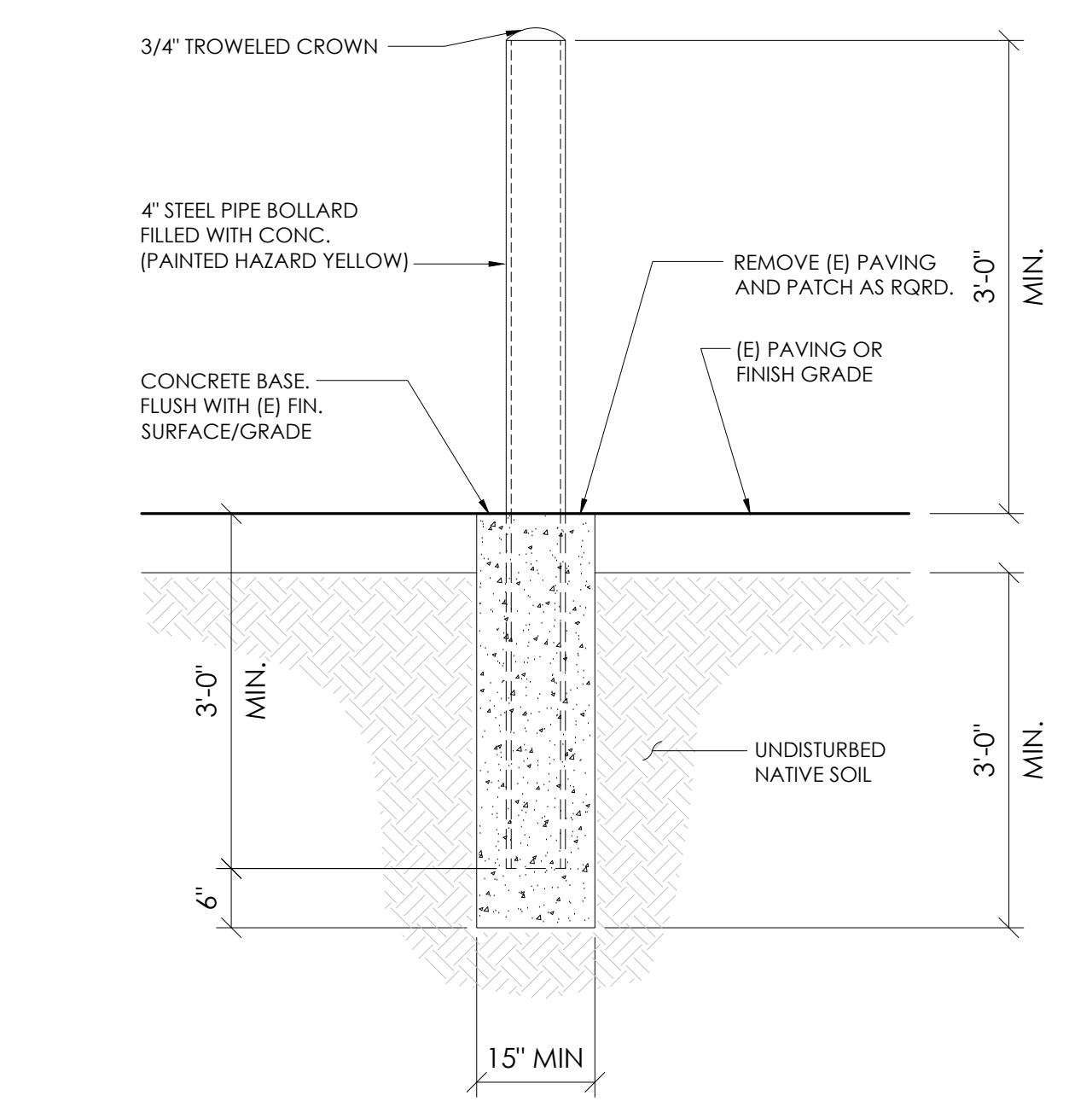
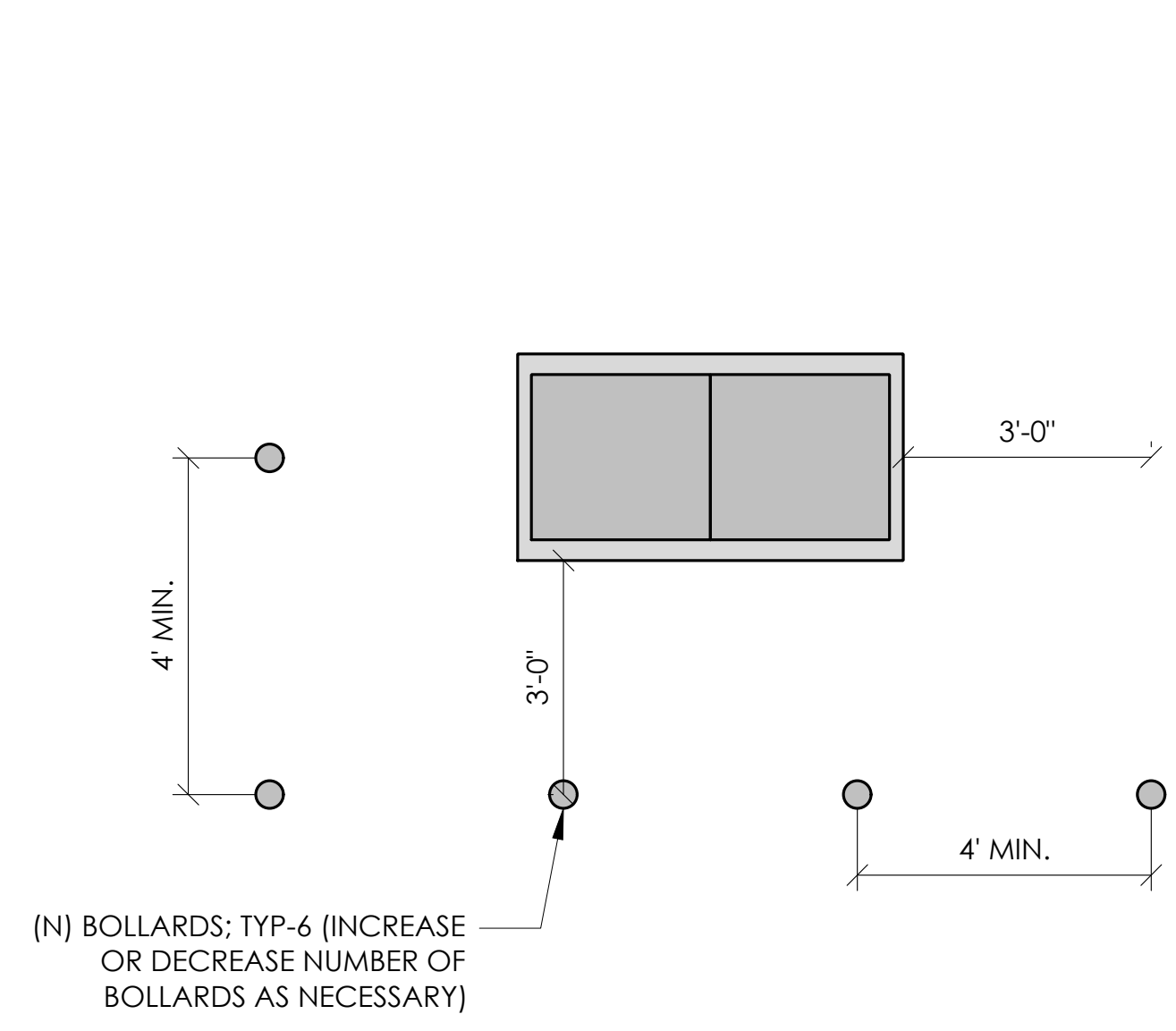
DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

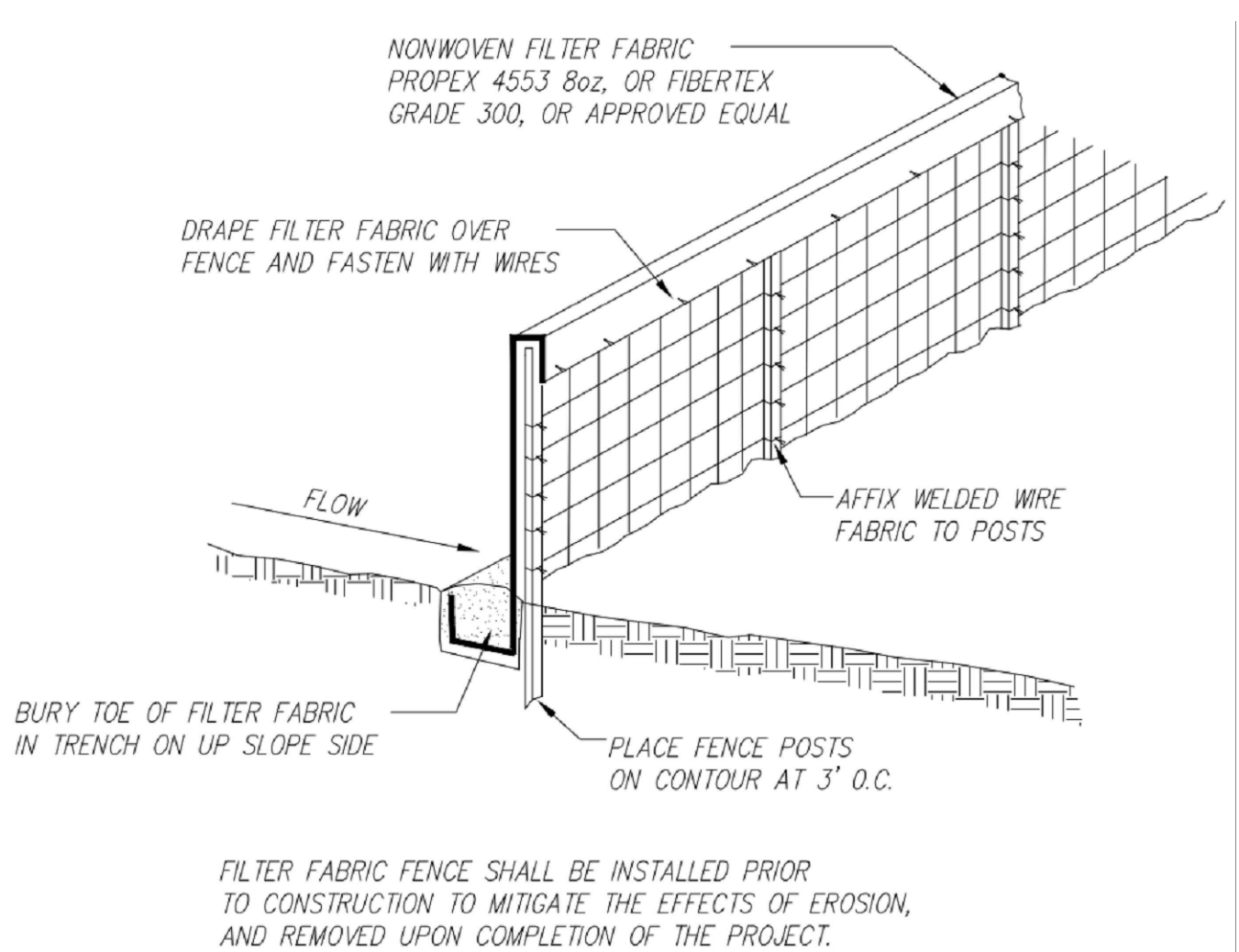
1 BOLLARD DETAIL
N.T.S.



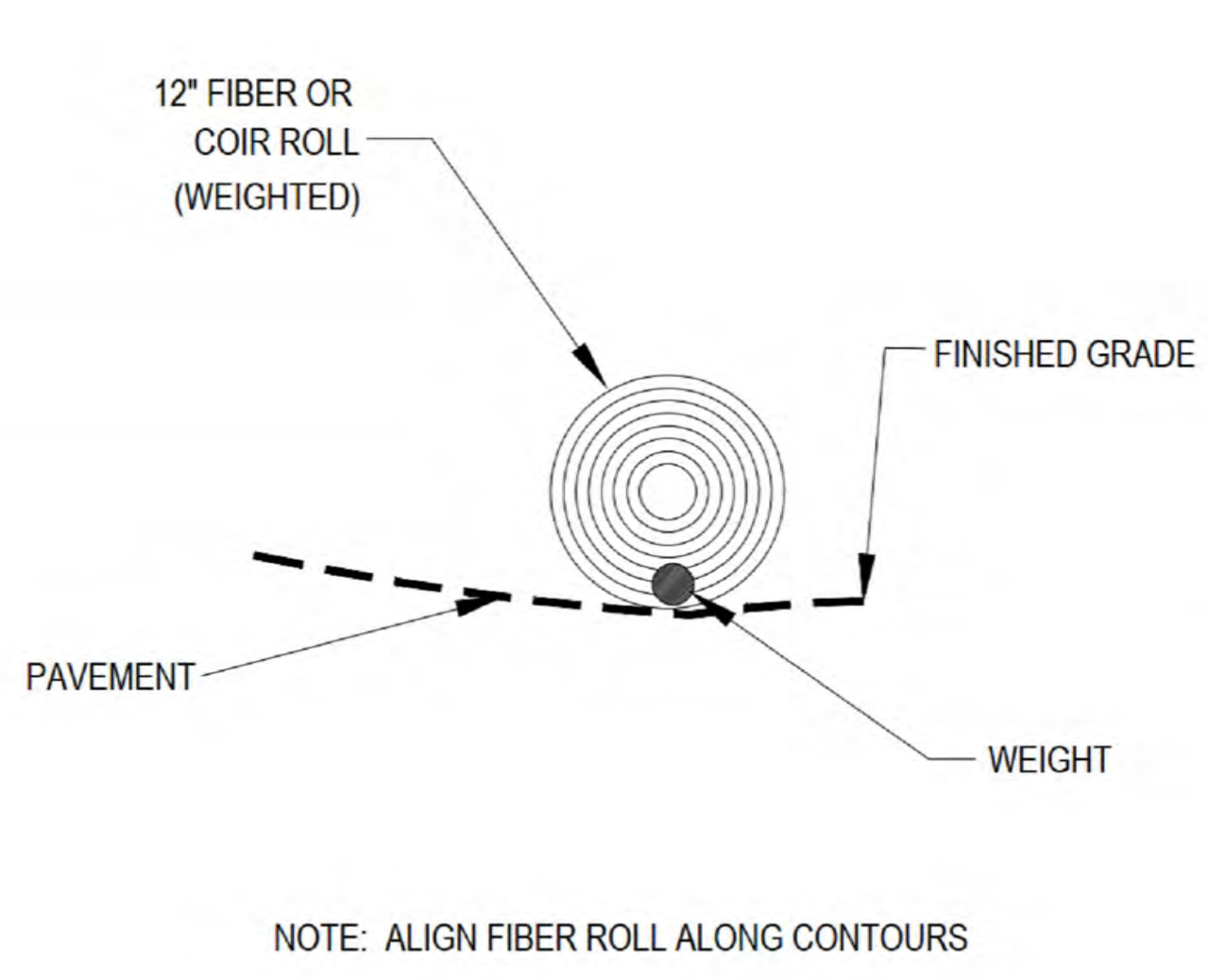
11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

5 EROSION CONTROL FENCING
N.T.S.



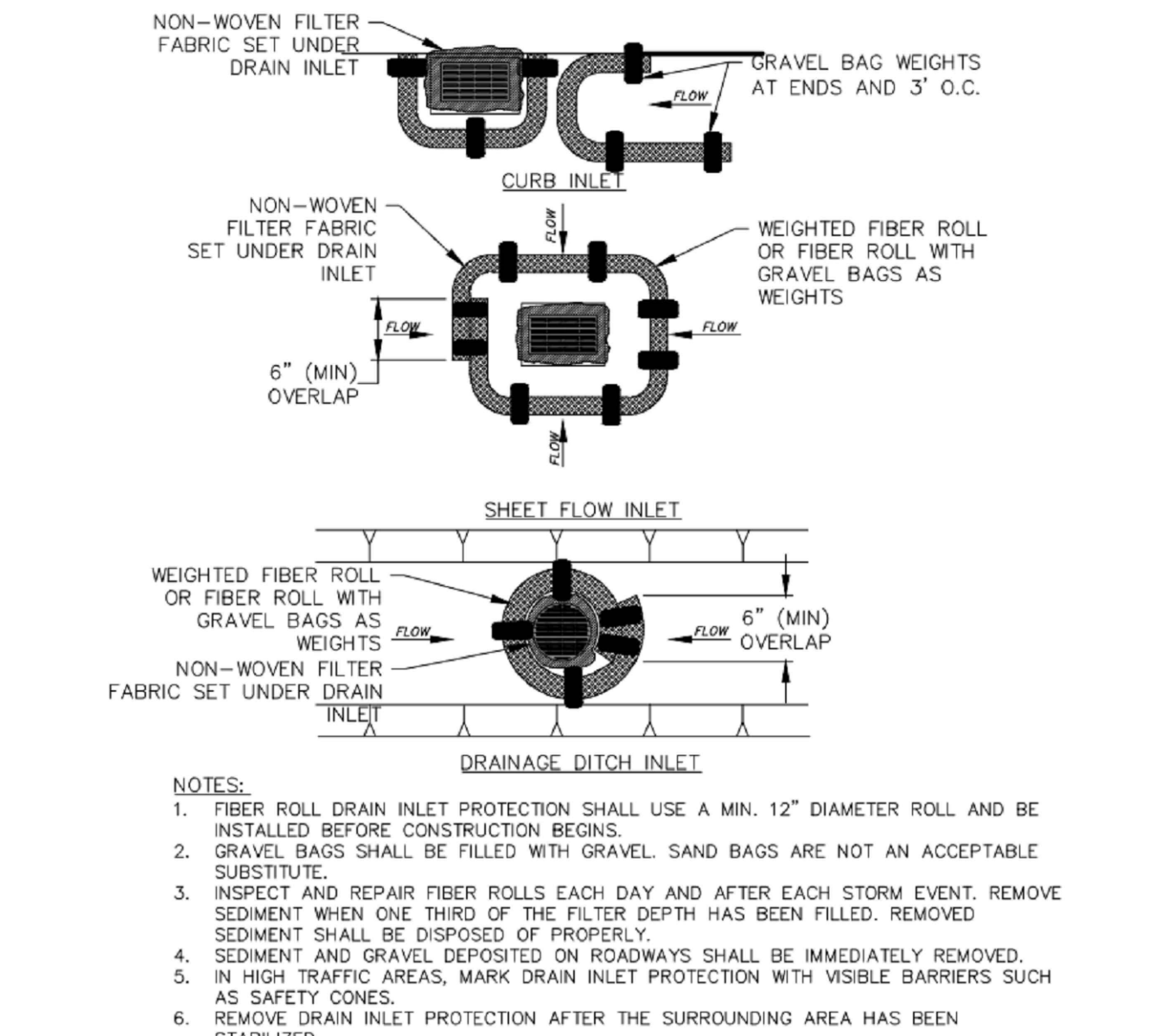
2 WEIGHTED COIR LOGS
N.T.S.



12 NOT USED
N.T.S.

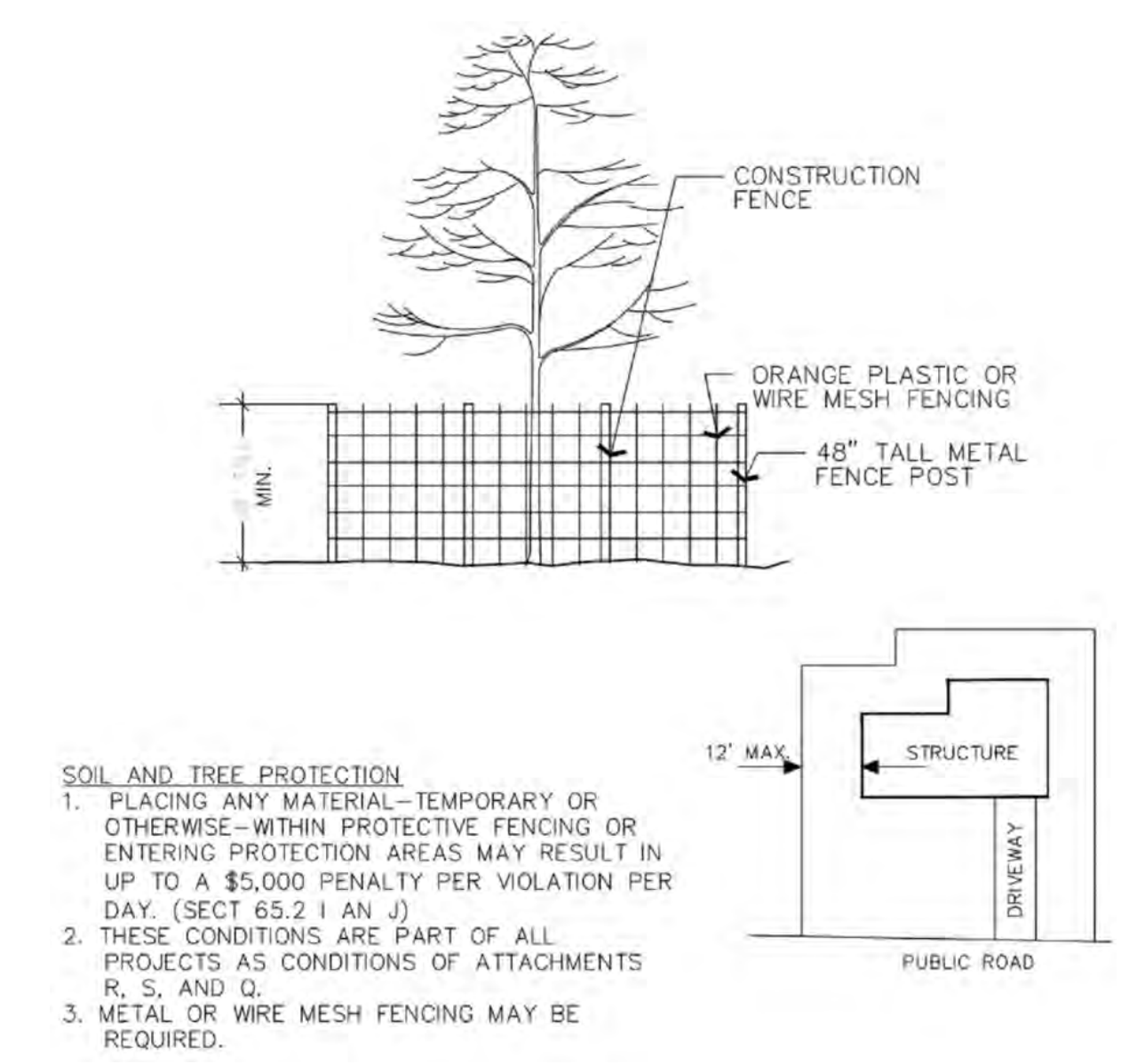
9 NOT USED
N.T.S.

6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



- NOTES:
1. FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
 2. GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
 3. INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
 4. SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
 5. IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
 6. REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

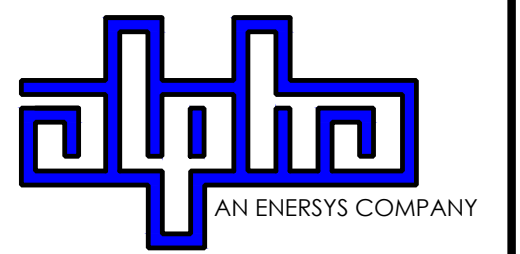
3 VEGETATION PROTECTION FENCING
N.T.S.



- SOIL AND TREE PROTECTION
1. PLACING ANY MATERIAL—TEMPORARY OR OTHERWISE—WITHIN PROTECTIVE FENCING OR ENTERING PROTECTION AREAS MAY RESULT IN UP TO A \$5,000 PENALTY PER VIOLATION PER DAY. (SECT 65.2 I AN J)
 2. THESE CONDITIONS ARE PART OF ALL PROJECTS AS CONDITIONS OF ATTACHMENTS R, S, AND Q.
 3. METAL OR WIRE MESH FENCING MAY BE REQUIRED.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



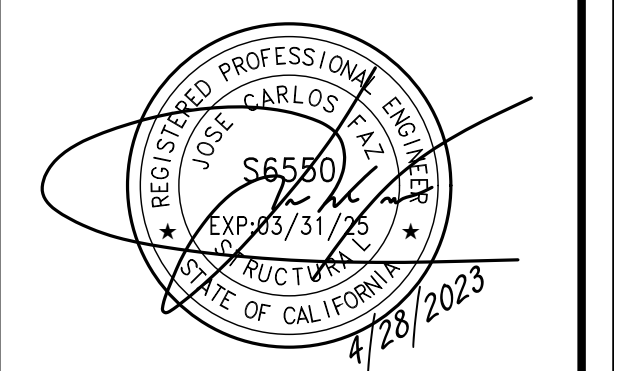
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058747

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/25/21	100% CD	JW
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	05/19/23	100% CD REV PER PCC#2	RD
5	10/02/23	100% CD REVISION	JG

SEAL



SITE INFORMATION

SITE ID:
ST115C_A

SITE ADDRESS:
3674 ROCKY POINT,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

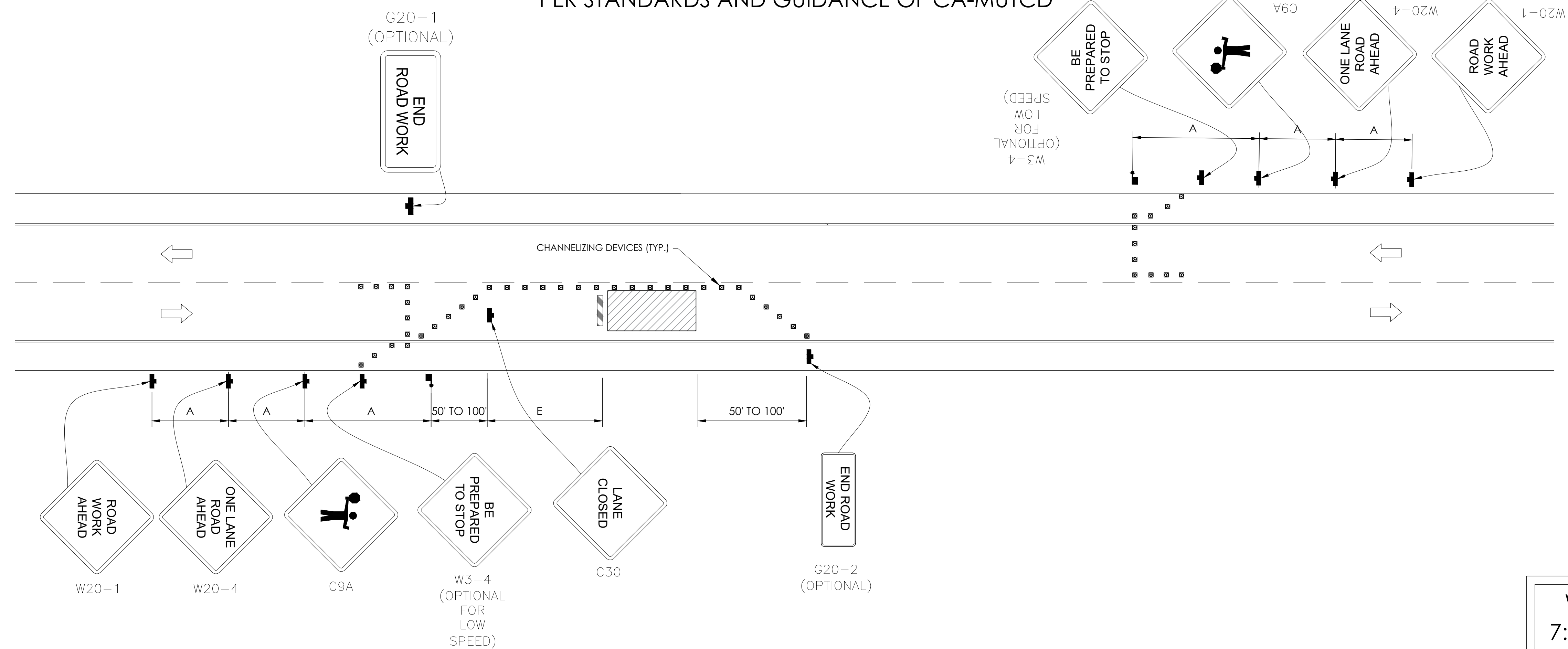
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
- ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
- FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
- ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
- THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
- ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
- EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
- MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
- REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
- ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
- DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
- TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
- ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							

Charter Spectrum

9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311

alpha
AN ENERSYS COMPANY

3767 ALPHA WAY
BELLINGHAM, WA 98226

J5 INFRASTRUCTURE

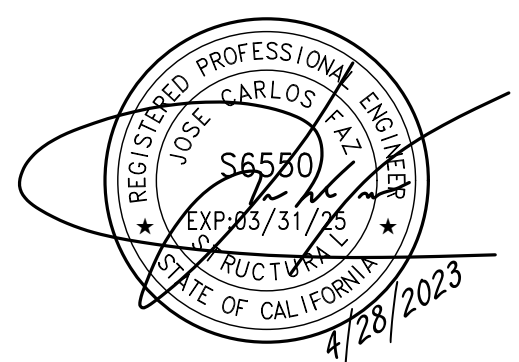
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058747

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/25/21	100% CD	JW
1	10/13/21	TRAFFIC CONTROL	MZ
2	12/02/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	05/19/23	100% CD REV PER PCC#2	RD
5	10/02/23	100% CD REVISION	JG

SEAL



SITE INFORMATION

SITE ID:
ST115C_A

SITE ADDRESS:
3674 ROCKY POINT,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1



EXISTING SITE PHOTO



LOCATION MAP

2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



SITE ID: ST120C_A

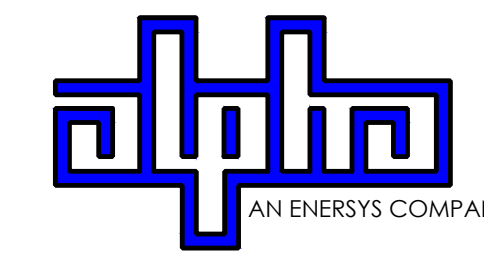
SITE ADDRESS:
3774 WOODBINE RD,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	3774 WOODBINE RD SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.93750729, -119.95440998
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	7
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	1 C.Y.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



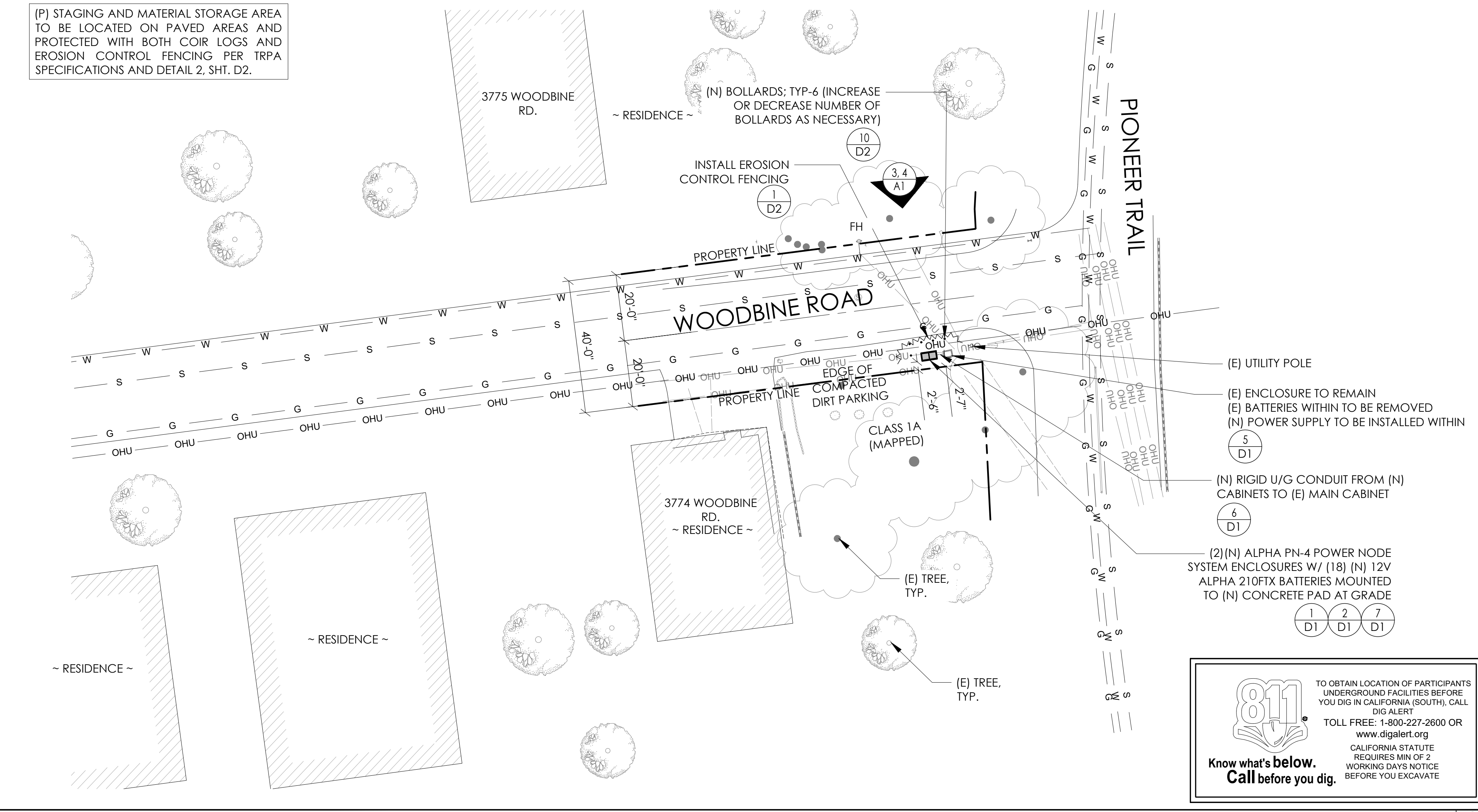
23 MAULCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058525

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	07/30/21	90% CD	KV
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	06/08/23	100% CD REV PER PPC#1	KB
4	09/26/23	SURVEY SHEET ADD	MZ

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.



TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT

TOLL FREE: 1-800-227-2600 OR www.digalert.org

CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

Know what's below. Call before you dig.

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS-1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5p.com 23 MAULCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE, 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANSUTIA-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL

10/10/23

SITE INFORMATION

**SITE ID:
ST120C_A**

SITE ADDRESS:
3774 WOODBINE RD,
SOUTH LAKE TAHOE, CA
96150

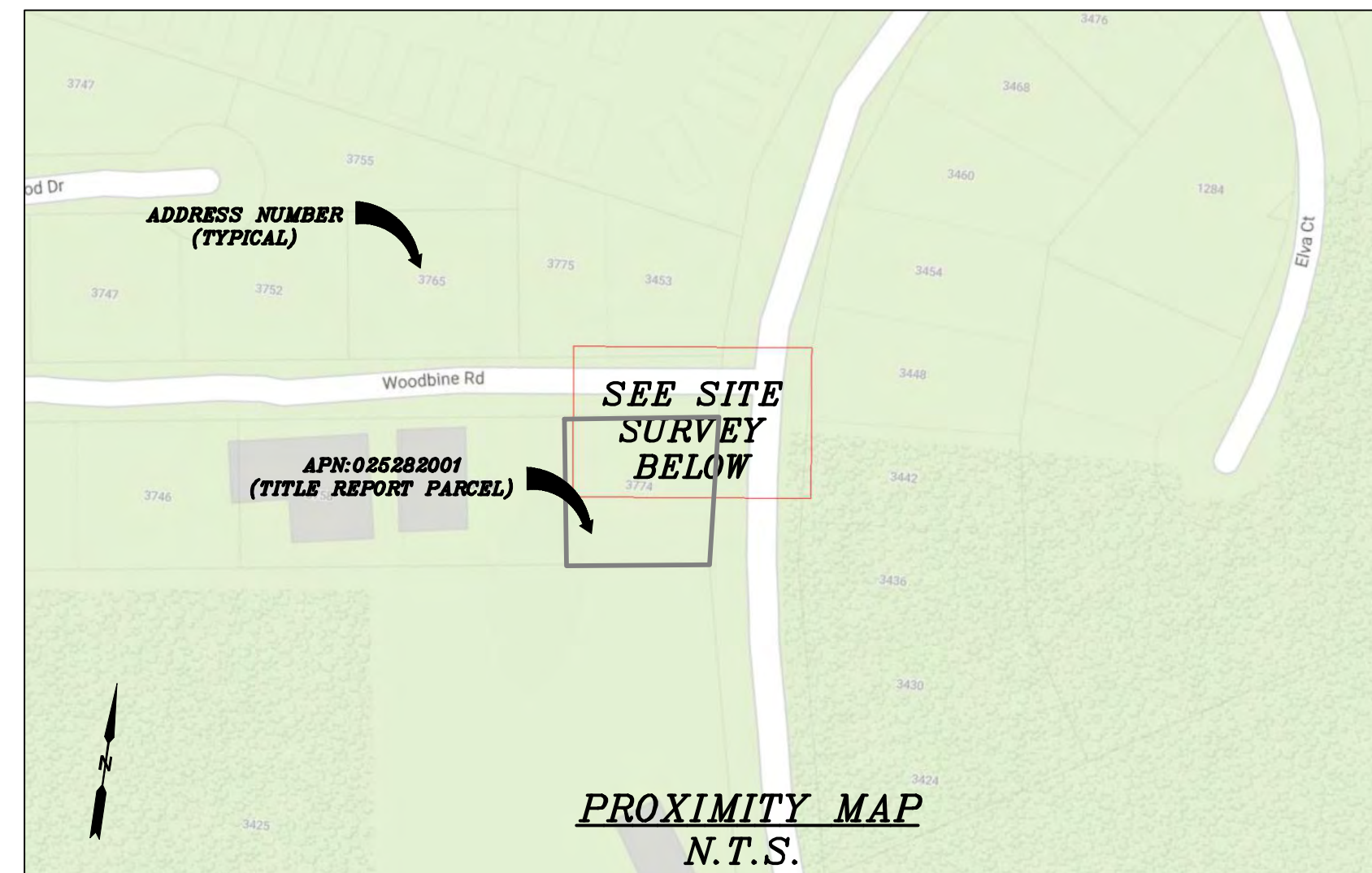
SHEET TITLE:
TITLE SHEET

T1

SITE PLAN

24"x36" SCALE: 1" = 10'-0"
11"x17" SCALE: 1" = 20'-0"

NORTH



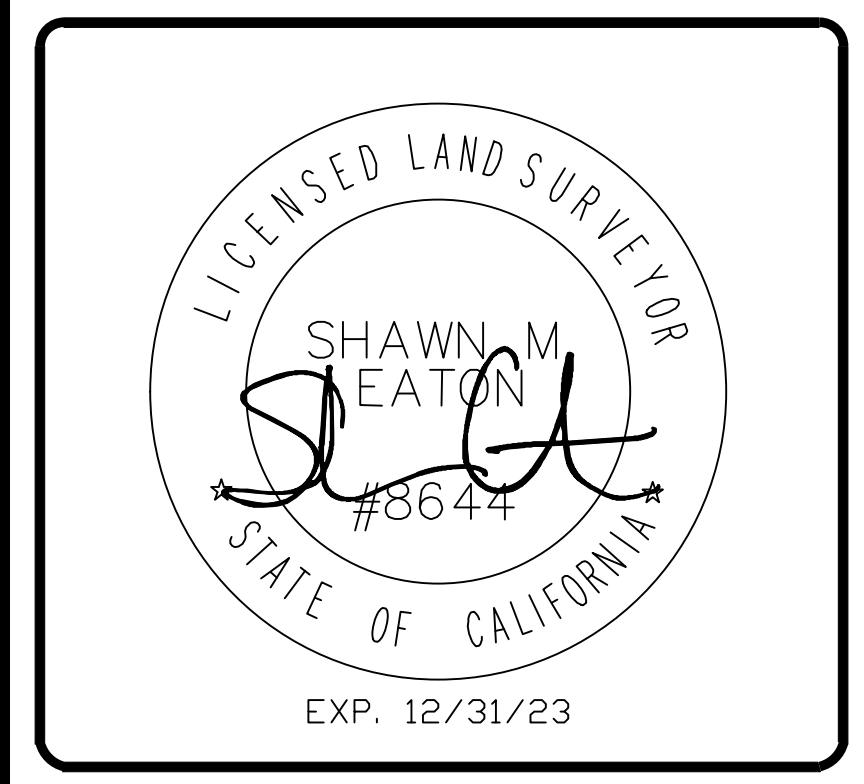
CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

Eaton Land Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/21/23	SUBMITTAL



PROJECT INFORMATION:
ST120C_A
3774 WOODBINE RD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/26/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

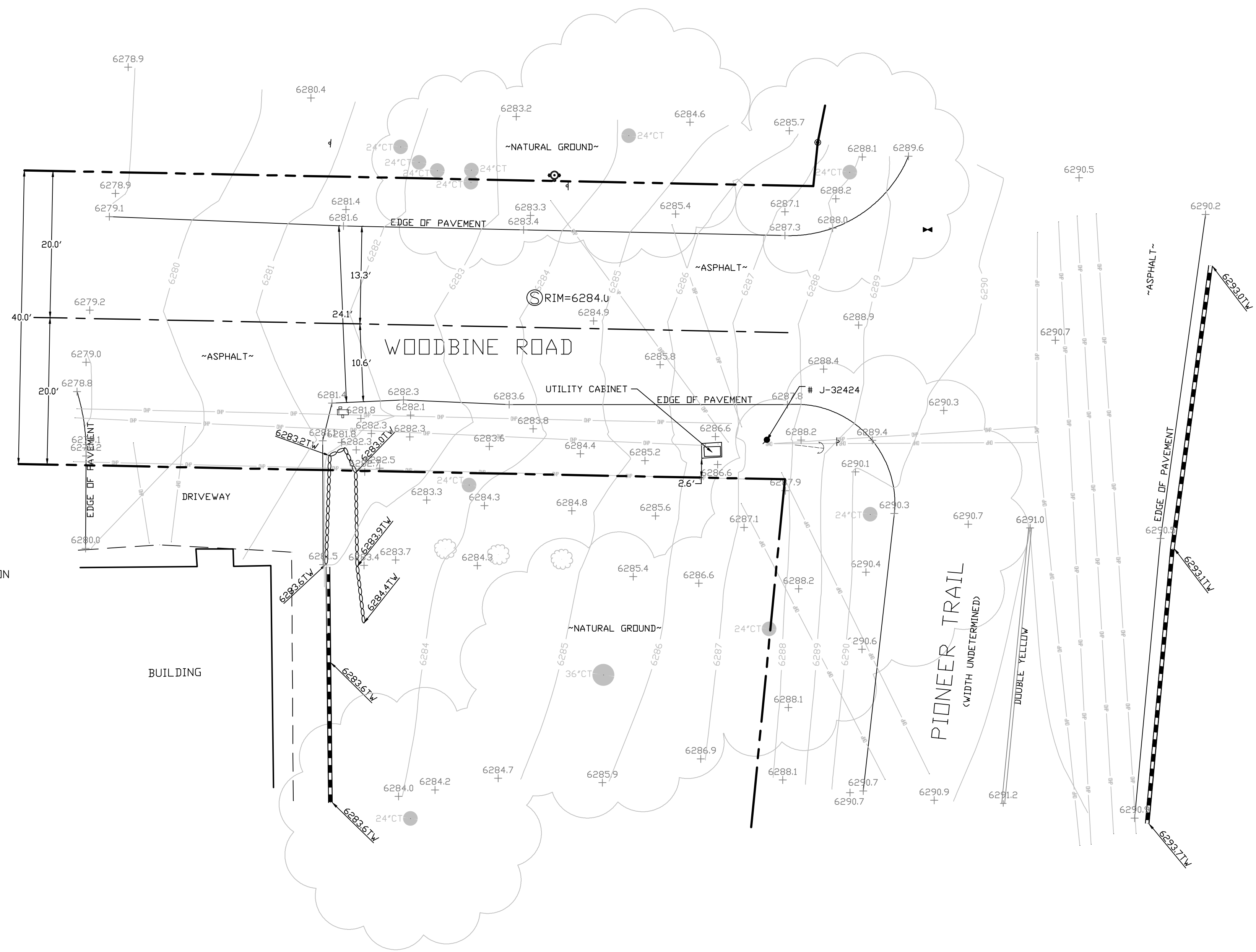
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 23 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 025-282-001-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032332 DATED 08/31/2023;

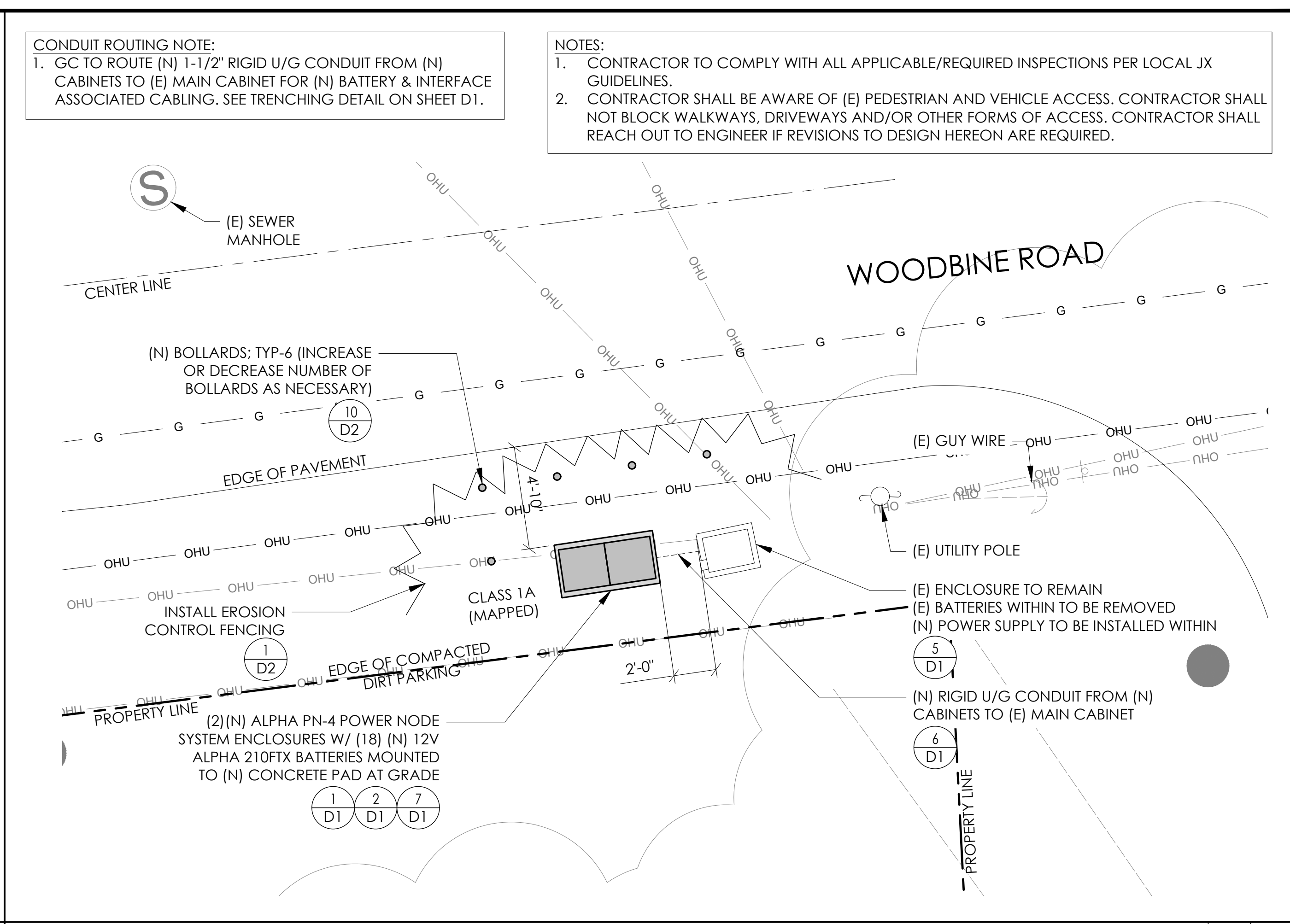
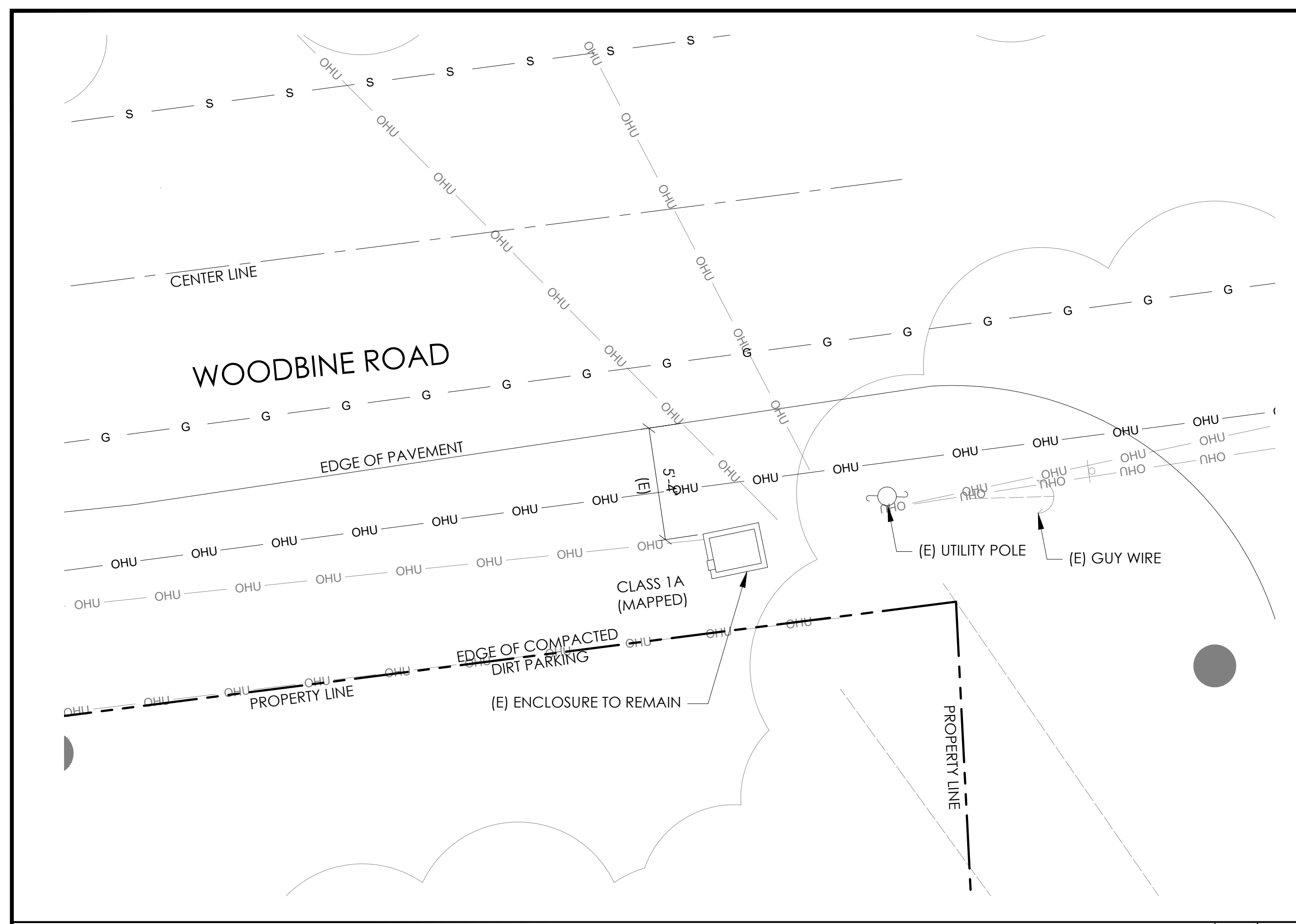
LEGEND
These standard symbols may be found in the drawing.

	CONCRETE
	PROPERTY LINE
	CENTER LINE
	OVERHEAD LINE
	FENCE
	HEADER
	ROOF
	WALL
	ROCK WALL
	PULLBOX ELECTRIC
	PULLBOX TELEPHONE
	PULLBOX COMMUNICATION
	WATER METER
	WATER VALVE
	POWER POLE
	ELEVATION GRADE
	GUY WIRE
	MAILBOX
	SIGN
	MANHOLE TELEPHONE
	MANHOLE SEWER
	RECTANGLE INLET
	FIRE HYDRANT
	SHRUB
	TRUNK
	CT CONIFEROUS TREE
	DT DECIDUOUS TREE
	TC TOP OF CURB
	FC FACE OF CURB
	TF TOP OF FENCE
	TW TOP OF WALL
	CD CURB DRAIN
	● FOUND MONUMENT



SITE SURVEY
SCALE 1"=10'





CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

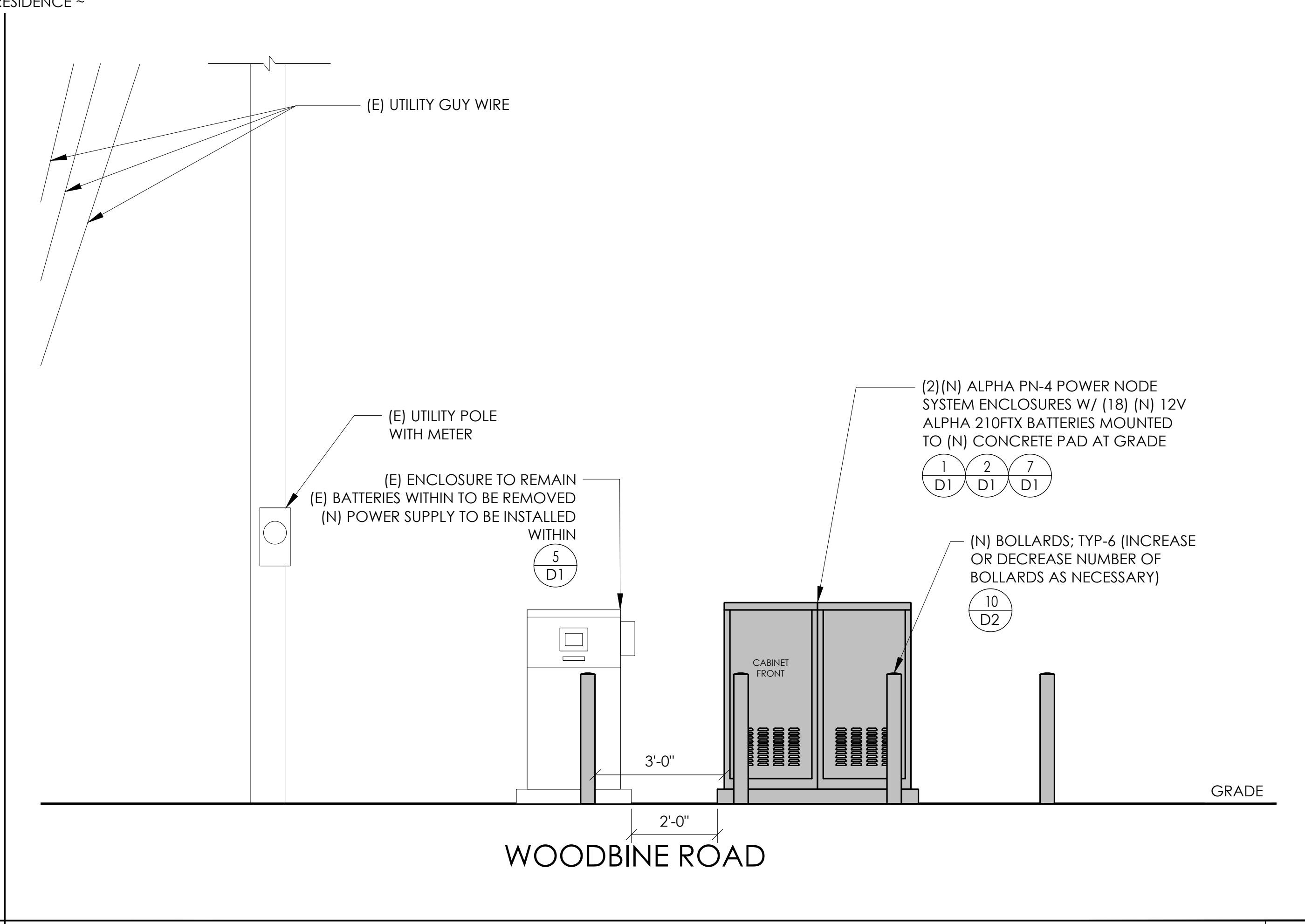
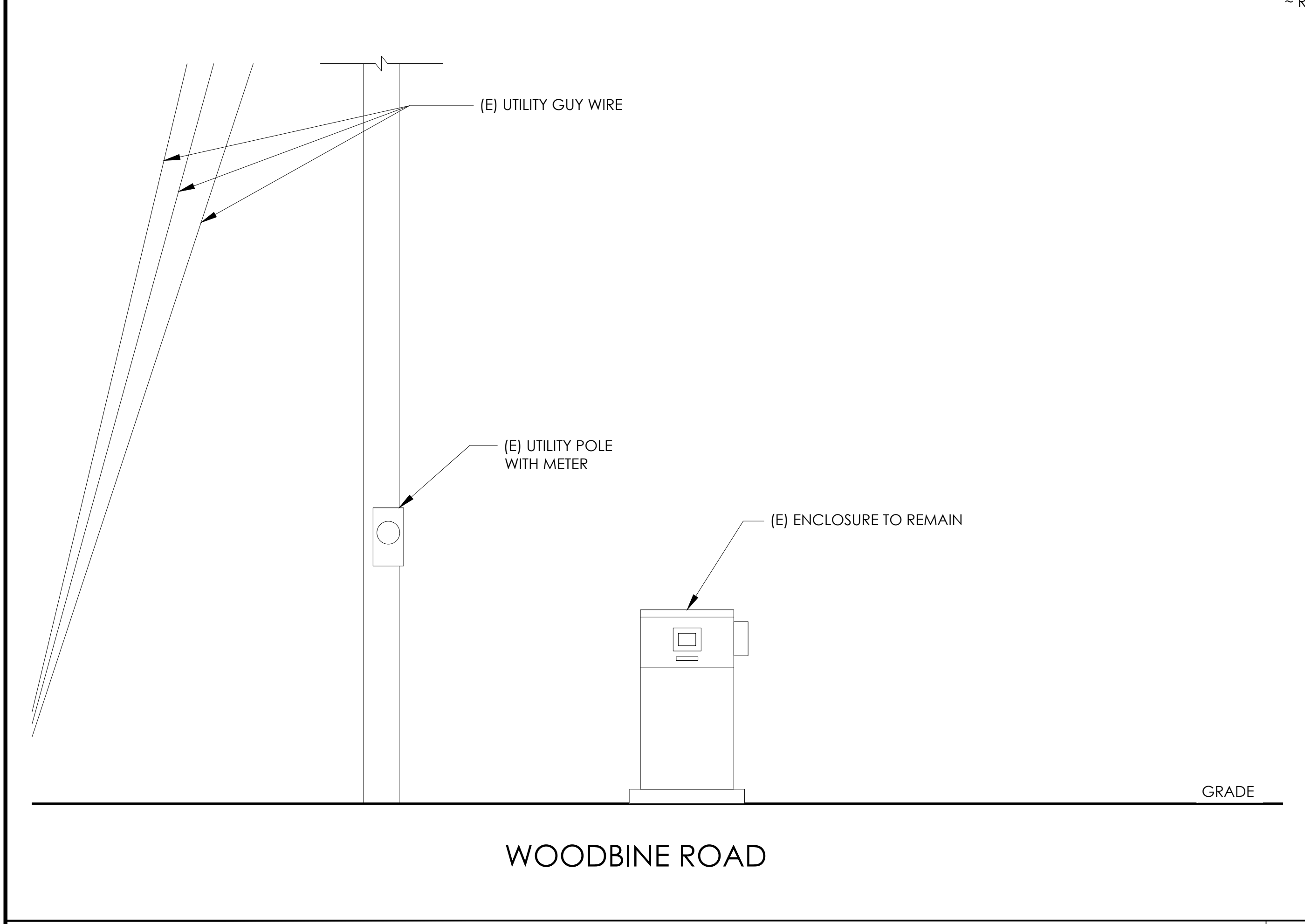
NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"

PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 1/4" = 1'-0"
 11"x17" SCALE: 1/8" = 1'-0"



EXISTING ELEVATION

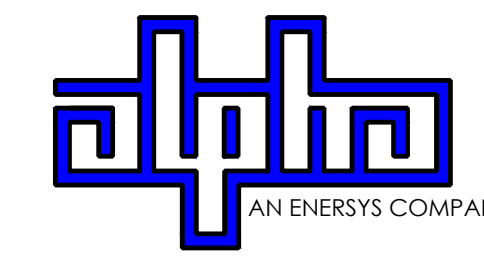
24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"

PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



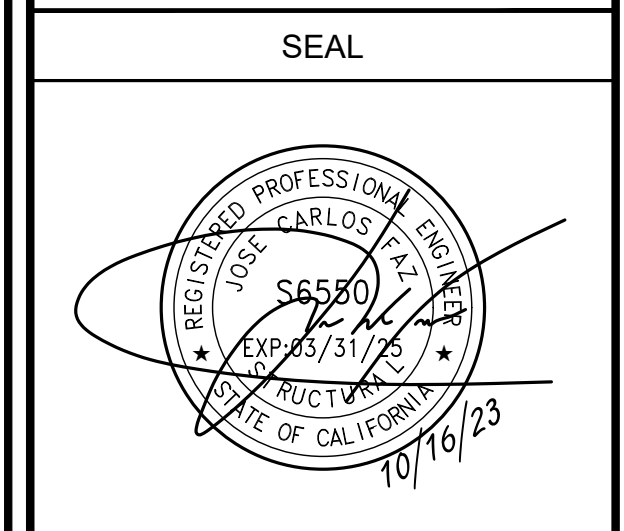
3767 ALPHA WAY
 BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058525

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	07/30/21	90% CD	KV
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	06/08/23	100% CD REV PER PPC#1	KB
4	09/26/23	SURVEY SHEET ADD	MZ



SITE INFORMATION

SITE ID:
 ST120C_A

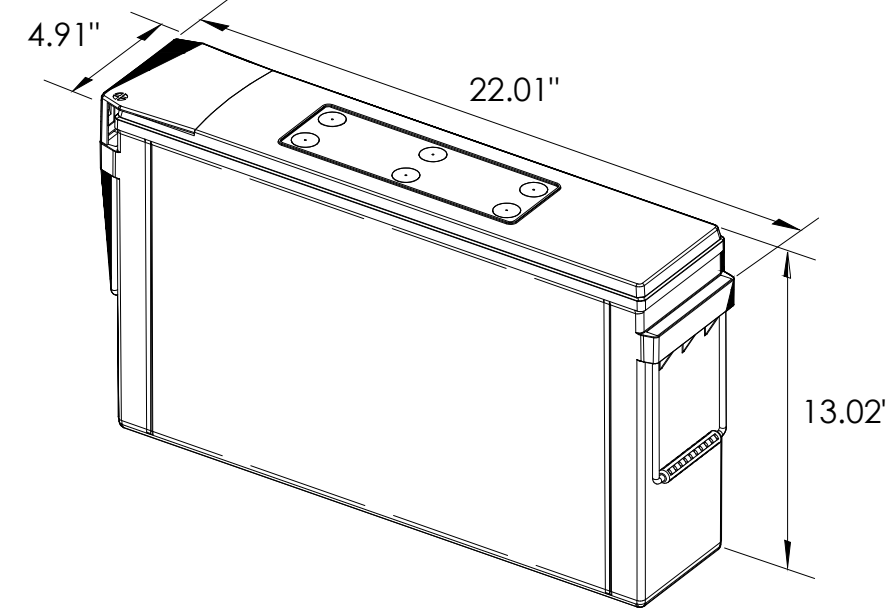
SITE ADDRESS:
 3774 WOODBINE RD,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA
210 FIX BATTERY UNIT

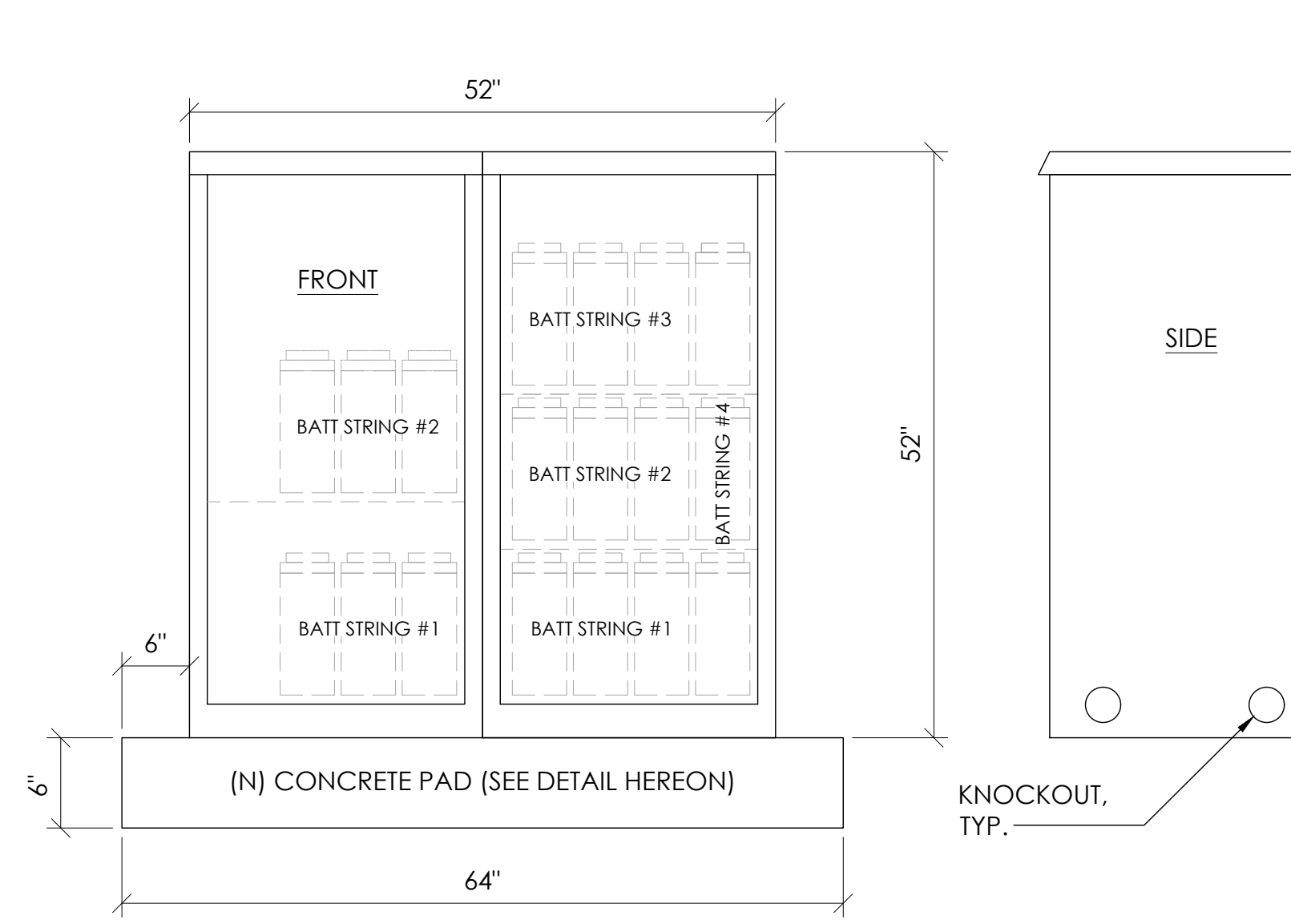


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

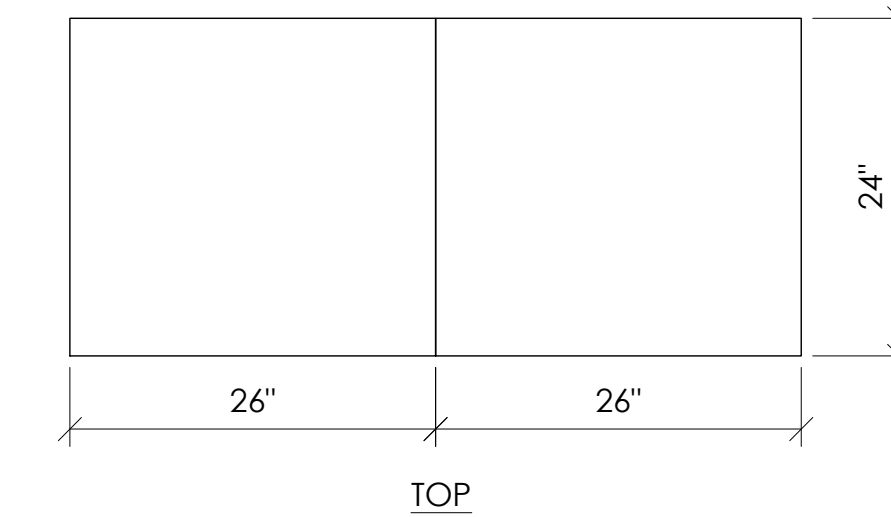


CABINET SPECIFICATIONS

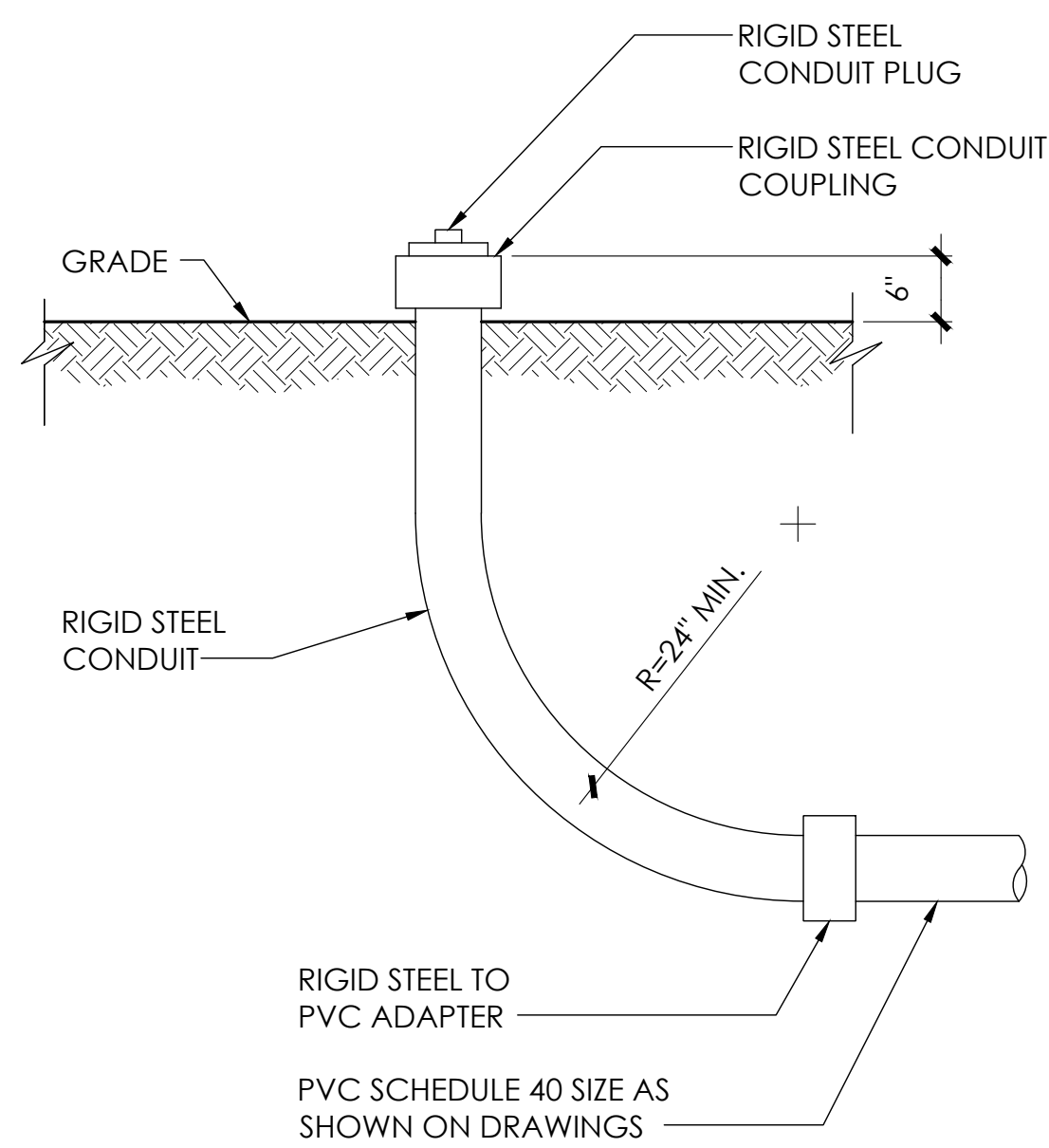
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.

MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS



1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



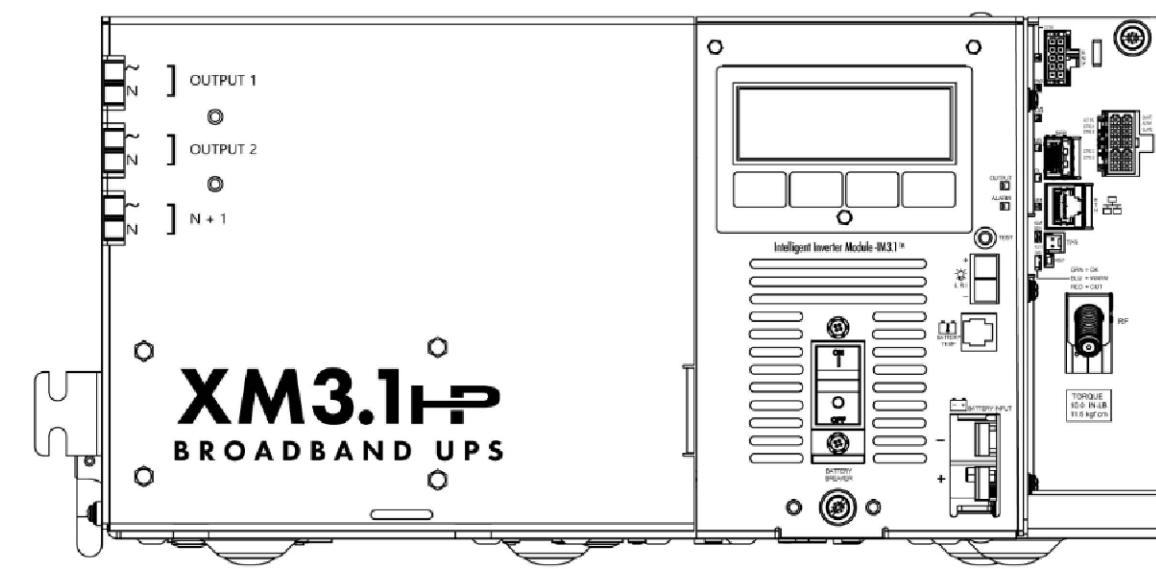
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

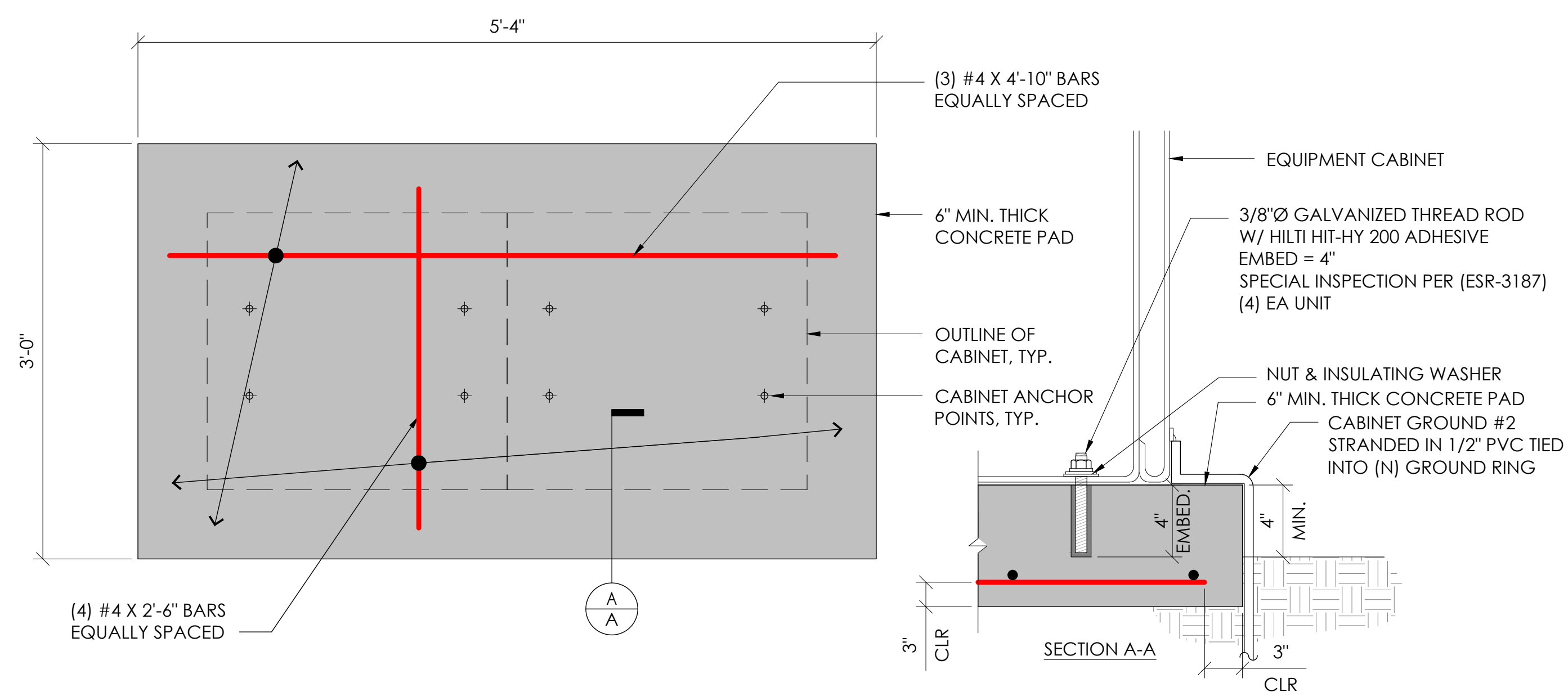
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

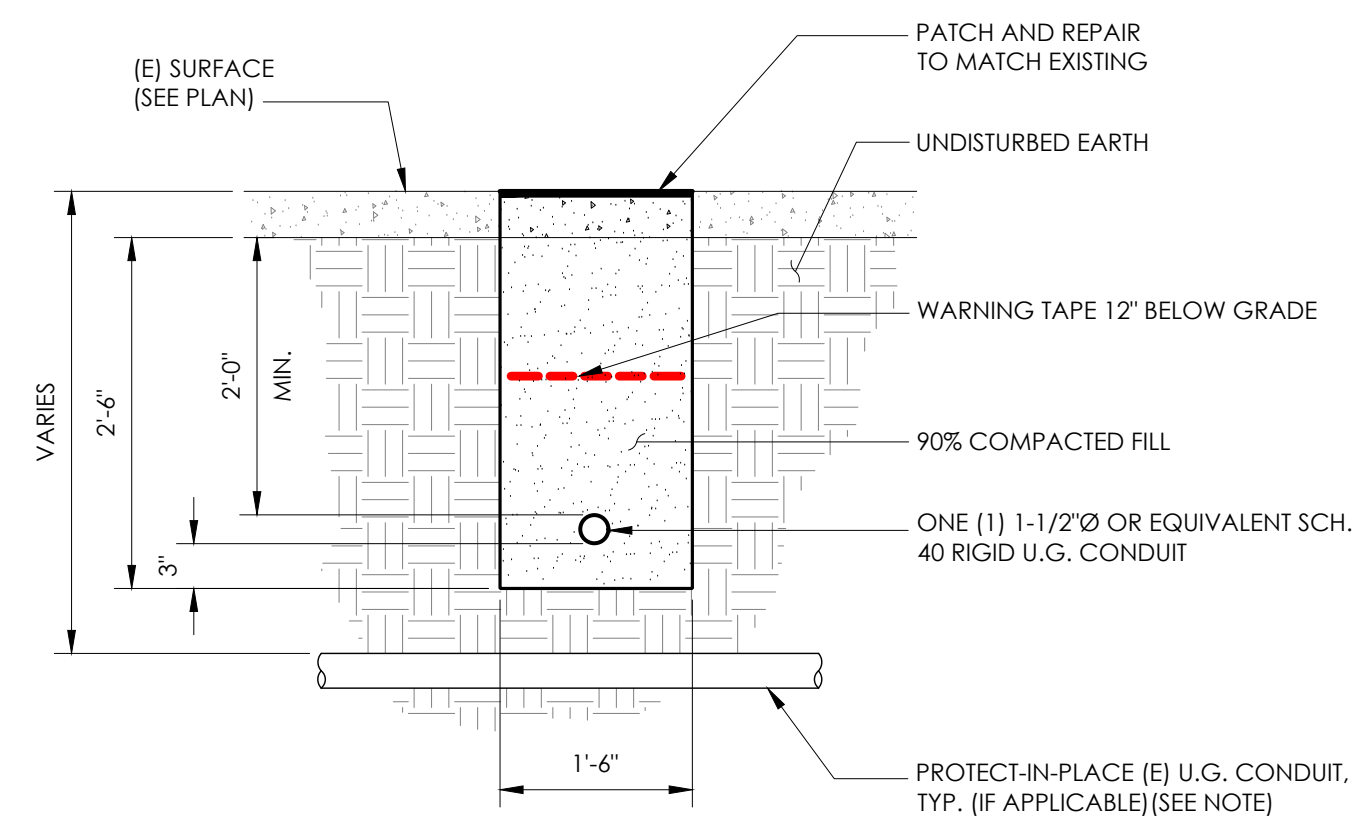


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



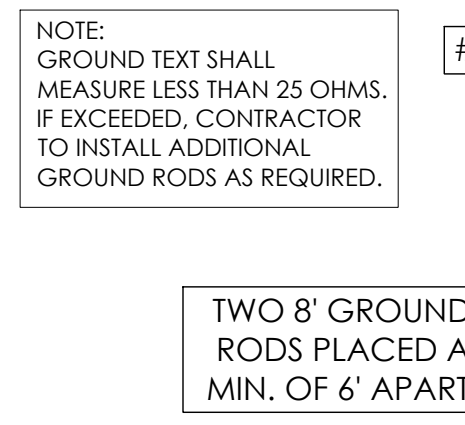
6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

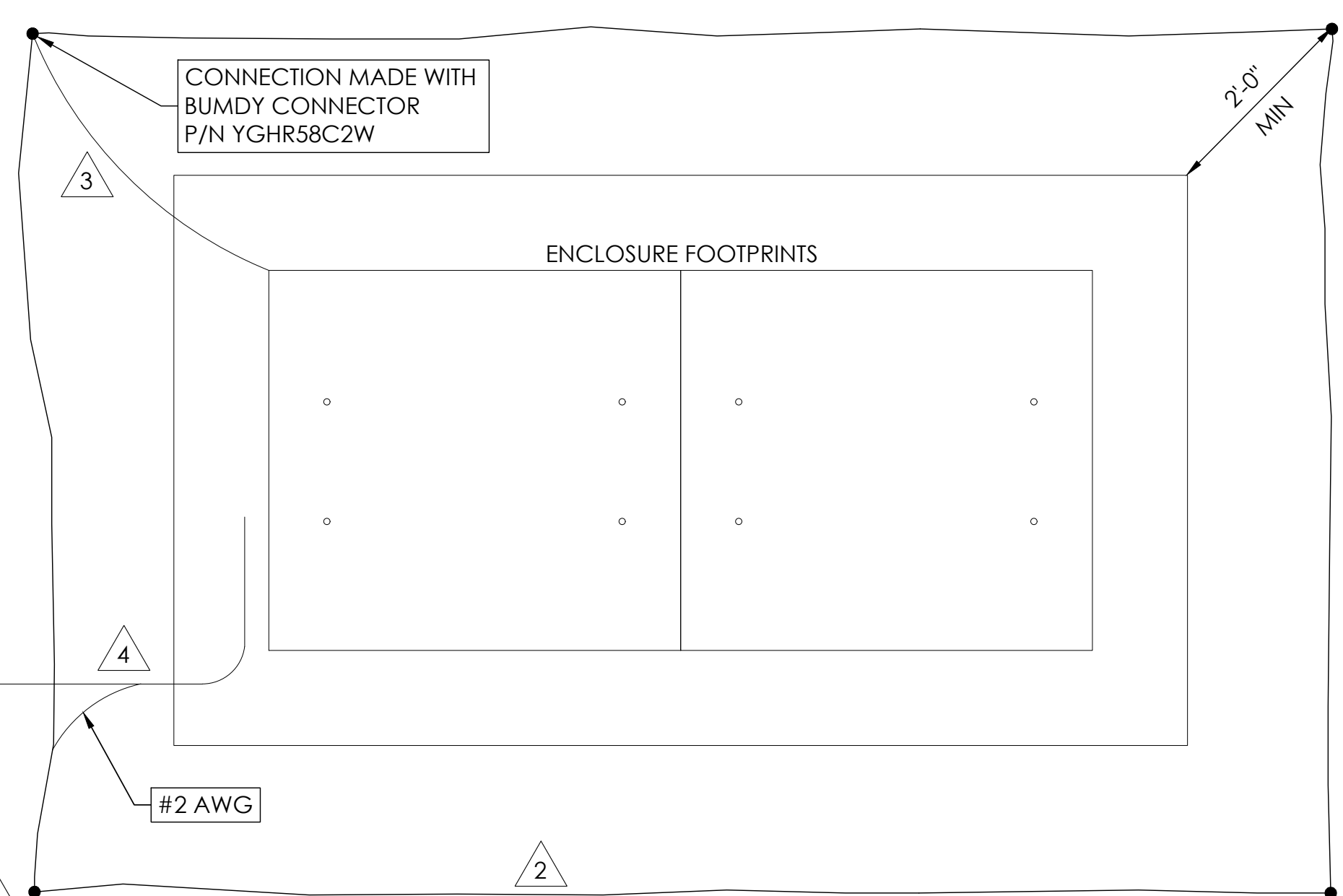
- ⚠️ 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- ⚠️ #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- ⚠️ #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- ⚠️ WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)
⚠️ #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6" APART.

NOTE:
GROUND TEST SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.



3 GROUNDING DETAIL
N.T.S.



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CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



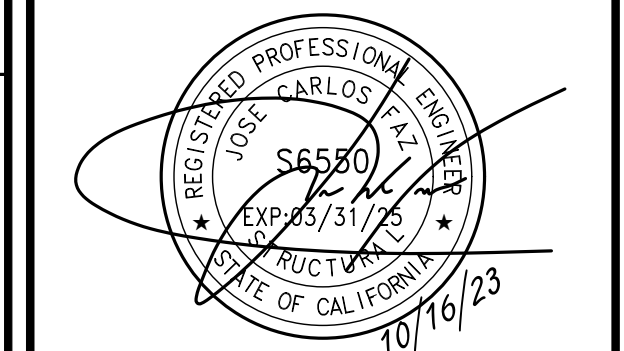
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058525

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	07/30/21	90% CD	KV
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	06/08/23	100% CD REV PER PPC#1	KB
4	09/26/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

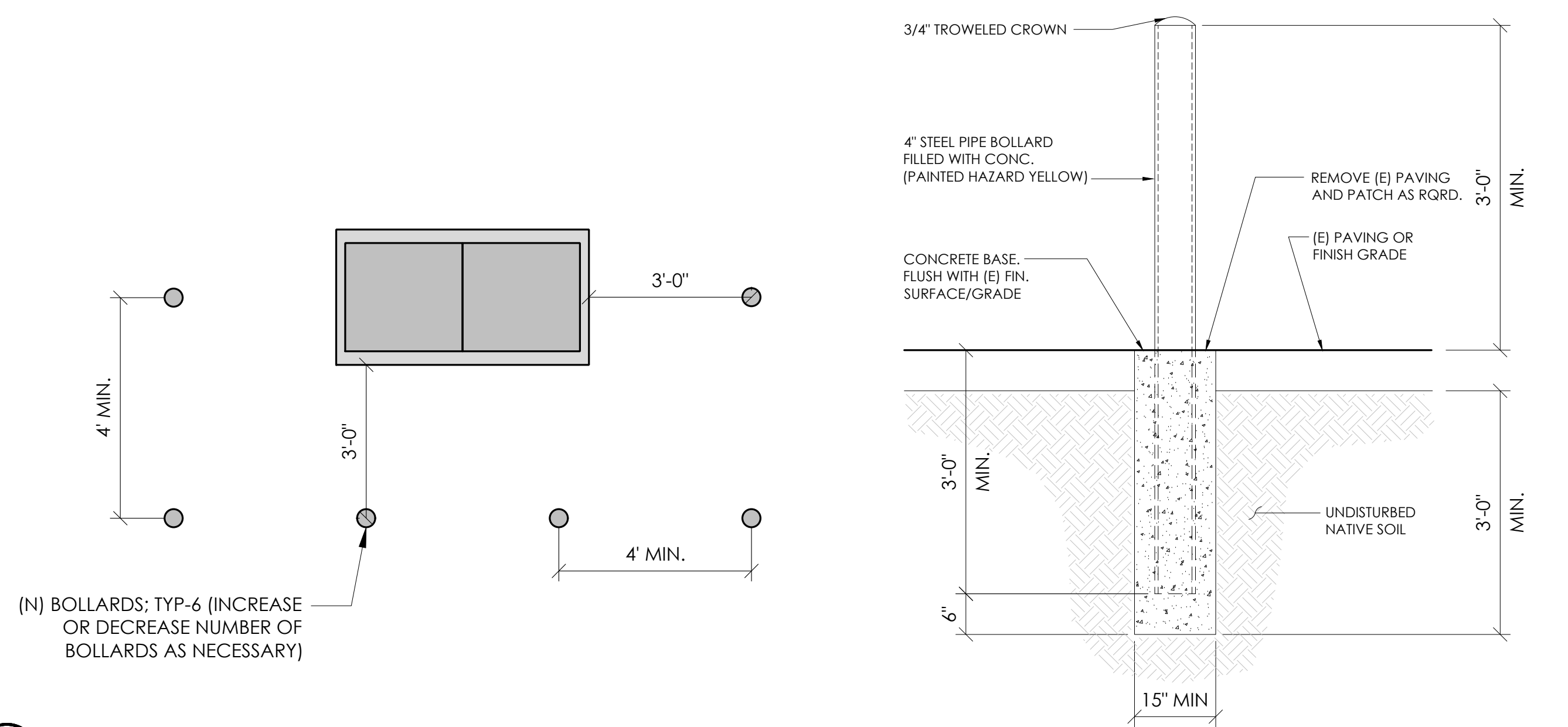
SITE ID:
ST120C_A

SITE ADDRESS:
3774 WOODBINE RD,
SOUTH LAKE TAHOE, CA
96150

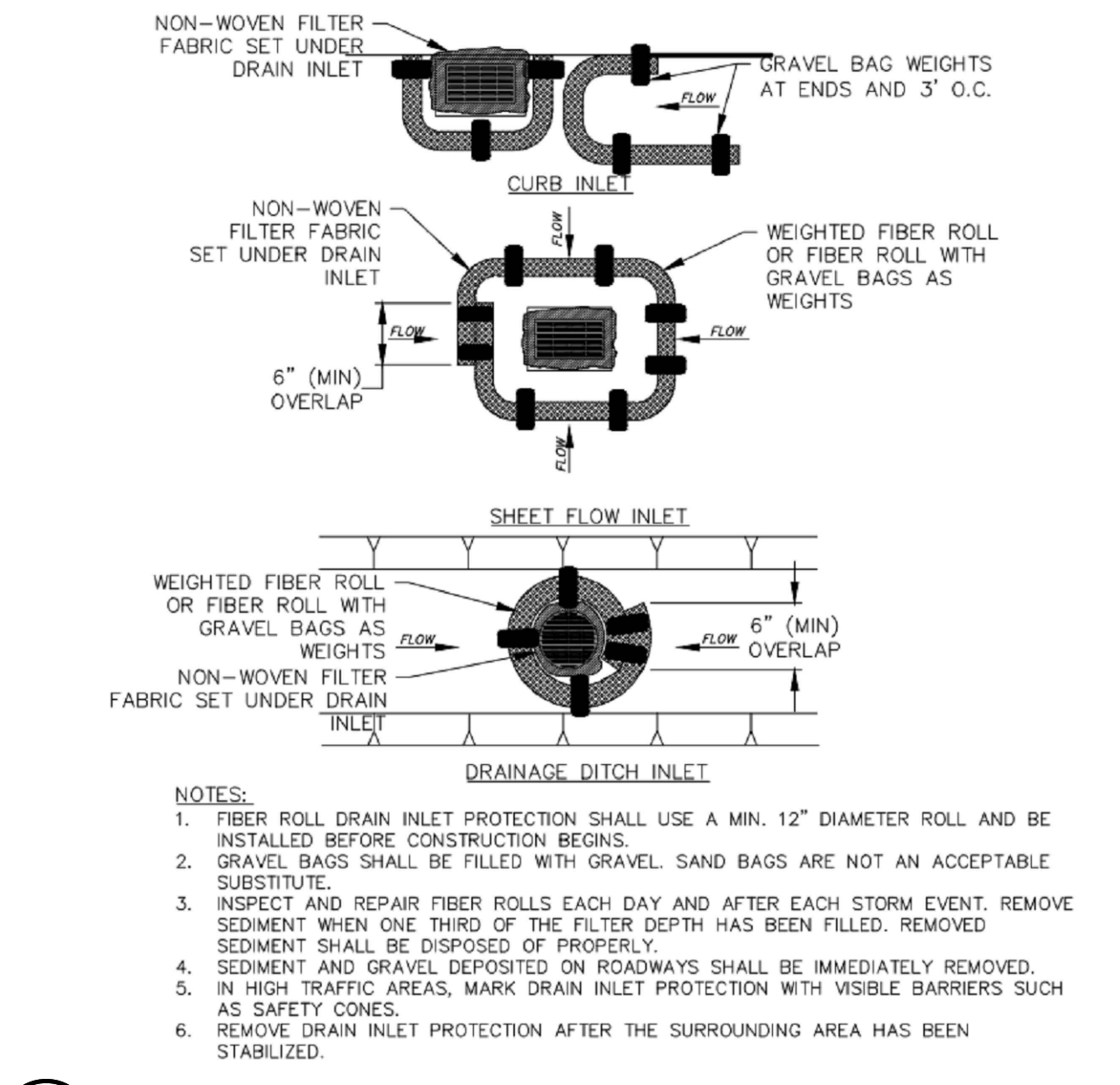
SHEET TITLE:

DETAILS

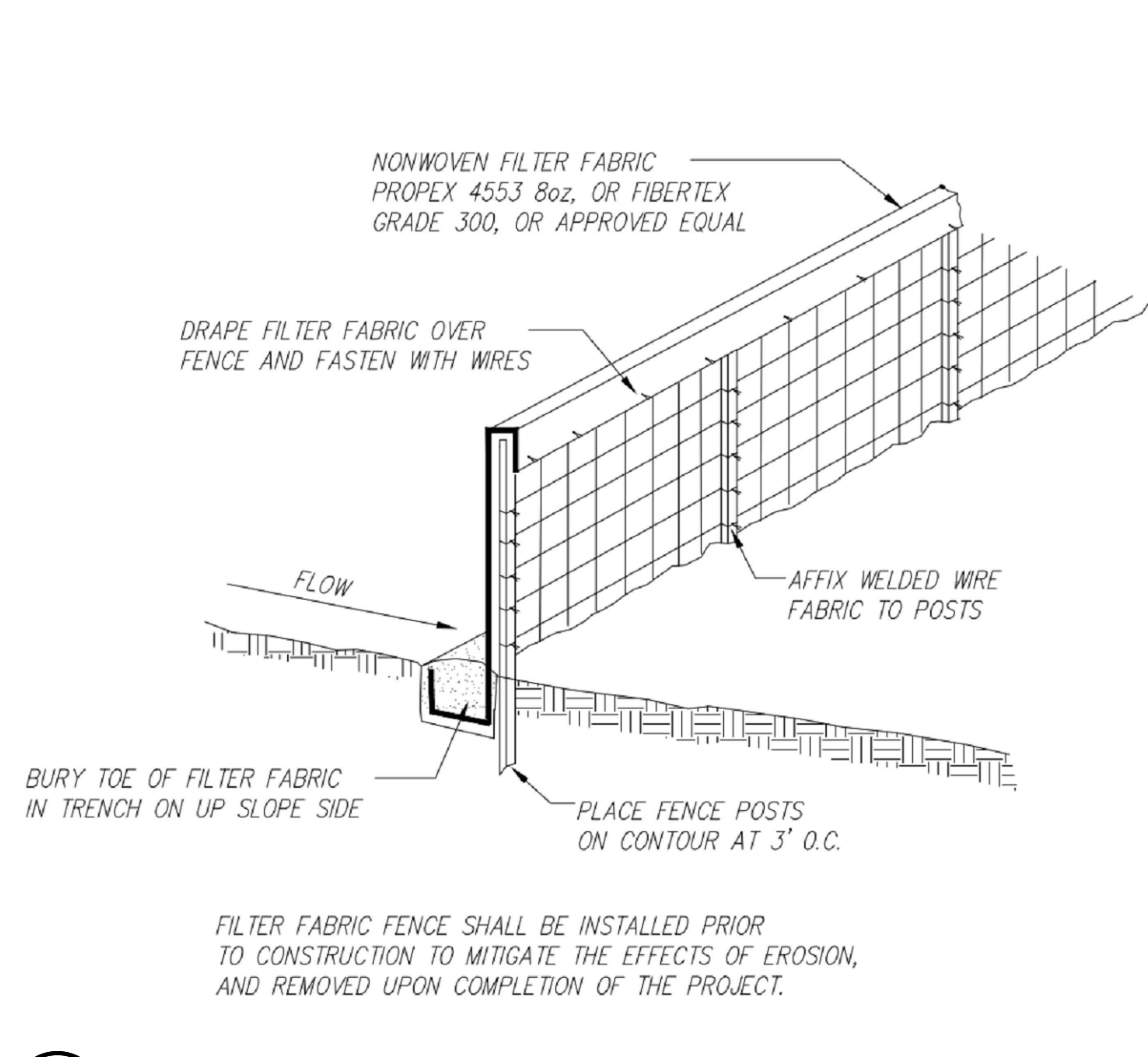
D1



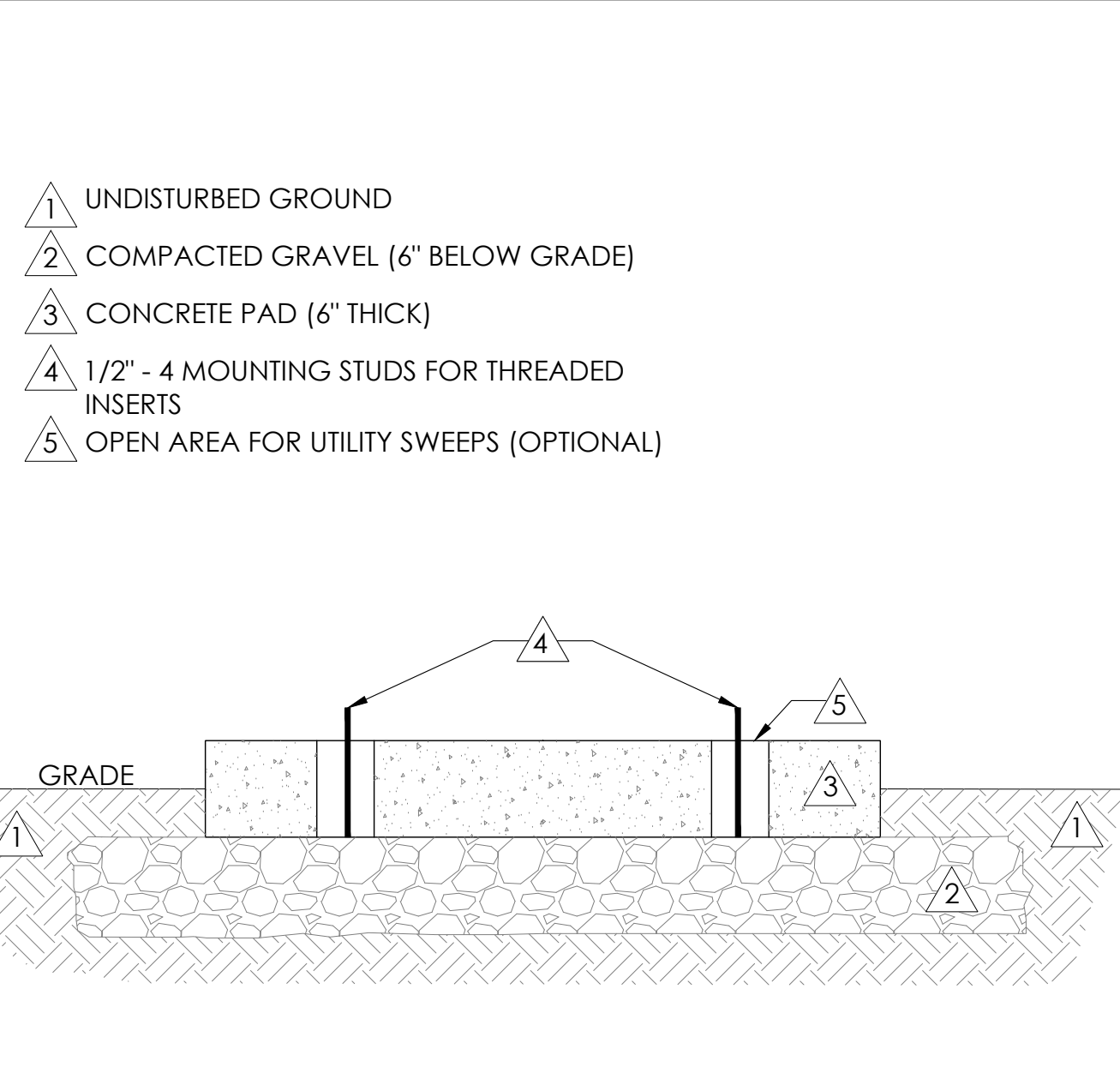
10 BOLLARD DETAIL
N.T.S.



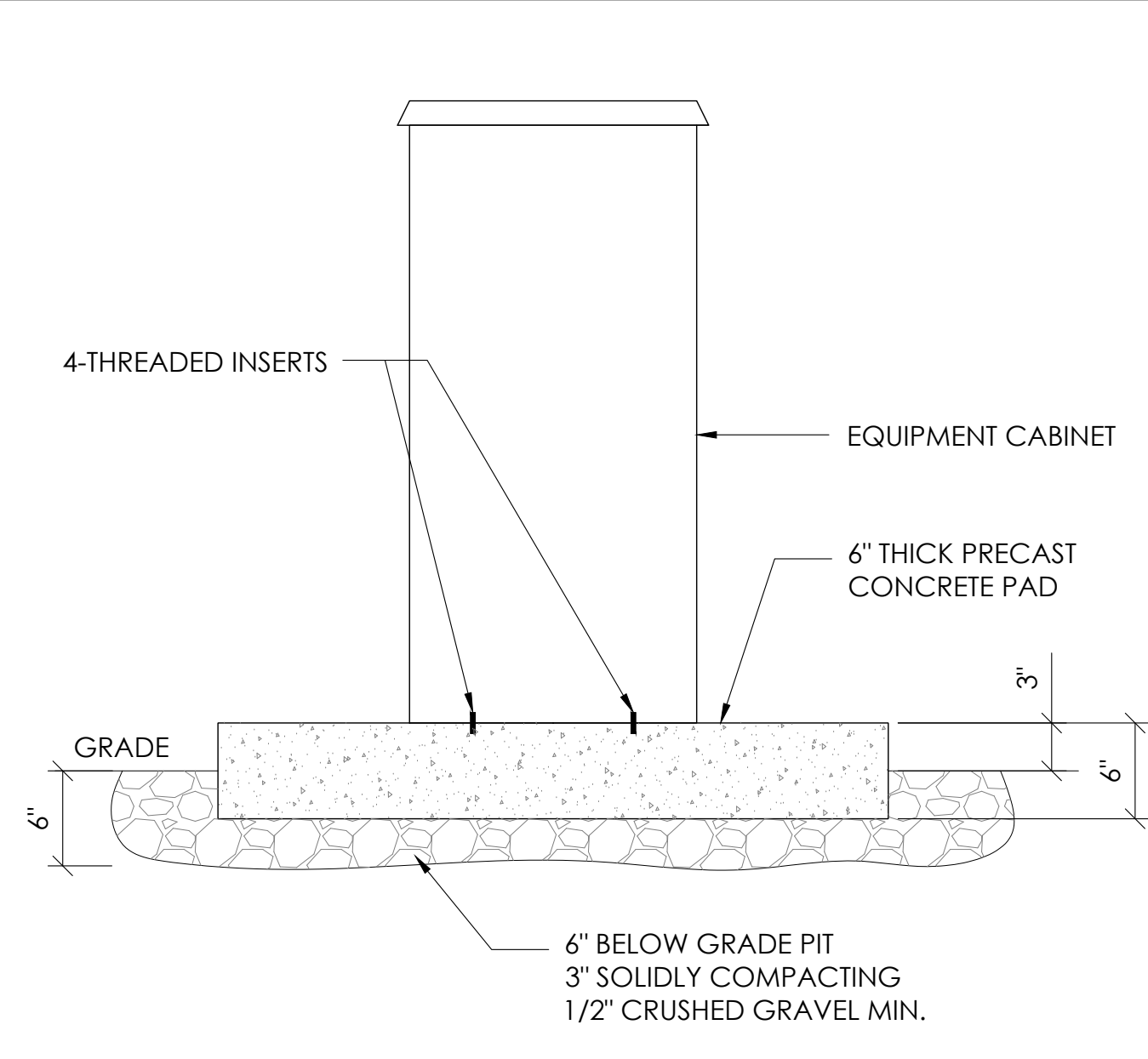
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



1 EROSION CONTROL FENCING
N.T.S.



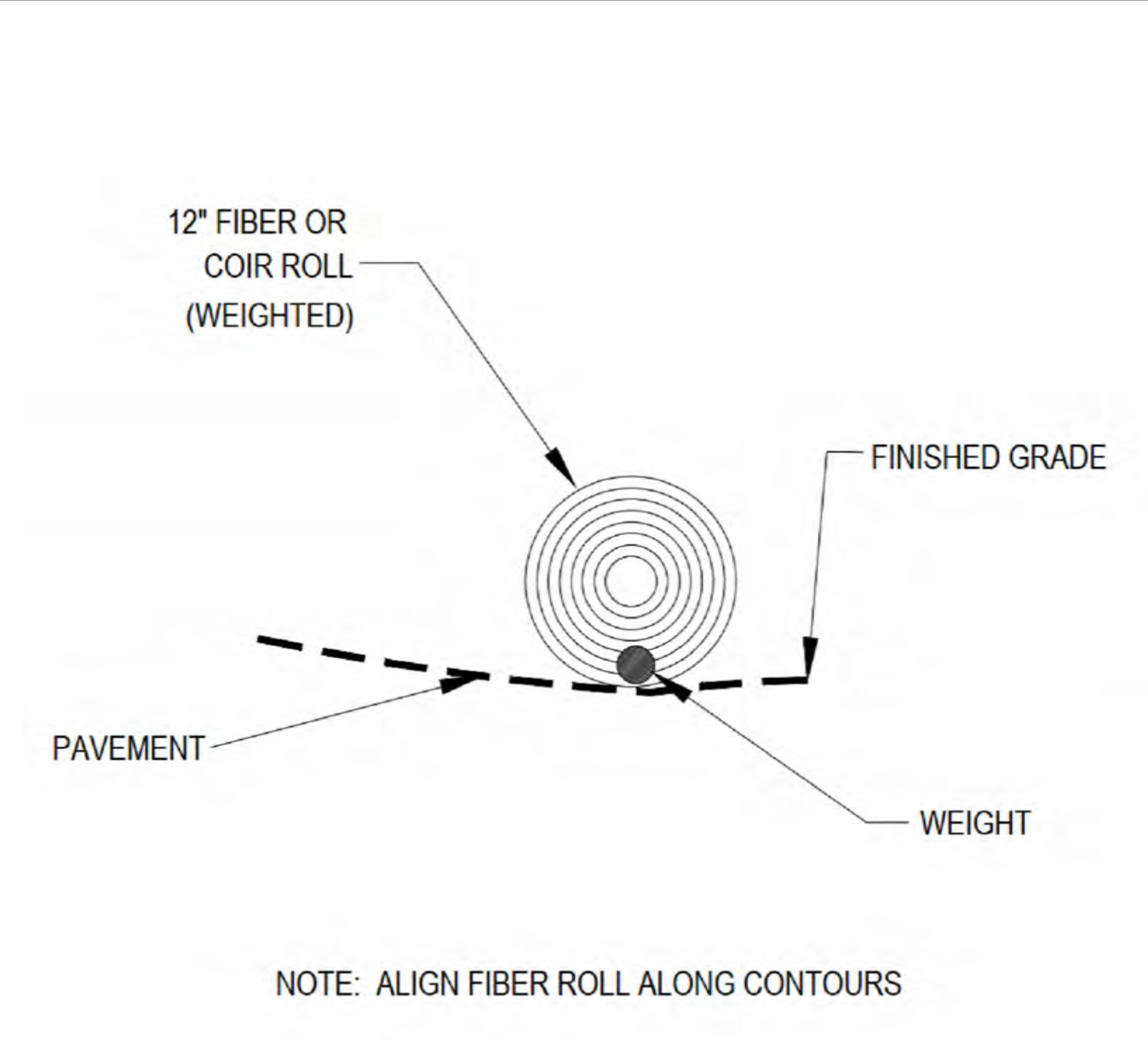
11 FOUNDATION BASE FOR PN4
N.T.S.



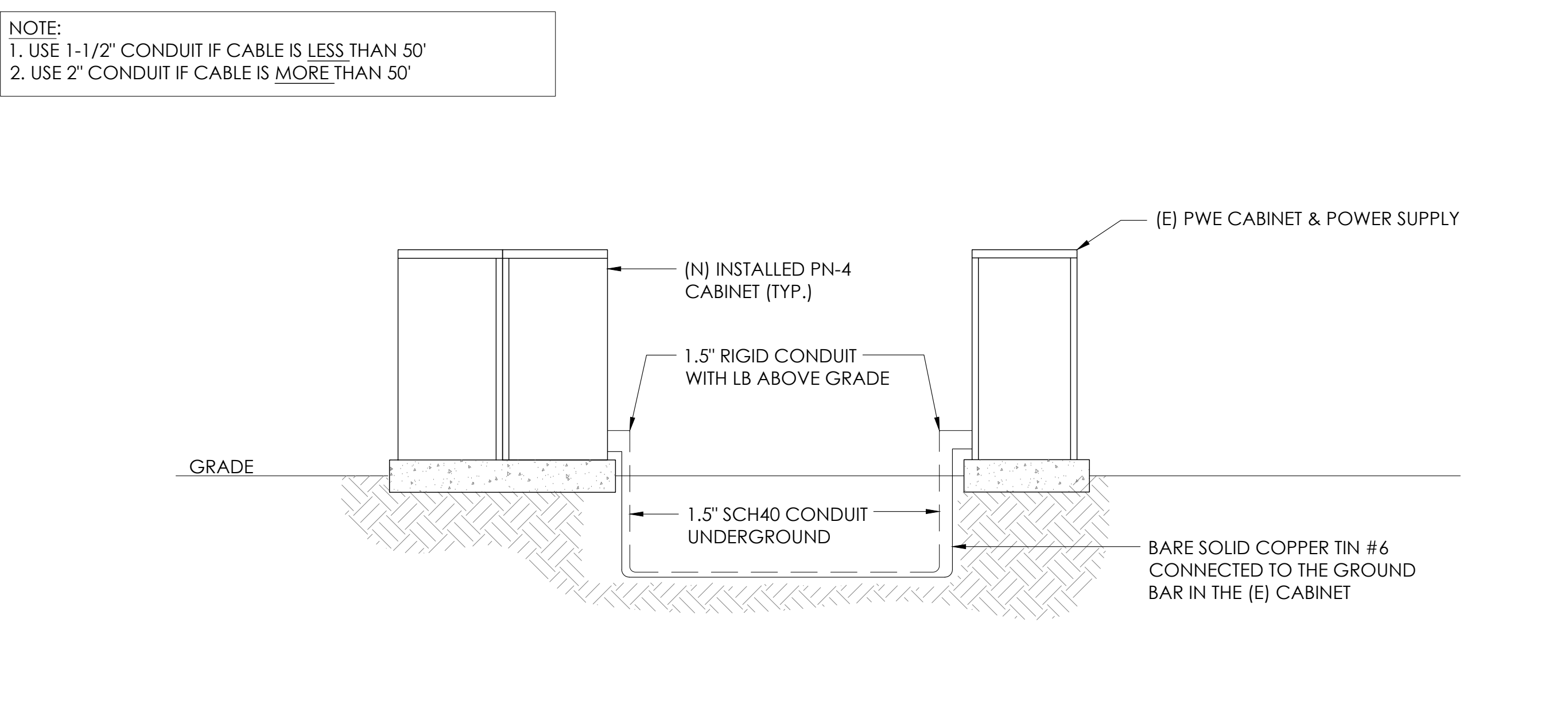
8 P4 CABINET INSTALLATION
N.T.S.



5 NOT USED
N.T.S.



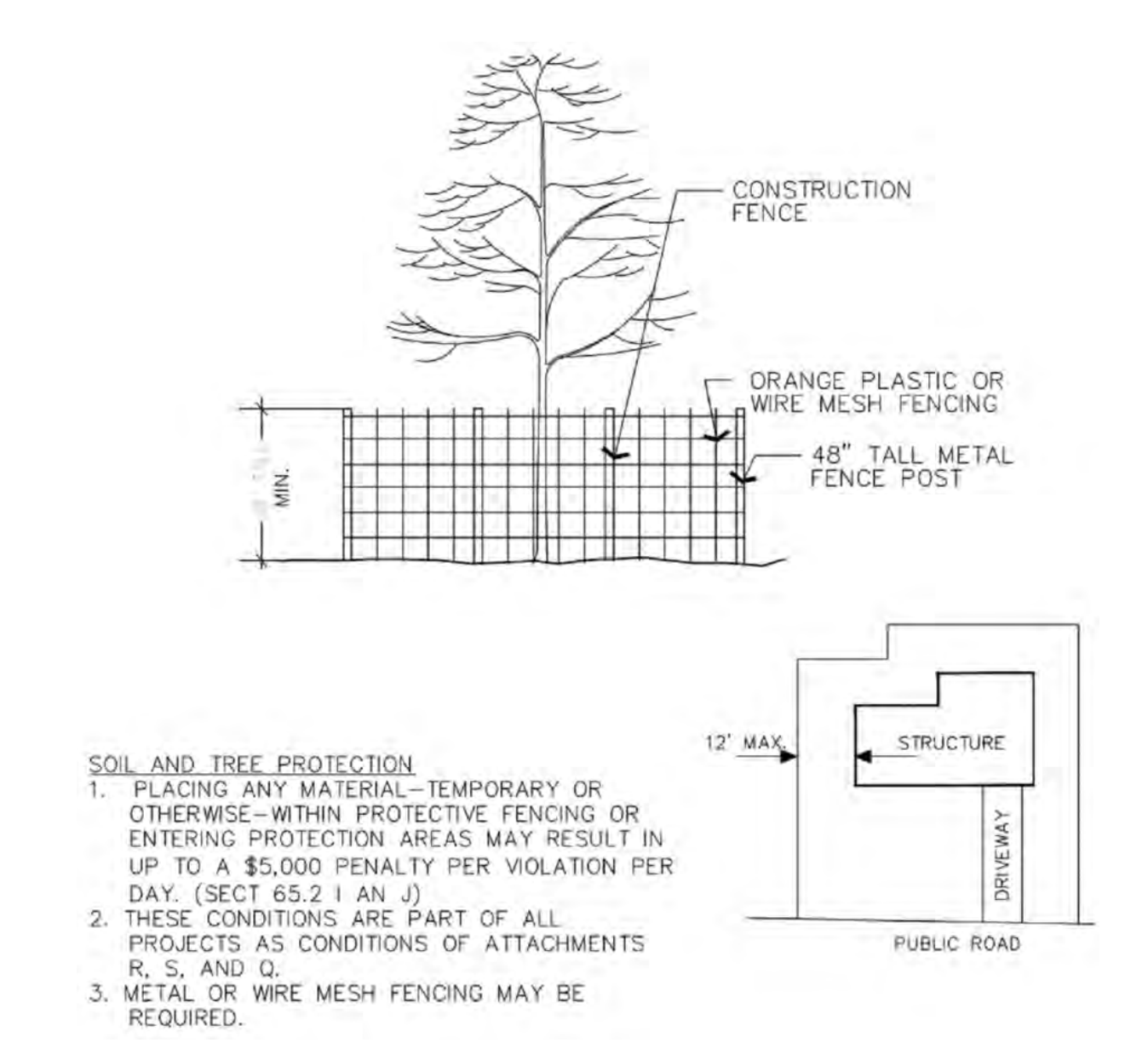
2 WEIGHTED COIR LOGS
N.T.S.



12 CONDUIT TO CABINET INSTALLATION
N.T.S.



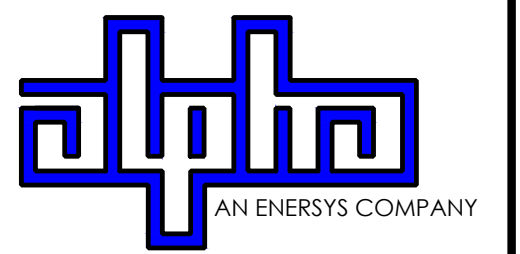
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



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CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

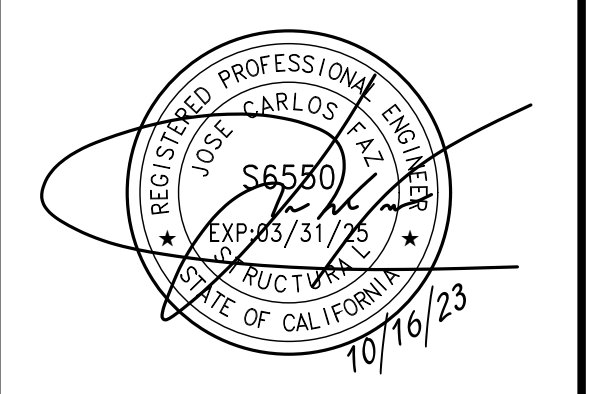
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058525

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	07/30/21	90% CD	KV
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	06/08/23	100% CD REV PER PPC#1	KB
4	09/28/23	SURVEY SHEET ADD	MZ

REV	DATE	DESCRIPTION	BY

SEAL



SITE INFORMATION

SITE ID:
ST120C_A

SITE ADDRESS:
3774 WOODBINE RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

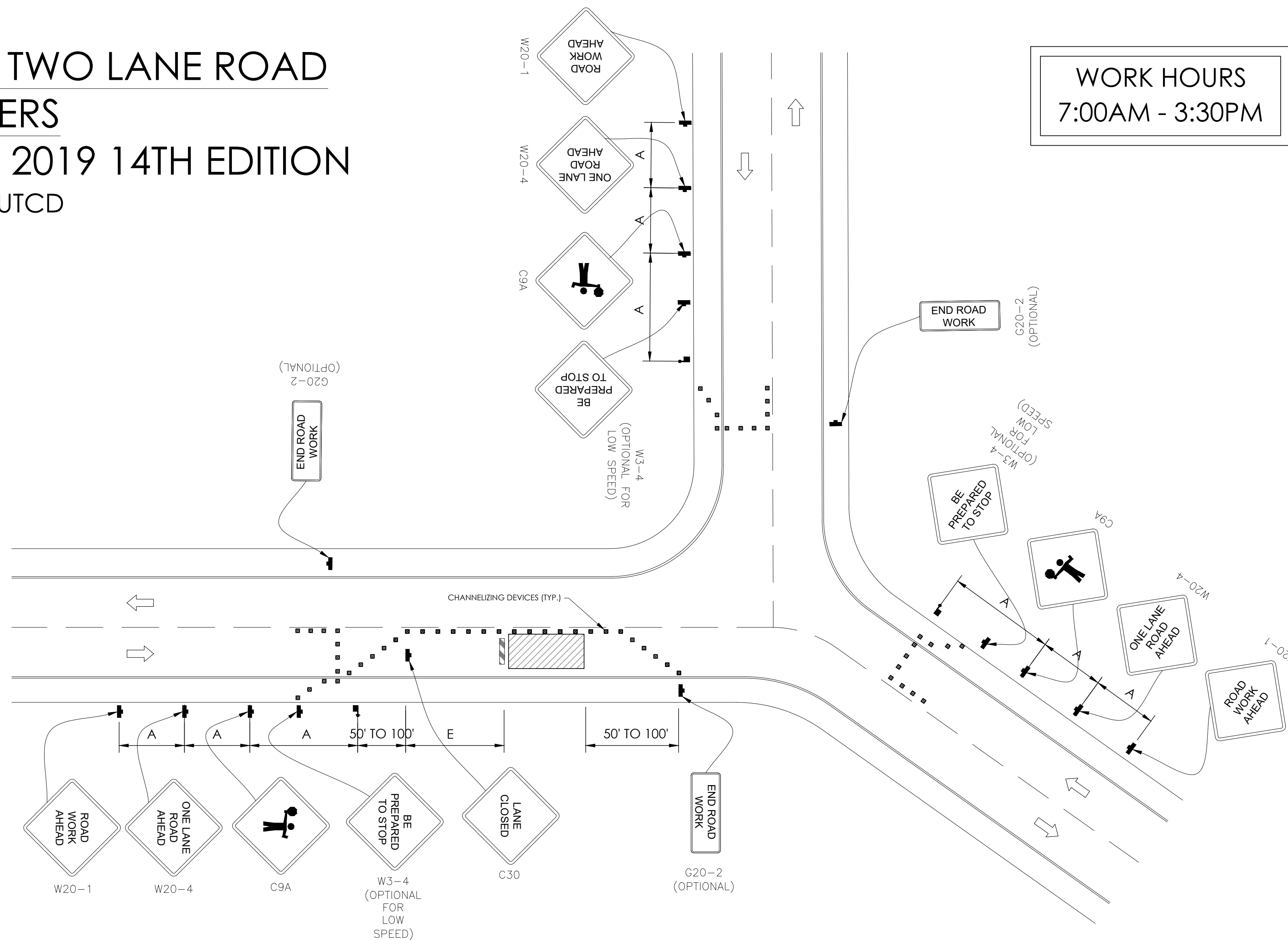
DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD INTERSECTION USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



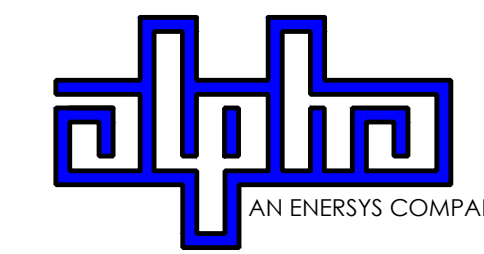
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14th EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

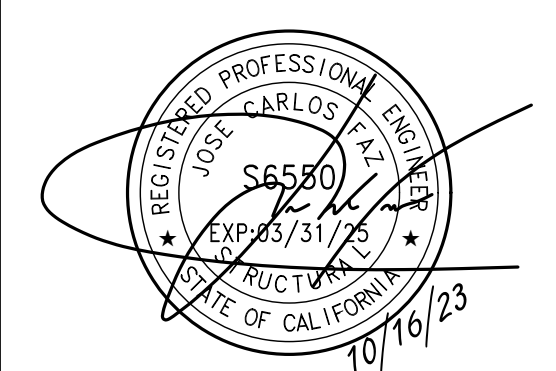


23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058525

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	07/20/21	90% CD	AN
B	07/30/21	90% CD	KV
0	08/28/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PPC#1	KB
3	06/08/23	100% CD REV PER PPC#1	KB
4	09/28/23	SURVEY SHEET ADD	MZ

SEAL



SITE INFORMATION

**SITE ID:
ST120C_A**

SITE ADDRESS:
3774 WOODBINE RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

EXISTING SITE PHOTO



LOCATION MAP

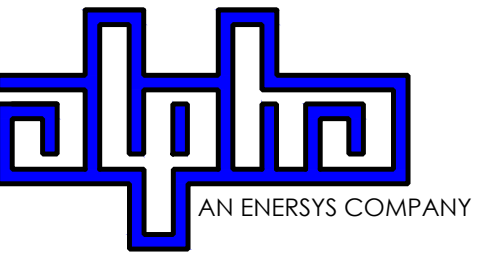


SITE ID: ST117B_A

SITE ADDRESS: 3914 SADDLE RD, SOUTH LAKE TAHOE, CA 96150



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069678

2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

SITE ADDRESS:	3914 SADDLE RD SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.93884674, -119.9370465
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	8
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	PROPOSED COVERAGE (CLASS 2) = 12 SF
CUT/FILL VOLUME:	0.5 C.Y.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
0	12/27/21	100% CD	BN
1	07/01/22	MODEL REDESIGN	MZ
2	12/05/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	06/22/23	100% CD REV PER PCC#3	ES
5	09/22/23	100% CD REVISION	JDJ

NOTE

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHEET D2.

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
A1	ENLARGED SITE PLANS & ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL
LS-1	SURVEY

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		

CODE COMPLIANCE

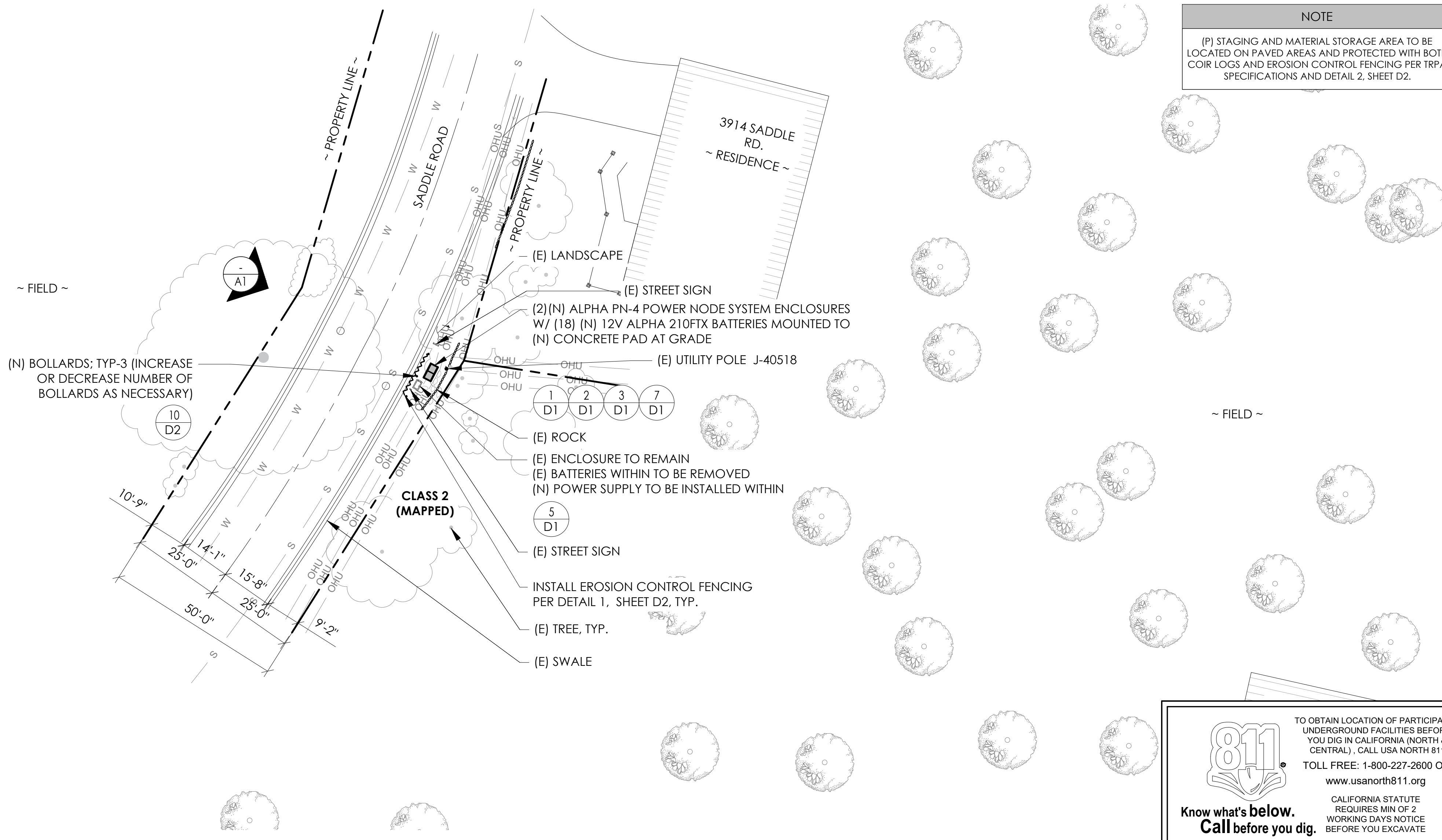
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.	PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 1 - CALIFORNIA ADMINISTRATIVE CODE	PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE	PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE	PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE	PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE	2. ANSITIA-222 (REV H)
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 INTERNATIONAL PLUMBING CODE	3. 2018 NFPA 101, LIFE SAFETY CODE
PART 6 - CALIFORNIA ENERGY CODE	4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
PART 7 - VACANT	5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



811

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811

TOLL FREE: 1-800-227-2600 OR www.usanorth811.org

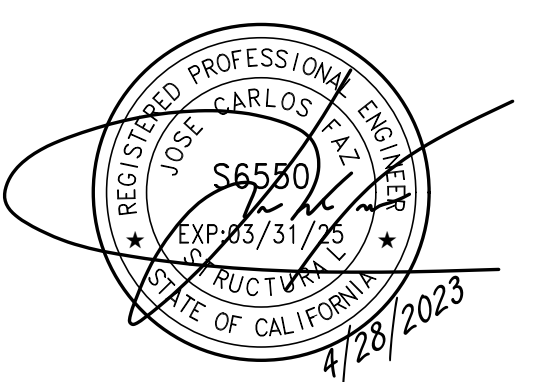
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

Know what's below. Call before you dig.

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"

SITE PLAN

SEAL



SITE INFORMATION

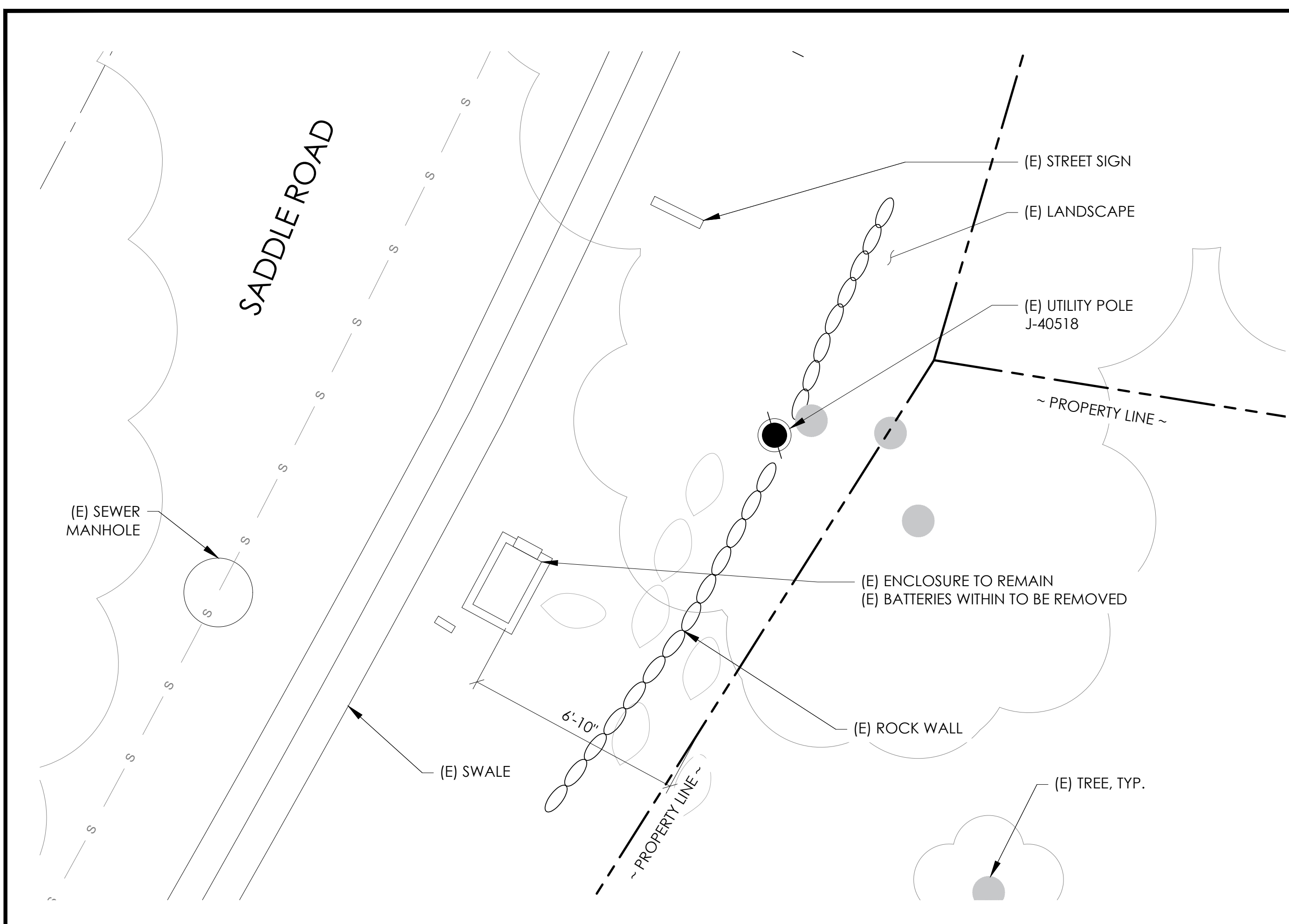
SITE ID: ST117B_A

SITE ADDRESS: 3914 SADDLE RD, SOUTH LAKE TAHOE, CA 96150

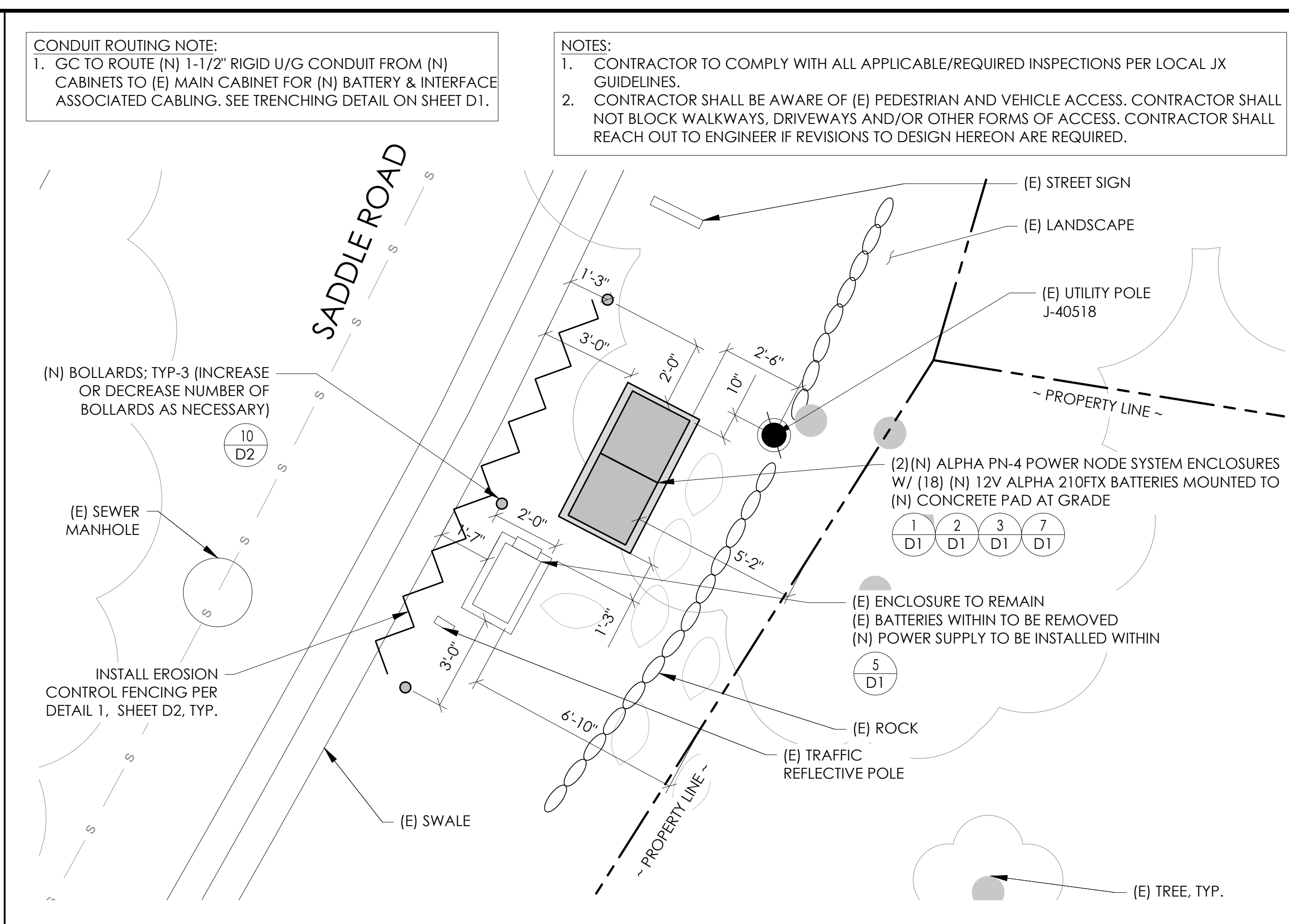
SHEET TITLE:

TITLE SHEET

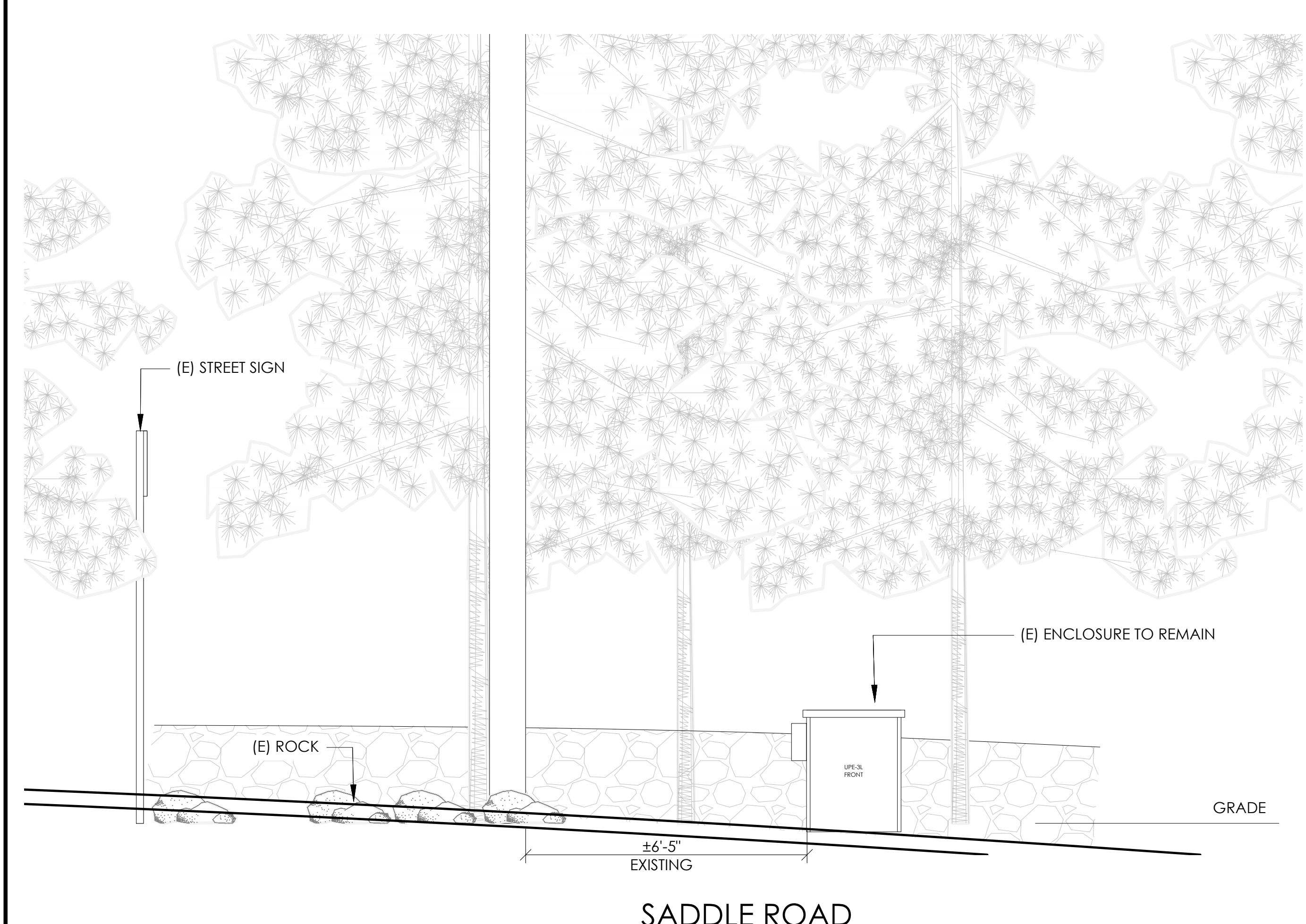
T1



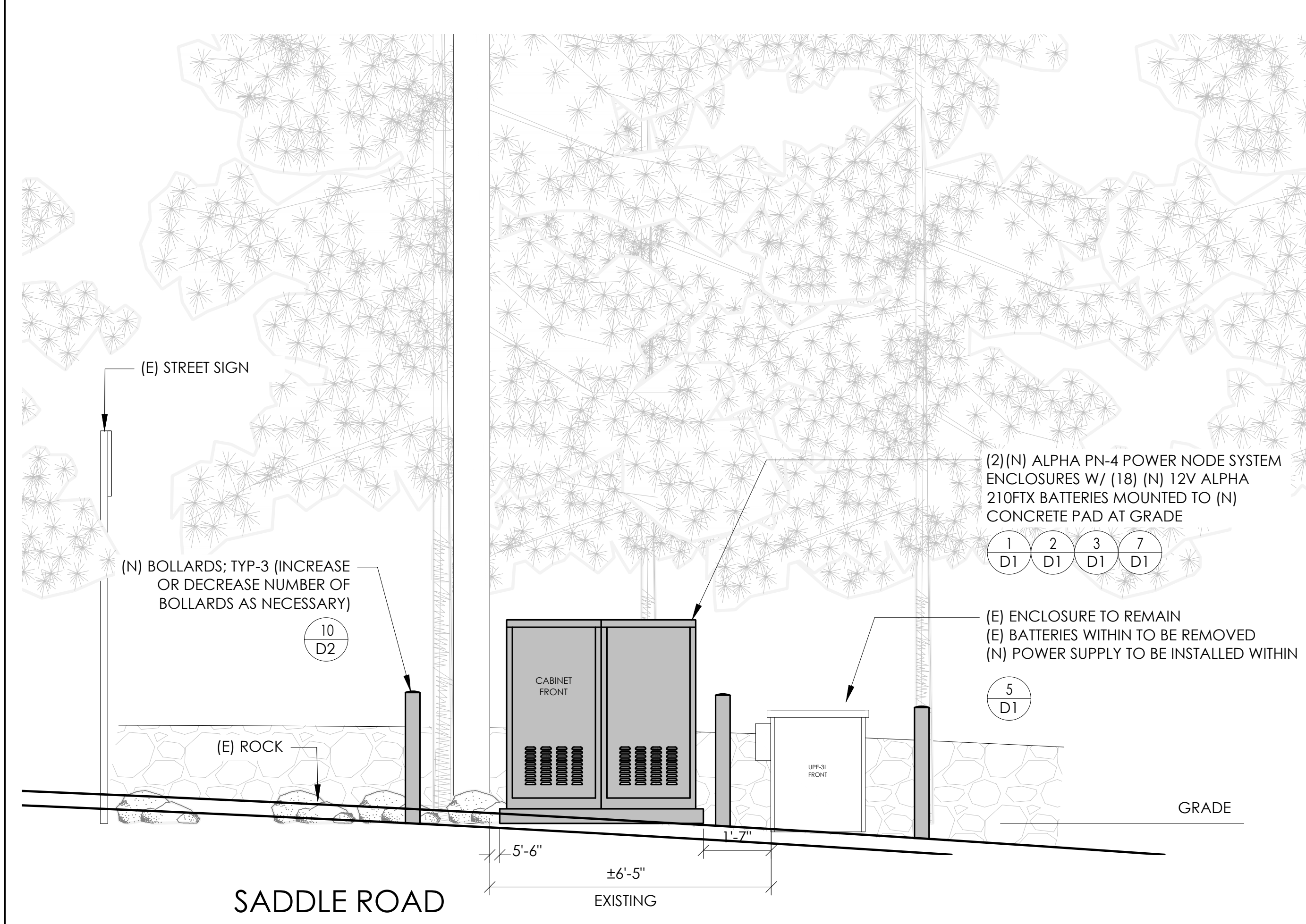
24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"
2' 1' 0" 2' NORTH 2



24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"
2' 1' 0" 2' NORTH 1



24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"
2' 1' 0" 2' NORTH 4



24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"
2' 1' 0" 2' NORTH 3



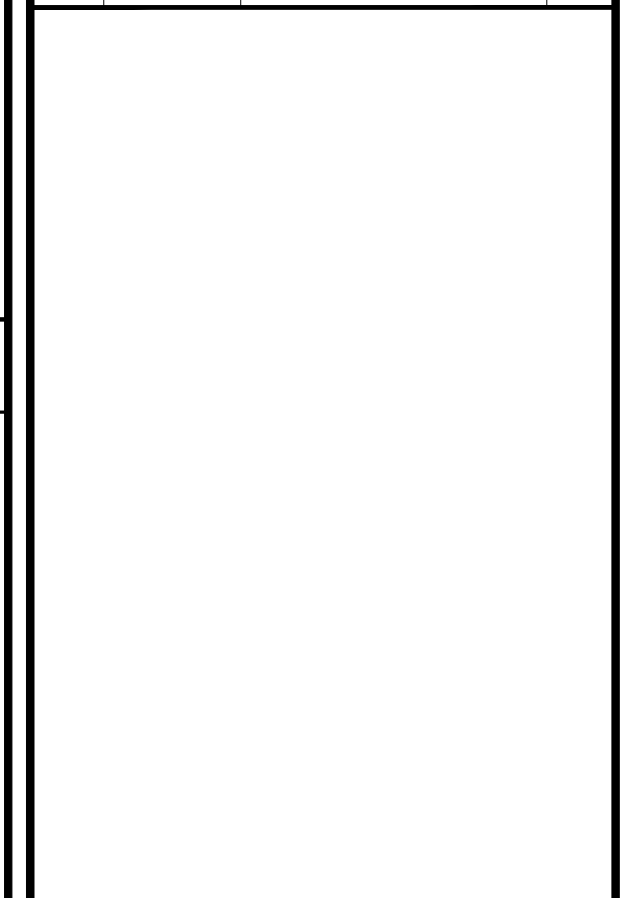
9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



J5 INFRASTRUCTURE
23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069678

ISSUE STATUS

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SEAL

SITE INFORMATION

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ST117B_A**

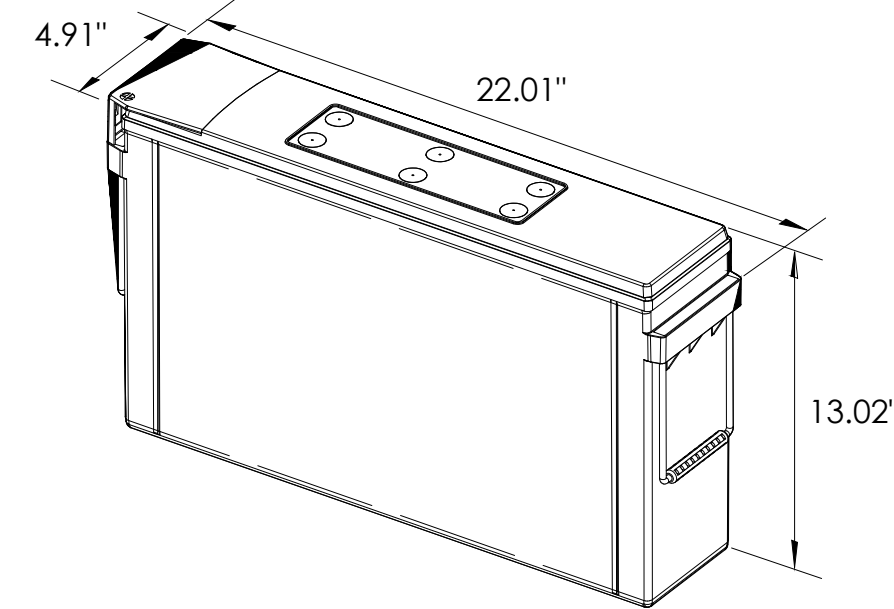
SITE ADDRESS:
3914 SADDLE RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
**ENLARGED SITE
PLANS & ELEVATIONS**

A1



ALPHA 210 FIX BATTERY UNIT



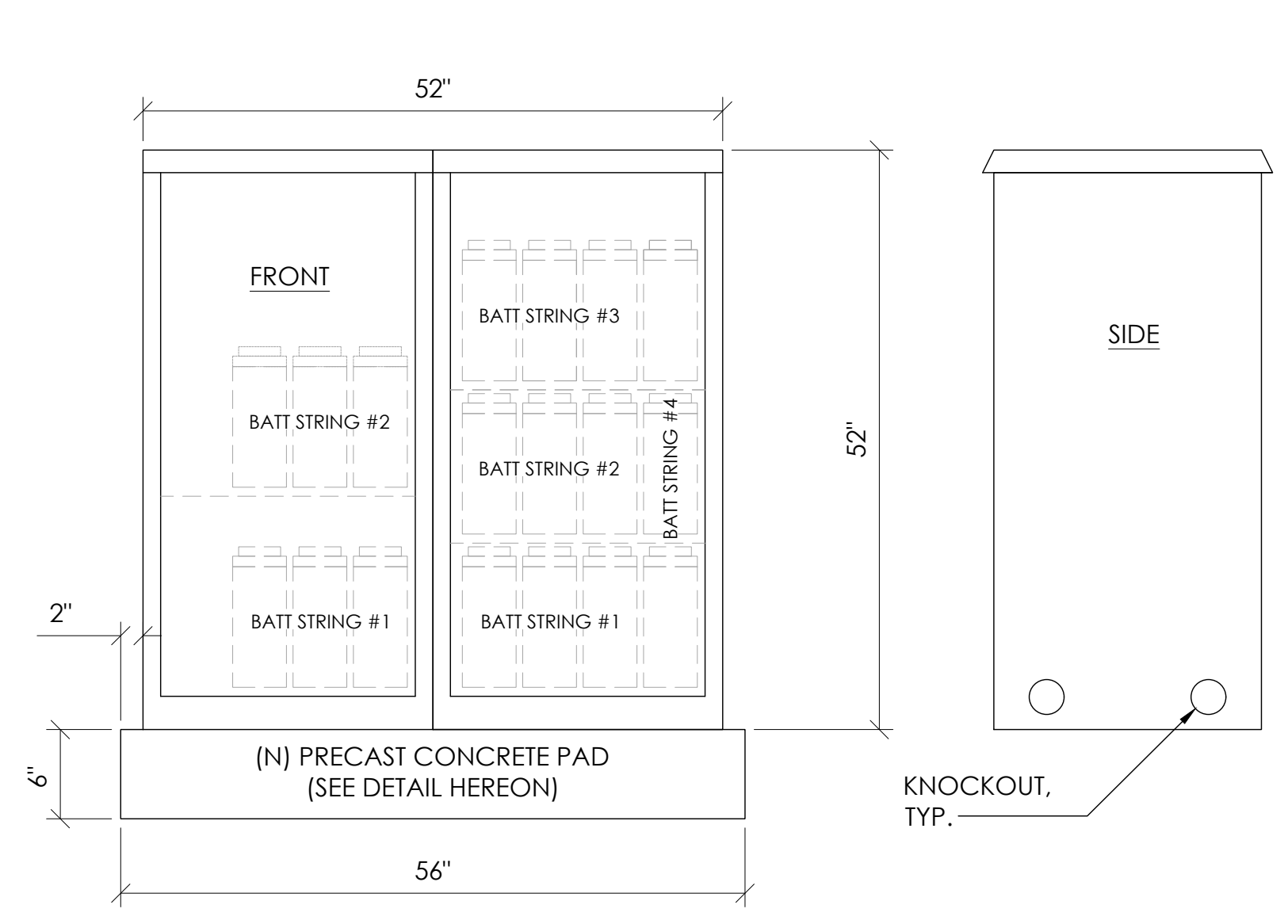
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

7 BATTERY SPECIFICATIONS
N.T.S.

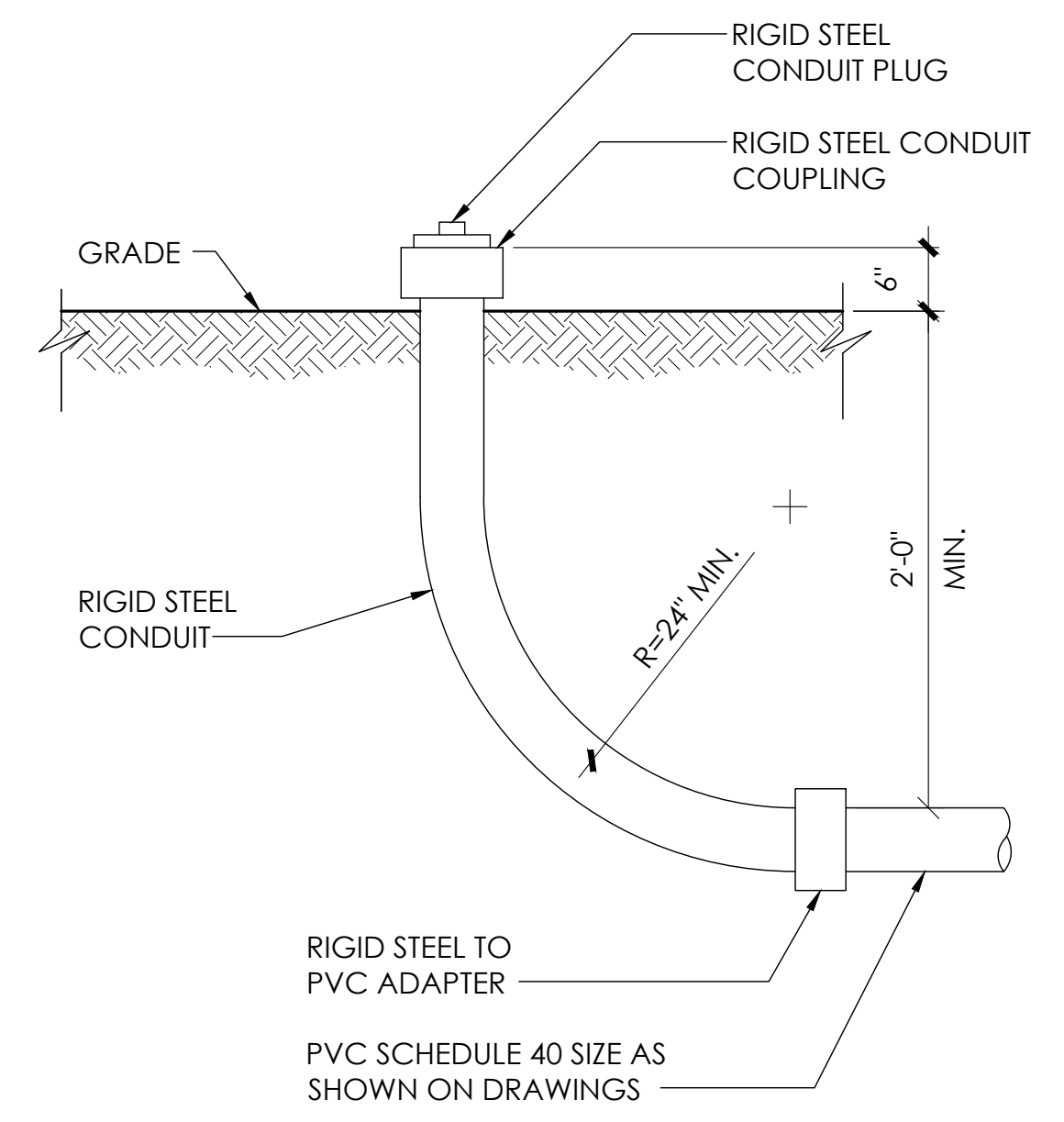


CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM

BATTERY CONFIGURATION:
CABINET #1: (4) BATTERY STRINGS
CABINET #2: (2) BATTERY STRINGS

1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



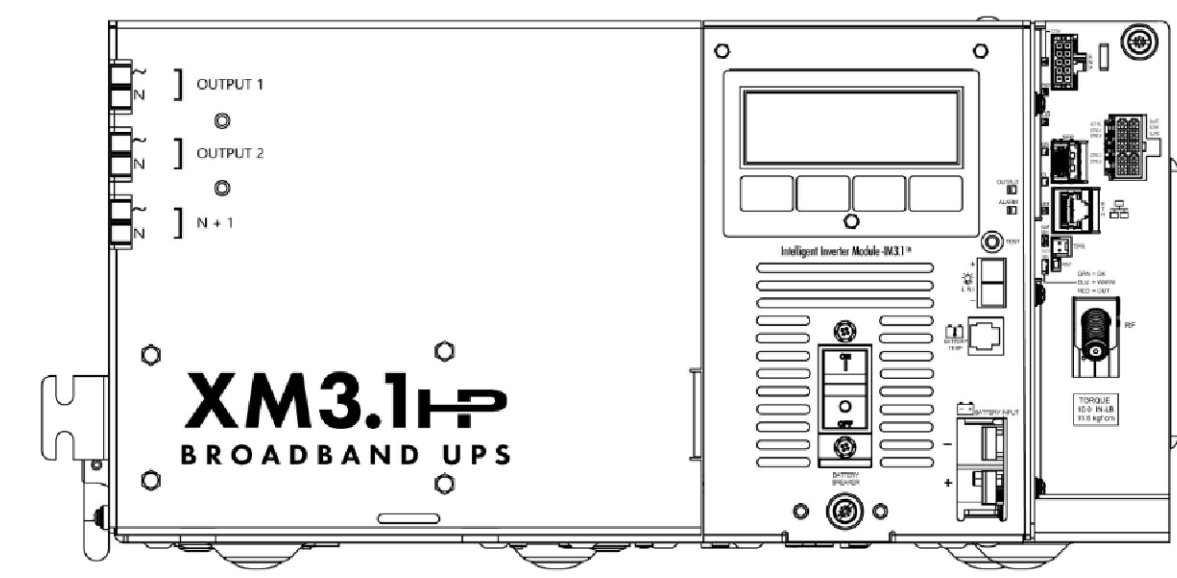
8 STUB-UP DETAIL
N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

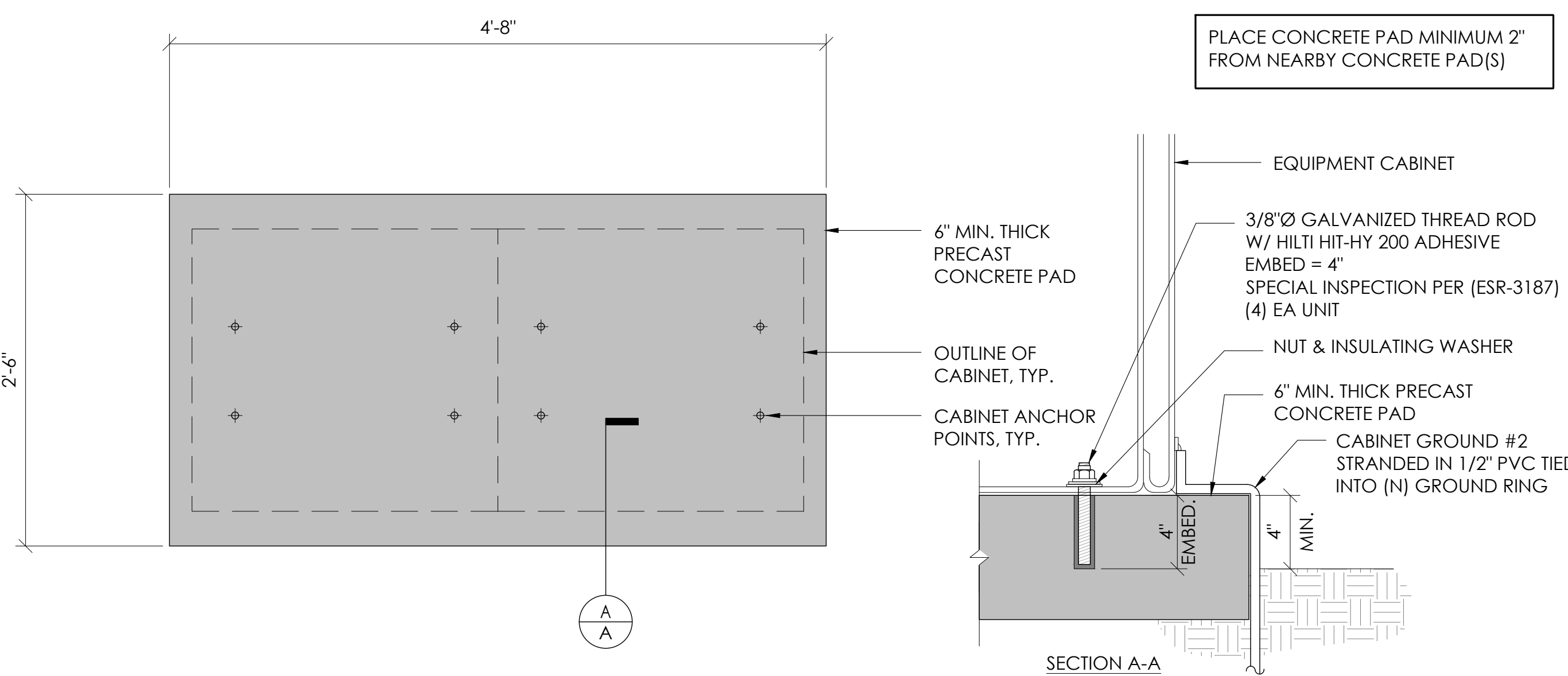
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

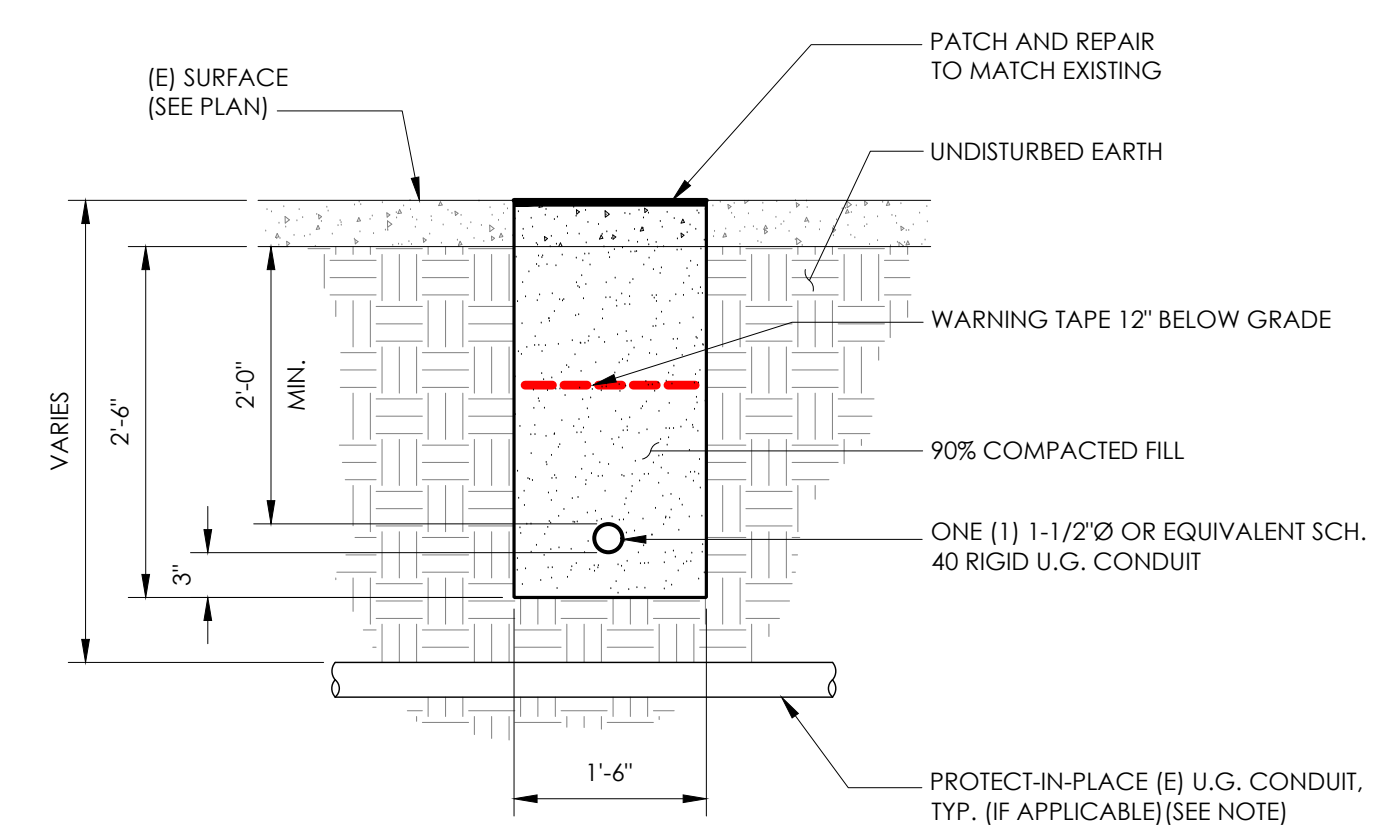


5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

LIGHTNING PROTECTION (OPTIONAL)

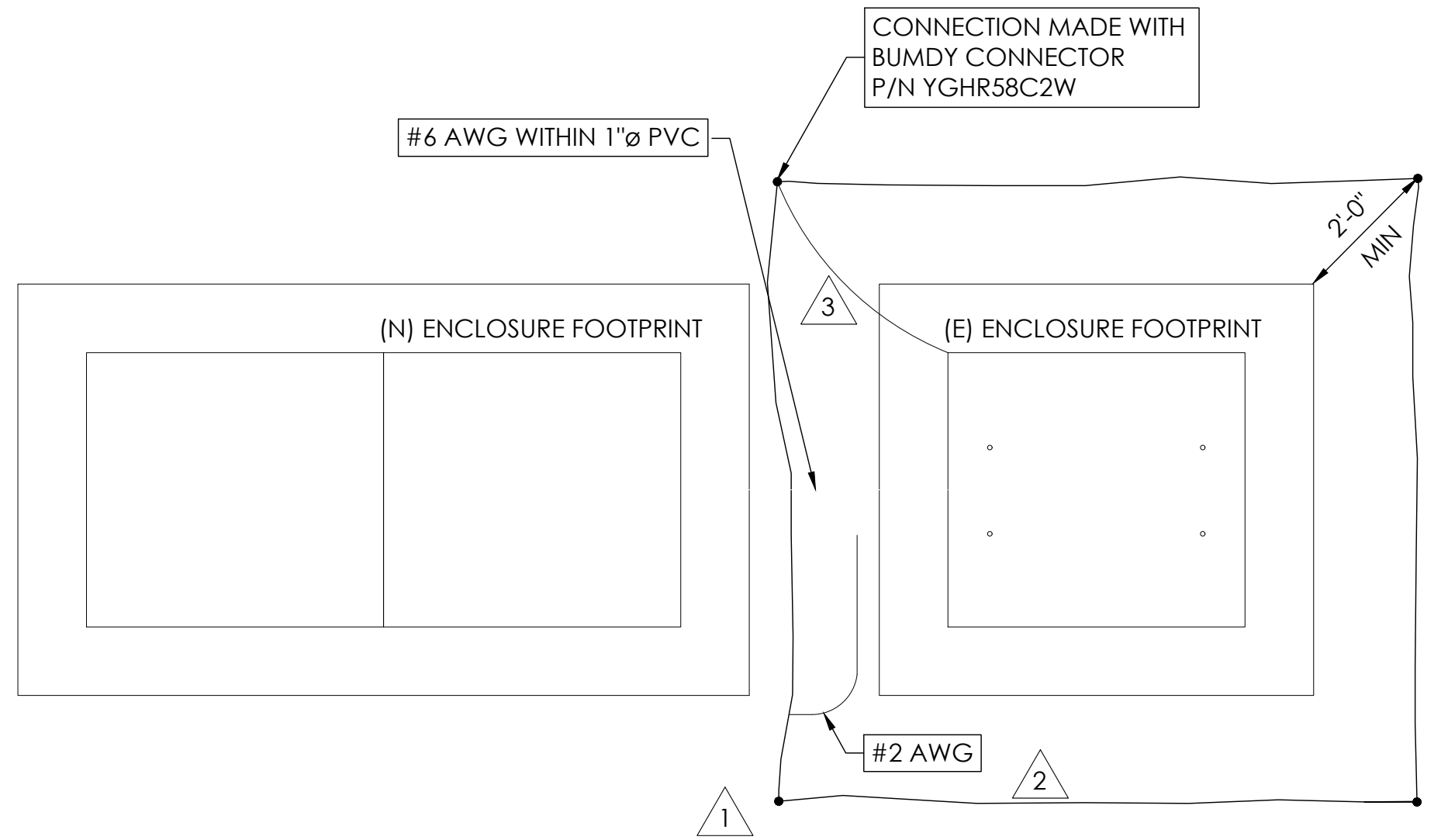
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

SERVICE GROUNDING (REQUIRED)

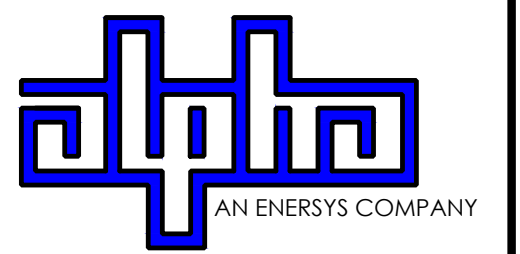
- #6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND. INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

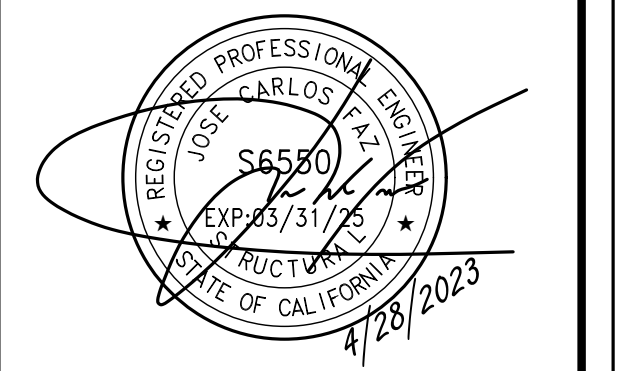


23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069678

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5	09/22/23	100% CD REVISION	JDJ

SEAL



SITE INFORMATION

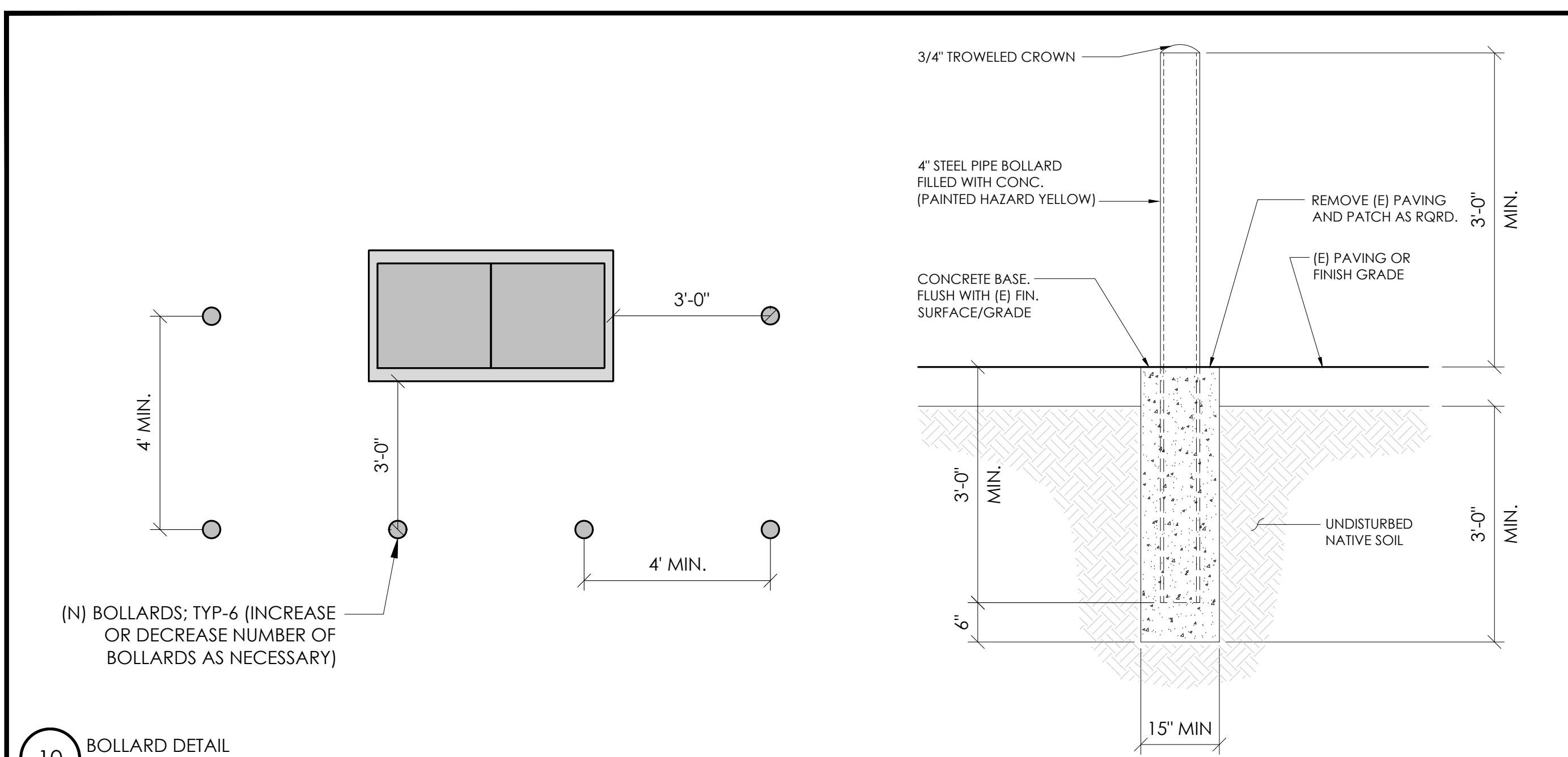
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96150

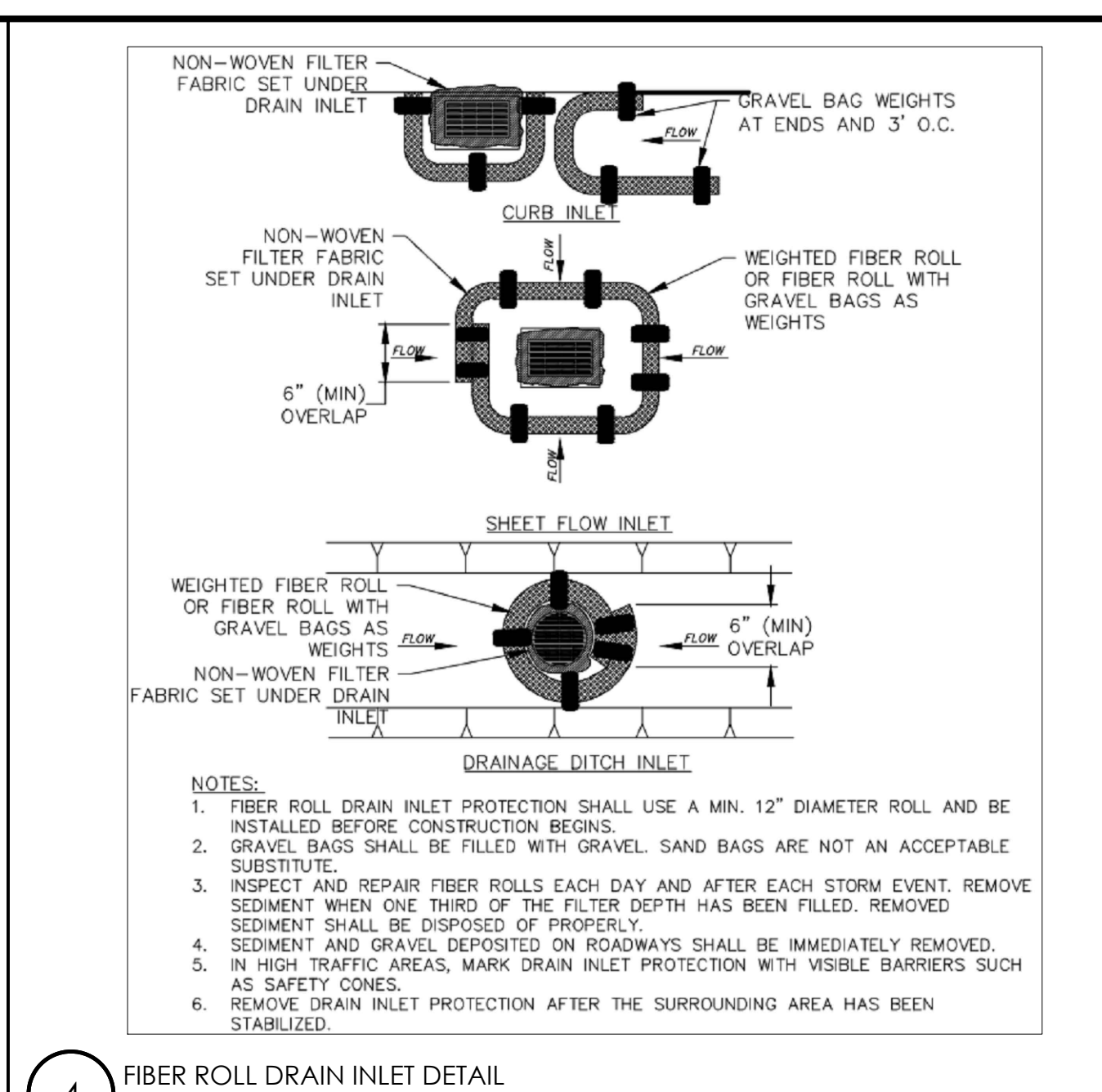
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DETAILS

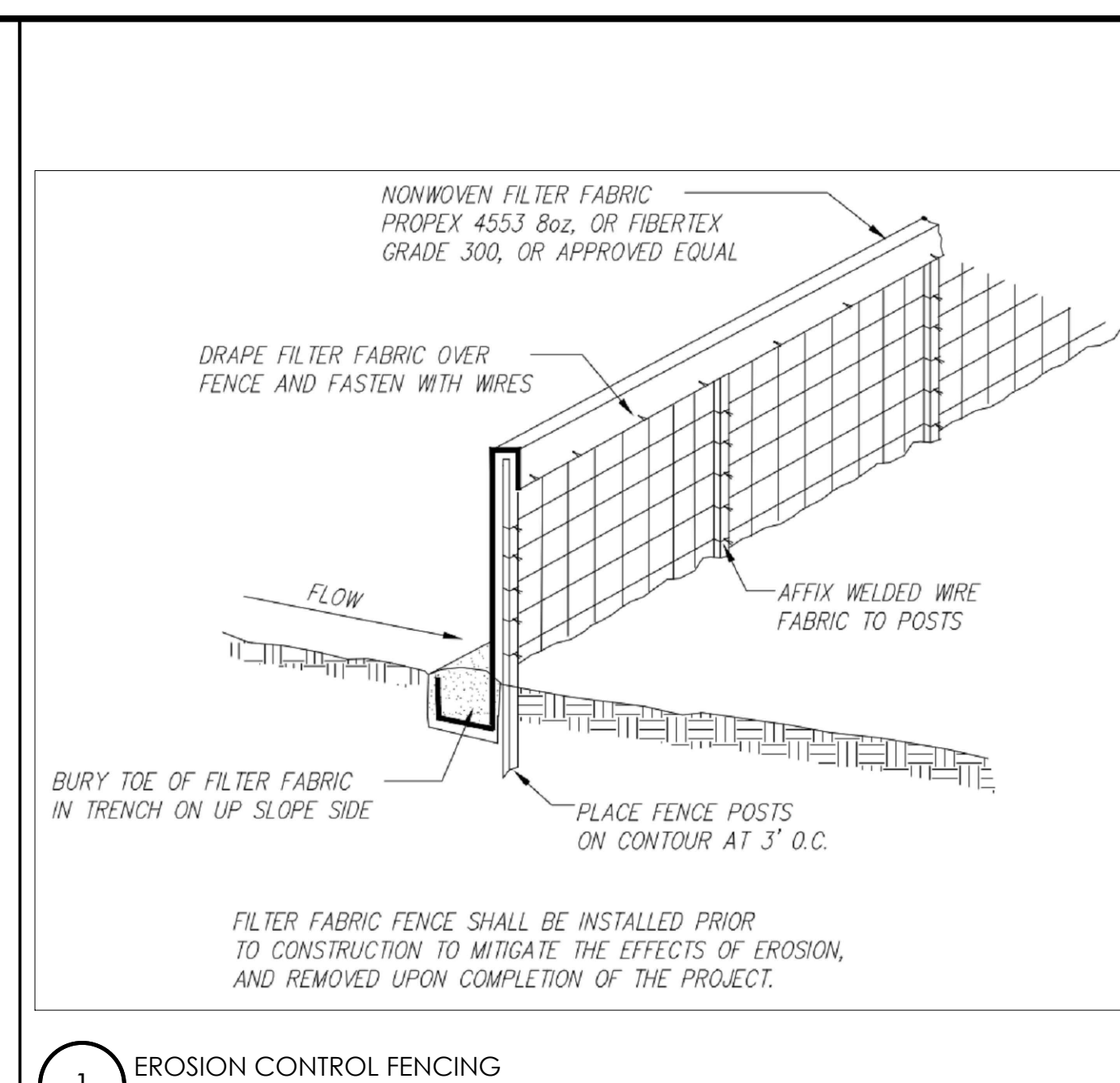
D1



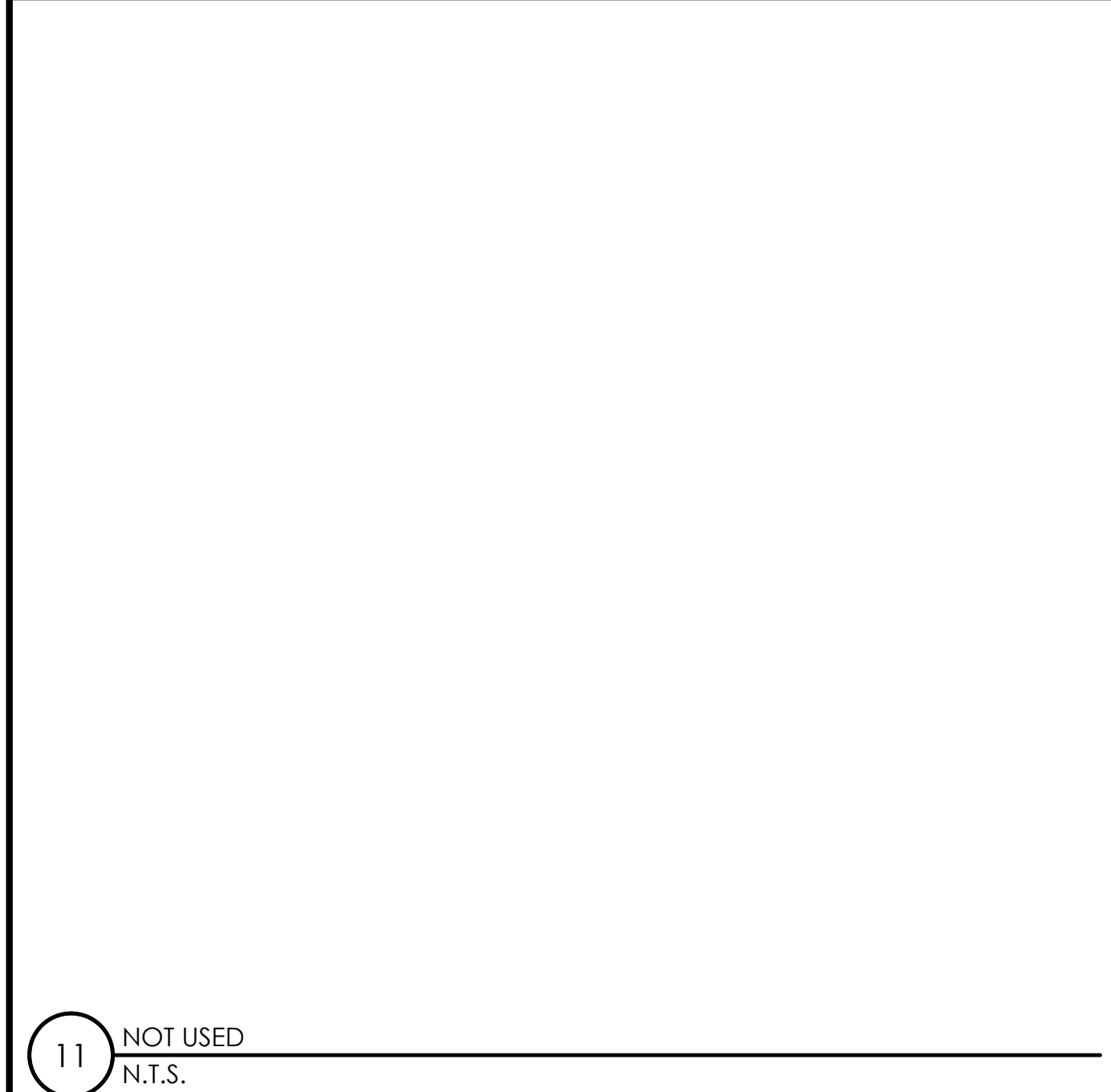
10 BOLLARD DETAIL
N.T.S.



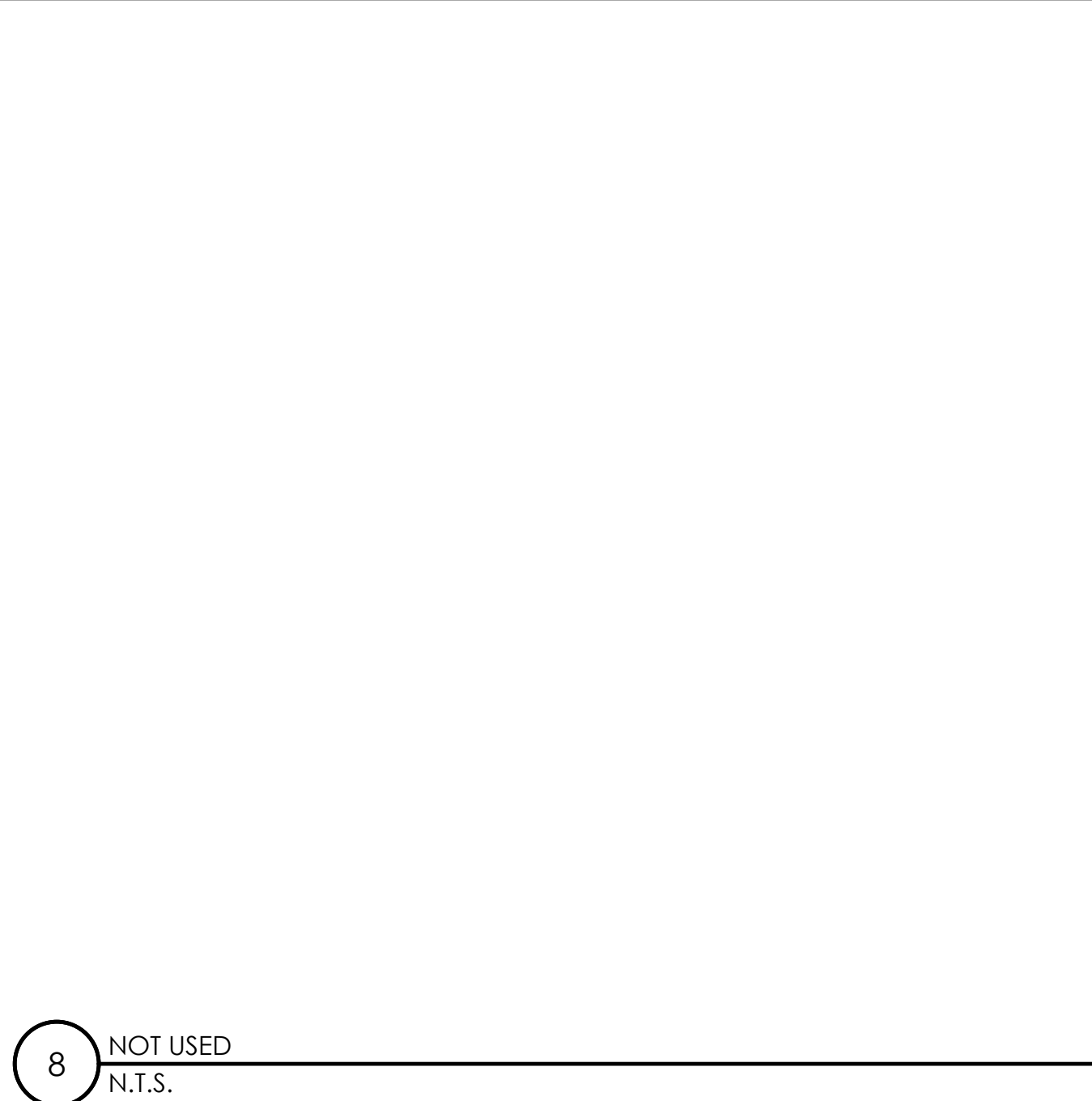
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



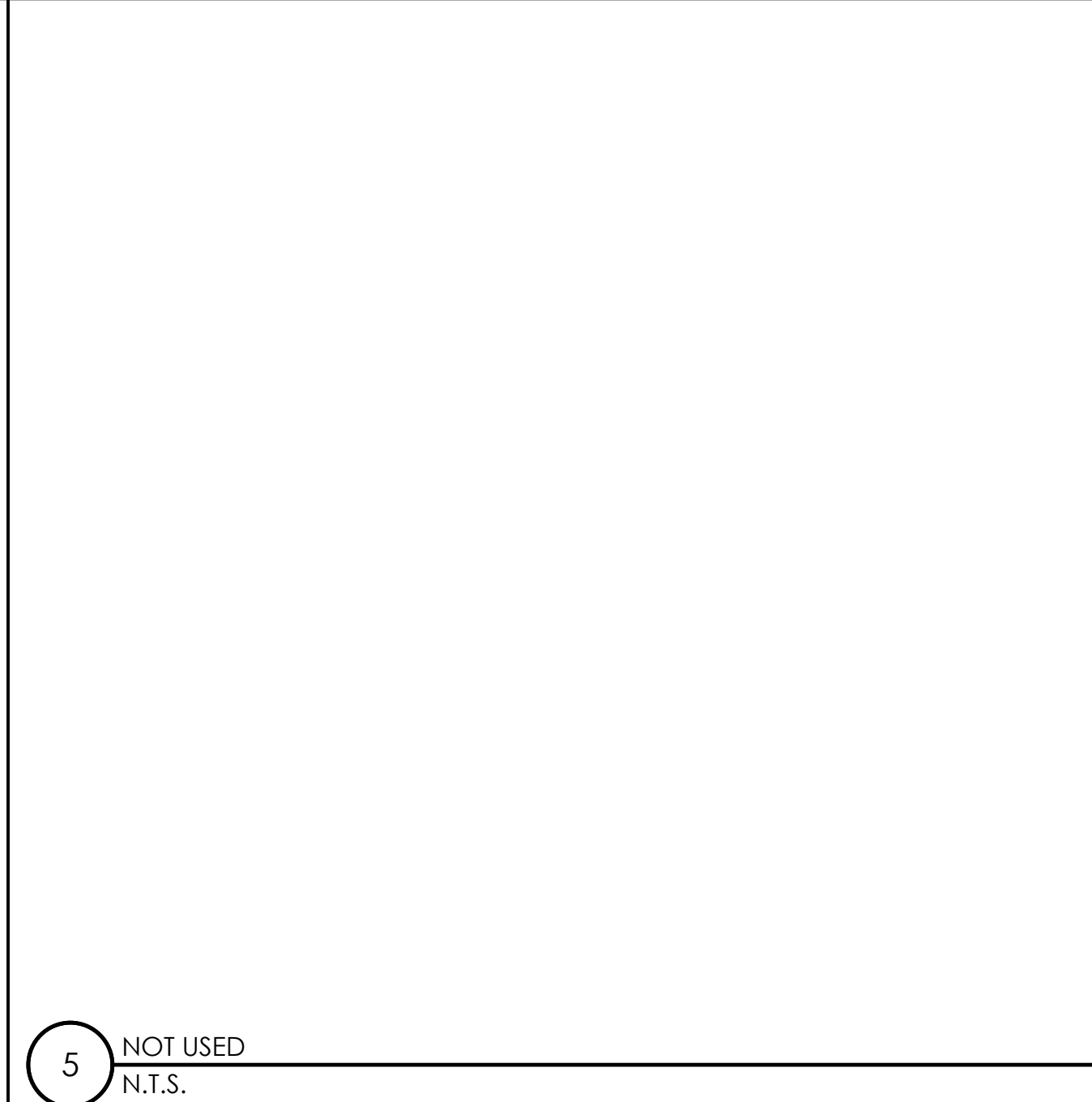
1 EROSION CONTROL FENCING
N.T.S.



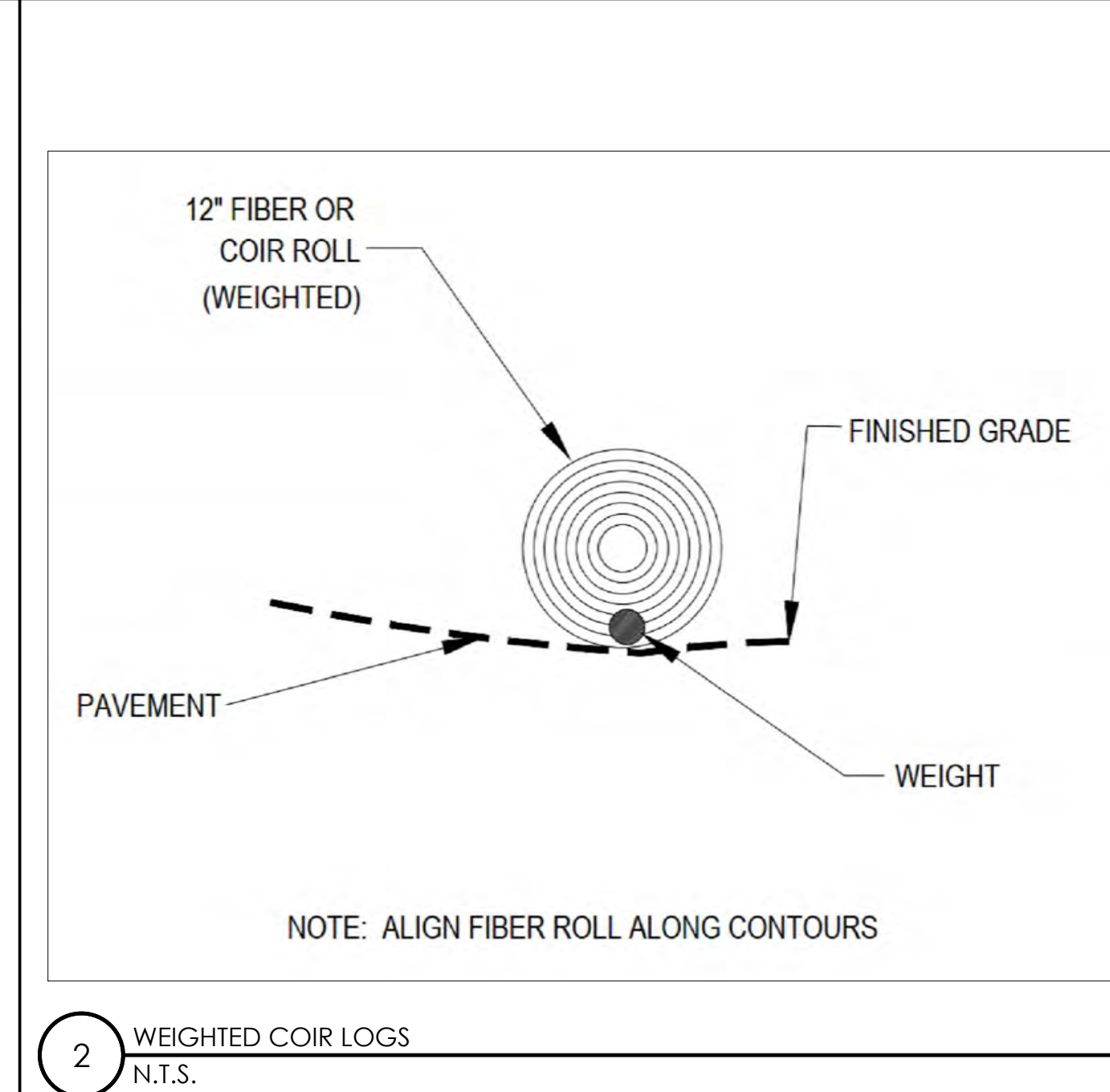
11 NOT USED
N.T.S.



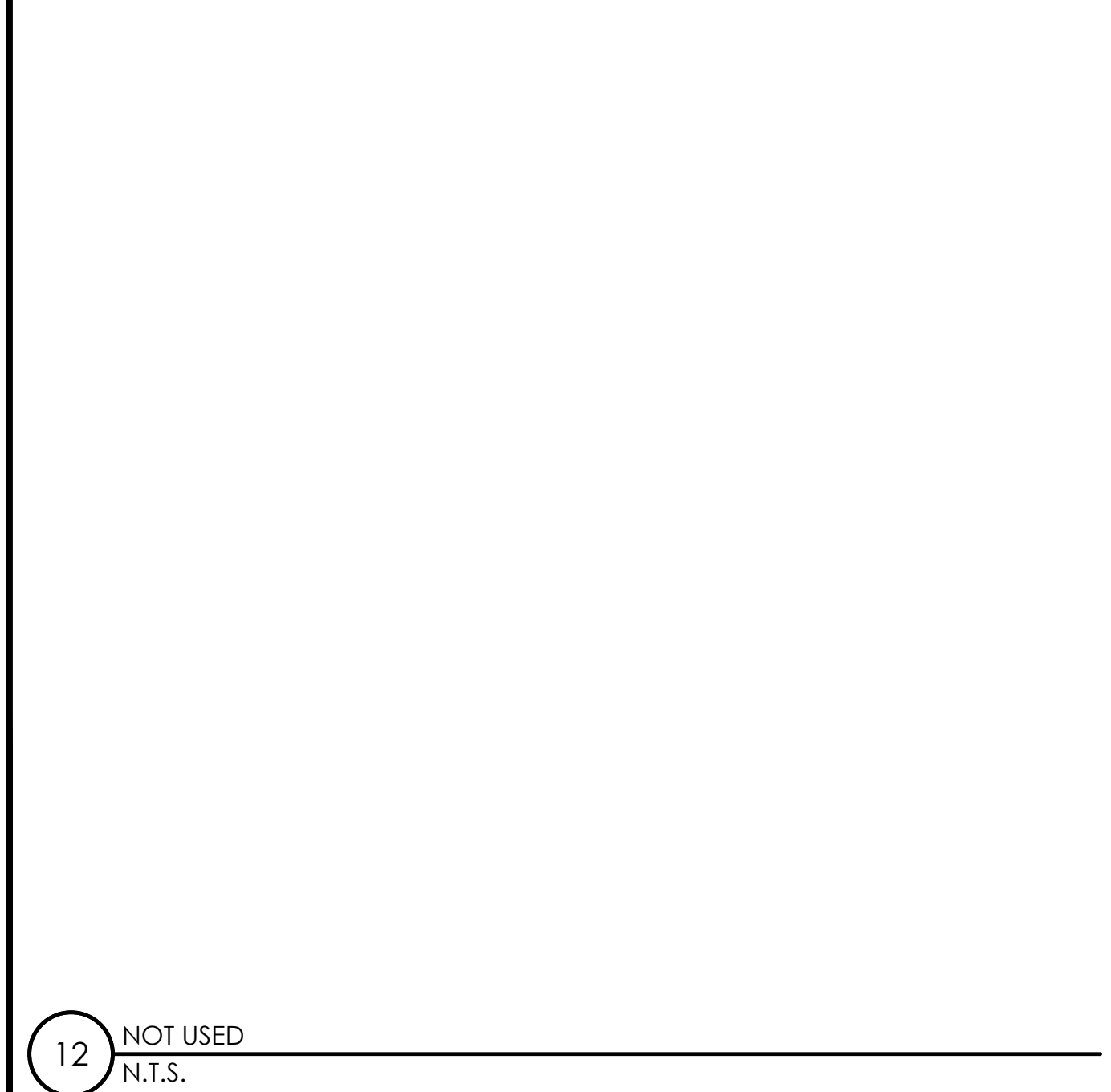
8 NOT USED
N.T.S.



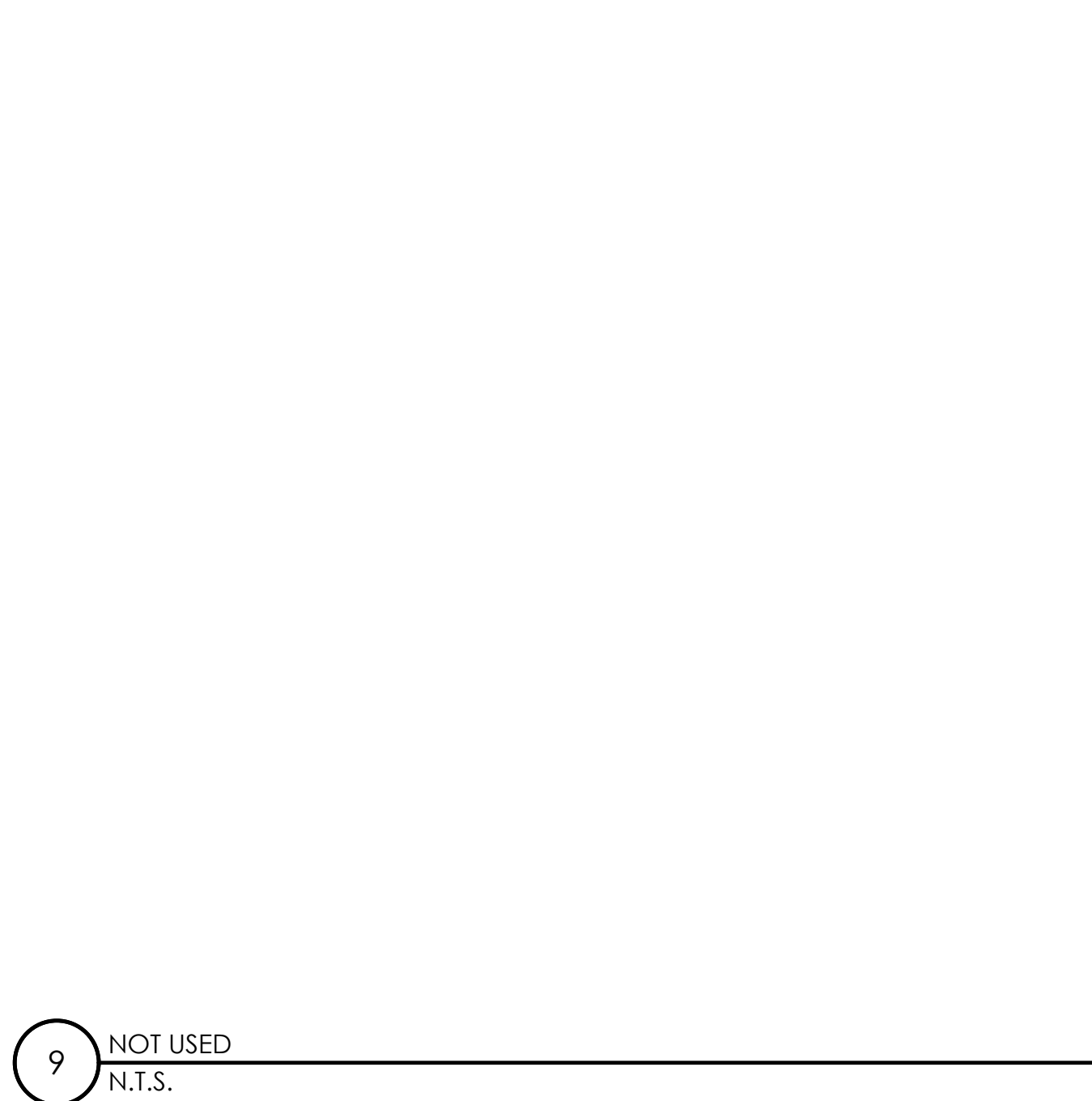
5 NOT USED
N.T.S.



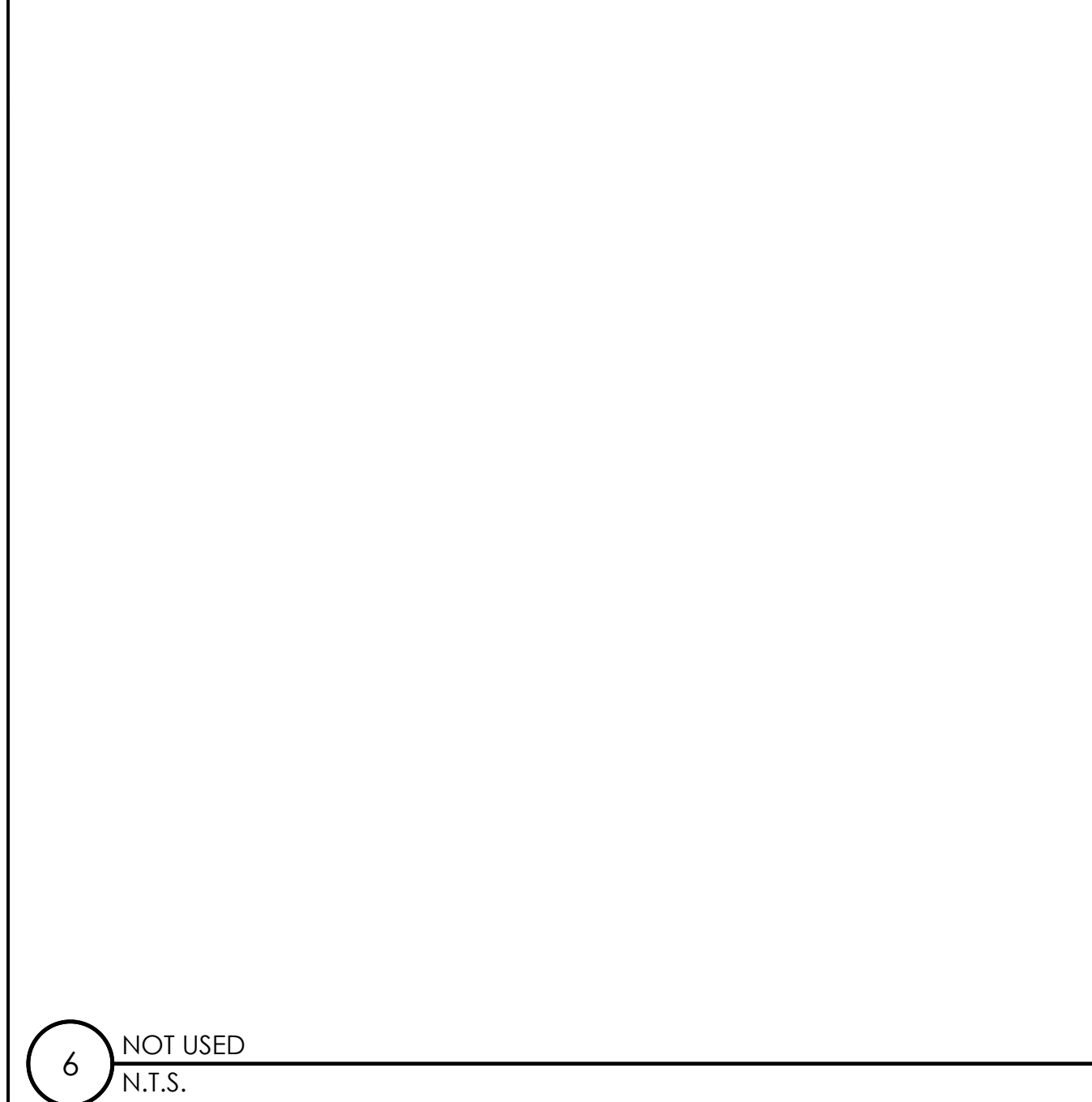
2 WEIGHTED COIR LOGS
N.T.S.



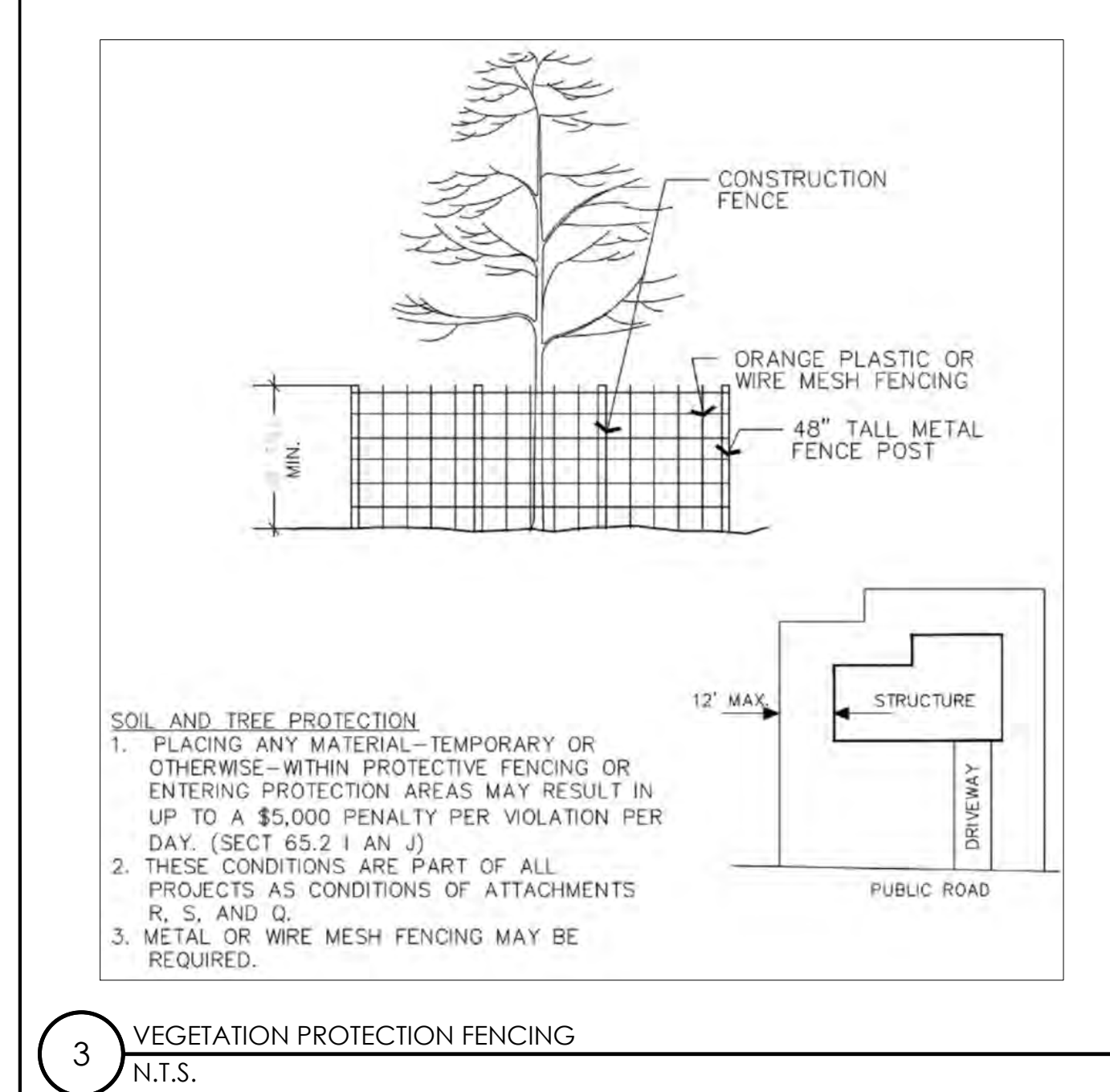
12 NOT USED
N.T.S.



9 NOT USED
N.T.S.



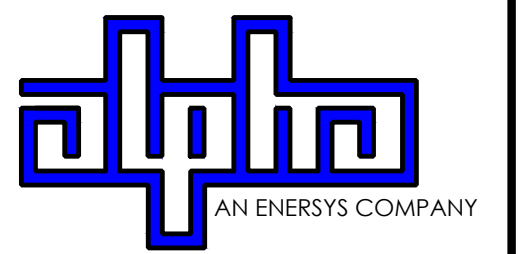
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
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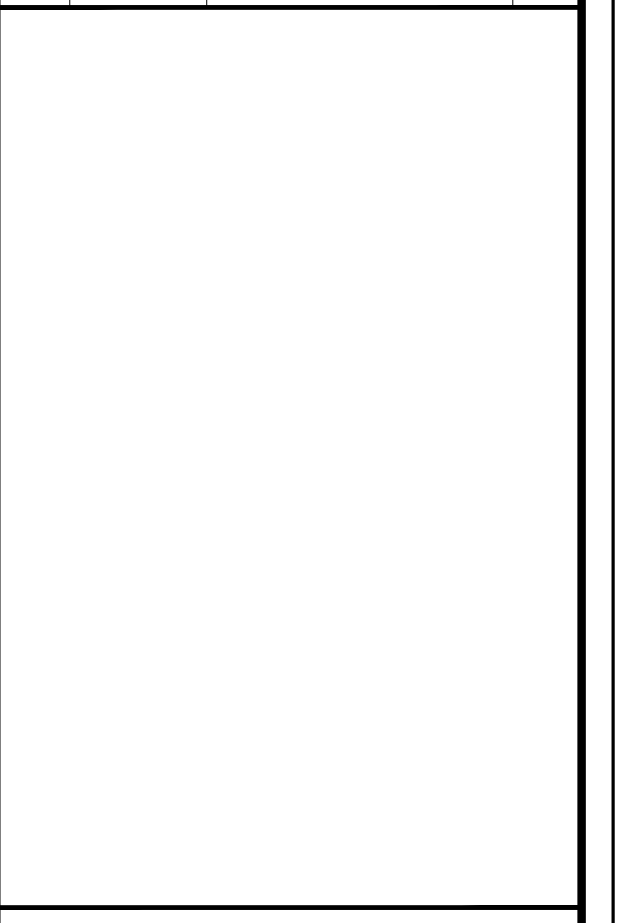


23 MAUCHLY, STE 110
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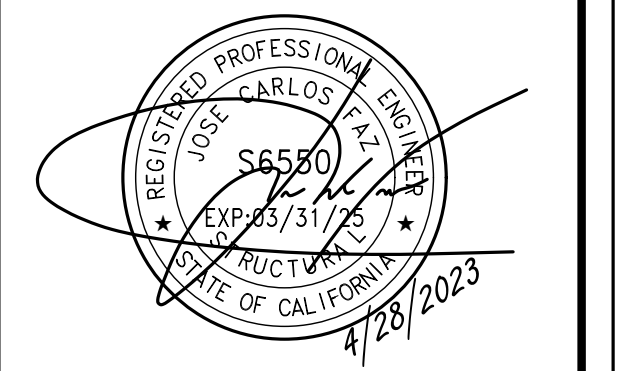
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SEAL



SITE INFORMATION

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ST117B_A

SITE ADDRESS:
3914 SADDLE RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

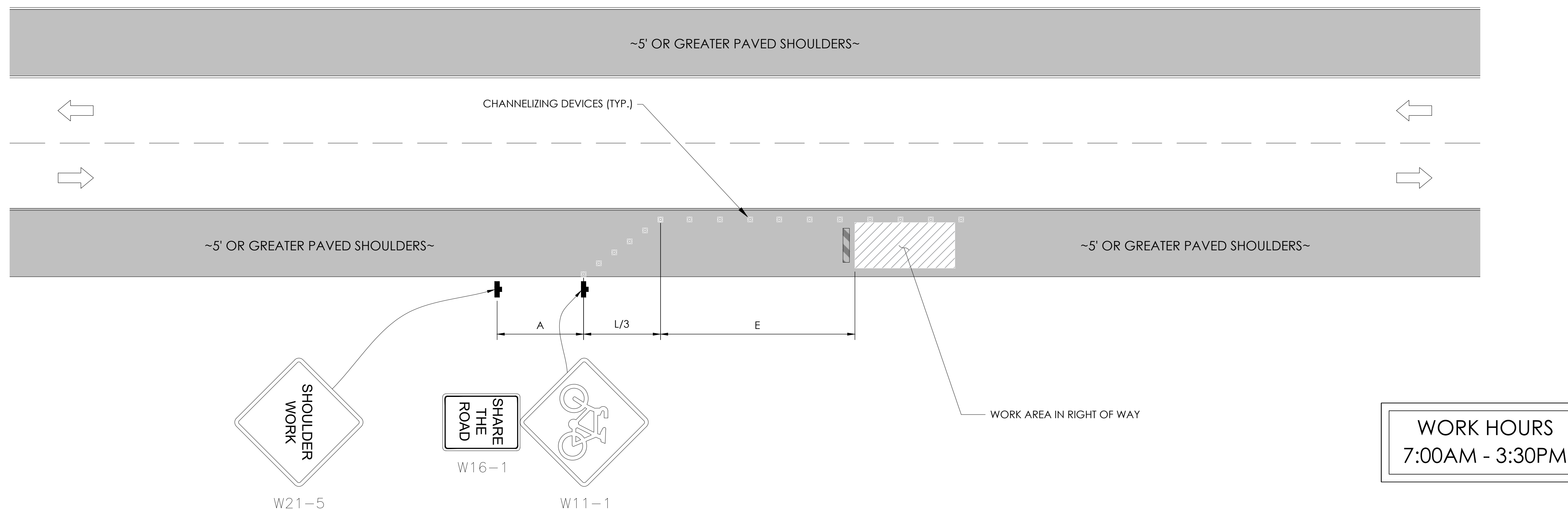
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



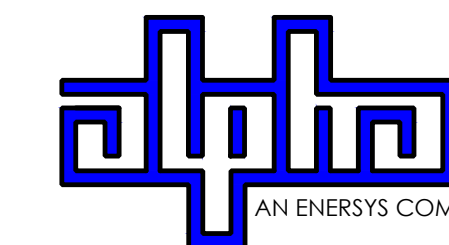
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



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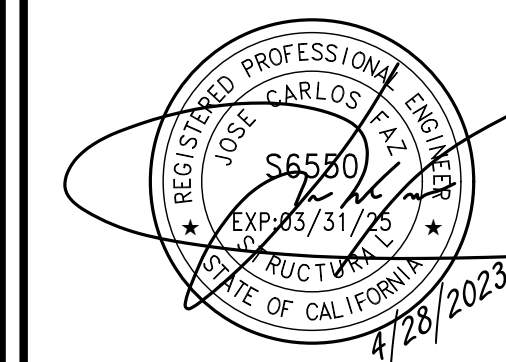
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SEAL



SITE INFORMATION

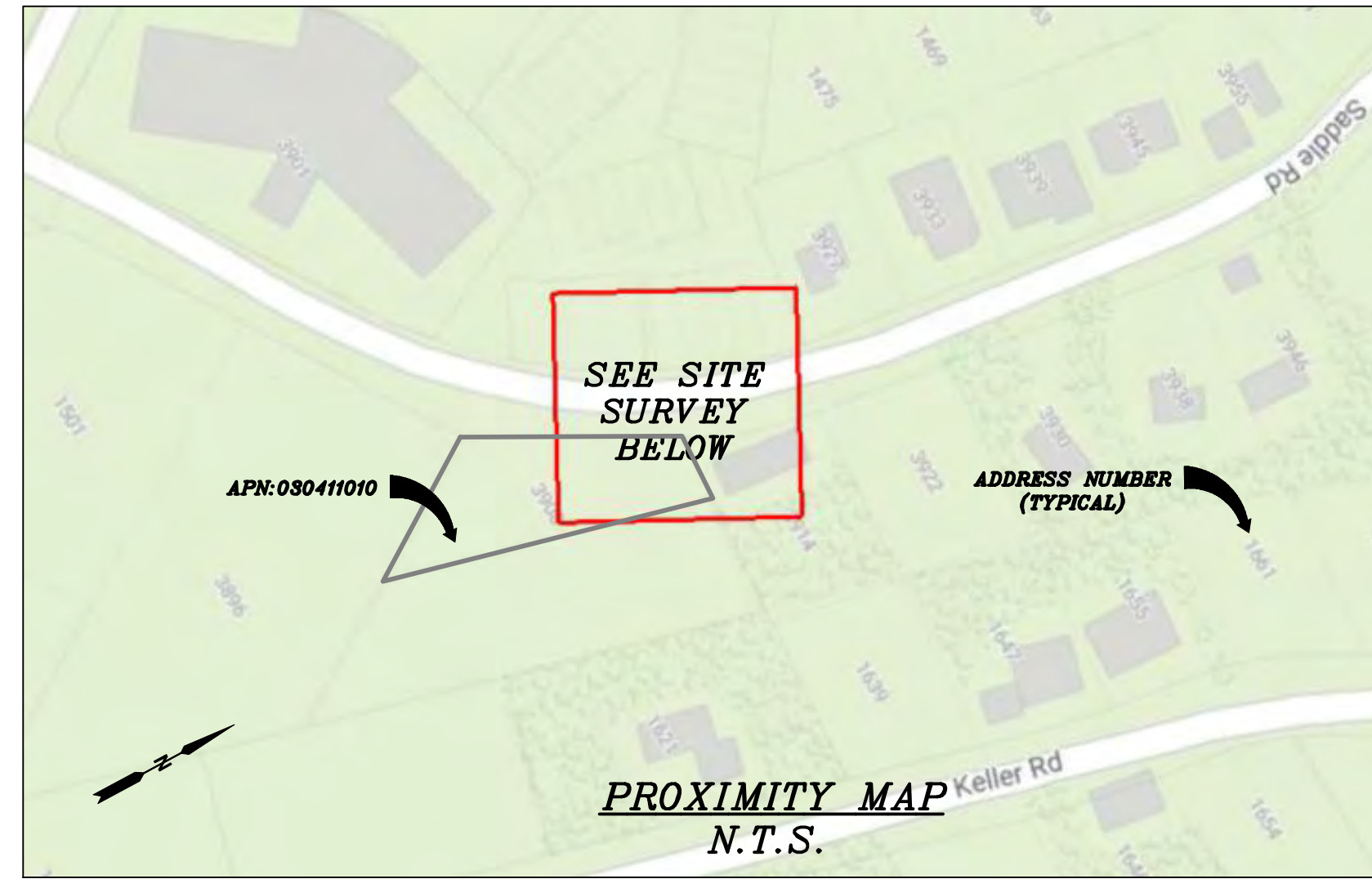
**SITE ID:
ST117B_A**

SITE ADDRESS:
3914 SADDLE RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

Eaton Land Surveying, Inc.
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/23/23	SUBMITTAL



PROJECT INFORMATION:
ST117B_A
3914 SADDLE RD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/24/2023

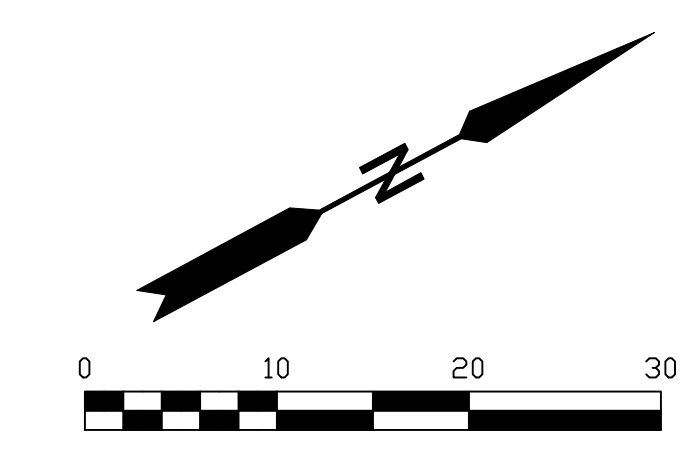
BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0385E, DATED 09/26/2008.

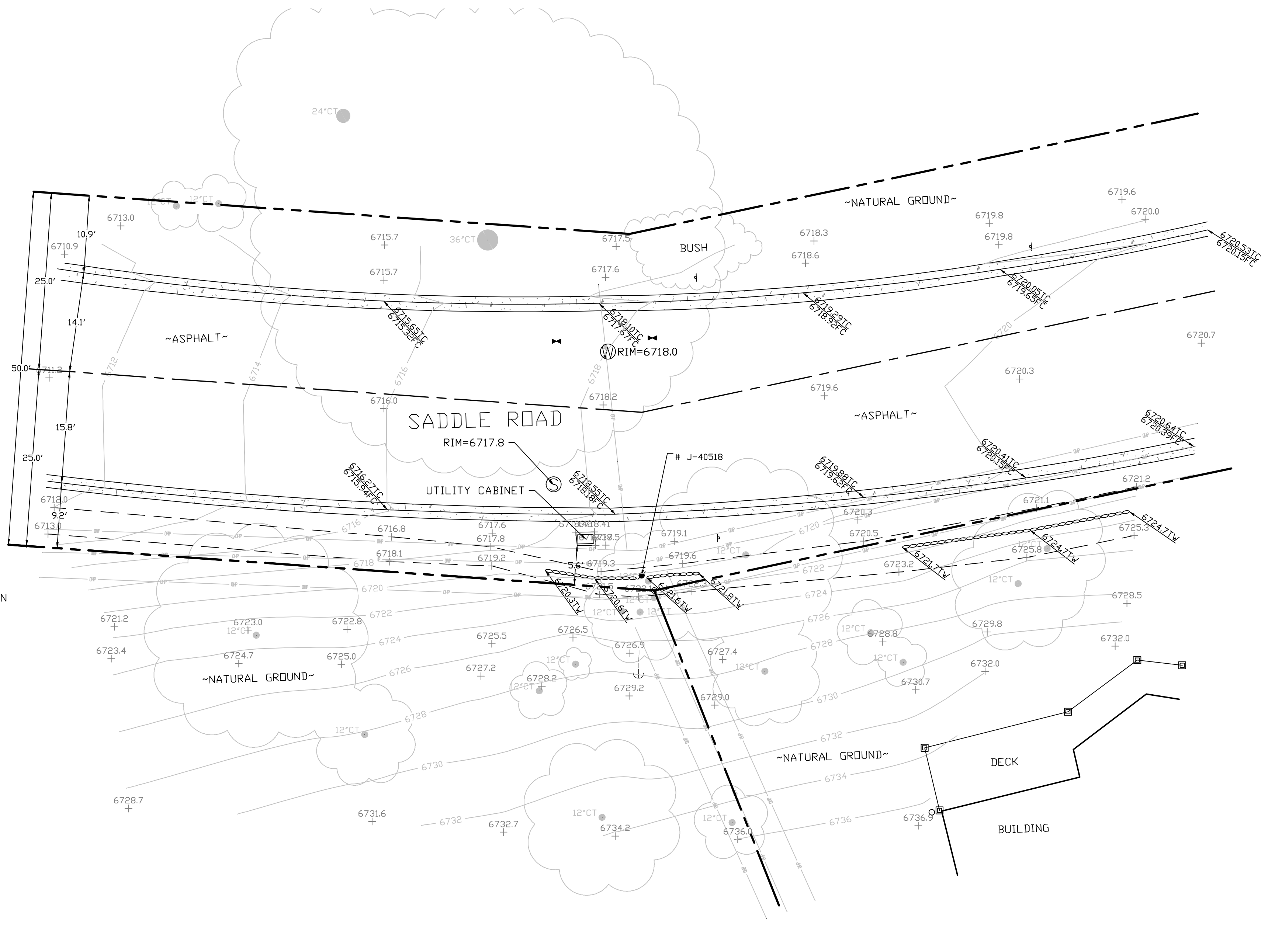
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THIS SURVEY WAS MADE WITHOUT THE BENEFIT OF A TITLE REPORT. THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK C PAGE(S) 80 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.



LEGEND
These standard symbols may be found in the drawing.

	CONCRETE
	PROPERTY LINE
	CENTER LINE
	OVERHEAD LINE
	FENCE
	HEADER
	ROOF
	WALL
	ROCK WALL
	PULLBOX ELECTRIC
	PULLBOX TELEPHONE
	PULLBOX COMMUNICATION
	WATER METER
	WATER VALVE
	POWER POLE
	ELEVATION GRADE
	GUY WIRE
	MAILBOX
	SIGN
	MANHOLE TELEPHONE
	MANHOLE SEWER
	RECTANGLE INLET
	FIRE HYDRANT
	SHRUB
	TRUNK
	CT CONIFEROUS TREE
	DT DECIDUOUS TREE
	TC TOP OF CURB
	FC FACE OF CURB
	TF TOP OF FENCE
	TW TOP OF WALL
	CD CURB DRAIN
	FOUND MONUMENT



SITE SURVEY
SCALE 1"=10'



EXISTING SITE PHOTO



LOCATION MAP

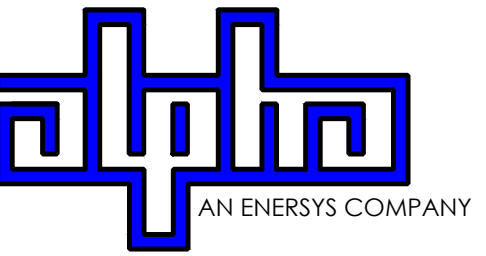


SITE ID: ST117B_A

SITE ADDRESS: 3914 SADDLE RD, SOUTH LAKE TAHOE, CA 96150



9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311



3767 ALPHA WAY BELLINGHAM, WA 98226



23 MAUCHLY, STE 110 IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC J5 PROJECT ID: P-069678

2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) PRECAST CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

SITE INFORMATION

SITE ADDRESS:	3914 SADDLE RD SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.93884674, -119.9370465
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	8
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	PROPOSED COVERAGE (CLASS 2) = 12 SF
CUT/FILL VOLUME:	0.5 C.Y.

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/05/21	90% CD	AS
0	12/27/21	100% CD	BN
1	07/01/22	MODEL REDESIGN	MZ
2	12/05/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	06/22/23	100% CD REV PER PCC#3	ES
5	09/22/23	100% CD REVISION	JDJ

NOTE

(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHEET D2.

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
A1	ENLARGED SITE PLANS & ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL
LS-1	SURVEY

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. RICHARD A. SEIFF SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (331) 276-0232 EMAIL: rich.seiff@enersys.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

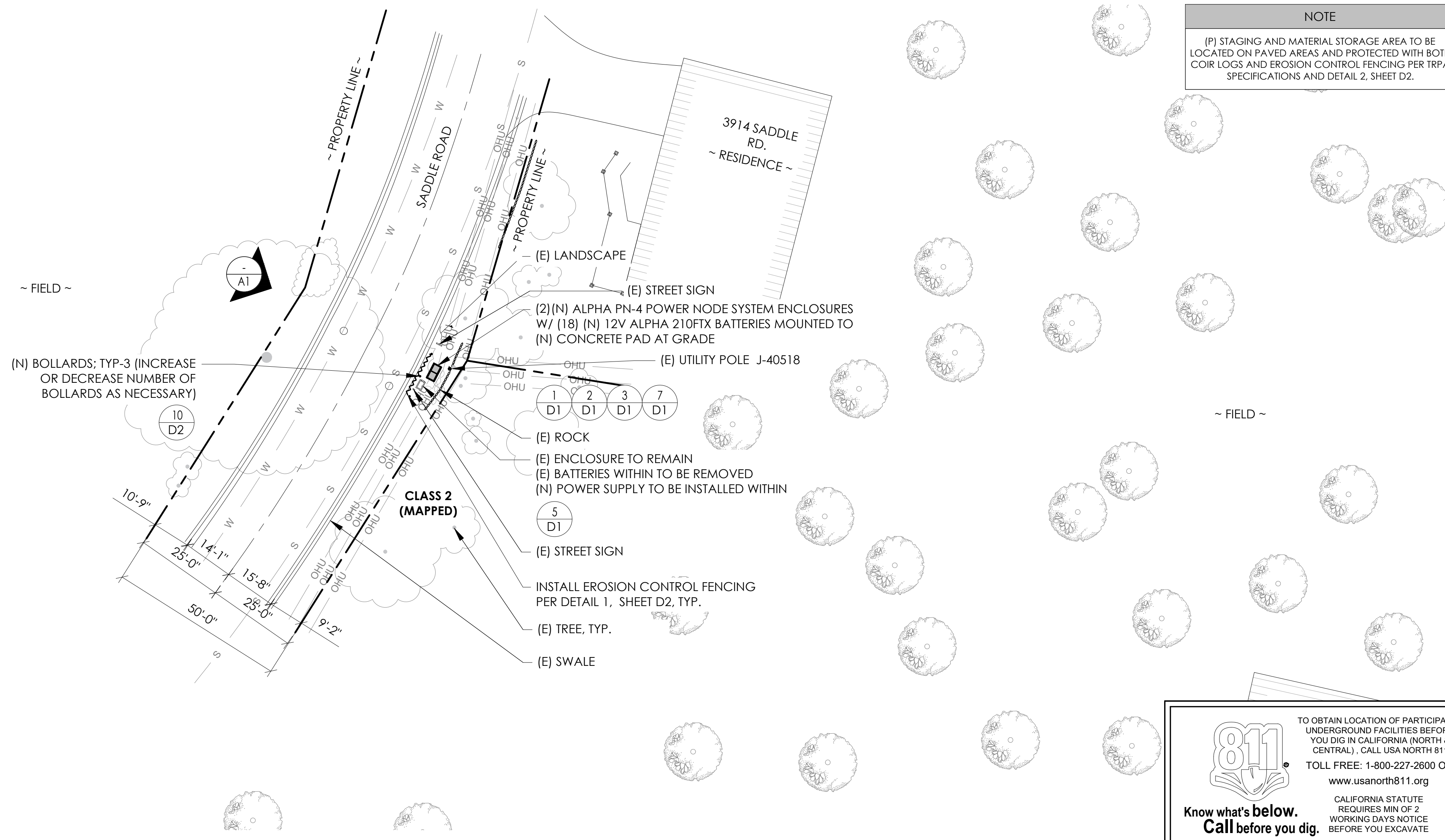
1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 1 - CALIFORNIA ADMINISTRATIVE CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 INTERNATIONAL PLUMBING CODE
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANSITIA-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.



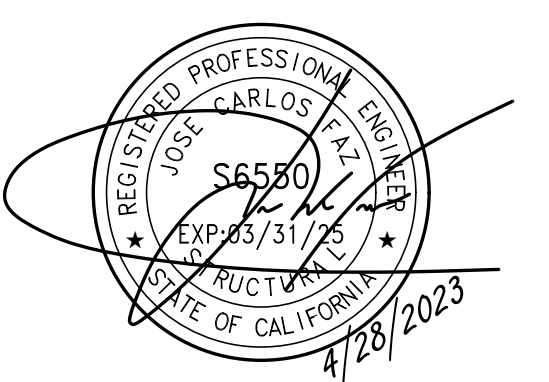
811
Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (NORTH & CENTRAL), CALL USA NORTH 811
TOLL FREE: 1-800-227-2600 OR www.usanorth811.org
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"

SEAL



SITE INFORMATION

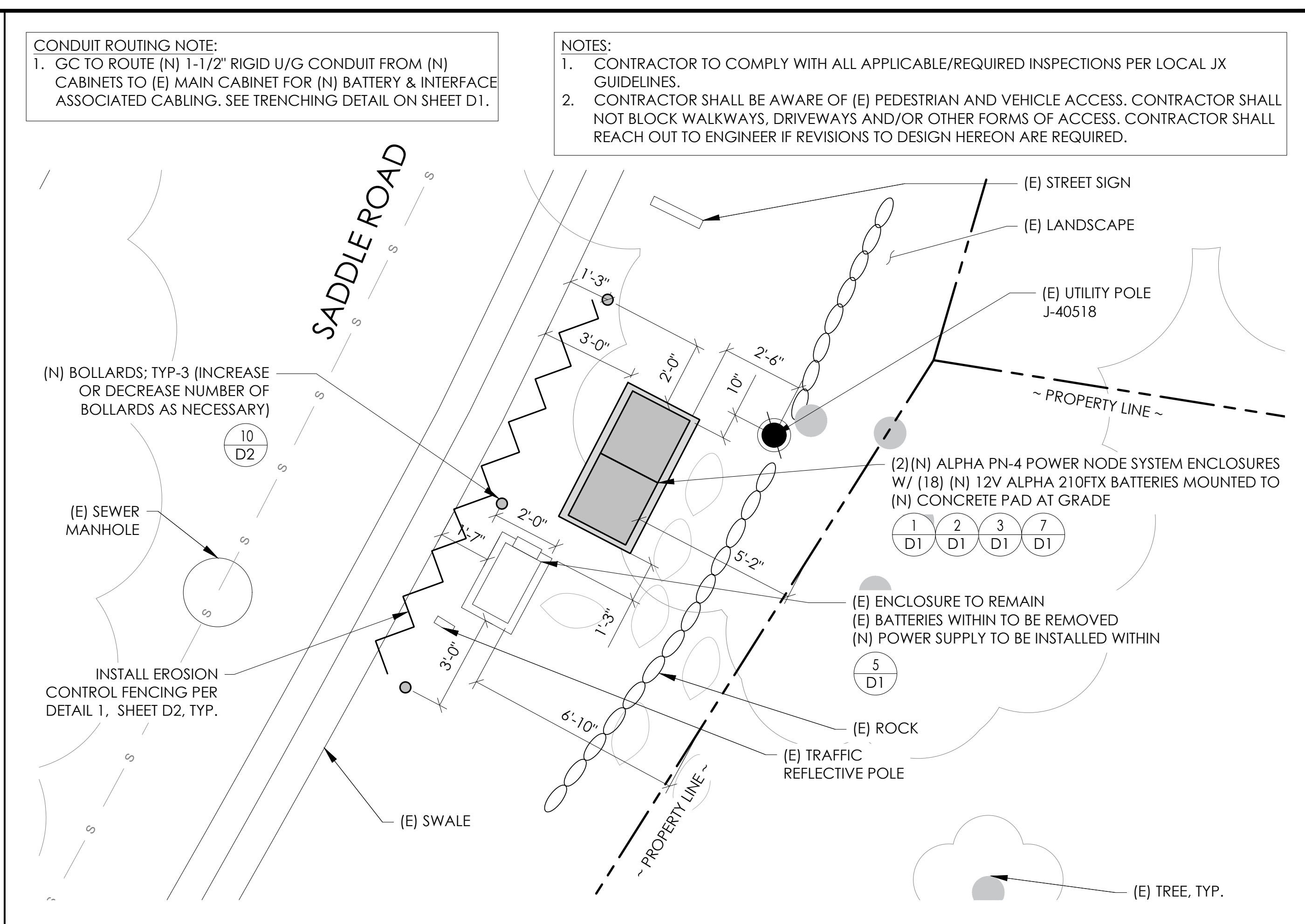
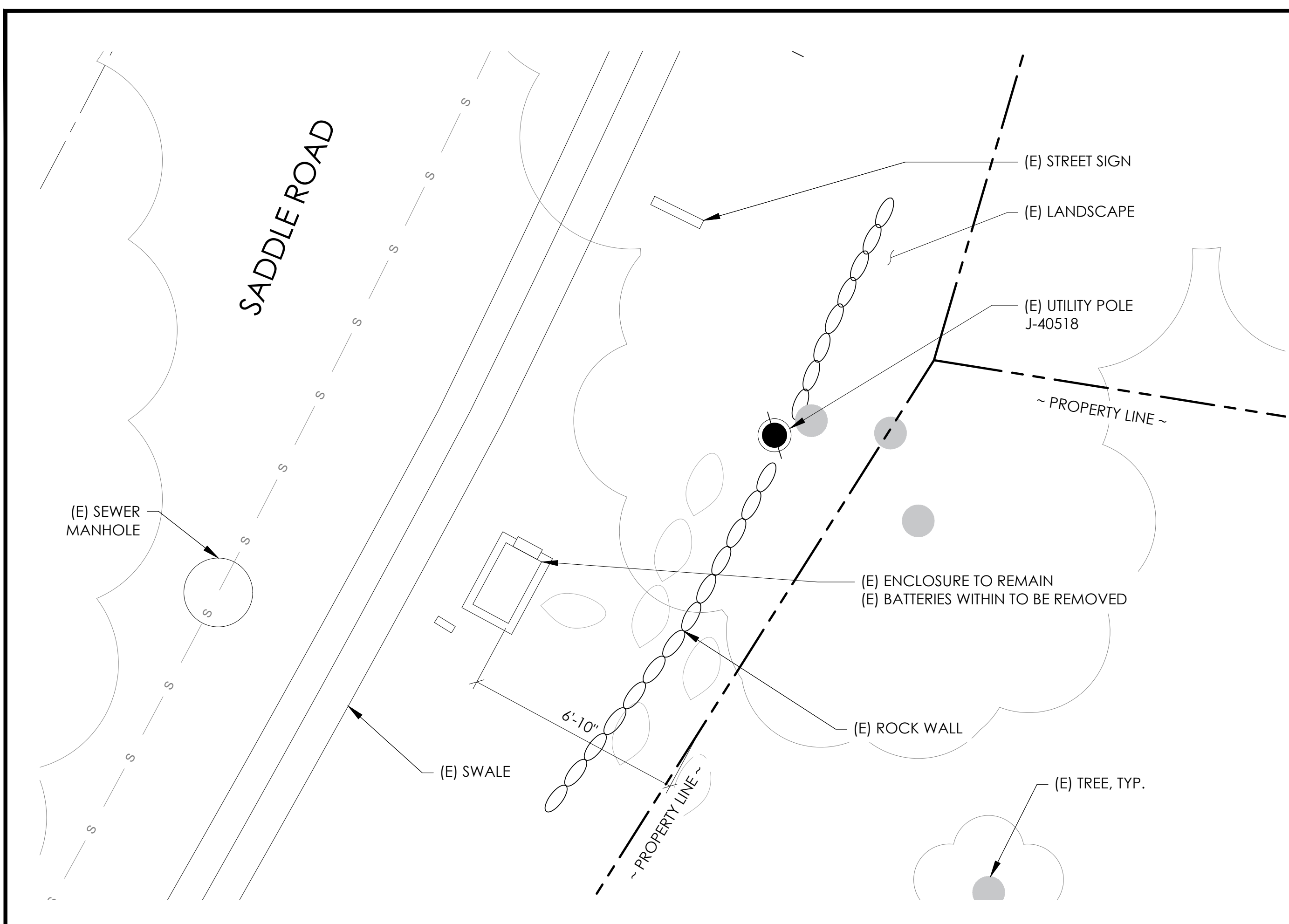
SITE ID: ST117B_A

SITE ADDRESS: 3914 SADDLE RD, SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

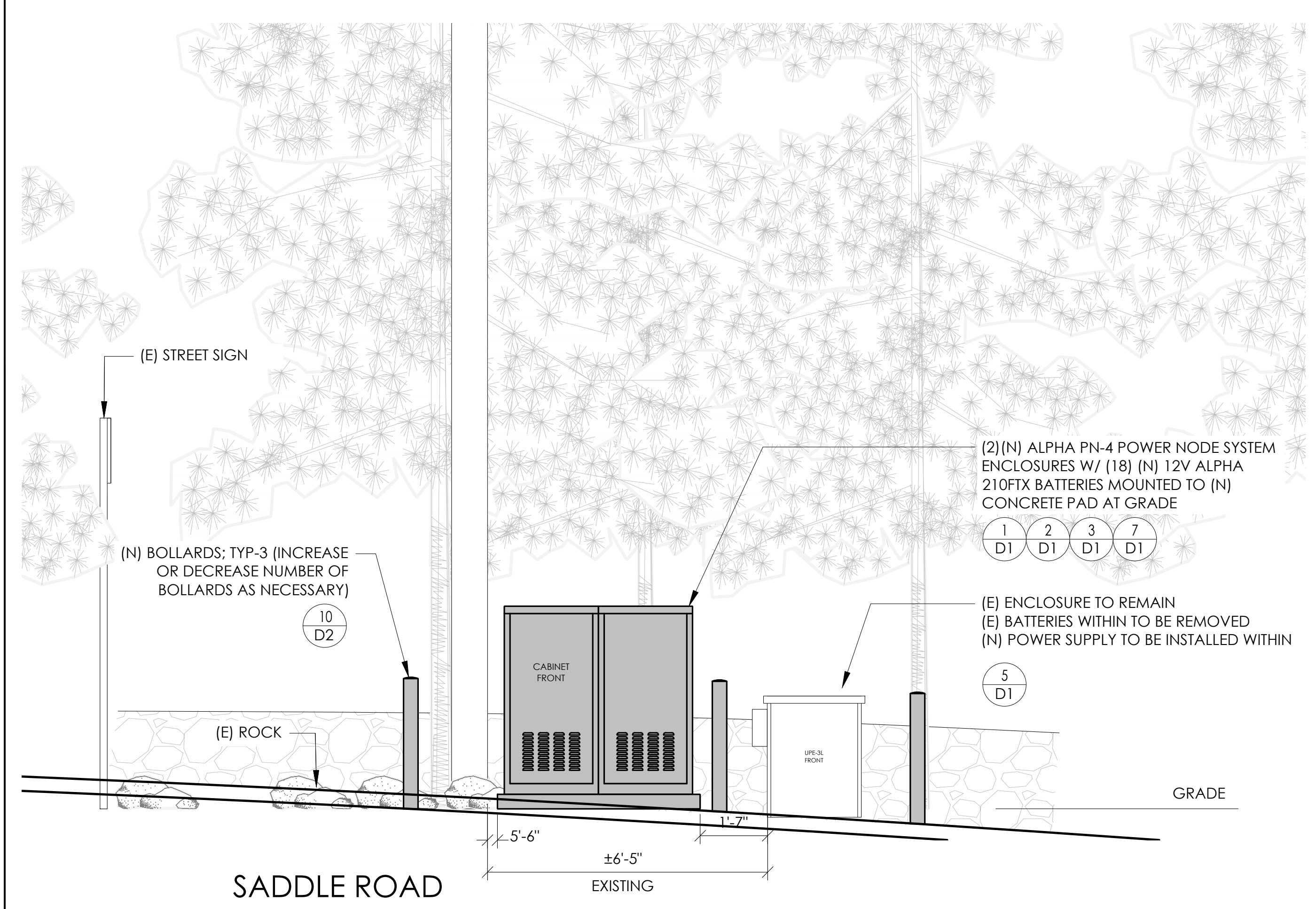
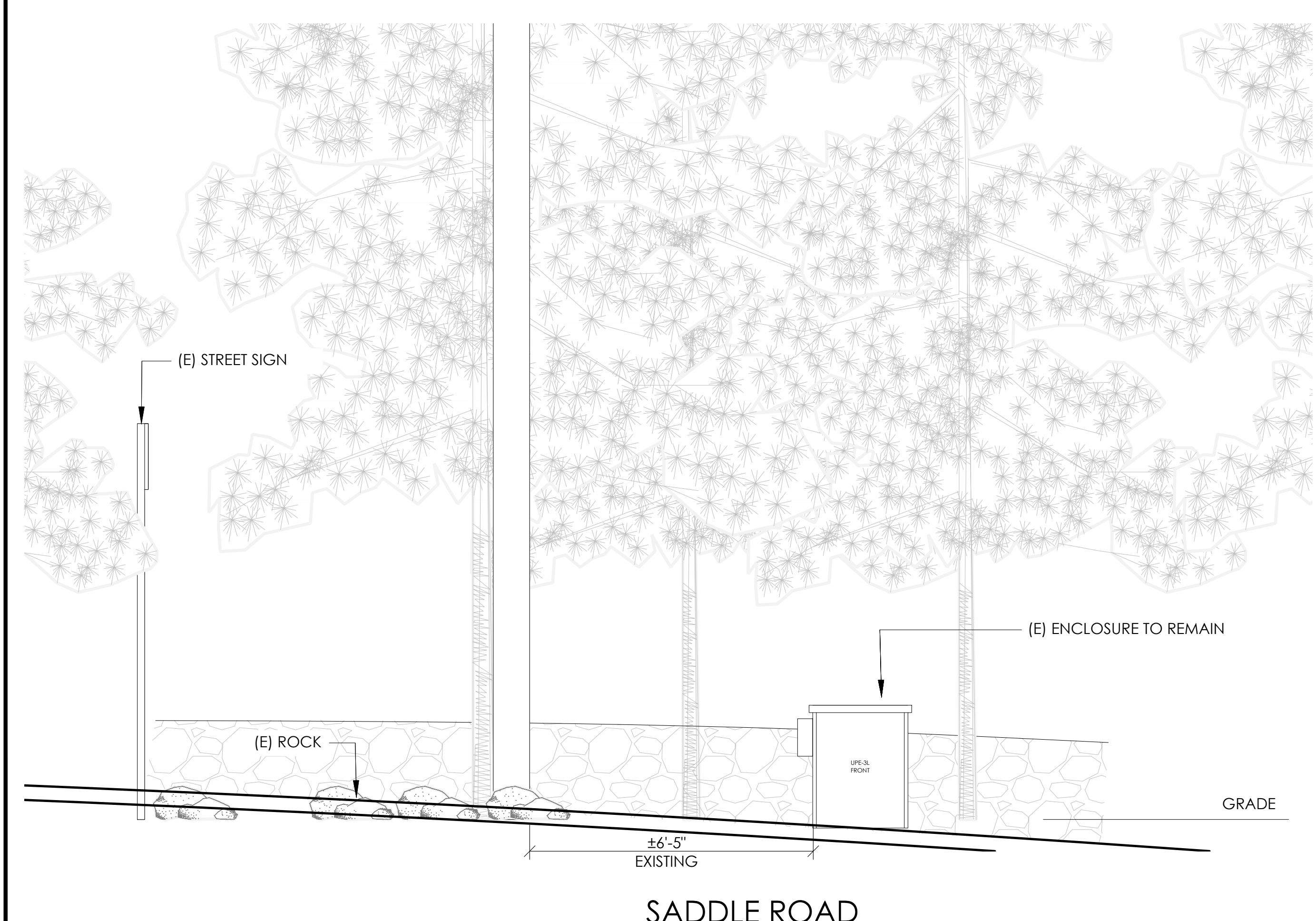
TITLE SHEET

T1



24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

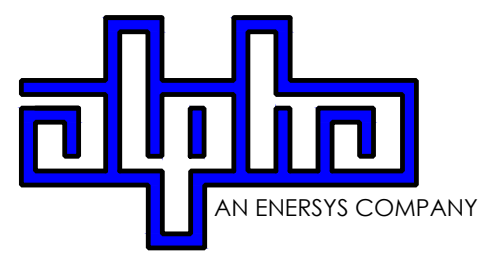


24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



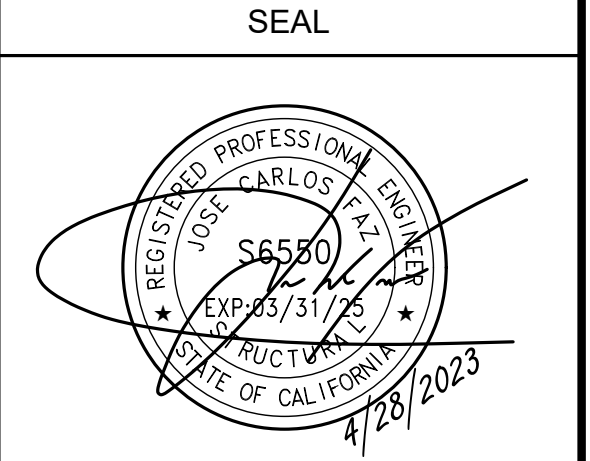
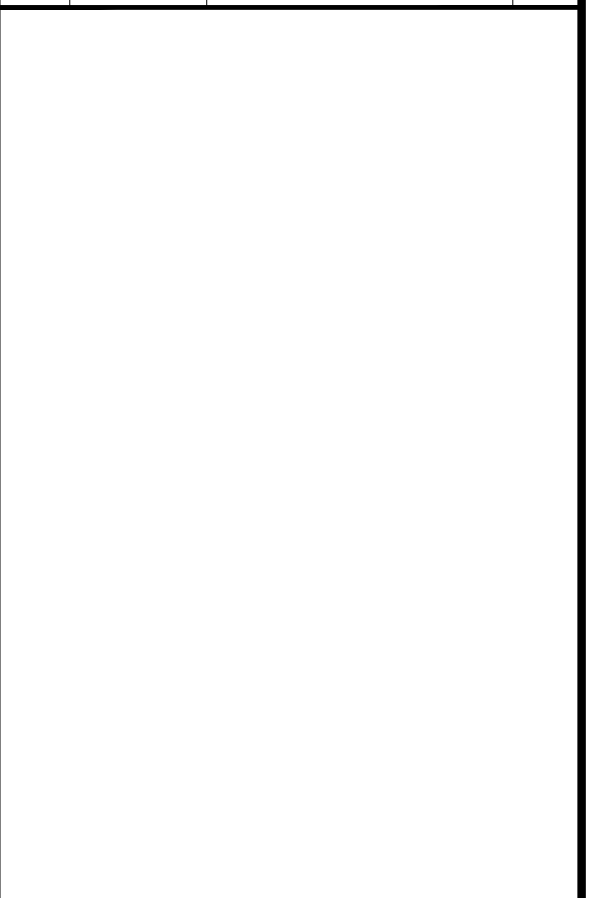
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069678

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	07/01/22	MODEL REDESIGN	MZ
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4	08/22/23	100% CD REV PER PCC#3	ES
5	09/22/23	100% CD REVISION	JDJ



SITE INFORMATION

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ST117B_A

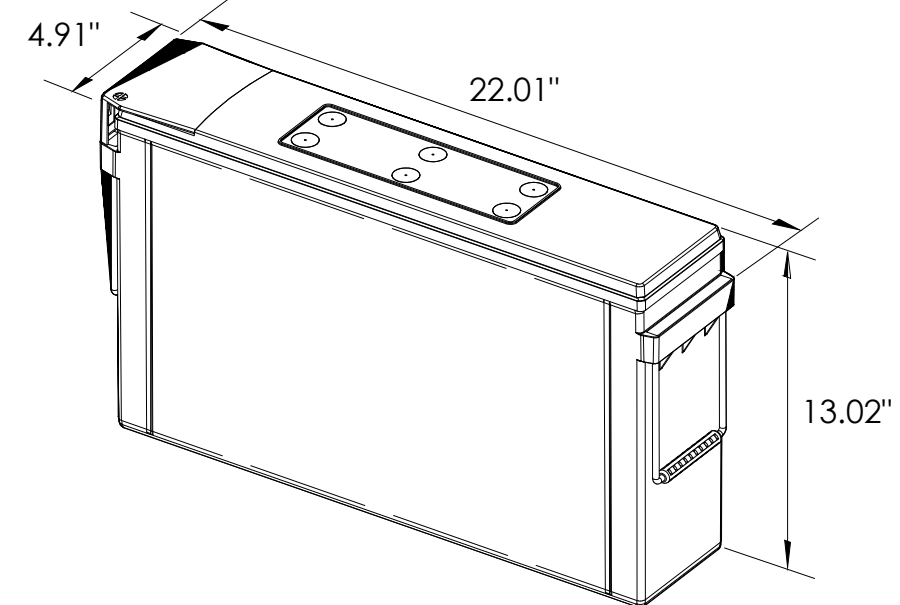
SITE ADDRESS:
3914 SADDLE RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
**ENLARGED SITE
PLANS & ELEVATIONS**

A1



ALPHA 210 FIX BATTERY UNIT



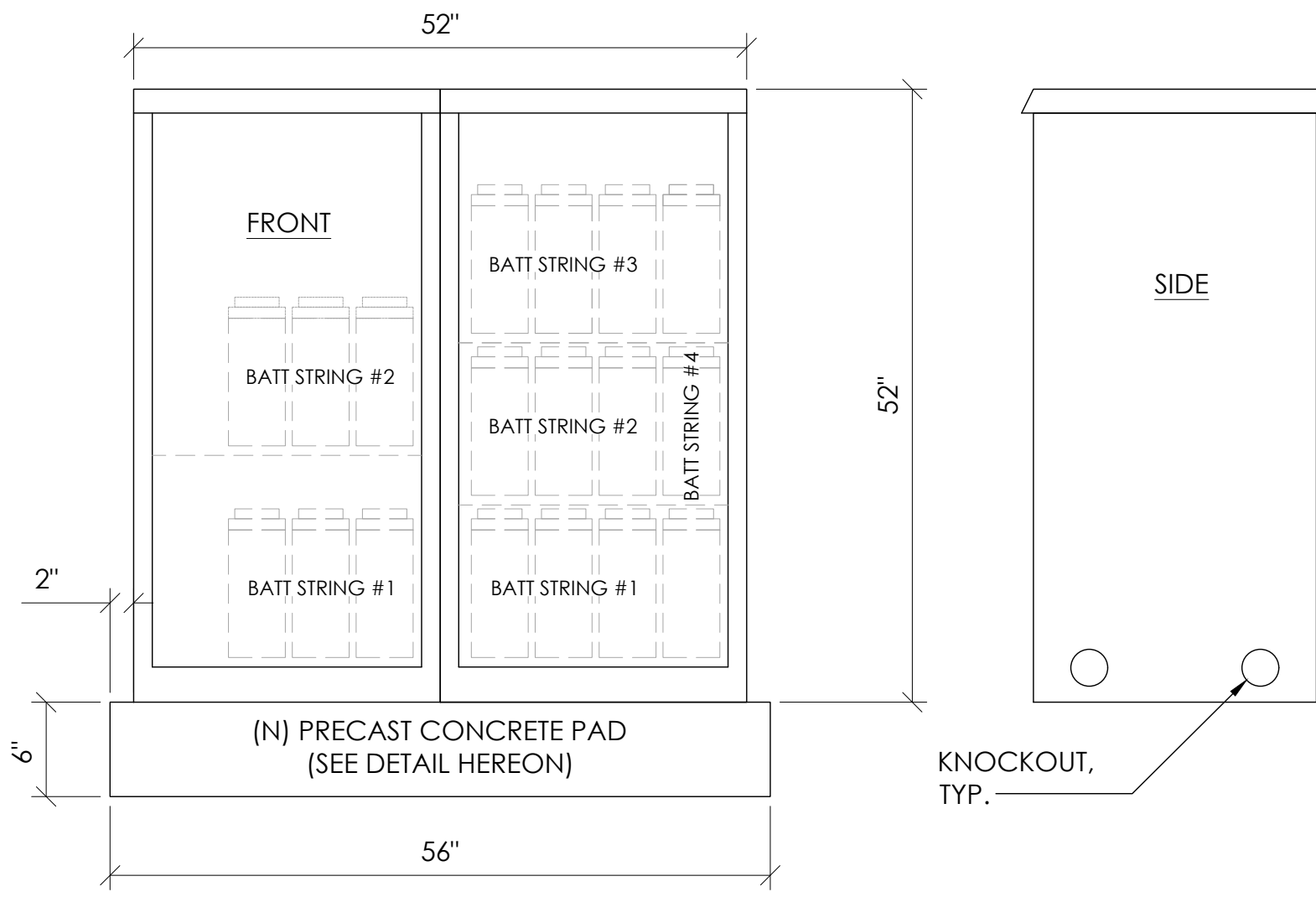
EQUIPMENT SPECIFICATIONS (1 UNIT)

MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

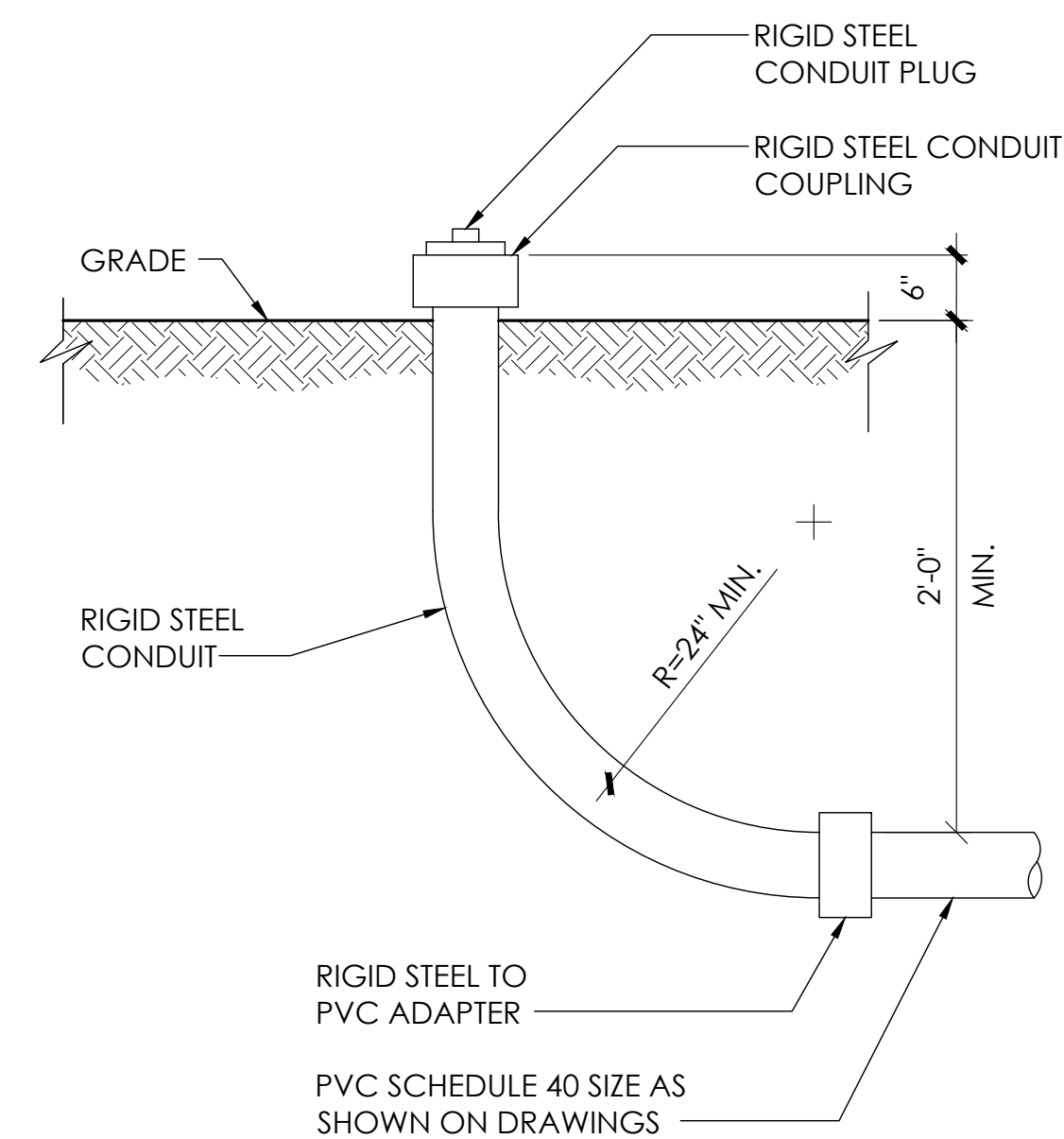
7 BATTERY SPECIFICATIONS N.T.S.



CABINET SPECIFICATIONS

MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	CABINET #1: (4) BATTERY STRINGS CABINET #2: (2) BATTERY STRINGS

1 DUAL EQUIPMENT CABINET DETAIL N.T.S.



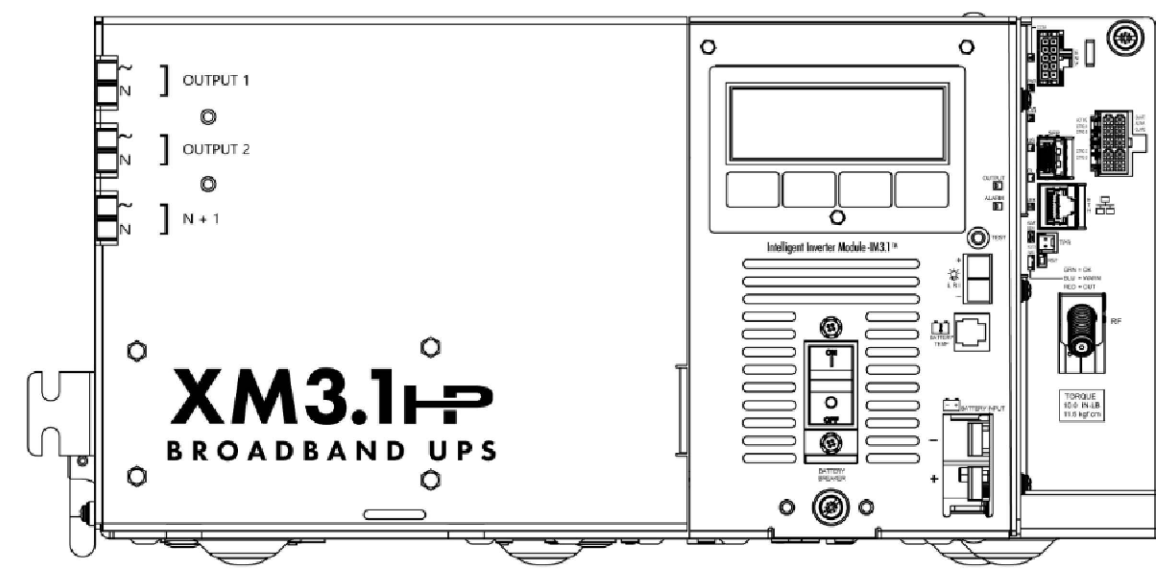
8 STUB-UP DETAIL N.T.S.

NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

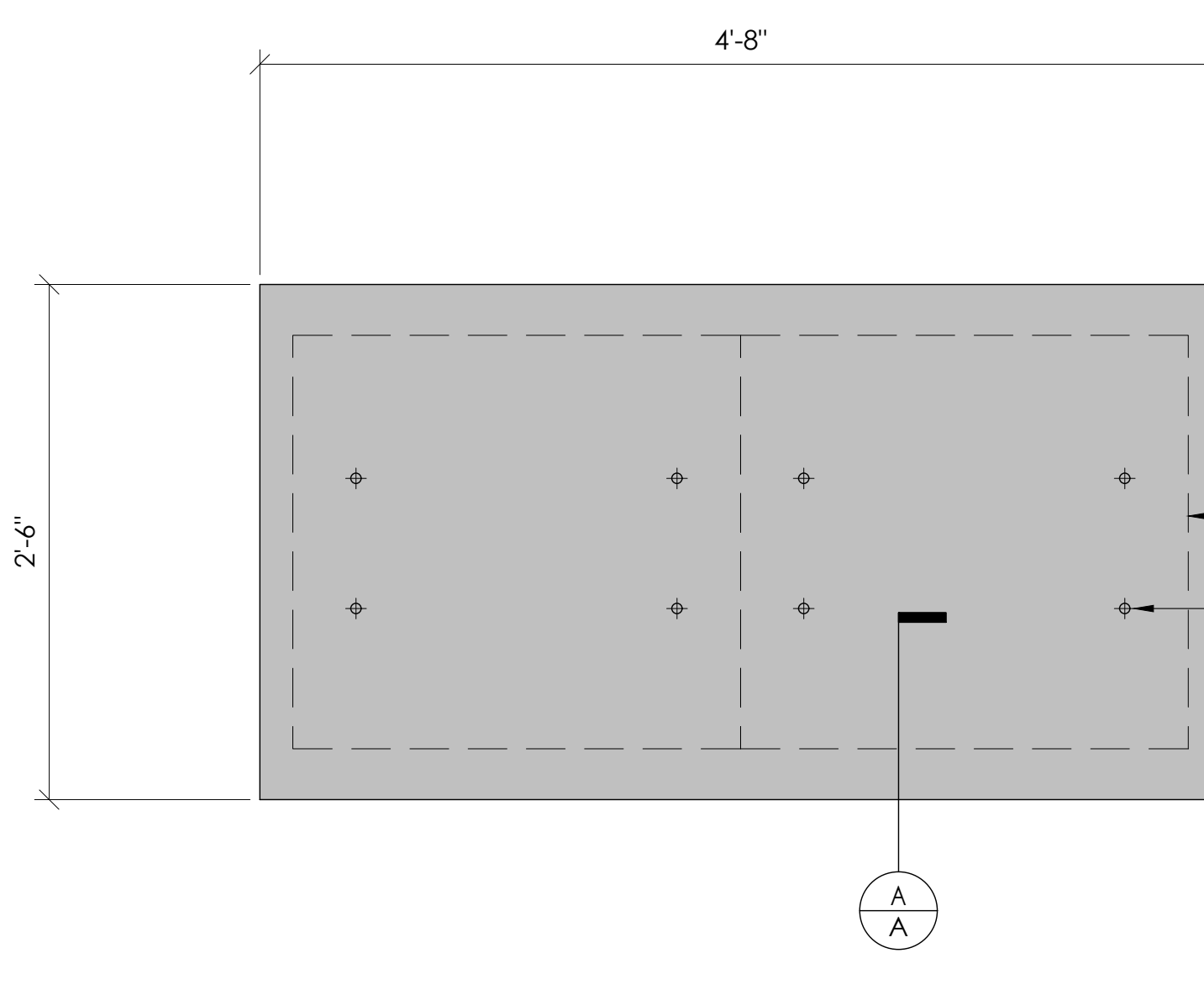
NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS

MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

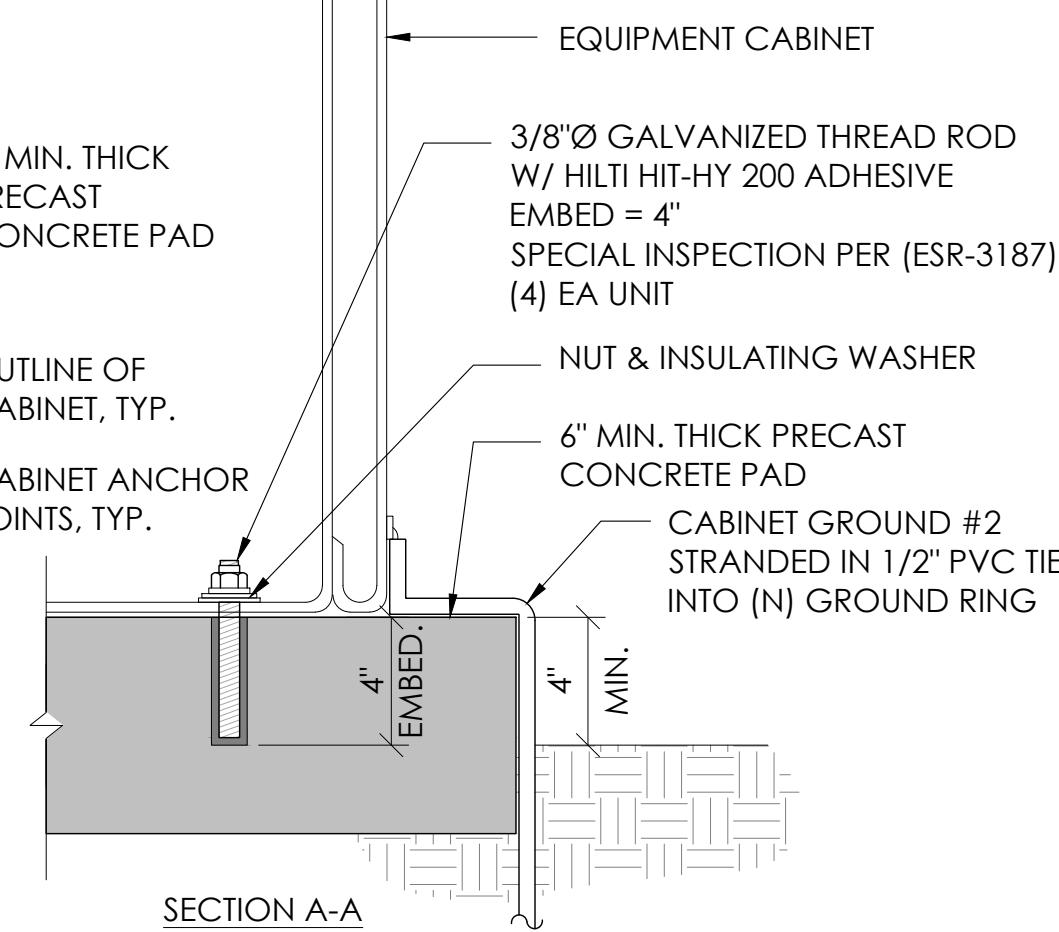


5 POWER SUPPLY DETAIL N.T.S.

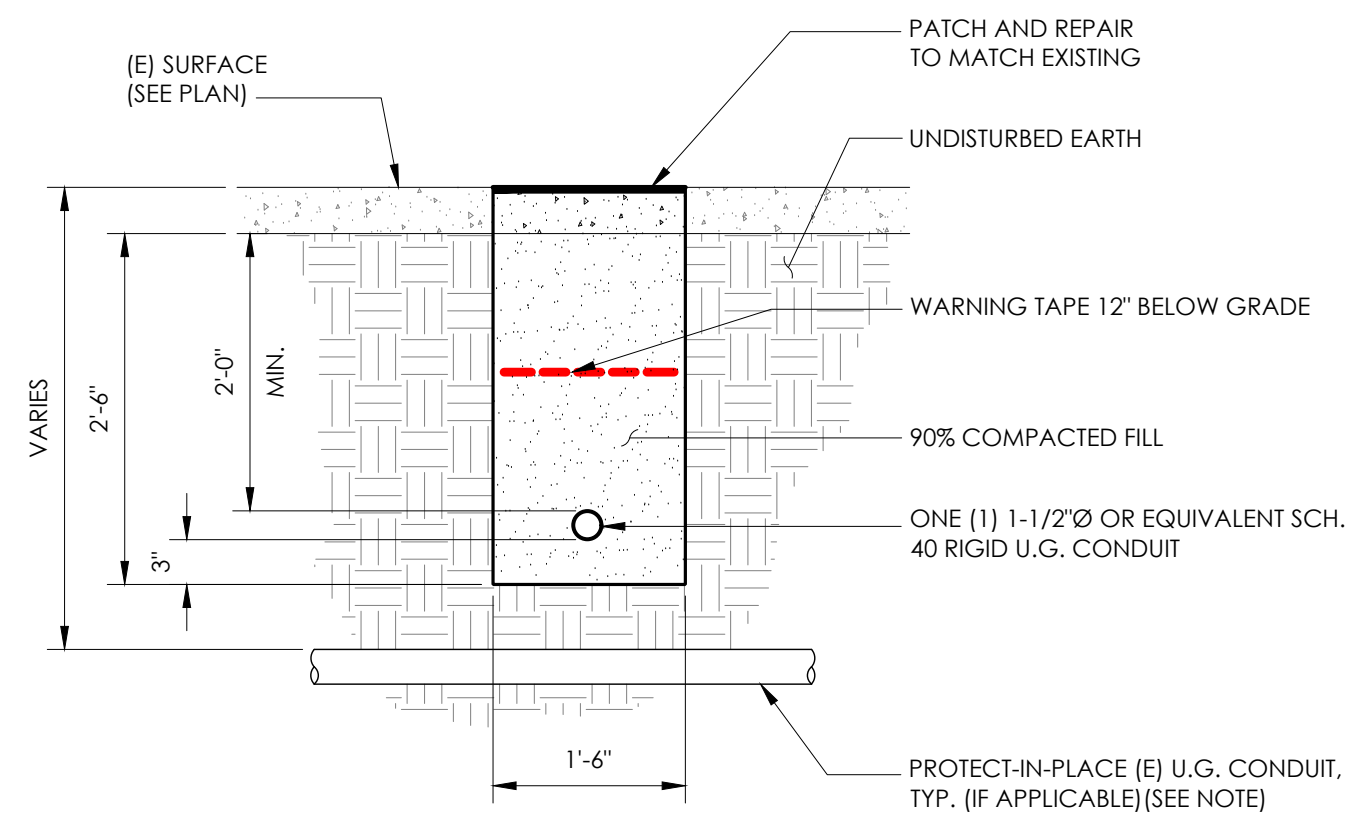


2 CONCRETE PAD & ANCHORAGE DETAIL N.T.S.

PLACE CONCRETE PAD MINIMUM 2" FROM NEARBY CONCRETE PAD(S)



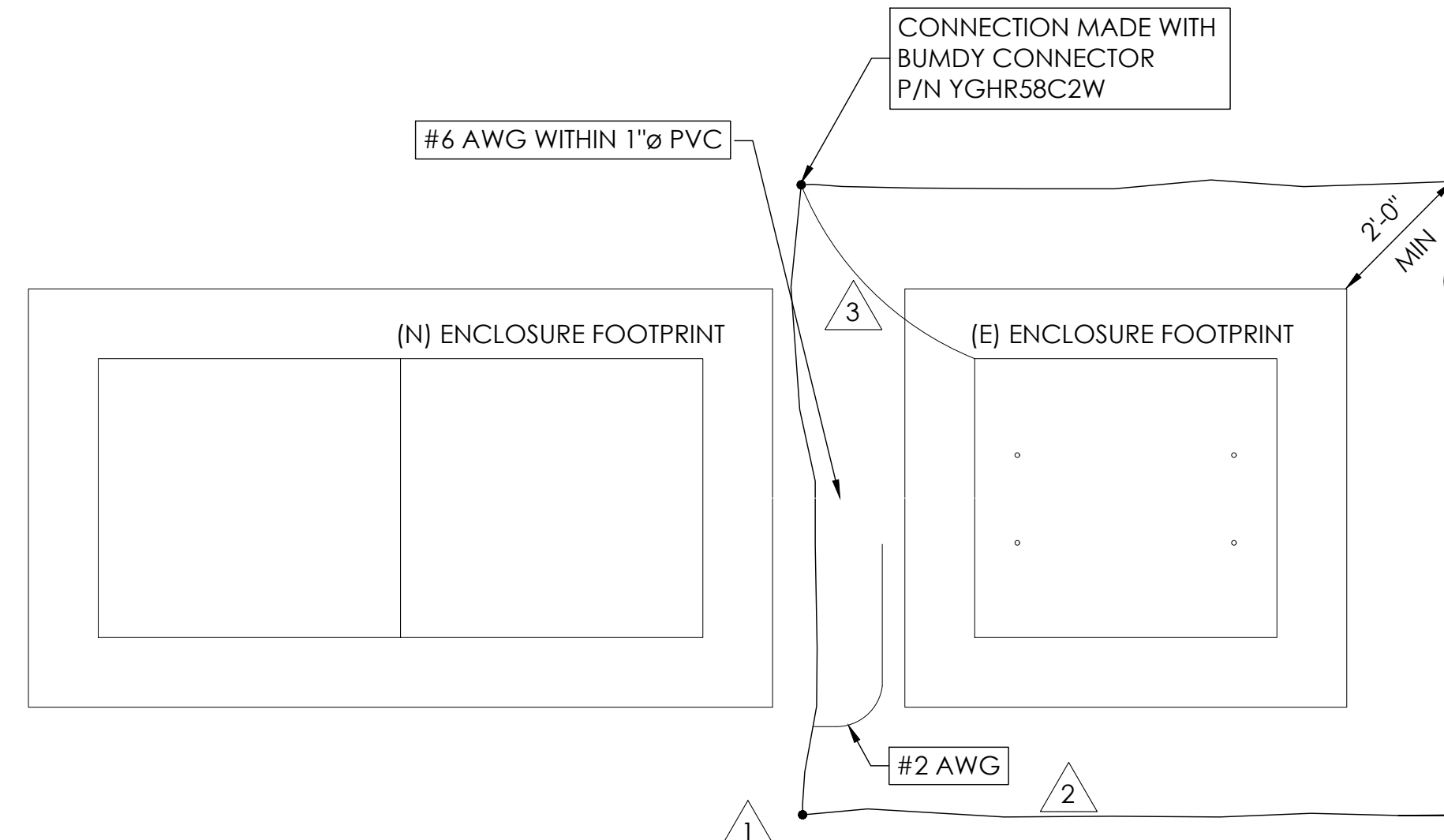
NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL N.T.S.

- LIGHTNING PROTECTION (OPTIONAL)
- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
 - #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 18 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
 - #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
 - WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.
 - SERVICE GROUNDING (REQUIRED)
#6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR TO VERTICAL GROUND. INSIDE POWER SUPPLY BOX CONNECTED BY #6 SPLIT BOLT.

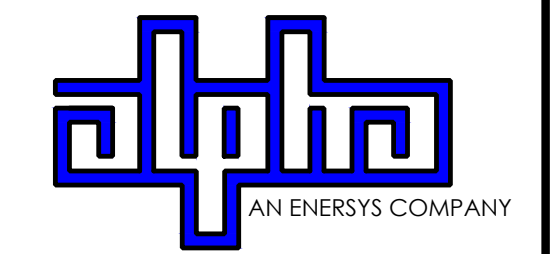
NOTE:
GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.



3 GROUNDING DETAIL N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

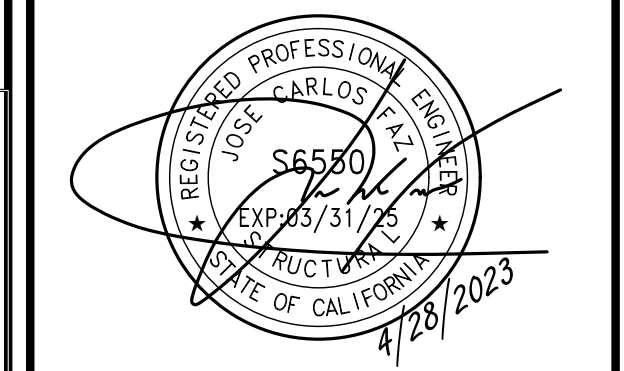


23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069678

ISSUE STATUS

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SEAL



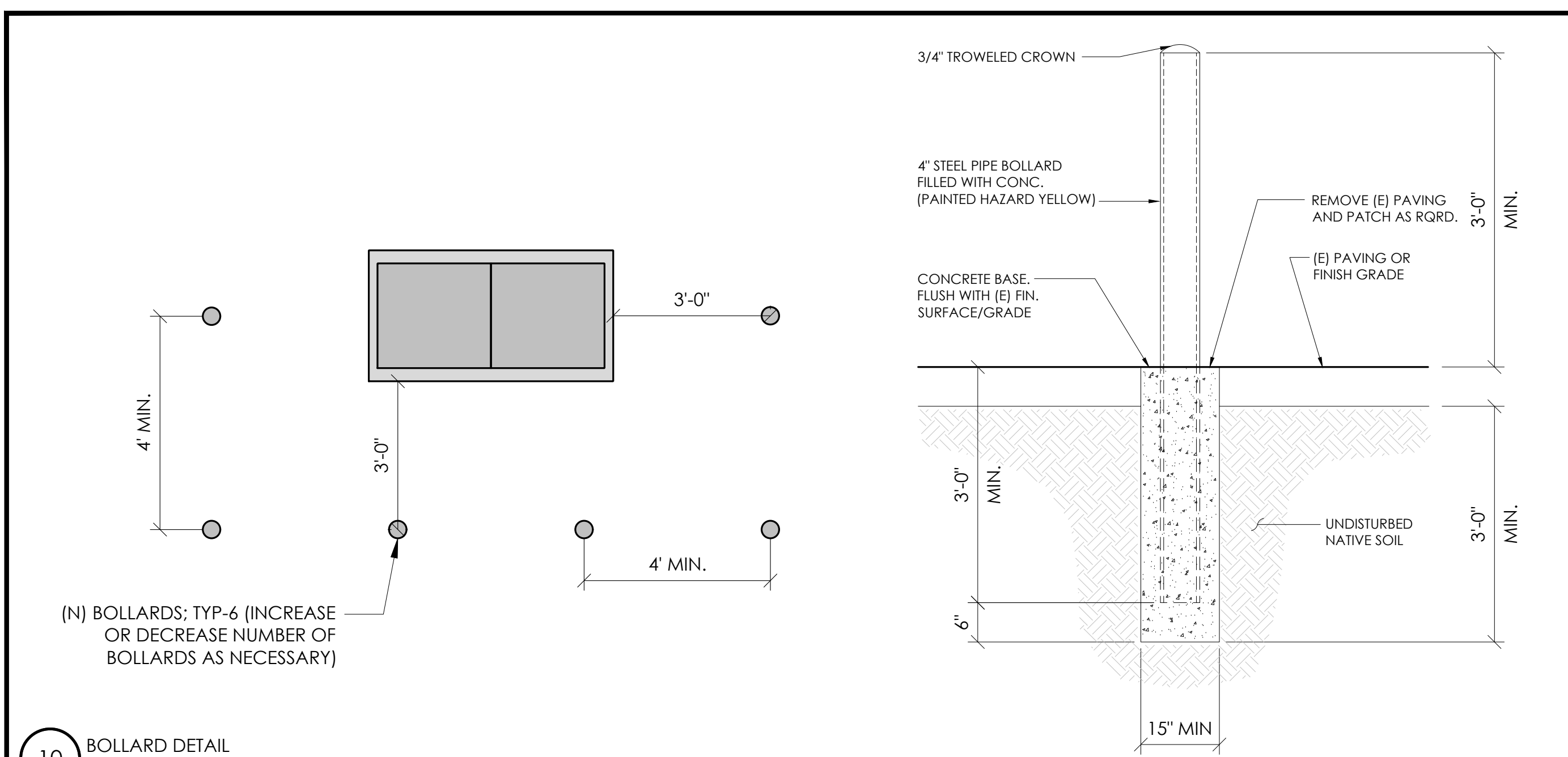
SITE INFORMATION

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ST117B_A

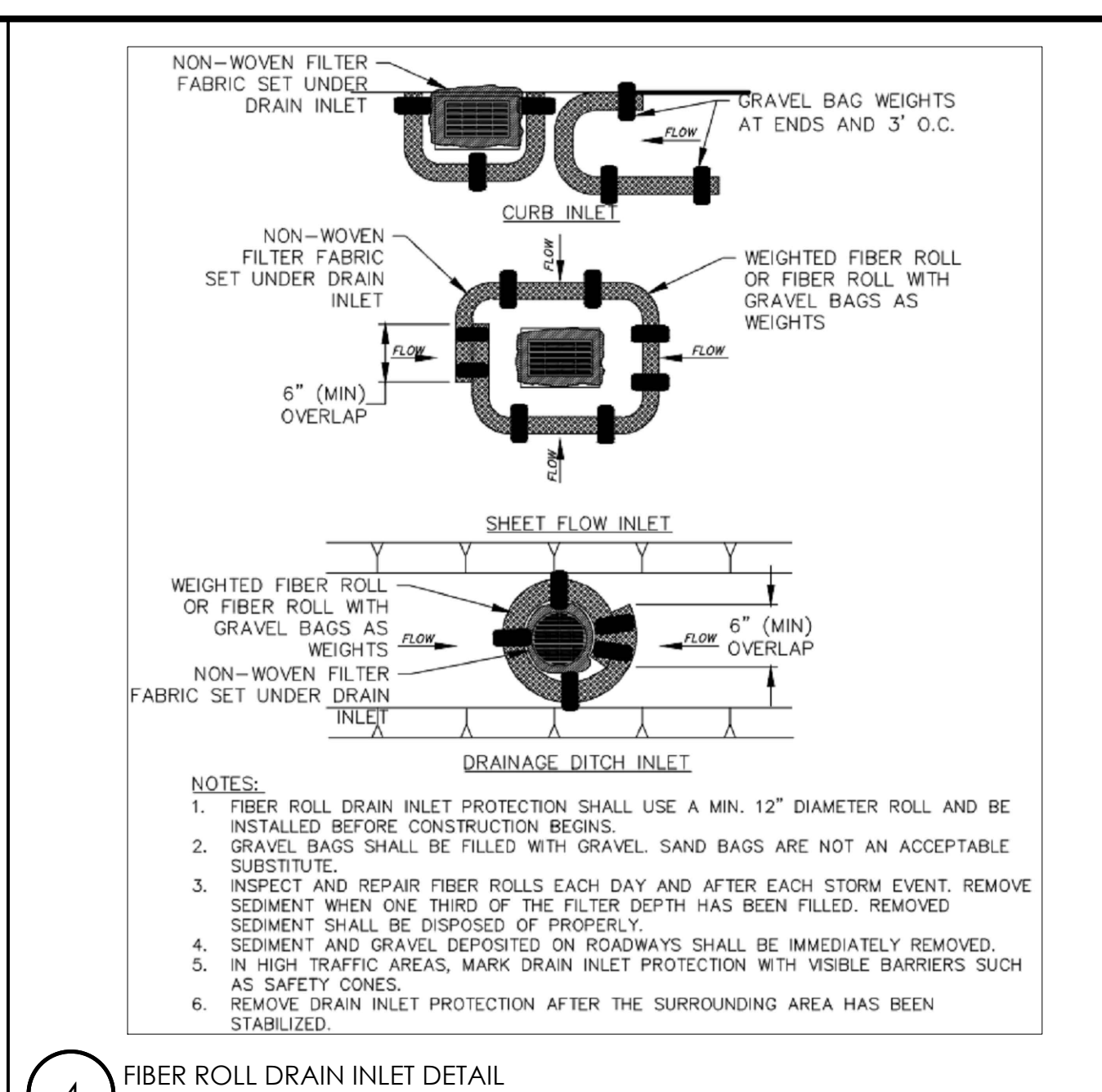
SITE ADDRESS:
3914 SADDLE RD,
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96150

SHEET TITLE:
DETAILS

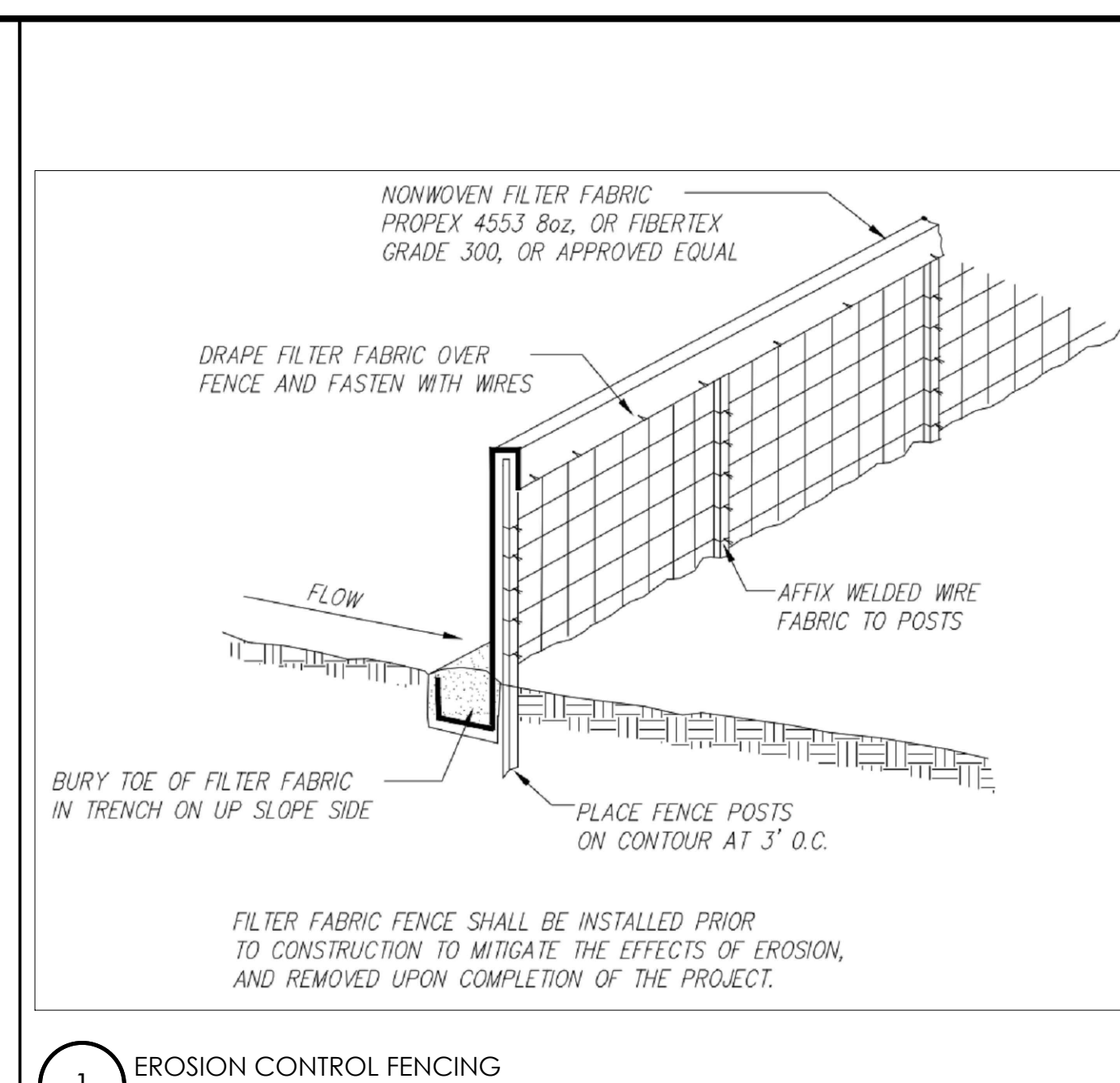
D1



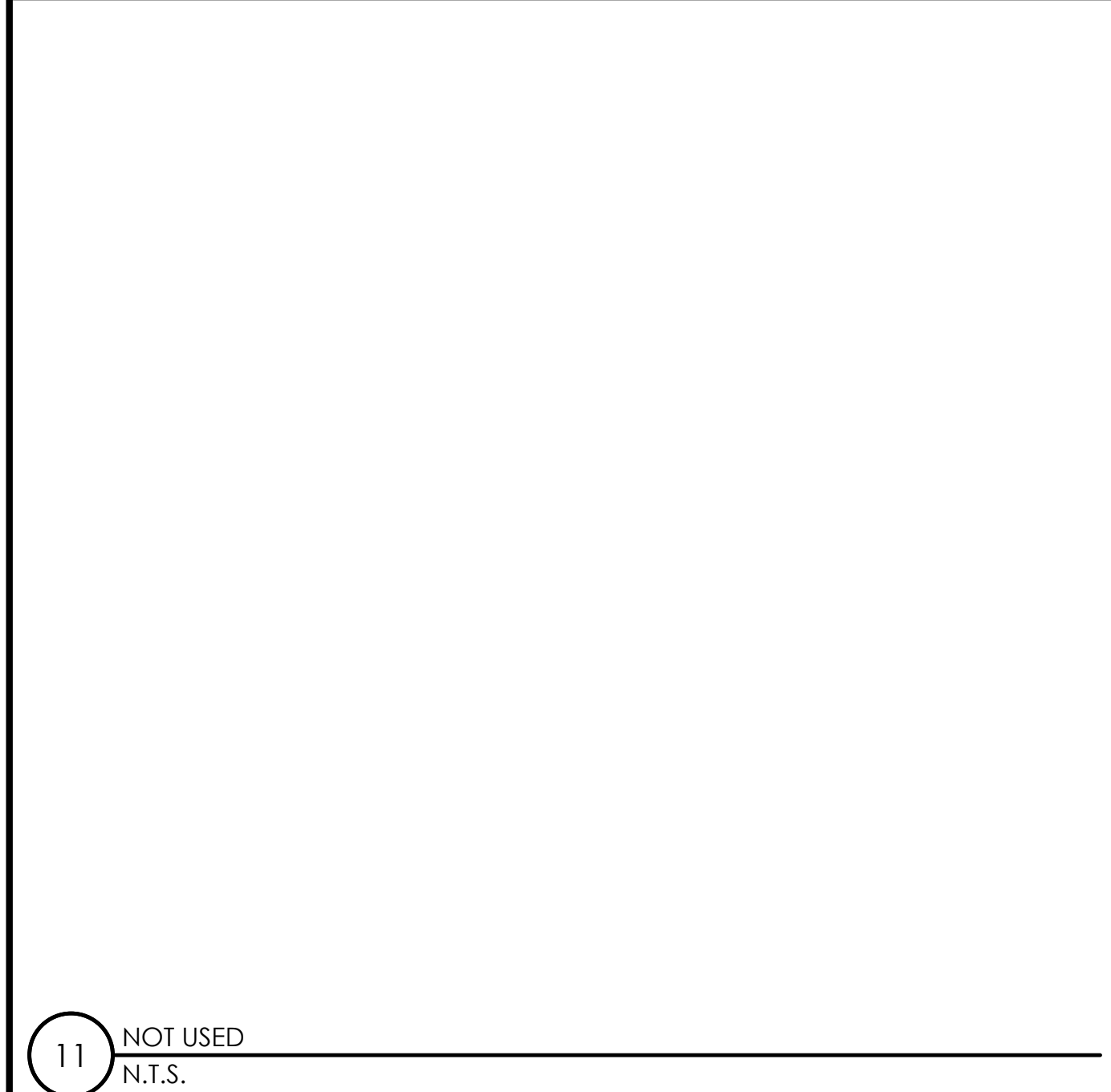
10 BOLLARD DETAIL
N.T.S.



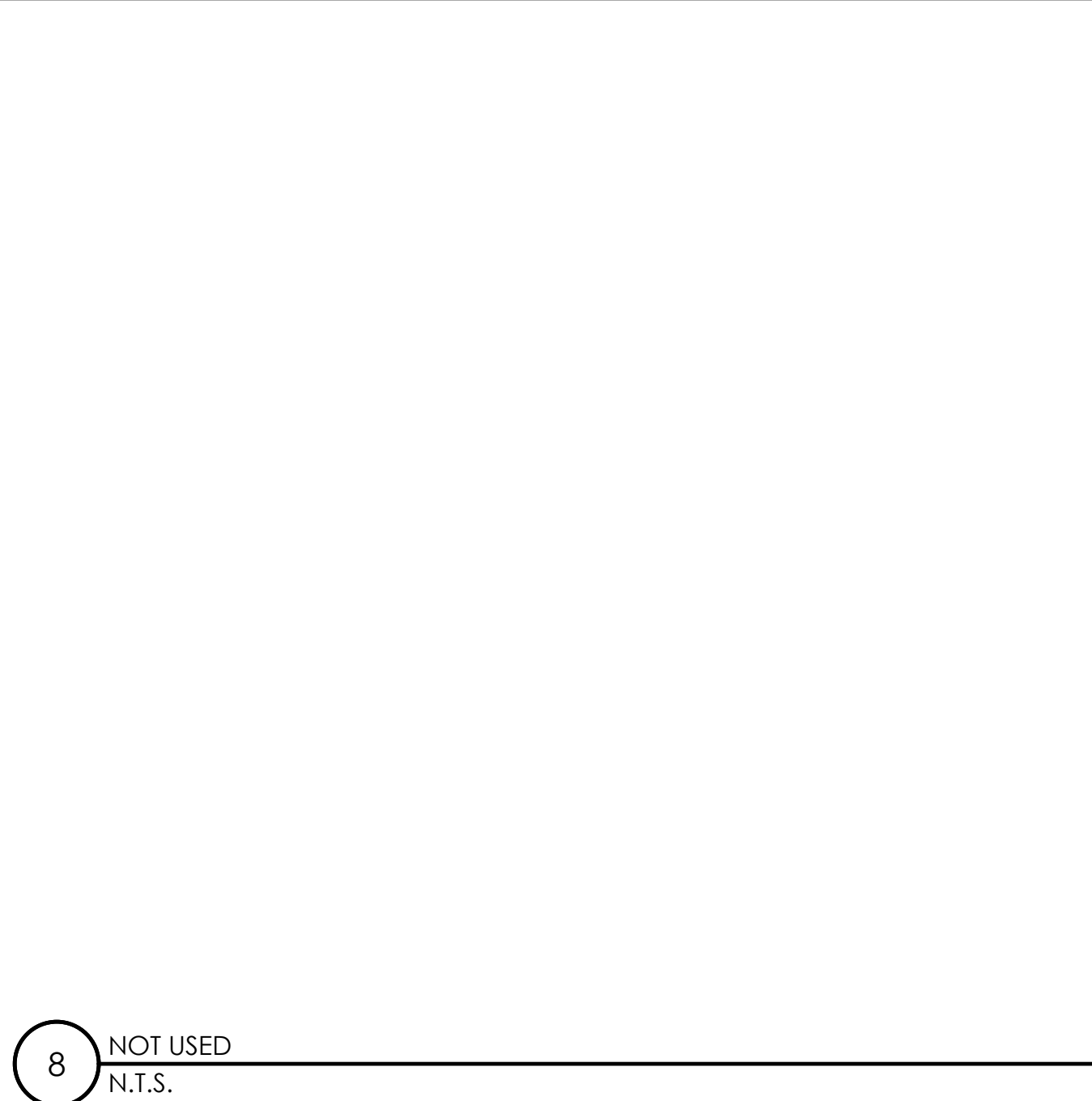
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



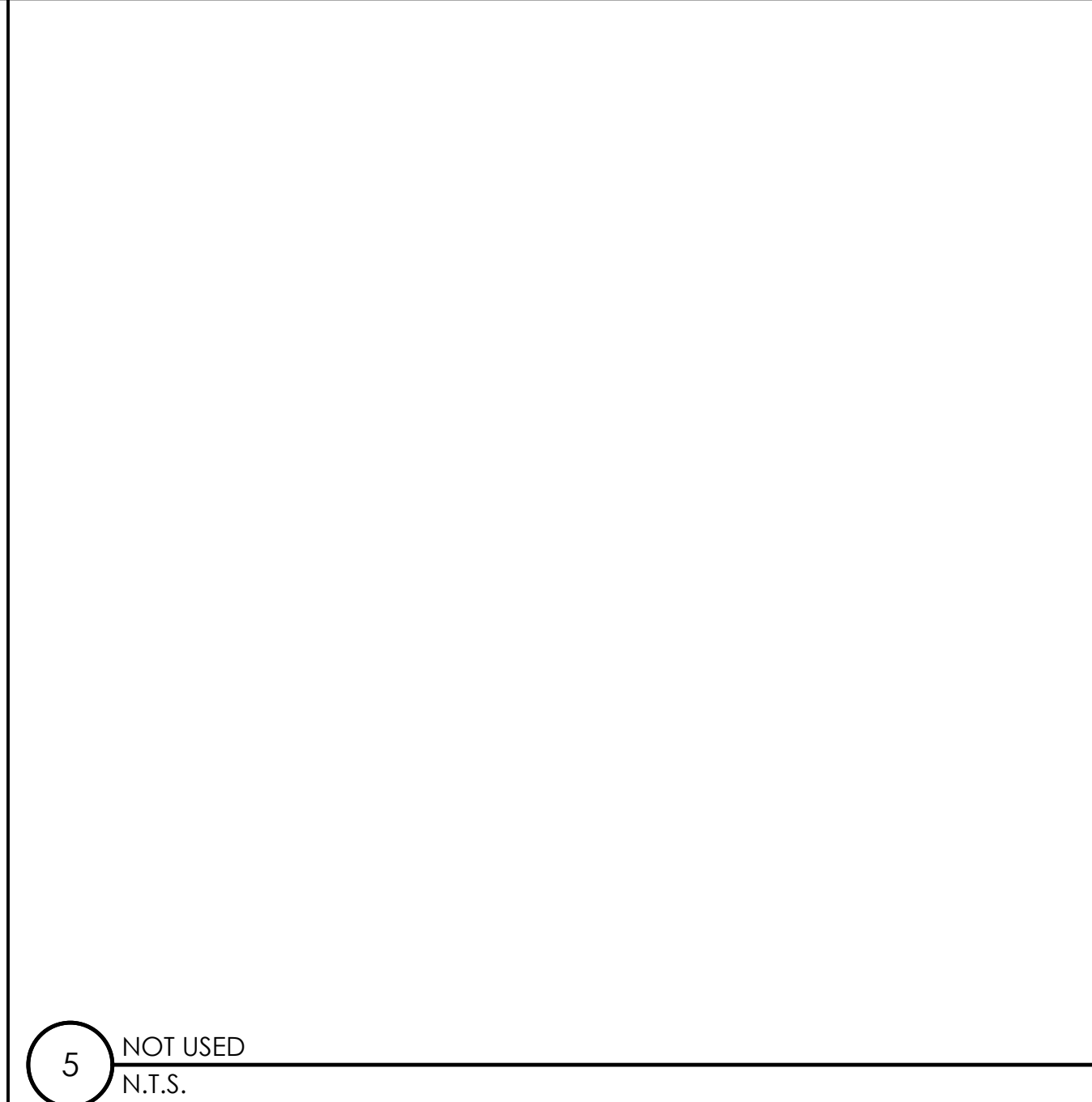
1 EROSION CONTROL FENCING
N.T.S.



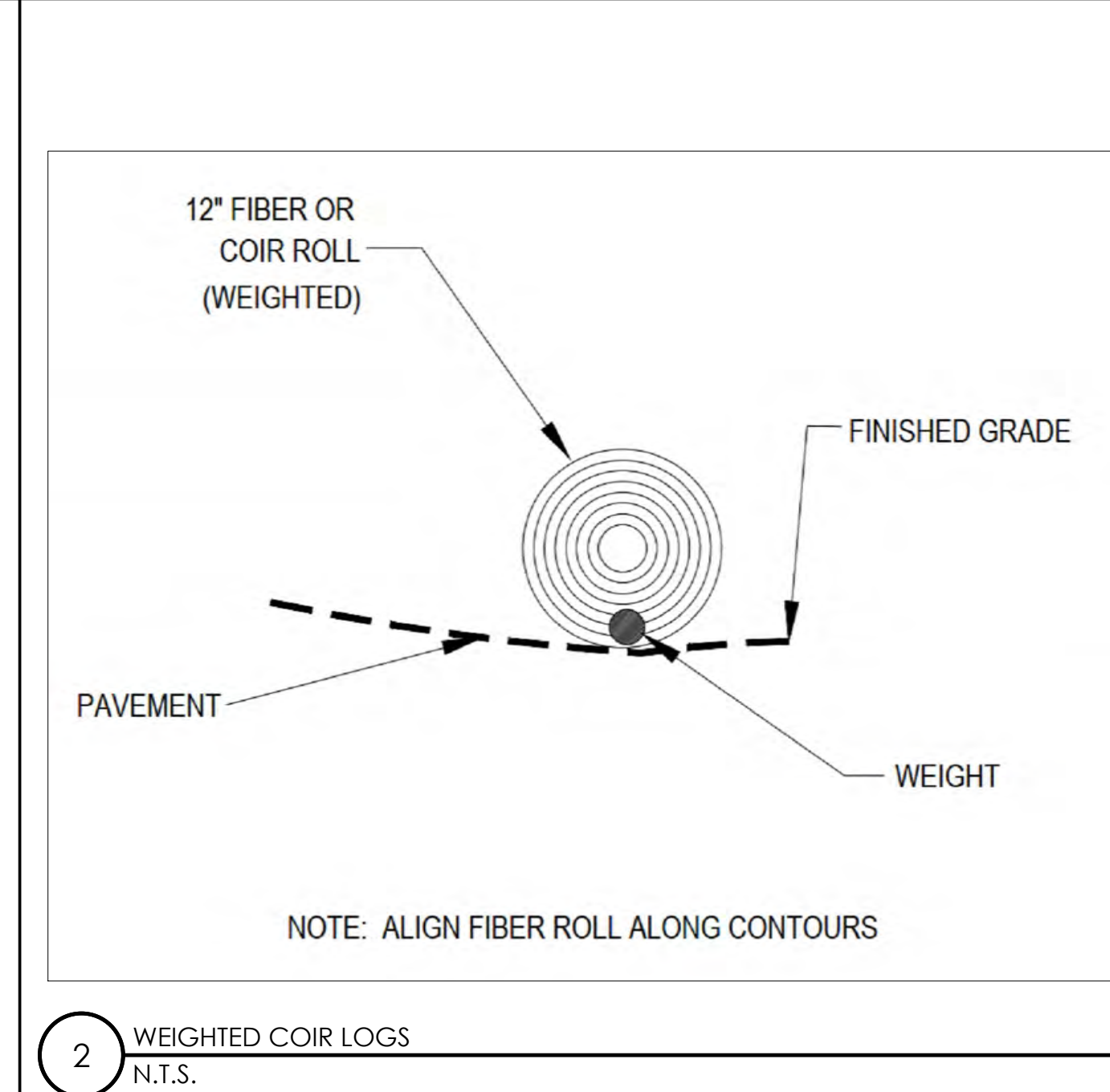
11 NOT USED
N.T.S.



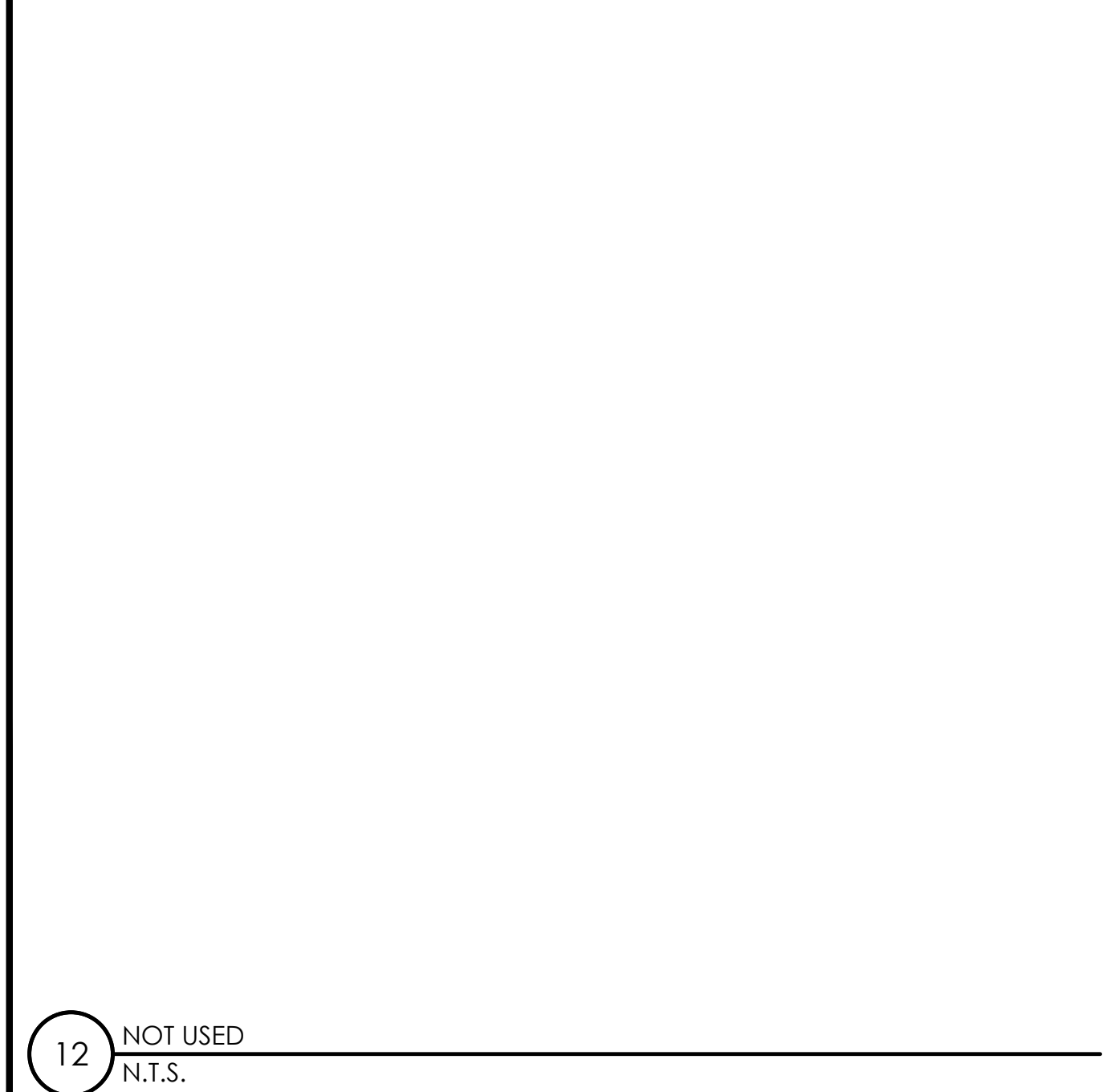
8 NOT USED
N.T.S.



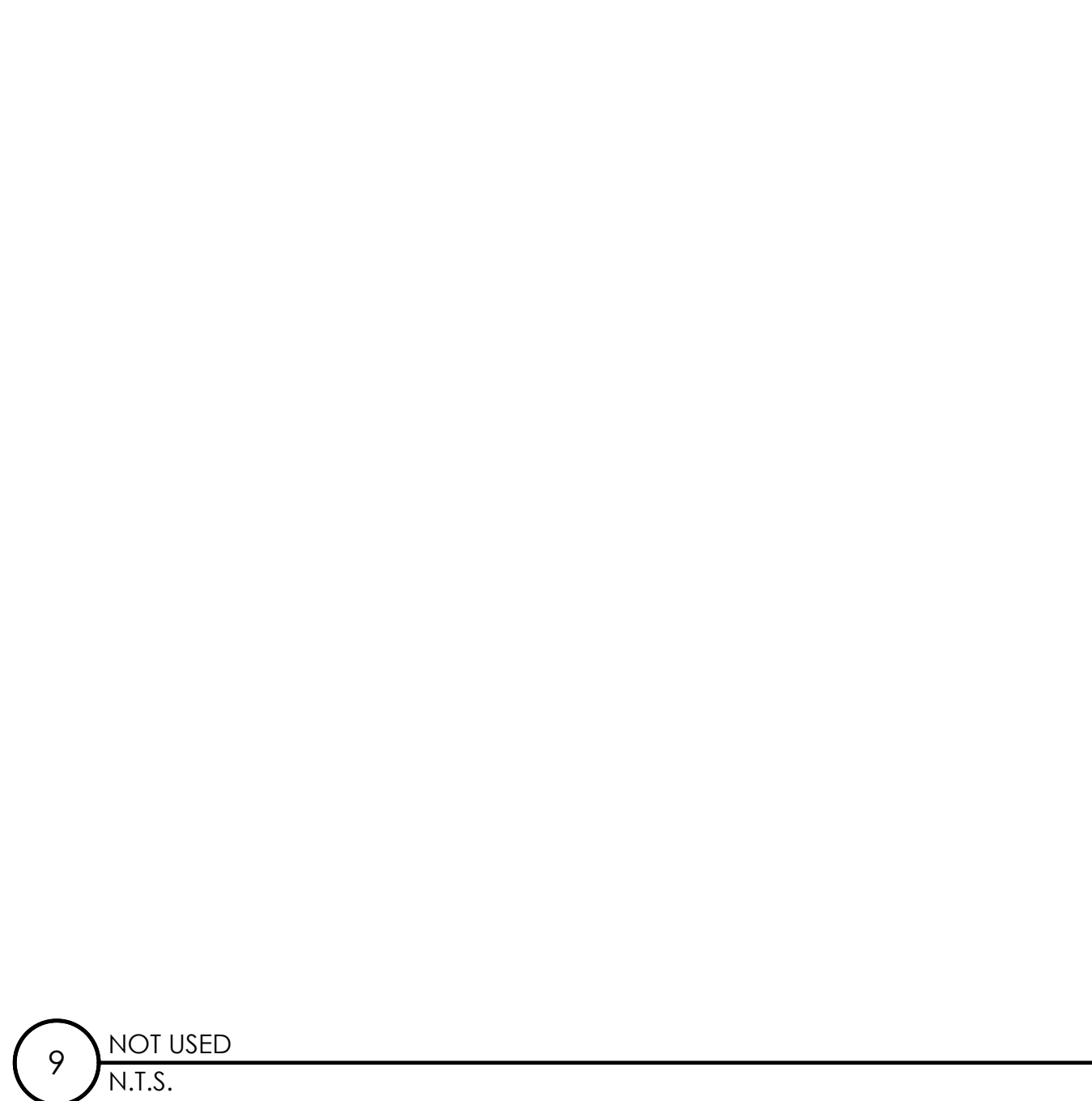
5 NOT USED
N.T.S.



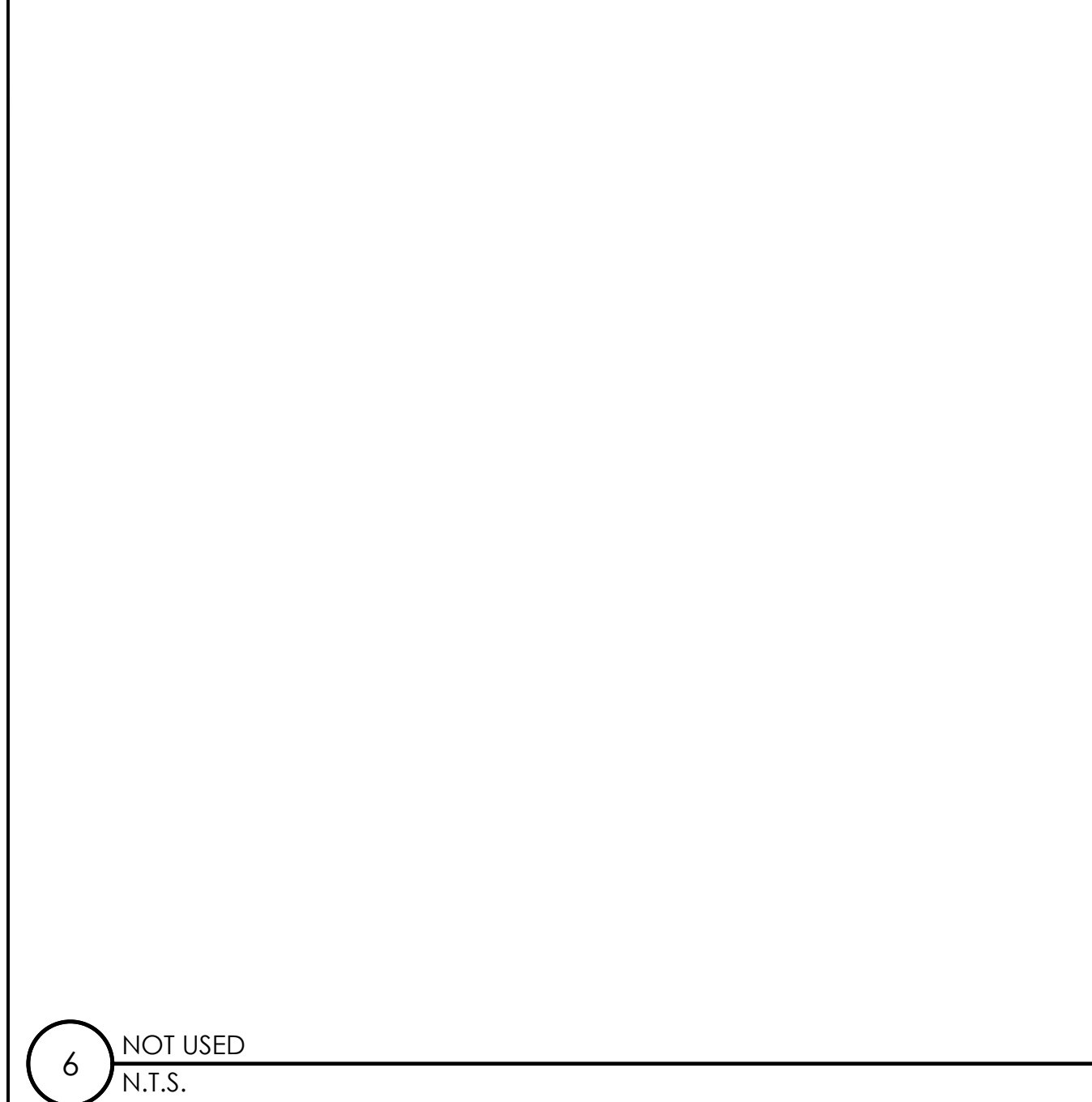
2 WEIGHTED COIR LOGS
N.T.S.



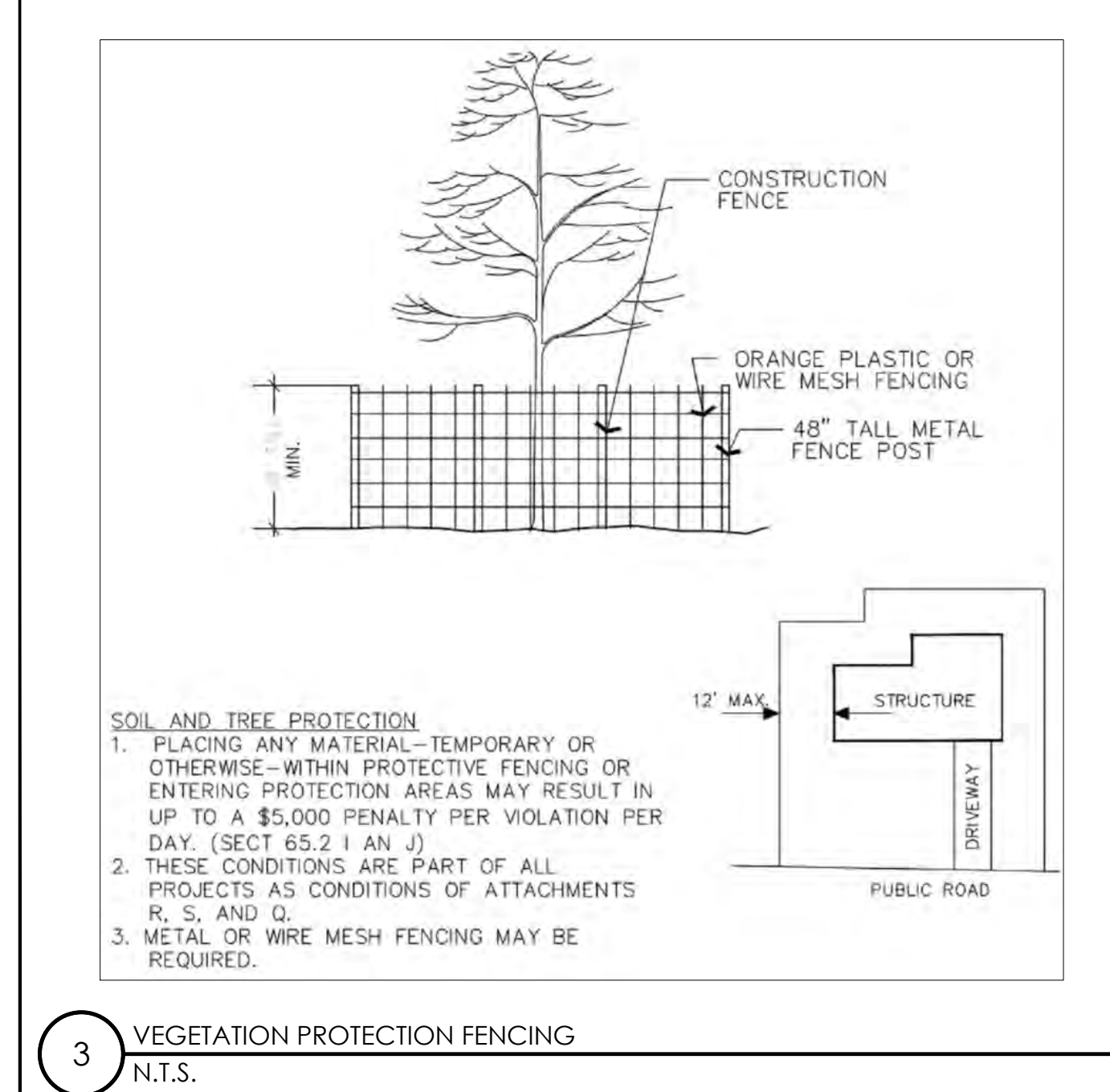
12 NOT USED
N.T.S.



9 NOT USED
N.T.S.



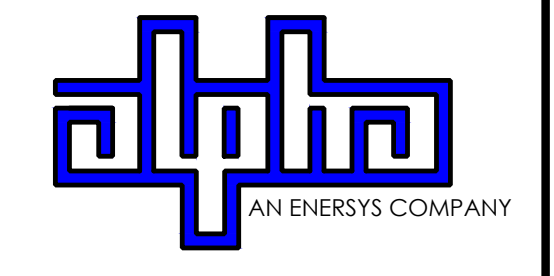
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

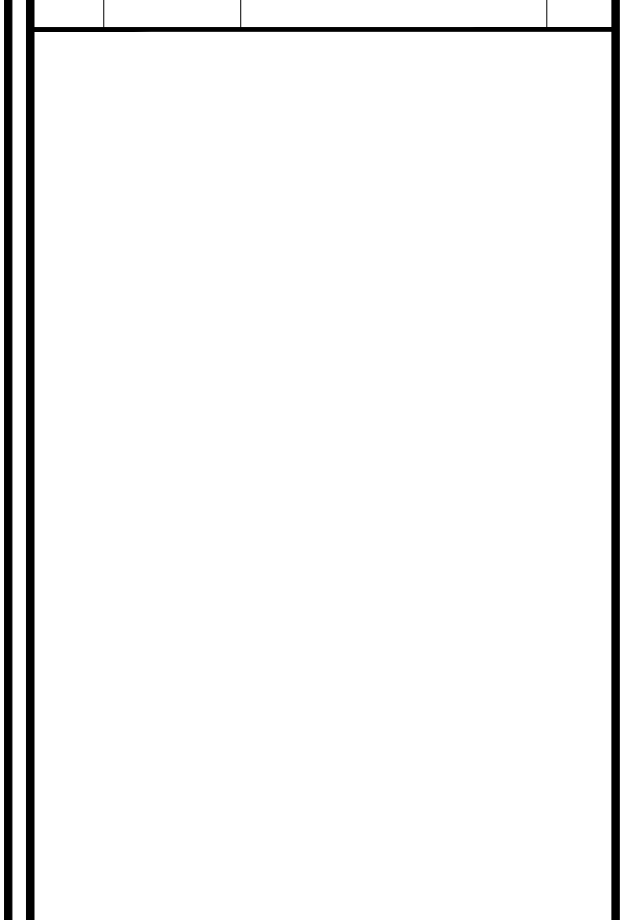


23 MAUCHLY, STE 110
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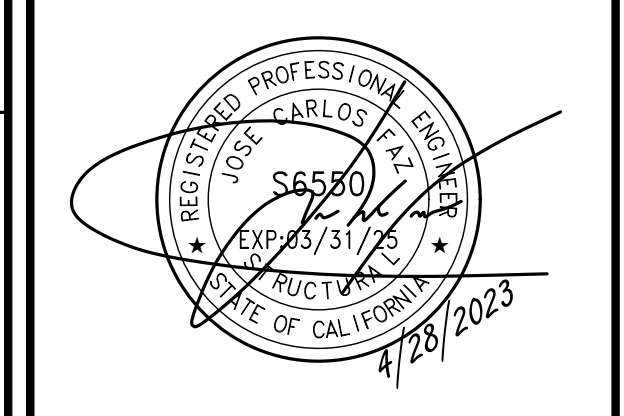
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0	12/27/21	100% CD	BN
1	07/01/22	MODEL REDESIGN	MZ
2	12/05/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	06/22/23	100% CD REV PER PCC#3	ES
5	09/22/23	100% CD REVISION	JDJ



SEAL



SITE INFORMATION

SITE ID:
ST117B_A

SITE ADDRESS:
3914 SADDLE RD,
SOUTH LAKE TAHOE, CA
96150

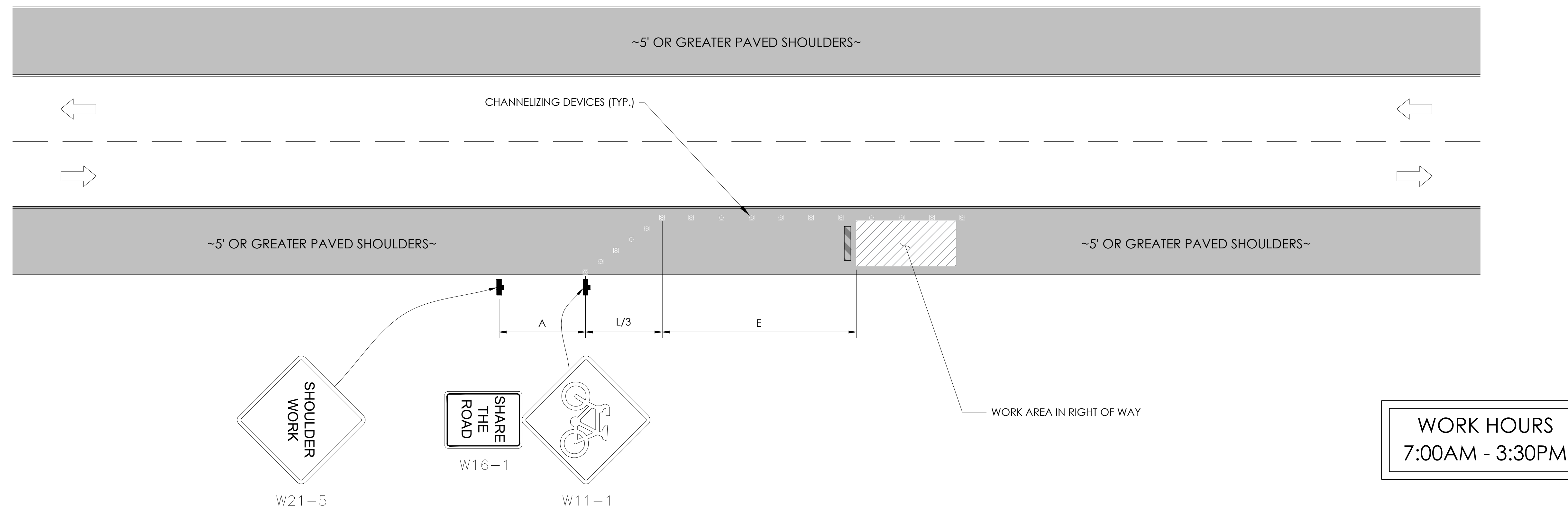
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



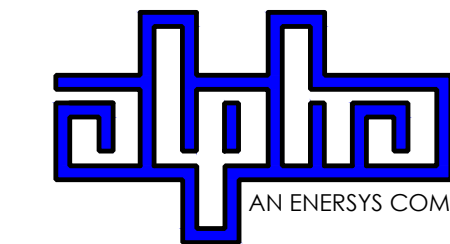
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2019, 14TH EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



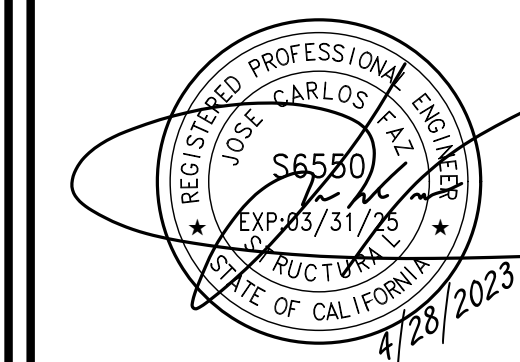
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069678

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	BN
1	07/01/22	MODEL REDESIGN	MZ
2	12/05/22	100% CD REV PER PCC#1	LG
3	04/28/23	100% CD REV PER PCC#2	ES
4	06/22/23	100% CD REV PER PCC#3	ES
5	09/22/23	100% CD REVISION	JDJ

SEAL



SITE INFORMATION

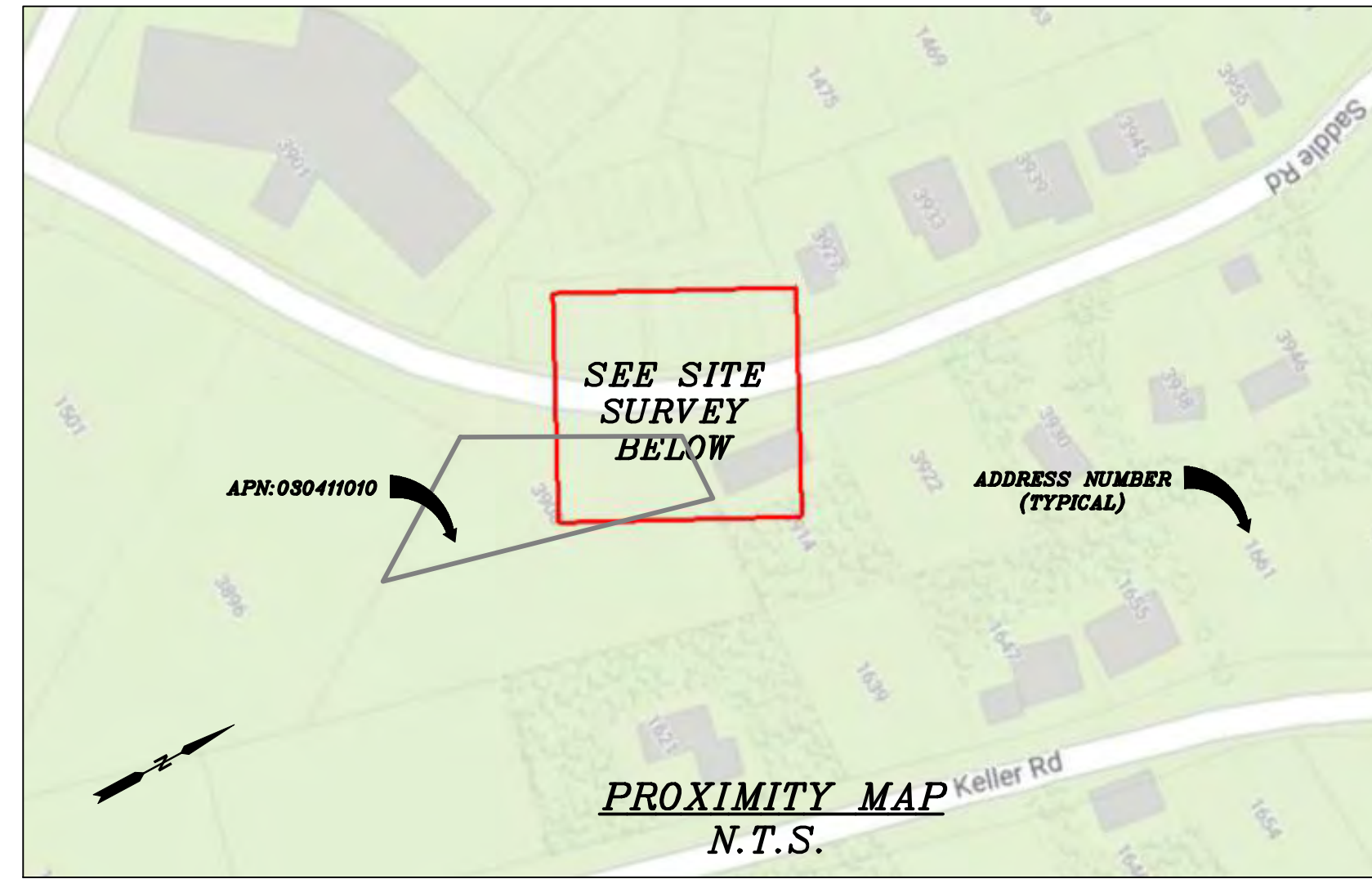
**SITE ID:
ST117B_A**

SITE ADDRESS:
3914 SADDLE RD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

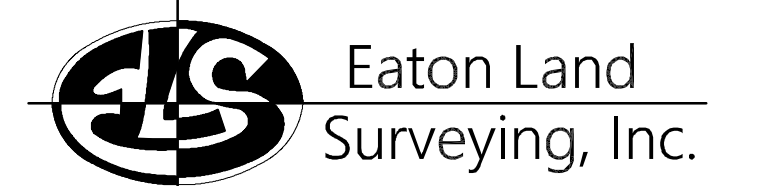
TRAFFIC CONTROL

TC1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	09/23/23	SUBMITTAL



PROJECT INFORMATION:
ST117B_A
3914 SADDLE RD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/24/2023

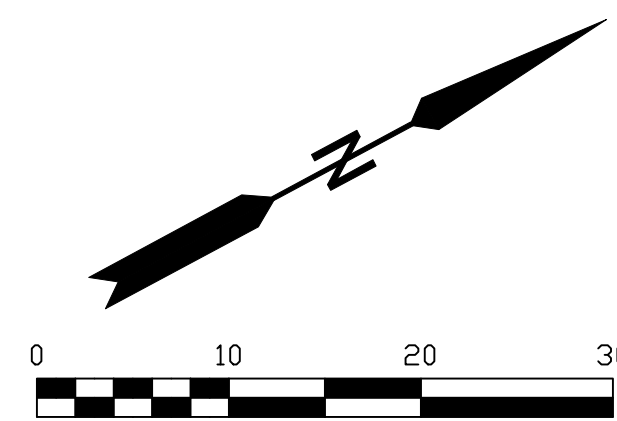
BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

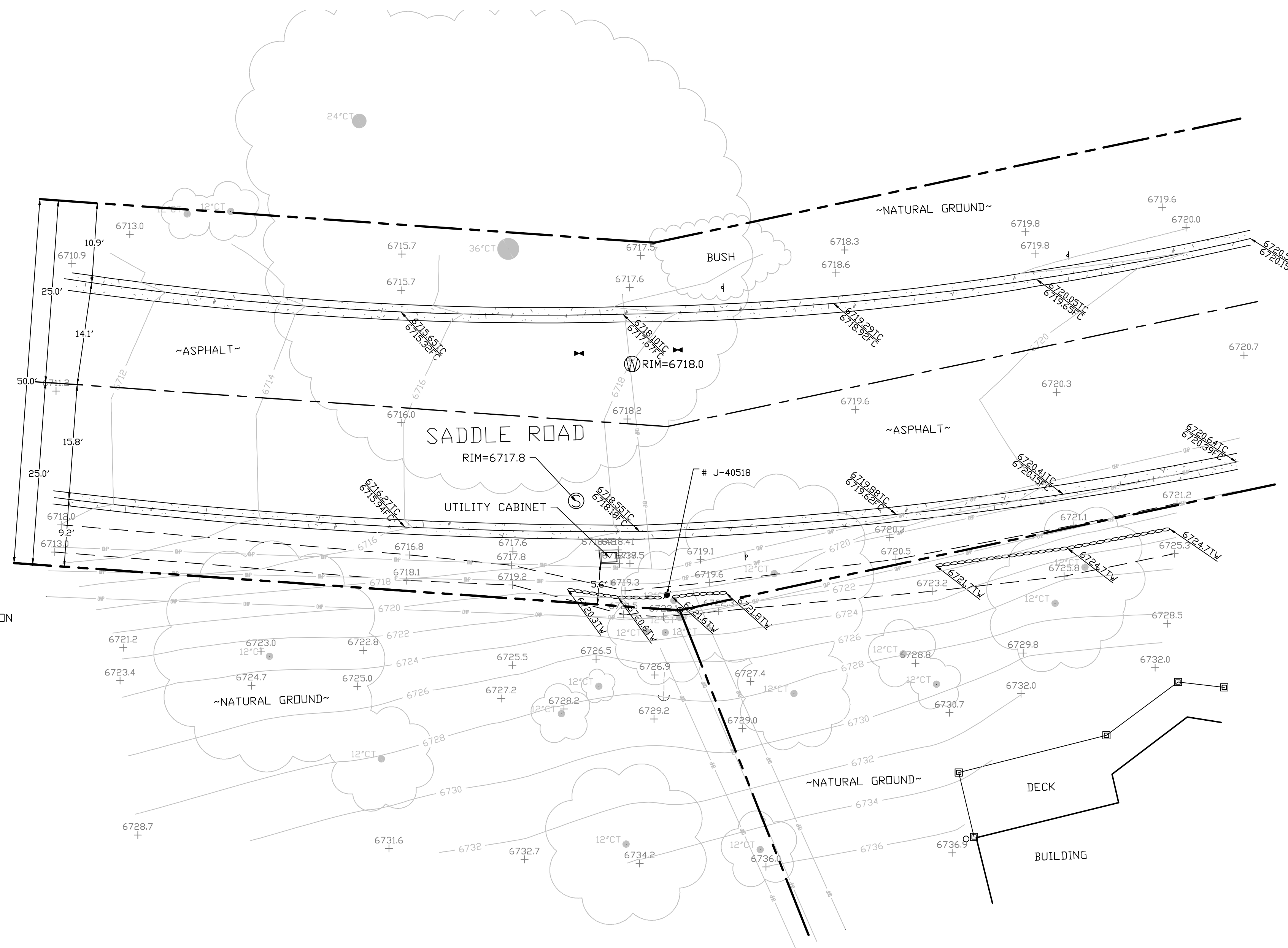
FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0385E, DATED 09/26/2008.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THIS SURVEY WAS MADE WITHOUT THE BENEFIT OF A TITLE REPORT. THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK C PAGE(S) 80 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.



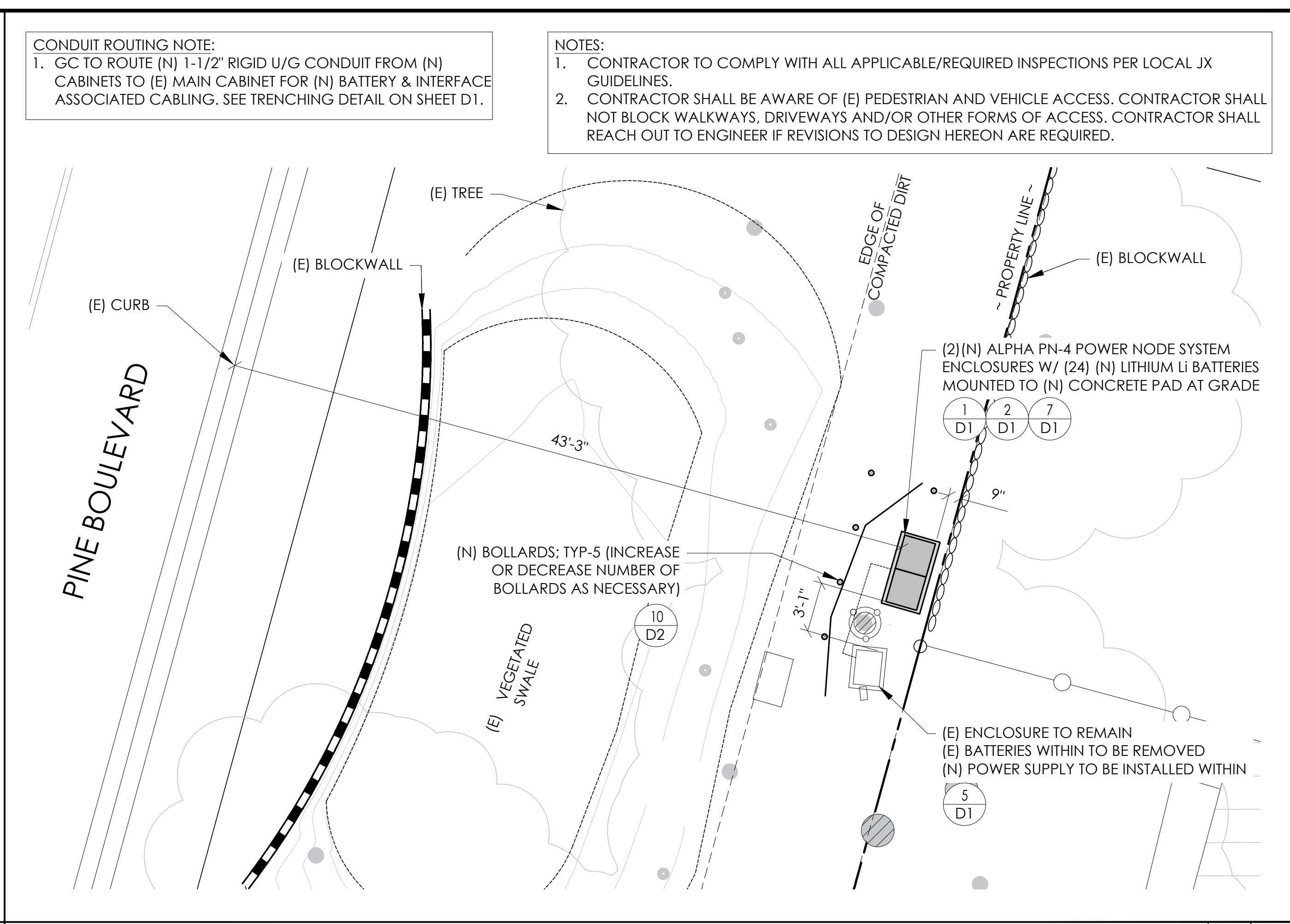
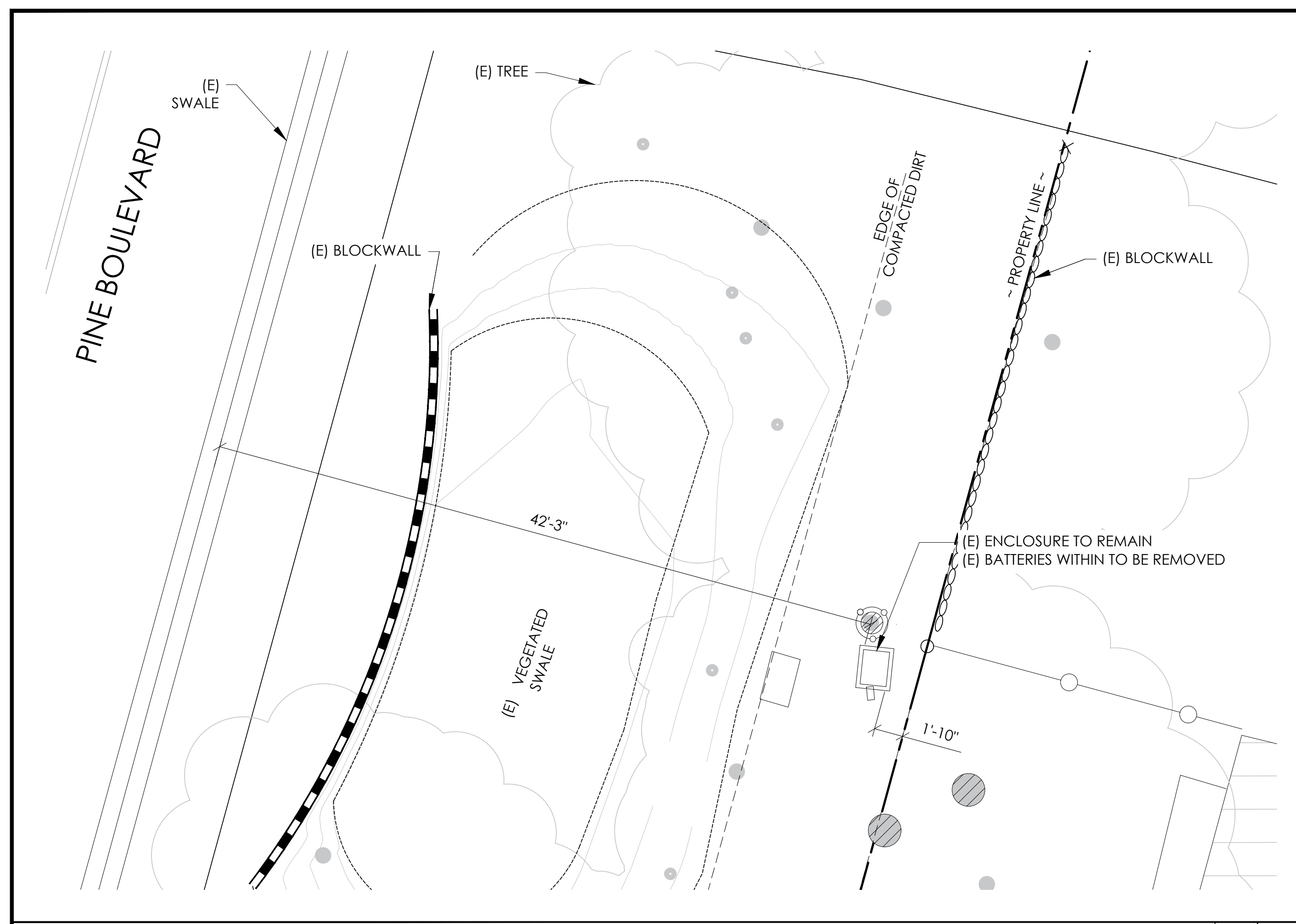
- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE CENTER LINE
 - OVERHEAD LINE
 - FENCE HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN
 - FOUND MONUMENT



SITE SURVEY
SCALE 1"=10'



Know what's below.
Call before you dig.



CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

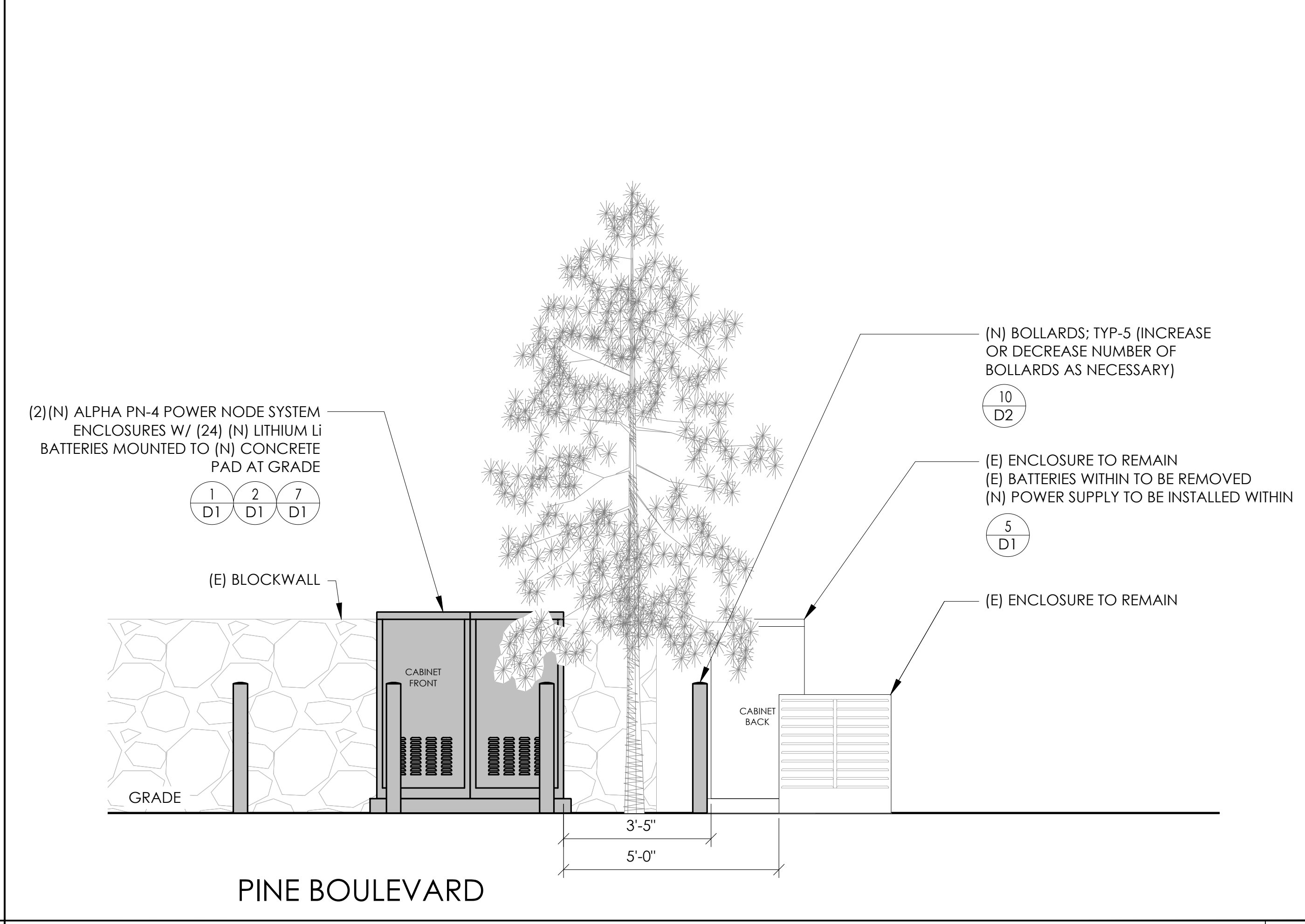
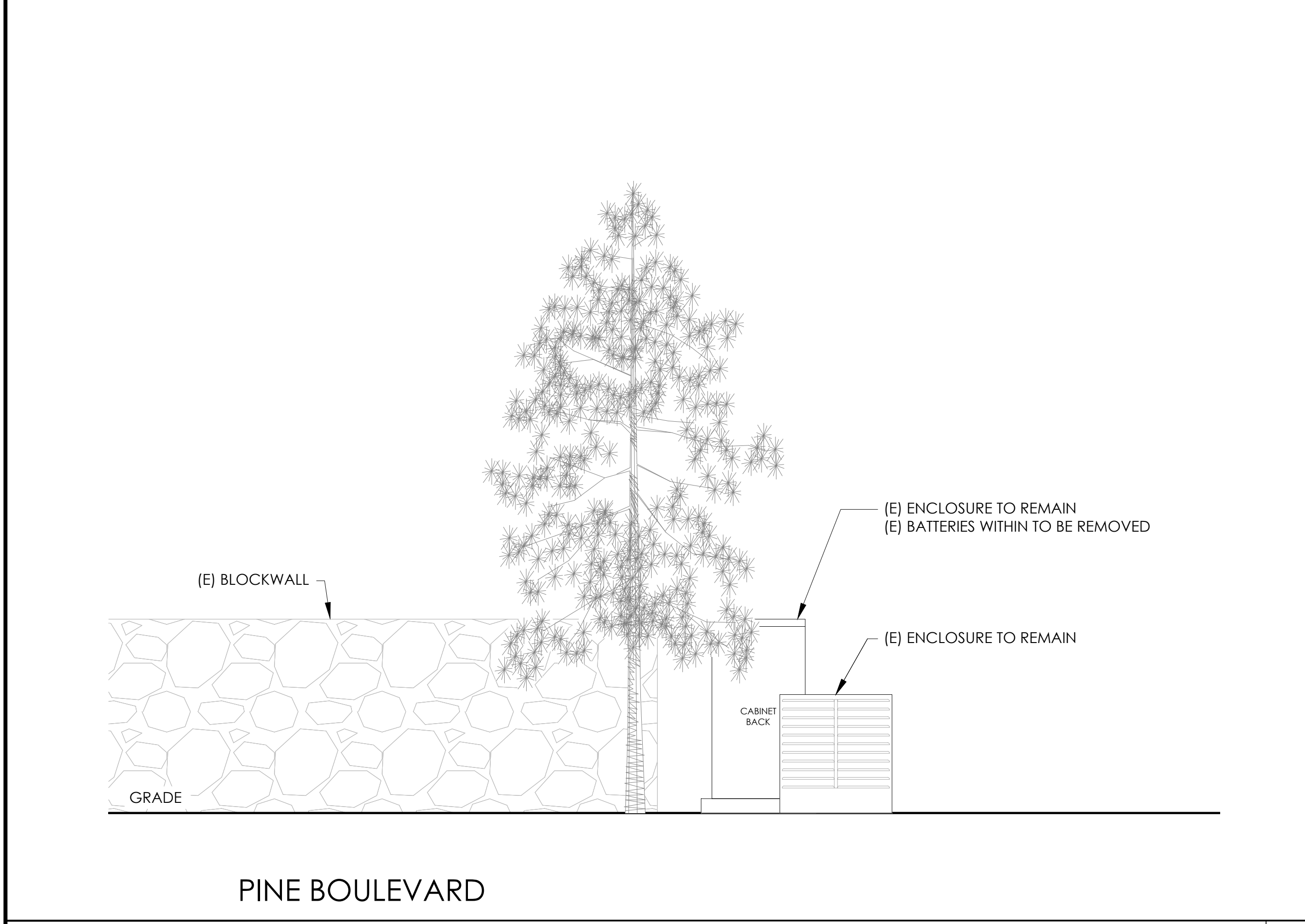
NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

EXISTING ENLARGED SITE PLAN

24"x36" SCALE: 3/16" = 1'-0"
 11"x17" SCALE: 3/32" = 1'-0"
 4' 2' 0" 4' NORTH 1

PROPOSED ENLARGED SITE PLAN

24"x36" SCALE: 3/16" = 1'-0"
 11"x17" SCALE: 3/32" = 1'-0"
 4' 2' 0" 4' NORTH 2



EXISTING ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2' NORTH 3

PROPOSED ELEVATION

24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2' NORTH 4

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069675

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	IK
1	11/28/22	REVISION	AR
2	05/19/23	100% CD PCC	RD
3	10/12/23	SURVEY ADD	JDJ

SEAL

FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

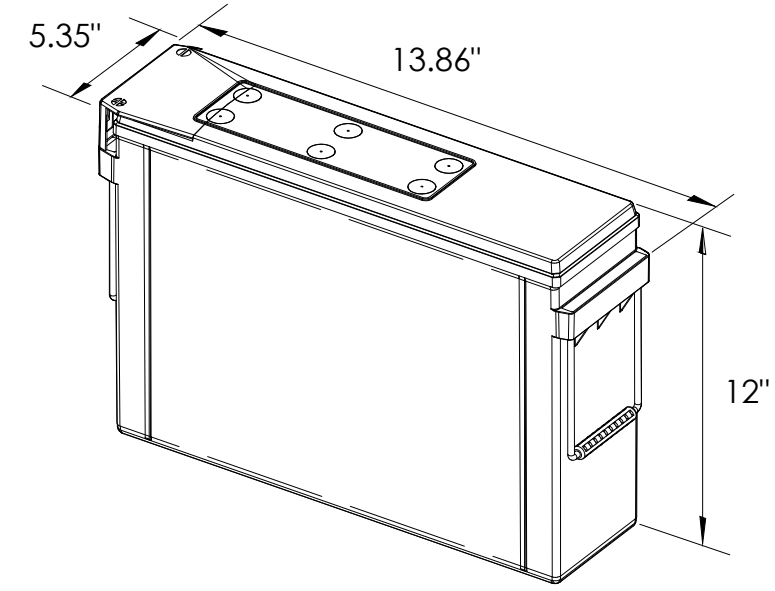
SITE INFORMATION

**SITE ID:
ST114B_A**

SITE ADDRESS:
4082 PINE BLVD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



EQUIPMENT SPECIFICATIONS (1 UNIT)

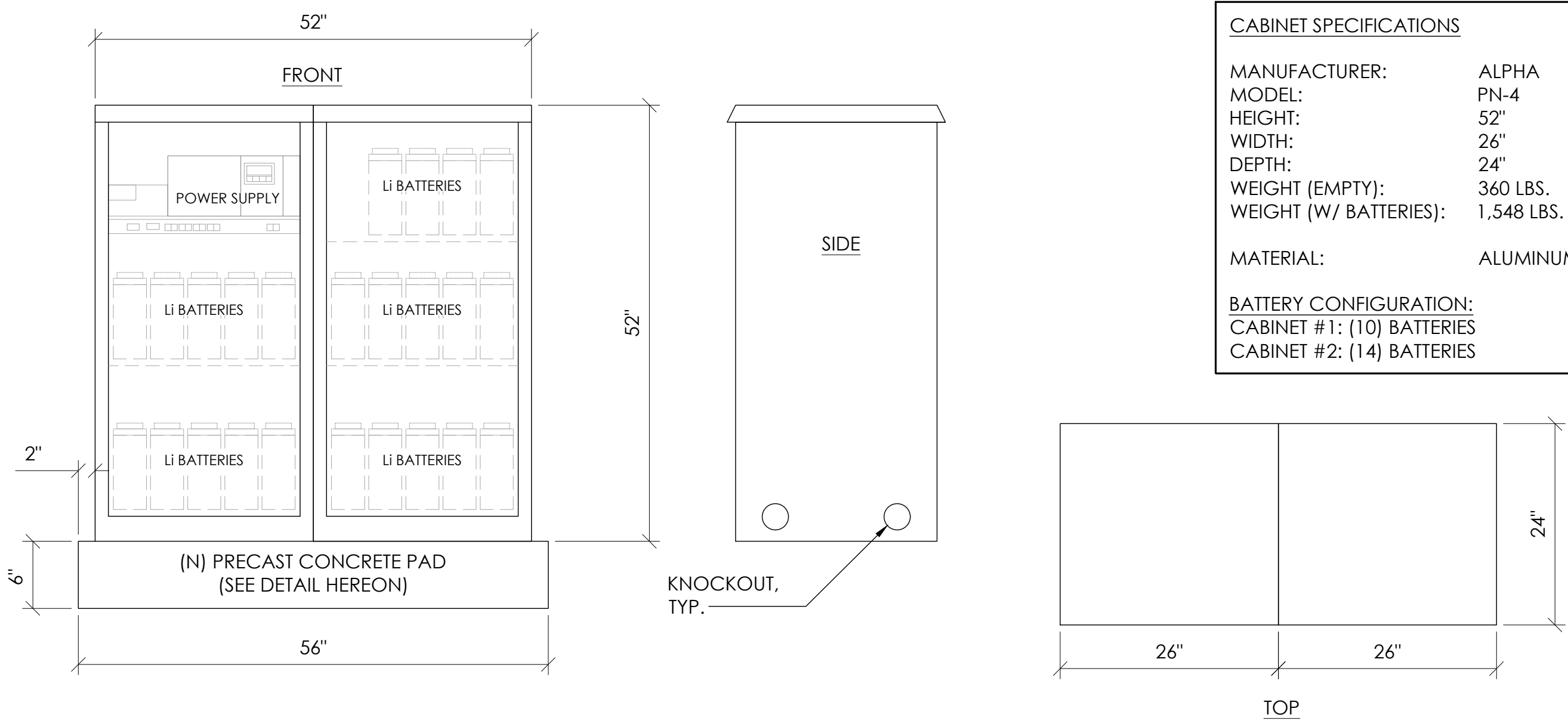
MFG: POWERSAFE
 MODEL: LITE 3.6
 HEIGHT: 12 IN
 WIDTH: 5.35 IN
 LENGTH: 13.86 IN
 WEIGHT: 49.5 LBS

PRELIMINARY BATTERY SPECIFICATIONS SHOWN HEREON ARE FOR CONCEPTUAL PURPOSES ONLY

BATTERY INFORMATION (LITHIUM TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	POWERSAFE LITE 3.6	24	12	304	3.648	87.552			0	0
TOTAL		24				87.552	20	CFC 2019 SECTION 1206 APPLIES		0

7 LITHIUM BATTERY SPECIFICATIONS
N.T.S.



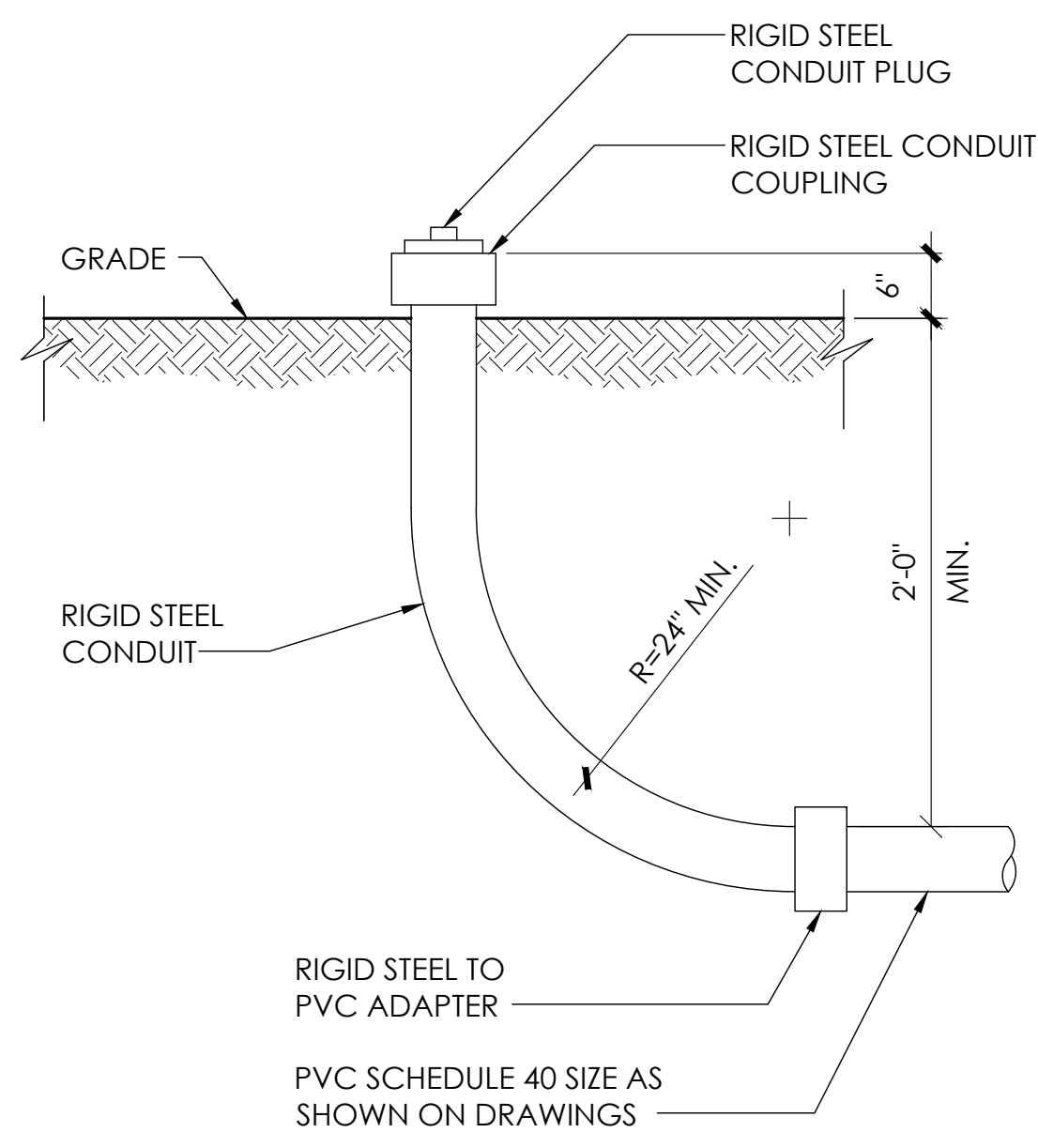
CABINET SPECIFICATIONS

MANUFACTURER: ALPHA
 MODEL: PN-4
 HEIGHT: 52"
 WIDTH: 26"
 DEPTH: 24"
 WEIGHT (EMPTY): 360 LBS.
 WEIGHT (W/ BATTERIES): 1,548 LBS.

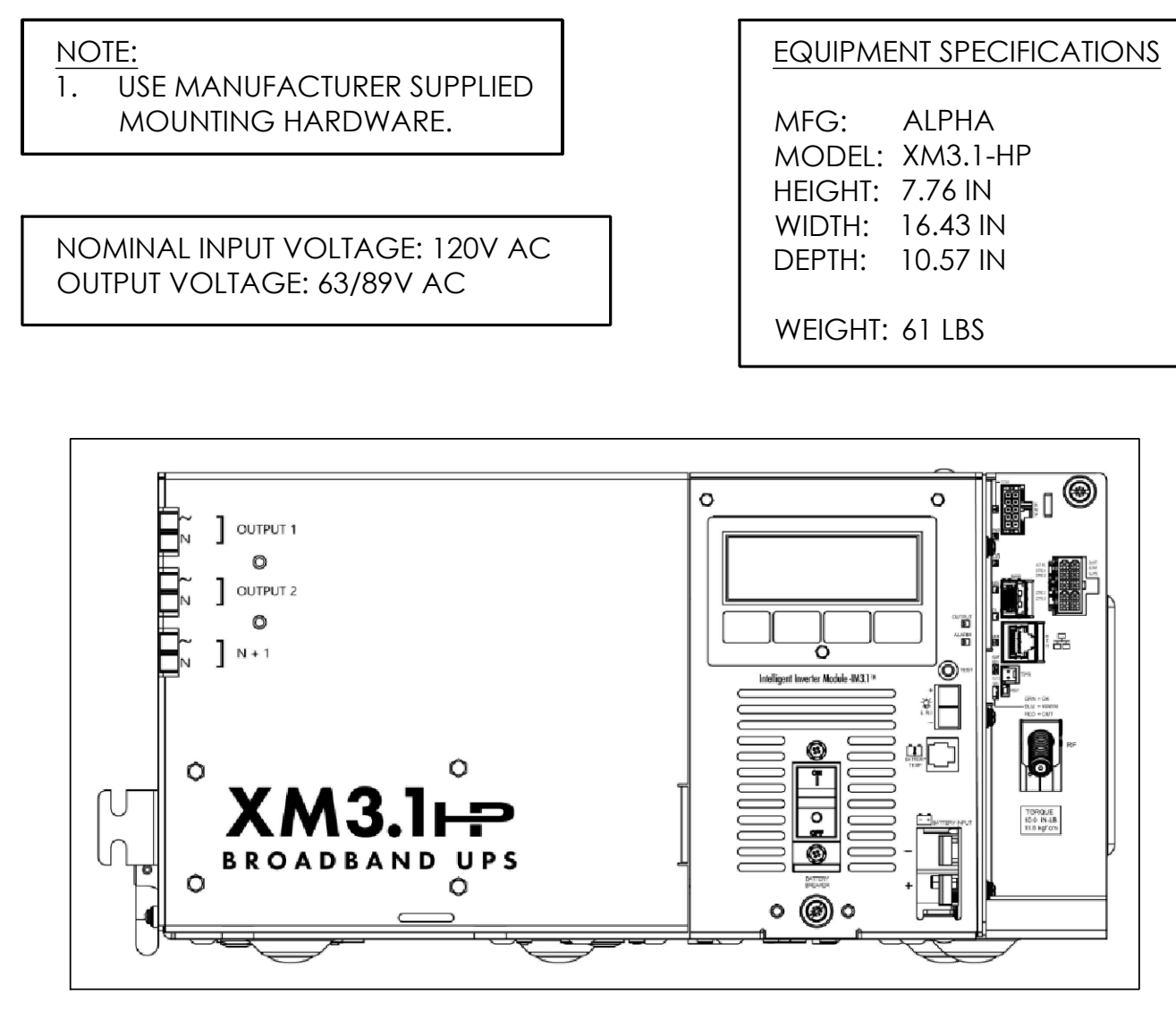
MATERIAL: ALUMINUM

BATTERY CONFIGURATION:
 CABINET #1: (10) BATTERIES
 CABINET #2: (14) BATTERIES

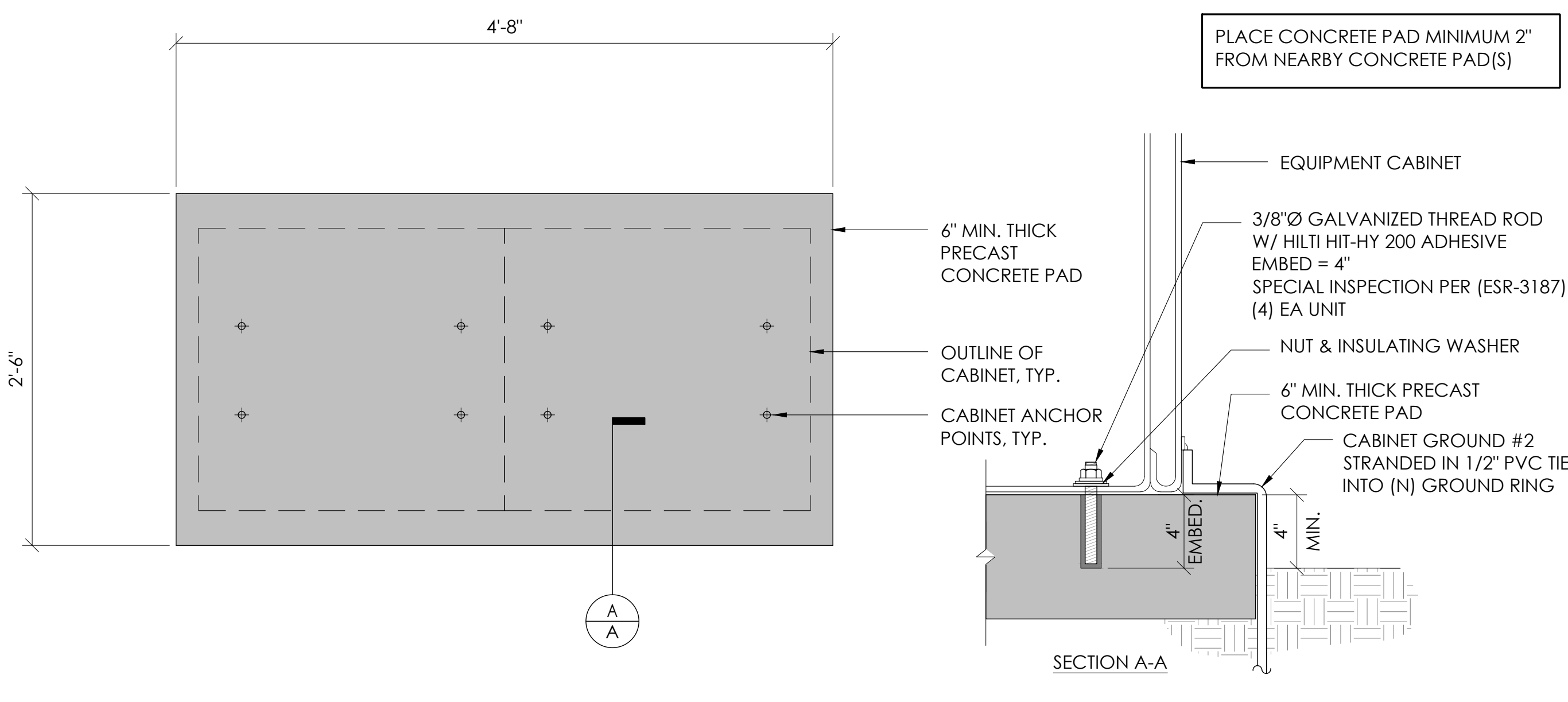
1 DUAL EQUIPMENT CABINET DETAIL
N.T.S.



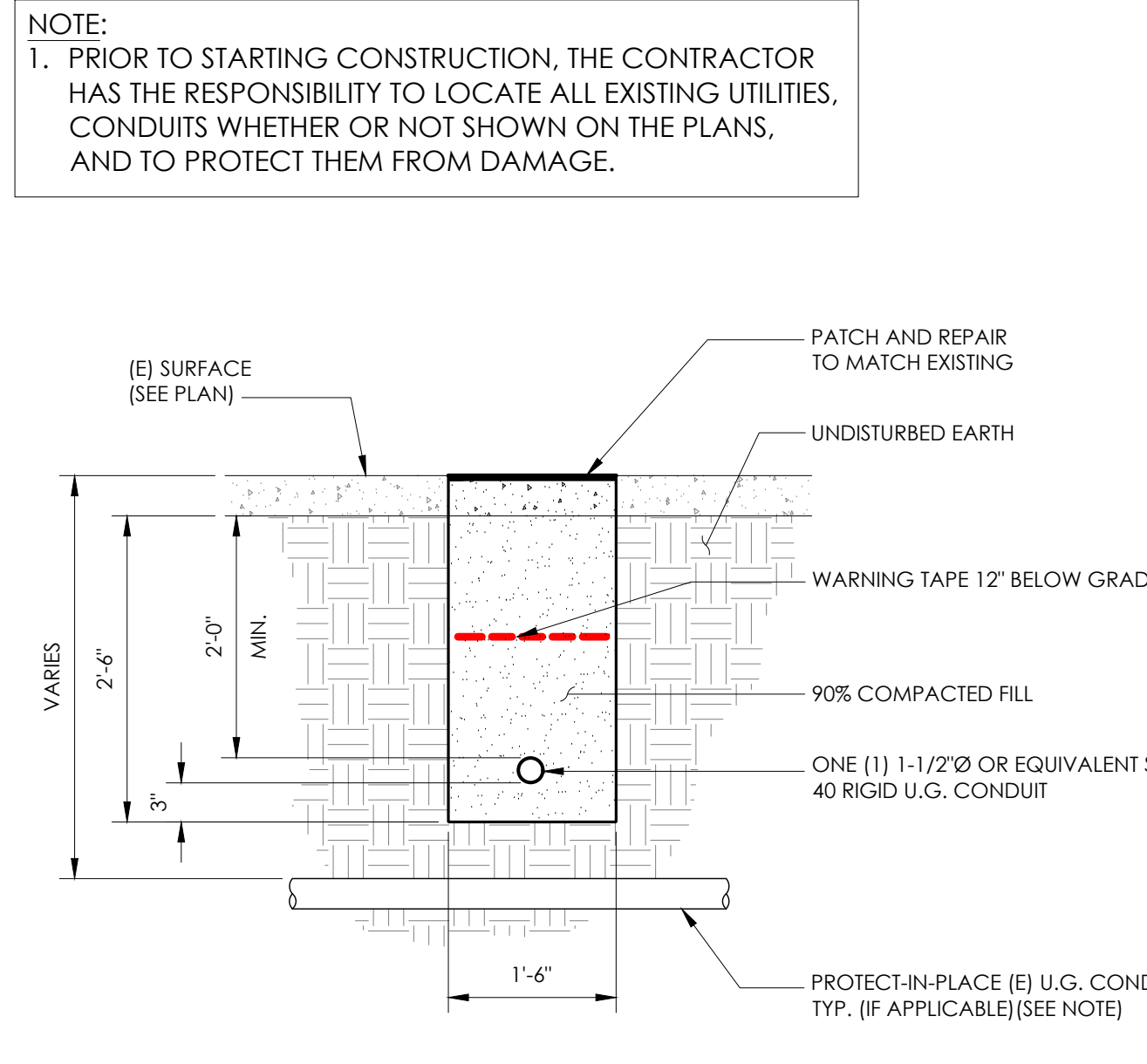
8 STUB-UP DETAIL
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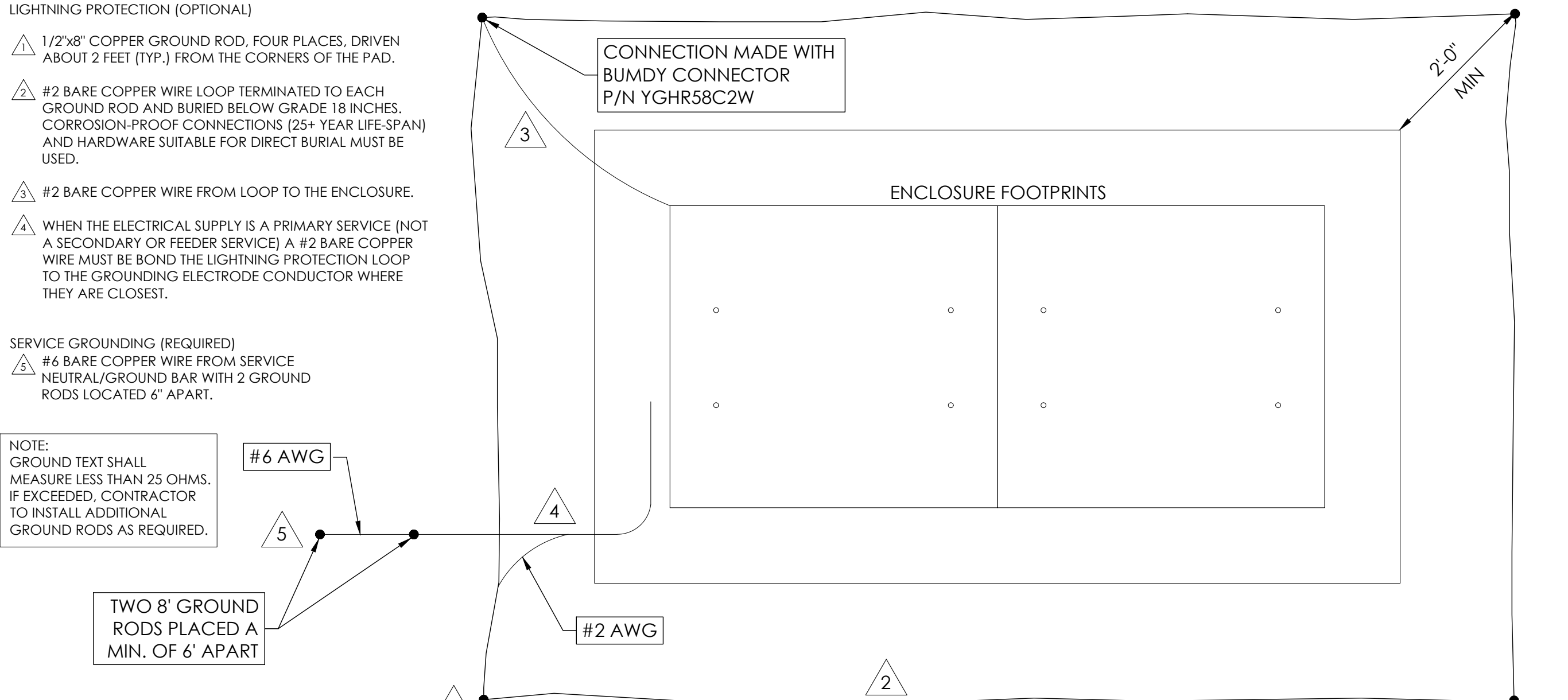
5 POWER SUPPLY DETAIL
N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.



6 TRENCHING DETAIL
N.T.S.



3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311



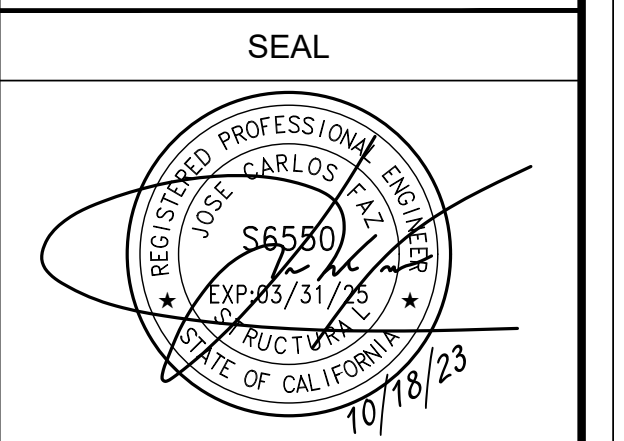
3767 ALPHA WAY
 BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-069675

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	IK
1	11/28/22	REVISION	AR
2	05/19/23	100% CD PCC	RD
3	10/12/23	SURVEY ADD	JDJ



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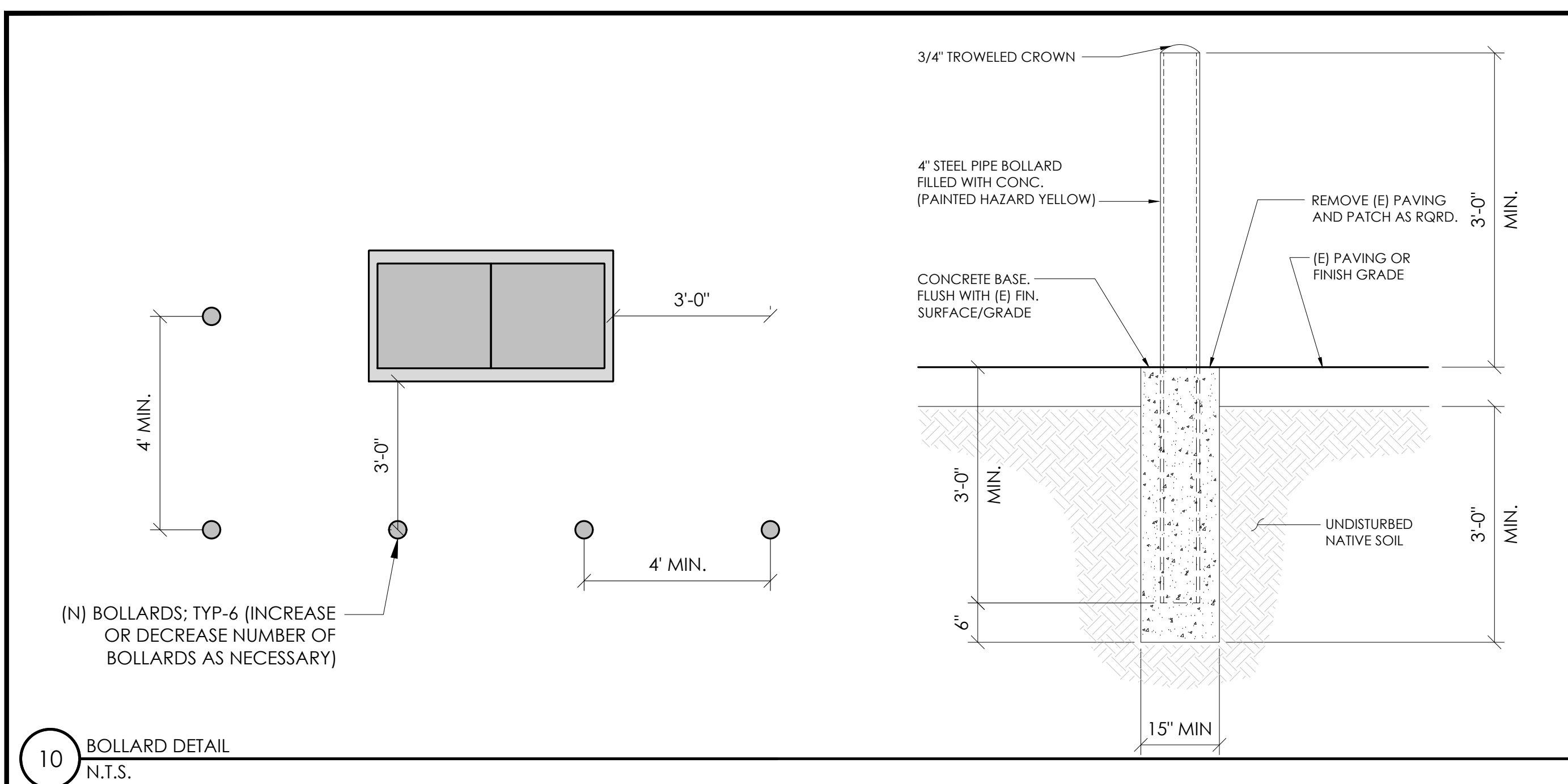
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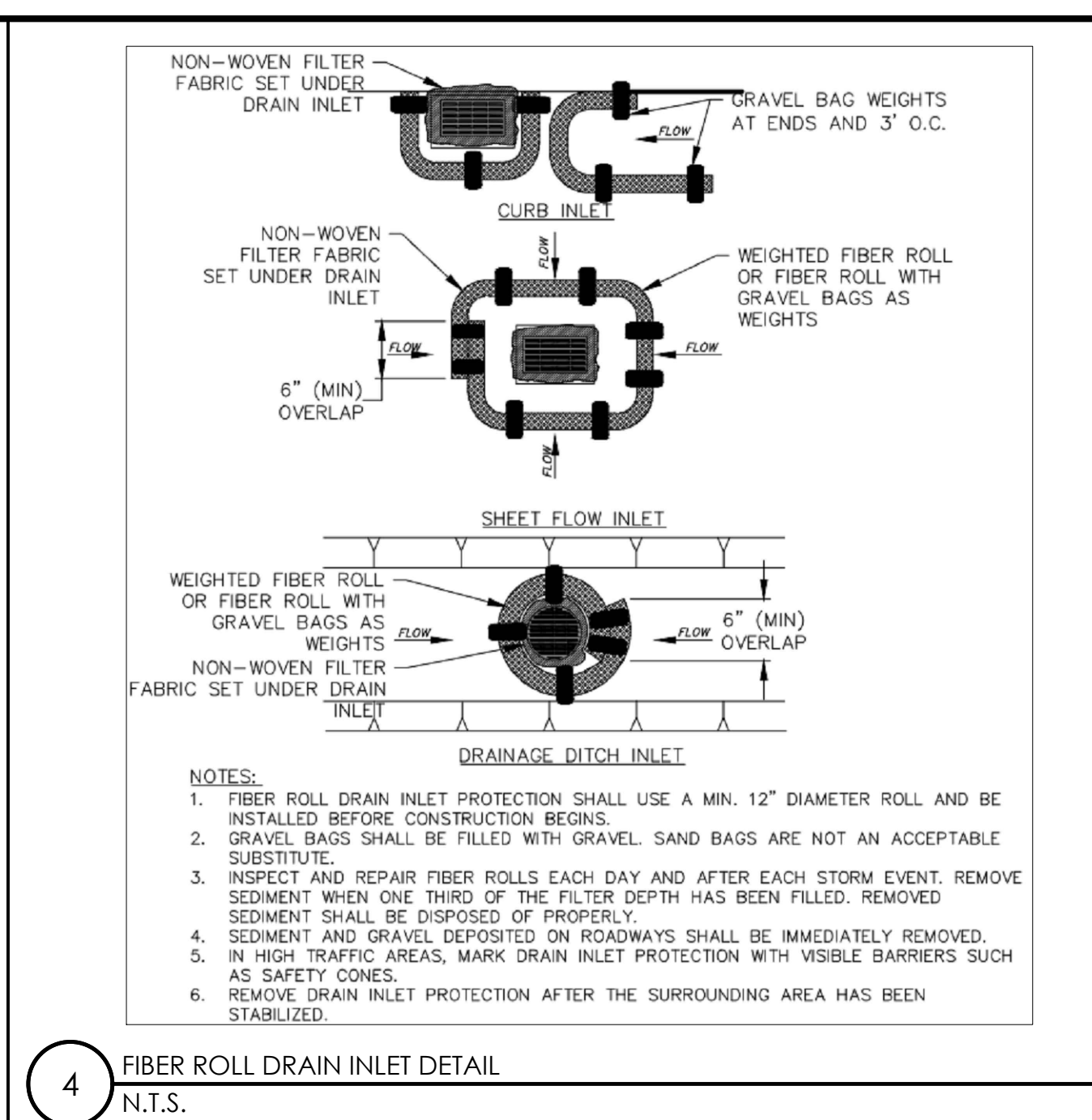
SITE ADDRESS:
 4082 PINE BLVD,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
 DETAILS

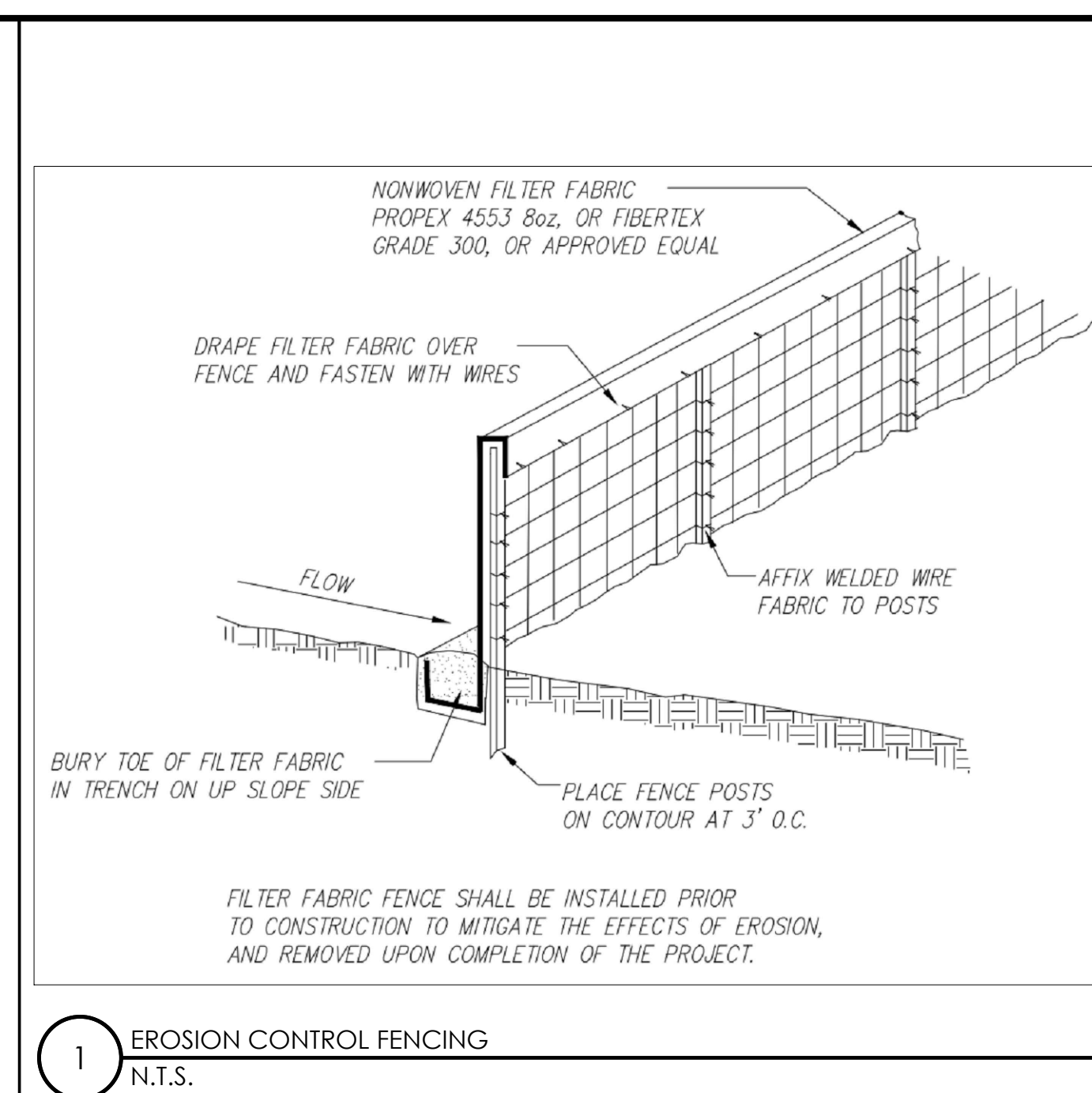
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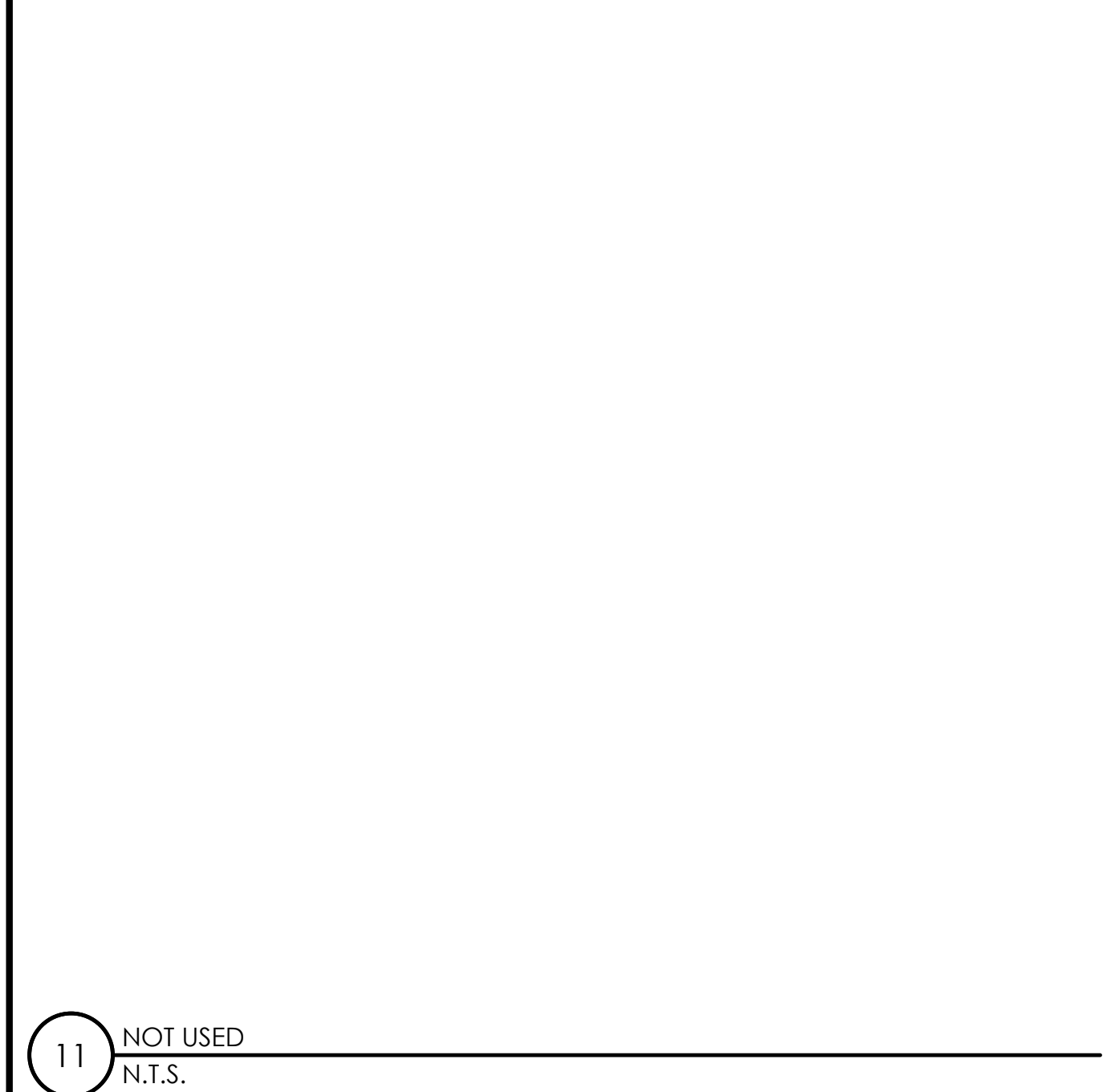
10 BOLLARD DETAIL
N.T.S.



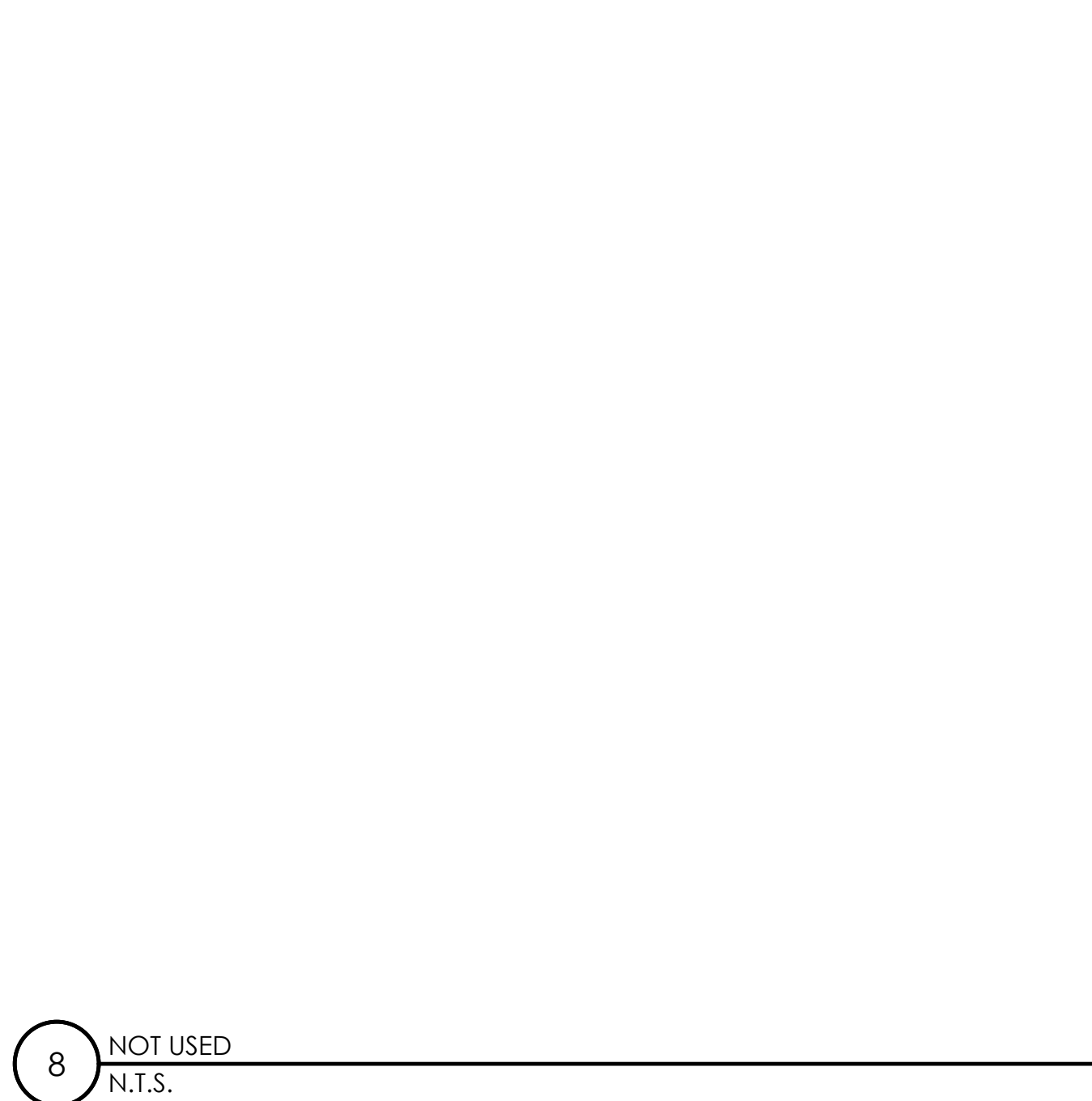
4 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



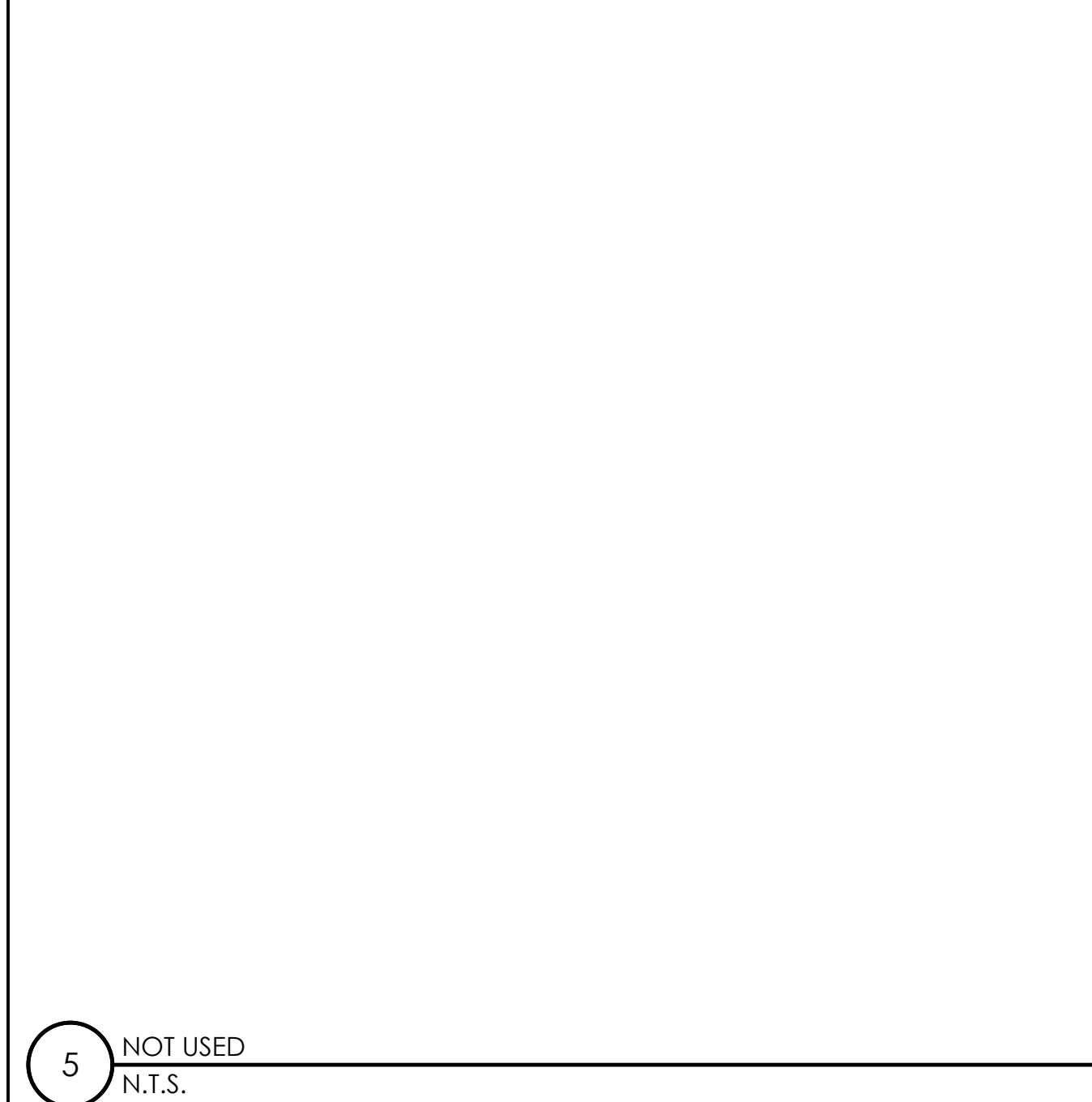
1 EROSION CONTROL FENCING
N.T.S.



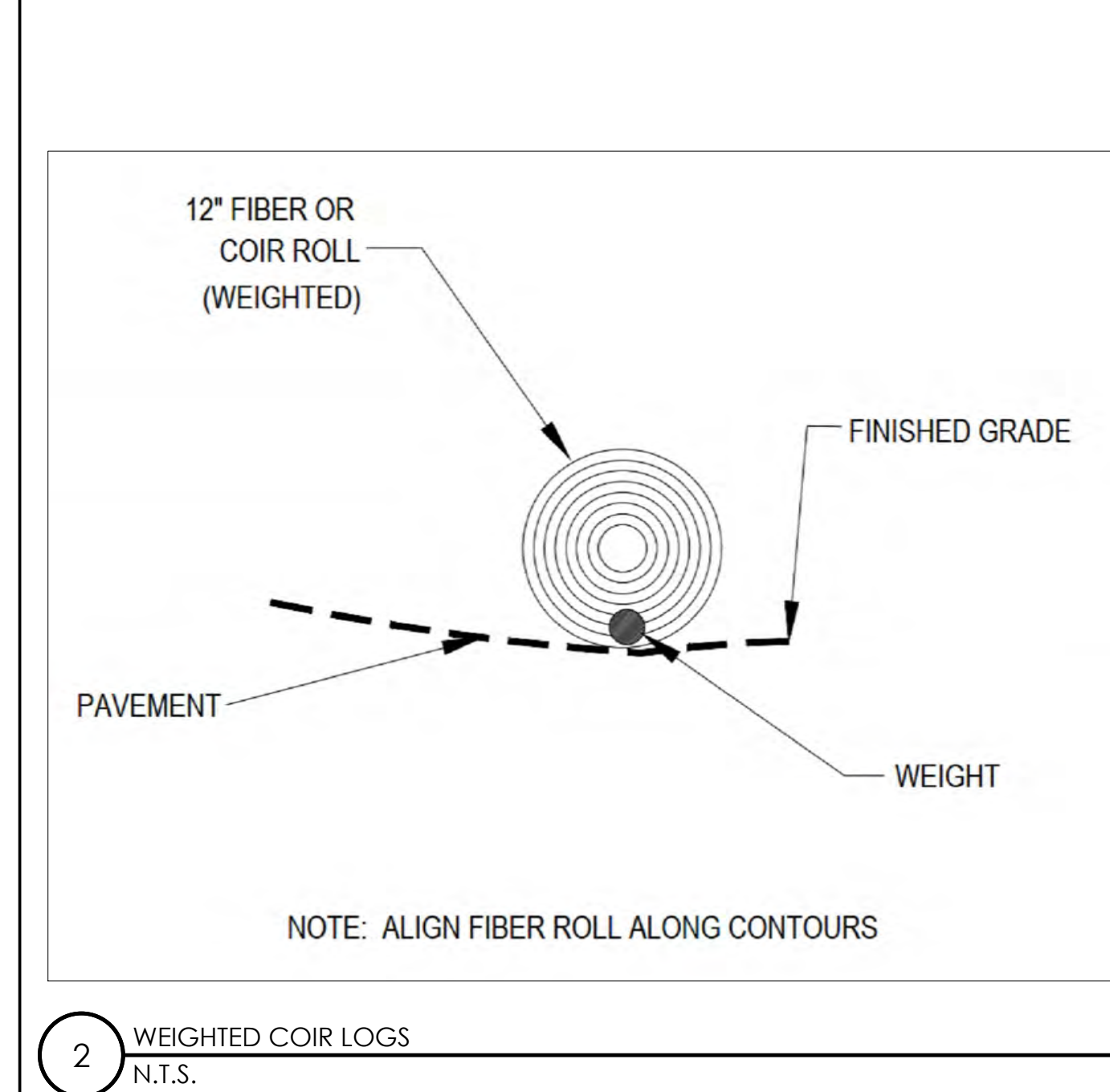
11 NOT USED
N.T.S.



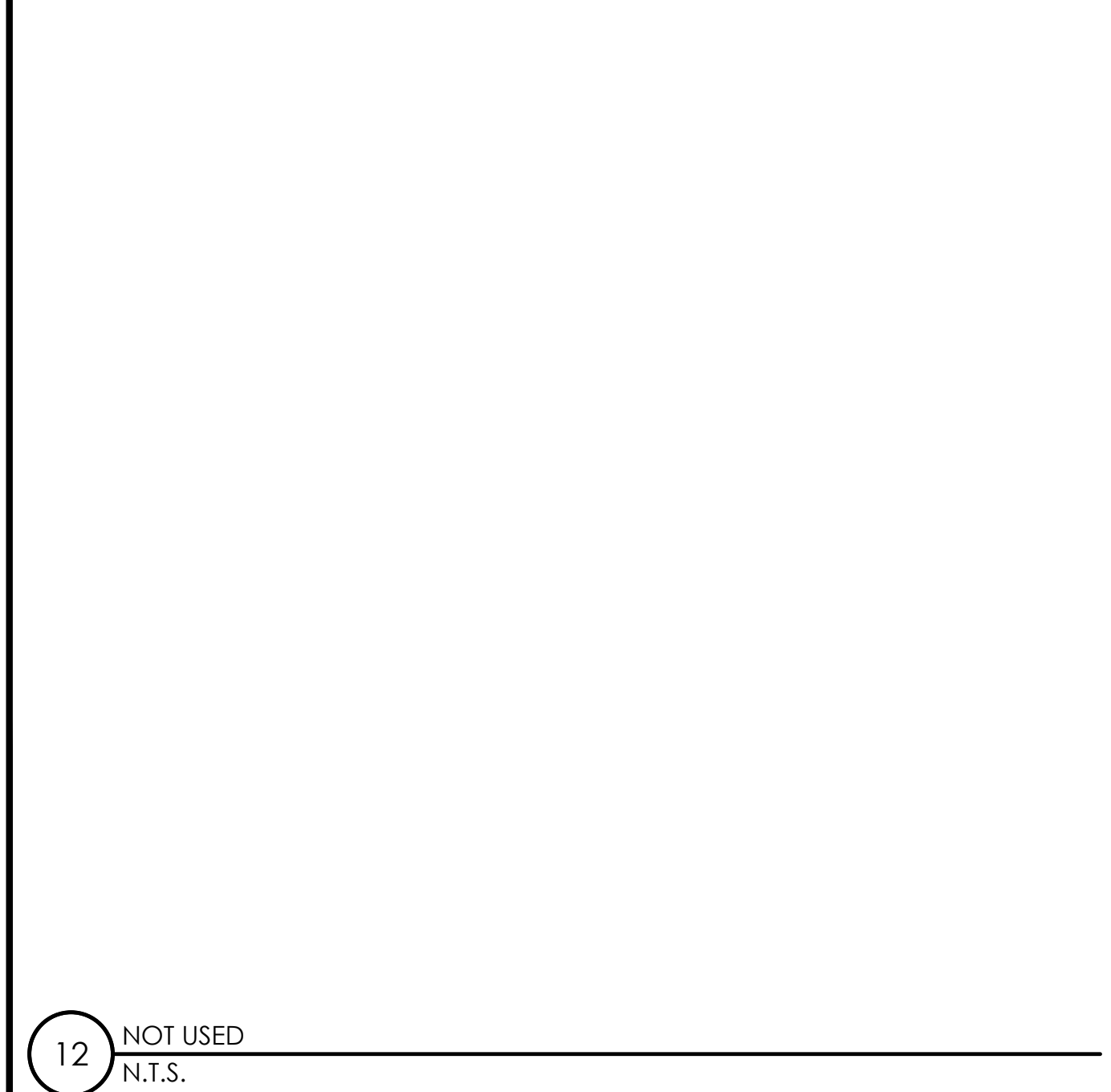
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N.T.S.



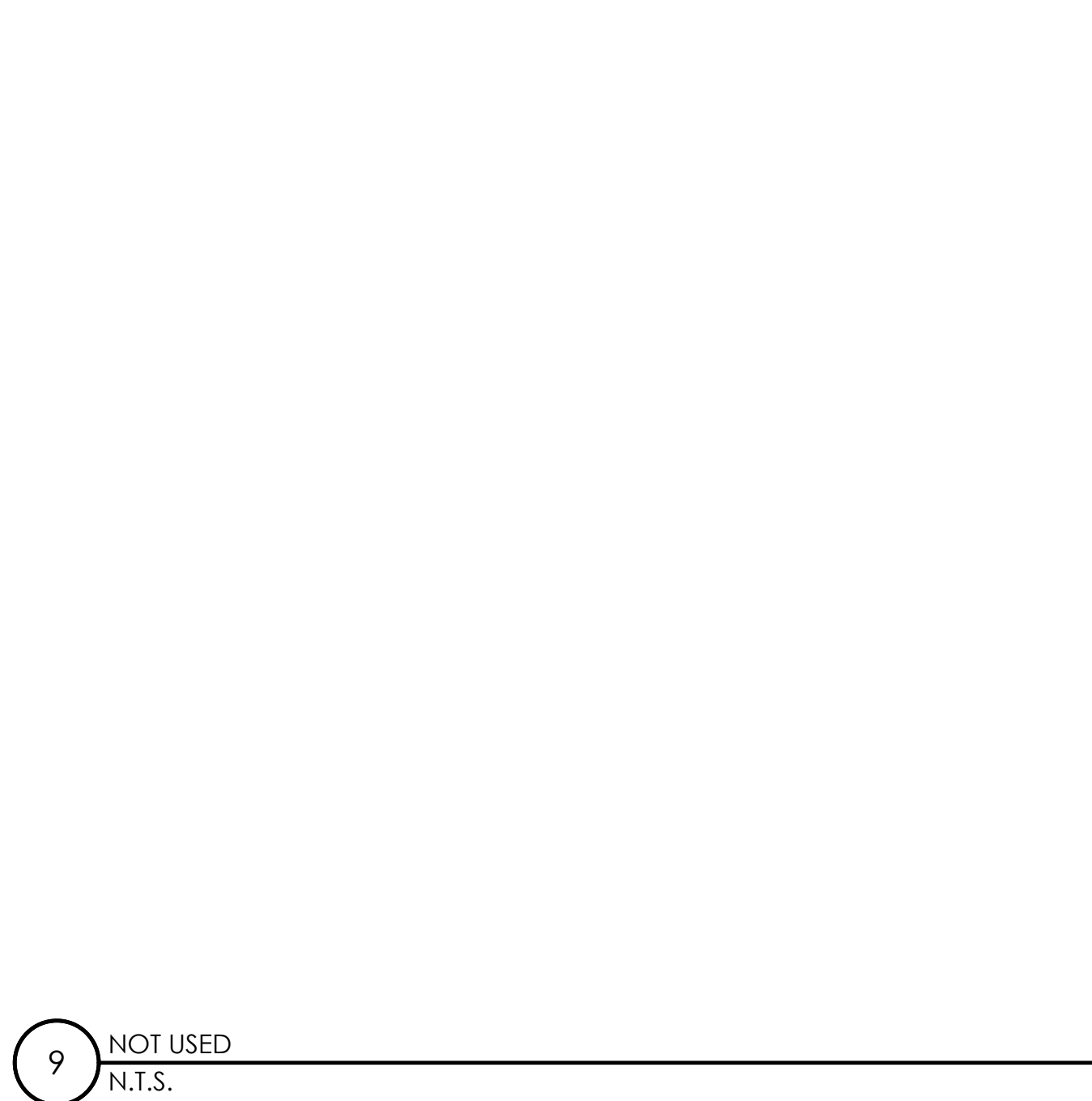
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N.T.S.



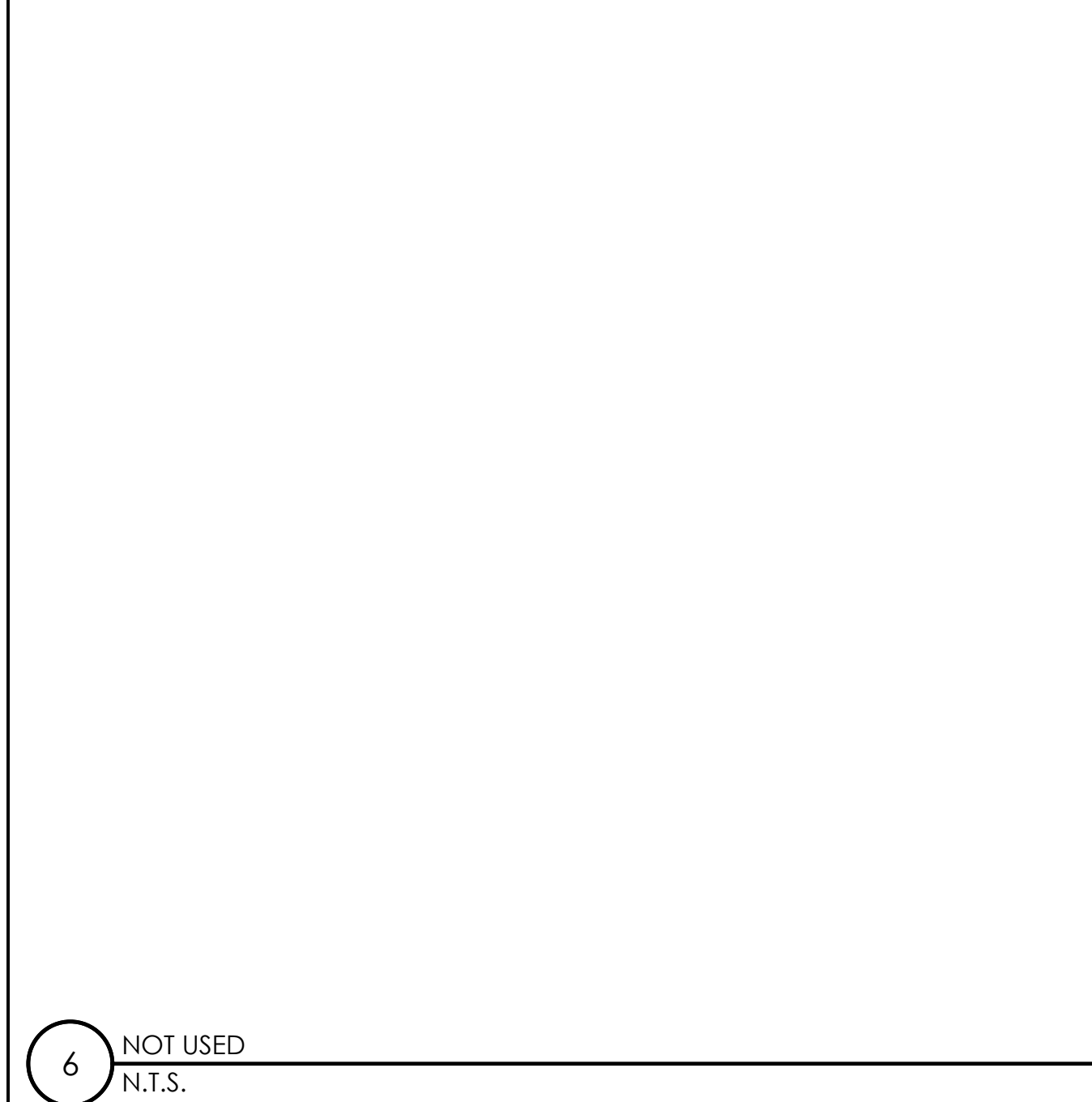
2 WEIGHTED COIR LOGS
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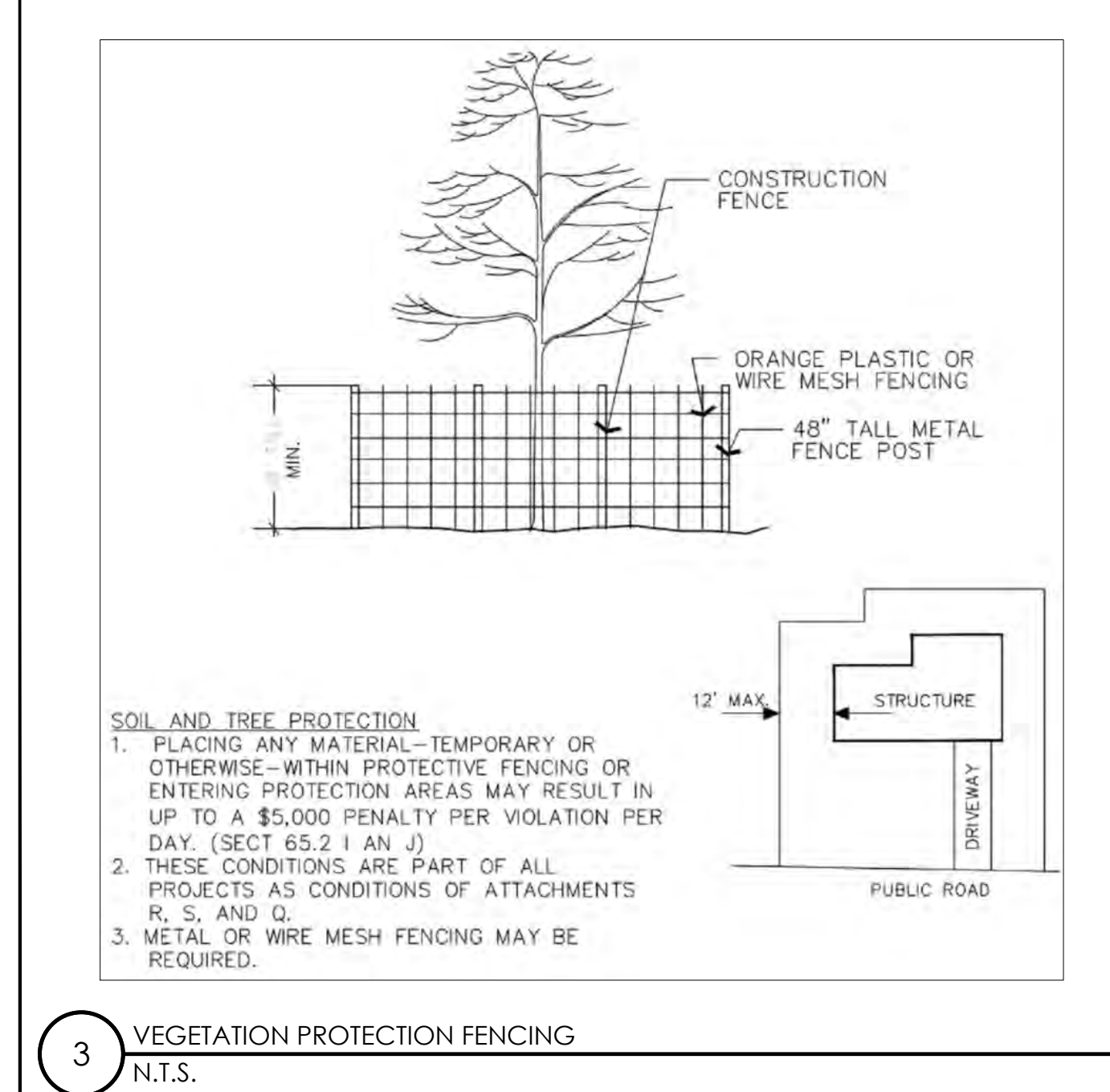
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N.T.S.



9 NOT USED
N.T.S.



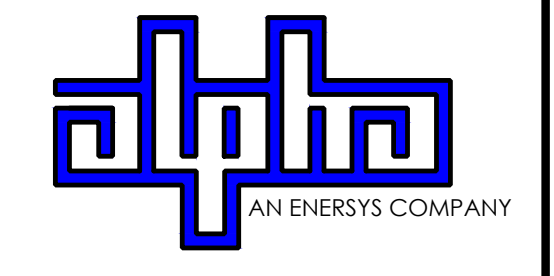
6 NOT USED
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

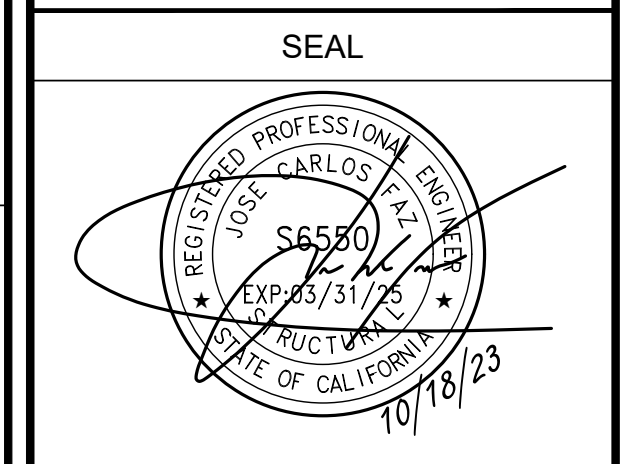
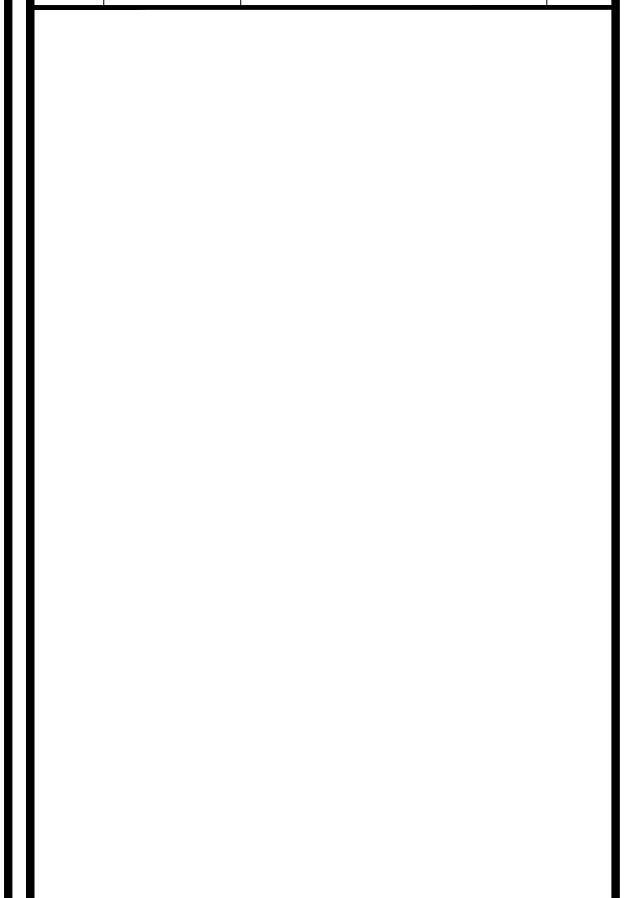


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069675

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
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SITE INFORMATION

SITE ID:
ST114B_A

SITE ADDRESS:
4082 PINE BLVD,
SOUTH LAKE TAHOE, CA
96150

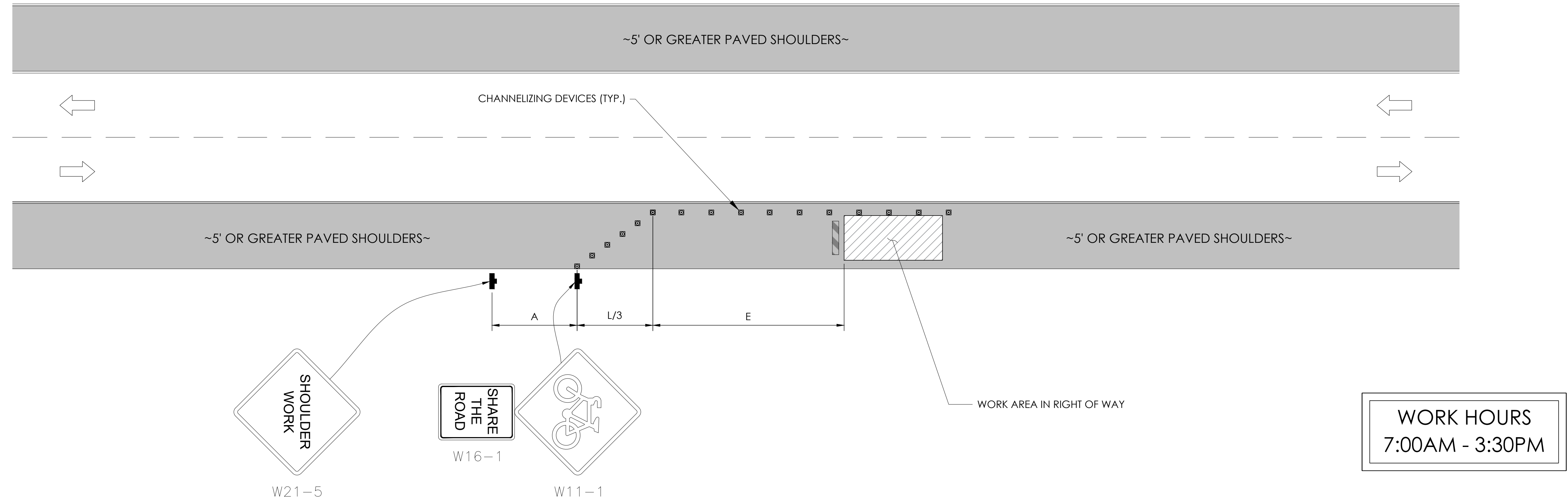
SHEET TITLE:
DETAILS

D2

TRAFFIC CONTROL FOR WORK ON SHOULDERS - RESIDENTIAL AREA

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION

PER STANDARDS AND GUIDANCE OF CA-MUTCD



GENERAL NOTES:

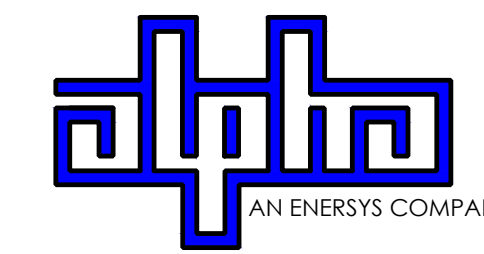
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0% (-3%) (-6%))			MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					ft	ft	ft			
25	100	125	65	45	(155) (160) (135)	25	50	12		
30	250	180	90	60	(200) (205) (215)	30	60	15		
35	250	245	125	85	(250) (260) (275)	35	70	17		
40	250	320	160	110	(305) (315) (335)	40	80	20		
45	350	540	270	180	(360) (380) (400)	45	90	22		
50	350	600	300	200	(425) (450) (475)	50	100	25		
55	500	660	330	220	(495) (520) (555)	50	100	25		
60	500	720	360	240	(570) (600) (640)	50	100	25		
65	500	780	390	260	(645) (685) (730)	50	100	25		

1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT
6	** TABLE 6F-101 (CA)



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



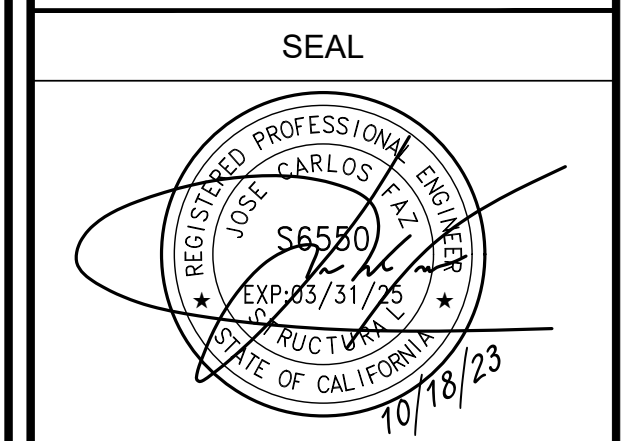
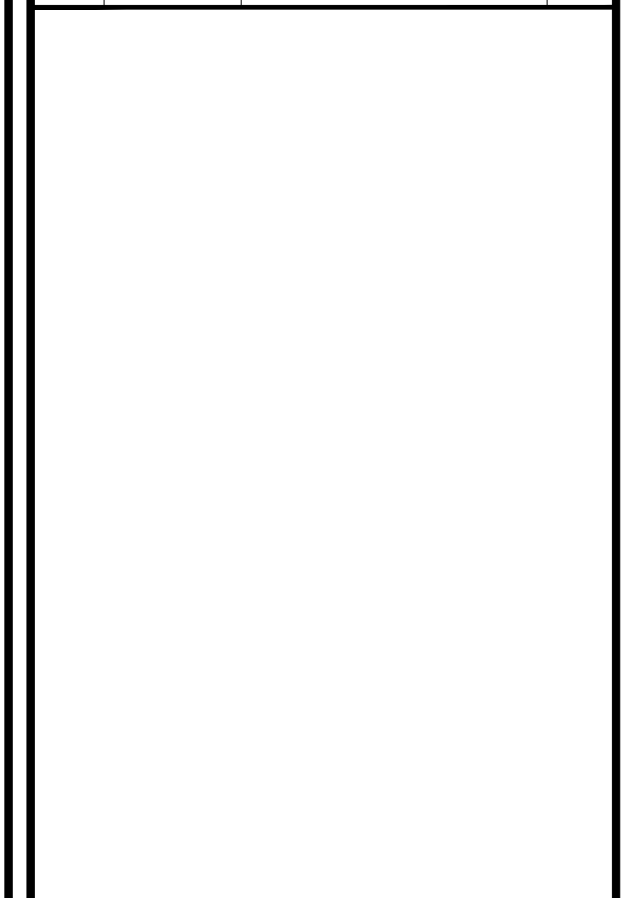
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-069675

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	12/09/21	90% CD	AS
0	12/27/21	100% CD	IK
1	11/28/22	REVISION	AR
2	05/19/23	100% CD PCC	RD
3	10/12/23	SURVEY ADD	JDJ



FOR CONCEPTUAL USE ONLY. NOT TO BE USED FOR PERMITTING AND/OR CONSTRUCTION.

SITE INFORMATION

SITE ID:
ST114B_A

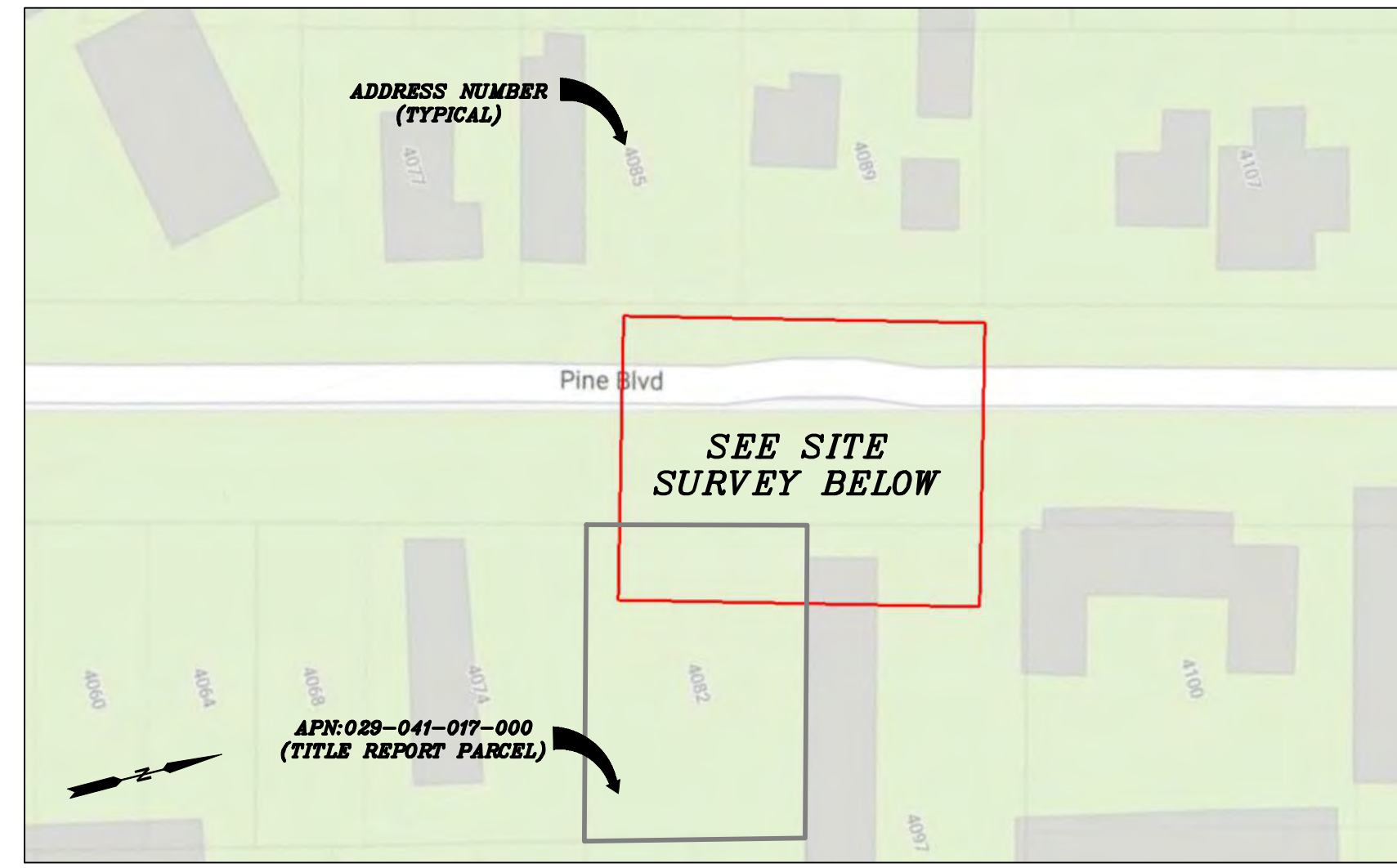
SITE ADDRESS:
4082 PINE BLVD,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
TRAFFIC CONTROL

TC1



VICINITY MAP
N.T.S.



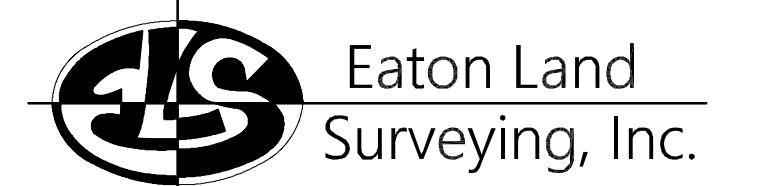
PROXIMITY MAP
N.T.S.



SITE PHOTO

CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226



15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KSE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/07/23	SUBMITTAL



PROJECT INFORMATION:
ST114B_A
4082 PINE BLVD.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/24/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

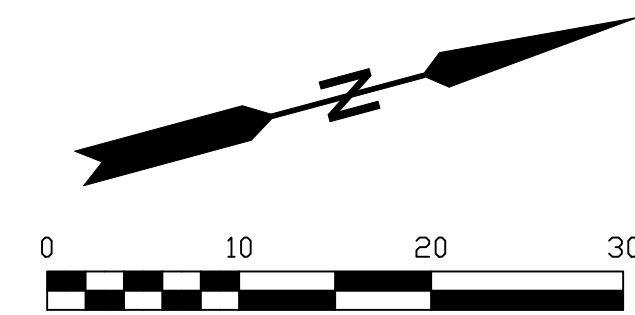
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A MAP NO. A OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

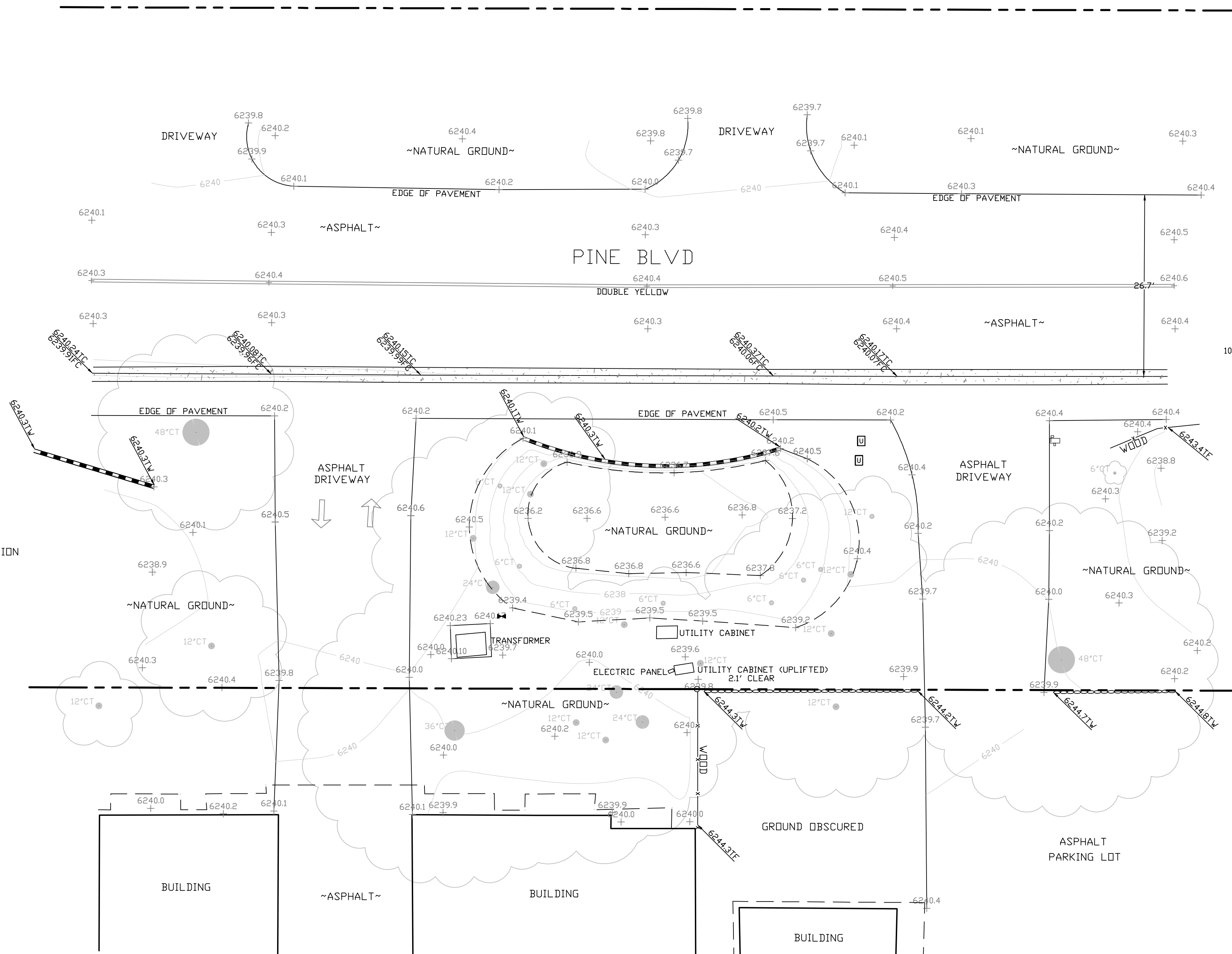
TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 029-041-017-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032312 DATED 09/05/2023;



LEGEND

These standard symbols may be found in the drawing.

- CONCRETE
- PROPERTY LINE
- CENTER LINE
- OVERHEAD LINE
- FENCE
- HEADER
- ROOF
- WALL
- ROCK WALL
- PULLBOX ELECTRIC
- PULLBOX TELEPHONE
- PULLBOX COMMUNICATION
- PULLBOX UTILITY
- WATER VALVE
- POWER POLE
- ELEVATION GRADE
- GUY WIRE
- MAILBOX (MOVABLE)
- SIGN
- MANHOLE TELEPHONE
- MANHOLE SEWER
- RECTANGLE INLET
- FIRE HYDRANT
- SHRUB
- TRUNK
- CT CONIFEROUS TREE
- DT DECIDUOUS TREE
- TC TOP OF CURB
- FC FACE OF CURB
- TF TOP OF FENCE
- TW TOP OF WALL
- CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'



EXISTING SITE PHOTO



2B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (2) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURES
- INSTALLATION OF (18) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET

LOCATION MAP



SITE ID: ST129A_

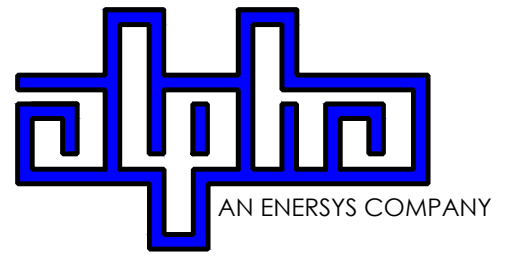
SITE ADDRESS:
BOWERS AVE AND FOREST AVE ,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	BOWERS AVE AND FOREST AVE SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.9455146, -119.9579154
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	6
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	0.5 C.Y.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058520

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	10/13/23	SURVEY ADD	JDJ

DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL
LS-1	SURVEY

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
 PART 1 - CALIFORNIA ADMINISTRATIVE CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE.
 PART 2 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE.
 PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE.
 PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE.
 PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE.
 PART 6 - CALIFORNIA ENERGY CODE
 PART 7 - VACANT

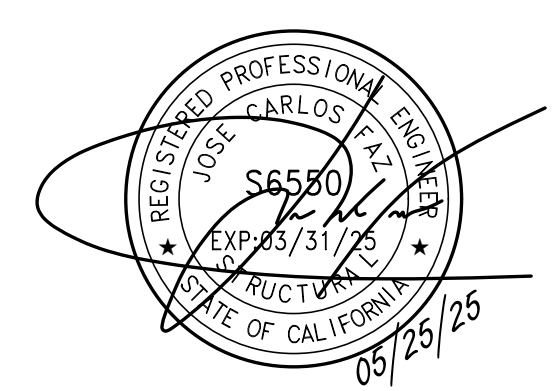
PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
 PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
 PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
 PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
 2. ANSII/A-222 (REV H)
 3. 2018 NFPA 101, LIFE SAFETY CODE
 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SEAL



SITE INFORMATION

SITE ID:
ST129A_

SITE ADDRESS:
BOWERS AVE AND FOREST AVE ,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TITLE SHEET

T1

BILL AVENUE

BOWERS AVENUE

FOREST AVENUE

3601 FOREST AVE.

3612 BILL AVE.
~RESIDENCE~

~RESIDENCE~

~RESIDENCE~

~RESIDENCE~

3613 SHIRLEY AVE.
~RESIDENCE~

~RESIDENCE~

~RESIDENCE~

INSTALL EROSION CONTROL FENCING PER DETAIL 1, SHT. D2.

(2) (N) ALPHA PN-4 POWER NODE SYSTEM ENCLOSURES W/ (18) (N) 12V ALPHA 210FTX BATTERIES MOUNTED TO (N) CONCRETE PAD AT GRADE

(N) BOLLARDS: TYP-6 (INCREASE OR DECREASE NUMBER OF BOLLARDS AS NECESSARY)

(E) ENCLOSURE TO REMAIN
(E) BATTERIES WITHIN TO BE REMOVED
(N) POWER SUPPLY TO BE INSTALLED WITHIN

(E) UTILITY POLE

(E) COMPACTED DIRT

(E) FENCE

CLASS 7 (MAPPED)

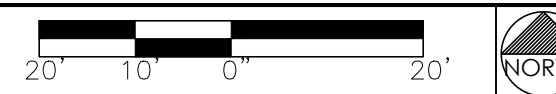
(P) STAGING AND MATERIAL STORAGE AREA TO BE LOCATED ON PAVED AREAS AND PROTECTED WITH BOTH COIR LOGS AND EROSION CONTROL FENCING PER TRPA SPECIFICATIONS AND DETAIL 2, SHT. D2.

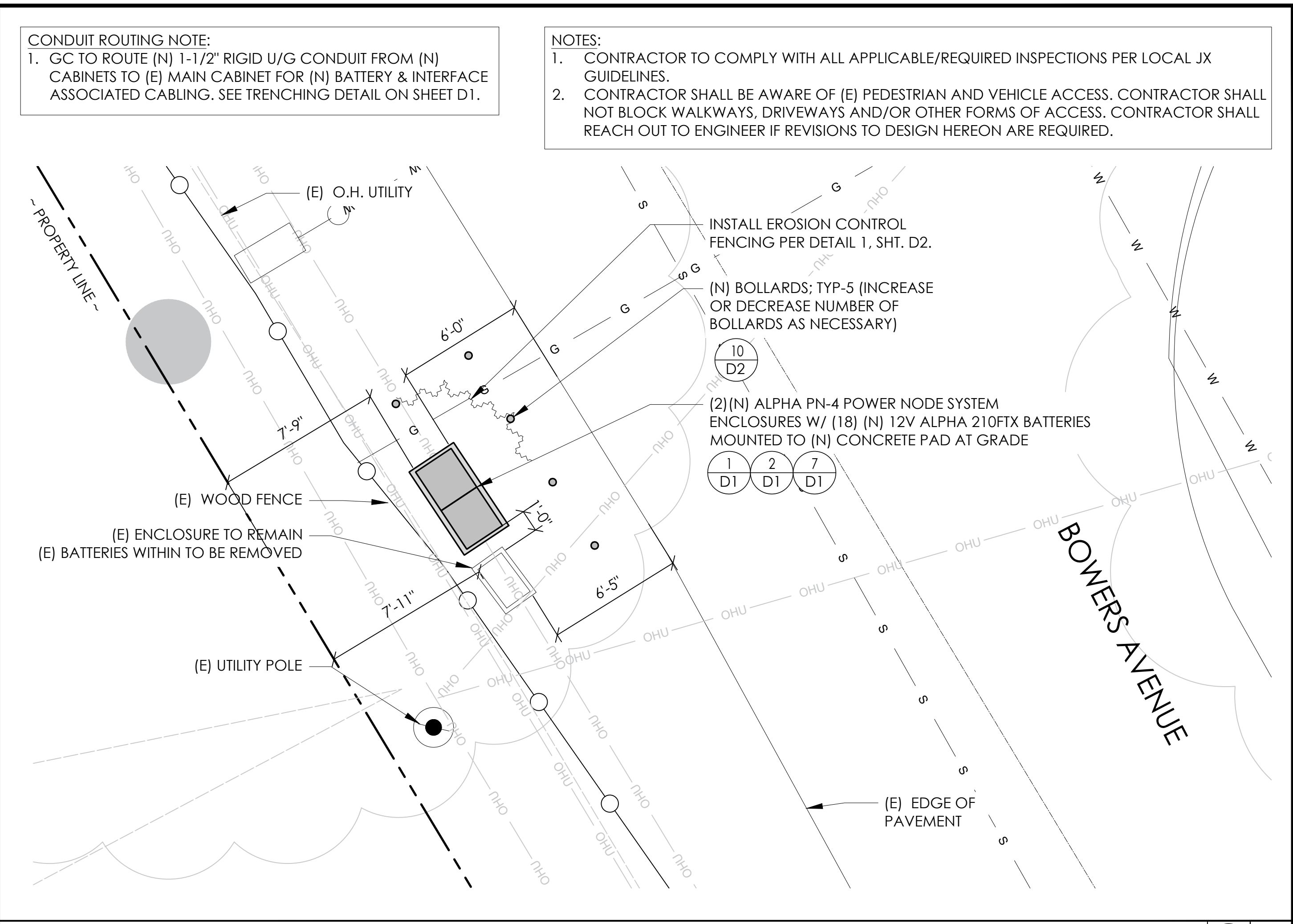
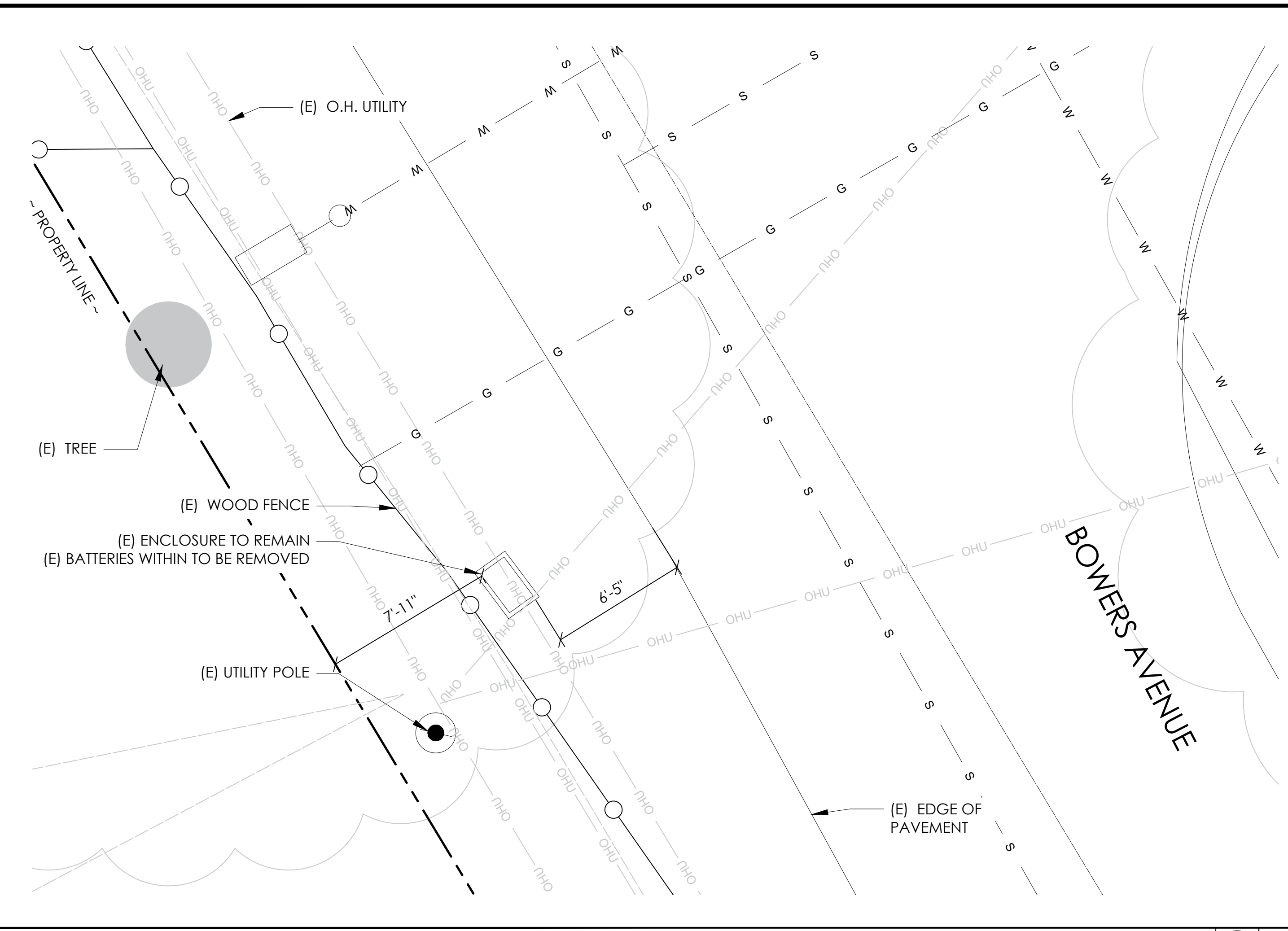
811
Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT
TOLL FREE: 1-800-227-2600 OR www.digalert.org
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"



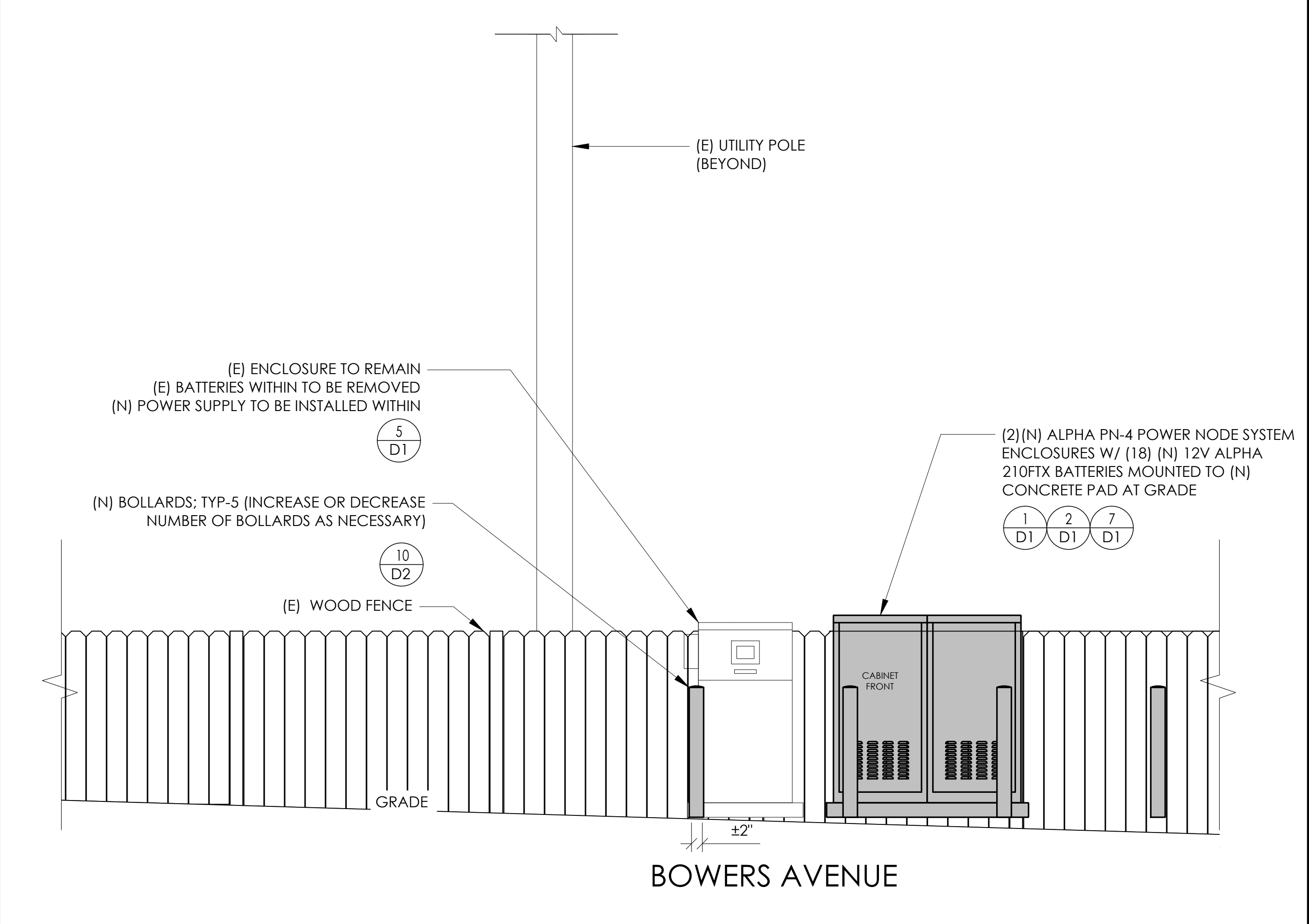
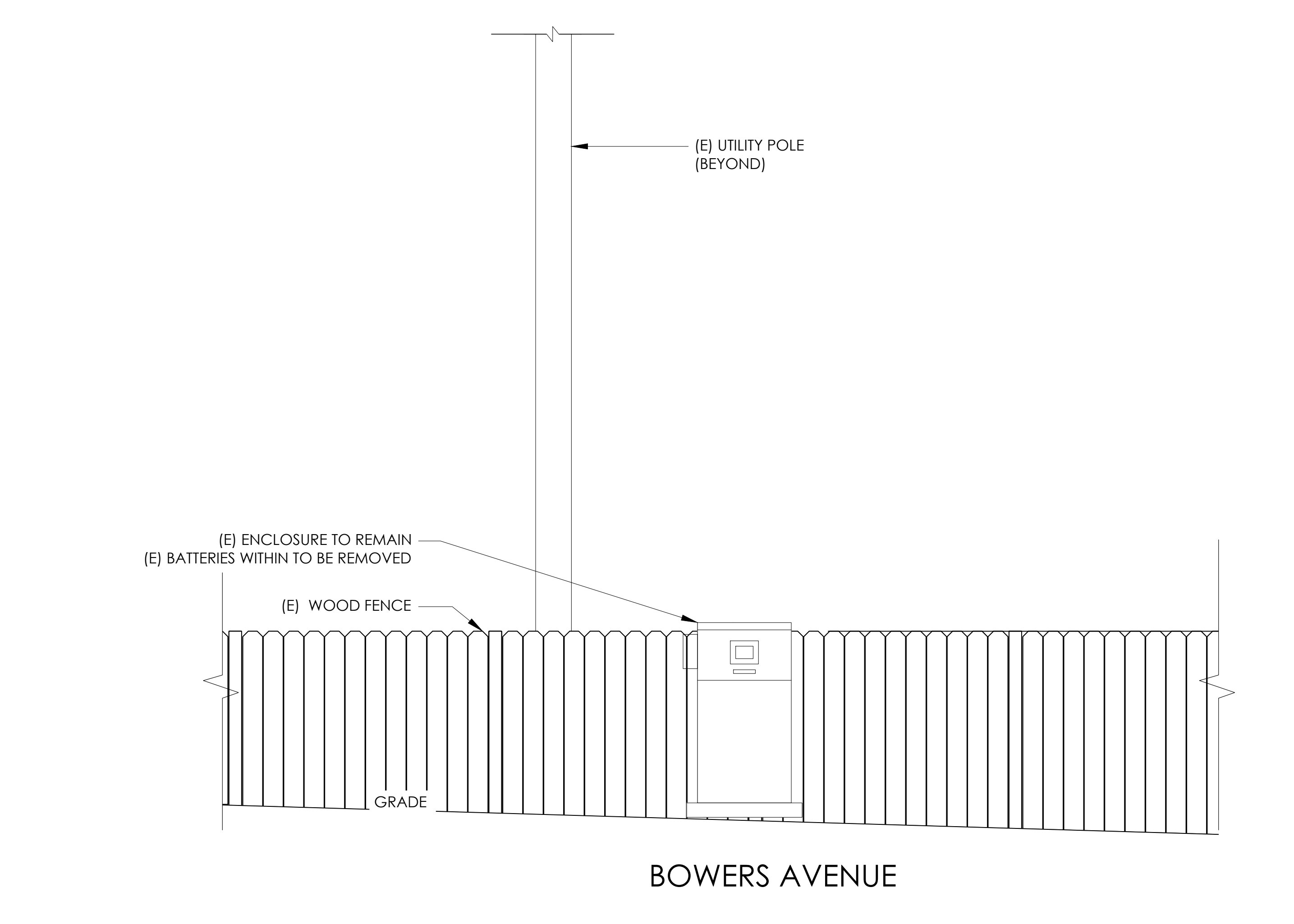


CONDUIT ROUTING NOTE:
 1. GC TO ROUTE (N) 1-1/2" RIGID U/G CONDUIT FROM (N) CABINETS TO (E) MAIN CABINET FOR (N) BATTERY & INTERFACE ASSOCIATED CABLING. SEE TRENCHING DETAIL ON SHEET D1.

NOTES:
 1. CONTRACTOR TO COMPLY WITH ALL APPLICABLE/REQUIRED INSPECTIONS PER LOCAL JX GUIDELINES.
 2. CONTRACTOR SHALL BE AWARE OF (E) PEDESTRIAN AND VEHICLE ACCESS. CONTRACTOR SHALL NOT BLOCK WALKWAYS, DRIVEWAYS AND/OR OTHER FORMS OF ACCESS. CONTRACTOR SHALL REACH OUT TO ENGINEER IF REVISIONS TO DESIGN HEREON ARE REQUIRED.

EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0' 4' NORTH 1

PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0' 4' NORTH 2



EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0' 2' NORTH 3

PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0' 2' NORTH 4

Charter Spectrum
 9260 TOPANGA CANYON BLVD
 CHATSWORTH CA, 91311

alpha
 AN ENERSYS COMPANY
 3767 ALPHA WAY
 BELLINGHAM, WA 98226

J5 INFRASTRUCTURE
 PARTNERS
 23 MAUCHLY, STE 110
 IRVINE, CA 92618
 J5 PROGRAM ID: ALP-CA-CPUC
 J5 PROJECT ID: P-058520

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	10/13/23	SURVEY ADD	JDJ

SEAL

SITE INFORMATION

SITE ID:
 ST129A_

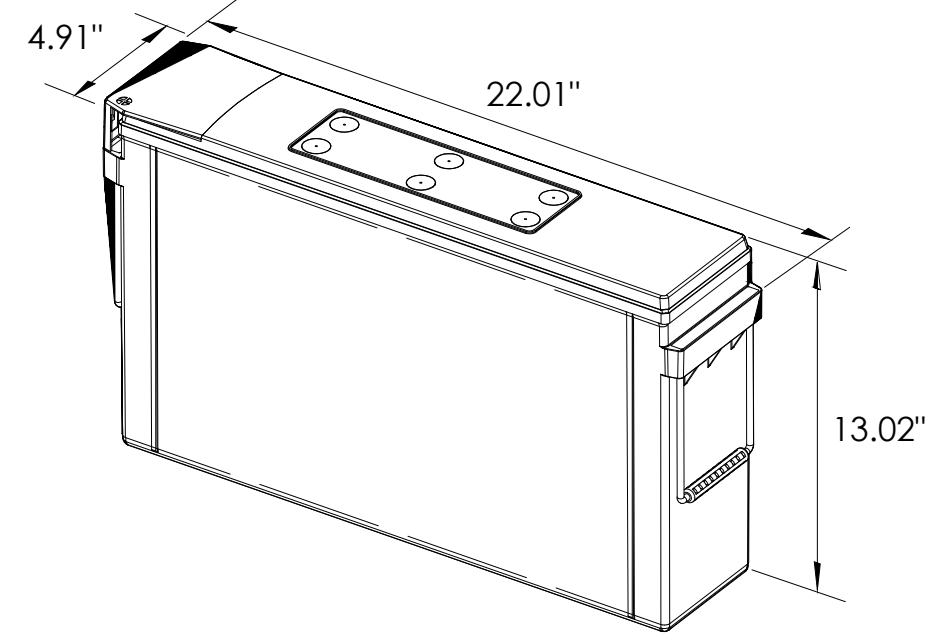
SITE ADDRESS:
 BOWERS AVE AND FOREST AVE,
 SOUTH LAKE TAHOE, CA
 96150

SHEET TITLE:
ELEVATIONS

A1



ALPHA 210 FTX BATTERY UNIT

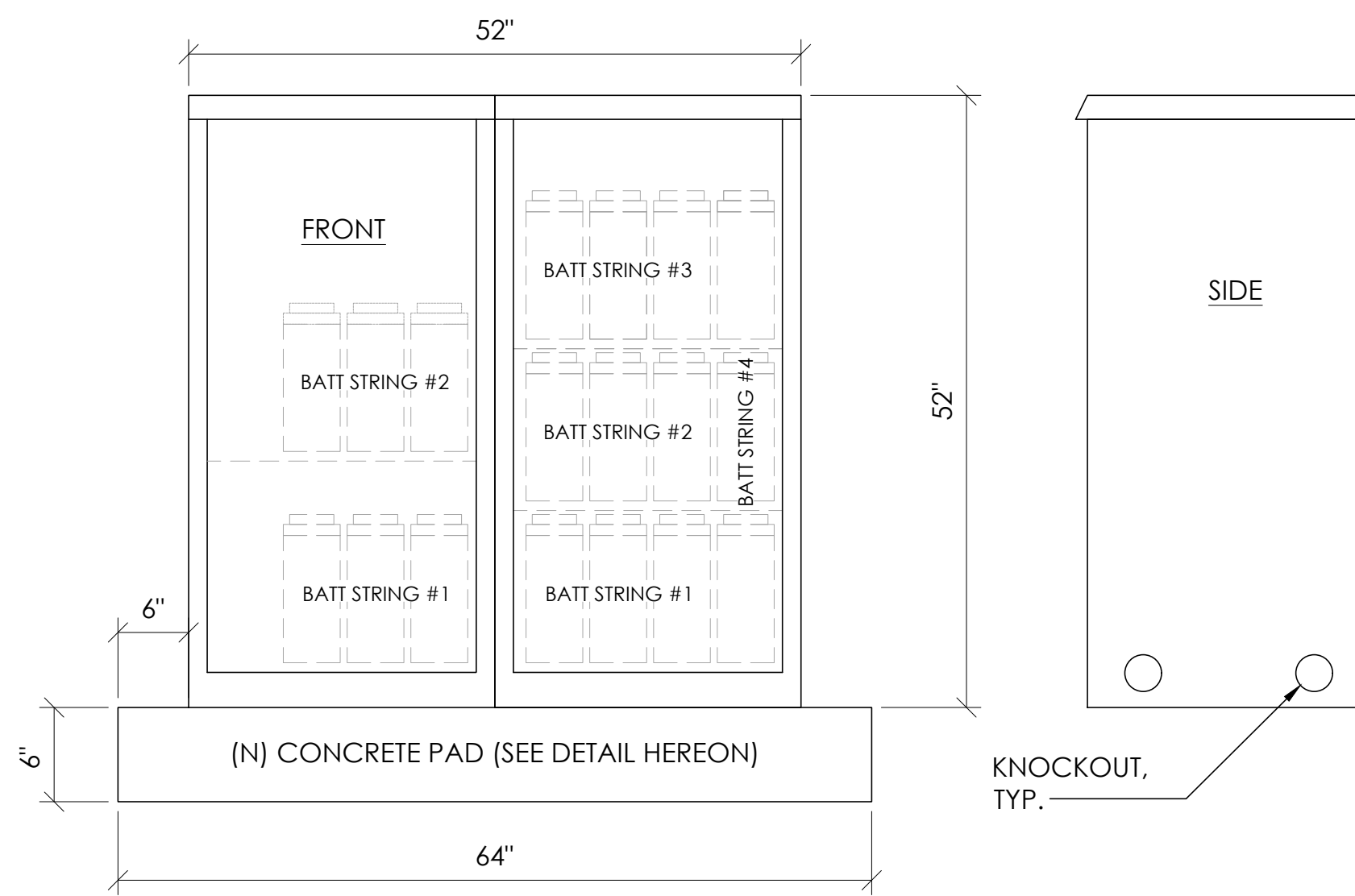


EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FTX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

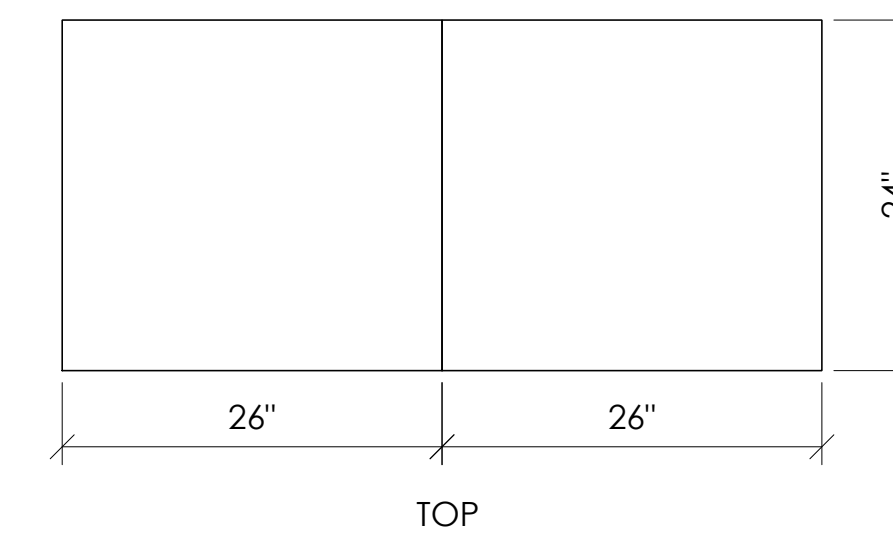
BATTERY INFORMATION (VRLA TYPE BATTERIES)

INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	18	12	210	2.52	45.36			2.1	37.8
TOTAL		18				45.36	70	CFC 2019 SECTION 1206 DOES NOT APPLY		37.8

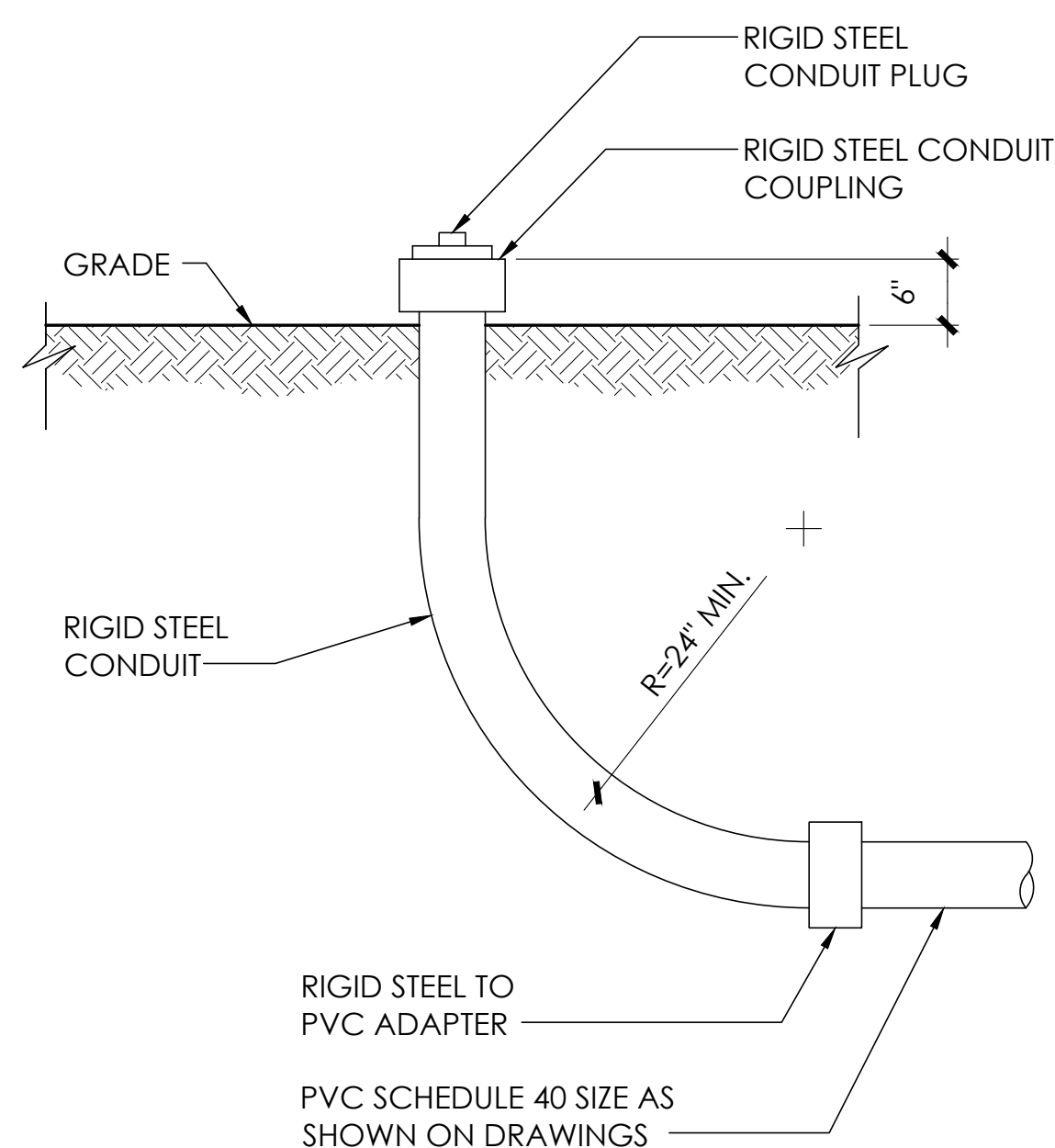
7 BATTERY SPECIFICATIONS N.T.S.



CABINET SPECIFICATIONS	
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	360 LBS.
WEIGHT (W/ BATTERIES):	2,970 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION: CABINET #1: (4) BATTERY STRINGS CABINET #2: (2) BATTERY STRINGS	



1 DUAL EQUIPMENT CABINET DETAIL N.T.S.

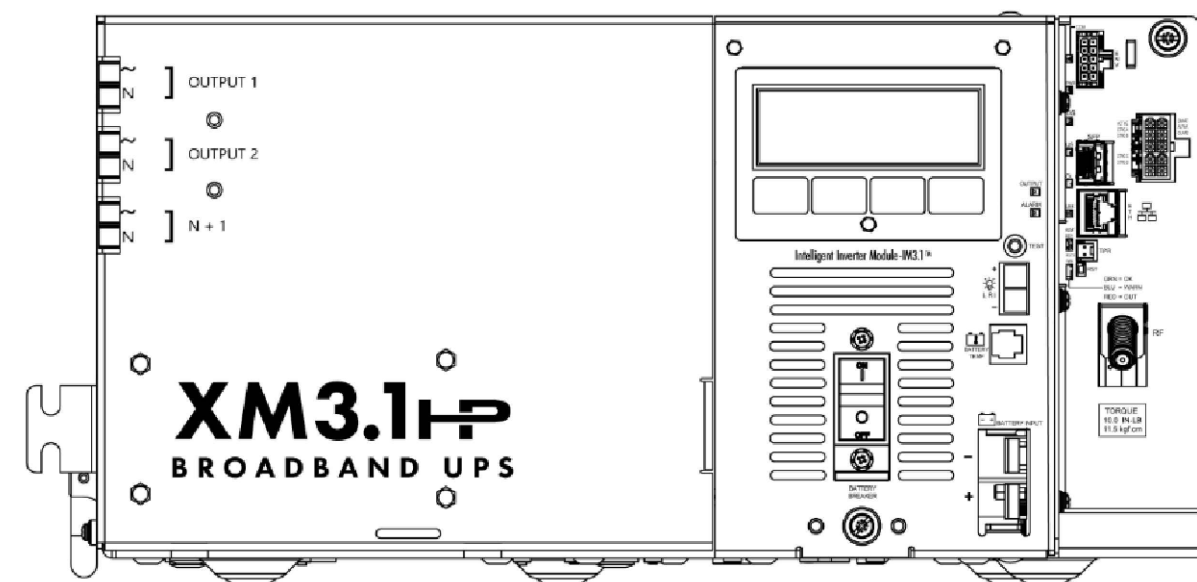


8 STUB-UP DETAIL N.T.S.

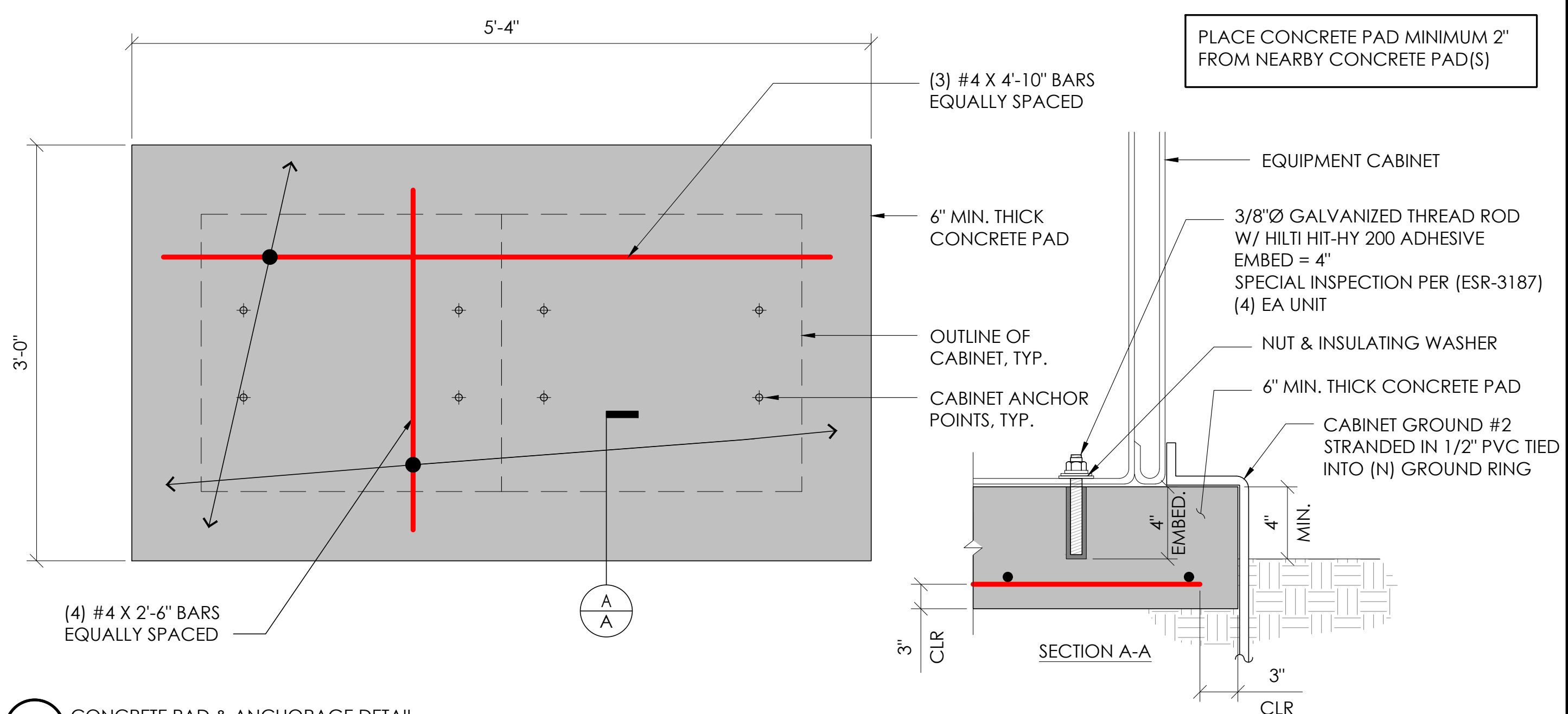
NOTE: 1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

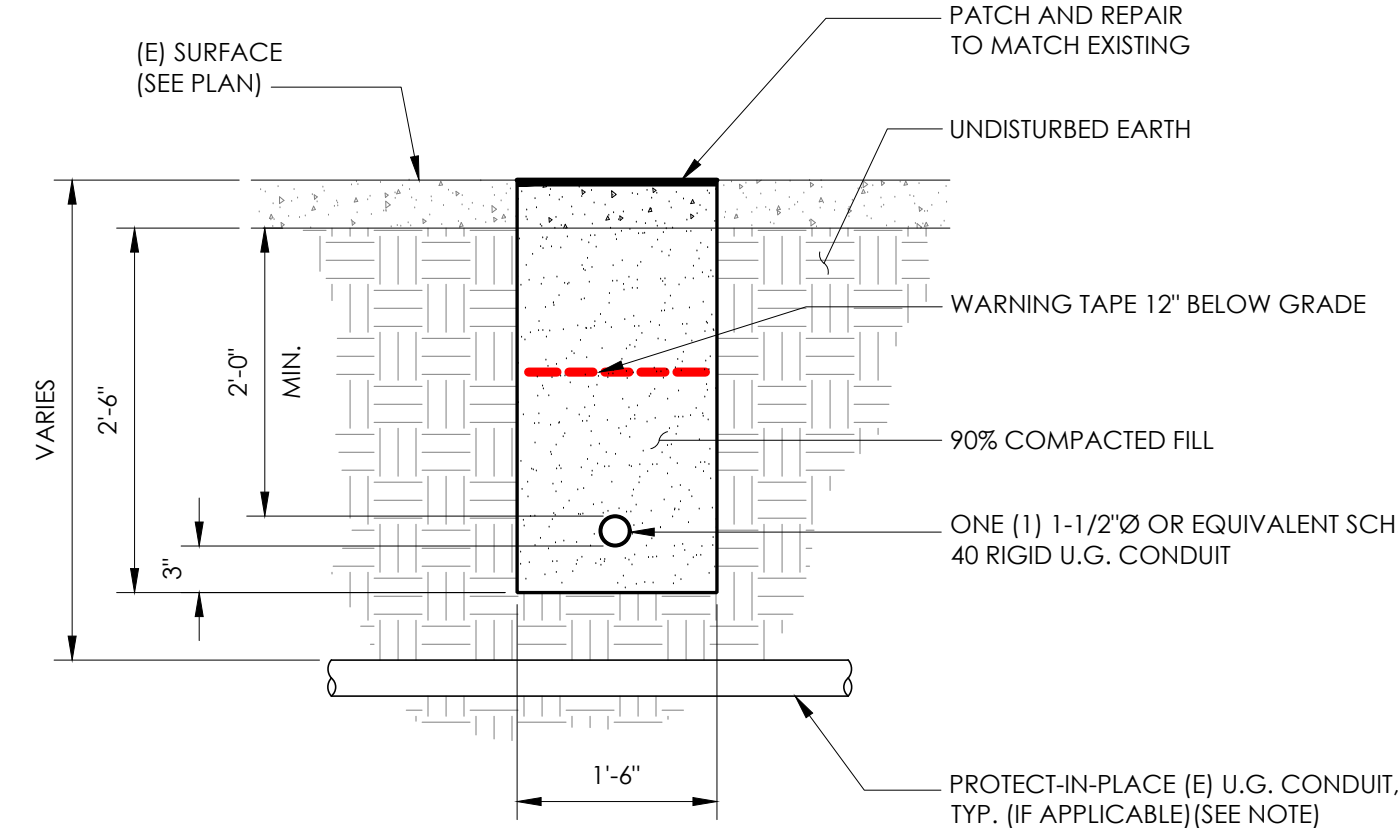


5 POWER SUPPLY DETAIL N.T.S.



2 CONCRETE PAD & ANCHORAGE DETAIL N.T.S.

NOTE: 1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL N.T.S.

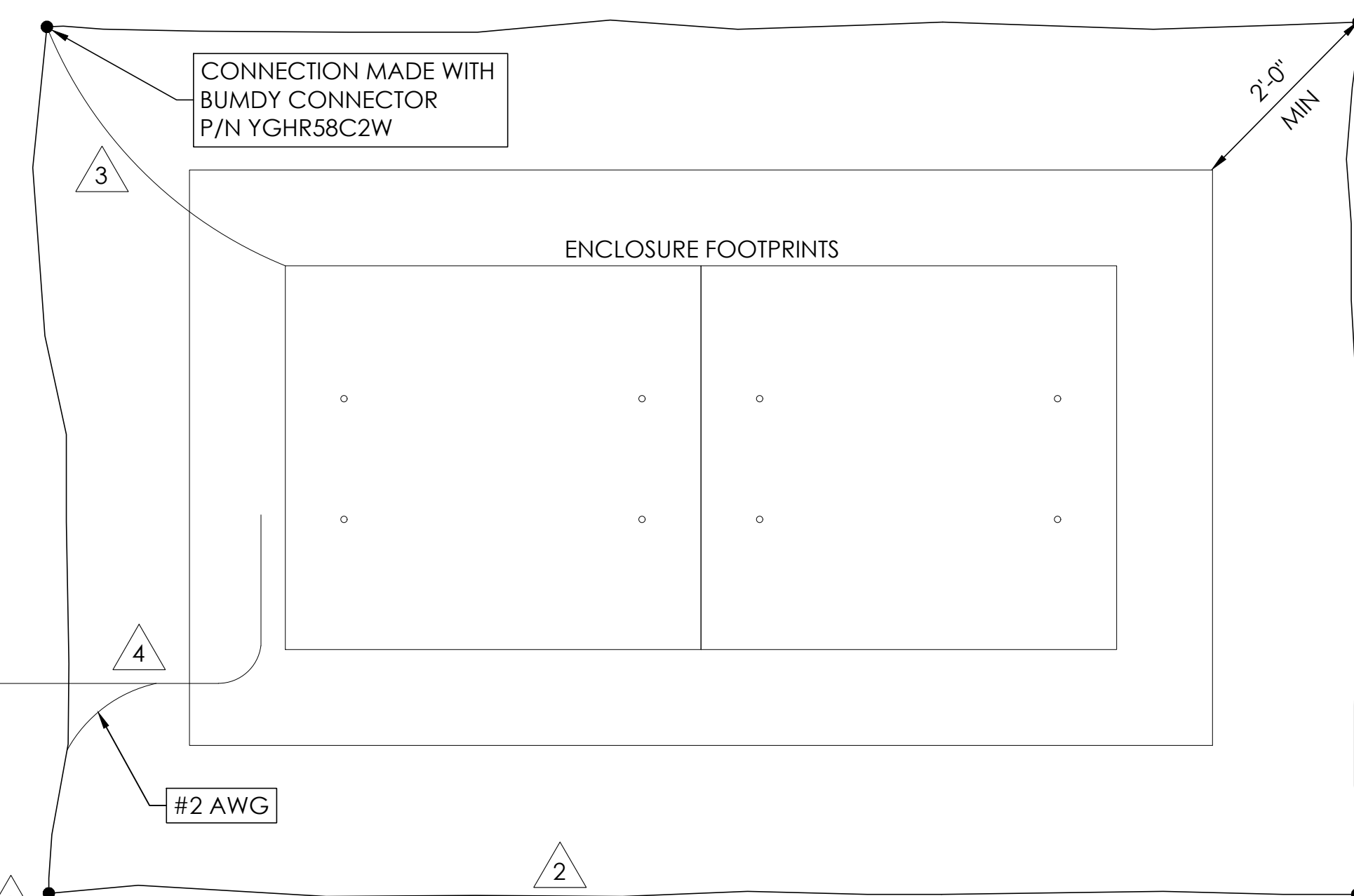
LIGHTNING PROTECTION (OPTIONAL)

- 1/2"x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

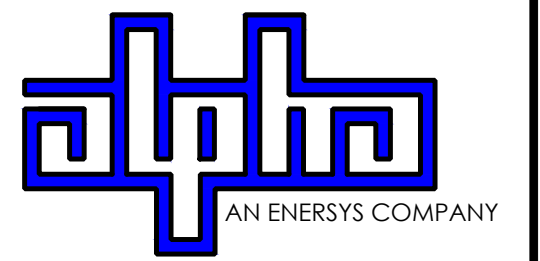
SERVICE GROUNDING (REQUIRED)
#6 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6' APART.

NOTE: GROUND TEXT SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



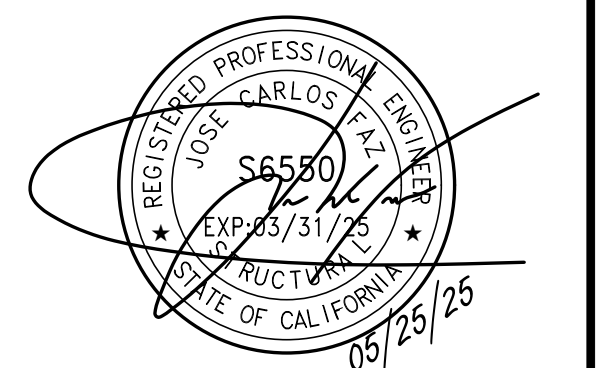
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058520

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	10/13/23	SURVEY ADD	JDJ

SEAL



SITE INFORMATION

SITE ID:
ST129A_

SITE ADDRESS:
BOWERS AVE AND FOREST AVE,
SOUTH LAKE TAHOE, CA 96150

SHEET TITLE:

DETAILS

D1

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/26/21	100% CD	TT
1	10/13/21	TRAFFIC CONTROL	MZ
2	11/28/22	100% CD REV PER PCC#1	DJW
3	05/25/23	100% CD REV PER PCC#1	JG
4	06/22/23	100% CD REV PER PCC#2	ES
5	10/13/23	SURVEY ADD	JDJ

10 NOT USED N.T.S.

7 NOT USED N.T.S.

4 FIBER ROLL DRAIN INLET DETAIL N.T.S.

NOTES:
 1. FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
 2. GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
 3. INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
 4. SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
 5. IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
 6. REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

1 EROSION CONTROL FENCING N.T.S.

EROSION CONTROL FENCING SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO MITIGATE THE EFFECTS OF EROSION, AND REMOVED UPON COMPLETION OF THE PROJECT.

11 NOT USED N.T.S.

8 NOT USED N.T.S.

2 WEIGHTED COIR LOGS N.T.S.

NOTE: ALIGN FIBER ROLL ALONG CONTOURS

3 VEGETATION PROTECTION FENCING N.T.S.

SOIL AND TREE PROTECTION
 1. PLACING ANY MATERIAL—TEMPORARY OR OTHERWISE—WITHIN PROTECTIVE FENCING OR ENTERING PROTECTION AREAS MAY RESULT IN UP TO A \$5,000 PENALTY PER VIOLATION PER DAY. (SECT 65.2 I AN J)
 2. THESE CONDITIONS ARE PART OF ALL PROJECTS AS CONDITIONS OF ATTACHMENTS R, S, AND Q.
 3. METAL OR WIRE MESH FENCING MAY BE REQUIRED.

12 NOT USED N.T.S.

9 NOT USED N.T.S.

6 NOT USED N.T.S.

3 VEGETATION PROTECTION FENCING N.T.S.

SEAL

SITE INFORMATION

SITE ID:
ST129A_

SITE ADDRESS:
BOWERS AVE AND FOREST AVE,
SOUTH LAKE TAHOE, CA 96150

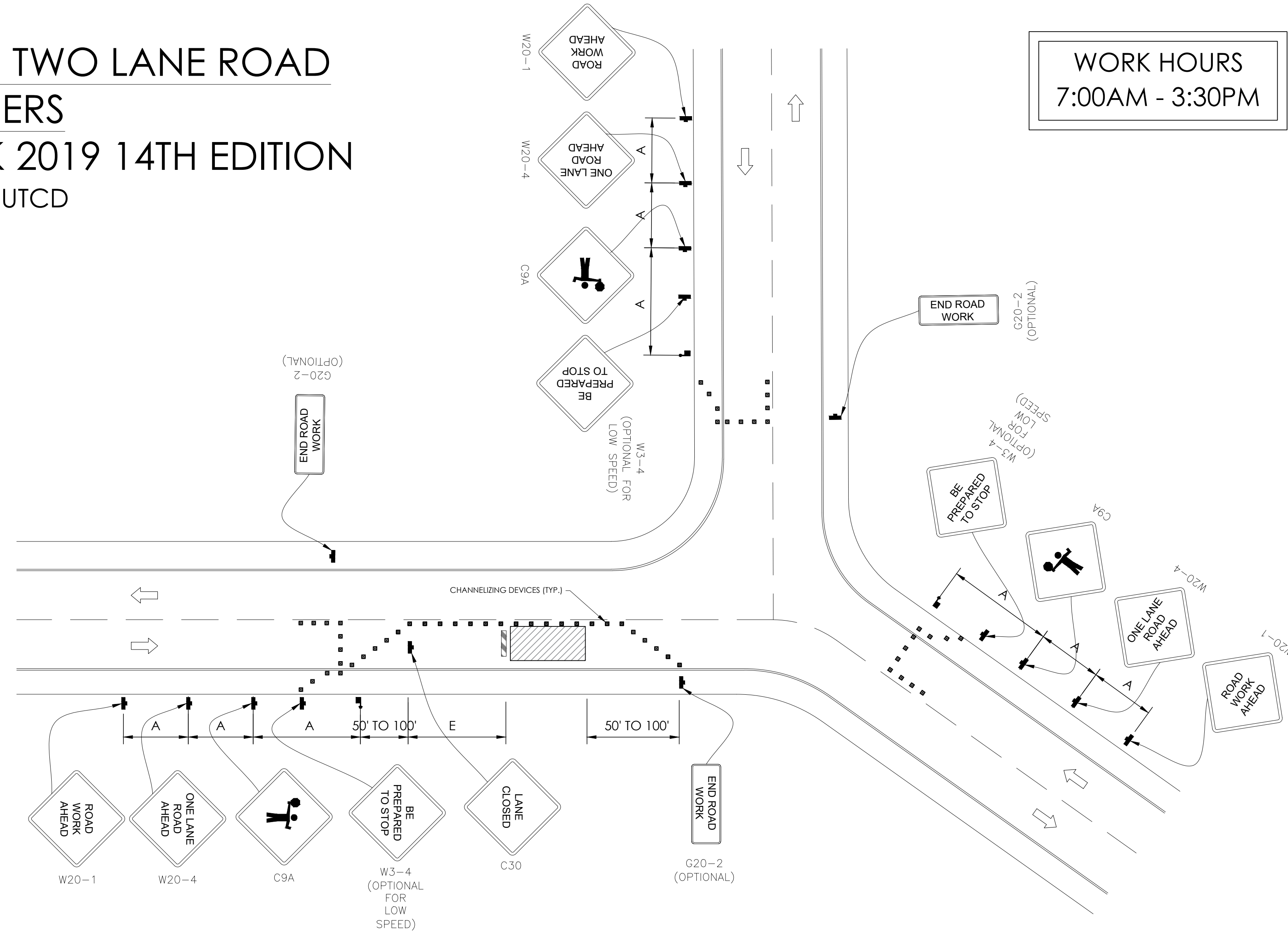
SHEET TITLE:

DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD INTERSECTION USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD



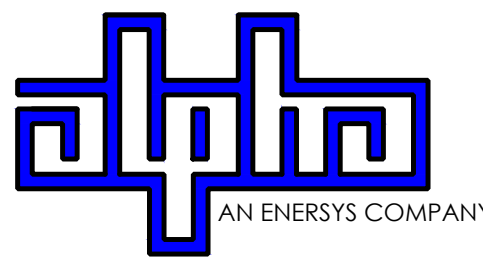
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E"			MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
					BUFFER SPACE (4-A)	AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B)	(0%) (-3%) (-6%)			
MPH	FT	ft	ft	ft	ft			ft	ft	ft
25	100	125	65	45	(155)	(160)	(135)	25	50	12
30	250	180	90	60	(200)	(205)	(215)	30	60	15
35	250	245	125	85	(250)	(260)	(275)	35	70	17
40	250	320	160	110	(305)	(315)	(335)	40	80	20
45	350	540	270	180	(360)	(380)	(400)	45	90	22
50	350	600	300	200	(425)	(450)	(475)	50	100	25
55	500	660	330	220	(495)	(520)	(555)	50	100	25
60	500	720	360	240	(570)	(600)	(640)	50	100	25
65	500	780	390	260	(645)	(685)	(730)	50	100	25
1	WORK ON FREEWAYS AND EXPRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS									
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)									
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT									
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS									
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP									
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT									
6	** TABLE 6F-101 (CA)									



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



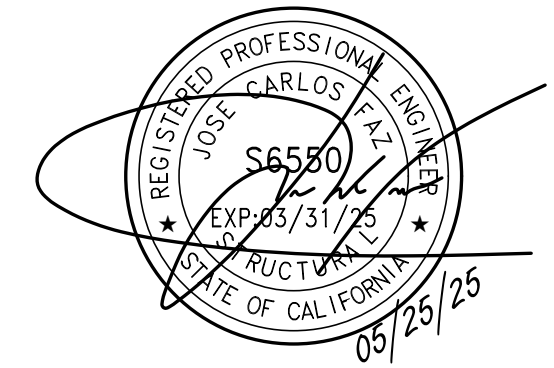
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058520

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	SM
0	08/26/21	100% CD	TT
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SEAL



SITE INFORMATION

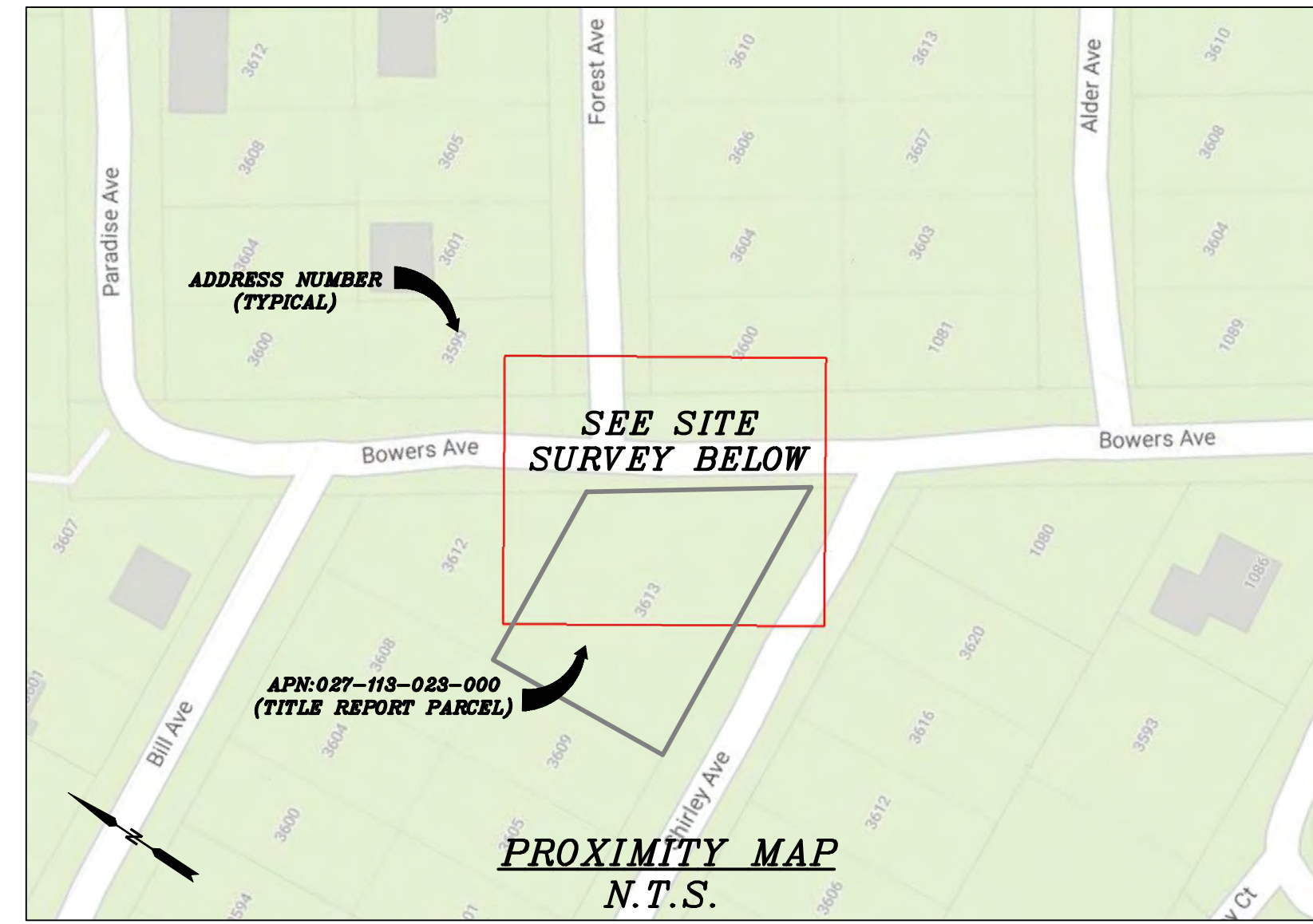
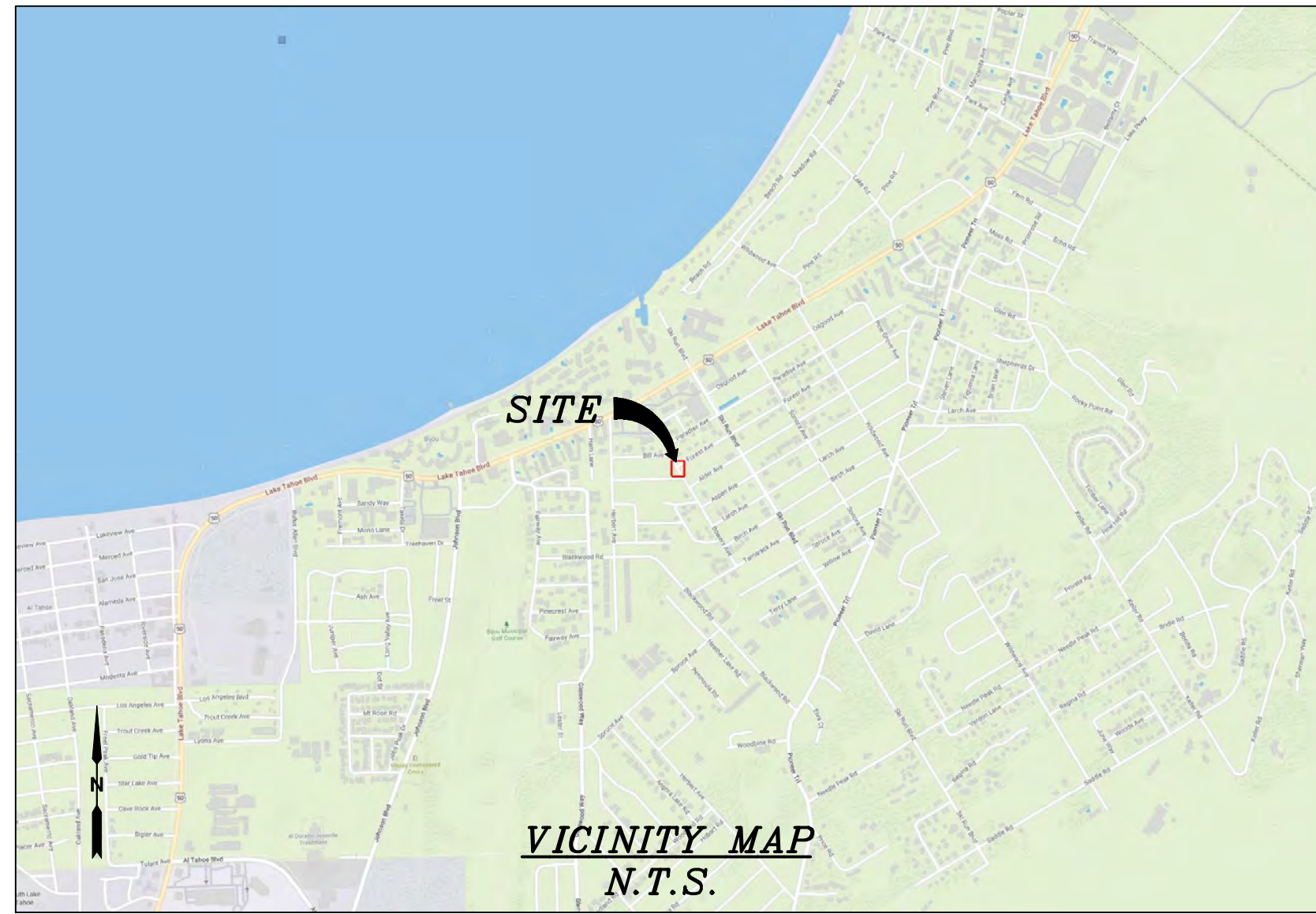
SITE ID:
ST129A_

SITE ADDRESS:
BOWERS AVE AND FOREST AVE,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1



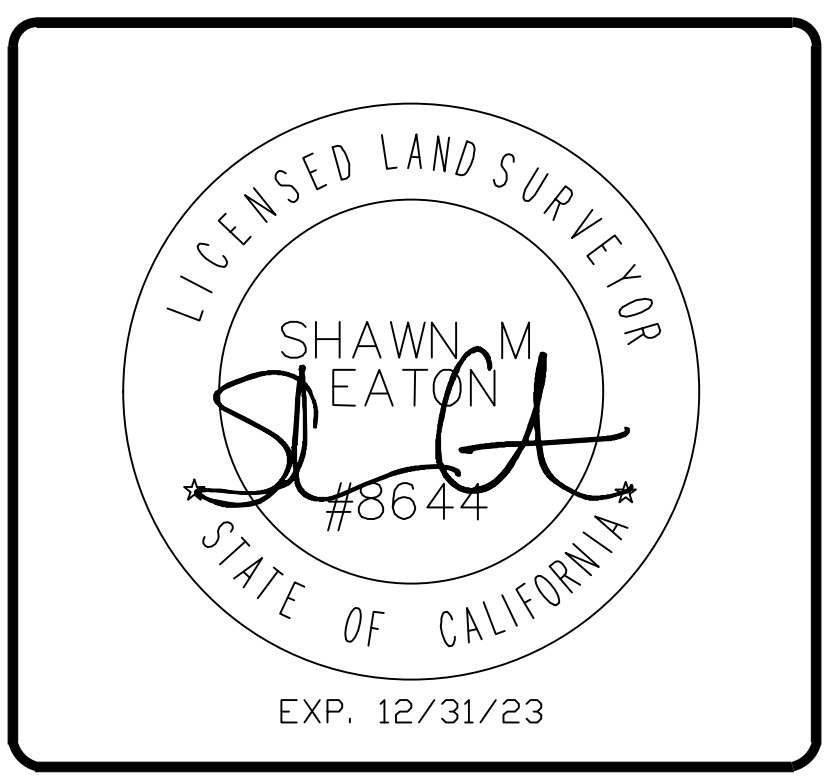
CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

 **Eaton Land Surveying, Inc.**
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: KRE
CHECKED BY: HE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/07/23	SUBMITTAL



PROJECT INFORMATION:
ST129A
BOWERS AVE. & FOREST AVE.
SOUTH LAKE TAHOE, CA.
96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
08/29/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

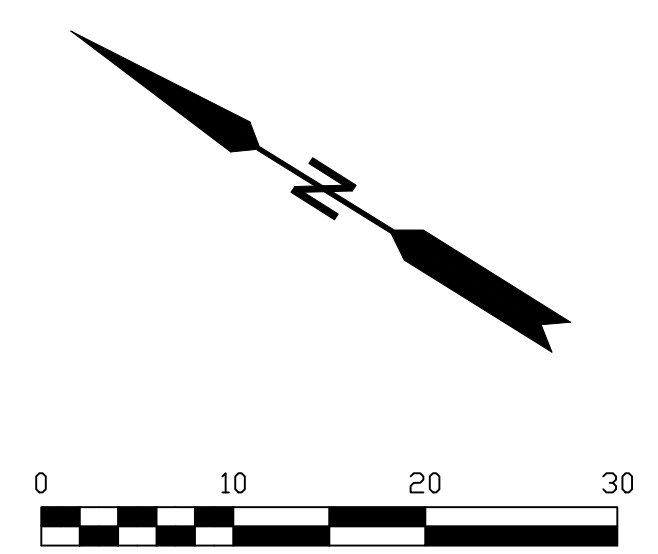
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

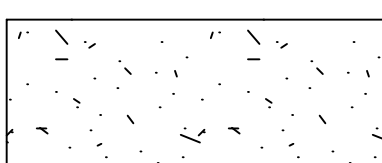
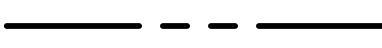
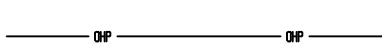
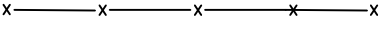
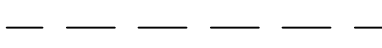
























FLOOD ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X", ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0380F, DATED 04/03/2012.

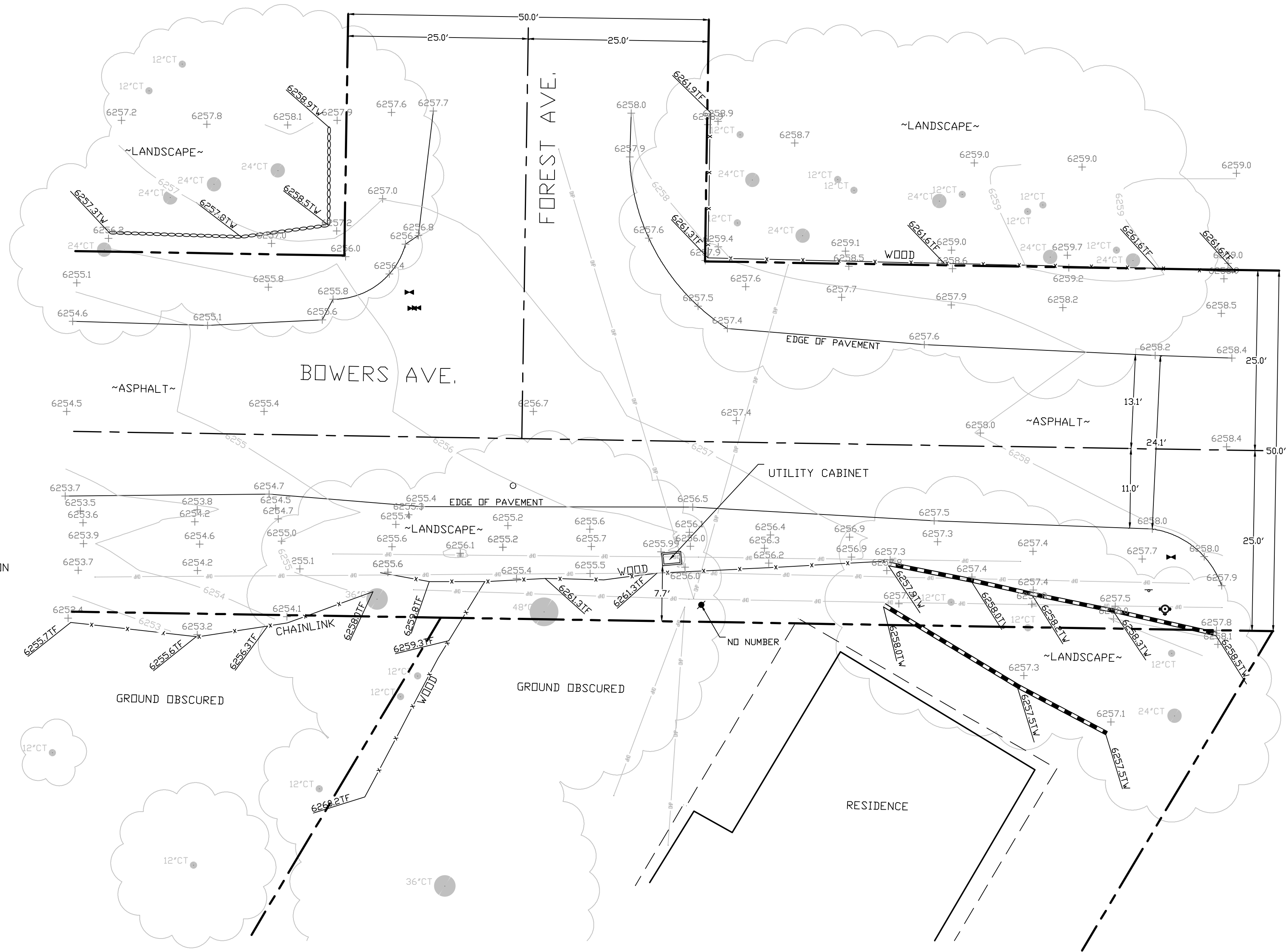
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK A PAGE(S) 29 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 027-113-023-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7039807 DATED 09/21/2023;



- LEGEND**
These standard symbols may be found in the drawing.
-  CONCRETE
 -  PROPERTY LINE
 -  CENTER LINE
 -  OVERHEAD LINE
 -  FENCE
 -  HEADER
 -  ROOF
 -  WALL
 -  ROCK WALL
 -  PULLBOX ELECTRIC
 -  PULLBOX TELEPHONE
 -  PULLBOX COMMUNICATION
 -  WATER METER
 -  WATER VALVE
 -  POWER POLE
 -  ELEVATION GRADE
 -  GUY WIRE
 -  MAILBOX
 -  SIGN
 -  MANHOLE TELEPHONE
 -  MANHOLE SEWER
 -  RECTANGLE INLET
 -  FIRE HYDRANT
 -  SHRUB
 -  TRUNK
 -  CT CONIFEROUS TREE
 -  DT DECIDUOUS TREE
 -  TC TOP OF CURB
 -  FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN



SITE SURVEY
SCALE 1"=10'



EXISTING SITE PHOTO



LOCATION MAP



1B SCOPE OF WORK

THIS PROJECT MODIFICATION OF EXISTING CONSISTS OF:

- INSTALLATION OF (1) (N) ALPHA PN-4 POWERNODE SYSTEM ENCLOSURE
- INSTALLATION OF (12) (N) 12V ALPHA 210FTX BATTERIES
- INSTALLATION OF (1) (N) CONCRETE PAD
- REMOVAL & REPLACEMENT OF (E) POWER SUPPLY
- ALL ASSOCIATED ELECTRIC WIRES AND CONDUITS TO CONNECT POWERNODE CABINET TO EXISTING ALPHA CABINET



SITE ID: ST130D_B

SITE ADDRESS:
SPRUCE AVE AND GLENWOOD WAY,
SOUTH LAKE TAHOE, CA 96150

SITE INFORMATION

SITE ADDRESS:	SPRUCE AVE AND GLENWOOD WAY SOUTH LAKE TAHOE, CA 96150
LATITUDE/LONGITUDE (NAD 83):	38.93730885, -119.9619653
JURISDICTION:	CITY OF SOUTH LAKE TAHOE
POWER PROVIDER:	SPPCO
STRUCTURE TYPE:	UTILITY POLE
OUTPUT VOLTAGE SPEC.:	60
INPUT VOLTAGE SPEC.:	120
AMP DRAW:	4
HYDRAULIC RELATED AREA:	SOUTH STATELINE (CA)
COVERAGE:	NO ADDED COVERAGE RESULTING FROM THIS PROJECT
CUT/FILL VOLUME:	1 C.Y.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

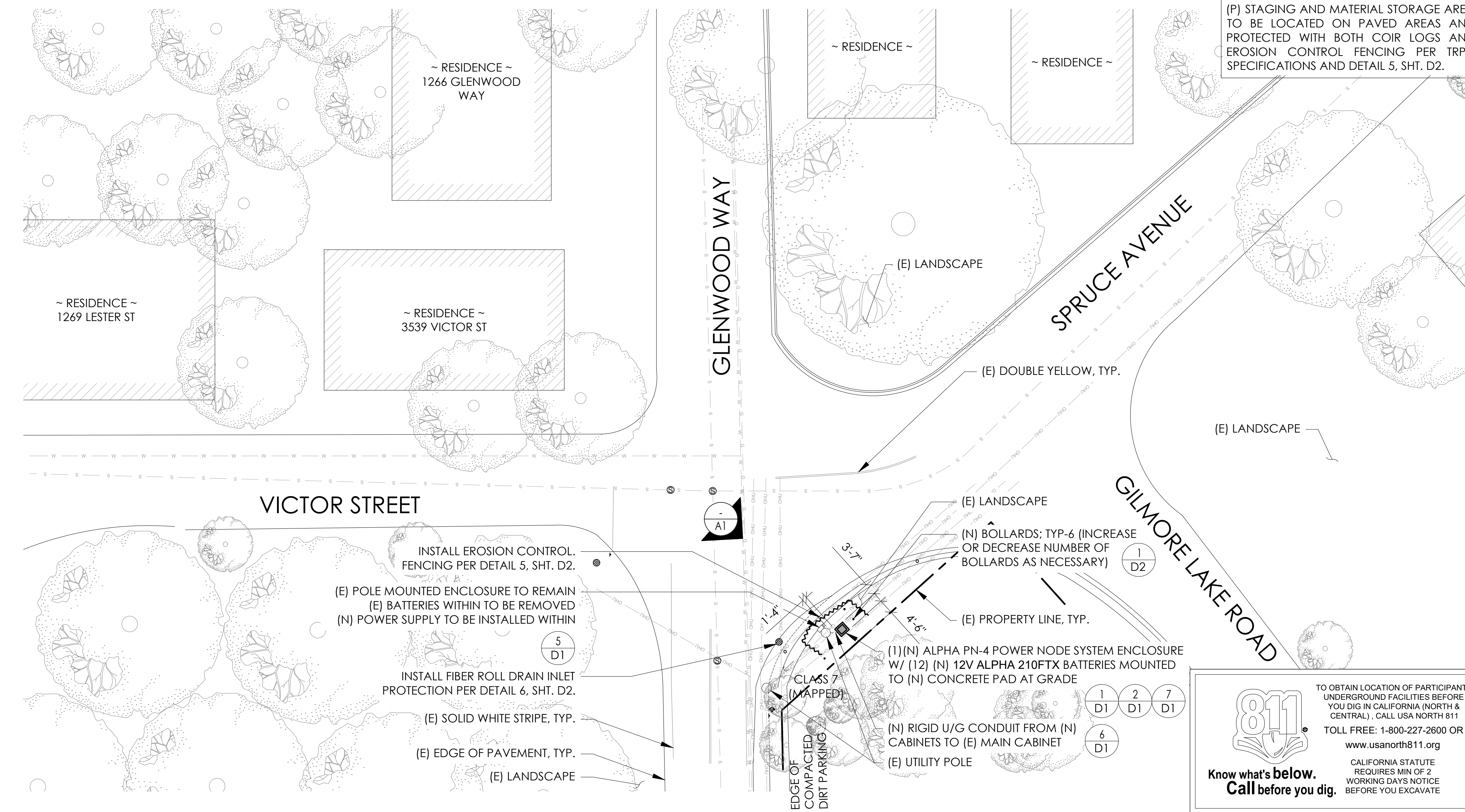


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058748

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	NA
0	08/26/21	100% CD	TT
1	10/13/21	100% CD REVISION	JG
2	10/24/23	100% CD REVISION	RD



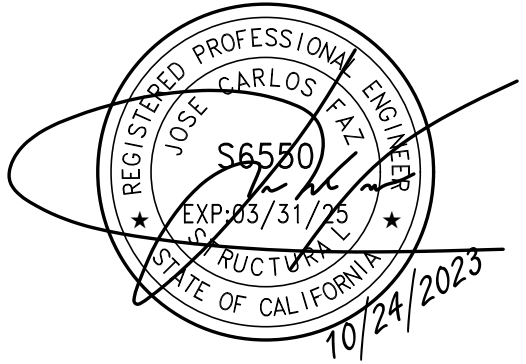
DRAWING INDEX

SHEET	DESCRIPTION
T1	TITLE SHEET AND SITE PLAN
LS1	SITE SURVEY
A1	ELEVATIONS
D1	DETAILS
D2	DETAILS
TC1	TRAFFIC CONTROL

PROJECT TEAM

OWNER:	CHARTER COMMUNICATIONS 9260 TOPANGA CANYON BLVD CHATSWORTH CA, 91311	ENGINEER/ ARCHITECT:	J5 INFRASTRUCTURE PARTNERS JOSE M. MIRANDA ARCHITECT/ENGINEER CONTACT PH: (949) 247-7767 EMAIL: jmiranda@j5ip.com 23 MAUCHLY, SUITE 110 IRVINE, CALIFORNIA, 92618
APPLICANT:	ALPHA TECHNOLOGIES, INC. JOHN CLAY SERVICE OPERATIONS MANAGER ENERGY SYSTEMS AMERICAS PH: (480) 220-1786 EMAIL: jclay@alpha.com		

SEAL



CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.

PART 2 - CALIFORNIA ADMINISTRATIVE CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE

PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE

PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE

PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE

PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE

PART 6 - CALIFORNIA ENERGY CODE

PART 7 - VACANT

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE

PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE

PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE

PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)

PART 12 - CALIFORNIA REFERENCED STANDARDS CODE

2. ANSII/A-222 (REV H)

3. 2018 NFPA 101, LIFE SAFETY CODE

4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE

5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS IF NOT FULL SIZE (24 X 36)

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BEAR THE RESPONSIBILITY FOR THE SAME.

SITE PLAN

24"x36" SCALE: 1" = 20'-0"
11"x17" SCALE: 1" = 40'-0"

20' 10' 0' 20'

811 Know what's below. Call before you dig.

CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

SITE INFORMATION

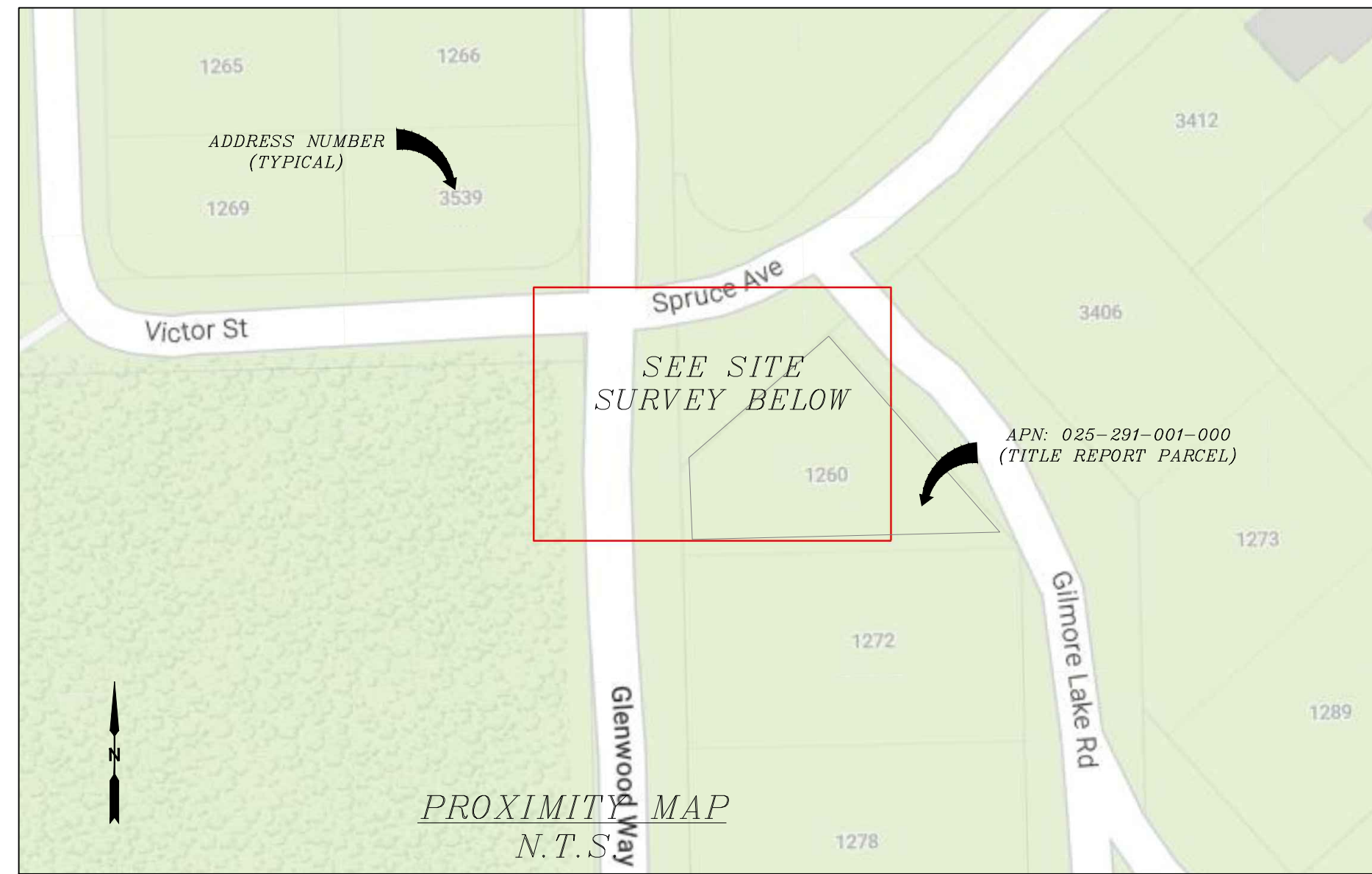
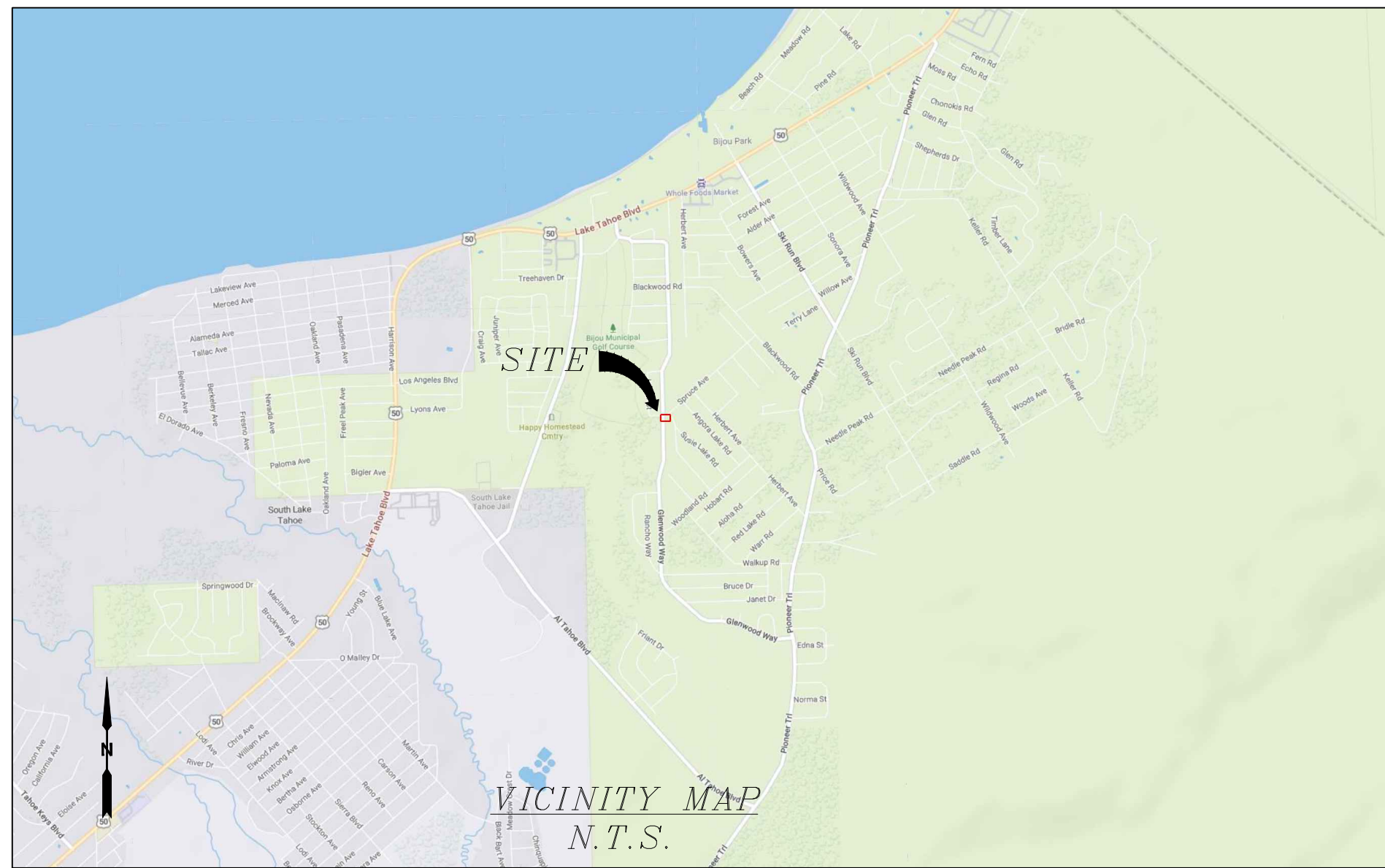
SITE ID:
ST130D_B

SITE ADDRESS:
SPRUCE AVE AND
GLENWOOD WAY,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TITLE SHEET

T1



CHARTER
9260 TOPANGA CANYON BLVD.
CHATSWORTH, CA 91311

ALPHA
3767 ALPHA WAY
BELLINGHAM, WA 98226

 **Eaton Land Surveying, Inc.**
15604 Magnolia Rd.
Grass Valley, CA. 95949
Ph. 530.830.0038

DRAWN BY: HE
CHECKED BY: SE

REVISIONS:		
REV	DATE	DESCRIPTION
0	10/07/23	SUBMITTAL



PROJECT INFORMATION:
ST130D_B
A SPRUCE AVE &
GLENWOOD WAY
SOUTH LAKE TAHOE, CA. 96150
EL DORADO COUNTY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

SURVEY DATE
09/27/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE TWO, DETERMINED BY GPS OBSERVATIONS.

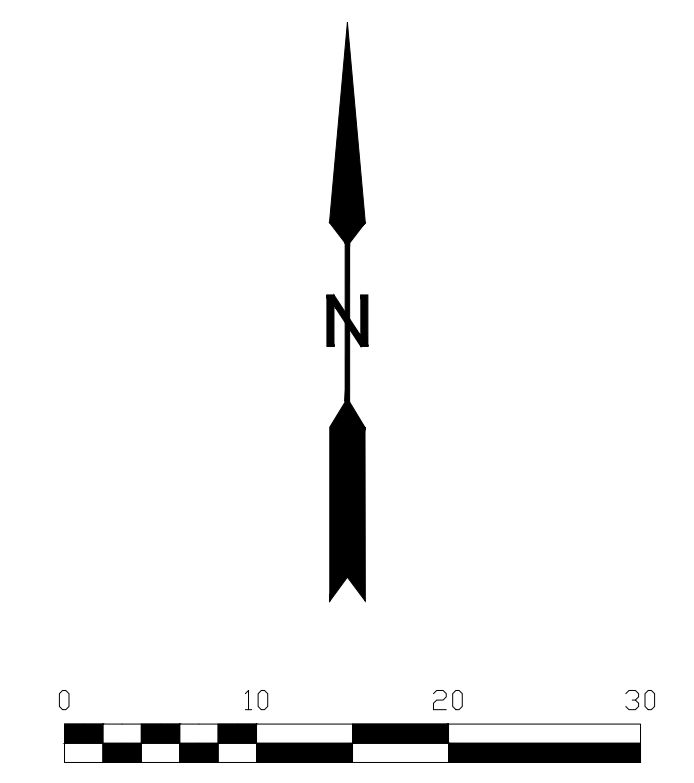
BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 18" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "CRTN" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

FLOOD_ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD_ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06017C0387F, DATED 04/03/2012.

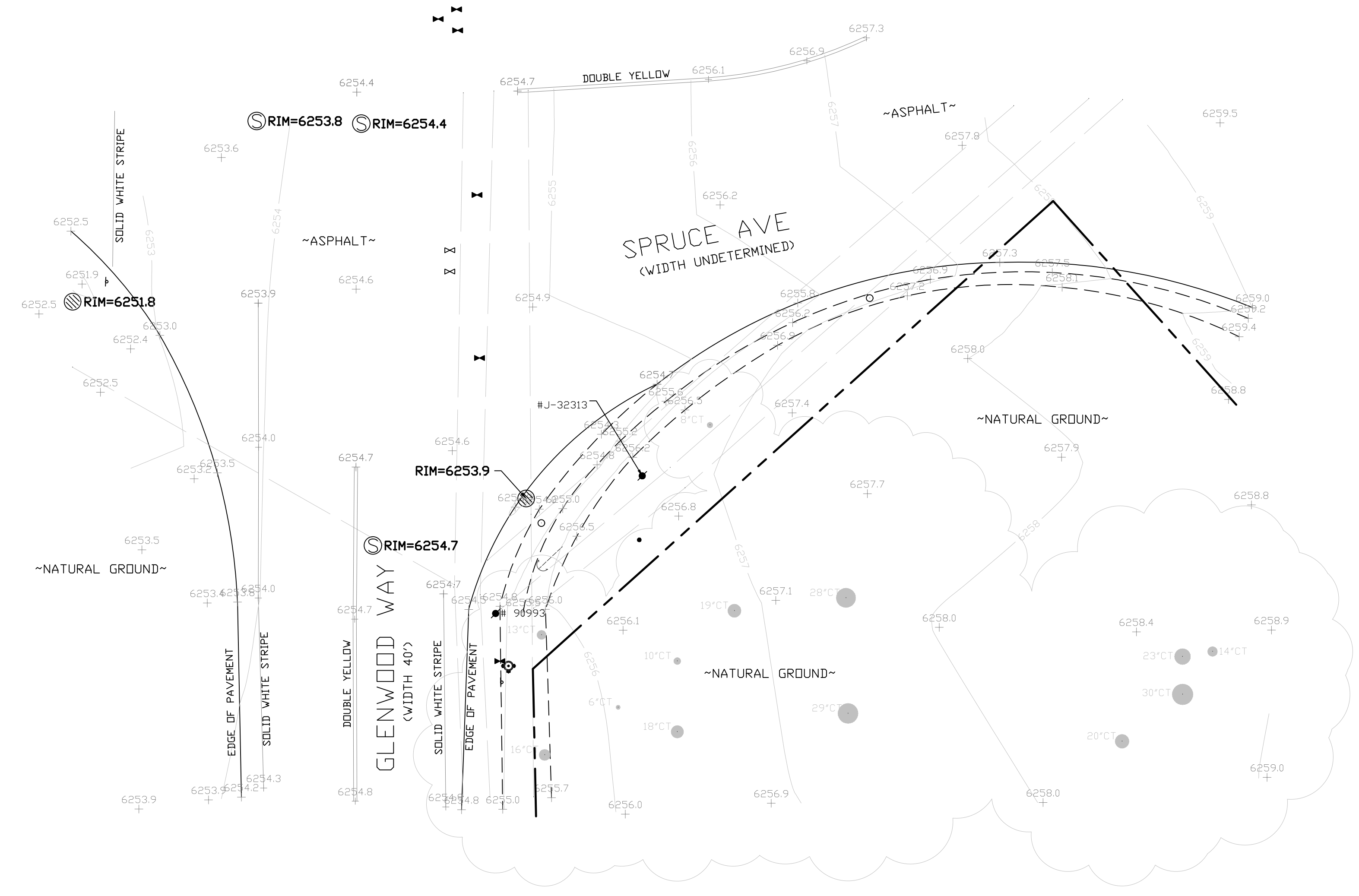
UTILITY NOTES
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTE
THE LOCATION AND DIMENSIONS SHOWN WERE TAKEN FROM THE MAP(S) RECORDED IN BOOK B PAGE(S) 30 OF MAPS EL DORADO COUNTY RECORDER AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTIES.

TITLE REPORT DESCRIPTION
TITLE REPORT PARCEL
APN: 025-291-001-000
PREPARED USING AMERICAN TITLE'S TITLE REPORT #5026900-7032396 DATED 08/31/2023;

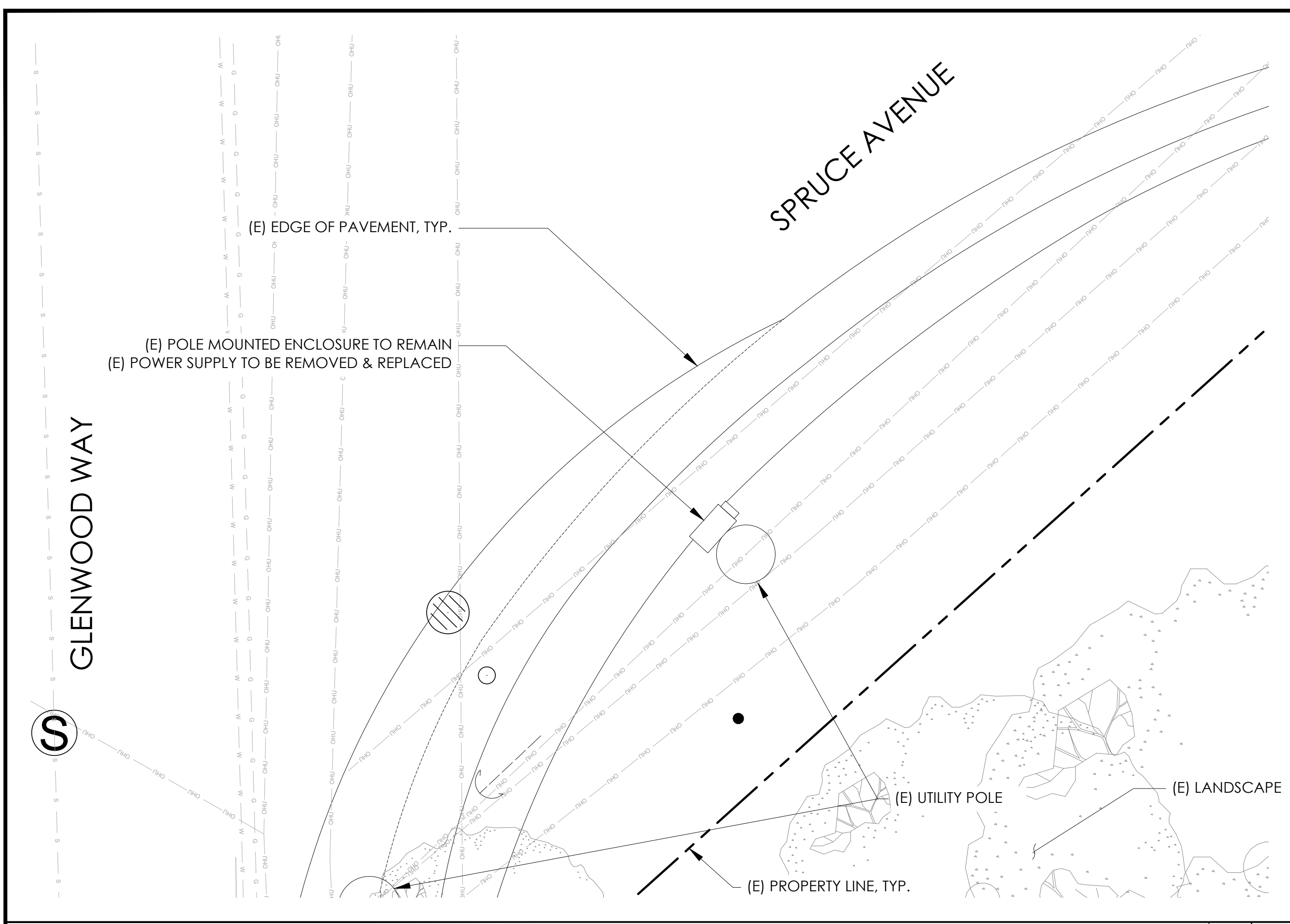


- LEGEND**
These standard symbols may be found in the drawing.
- CONCRETE
 - PROPERTY LINE
 - CENTER LINE
 - OVERHEAD LINE
 - FENCE
 - HEADER
 - ROOF
 - WALL
 - ROCK WALL
 - PULLBOX ELECTRIC
 - PULLBOX TELEPHONE
 - PULLBOX COMMUNICATION
 - WATER METER
 - WATER VALVE
 - POWER POLE
 - ELEVATION GRADE
 - GUY WIRE
 - MAILBOX
 - SIGN
 - MANHOLE TELEPHONE
 - MANHOLE SEWER
 - RECTANGLE INLET
 - FIRE HYDRANT
 - SHRUB
 - TRUNK
 - CT CONIFEROUS TREE
 - DT DECIDUOUS TREE
 - TC TOP OF CURB
 - FC FACE OF CURB
 - TF TOP OF FENCE
 - TW TOP OF WALL
 - CD CURB DRAIN

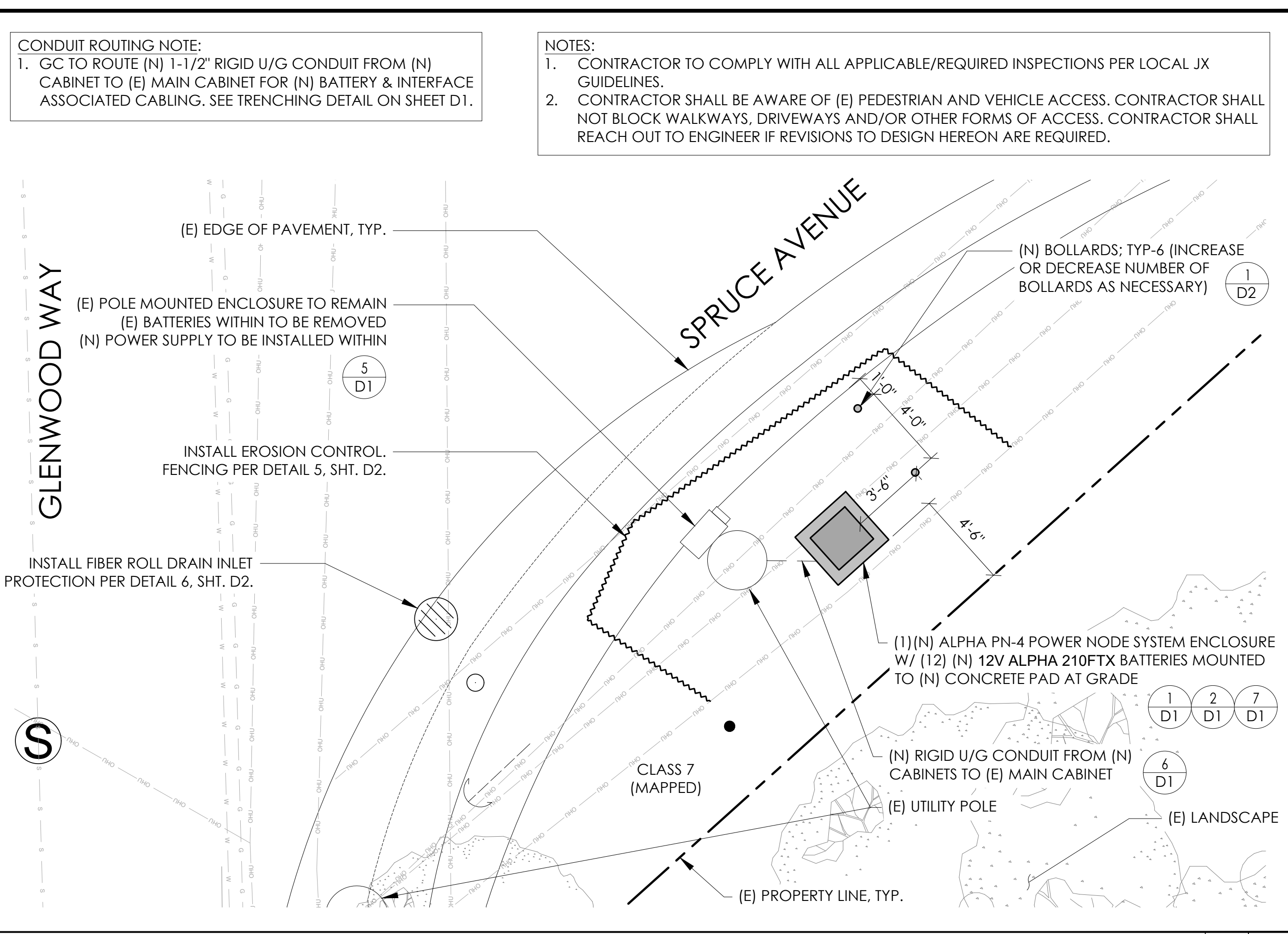


SITE SURVEY
SCALE 1"=10'

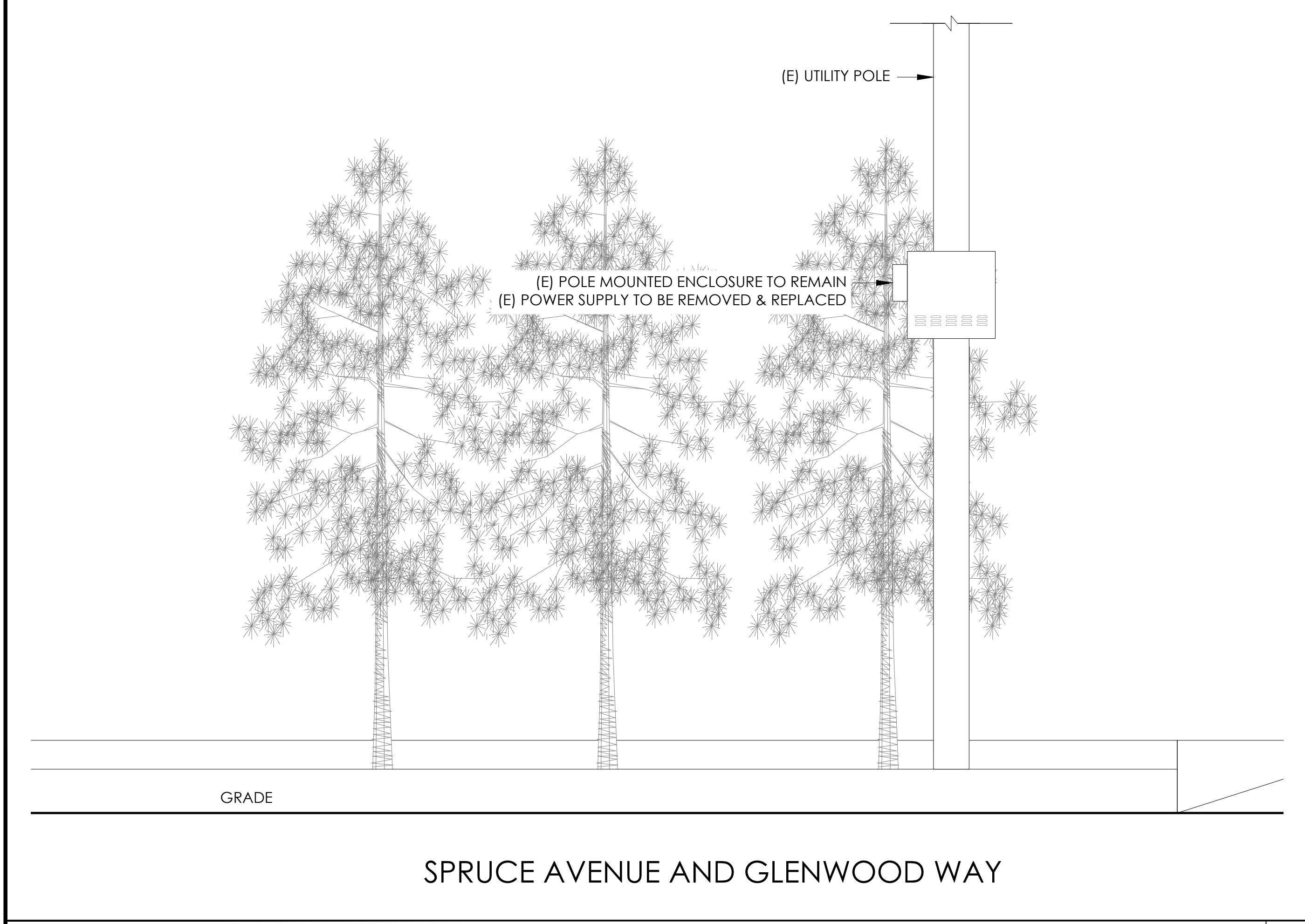




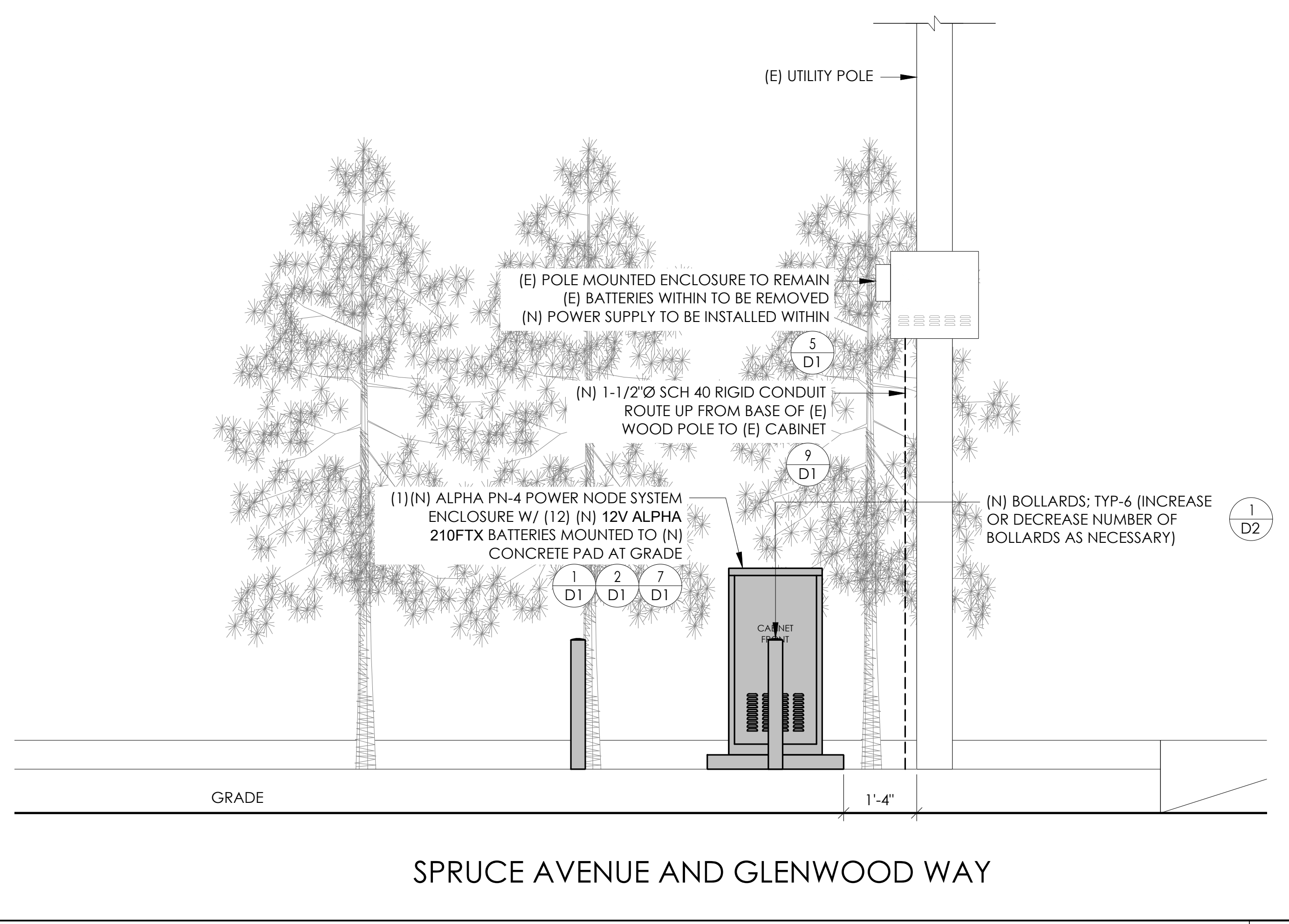
EXISTING ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 2



PROPOSED ENLARGED SITE PLAN 24"x36" SCALE: 1/4" = 1'-0" 11"x17" SCALE: 1/8" = 1'-0" 4' 3' 2' 1' 0" 4' NORTH 1



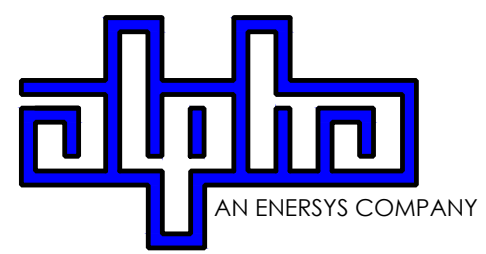
EXISTING ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 4



PROPOSED ELEVATION 24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" 2' 1' 0" 2' NORTH 3



9260 TOPANGA CANYON BLVD
CHATSORTH CA, 91311



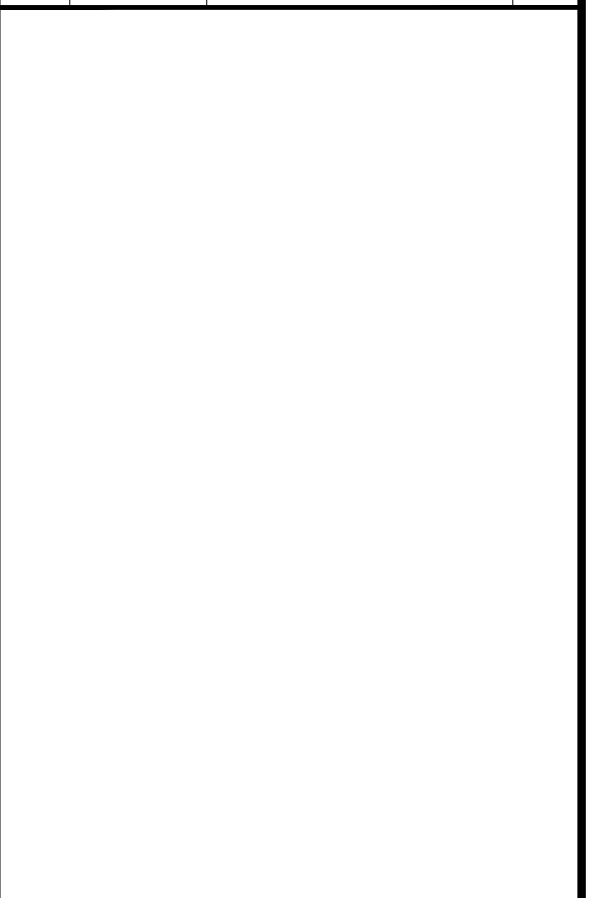
3767 ALPHA WAY
BELLINGHAM, WA 98226



23 MAUCHLY, STE 110
IRVINE, CA 92618
J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058748

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
A	08/04/21	90% CD	NA
0	08/26/21	100% CD	TT
1	10/13/21	100% CD REVISION	JG
2	10/24/23	100% CD REVISION	RD



SEAL

SITE INFORMATION

SITE ID:
ST130D_B

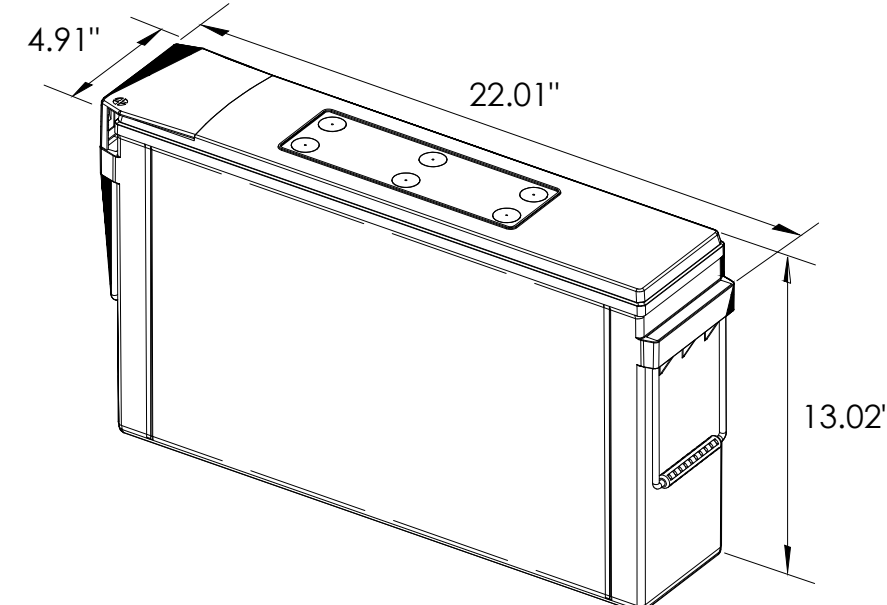
SITE ADDRESS:
SPRUCE AVE AND
GLENWOOD WAY,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:
ELEVATIONS

A1



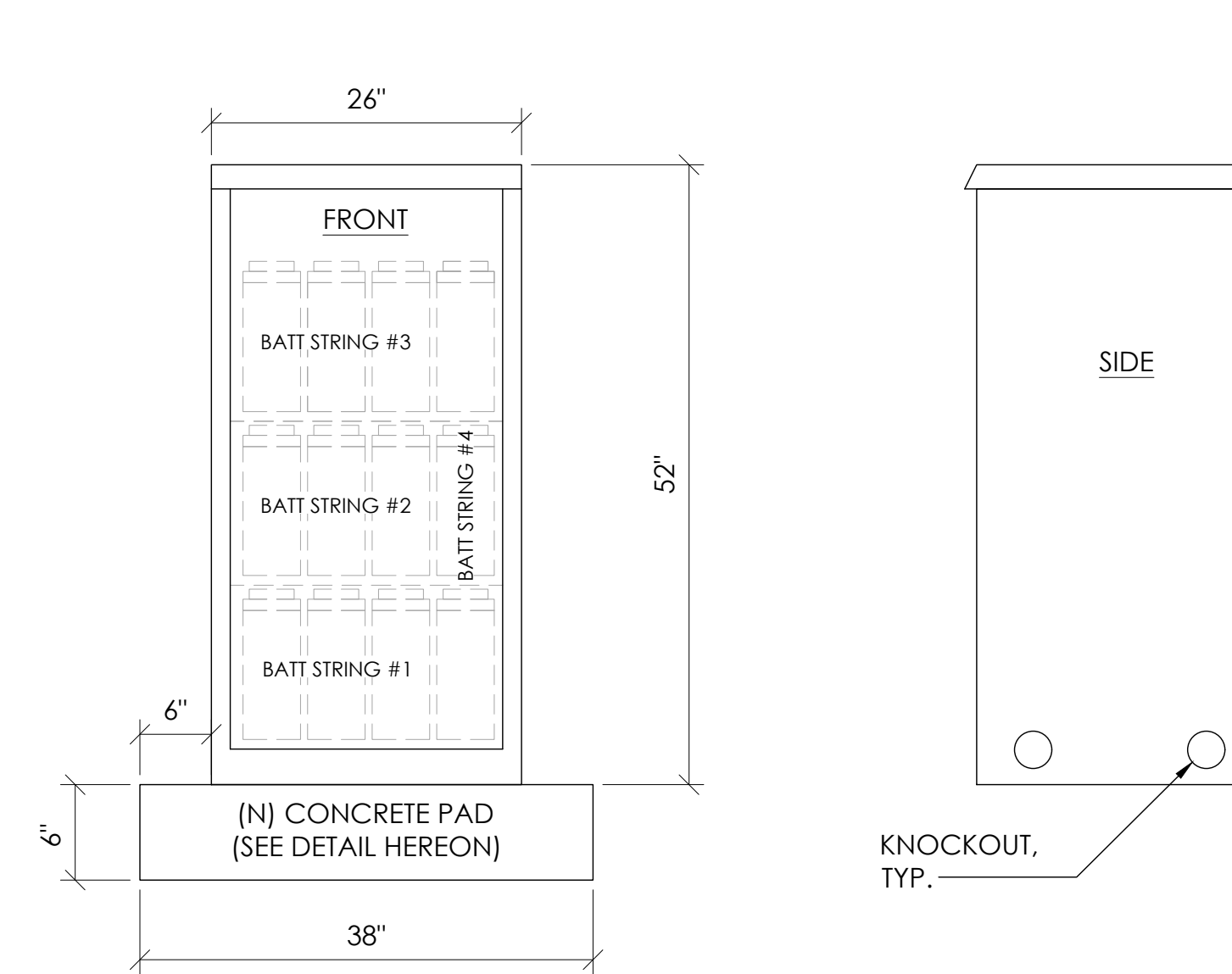
ALPHA
210 FIX BATTERY UNIT



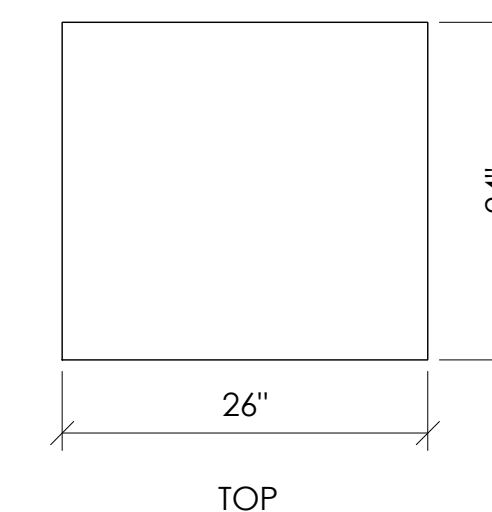
EQUIPMENT SPECIFICATIONS (1 UNIT)	
MFG:	ALPHA
MODEL:	210 FIX
HEIGHT:	13.02 IN
WIDTH:	4.91 IN
LENGTH:	22.01 IN
WEIGHT:	145 LBS

BATTERY INFORMATION (VRLA TYPE BATTERIES)										
INSTALL STATUS	BATTERY MODEL	TOTAL # OF BATTERY UNITS INSTALLED	VOLTAGE (V)	AMP-HOURS (AH)	KWh, Kilowatt-hours = (V*AH)/1000	TOTAL BATTERY CAPACITY, KWh	STATIONARY BATTERY STORAGE SYSTEM THRESHOLD QUANTITY, PER CFC 2019 SECTION 1206	STATIONARY BATTERY STORAGE SYSTEM CODE CHECK	TOTAL ELECTROLYTE VOLUME (GALLONS) PER UNIT	TOTAL ELECTROLYTE BY VOLUME (GALLONS) =
PROPOSED	ALPHACELL 210FTX	12	12	210	2.52	30.24			2.1	25.2
TOTAL		12				30.24	70	CFC 2019 SECTION 1206 DOES NOT APPLY		25.2

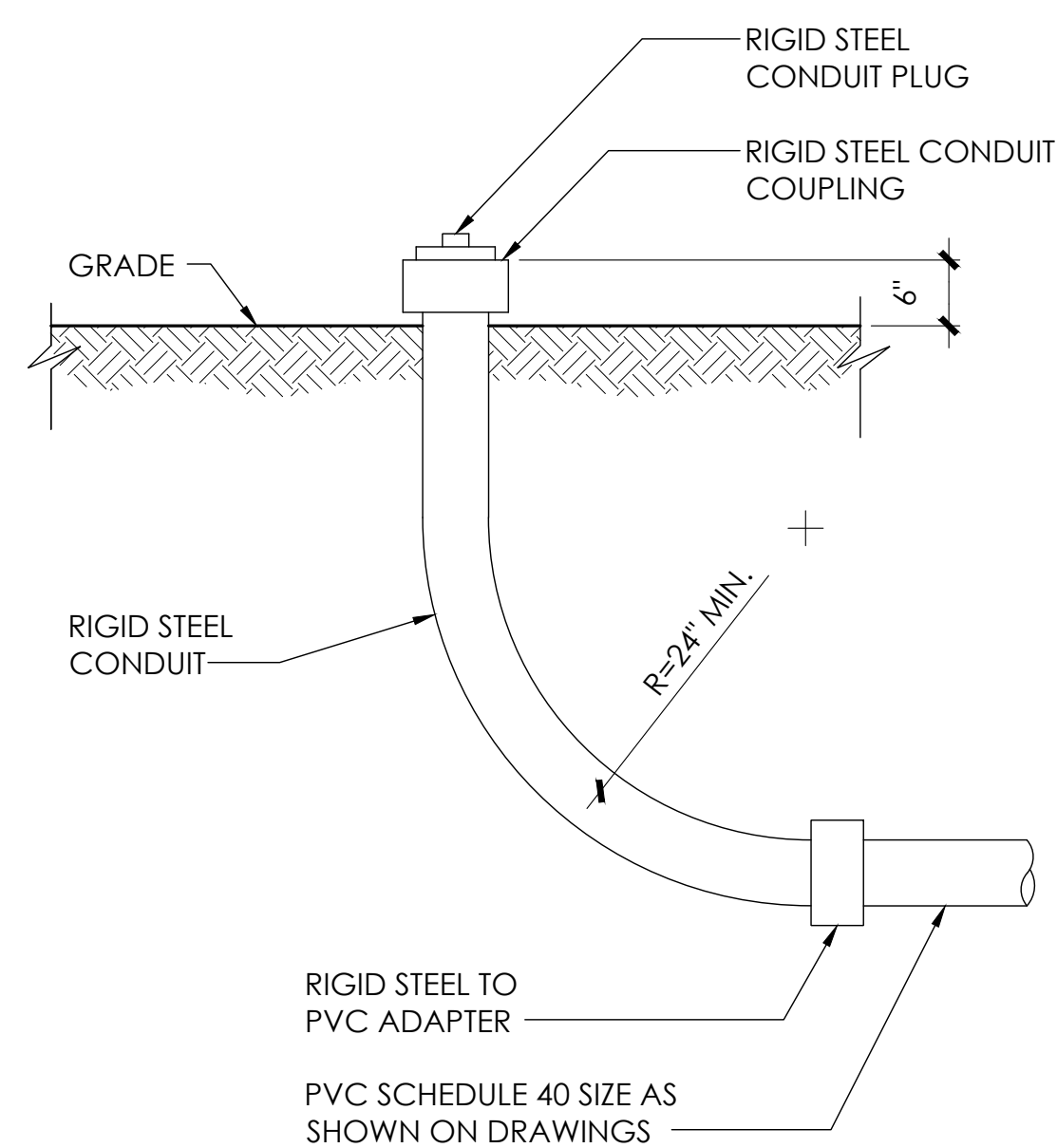
7 BATTERY SPECIFICATIONS
N.T.S.



CABINET SPECIFICATIONS	
MANUFACTURER:	ALPHA
MODEL:	PN-4
HEIGHT:	52"
WIDTH:	26"
DEPTH:	24"
WEIGHT (EMPTY):	180 LBS.
WEIGHT (W/ BATTERIES):	1,920 LBS.
MATERIAL:	ALUMINUM
BATTERY CONFIGURATION:	CABINET #1: (4) BATTERY STRINGS



1 EQUIPMENT CABINET DETAIL
N.T.S.

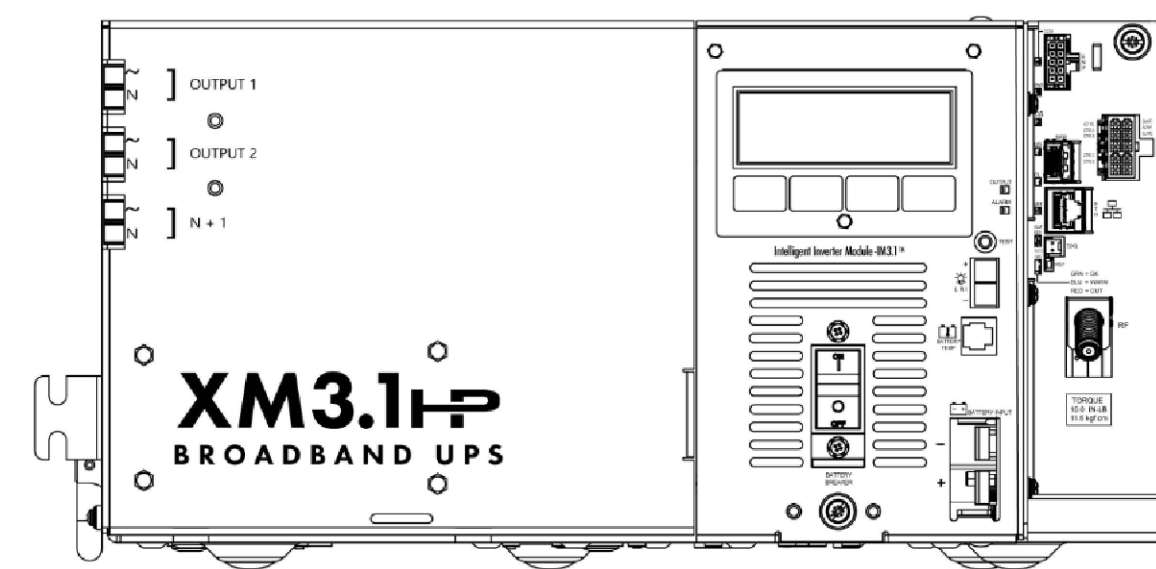


8 STUB-UP DETAIL
N.T.S.

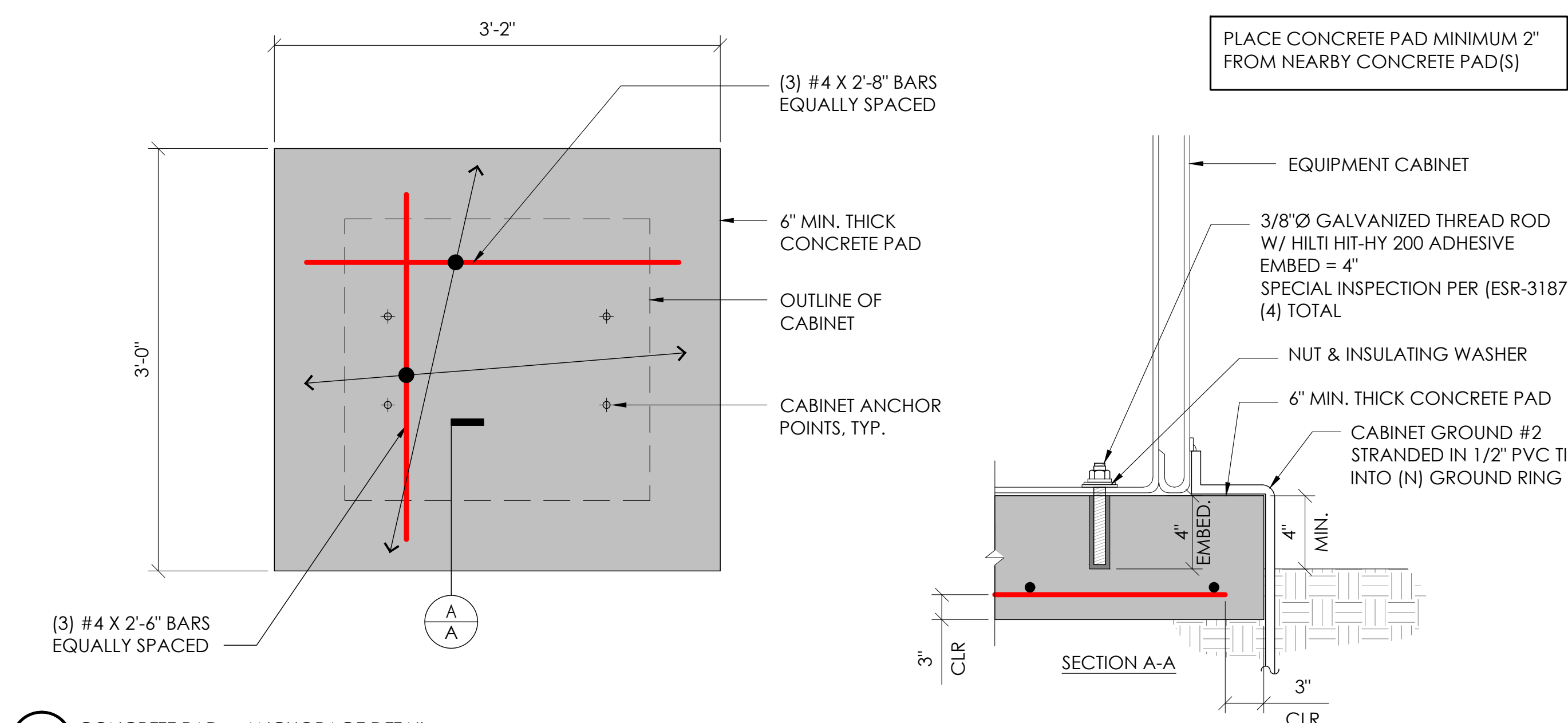
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

NOMINAL INPUT VOLTAGE: 120V AC
OUTPUT VOLTAGE: 63/89V AC

EQUIPMENT SPECIFICATIONS	
MFG:	ALPHA
MODEL:	XM3.1-HP
HEIGHT:	7.76 IN
WIDTH:	16.43 IN
DEPTH:	10.57 IN
WEIGHT:	61 LBS

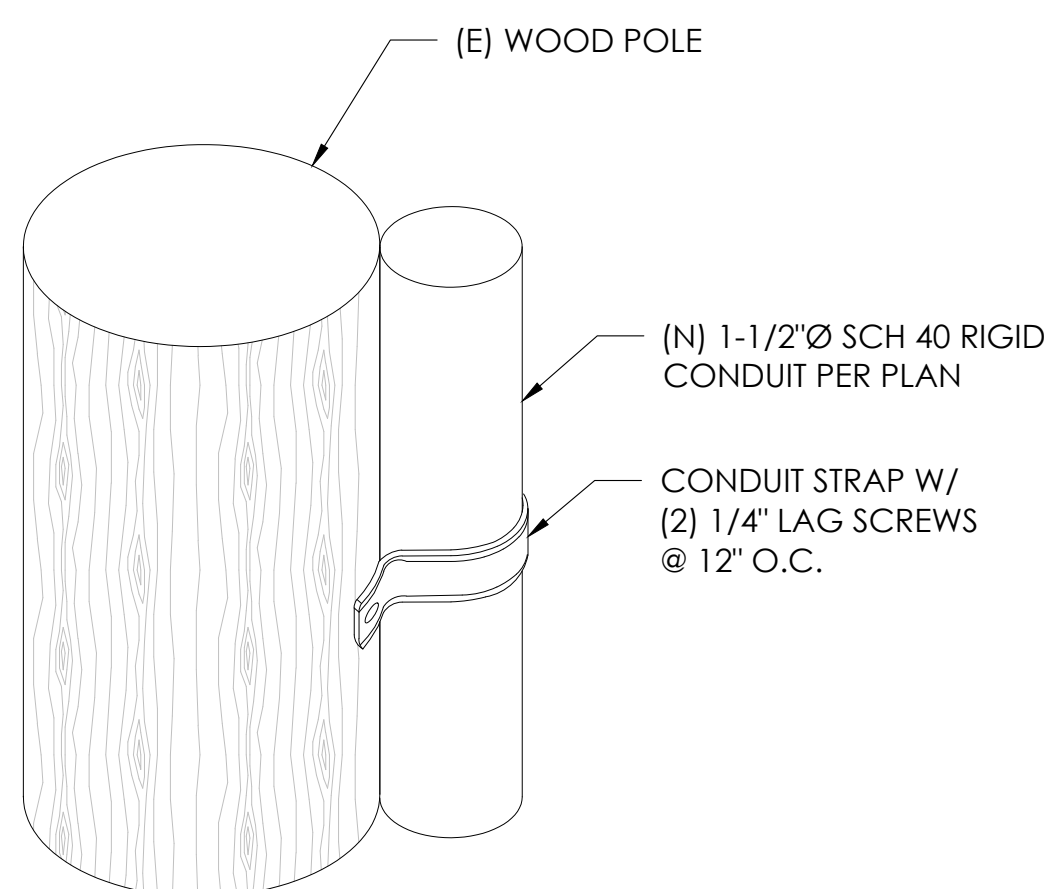


5 POWER SUPPLY DETAIL
N.T.S.



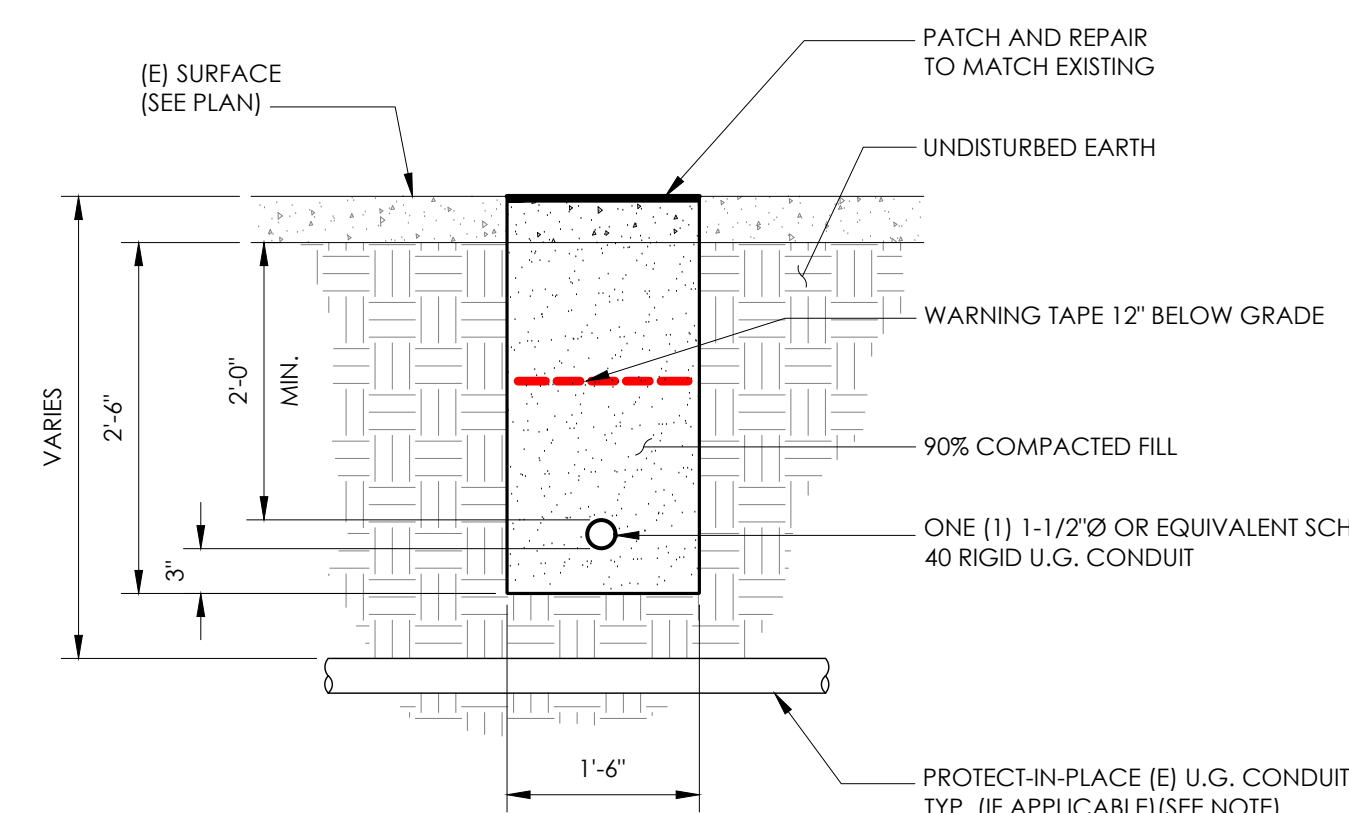
2 CONCRETE PAD & ANCHORAGE DETAIL
N.T.S.

NOTE:
1. CONTRACTOR TO VERIFY RISER MOUNTING REQUIREMENTS W/ POLE OWNER AND/OR POWER COMPANY



9 CONDUIT RISER ATTACHMENT DETAIL
N.T.S.

NOTE:
1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, CONDUITS WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE.



6 TRENCHING DETAIL
N.T.S.

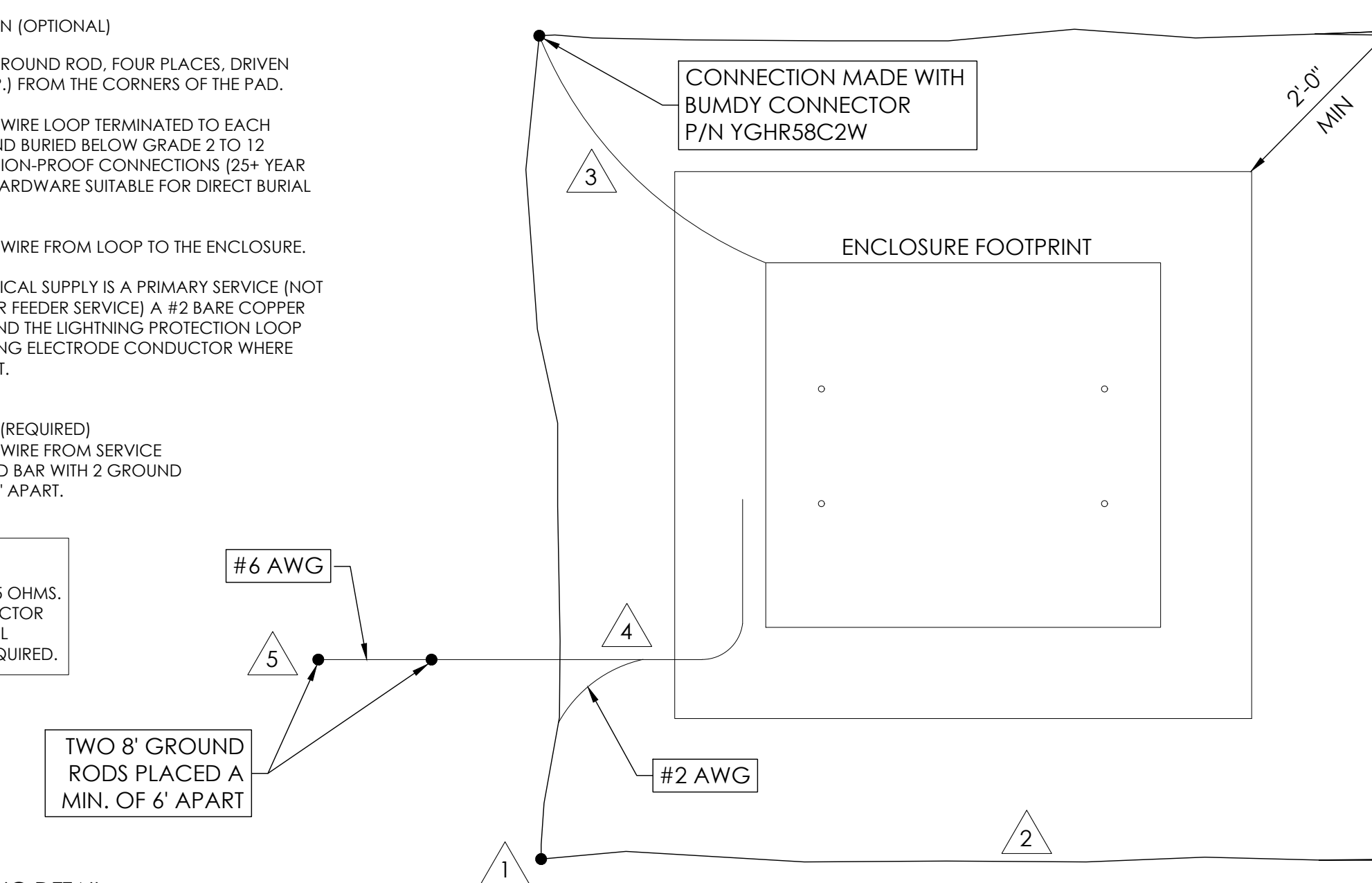
LIGHTNING PROTECTION (OPTIONAL)

- 1/2x8" COPPER GROUND ROD, FOUR PLACES, DRIVEN ABOUT 2 FEET (TYP.) FROM THE CORNERS OF THE PAD.
- #2 BARE COPPER WIRE LOOP TERMINATED TO EACH GROUND ROD AND BURIED BELOW GRADE 2 TO 12 INCHES. CORROSION-PROOF CONNECTIONS (25+ YEAR LIFE-SPAN) AND HARDWARE SUITABLE FOR DIRECT BURIAL MUST BE USED.
- #2 BARE COPPER WIRE FROM LOOP TO THE ENCLOSURE.
- WHEN THE ELECTRICAL SUPPLY IS A PRIMARY SERVICE (NOT A SECONDARY OR FEEDER SERVICE) A #2 BARE COPPER WIRE MUST BE BOND THE LIGHTNING PROTECTION LOOP TO THE GROUNDING ELECTRODE CONDUCTOR WHERE THEY ARE CLOSEST.

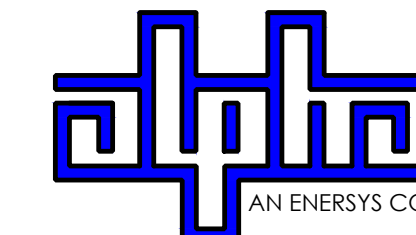
SERVICE GROUNDING (REQUIRED)
#4 BARE COPPER WIRE FROM SERVICE NEUTRAL/GROUND BAR WITH 2 GROUND RODS LOCATED 6" APART.

NOTE:
GROUND TEST SHALL MEASURE LESS THAN 25 OHMS. IF EXCEEDED, CONTRACTOR TO INSTALL ADDITIONAL GROUND RODS AS REQUIRED.

3 GROUNDING DETAIL
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226



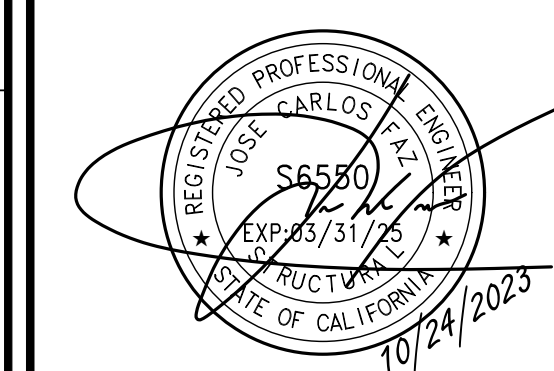
23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058748

ISSUE STATUS

REV	DATE	DESCRIPTION	BY
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1	10/13/21	100% CD REVISION	JG
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SEAL



SITE INFORMATION

SITE ID:
ST130D_B

SITE ADDRESS:
SPRUCE AVE AND
GLENWOOD WAY,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

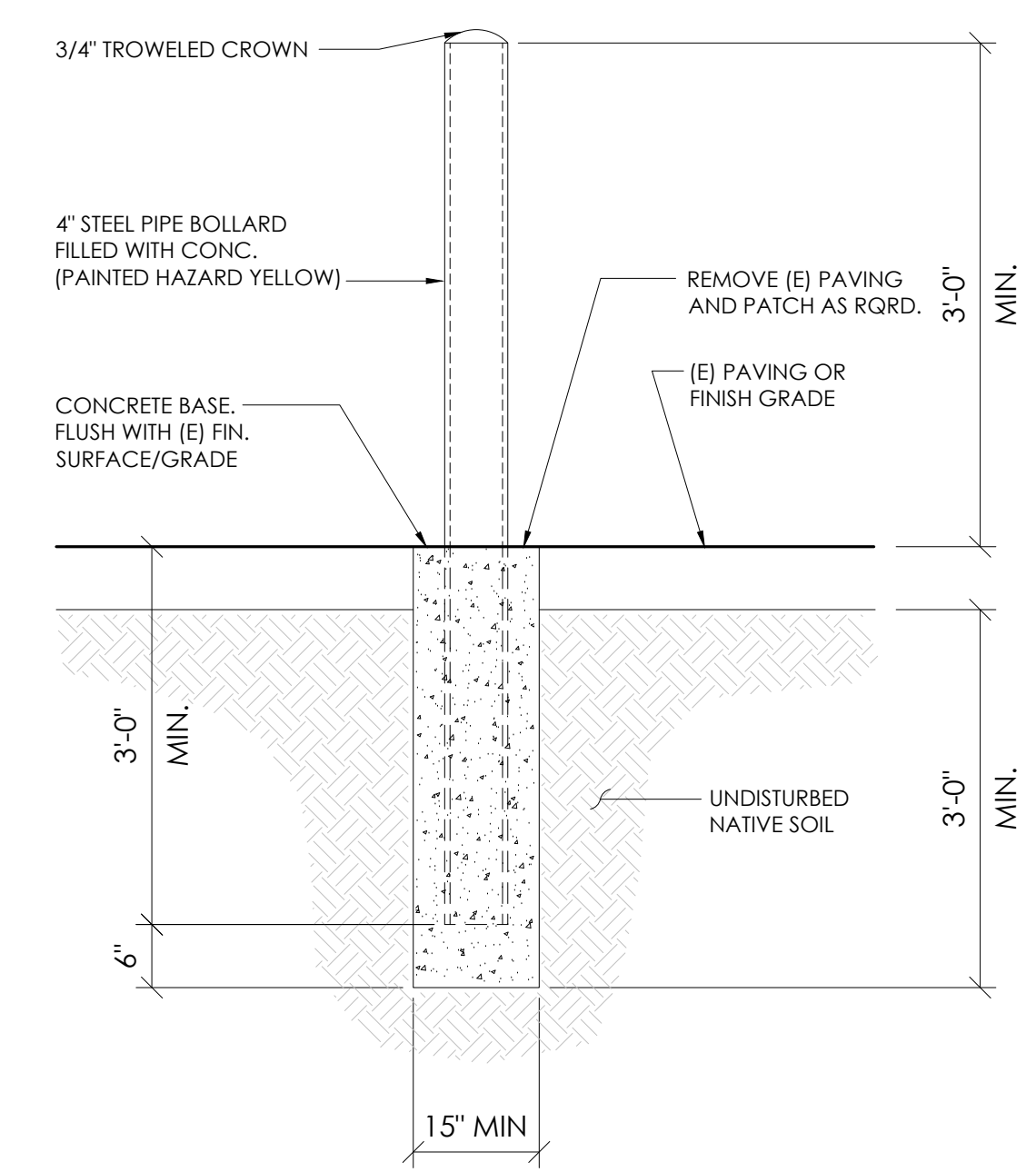
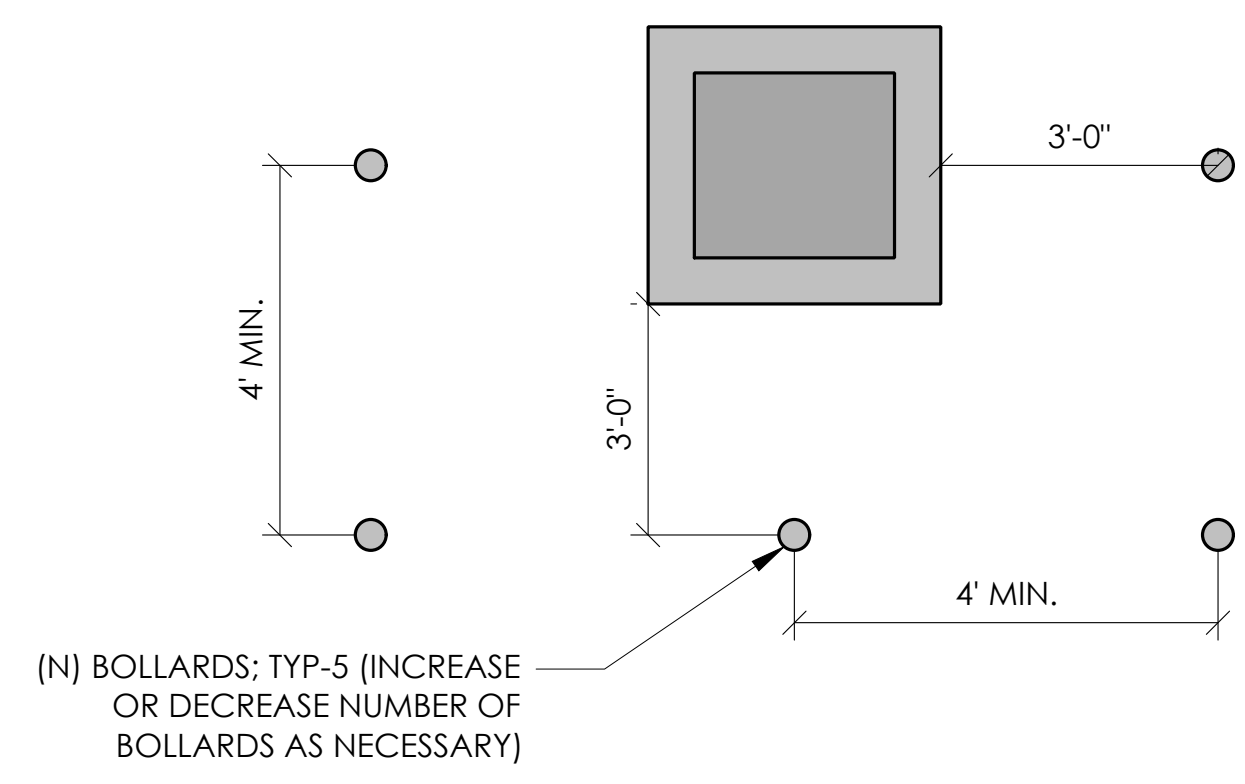
DETAILS

D1

10 NOT USED
N.T.S.

7 NOT USED
N.T.S.

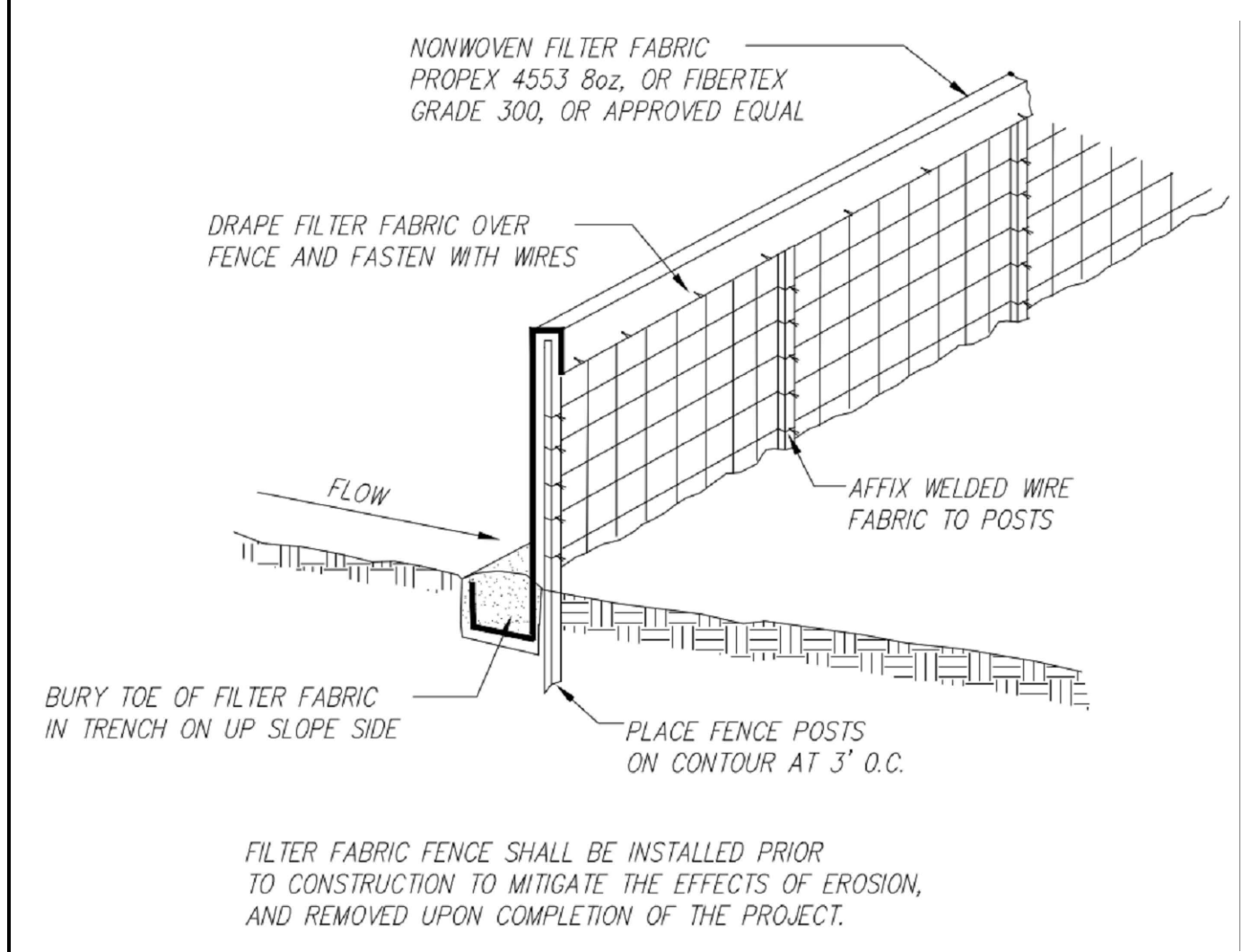
1 BOLLARD DETAIL
N.T.S.



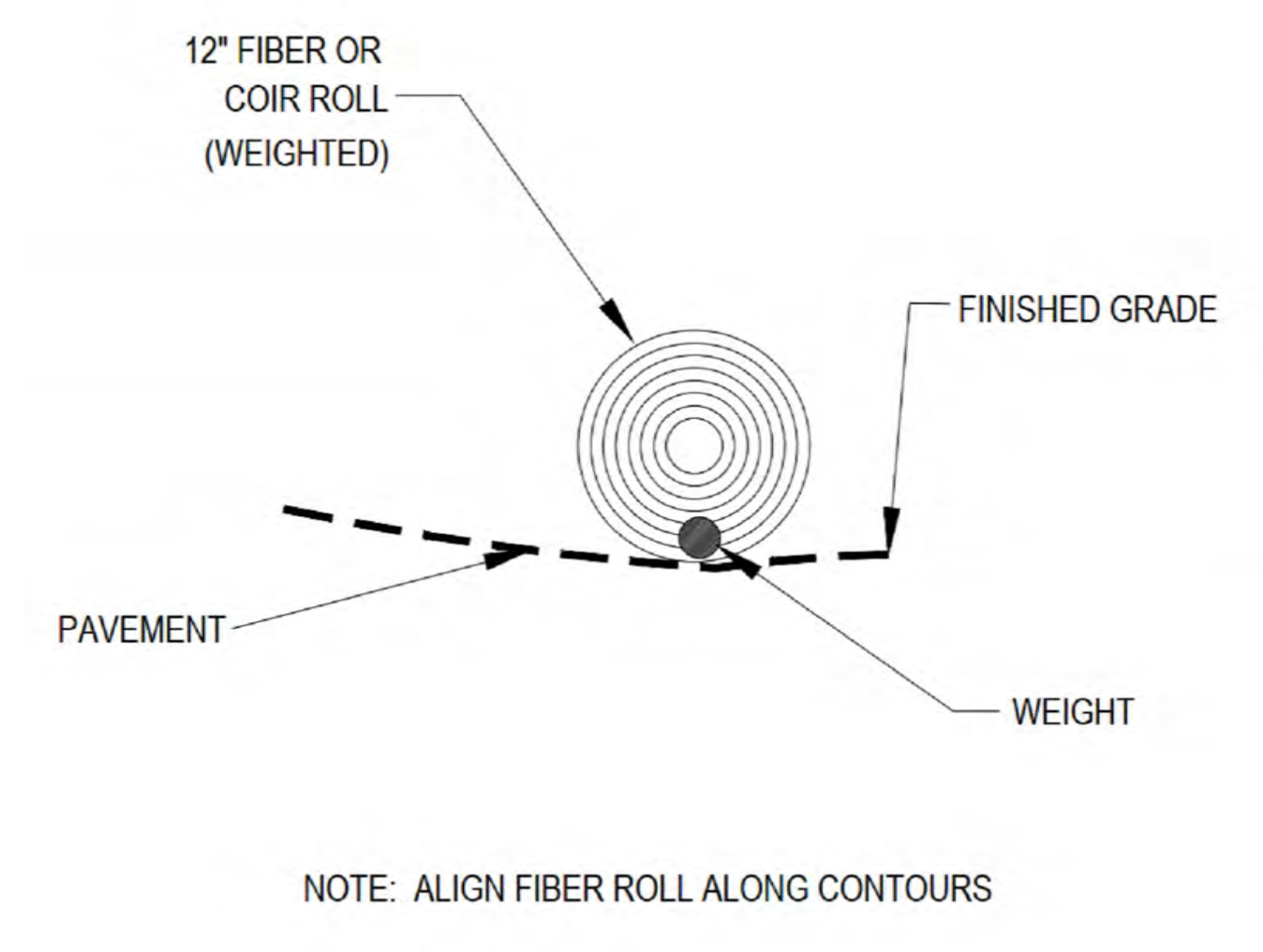
11 NOT USED
N.T.S.

8 NOT USED
N.T.S.

5 EROSION CONTROL FENCING
N.T.S.



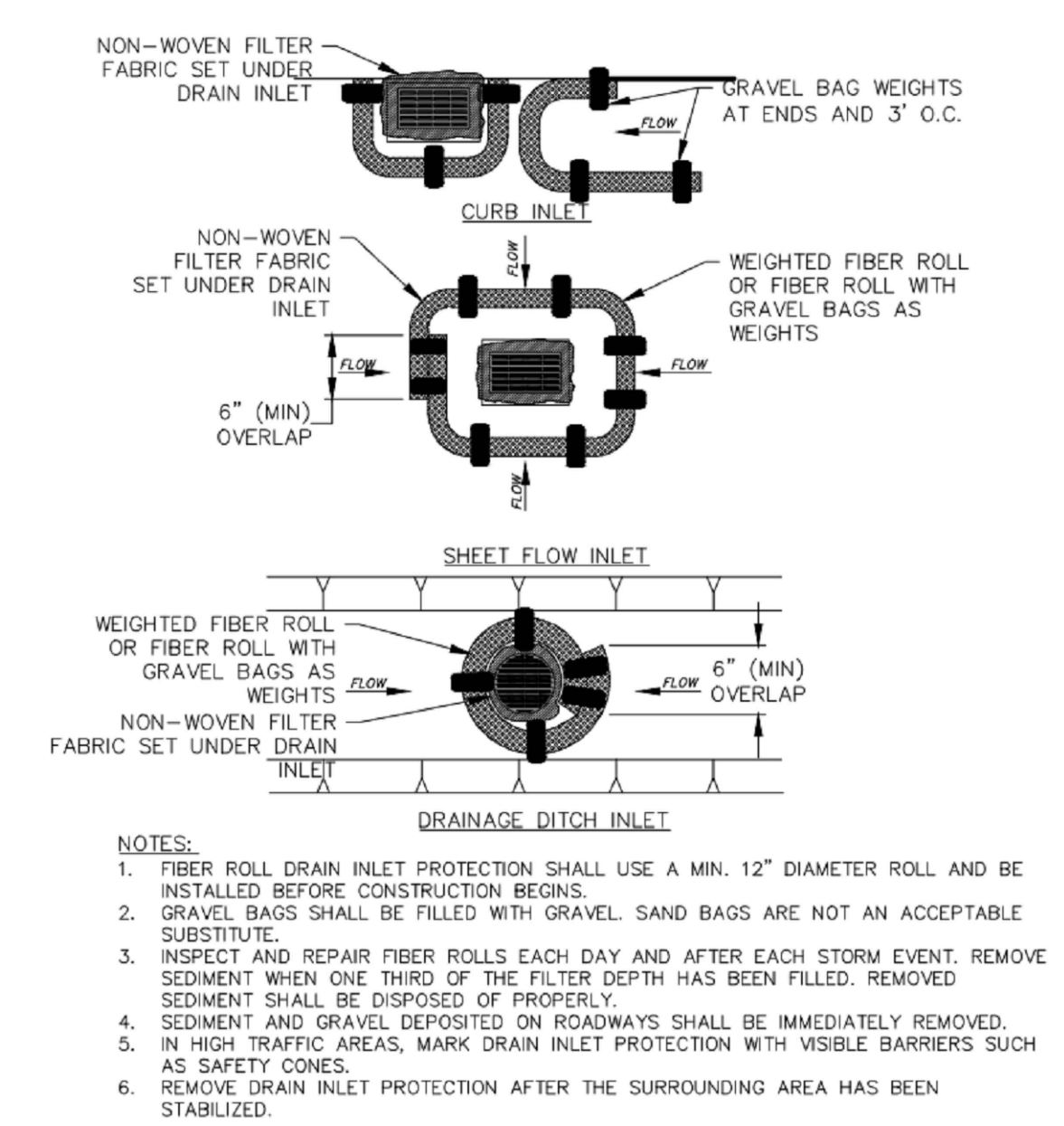
2 WEIGHTED COIR LOGS
N.T.S.



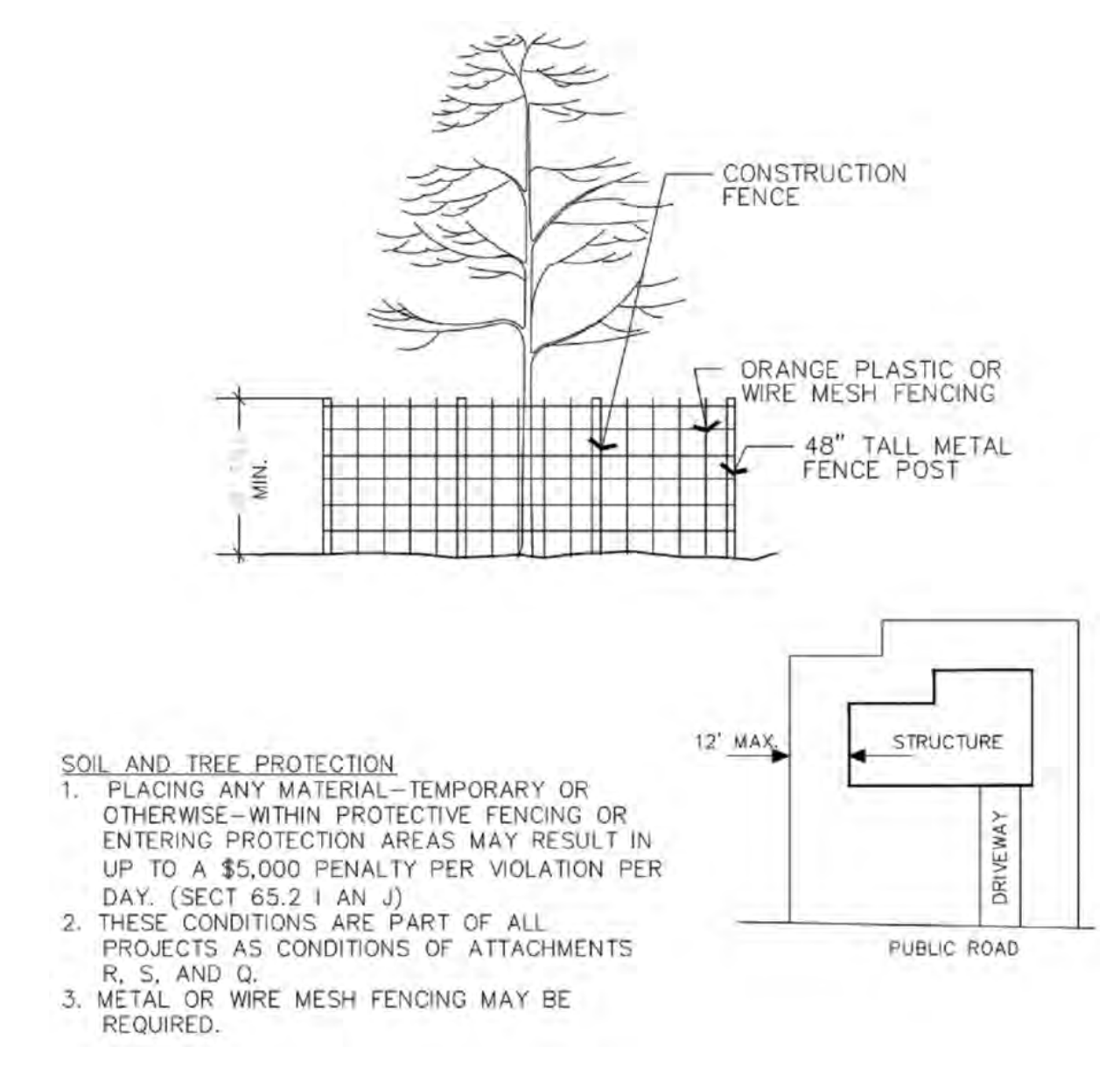
12 NOT USED
N.T.S.

9 NOT USED
N.T.S.

6 FIBER ROLL DRAIN INLET DETAIL
N.T.S.



3 VEGETATION PROTECTION FENCING
N.T.S.



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



3767 ALPHA WAY
BELLINGHAM, WA 98226

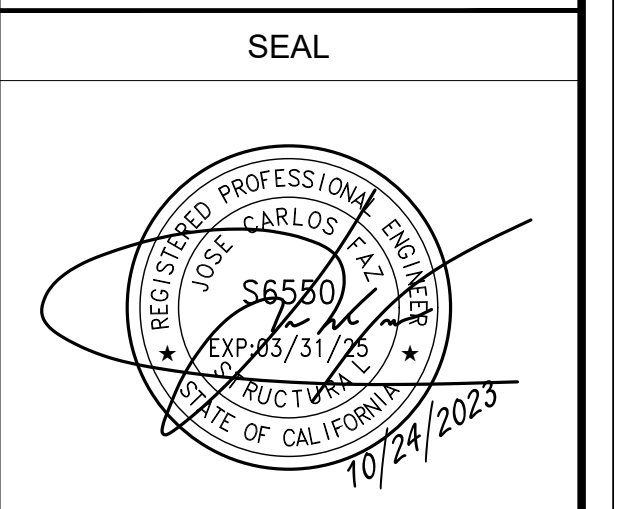


23 MAUCHLY, STE 110
IRVINE, CA 92618

J5 PROGRAM ID: ALP-CA-CPUC
J5 PROJECT ID: P-058748

ISSUE STATUS

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A	08/04/21	90% CD	NA
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SITE INFORMATION

SITE ID:
ST130D_B

SITE ADDRESS:
SPRUCE AVE AND
GLENWOOD WAY,
SOUTH LAKE TAHOE, CA
96150

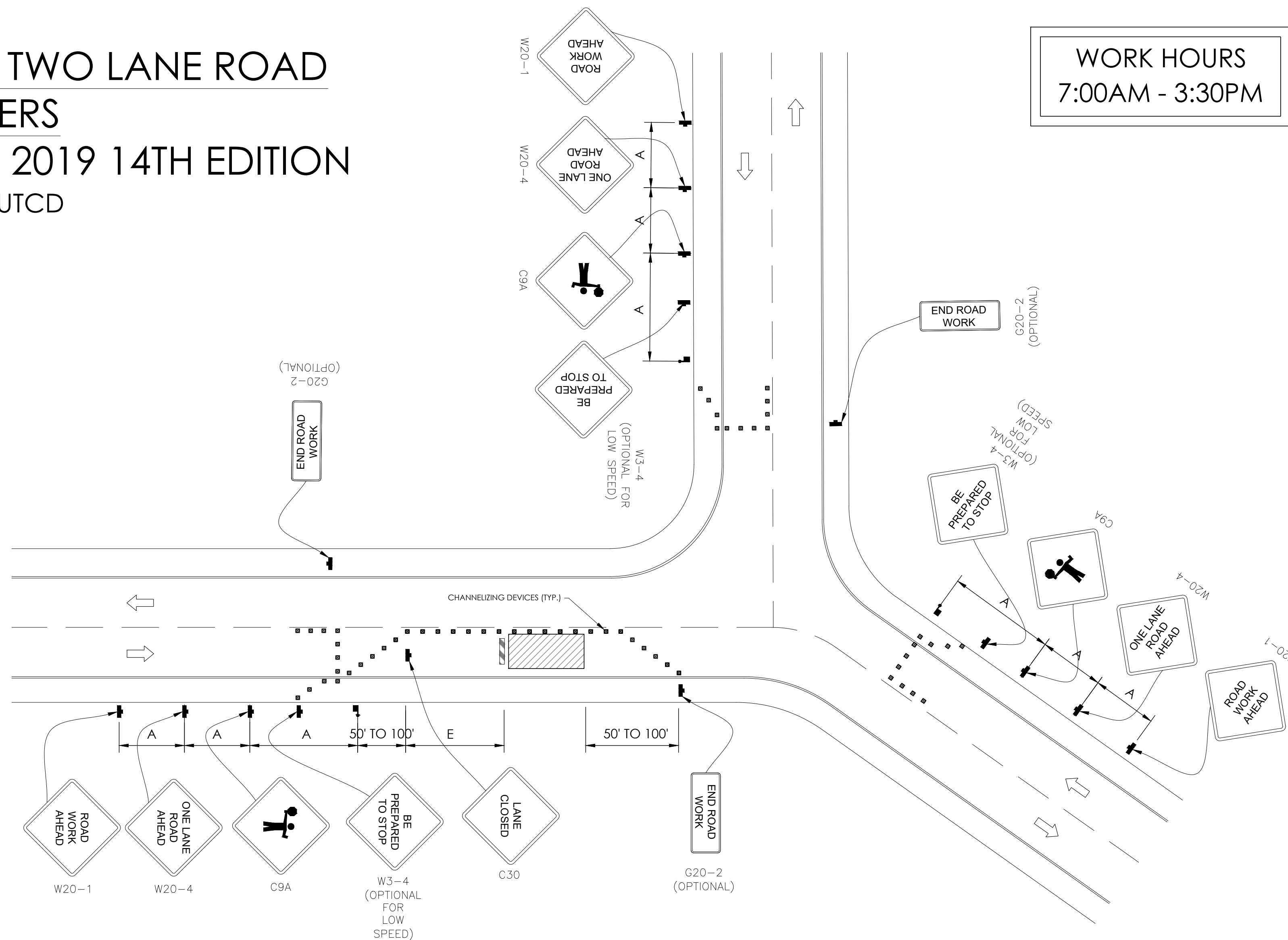
SHEET TITLE:

DETAILS

D2

TRAFFIC CONTROL FOR LANE CLOSURE ON TWO LANE ROAD INTERSECTION USING FLAGGERS

WORK AREA TRAFFIC CONTROL HANDBOOK 2019 14TH EDITION PER STANDARDS AND GUIDANCE OF CA-MUTCD



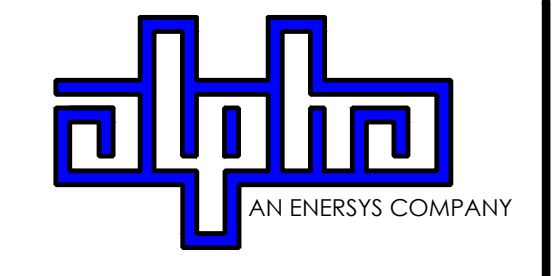
GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2014 EDITION.
2. ALL STRIPING AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA 2010 STANDARD PLAN A20A.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE..
7. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE THE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC., FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORKING HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. DIMENSIONS BASED ON GIS MAPPING DATA AND/OR RECORD DRAWINGS AND NOT A SURVEY.
16. TIME OF LANE CLOSURE TO BE IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTION.
17. ADDITIONAL ADVANCED FLAGGERS MAY BE REQUIRED. FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC. PLACE A MINIMUM OF FOUR CONES AT 40-FT INTERVAL IN ADVANCE OF FLAGGER STATION AS SHOWN.

SPEED MPH (2)	DIMENSION A/B/C ADVANCE WARNING SIGN SPACING (5)	DIMENSION L MERGIN TAPER LENGTH	DIMENSION L/2 SHIFTING TAPER LENGTH	DIMENSION L/3 MINIMUM SHOULDER TAPER	DIMENSION "E" BUFFER SPACE (4-A) AND FLAGGER STATION STOPPING SIGHT DISTANCE (4-B) (0%) (-3%) (-6%)	MAXIMUM CHANNELIZER TAPER SPACING (3)	MAXIMUM CHANNELIZER TANGENT SPACING (3)	MAXIMUM CHANNELIZER CONFLICT SPACING (6)
MPH	FT	ft	ft	ft	ft	ft	ft	ft
25	100	125	65	45	(155) (160) (135)	25	50	12
30	250	180	90	60	(200) (205) (215)	30	60	15
35	250	245	125	85	(250) (260) (275)	35	70	17
40	250	320	160	110	(305) (315) (335)	40	80	20
45	350	540	270	180	(360) (380) (400)	45	90	22
50	350	600	300	200	(425) (450) (475)	50	100	25
55	500	660	330	220	(495) (520) (555)	50	100	25
60	500	720	360	240	(570) (600) (640)	50	100	25
65	500	780	390	260	(645) (685) (730)	50	100	25
1	WORK ON FREEWAYS AND EXRESSWAYS SHALL MEET THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATION REQUIREMENTS							
2	POSTED SPEED OR OBSERVED OPERATION SPEED (WHICHEVER IS GREATER)							
3	CHANNELIZER SPACING SHALL BE REDUCED BY HALF AT AREAS WHERE WORK IS TAKING PLACE ON CURVES OR AREAS OF HEAD-ON CONFLICT							
4-A	BUFFER SPACE MAY BE INSERTED IN LOW-SPEED URBAN AREAS AND SHOULD BE INSERTED IN HIGH-SPEED URBAN AND RURAL AREAS							
4-B	THE STOPPING SIGHT DISTANCE SHOULD ENABLE ROAD USERS TO SEE THE PRIMARY FLAGGER STATION AND SAFELY STOP							
5	SIGN SPACING IN RURAL AREAS SHOULD BE 500 FT							
6	** TABLE 6F-101 (CA)							



9260 TOPANGA CANYON BLVD
CHATSWORTH CA, 91311



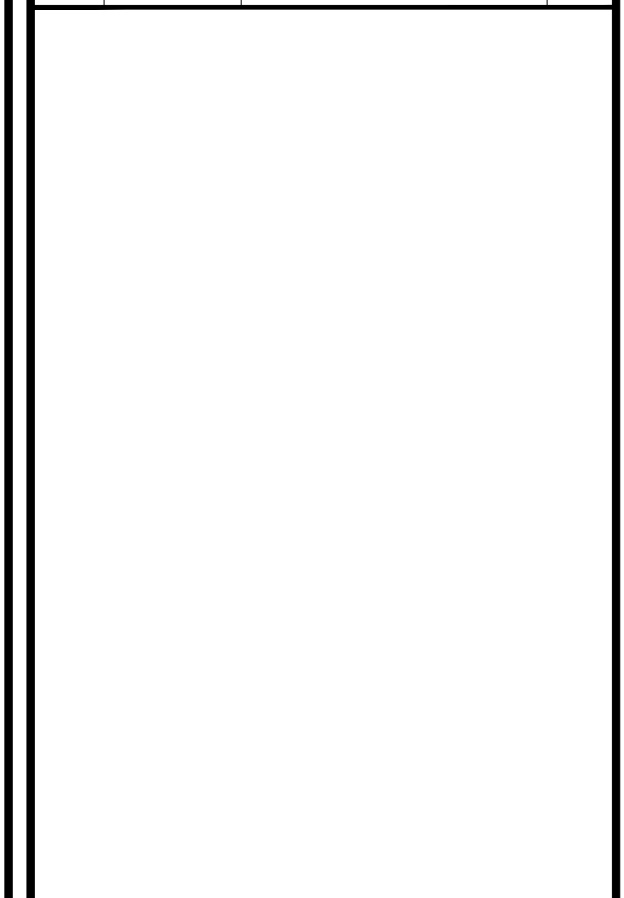
3767 ALPHA WAY
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23 MAUCHLY, STE 110
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SEAL

SITE INFORMATION

**SITE ID:
ST130D_B**

SITE ADDRESS:
SPRUCE AVE AND
GLENWOOD WAY,
SOUTH LAKE TAHOE, CA
96150

SHEET TITLE:

TRAFFIC CONTROL

TC1

Resolution 2024-XX

Adopted by the City of South Lake Tahoe Planning Commission

April 18, 2024

Approving a Special Use Permit for Charter Communications Transmission and Receiving Facilities

BACKGROUND

- A. On April 18, 2024, the City of South Lake Tahoe Planning Commission held a duly noticed public hearing to consider a Special Use Permit (File #22-067) to legalize all existing transmission and receiving facilities in the public right of way owned and operated by Charter Communications.
- B. The City of South Lake Tahoe City Planning Commission conducted a public hearing, received public comments, considered the evidence in the record, and deliberated.
- C. In accordance with Government Code Section 65091(a)(4), a public notice of the April 18, 2024 Planning Commission Meeting was published in the Tahoe Daily Tribune on April 5, 2024.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, BE IT RESOLVED, that the City of South Lake Tahoe Planning Commission:

1. Finds the proposed project is categorically exempt from CEQA under Section 15301, Class 1, Existing Facilities, because the project is required by law and therefore constitutes maintenance of the existing infrastructure. It does not create an expansion of the use. Additionally, because the project is intended to mitigate effects of wildfires, it is exempt from CEQA under Section 15269, Emergency Projects.
2. Finds the proposed project is necessary or desirable on a specific parcel. It is necessary to conform with existing law regarding emergency operations. The project must occur at the proposed locations as they contain existing communications equipment that the project will enhance.
3. Finds the proposed project is not injurious to the neighborhood. Communications equipment exists at each location and is necessary to support the neighborhood in the event of an electrical outage.

4. Finds the proposed project is consistent with the intent of South Lake Tahoe City Code chapter 6.55. City Code section 6.55.620 allows the granting of a use permit to authorize a special use where, as here, the applicable area/area plan includes the use as permissible. Furthermore, the proposed project is accessory to existing uses on each of the parcels.
5. Finds the proposed project is consistent with permitted uses in the plan area/area plan. Transmission and receiving facilities are permitted in each location with a special use permit. It is necessary to have communications infrastructure where residential and commercial uses are present.
6. Approves City Special Use Permit #22-067 to legalize all existing transmission and receiving facilities in the public right of way owned and operated by Charter Communications.

Adopted by the City of South Lake Tahoe Planning Commission on April 18, 2024, by the following vote:

Yes:
No:
Absent:
Abstain:

Natalia Wieczorek, Chair

Date:_____

Attest:

Sue Blankenship, City Clerk

The presence of an electronic signature certifies that the foregoing is a true and correct copy as approved by the South Lake Tahoe City Council.



CITY OF SOUTH LAKE TAHOE

SPECIAL USE PERMIT

Project Name: Charter Communications Backup Infrastructure
File: 22-067
Location: Citywide
Project APN: NA
Owner(s): Charter Communications
Applicant: Energy Systems (EnerSys)

CONDITIONS of APPROVAL

General:

- 1) This Special Use Permit authorizes transmission and receiving infrastructure and maintenance at all existing Charter Communications facilities within the City-owned right of way.
- 2) The City will file a Notice of Exemption, pursuant to Section 15062 of the CEQA Guidelines, with the County Clerk's Office and the Office of Planning and Research for posting, within five days of project approval, as required by CEQA. The filing of a Notice of Exemption and the posting on the list of notices starts a 35-day statute of limitations period on legal challenges to the City's decision that the project is exempt from CEQA. If a Notice of Exemption is not filed, a 180-day statute of limitations will apply.
- 3) This Special Use Permit shall expire and become null and void one year after the date of granting, unless such use permit is utilized prior to the date of expiration. For good cause shown, the authority granting the Special Use Permit may be extended for an additional period not to exceed an aggregate of one year in all. (SLTCC § 6.55.640.F).
- 4) Each Special Use Permit granted and utilized shall be valid for a period not to exceed the term specified by the granting authority. If a term is not so specified, such permit shall be valid until terminated or revoked. This Special Use Permit granted and utilized shall run with the land, shall apply to the locations specified in the use permit,

regardless of any change of ownership but may not be transferred to another parcel (SLTCC § 6.55.640.G).

- 5) This Special Use Permit shall become effective and will be issued no sooner than five business days after the date of the granting of the Special Use Permit. If prior to the expiration of such fifteen-day period an appeal is filed, the Special Use Permit shall not be issued until the granting of the permit is affirmed on appeal (SLTCC § 6.55.640.H).
- 6) This approval is based on the permittee's representation that all information contained in the subject application is true and correct. Should any information or representation submitted in connection with the project application be incorrect or untrue, the City may rescind this approval or take other appropriate action. Approval of this permit is only for what is described in this permit based on the plan submittals.
- 7) The permittee shall obtain all necessary City of South Lake Tahoe building permits, encroachment permits, or other City improvement permits prior to the commencement of any construction.
- 8) Any future modifications to locations included in this permit will require the applicant to obtain an encroachment permit and, at the Building Official's discretion, a building permit. Each submittal shall include a site survey completed by a licensed surveyor.
- 9) The permittee shall obtain all necessary Tahoe Regional Planning Agency permits prior to the commencement of any construction.
- 10) The owner or authorized representative shall acknowledge this permit and the conditions contained within by satisfying all conditions of approval and signing below.

END OF PERMIT

CITY APPROVAL: Having made the finding that the project is consistent with all applicable City-wide Design Standards, City Code, and the City General Plan, the City approves the project, subject to the conditions of approval listed in this permit.

Approved by Planning Commission 4/18/2024

City Approval Signature

Date

PERMITTEE'S ACCEPTANCE: I have read the permit and the conditions of approval and understand and accept them. I also understand that I am responsible for compliance with all the conditions of the permit and responsible for agents' and employees' compliance

with the permit conditions. I understand that it is my sole responsibility to obtain any and all required approvals from any other state, local or federal agencies that may have jurisdiction over this project, whether or not they are listed in this permit.

Signature of owner or authorized representative

Date

CITY ACKNOWLEDGEMENT: The permittee has complied with all conditions of approval.

City Acknowledgment Signature

Date

Notice of Exemption

To: Office of Planning and Research
State Clearinghouse
P.O. Box 3044
Sacramento, CA 95812-3044

From: City of South Lake Tahoe
1052 Tata Lane
South Lake Tahoe, CA 96150

County Clerk
County of El Dorado

Project Title: _____

Project Location - Specific: _____

Project Location – City: South Lake Tahoe

Project Location - County: El Dorado

Description of Project: _____

Name of Public Agency Approving Project: City of South Lake Tahoe

Name of Person or Agency Carrying out Project: _____

Exempt Status: *(check one)*

- Ministerial (Sec. 21080(b)(1); 15268)
- Declared Emergency (Sec. 21080(b)(3); 15269(a))
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c))
- Categorical Exemption. State type and section number: _____
- Statutory Exemptions. State code number: _____

Reasons why the project is exempt: _____

Lead Agency Contact Person: Anna Kashuba, Senior Planner

Area Code/Telephone: 530-542-7405

Email: akashuba@cityofslt.us

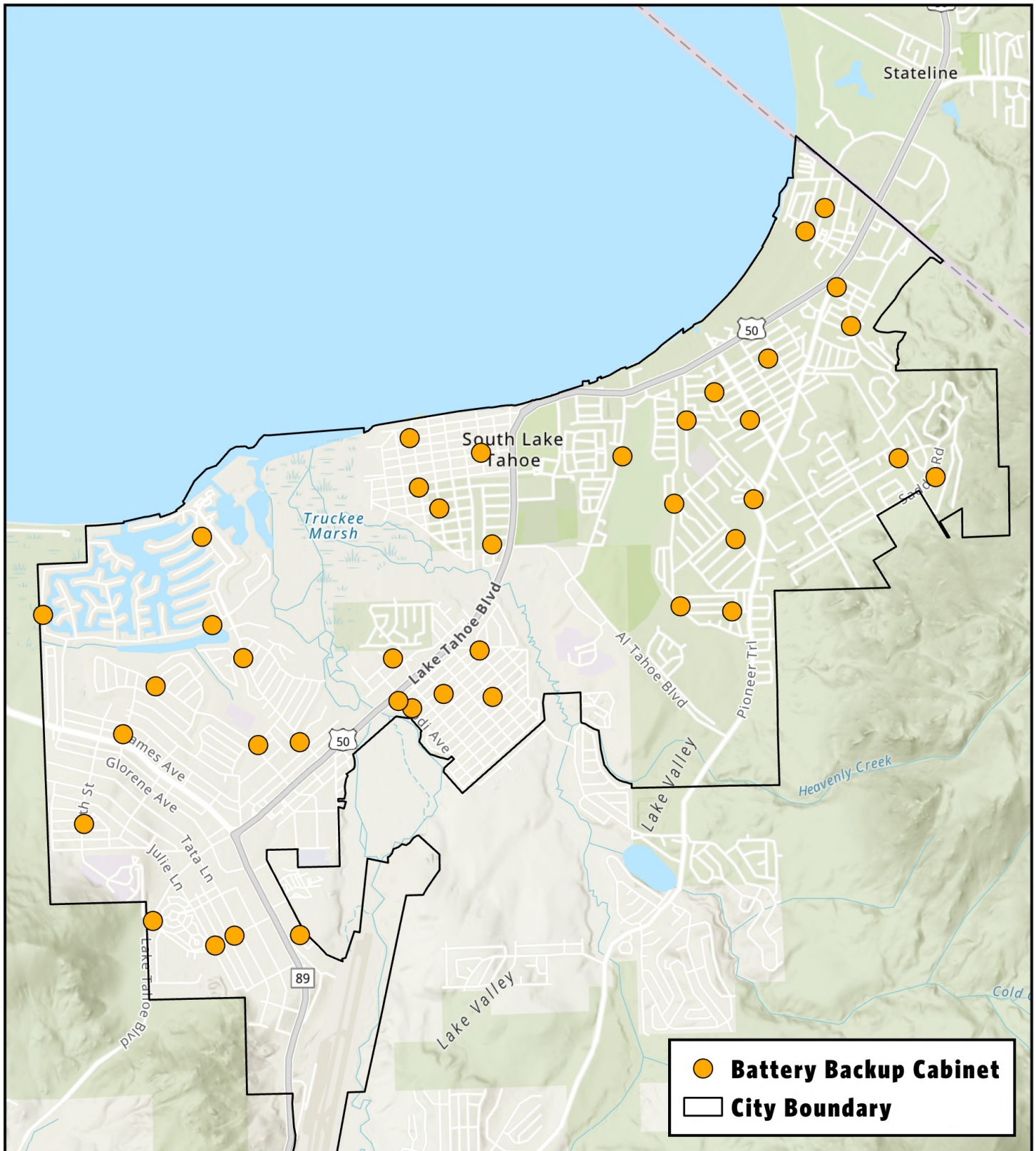
Signature: _____ **Title:** Senior Planner

Date: _____

Signed by Lead Agency

Signed by Applicant

Date received for filing at County of El Dorado: _____



CITY OF
SOUTH LAKE TAHOE

Spectrum Battery Backup Cabinet Locations



1161 Keller Rd.	955 Tulare Ave.	2463 Palmira Ave.	705 Eloise Ave.
3674 Rocky Point Rd.	1065 Sierra Blvd.	2522 Conestoga St.	1395 Keller Rd.
1260 Gilmore Lake Rd.	980 Tahoe Island Dr.	1807 Venice Dr.	3914 Saddle Rd.
2059 E St.	421 Capri Dr	888 Park Ave.	3046 Fresno Ave.
1150 Glenwood Way	814 Sonoma Ave.	1146 Carson Ave.	3421 Janet Dr.
3774 Woodbine Rd.	3632 Tamarack Ave.	1808 13th St.	2674 William Ave.
940 Julie Lane	2224 Venice Dr.	732 Tahoe Island Dr.	1898 D St.
1408 Herbert Ave.	1053 Lodi Ave.	4082 Pine Blvd.	957 Council Rock Dr.
3613 Shirley Ave.	925 Tallac Ave.	1184 Dot St.	3150 Fresno Ave.
1860 D St.	1115 Herbert Ave.	1135 Johnson Blvd.	2247 Texas Ave.

Attachment B: Examples of existing equipment.



INTERIM AD DRAFT

This is the proof of your ad scheduled to run in **Tahoe Daily Tribune** on the dates indicated below. If changes are needed, please contact us prior to deadline at **(530) 541-3880**.

Notice ID: LE8xAqFHEM0AA12ICAHY | **Proof Updated: Apr. 01, 2024 at 01:23pm PDT**
Notice Name: 8CD06 Affected Property Notice 22-067

This is not an invoice. Below is an estimated price, and it is subject to change. You will receive an invoice with the final price upon invoice creation by the publisher.

FILER	FILING FOR
Anna Kashuba akashuba@cityofslt.us (530) 542-7405	Tahoe Daily Tribune

Columns Wide:	2	Ad Class: Legals
Total Column Inches:	15.59	
Number of Lines:	51	

04/05/2024: Other	198.25
Internet Flat Fee Charge	40.00
Affidavit flat charge	10.00

Subtotal	\$248.25
Tax	\$0.00
Processing Fee	\$0.00
Total	\$248.25

See Proof on Next Page

NOTICE OF A PUBLIC HEARING CITY OF SOUTH LAKE TAHOE PLANNING COMMISSION MEETING

NOTICE IS HEREBY GIVEN that in accordance with Sections 65090 and 65091 (Planning and Zoning Law) of the Government Code: the City of South Lake Tahoe Planning Commission will conduct a public hearing on **April 18, 2024, at 3:00 p.m.**, or as soon thereafter as possible, in the City Council Chambers, 1901 Lisa Maloff Way, South Lake Tahoe Airport, to consider the item below. This post is in lieu of mailed notices to individual property owners in accordance with Government Code Section 65091(a)(4), as the number of recipients would exceed 1,000.

Consideration of Special Use Permit for Charter Communications, File #22-067

Summary: Charter Communications (Spectrum) has applied for a special use permit to enhance 40 existing communications facilities in the City of South Lake Tahoe right-of-way. New equipment will consist of emergency backup batteries to maintain service for 72 hours following an outage event. This is required by the California Public Utilities Commission. The address of the nearest parcel to each location is provided below; however, this permit shall apply to all existing transmission and receiving facilities in the public right of way owned and operated by Charter Communications. (Anna Kashuba, akashuba@cityofslt.us)

1161 Keller Rd.	955 Tulare Ave.	2463 Palmira Ave.	705 Eloise Ave.
3674 Rocky Point Rd.	1065 Sierra Blvd.	2522 Conestoga St.	1395 Keller Rd.
1260 Gilmore Lake Rd.	980 Tahoe Island Dr.	1807 Venice Dr.	3914 Saddle Rd.
2059 E St.	421 Capri Dr.	888 Park Ave.	3046 Fresno Ave.
1150 Glenwood Way	814 Sonoma Ave.	1146 Carson Ave.	3421 Janet Dr.
3774 Woodbine Rd.	3632 Tamarack Ave.	1808 13th St.	2674 William Ave.
940 Julie Lane	2224 Venice Dr.	732 Tahoe Island Dr.	1898 D St.
1408 Herbert Ave.	1053 Lodi Ave.	4082 Pine Blvd.	957 Council Rock Dr.
3613 Shirley Ave.	925 Tallac Ave.	1184 Dot St.	3150 Fresno Ave.
1860 D St.	1115 Herbert Ave.	1135 Johnson Blvd.	2247 Texas Ave.

All interested persons are invited to attend and speak on the projects or may write their comments to the City Planning Division. Pursuant to Government Code Section 65009(b)(2), if you challenge the application in court, you may be limited to raising only those items you or someone else raised at the Public Hearing described in this notice, or in written correspondence delivered to the City Planning Division at, or prior to, the Public Hearing. Any written correspondences should be directed to the South Lake Tahoe Planning Commission, 1052 Tata Lane, South Lake Tahoe, CA 96150. Staff reports will be available three days prior to the hearing and can be downloaded from the City of South Lake Tahoe website (<https://www.cityofslt.us/84/Watch-City-CouncilPlanning-Commission-Me>). For any questions, please contact the Planning Division at (530) 542-6010 or the staff planner listed above.

Published: April 5, 2024