

Exhibit B

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From: [Geramaldi, Geramaldi@DOT](mailto:Geramaldi_Geramaldi@DOT)
To: [Honorato, Hya](mailto:Honorato_Hya)
Cc: [O'Connor, Jill@DOT](mailto:O'Connor_Jill@DOT)
Subject: Geramaldi - Request CDP extension, Castro Canyon Bridge Rail, PLN210039
Date: Tuesday, February 18, 2025 7:05:07 AM
Attachments: [image001.png](#)
[CDP Extension PLN210039 Caltrans EA 05-1H490 Castro Canyon 250217.pdf](#)
[05-1H490 CDP Mon Co PLN210039.pdf](#)
Importance: High

[CAUTION: This email originated from outside of the County. Do not click links or open attachments unless you recognize the sender and know the content is safe.]

Morning Hya,

Attached is the Development Project Application for the CDP extension request for PLN210039, Castro Canyon Bridge Rail Upgrade (EA 05-1H490).

No changes in the project's description, impacts, or mitigation since the original CDP (attached) was issued back in 2022, so no updated documents have been prepared for the project.

If any additional information or materials are required to process the CDP extension, please let us know.

Also, is there a general time frame on how long it typically takes to process an extension?

Thank you very much.

Geramaldi (Aldi)

Environmental Scientist – Coastal Coordinator

Caltrans District 5 San Luis Obispo

geramaldi.geramaldi@dot.ca.gov

805-441-0561

Teleworking, 7 AM – 4 PM, Monday – Friday

From: Honorato, Hya <HonoratoH@countyofmonterey.gov>

Sent: Friday, February 14, 2025 1:28 PM

To: Geramaldi, Geramaldi@DOT <Geramaldi.Geramaldi@dot.ca.gov>

Subject: RE: Geramaldi - Inquiry, CDP extension, Castro Canyon Bridge Rail, PLN210039

EXTERNAL EMAIL. Links/attachments may not be safe.

Hi Aldi,

We can definitely process an extension for the project. It will not necessarily be handled by me, I am going to send it through our normal processing channels and the extension will be assigned to a planner. Send me the application and any updated documents and I will forward

to our staff to get the extension processed.

Thank you,



Hya Honorato (*She/Her*)

Assistant Planner

Housing and Community Development

1441 Schilling Place, 2nd Floor, Salinas CA 93901

Direct: (831)755-5173 | F: (831)757-9516

HonoratoH@countyofmonterey.gov

www.countyofmonterey.gov

Please note, I am currently available until 3 pm on Mondays, Wednesdays, and Fridays until further notice. Thank you.

From: Geramaldi, Geramaldi@DOT <Geramaldi.Geramaldi@dot.ca.gov>

Sent: Wednesday, February 12, 2025 10:04 AM

To: Honorato, Hya <HonoratoH@countyofmonterey.gov>

Subject: Geramaldi - Inquiry, CDP extension, Castro Canyon Bridge Rail, PLN210039

[CAUTION: This email originated from outside of the County. Do not click links or open attachments unless you recognize the sender and know the content is safe.]

Morning Hya,

It was brought to my attention that PLN210039 (attached) will expire on March 18, 2025 (end of three years).

I wanted to ask about the feasibility of an extensions for the permit given there is only 4 weeks left.

The project has been on hold due to legal issues; hence it has been inactive for the last three years.

This is the Castro Canyon Bridge Rail Replacement project (05-1H490), located on SR-1 in Big Sur.

I presume if an extension is still feasible, I would need to submit the attached extension form?

Let me know if a phone all would be beneficial for this discussion.

Thank you.

Geramaldi (Aldi)

Environmental Scientist – Coastal Coordinator

Caltrans District 5 San Luis Obispo

geramaldi.geramaldi@dot.ca.gov

805-441-0561

Teleworking, 7 AM – 4 PM, Monday – Friday

COUNTY OF MONTEREY

HOUSING AND COMMUNITY DEVELOPMENT

Planning – Building - Housing
1441 Schilling Place, South 2nd Floor
Salinas, California 93901-4527
(831) 755-5025



Development Project Application

This application is for:

- | | |
|--|---|
| <input type="checkbox"/> Combined Development Permit | <input type="checkbox"/> Tentative Parcel Map [Minor Subdivision] |
| <input type="checkbox"/> Rezoning | <input type="checkbox"/> Tentative Map [Standard Subdivision] |
| <input type="checkbox"/> Administrative Permit [Coastal/Non-Coastal] | <input type="checkbox"/> Vesting Tentative Map |
| <input type="checkbox"/> Use Permit | <input type="checkbox"/> Preliminary Map |
| <input type="checkbox"/> Variance | <input type="checkbox"/> Preliminary Project Review Map |
| <input type="checkbox"/> Design Approval | <input type="checkbox"/> Lot Line Adjustment |
| <input type="checkbox"/> General Development Plan | <input type="checkbox"/> Revised Final Map |
| <input checked="" type="checkbox"/> Coastal Development Permit | <input type="checkbox"/> Revised Parcel Map |
| <input type="checkbox"/> Modification of Conditions | <input type="checkbox"/> Amended Final Map |
| <input type="checkbox"/> Local Coastal Plan Amendment [L.U.P. or C.I.P.] | <input type="checkbox"/> Amended Parcel Map |
| <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Subdivision Extension Request |
| <input type="checkbox"/> Minor Amendment [Coastal/Non-Coastal] | <input type="checkbox"/> Other _____ |

1. **Owner[s] Name:** California Department of Transportation (Caltrans) - District 5, San Luis Obispo c/o Geramaldi
Address: 50 Higuera Street **City:** San Luis Obispo **State:** CA
Telephone: 805-441-0561 **Zip Code:** 93401
2. **Applicant's Name:** California Department of Transportation (Caltrans) - District 5, San Luis Obispo c/o Geramaldi
Address: 50 Higuera Street **City:** San Luis Obispo **State:** CA
Telephone: 805-441-0561 **Zip Code:** 93401
3. **Applicant's interest in property [Owner, Buyer, Representative, etc.]** Owner and Operator
4. **Property address and nearest cross street:** Highway 1 postmile 43.12 and Rancho Grande Road in Big Sur
5. **Assessor's Parcel Number[s]:** 000-000-000 (State Right-of-Way)
6. **Current Zoning:** WSC/40-D(CZ)
7. **Property area [acres or square feet]:** 0.1 acre
8. **Describe the proposed project:** To upgrade existing bridge existing bridge rail on SR-1 at Castro Canyon Bridge in Big Sur to meet current design and safety standards with concrete and metal "see through" bridge rail design with bicycle railing. The project includes re-striping, upgrading two down drains, and retaining wall construction. The project will require temporary and permanent utility relocations.

9. **Rezoning Or Amendment Only** The applicant wishes to amend Section N/A of the Monterey County Code, from a N/A Zoning District to a N/A Zoning District or some other classification.

10. **General Plan Amendment Or Coastal Plan Amendment Only:** Describe the proposed amendment:

N/A

11. **Subdivision Information Only** Number of Lots: N/A
Purpose of Subdivision: Sale: ☐ Lease: ☐ Financing: ☐ Other: _____

12. **Lot Line Adjustment Information Only** What is the purpose of the adjustment: N/A
- Will The Adjustment Relocate The Building Area?** Yes ☐ No ☒
- Adjusted Parcel Size[s]:** N/A
- | | |
|------------------------------------|------------------------------------|
| Owner's Signature | Owner's Signature |
| <u>N/A</u> | <u>N/A</u> |
| Owner's Name [Please Print] | Owner's Name [Please Print] |
| <u>N/A</u> | <u>N/A</u> |
| Assessor's Parcel Number | Assessor's Parcel Number |

13. **Variances Only:** Describe the proposed variance: N/A

14. If new or additional construction is proposed, complete the following information:

A. Residential Development: Single Family Residence ☐ Other [how many total units] N/A

No. of covered parking spaces N/A No. of uncovered parking spaces N/A Lot Coverage N/A %

B. Commercial or Industrial Development: No. of employees [include all shifts] N/A

No. of covered parking spaces N/A No. of uncovered parking spaces N/A

No. of Loading Spaces N/A Lot Coverage N/A %

15. Will grading or filling be required: Yes ☒ No ☐ Cubic Yards 92.6

16. Will the project require placement of structures, roads, grading cuts or fills on slopes of 30% or greater: Yes ☒ No ☐

17. Will any trees be removed: Yes ☐ No ☒ If yes, indicate the number, specie[s] and diameter: _____
No trees will be removed.

Other vegetation to be removed: No vegetation will be removed, but vegetation trimming is anticipated.

18. How will water be supplied: Individual Wells N/A Mutual System N/A

Name of Public or Private Water System: _____

19. How will sewage or other waste be disposed: N/A

Name of Public or Private Sewer System: N/A

20. Is this land currently in row crop production: Yes ☐ No ☒

21. Is this land used for grazing: Yes ☐ No ☒

22. Is this land under an Agricultural Preservation Contract: Yes ☐ No ☐ If yes, indicate the Contract No. _____

23. Is this proposed project located on a hazardous waste facility: Yes ☐ No ☒ [Government Code 65962.5]. [A list of hazardous waste sites is maintained by the Environmental Health Dept., Phone 831-755-4500.]

I/We state that as the owner[s] or agent for owner[s] for the development permit application. I/We have read the complete application and know the contents herein. I/We declare under penalty of perjury that the information contained in this application including the plans and documents submitted herewith are true and correct to the best of my/our knowledge. If the project is approved, I/We understand that we may be charged an additional fee for staff time required to satisfy conditions of approval.

Dated: 02/17/25 at San Luis Obispo, California

I declare under penalty that I am authorized by the owner[s] of the described property to make this application.

Caltrans - District 5, San Luis Obispo c/o Geramaldi

Geramaldi

Owner's Name [Please Print or Type]

Agent's Name [Please Print or Type]

Owner's Signature

Agent's Signature

Some application fees are charged on a deposit basis. Processing hours in excess of the deposit will be billed to the applicant at an hourly rate, prior to issuance of entitlements or permits. Processing hours less than the original fee will be refunded at the same rate after issuance of the entitlements or permits.

For Department Use Only

Plan Designation: _____ Area Plan: _____
Legal Lot: _____ Zoning Violation Case No.: _____
Property Owner Verified: Yes ☐ No ☐ Height: _____ Lot Coverage _____
Setbacks: F _____ R _____ S _____ Special _____ OPL _____
FAR _____ Fire Haz. _____ SRA _____ Flood _____
Advisory Committee: _____
Geo. Hazard Zones: _____ Arch. Sensitivity Zone: _____ ESH: _____
Misc.: _____
Application Given Out By: _____ Date: _____
Application Received By: _____ Date: _____

**Before the Planning Commission
in and for the County of Monterey, State of California**

In the matter of the application of:

**(PLN210039) CALIFORNIA DEPARTMENT OF TRANSPORTATION
RESOLUTION NO. 22 - 004**

Resolution by the Planning Commission:

1. Finding that the project, which involves utility extension and street improvements for bridge safety improvements, qualifies as a Class 3 categorical exemption pursuant to Section 15303 of the CEQA Guidelines, and there are no exceptions pursuant to Section 15300.2; and
2. Approving a Combined Development Permit consisting of:
 - a. Coastal Development Permit and Design Approval to allow safety improvements to the Castro Canyon Bridge, inclusive of restriping of lanes, bridge rail and crash cushion upgrades, placement of a new retaining wall, and drainage upgrades;
 - b. Coastal Development Permit to allow development within the Big Sur Critical Viewshed;
 - c. Coastal Development Permit to allow development on slopes exceeding 30 percent; and
 - d. Coastal Development Permit to allow development within 100 feet of environmentally sensitive habitat.

State Route 1 (Highway 1) Castro Canyon Bridge
(Br. No. 44-0035, Post Mile 43.12, located between
Post-Mile Markers 43.05 – 43.25), Big Sur (No
Assessor's Parcel Number), Big Sur Coast Land
Use Plan, Coastal Zone (APN: 000-000-000-000)

The CALIFORNIA DEPARTMENT OF TRANSPORTATION (CASTRO CANYON BRIDGE) application (PLN210039) came on for a public hearing before the Monterey County Planning Commission on March 9, 2022. Having considered all the written and documentary evidence, the administrative record, the staff report, oral testimony, and other evidence presented, the Planning Commission finds and decides as follows:

FINDINGS

1. **FINDING:** **CONSISTENCY** – The proposed project and/or use, as conditioned, is consistent with the policies of the Monterey County 1982 General Plan, Big Sur Land Use Plan, Monterey County Coastal Implementation Plan – Part 3, Monterey County Zoning Ordinance -

Coastal (Title 20), and other County health, safety, and welfare ordinances related to land use development.

EVIDENCE: a) The project involves upgrades to the Castro Canyon Bridge consisting of replacement and installation of new bridge and approach rails, upgrade of guardrails on the north and south of the bridge, and upgrades to the crash cushions. The project also proposes the restriping of lanes and shoulders, a new retaining wall (Approx. 20 feet long), upgrades to the culvert and pipes for improved drainage, and the relocation of existing above-ground utilities underground. The existing Castro Canyon Bridge is a 239-foot, five-span steel girder bridge that has timber rails and wooden beam approach rails. The existing bridge rails, approach rails, guardrails, and crash cushions do not meet Caltrans safety standards. This proposed guardrail replacement is compliant with current design and safety standards per American Association of State Highway and Transportation Officials (AASHTO) requirements. The bridge's length will remain the same. The total project area includes approximately 25,000 square feet of paved area which will be restriped but remain located in the same area and not be extended. The project also involves development within the Big Sur critical viewshed, development on slopes exceeding 30 percent, and development within 100 feet of environmentally sensitive habitat.

- b) The project has been reviewed for consistency with the text, policies, and regulations in the:
- 1982 Monterey County General Plan;
 - Big Sur Coast Land Use Plan (LUP);
 - Monterey County Coastal Implementation Plan, Part 3 (CIP); and
 - Monterey County Zoning Ordinance - Coastal (Title 20).

No conflicts were found to exist. No communications were received during the course of review of the project indicating any inconsistencies with the text, policies, and/or regulations of the applicable Monterey County Code (MCC). The subject property is located within the Coastal Zone; therefore, the 2010 Monterey County General Plan does not apply.

- c) Staff reviewed the application materials, County GIS information, and aerial imagery, to verify consistency of the proposed development with applicable policies and regulations.
- d) Allowed Use. The project site is located along State Route 1 (Highway 1), Castro Canyon Bridge (Br. No. 44-0035, located between Post-Mile Markers 43.05 – 43.25, Big Sur (No Assessor's Parcel Number), approximately 5 miles south of the Big Sur Community, Big Sur, Big Sur Coast Land Use Plan, Coastal Zone. The proposed construction is located entirely within the Caltrans right-of-way, and the zoning is unclassified. The project area is located adjacent to Assessor's Parcel Number 420-181-015-000, and the surrounding property is zoned Rural Density Residential, 40 acres per unit, with a Design Control Overlay (Coastal Zone) [RDR/40-D (CZ)]. The proposed project will include upgrades which include the replacement of the bridge guardrail, bridge rail, and crash cushions, to bring this section of highway up to current design and safety

standards needed for compliance with standards set forth by the American Association of State Highway and Transportation Officials (AASHTO). The project includes improvements of an existing highway facility and would preserve utility and public access to the Big Sur area. The General Plan and Big Sur Land Use Policy (LUP) promote improvements for public safety and traffic capacity. The LUP promotes improvements for safety and traffic capacity (Policy 4.1.2.1). LUP Policy 4.1.2.1 states that “[I]mprovements to Highway 1 shall be undertaken in order to increase its service capacity and safety, consistent with its retention as a scenic two-lane road.”

Consistent with this policy, the purpose of project improves the safety and maintains the roadway to provide continued use of the highway for access to the Big Sur community as an improvement for safety, recreational, and emergency access. See also subsequent Evidence “e”. Therefore, the project is an allowed land use for this site.

- e) Highway 1. LUP Policies in Chapter 4 are directed at maintaining and enhancing the aesthetic beauty of Highway 1, and to protect its primary function as a recreational route. The LUP also promotes improvements for safety and service capacity (Policies 4.1.2.1). The project, as proposed, is an improvement required to assure the continued use of the highway for recreational and emergency access; therefore, it is consistent with applicable policies.
- f) Design. Pursuant to MCC Chapter 20.44, the surrounding area is designated as a Design Control Zoning District (“D” zoning overlay), which regulates the location, size, configuration, materials, and colors of structures and fences to assure the protection of the public viewshed and neighborhood character. The proposed upgrades to the bridge rails and beams include a simple design that is intended to complement the rustic and rural environment. The proposed colors and materials design consists of a light beige concrete base and dark brown metal rails (approach rail, guardrails, bridge rail), end treatments, and crash cushions as show in the *Visual Simulations* “Exhibit B, Attachment 3.” As proposed, the project assures protection of the public viewshed and visual integrity. See also subsequent Evidence “g” and “h”.
- g) Big Sur Critical Viewshed. The project includes a Coastal Development Permit to allow development within the Big Sur critical viewshed. As demonstrated in Finding 6 and supporting evidence, the project minimizes development within the Critical Viewshed and is consistent with applicable LUP policies and regulations.
- h) Land Use Advisory Committee. The project was referred to the Big Sur Land Use Advisory Committee (LUAC) for review based on the LUAC Procedure guidelines adopted by the Monterey County Board of Supervisors. The proposed project was brought before the LUAC on September 28, 2021 and October 26, 2021. The LUAC had concerns with design, specifically that the railing and concrete post would potentially stand out and detract from the natural setting, and the potential for cushion placement to impact ingress and egress to Deetjen’s Inn parking area. On October 26, 2021 the LUAC voted, 5-0, to support the project with the following recommendations: 1) reduce the speed limit at the bridge and project site area to match the

“commercial corridor”; 2) decrease the length of crash cushions at the end of the bridge to allow vehicles that enter and leave Deetjen’s Inn more room to maneuver and access the bridge, therefore making it more safe; and 3) use of a natural concrete design that blends in the surroundings instead of the faux multi-color stone as initially proposed by applicant. The plans were revised to accommodate the LUAC’s recommendation for a redesigned crash cushion which would be the minimum size allowable to fulfill size allowable for the intended safety function. Prior to the LUAC’s request, Caltrans conducted studies into speed zones in the area and found that a reduction in the speed limit was not warranted. The color scheme of the rails and beams were updated to a design incorporating a light beige concrete base and dark brown rails that better blends in with the rustic and rural environment when compared to the originally proposed multi-tonal rock design scheme (*Exhibit B, Attachment 3* shows the proposed design).

- i) Development on slope exceeding 30%. The project includes a Coastal Development Permit to allow development on slopes that exceed 30%. As demonstrated in Finding 7 and supporting evidence, there is no feasible alternative that would allow development to occur on slopes of less than 30% in this case.
- j) Environmentally Sensitive Habitat. The project site is in an area identified as being within 100 feet of an environmentally sensitive habitat. A biological report- *Natural Environmental Study (NESMI biological report)*, was prepared for the site and submitted to the County for review (see Finding 2, Evidence “c”). The NESMI biological report identified the potential for several environmentally sensitive habitats to occur near the project area and that suitable conditions for California red-legged frog and the Western pond turtle are present. The report found that it is unlikely that any frogs would be found in the actual project footprint; however, there may be the potential for minor direct and indirect impacts to the California red-legged frog and the Western pond turtle because of the existence of suitable habitat nearby. However, the project as proposes includes measures to avoid indirect impacts on nearby habitat. For example, grading, staging areas, and other improvements would be confined within the right-of-way. Additionally, measures contained in the Programmatic Biological Opinion outlined within the NESMI report would apply to the project. Therefore, although environmentally sensitive habitat may occur within close proximity to this project the potential for inadvertent impacts is limited, as further identified in Finding 8.
- i) Public Access. As demonstrated in Finding No. 5 and supporting evidence, the project is consistent with applicable public access policies.
- j) Historical Resources. The project includes changes to the Castro Canyon bridge, which was constructed in 1937. As such, staff required a historical assessment report for the proposed development. *The Historical Resources Evaluation Report*, Prepared by Lindsay Kozub, Principal Architectural Historian (LIB210164)(see Finding 2, Evidence “c”) concluded that the Castro Canyon bridge is not eligible

for listing in the National Register of Historic Places or California Register of Historical Resources as an individual resource, or as a contributor to the Carmel – San Simeon Highway District.

- k) Archeological and Cultural Resources. The project site is in an area identified in County records as having a high archaeological sensitivity. In addition to the *Historic Resources Evaluation Report*, the *Historical Property Survey*, dated September 2019 was conducted by Lindsay Kozub, Principal Architectural Resources Historian, and Alvin Rosa- Figueroa, PQS Co-Principal Investigator for Prehistoric Archaeology (LIB210164). The report included an Archaeological Survey Report and concluded that potential impacts to archaeological resources are not anticipated from the proposed project. There is no evidence that any cultural resources would be disturbed as part of this project, and the potential for inadvertent impacts to cultural resources is limited and will be controlled by application of the County's standard project condition (Condition No. 3) which requires the contractor to stop work if previously unidentified resources are discovered during construction.
- l) The application, plans and supporting materials submitted by the project applicant to Monterey County HCD-Planning for the proposed development found in Project File PLN210039.

2. **FINDING:** **SITE SUITABILITY** – The site is physically suitable for the proposed development and/or use.

- EVIDENCE:**
- a) The project involves rail safety improvements and upgrades to the Castro Canyon bridge, improvements to crash cushions, and a new retaining wall to improve and protect the highway facility at this location.
 - b) The project was reviewed for site suitability by the following departments and agencies: HCD-Planning, CalFire Coastal (Fire Protection District), HCD-Engineering Services, and HCD-Environmental Services. County staff reviewed the application materials and plans, as well as the County's GIS database, to verify that the proposed project on the subject site conforms to the applicable plans and regulations, and that the site is suitable for the proposed development. There has been no indication from these departments/agencies that the site is not suitable for the proposed development. Conditions recommended have been incorporated.
 - c) Several technical reports have been prepared for the proposed project and include the following:
 - Geotechnical Report (LIB210163), Prepared by Caroline Chen, West Geotechnical Services, March 21, 2021.
 - Cultural Resources Reports: Historical Property Survey and Historic Resources Evaluation Report (LIB210164), prepared by Lindsay Kozub, Principal Architectural Resources Historian, Caltrans Central Coast Cultural Resources Branch, San Luis Obispo, California and also Alvin Rosa- Figueroa, PQS Co-Principal Investigator for Prehistoric Archaeology, dated September 2019;
 - Biology Report: Natural Environment Study, (LIB210162) prepared by Stephanie Herbert, Associate Environmental Planner,

Caltrans District 5, San Luis Obispo, California, December 12, 2019 and;

- Visual Impact Assessment (LIB210200) prepared by Robert Carr, Caltrans District 5 Landscape Architecture Branch, San Luis Obispo, California, January 2020.
- d) County staff independently reviewed these reports and concurs with their conclusions. There are no physical or environmental constraints that would indicate that the site is not suitable for the use proposed, and all development shall be in accordance with these reports.
- e) Staff reviewed application materials, County GIS information, and aerial imagery, to verify site suitability for the proposed development.
- f) The application, plans and supporting materials submitted by the project applicant to Monterey County HCD-Planning for the proposed development found in Project File PLN210039.

3. **FINDING:** **HEALTH AND SAFETY** – The establishment, maintenance, or operation of the project applied for will not under the circumstances of this particular case be detrimental to the health, safety, peace, morals, comfort, and general welfare of persons residing or working in the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the County.

- EVIDENCE:**
- a) The project was reviewed by HCD-Planning, CalFire Coastal (Fire Protection District), HCD-Engineering Services, and HCD-Environmental Services. Conditions have been recommended, where appropriate, to ensure that the project will not have an adverse effect on the health, safety, and welfare of persons either residing or working in the neighborhood.
 - b) The project will bring bridge rail design standards up to current safety guidelines to reduce vehicle crash impacts. The project is necessary to maintain service essential to the public health, safety, and welfare of persons either residing or working in the Big Sur community.
 - c) As proposed, the project is a safety improvement that would stabilize the highway facility at this location. Therefore, it is consistent with LUP Policy 4.1.2.1, which states “Improvements to Highway 1 shall be undertaken in order to increase its service capacity and safety, consistent with its retention as a scenic two-lane road.”
 - d) See also Finding Nos. 1, 2, 3, 6 and 7, and supporting evidence.
 - e) The application, plans, and supporting materials submitted by the project applicant to Monterey County HCD-Planning for the proposed development found in Project File PLN210039.

4. **FINDING:** **NO VIOLATIONS** – The subject property is in compliance with all rules and regulations pertaining to zoning uses, subdivision, and any other applicable provisions of the County’s zoning ordinance. No violations exist on the property.

- EVIDENCE:**
- a) Staff reviewed Monterey County HCD-Planning and HCD-Building Services records and is not aware of any violations existing on the subject property.
 - b) There are no violations on the subject parcel or project site.

- c) The application, plans and supporting materials submitted by the project applicant to Monterey County HCD-Planning for the proposed development found in Project File PLN210039.

5. **FINDING:** **PUBLIC ACCESS** – The project is in conformance with the public access and recreation policies of the Coastal Act (specifically Chapter 3 of the Coastal Act of 1976, commencing with Section 30200 of the Public Resources Code) and applicable Local Coastal Program, and does not interfere with any form of historic public use or trust rights.

- EVIDENCE:**
- a) No substantial adverse impact on access, either individually or cumulatively, as described in Section 20.145.150 of the Monterey County Coastal Implementation Plan (Part 3) can be demonstrated.
 - b) No evidence or documentation has been submitted or found showing the existence of historic public use or trust rights over this property.
 - c) The subject property is described as an area where the Local Coastal Program requires public access (LUP Figure 3; Trails Plan – North Section). Public access presently exists along the State Route 1 right-of-way (a public highway), and the proposed development would not obstruct this lateral access along the highway facility. Additionally, as proposed, the project would not obstruct public views of the shoreline from the highway nor obstruct public visual access.
 - d) The project planner reviewed plans of the proposed development, as well as aerial imagery of the site and surrounding area, to verify that the proposed structures will not impact visual resources/access.
 - e) The application, plans and supporting materials submitted by the project applicant to Monterey County HCD-Planning for the proposed development found in Project File PLN210039.

6. **FINDING:** **DEVELOPMENT WITHIN THE BIG SUR CRITICAL VIEWSHED** – The subject project minimizes development within the Big Sur Critical Viewshed in accordance with the applicable goals and policies of the Big Sur Coast Land Use Plan and applicable zoning codes.

- EVIDENCE:**
- a) The project includes application for development within the Big Sur Critical Viewshed. In accordance with the applicable policies of the Big Sur Coast Land Use Plan (LUP) and the Monterey County Zoning Ordinance (Title 20), a Coastal Development Permit is required and the authority to grant said permit has been met.
 - b) The proposed project involves restriping, replacement and installation of new bridge and approach rails, upgrading guardrails on the north and south of the bridge, and installation of crash cushions. The proposed guardrail replacement is compliant with current design and safety standards per American Association of State Highway and Transportation Officials (AASHTO) requirements. The proposed replacement bridge rail will be concrete post and beam rail (Type 85 bridge rail) and “see through” metal that is taller and wider than the existing rail.
 - c) County staff reviewed plans of the proposed development, as well as aerial imagery of the site and the surrounding area, to assess the potential viewshed impacts of the project and ensure consistency with applicable LUP policies. LUP Policy 3.2.5.C.1 allows exceptions to

the Scenic Resources Key Policy involving safety improvements to Highway 1 facilities, provided they are consistent with LUP Sections 4.1.1, 4.1.2., and 4.1.3. Key Policy 4.1.1 states that the County's objective is to maintain and enhance the highway's aesthetic beauty and to protect its primary function as a recreational route. General Policy 4.1.2.1 directs that improvements to Highway 1 shall be undertaken in order to increase its service capacity and safety, consistent with its retention as a scenic two-lane road. County staff has reviewed the required sections, and the project is consistent with the subject policies. The project is an improvement that is needed to comply with current bridge rail safety standards that, as proposed, will maintain the roadway and its continued use as a two-lane highway for access to the Big Sur community.

- d) County staff reviewed and analyzed using independent judgement the *Visual Impact Assessment* (LIB210200), and the project visual simulations and found that the project will not have a significant effect on the views of the surround on the views of the surround scenic vista and landscape. Castro Canyon bridge is located in an area with dense vegetation and much of the visual context includes the redwood trees surrounding the bridge and highway. Also, the historic Deetjens's Inn is located adjacent to the bridge and includes rustic wood cabin style architecture. The bridge upgrade project would replace the existing white wooden post bridge rail with an aesthetically treated, open-style rails. The improvements include light tan concrete rail with dark brown metal approach rails, guardrails, end treatments, and crash cushions (refer to Attachment 3). The purpose of the design is to be simple with the intention of blending in with the rural background including the natural settings and rustic settings.
- e) The project, as proposed and conditioned, is consistent with policies of the Big Sur Coast Land Use Plan dealing with visual resources and will have no significant impact on the critical viewshed.
- f) The application, plans and supporting materials submitted by the project applicant to the Monterey County Planning Department for the proposed development are found in Project File PLN210039.

7. **FINDING:** **DEVELOPMENT ON SLOPES EXCEEDING 30 PERCENT –**
There is no feasible alternative which would allow development to occur on slopes of less than 30 percent.

- EVIDENCE:**
- a) Pursuant to the policies of the 1982 General Plan, Big Sur Coast Land Use Plan (LUP) and applicable Monterey County Code (MCC), a Coastal Development Permit is required for development on slopes in excess of 30% and the criteria to grant said permit has been met in this case.
 - b) The project site is located over the Castro Canyon Bridge on State Route 1. Based on site topography, improvements to the bridge, and drainage inlet areas, and the construction of an additional retaining wall is not feasible without encroaching into slopes exceeding 30 percent. The proposed development is necessary to improve traffic safety at the highway facility by improving crash cushions and installing bridge rails that will be higher and able to withstand more impact upon collision.

- c) As proposed, the subject project minimizes development on slopes exceeding 30 percent in accordance with the applicable goals and policies of the LUP. The project planner reviewed the plans and application materials to analyze possible development alternatives and to verify the subject project minimizes development on slopes exceeding 30 percent. Also, the project proposes to further stabilize the bridge and immediate area as the purpose of the retaining wall proposed to be constructed east of the southern bridge abutment will prevent upslope debris from entering and resting on the bridge structure. Rockslope protection will be added to the existing outlet of the southwest drain which will also improve drainage. This is the minimum necessary to provide adequate and safe site when traveling this section of road.
- d) The application, project plans, and related support materials submitted by the project applicant to Monterey County HCD-Planning for the proposed development found in Project File PLN210039.

8. **FINDING: DEVELOPMENT WITHIN 100 FEET OF ENVIRONMENTALLY SENSITIVE HABITAT-**

- EVIDENCE:**
- a) The project site is in an area identified as being within 100 feet of an environmentally sensitive habitat. MCC Section 20.145.040 requires a biological survey for development in areas within Big Sur that are within 100 feet of environmentally sensitive habitat.
 - b) The following biological report was prepared for the proposed project and was submitted to the County for review:
 - Biology Report: Natural Environment Study, (LIB210162) prepared by Stephanie Herbert, Associate Environmental Planner, Caltrans District 5, San Luis Obispo, California, December 12, 2019.
 - c) The NESMI biological report identified the potential for several environmentally sensitive habitats to occur near the project area and that suitable conditions for California red-legged frog and the Western pond turtle are present. The report found that it is unlikely that any frogs would be found in the actual project footprint; however, there may be the potential for minor direct and indirect impacts to the California red-legged frog and the Western pond turtle because of the existence of suitable habitat nearby.
 - d) Monterey County Code (MCC) Section 20.145.040, which includes the Environmentally Sensitive Habitat Development Standards in the Big Sur, requires that all practical efforts shall be made to maintain, restore, and if possible, enhance Big Sur's environmentally sensitive habitats.

The project as proposes measures to avoid indirect impacts on nearby habitat. As proposed, grading, staging areas, and other improvements would be confined within the right-of-way. Also, in order to ensure the area of disturbance is confined, the biological report recommends installation of protective fencing, re-seeding disturbed ground with native seed mix, and stockpiling and replacement of any woody debris found onsite. Erosion control measures and other best management practices would be in place during construction to avoid

indirect impacts on nearby habitat. Caltrans also anticipates that the proposed project would be covered under the Programmatic Biological Opinion for Projects Funded or Approved under the FHWA's Federal Aid Program for incidental take. As such, measures contained in the Programmatic Biological Opinion would apply to the project. A condition of approval has been incorporated which requires the applicant to file a Notice of Report stating that all development shall be done in accordance with the NESMI biological report. Therefore, although an environmentally sensitive habitat may occur within close proximity to this project the potential for inadvertent impacts is limited.

- e) County staff independently reviewed these reports and concurs with their conclusions.
- f) The application, plans and supporting materials submitted by the project applicant to Monterey County HCD-Planning for the proposed development found in Project File PLN210039.

9. **FINDING:** **CEQA (Exempt)** – The project is categorically exempt from environmental review and no unusual circumstances were identified to exist for the proposed project.

- EVIDENCE:**
- a) California Environmental Quality Act (CEQA) Guidelines Section 15303 categorically utility and street improvements. The exemption applies to water main, sewage, electrical, gas, and other utility extensions including street improvements, or reasonable length to serve such construction.
 - b) The proposed project involves the utility and street improvements for bridge safety improvements, which qualifies as a Class 3 categorical exemption pursuant to Section 15303 of the CEQA Guidelines. This project includes the underground placement of utilities, the construction of retaining wall to protect from slope movement, and street improvements consisting of the bridge safety. The proposed project involves safety improvements that would upgrade and protect the users of this highway facility and help prevent future car collisions at this location. Therefore, the proposed development qualifies as a Class 3 categorical exemption pursuant to Section 15303(d) of the CEQA Guidelines.
 - c) Caltrans, as Lead Agency, applied the Class 3 categorical exemption to the project. The County, serving as a responsible agency for this project, in its independent judgment has also determined that the project is categorically exempt. The Caltrans CEQA Determination is attached as Exhibit C to the staff report.
 - d) None of the exceptions under CEQA Guidelines Section 15300.2 apply to this project. Also, there is no substantial evidence of an unusual circumstance because there is no feature or condition of the project that distinguishes the project from the exempt class. The project does not involve a hazardous waste site, unusual circumstances that would result in a significant effect or development that would result in a cumulative significant impact. The project site is located within view of a scenic highway (State Route 1); however, the development proposed is consistent with the existing development on the site and in the area, and will not result in an adverse impact to

visual resources (see also Finding No. 6 and supporting evidence). Additionally, as proposed, the development would not result in damage to scenic resources such as trees, historic buildings, rock outcroppings, or similar resources as described in CEQA Guidelines Section 15300.2.

- e) Based on the record as a whole, there is no substantial evidence that would support a fair argument that the project has a reasonable possibility of having a significant effect on the environment or that it would result in a cumulative significant impact. The evidence in the record includes data and analysis supporting the Class 1 categorical exemption; information presented or discussed during public meetings and/or hearings; staff reports that reflect the County's independent judgment and analysis regarding the above referenced data and analysis, and project application materials.
- f) No adverse environmental effects were identified during staff review of the development application.
- g) The Planning Commission considered the Class 3 categorical exemption at a duly noticed public hearing. The materials upon which the County's decision is based are located in HCD-Planning, 1441 Schilling Place, 2nd Floor, Salinas, California.
- h) The application, project plans, and related support materials submitted by the project applicant to Monterey County HCD-Planning for the proposed development found in Project File PLN210039.

10. **FINDING:** **APPEALABILITY** – The decision on this project may be appealed to the Board of Supervisors and the California Coastal Commission.

- EVIDENCE:**
- a) Board of Supervisors. Pursuant to Section 20.86.030 of the Monterey County Zoning Ordinance (Title 20), an appeal may be made to the Board of Supervisors by any public agency or person aggrieved by a decision of an Appropriate Authority other than the Board of Supervisors.
 - b) Coastal Commission. Pursuant to Section 20.86.080.A of the Monterey County Zoning Ordinance (Title 20), the project is subject to appeal by/to the California Coastal Commission because it involves development between the sea and the first through public road paralleling the sea (State Route 1), and development that is permitted in the underlying zone as a conditional use (i.e., development within the Big Sur critical viewshed).

DECISION

NOW, THEREFORE, based on the above findings and evidence, the Planning Commission does hereby:

1. Find that the project qualifies as a Class 3 Categorical Exemption pursuant to Section 15303 of the CEQA Guidelines, and there are no exceptions pursuant to Section 15300.2; and
2. Approve a Combined Development Permit consisting of a:
 - a. Coastal Development Permit and Design Approval to allow safety improvements to the Castro Canyon Bridge, inclusive of restriping of lanes, bridge rail and crash cushion upgrades, placement of a new retaining wall, and drainage upgrades;
 - b. Coastal Development Permit to allow development within the Big Sur Critical Viewshed;

- c. Coastal Development Permit to allow development on slopes exceeding 30 percent; and
- d. Coastal Development Permit to allow development within 100 feet of environmentally sensitive habitat.

All development shall be in general conformance with the attached plans and subject to the attached conditions, all being attached hereto and incorporated herein by reference.

PASSED AND ADOPTED this 9th day of March 2022.

AYES: Getzelman, Diehl, Roberts, Gonzalez, Ambriz, Monsalve, Coffelt, Daniels, Mendoza
NOES: None
ABSENT: None
ABSTAIN: None

Craig Spencer

Craig Spencer, Planning Commission Secretary

COPY OF THIS DECISION MAILED TO APPLICANT ON MAR 18 2022.

THIS APPLICATION IS APPEALABLE TO THE BOARD OF SUPERVISORS. IF ANYONE WISHES TO APPEAL THIS DECISION, AN APPEAL FORM MUST BE COMPLETED AND SUBMITTED TO THE CLERK TO THE BOARD ALONG WITH THE APPROPRIATE FILING FEE ON OR BEFORE MAR 28 2022.

THIS PROJECT IS LOCATED IN THE COASTAL ZONE AND IS APPEALABLE TO THE COASTAL COMMISSION. UPON RECEIPT OF NOTIFICATION OF THE FINAL LOCAL ACTION NOTICE (FLAN) STATING THE DECISION BY THE FINAL DECISION MAKING BODY, THE COMMISSION ESTABLISHES A 10 WORKING DAY APPEAL PERIOD. AN APPEAL FORM MUST BE FILED WITH THE COASTAL COMMISSION. FOR FURTHER INFORMATION, CONTACT THE COASTAL COMMISSION AT (831) 427-4863 OR AT 725 FRONT STREET, SUITE 300, SANTA CRUZ, CA.

This decision, if this is the final administrative decision, is subject to judicial review pursuant to California Code of Civil Procedure Sections 1094.5 and 1094.6. Any Petition for Writ of Mandate must be filed with the Court no later than the 90th day following the date on which this decision becomes final.

NOTES

1. This permit expires 3 years after the above date of granting thereof unless construction or use is started within this period.

Monterey County RMA Planning

Conditions of Approval/Implementation Plan/Mitigation Monitoring and Reporting Plan

PLN210039

1. PD001 - SPECIFIC USES ONLY

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: This Combined Development Permit (PLN210039) allows for: 1) a Coastal Development Permit and Design Approval to allow safety improvements to the Castro Canyon Bridge, inclusive of restriping of lanes, bridge rail and crash cushion upgrades, placement of a new retaining wall, and drainage upgrades; 2) a Coastal Development Permit to allow development within the Big Sur Critical Viewshed; 3) Coastal Development Permit to allow development on slopes exceeding 30 percent; and 4) Coastal Development Permit to allow development within 100 feet of environmentally sensitive habitat.

The property is located at State Route 1 (Highway 1), Post Mile 43.12, Castro Canyon Bridge (Br. No. 44-0035, between Post-Mile Markers 43.05 – 43.25), Big Sur, (Assessor's Parcel Number 000-000-000-000), Big Sur Coast Land Use Plan. This permit was approved in accordance with County ordinances and land use regulations subject to the terms and conditions described in the project file. Neither the uses nor the construction allowed by this permit shall commence unless and until all of the conditions of this permit are met to the satisfaction of the Director of HCD - Planning. Any use or construction not in substantial conformance with the terms and conditions of this permit is a violation of County regulations and may result in modification or revocation of this permit and subsequent legal action. No use or construction other than that specified by this permit is allowed unless additional permits are approved by the appropriate authorities. To the extent that the County has delegated any condition compliance or mitigation monitoring to the Monterey County Water Resources Agency, the Water Resources Agency shall provide all information requested by the County and the County shall bear ultimate responsibility to ensure that conditions and mitigation measures are properly fulfilled. (HCD - Planning)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall adhere to conditions and uses specified in the permit on an ongoing basis unless otherwise stated.

2. PD002 - NOTICE PERMIT APPROVAL

Responsible Department: RMA-Planning

Condition/Mitigation The applicant shall record a Permit Approval Notice. This notice shall state:

Monitoring Measure:

"A Combined Development Permit (Resolution Number 22-004) was approved by the Planning Commission for Assessor's Parcel Number 000-000-000-000, Castro Canyon Bridge (Br. No. 44-0035, Post Mile 43.12, located between Post-Mile Markers 43.05 – 43.25), on March 9, 2022. The permit was granted subject to four(4) conditions of approval which run with the land. A copy of the permit is on file with Monterey County HCD - Planning."

Proof of recordation of this notice shall be furnished to the Director of HCD - Planning prior to issuance of grading and building permits, Certificates of Compliance, or commencement of use, whichever occurs first and as applicable. (HCD - Planning)

**Compliance or
Monitoring
Action to be
Performed:**

Prior to the issuance of grading and building permits, certificates of compliance, or commencement of use, whichever occurs first and as applicable, the Owner/Applicant shall provide proof of recordation of this notice to the HCD - Planning.

3. PD003(A) - CULTURAL RESOURCES NEGATIVE ARCHAEOLOGICAL REPORT

Responsible Department: RMA-Planning

**Condition/Mitigation
Monitoring Measure:**

If, during the course of construction, cultural, archaeological, historical or paleontological resources are uncovered at the site (surface or subsurface resources) work shall be halted immediately within 50 meters (165 feet) of the find until a qualified professional archaeologist can evaluate it. Monterey County HCD - Planning and a qualified archaeologist (i.e., an archaeologist registered with the Register of Professional Archaeologists) shall be immediately contacted by the responsible individual present on-site. When contacted, the project planner and the archaeologist shall immediately visit the site to determine the extent of the resources and to develop proper mitigation measures required for recovery. (HCD - Planning)

**Compliance or
Monitoring
Action to be
Performed:**

The Owner/Applicant shall adhere to this condition on an on-going basis.

Prior to the issuance of grading or building permits and/or prior to the recordation of the final/parcel map, whichever occurs first, the Owner/Applicant shall include requirements of this condition as a note on all grading and building plans. The note shall state "Stop work within 50 meters (165 feet) of uncovered resource and contact Monterey County HCD - Planning and a qualified archaeologist immediately if cultural, archaeological, historical or paleontological resources are uncovered."

When contacted, the project planner and the archaeologist shall immediately visit the site to determine the extent of the resources and to develop proper mitigation measures required for the discovery.

4. BIOLOGICAL REPORT-NOTICE OF REPORT

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: The applicant shall file a Notice of Report stating that all development shall be done in accordance with the Natural Environment Study (LIB210162) biological report that was conducted on December 12, 2019, prior to the issuance of grading and/or building permits

Compliance or Monitoring Action to be Performed: Prior to the issuance of grading and/or building permits, the Applicant shall submit, to HCD-Planning, a Notice of Report stating that all development shall be done in accordance with the Natural Environment Study (LIB210162).

✕

✕

✕

✕

✕

LOCATION OF CONSTRUCTION
CASTRO CANYON BRIDGE
Br No. 44-0035 PM 43.12

NO SCALE

OLD ROUTE 1
(USED AS PARKING SPACE
BY DEETJEN'S BIG SUR INN)

PROJECT ENGINEER D
REGISTERED CIVIL ENGINEER

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PROJECT ID	0516000081
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RELATIVE BORDER SCALE 0 1 2
IS IN INCHES

UNIT 1468	PROJECT NUMBER & PHASE	05160000810
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ET
Caltrans

LOCATION MAP



DATE PLOTTED => 11/12/2021
TIME PLOTTED => 10:54:20 AM

LAST REVISION
11-12-21

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. DEETJEN'S INN HISTORIC PROPERTY TO BE AVOIDED DURING CONSTRUCTION.

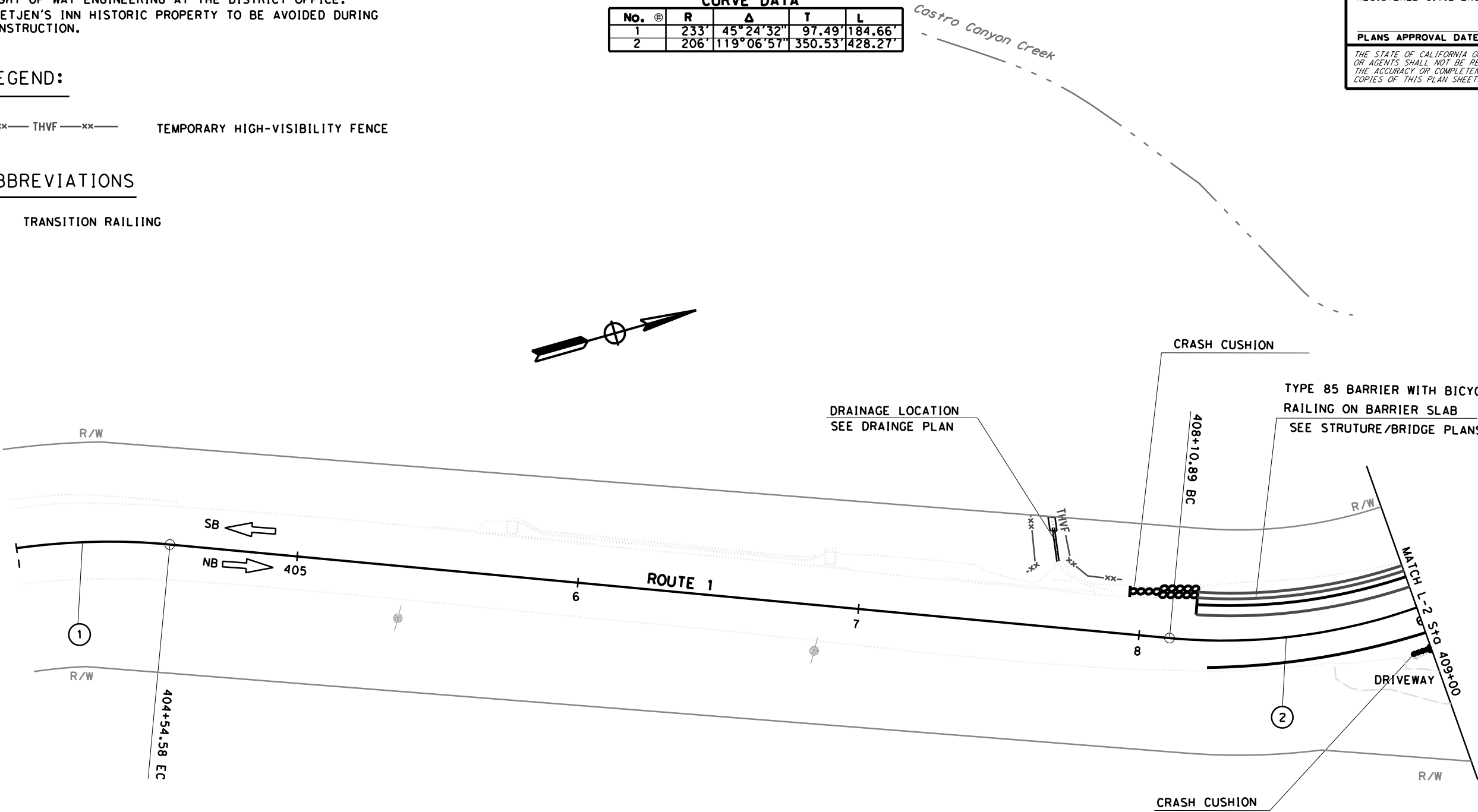
LEGEND:

--xx--xx-- THVF --xx-- TEMPORARY HIGH-VISIBILITY FENCE

ABBREVIATIONS

TR TRANSITION RAILIING

CURVE DATA					
No.	±	R	Δ	T	L
1		233'	45°24'32"	97.49'	184.66'
2		206'	119°06'57"	350.53'	428.27'



LAYOUT PLAN
NO SCALE L-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12		

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

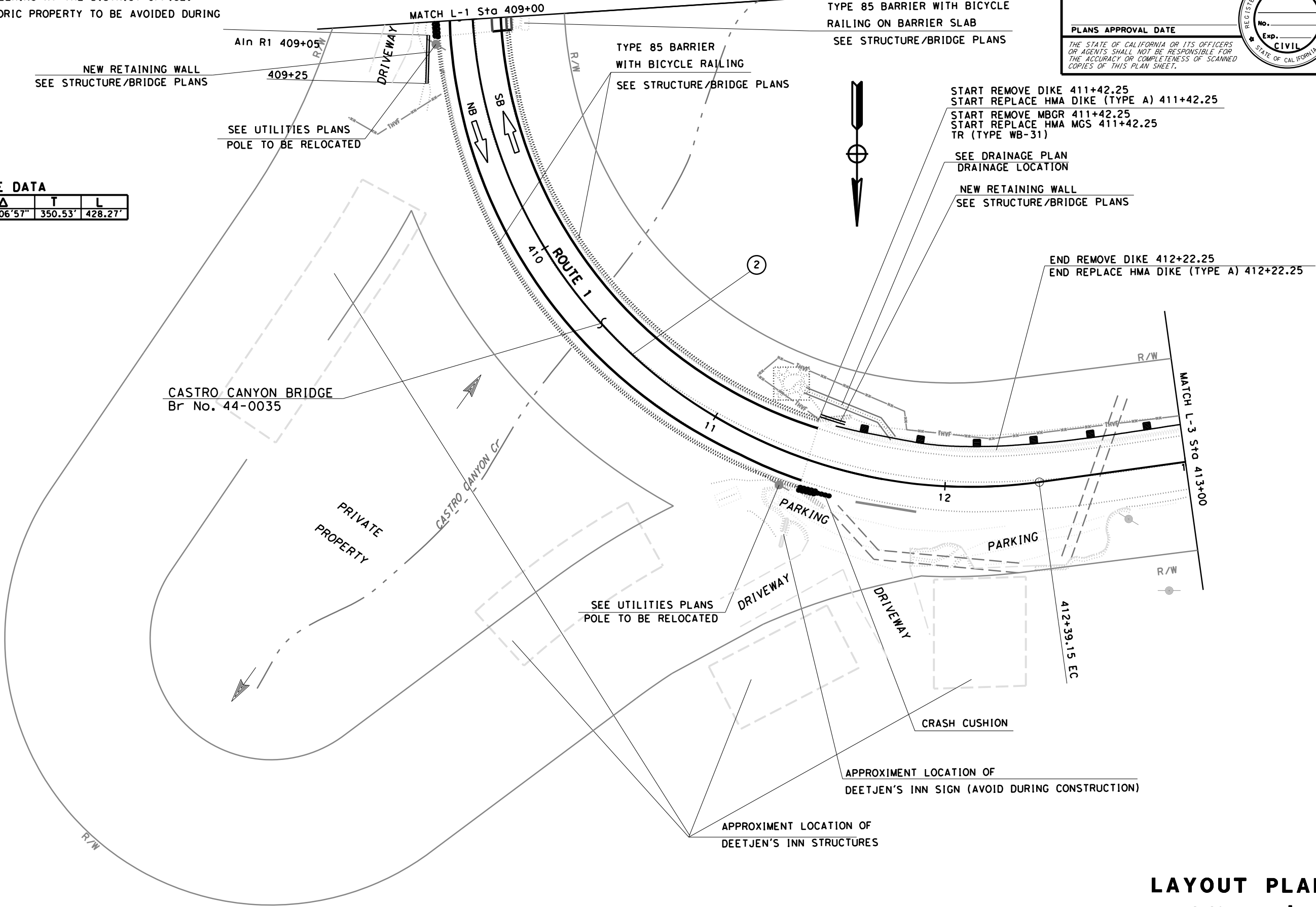
CIVIL

STATE OF CALIFORNIA

NOTE:

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2. DEETJEN'S INN HISTORIC PROPERTY TO BE AVOIDED DURING CONSTRUCTION.

CURVE DATA				
No.	R	Δ	T	L
2	206'	119°06'57"	350.53'	428.27'



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12		

REGISTERED CIVIL ENGINEER

DATE

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No.

Exp.

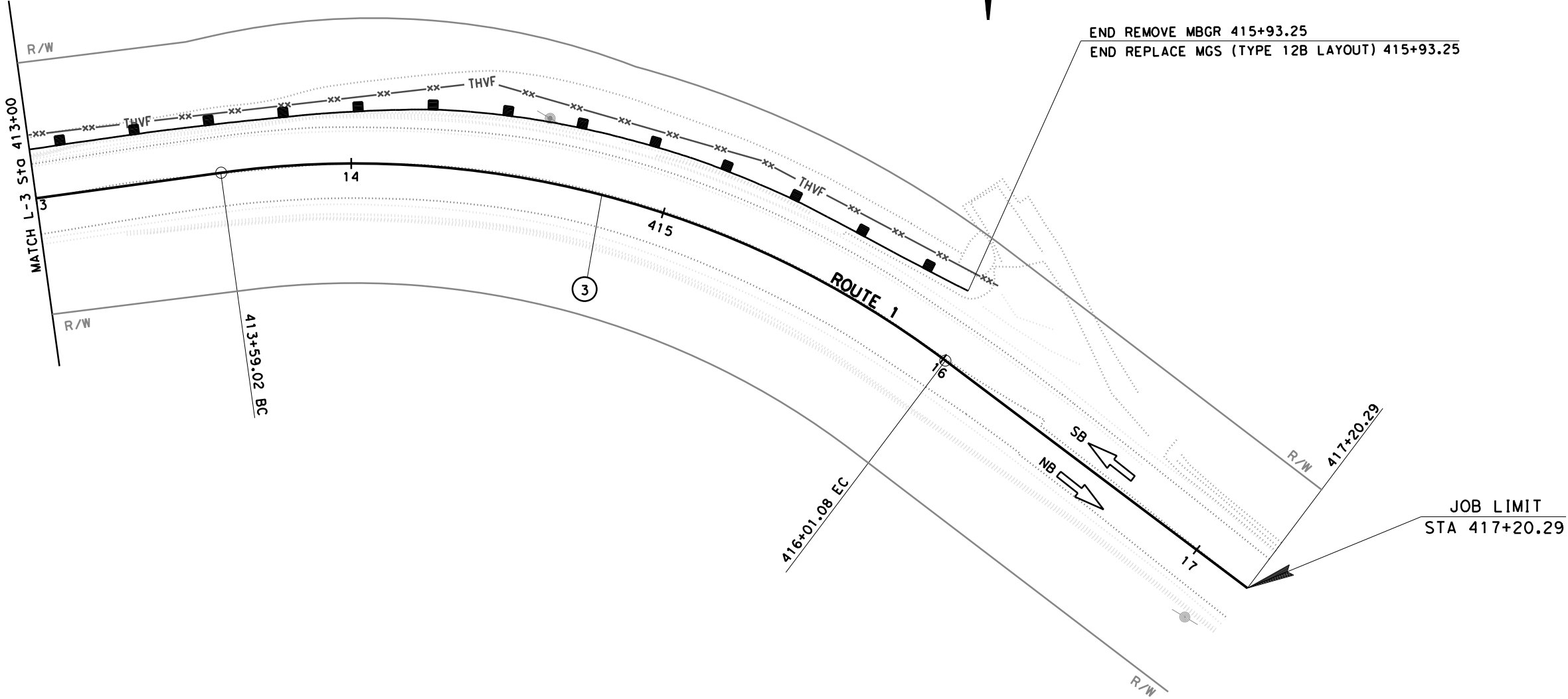
CIVIL

STATE OF CALIFORNIA

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. DEETJEN'S INN HISTORIC PROPERTY TO BE AVOIDED DURING CONSTRUCTION.

CURVE DATA					
No.	⊕	R	Δ	T	L
3		309'	44°53'05"	127.63'	242.07'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12		

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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No.

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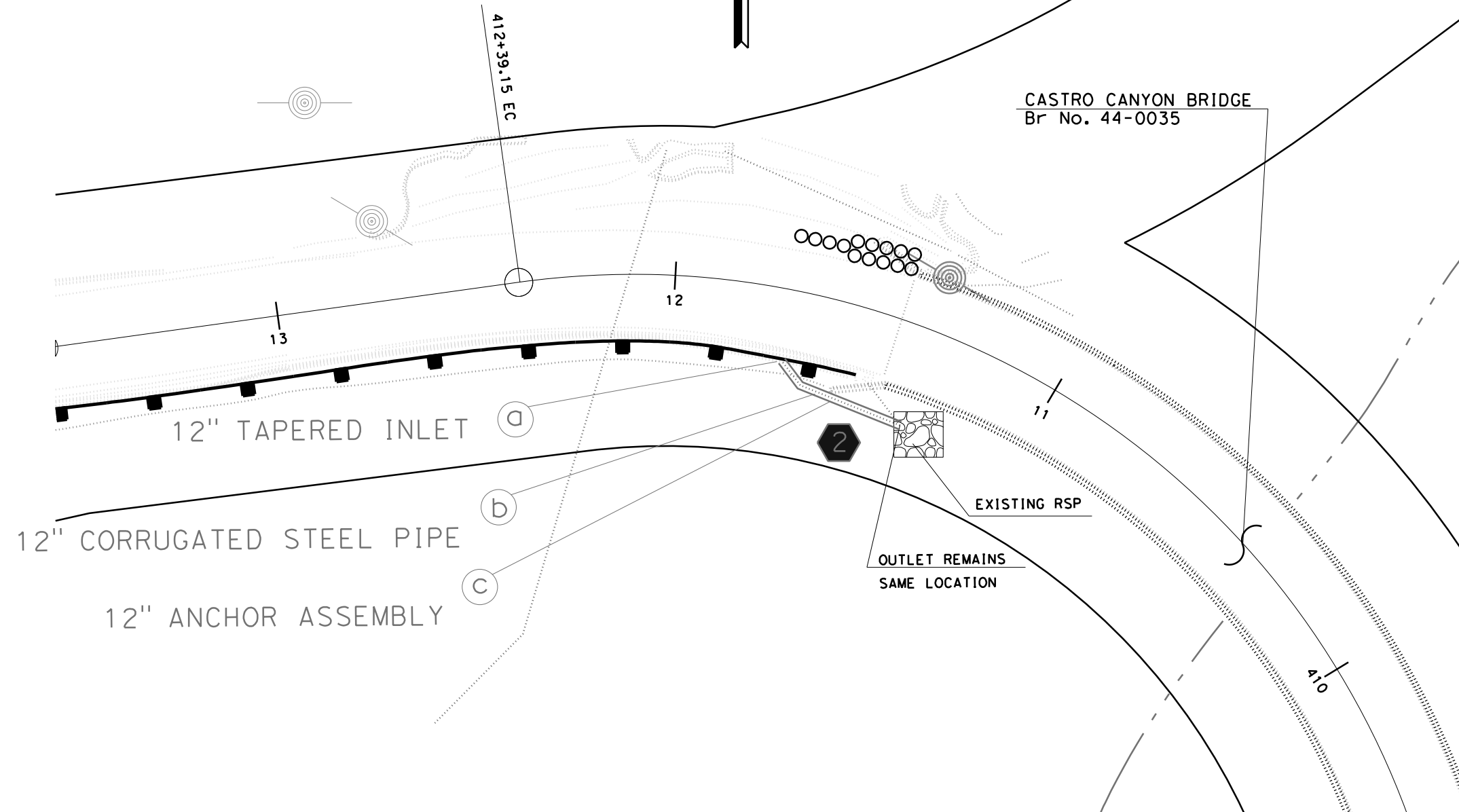
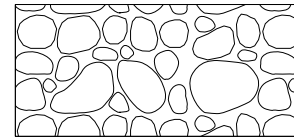
STATE OF CALIFORNIA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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No. _____
Exp. _____
CIVIL
STATE OF CALIFORNIA



DRAINAGE PLAN

SCALE 1"=50' DP-2

[illegible]

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
No.

TOTAL
SHEETS

05

SCR

1

43.1

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER



No.

Exp.

CIVIL

STATE OF CALIFORNIA

DRAINAGE QUANTITIES

DRAINAGE SYSTEM No. 	DRAINAGE UNIT 	12" ENTRANCE TAPER		12" ANCHOR ASSEMBLY	12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	RSP (LIGHT, METHOD B)	RSP FABRIC (CLASS 8)	ROCK STAIN	MAXIMUM COVER (N)	PLACE HMA (MISC AREA) *	HMA (TYPE A) *	DESCRIPTION	LOCATION
		EA	EA	LF	CY	SOYD	SOFT	LF	SOYD	TONN			
1	a	1							2.16	0.3		12" ENTRANCE TAPER	407+69.22, 22.49' Lt
1	b			8				0.5				12" CORRUGATED STEEL PIPE DOWNDRAIN	407+68.75/407+69.22, Var Lt
1	c		2									12" ANCHOR ASSEMBLY	407+68.75/407+69.22, Var Lt
1	d				1	5	24					RSP (LIGHT, METHOD B) AND RSP FABRIC (CLASS 8)	407+65.32/407+66.87, Var Lt
2	a	1							2.16	0.3		12" ENTRANCE TAPER	411+75.12, 17.33' Lt
2	b			43				0.5				12" CORRUGATED STEEL PIPE DOWNDRAIN	411+73.94/411+30.06, Var Lt
2	c		8									12" ANCHOR ASSEMBLY	411+73.94/411+75.12, Var Lt
TOTAL		2	10	51	1	5	24		4.32	0.6			

(N) = NOT A SEPARATED PAY ITEM, FOR INFORMATION ONLY
* QUANTITY INCLUDED IN ROADWAY QUANTITIES TABLE.

DRAINAGE QUANTITIES

DQ-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12		

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA

LEGEND:

- tc---

{oh}

TELECOMM (OH) - AT&T (OLD PACIFIC TELEPHONE & TELEGRAPH)
- e---

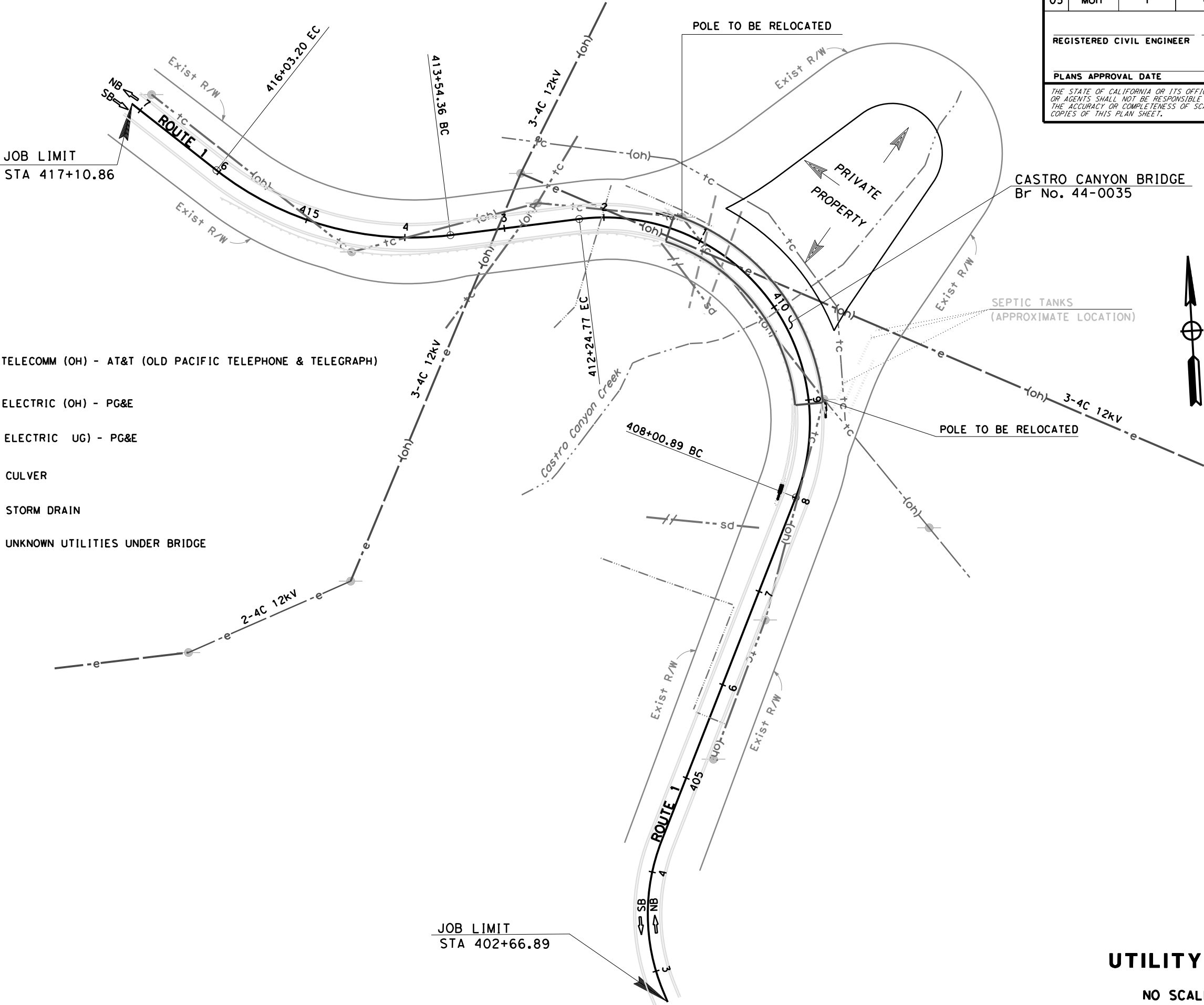
{oh}

ELECTRIC (OH) - PG&E
- e---

-e-

ELECTRIC UG) - PG&E
- CULVER
- ///sd---

STORM DRAIN
- UNKNOWN UTILITIES UNDER BRIDGE



THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

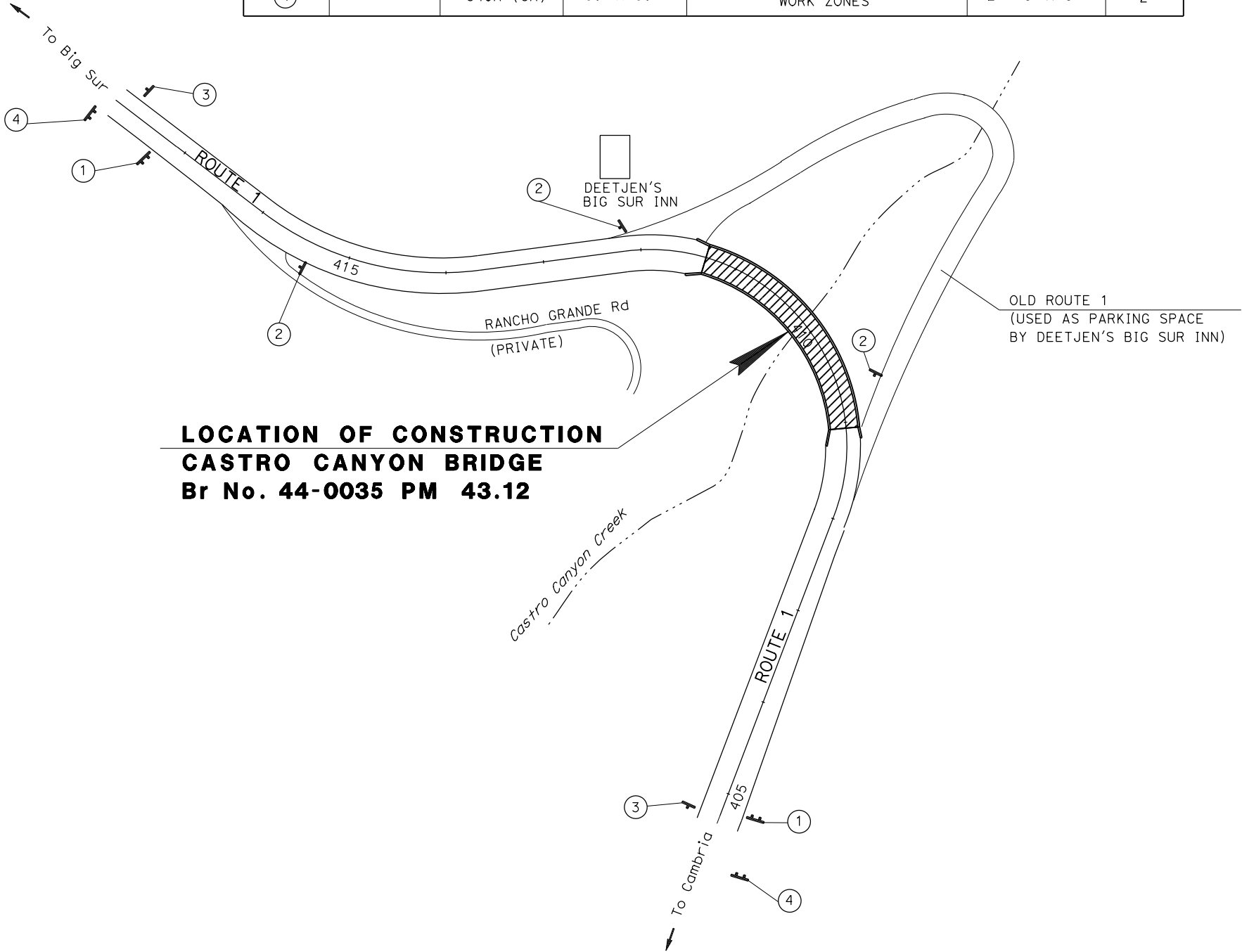
NO SCALE U-1

NOTES:

1. EXACT LOCATION OF SIGNS TO BE DETERMINED BY THE ENGINEER.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
①	W20-1		60" x 60"	ROAD WORK AHEAD	2 - 6" x 6"	2
②	W20-1		36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	3
③	G20-2		36" x 18"	END ROAD WORK	1 - 4" x 6"	2
④		C40A (CA)	60" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 6"	2



LOCATION OF CONSTRUCTION
CASTRO CANYON BRIDGE
Br No. 44-0035 PM 43.12

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12		

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA



CONSTRUCTION AREA SIGN


NO SCALE

CS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12		

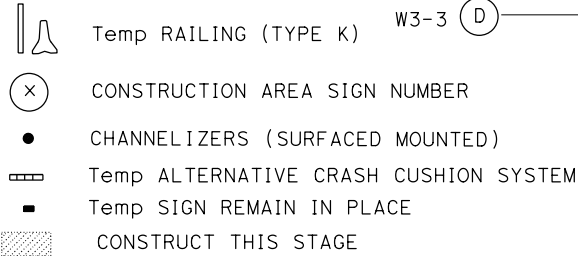
REGISTERED CIVIL ENGINEER

DATE



PLANS APPROVAL DATE

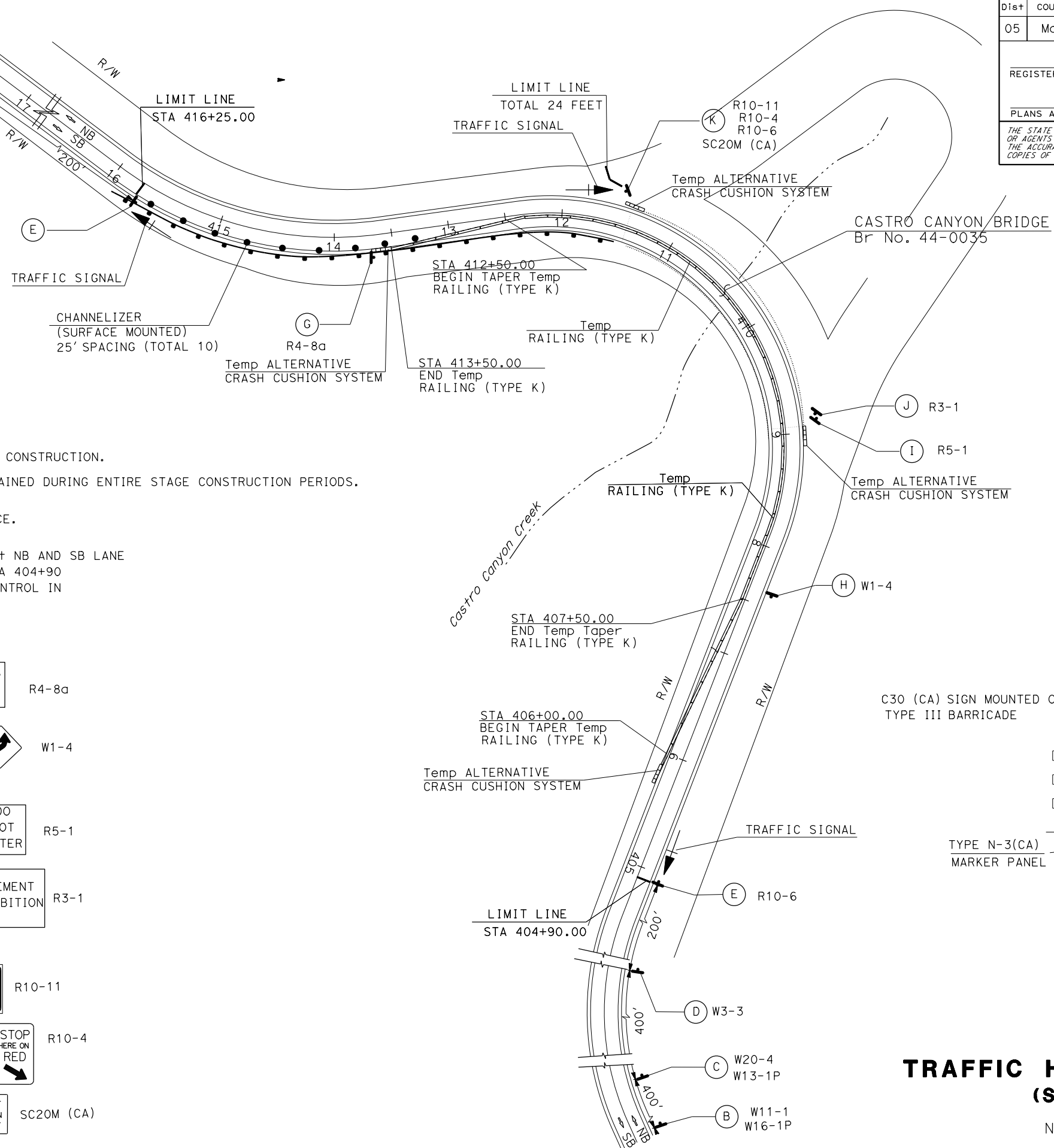
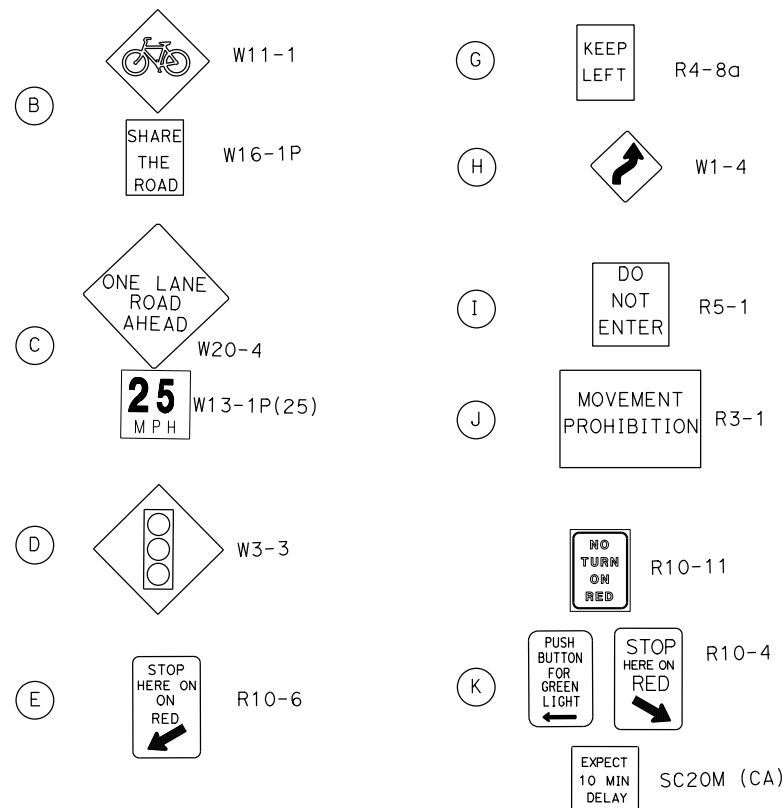
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NOTES:

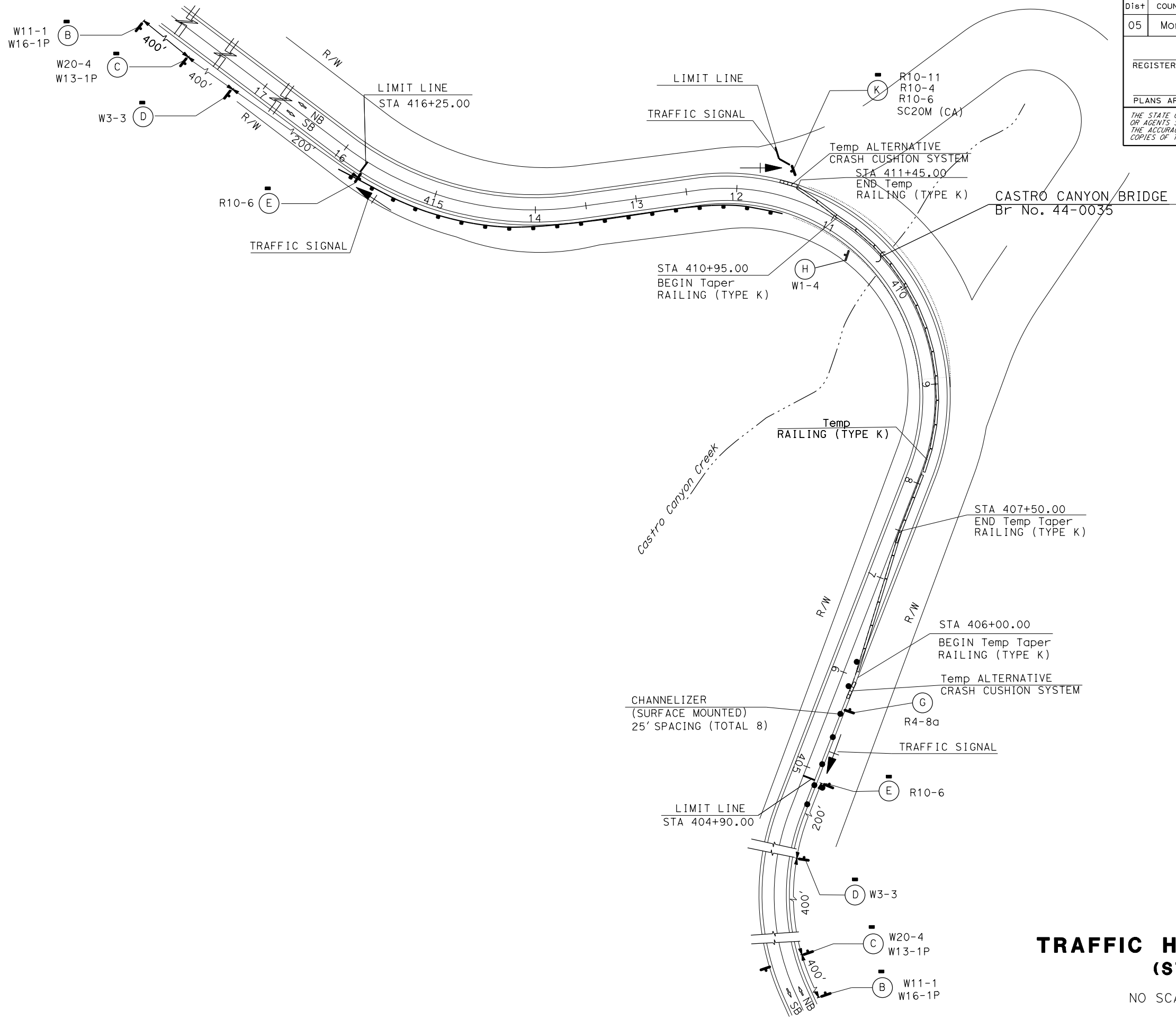
1. LOCATIONS OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE, EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
 2. FOR ADDITIONAL CONSTRUCTION AREA SIGNS SEE CS-1 SHEET.
 3. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
 4. ACCUSS TO DEETJEN'S INN TO REMAIN OPEN DURING CONSTRUCTION.
 5. CHANNELIZERS (SURFACE MOUNTED) SHALL BE MAINTAINED DURING ENTIRE STAGE CONSTRUCTION PERIODS.
 6. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

TRAFFIC: ROUTE 1 LOCAL TRAFFIC TRAVEL ON Exis+ NB AND SB LANE
USING Temp SIGNALS INSTALLED FROM STA 404+90
TO STA 416+25 FOR REVERSE TRAFFIC CONTROL IN
BOTH DIRECTIONS.



TRAFFIC HANDLING PLAN (STAGE 1)

NO SCALE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12		
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
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REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA

TRAFFIC HANDLING PLAN
(STAGE 2)

NO SCALE

TH-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.1	?	??

REGISTERED CIVIL ENGINEER

XX-XX-XX


PLANS APPROVAL DATE

00-00-00

DATE

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COPIES OF THIS PLAN SHEET.*

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. 	SIGN DESIGNATION	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
B	W11-1	18" x 18"	BICYCLE WARNING	1 - TS 2-1/2" x 2-1/2"	2
	W16-1P	18" x 24"	SHARE THE ROAD		
C	W20-4	36" x 36"	ONE LANE ROAD AHEAD	1 - TS 2-1/2" x 2-1/2"	2
D	W3-3	36" x 36"	SIGNAL AHEAD SYMBOL	1 - TS 2-1/2" x 2-1/2"	2
E	R10-6	24" x 36"	STOP HERE ON RED	1 - TS 2-1/2" x 2-1/2"	2
G	R4-8a	24" x 30"	KEEP LEFT	1 - TS 2-1/2" x 2-1/2"	2
H	W1-4	36" x 36"	REVERSING CURVE SYMBOL	1 - TS 2-1/2" x 2-1/2"	2
I	R5-1	??" x ??"	DO NOT ENTER	1 - TS 2-1/2" x 2-1/2"	1
J	R3-1	24" x 24"	NO RIGHT TURN SYMBOL	1 - TS 2-1/2" x 2-1/2"	1
K	R10-11	24" x 30"	NO TURN ON RED	1 - TS 2-1/2" x 2-1/2"	1
	R10-4	9 " x 12"	PUSH BUTTON FOR GREEN LIGHT		
	R10-6	24" x 36"	STOP HERE ON RED		
	SC20M	24" X 24"	EXPECT 10 MN DELAY		

TEMPORARY PAVEMENT QUANTITIES

ROUTE	SHEET	LOCATION/ POST MILE	DIRECTION	TEMPORARY PAVEMENT MARKING (TAPE)	
				DESCRIPTION	SQFT
1	TH-1	406+00	NB	1-LIMIT LINE (TH-1)	12.00
		416+25	NB	1-LIMIT LINE (TH-1)	24.00
		416+25	SB	1-LIMIT LINE (TH-1)	12.00
TOTAL					48.00

CHANNELIZER (SURFACE MOUNTED)

SHEET No.	EA
TH-1	13
TH-2	8
TOTAL	21

TEMPORARY RAILING (TYPE K)

SHEET No.	STATION	LENGTH (LF)
TH-1	406+00 TO 413+50 ("MAIN-1" LINE)	760
TH-2	406+00 TO 411+45 ("MAIN-1" LINE)	760
TOTAL		1,520

TEMPORARY CRASH CUSHION

SHEET No.	TEMPORARY ALTERNATIVE CRASH CUSHION SYSTEM
	EA
TH-1	4
TH-2	2
TOTAL	6


TYPE III BARRICADES

LOCATION	TYPE III BARRICADES
	EA
TH-1	3
TH-2	3
SUBTOTAL	6

TRAFFIC HANDLING QUANTITIES

THQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

 06-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR

MOHAMMED QATAMI

CALCULATED-DESIGNED BY

CHECKED BY

GURMIT GILL

APURVA GOKAL

REVISED BY

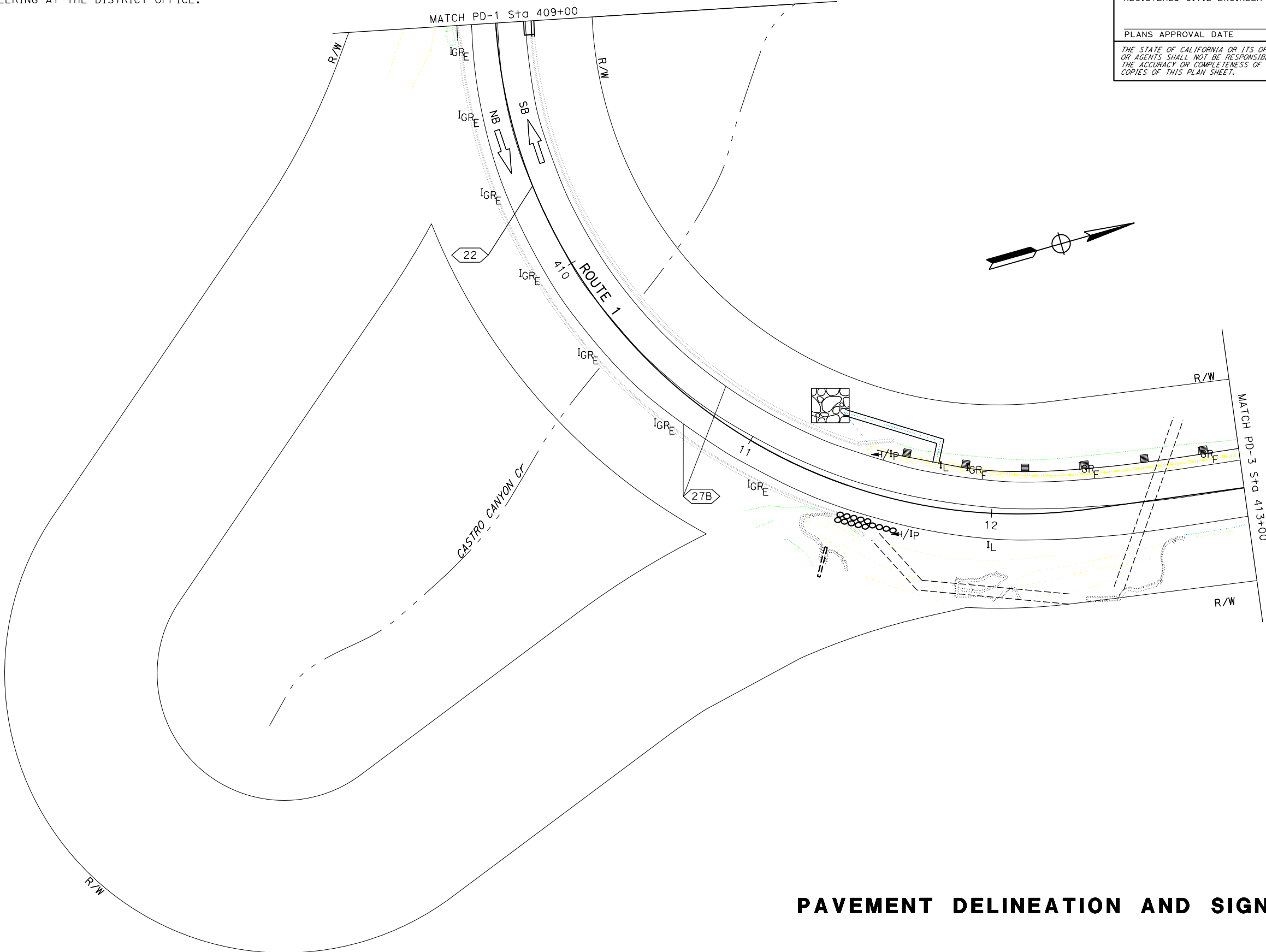
DATE

REVISED

REVISED

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



PAVEMENT DELINEATION AND SIGN PLAN

APPROVED FOR PAVEMENT DELINEATION AND SIGN PLAN WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12	?	??

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

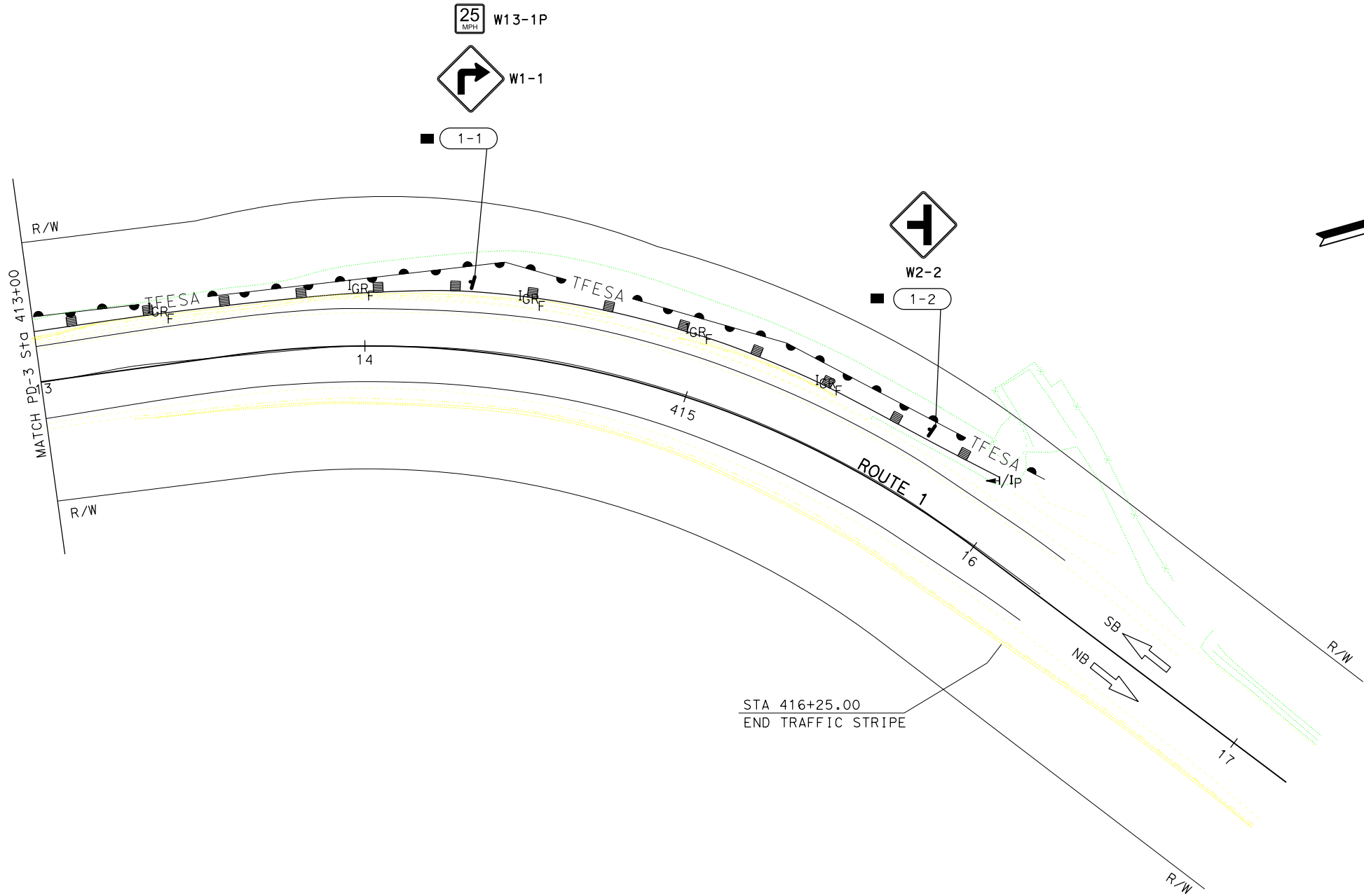
No.

Exp.

CIVIL

STATE OF CALIFORNIA

NOTE:
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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12	?	??

REGISTERED CIVIL ENGINEER

DATE

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REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA


APPROVED FOR PAVEMENT DELINEATION AND SIGN PLAN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE 1" = 20'

PD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

06-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR

MOHAMMED QATAMI

CALCULATED-DESIGNED BY

CHECKED BY

GURMIT GILL

APURVA GOKAL

REVISED BY

DATE REVISED

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
No.

TOTAL
SHEETS

05

Mon

1

43.1

?

??

REGISTERED CIVIL ENGINEER

00-00-00

DATE

XX-XX-XX

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

A.N. GOKAL

No. 61979

Exp. 09-30-21

CIVIL

STATE OF CALIFORNIA

SIGN QUANTITIES

SHEET NUMBER	SIGN NUMBER	SIGN DESIGNATION	SIGN MESSAGE	NO. OF POST AND POST SIZE	PANEL SIZE	BACKGROUND		LEGEND		FURNISH SINGLE SHEET ALUMINUM SIGN	ROADSIDE SIGN - ONE POST	REMOVE ROADSIDE SIGN (WOOD POST)	TREATED WOOD WASTE
					L X D	SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	UNFRAMED			
										SQFT			
PD-3	3-1	W1-1	RIGHT TURN (SYMBOL)	1-2½" x 2½"	30 x 30	FY	XI	BLACK	XI	6.25	1	1	86.25
		W13-1P	ADVISORY SPEED PLAQUE (25 MPH)	18 x 18	FY	XI	BLACK	XI	2.25				
	3-2	W2-2	SIDE ROAD (SYMBOL)	1-2½" x 2½"	30 x 30	FY	XI	BLACK	XI	6.25	1	1	86.25
TOTAL										14.75	2	2	187.5

PAVEMENT DELINEATION QUANTITIES

ROUTE	SHEET	LOCATION/ POST MILE		DIRECTION	DETAIL No.	PAVEMENT MARKER RETROREFLECTIVE	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC TRAFFIC STRIPE YELLOW/WHITE	OBJECT MARKER		GUARD RAILING DELINEATOR	
							TYPE D EA			SOLID YELLOW/WHITE	TYPE L EA	TYPE P EA	TYPE E EA
		6"											
		LF											
1	PD-1	406+00	416+25	NB	27B		1025		1025	4	5	7	8
	TO	406+00	416+25	NB/SB	22	88	2050	88	2050				
	PD-3	406+00	416+25	SB	27B		1025		1025				
SUBTOTAL						88	4,100	88	4,100	4	5	7	8
TOTAL						88	4,100	88	4,100	9		15	

PAVEMENT DELINEATION QUANTITIES

PDQ-1

BORDER LAST REVISED 7/2/2010

USERNAME => s128443
DGN FILE => 0516000081nc001.dgn

RELATIVE BORDER SCALE
IS IN INCHES

0

1

2

3

UNIT 1513

PROJECT NUMBER & PHASE

05160000811

LAST REVISION

10-11-21

DATE PLOTTED => 12-OCT-2021

TIME PLOTTED => 08:40

PLACE HOT MIX ASPHALT DIKE						
LOCATION	POST MILE	DIRECTION OF TRAVEL	DESCRIPTION	PLACE HMA DIKE (TYPE F)		REMOVE ASPHALT CONCRETE DIKE
				LF	TON	LF
1	43.11	SB	411+42.25 TO 412+22.25	80	1.1	80
TOTAL				80	1.1*	80

*QUANTITY INCLUDED IN ROADWAY QUANTITIES TABLE.

LOCATION	TEMPORARY HIGH VISIBILITY FENCE
	LF
"A" 407+58.00 TO 407+93.00, 19' R+	70
"A" 411+07.00 TO 416+00.00, 18' R+	539
TOTAL	609

	PM	DIRECTION	DESCRIPTION	LOCATION	LAYOUT TYPE	REMOVE GUARDRAIL	TREATED WOOD WASTE	MGS (STEEL POST)	31" FLARED TERMINAL SYSTEM END TREATMENT	TRANSITION RAILING (TYPE WB-31)	END ANCHOR ASSEMBLY (TYPE SFT)	OBJECT MARKER (TYPE P)	VEGETATION CONTROL (MINOR CONCRETE)
						LF	LB	LF	EA	EA	EA	EA	SOYD
Castro Canyon Br	43.11	SB	BRIDGE APPROACH	Sta 411+42.25 TO 415+93.25, 15' L+ "A" LINE	12B	426.0	5344	451.0	1	1	0	1	X
TOTAL						426.0	5344	451.0	1	1	0	1	X

LOCATION	POST MILE	DIRECTION OF TRAVEL	LOCATION/DESTRPTION	PLACE HMA (MISC AREA)	HMA (TYPE A) *
		NB/SB		SOYD	TON
1	43.03	SB	"A" 411+76, 17.3' L+ / TYPE 2	40	16.2
2	43.11	SB	"A" 407+69, 23.5' L+ / TYPE 1	15	6.1
TOTAL				1.4	22.3*

*QUANTITY INCLUDED IN ROADWAY QUANTITIES TABLE.

LOCATION	CRASH CUSHION TEST LEVEL II PENDING	CRASH CUSHION TEST LEVEL III	(N)
	EA	EA	CY
"A" 408+00.00, 14.0' L+		1	1.0
"A" 409+00.00, 14.0' R+	1		0.6
"A" 411+45.00, 14.0' R+	1		0.6
TOTAL	2	1	

N = NON PAY ITEM

MIDWEST GUARDRAIL SYSTEM (STEEL POSTS)	TRANSITION RAILING (TYPE WB-31)	TYPE TL-2 CRASH CUSHIONS	TYPE TL-3 CRASH CUSHION	TUBURLAR BICYCLE RAIL (TYPE 85 BARRIER)	CABLE RAILING	FLARED END TREATMENT	CORRUGATED STEEL PIPE
LF	EA	EA	EA	LF	LF	EA	LF
426.0	1	2	1	470	20	1	51

* THIS IS A LUMP SUM ITEM, FOR INFORMATION PURPOSES ONLY

SUMMARY OF QUANTITIES

Q-1

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
No.

TOTAL
SHEETS

05

MON

1

43.12

PRELIMINARY

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

Signature

07-31-21

Renewal Date

Date

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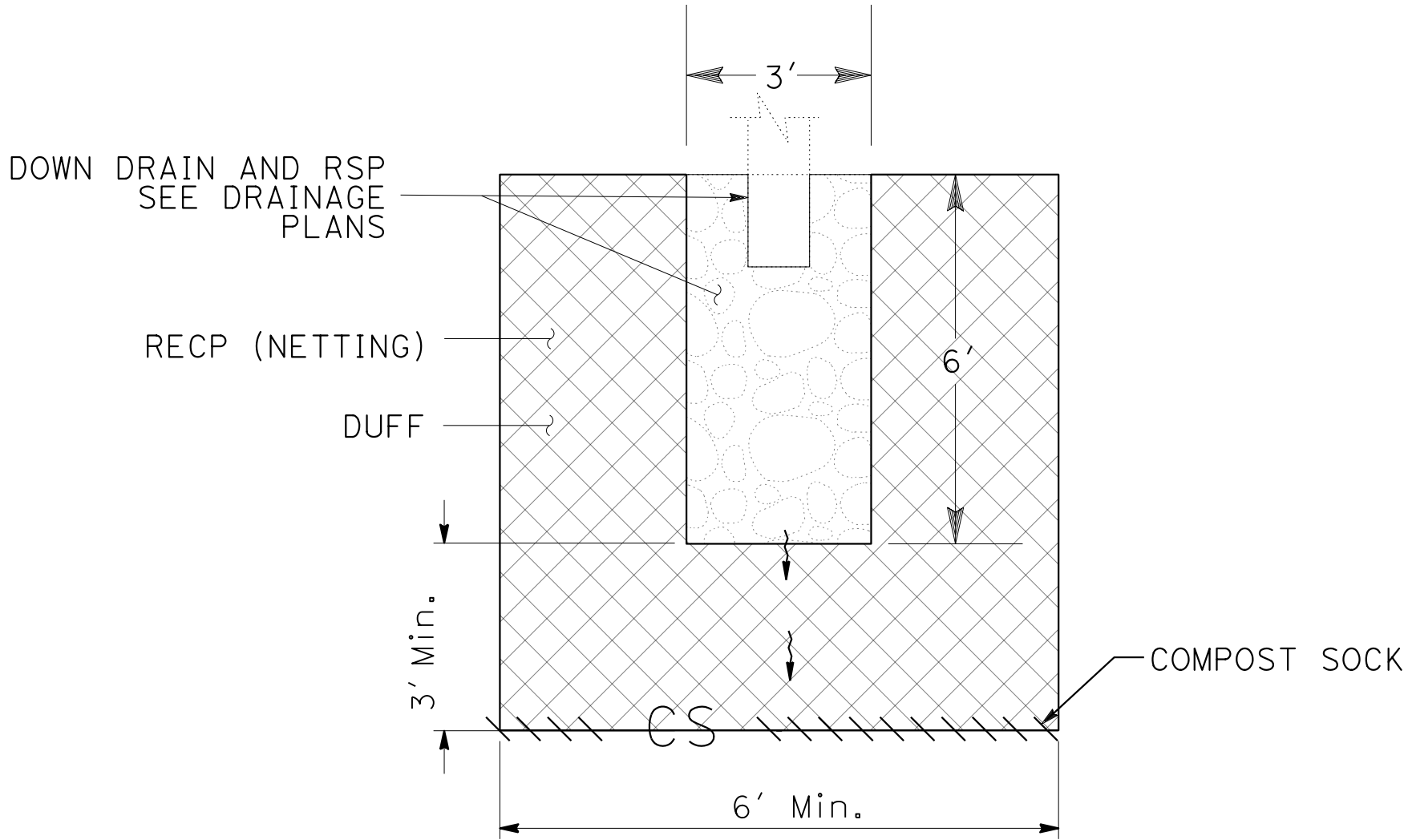
LICENSED LANDSCAPE ARCHITECT

Jessica Bailey No. 76022

STATE OF CALIFORNIA

ROLLED EROSION CONTROL PRODUCT				
SEQUENCE	ITEM	MATERIAL		
		DESCRIPTION	TYPE	FASTENER
INSTALL BEFORE DUFF PLACEMENT	ROLLED EROSION CONTROL PRODUCT (NETTING)	100% COIR NETTING (COCONUT FIBER)	ECTC TYPE 4 NETTING TYPE A	8-GAUGE, 8 INCH STEEL STAPLE

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE
INSTALL AFTER RECP (NETTING), BEFORE DUFF PLACEMENT	COMPOST SOCK	COMPOST FILLED BIODEGRAD-ABLE TUBE	8" DIA.



PLAN

TYPICAL EROSION CONTROL AT DRAIN OUTLETS

NO SCALE

LOCATION	COMPOST SOCK	RECP (NETTING)	REMARKS
	LF	SQFT	
"A" 408 to 407+50 LF	10	210	SEE DETAIL AND DRAINAGE PLANS
"A" 411 to 412 LF	10	340	
TOTAL	20	550	

LOCATION	(N) DUFF COLLECTION	(N) DUFF PLACEMENT	DUFF	REMARKS
	SQFT	SQFT	SQFT	
"A" 408 to 407+50 LF	500	500	500	SEE DETAIL AND DRAINAGE PLANS PLACE DUFF IN DISTURBED SOIL AREAS.
"A" 411 to 412 LF	700	700	700	
TOTAL	1200	1200	1200	

NOTES:

1. OVERHEAD ENTRANCE CONDUIT FITTING MUST FORM A DRIP LOOP AT ENTRANCE FITTING.
2. ESTABLISH CONTINUOUS GROUND WITH SYSTEM GROUND TO ALL METAL PARTS IN SYSTEM BY BONDING JUMPERS AND CONDUITS.
3. SIGNS SHOWN ARE "CONSTRUCTION AREA SIGNS". SEE TRAFFIC HANDLING PLANS FOR DETAILS.

LEGEND: (SHEETS E-2, E-3 AND E-4)

- 1

POWER FOR TSS SHALL BE PROVIDED BY GENERATOR WITH A BACKUP GENERATOR, SEE DETAIL H ON SHEET ED-3.
- 2

DEPARTMENT-FURNISHED MODEL 170 CONTROLLER ASSEMBLY. YOU MUST FURNISH AND INSTALL UPS, VIDA EQUIPMENT AND TEMPORARY FOUNDATION PLATFORM FOR MODEL 332L CABINET PER DETAIL D ON SHEET ED-2.
- 3

FOR DETECTOR LOOP INSTALLATION, SEE DETAIL A ON SHEET ED-1.
- 4

DETECTOR LOOP MUST HAVE 5 TURNS.
- 5

INSTALL GROUND ELECTRODE IN PB.
- 6

TEMPORARY WOOD POLE, SEE DETAIL C ON SHEET ED-1.
- 7

TEMPORARY WOOD POLE WITH FB, SEE DETAIL B ON SHEET ED-1.
- 8

TEMPORARY WOOD POST WITH SERVICE ENCLOSURE, SEE DETAIL G ON SHEET ED-3.
- 9

TEMPORARY WOOD POLES WITH SIGNAL EQUIPMENT ON SPAN WIRE, SEE DETAIL E ON SHEET ED-2.
- 10

TEMPORARY WOOD POLE WITH SIGNAL EQUIPMENT, SEE DETAIL F ON SHEET ED-2.
- 11

TEMPORARY WOOD POLES WITH VIDA SENSOR.

ABBREVIATIONS:

- VIDA - VIDEO IMAGE DETECTION ASSEMBLY
- UPS - UNINTERRUPTIBLE POWER SUPPLY
- ATS - AUTOMATIC TRANSFER SWITCH
- TSS - TEMPORARY SIGNAL SYSTEM

CONDUIT RUNS:

- 1

1½"C, 3#4, 1#8 (G)
- 2


1½"C, 2#6 (Sig), 2#8 (L+g),
2#10 (FB E),
2#10 (FB W)
- 3


1½"C, 2#6 (Sig),
4 DLC, 3-5CSC,
1-VIDA CABLE
- 4


2"C, 4 DLC,
2#8 (L+g), 3-5CSC,
2#10 (FB E),
2#10 (FB W),
1-VIDA CABLE
- 5


2"C, 3 DLC,
2#8 (L+g), 3-5CSC,
2#10 (FB E),
1-VIDA CABNLE


SYMBOLS:


- 


TEMPORARY WOOD POLE WITH FB.
- 


TEMPORARY WOOD POLES WITH SIGNAL EQUIPMENT ON SPAN WIRE.
- 


TEMPORARY WOOD POLE WITH SIGNAL EQUIPMENT.
- 


TEMPORARY WOOD POLE.
- 

TEMPORARY WOOD POST WITH TYPE A SERVICE.
- 

OVERHEAD BUNDLE, (CONDUCTORS AS NOTED)
- 

TEMPORARY 6' CL-6 FENCE WITH 4' GATE.
- 

FUEL LINE.
- 

GENERATOR WITH A GENERATOR BACKUP AND TRANSFER SWITCH.
- 

FUEL TANK.

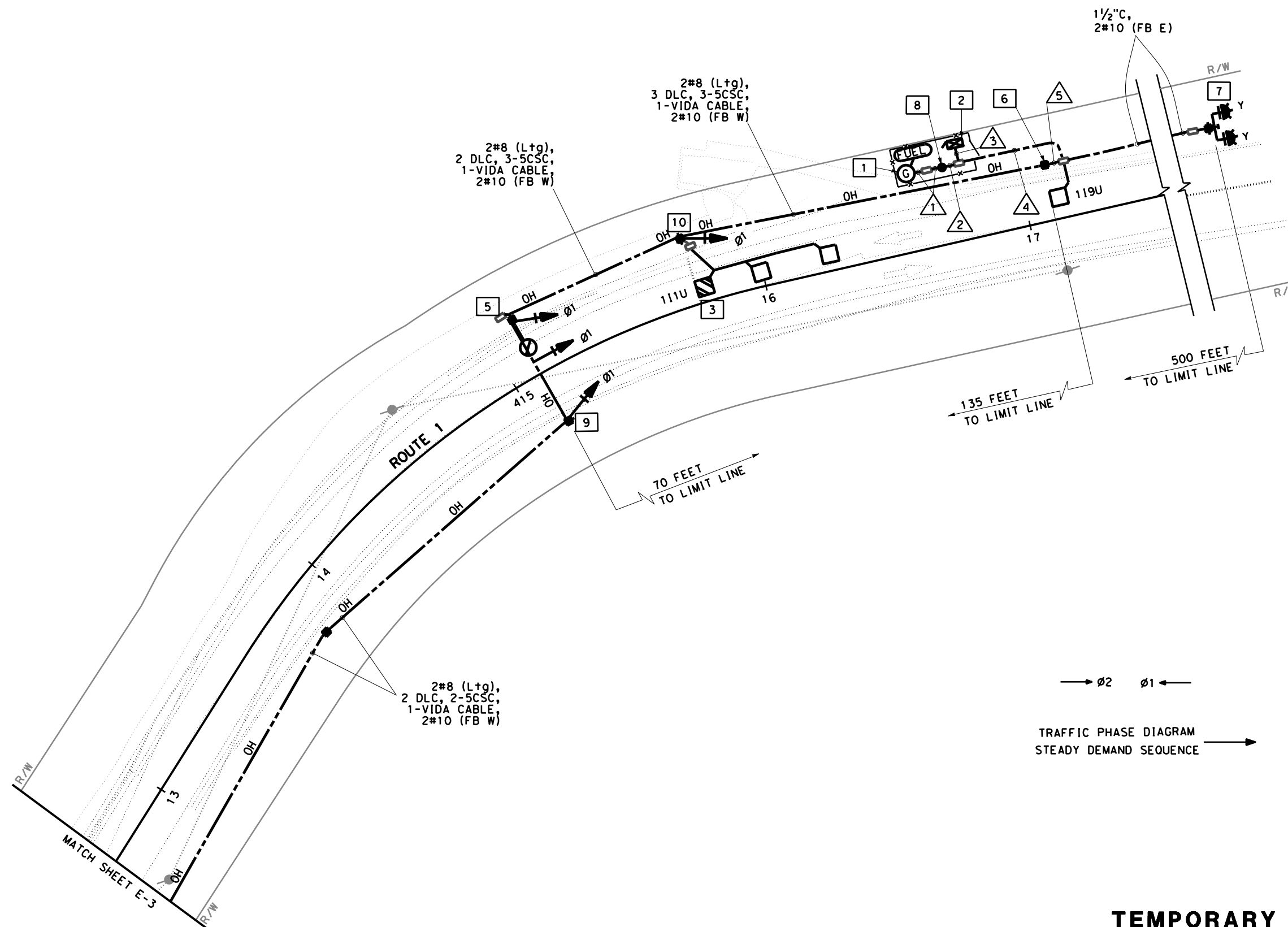
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ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	??	??

REGISTERED ELECTRICAL ENGINEER	DATE
XX-XX-XX	
PLANS APPROVAL DATE	

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A circular professional engineer seal for Hashim Khalid, No. 18054, Exp. 06/30/23, State of California. The seal includes the text "REGISTERED PROFESSIONAL ENGINEER" around the top and "STATE OF CALIFORNIA" around the bottom, with two stars on the sides.

TRAFFIC PHASE DIAGRAM
STEADY DEMAND SEQUENCE

TEMPORARY SIGNAL SYSTEMS

E-2

APPROVED FOR ELECTRICAL WORK ONLY

SCALE 1"=20'

UNIT 1515

PROJECT NUMBER & PHASE

05180001131

BORDER LAST REVISED 7/2/2010

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USERNAME =>
DGN FILE => ...\\CesarFiles\\0516000081ua002.dgn


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RELATIVE BORDER SCALE
IS IN INCHES



DATE PLOTTED => 11/18/2021
TIME PLOTTED => 1:40:04 PM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

06-ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR

ALI BAKHDOUD

CALCULATED-DESIGNED BY

CHECKED BY

HASHIM MOHAMED KHALID

PAUL MATOS

REVISED BY

DATE

REVISED BY

DATE

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12	??	??

REGISTERED ELECTRICAL ENGINEER

DATE

XX-XX-XX

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

HASHIM KHALID

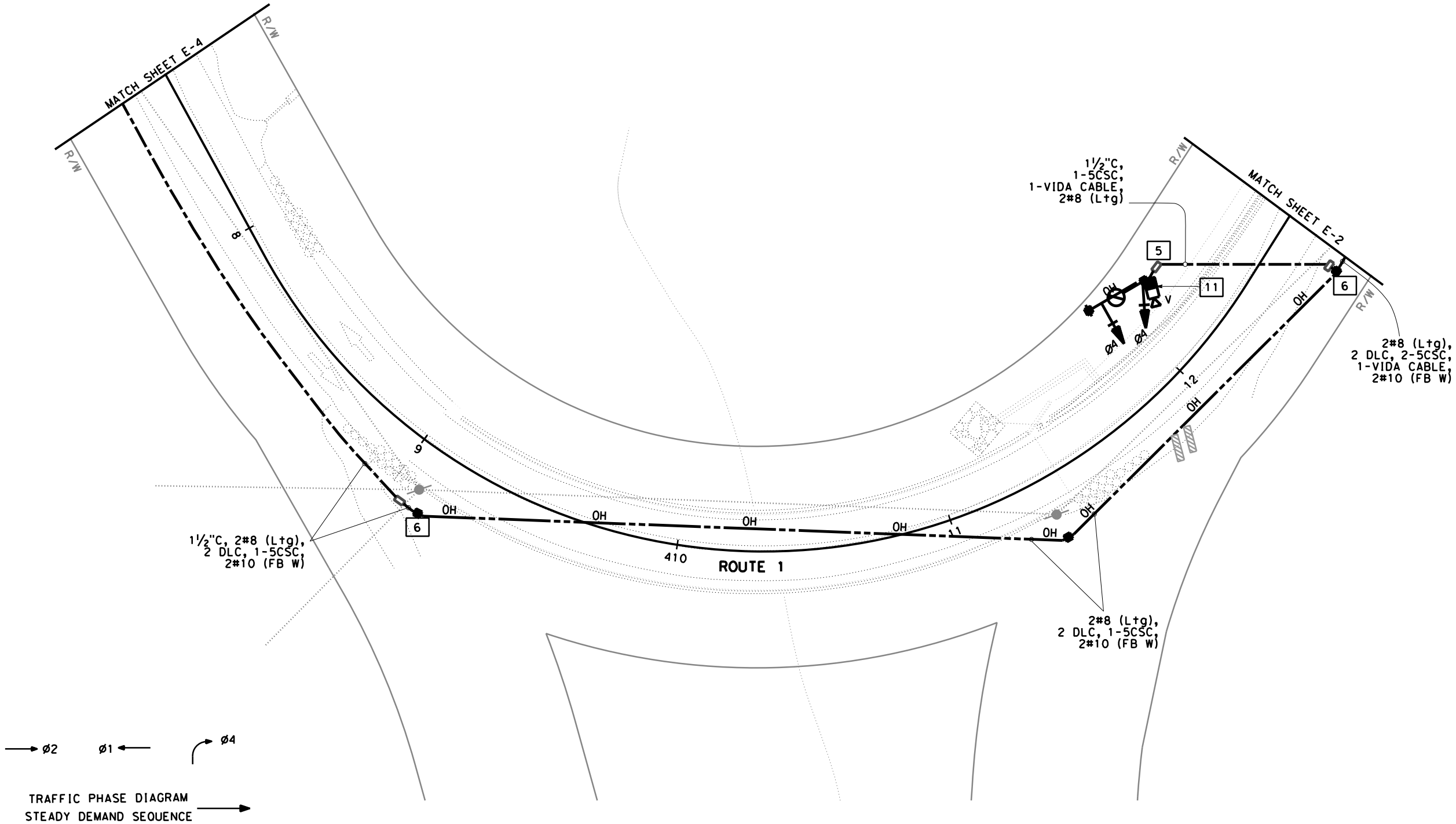
No. 18054

Exp. 06/30/23


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ALI BAKHOUD

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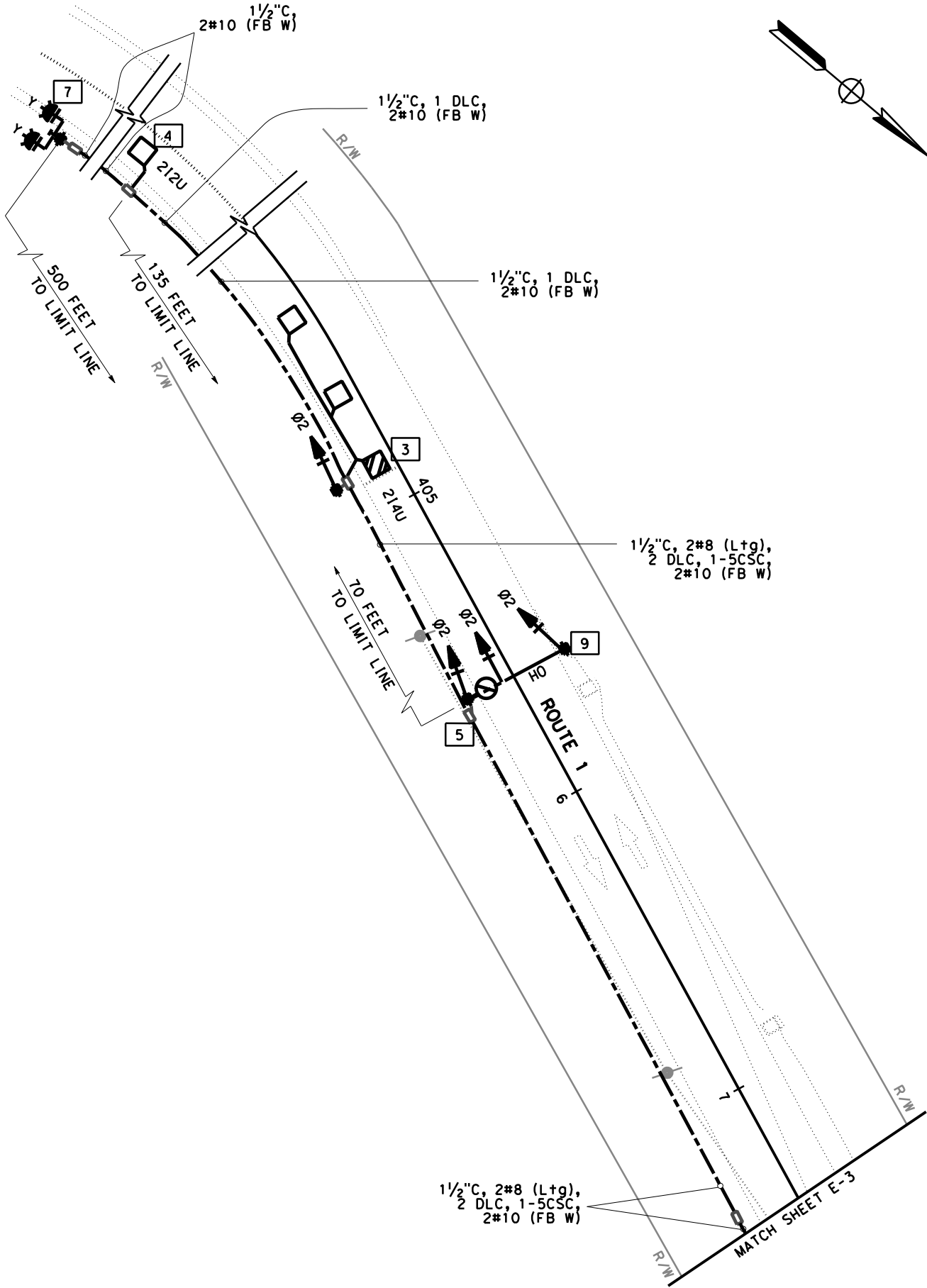
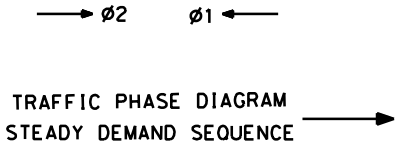
HASHIM MOHAMED KHALID

PAUL MATOS

REVISED BY

DATE REVISED

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ENGINEERING AT THE DISTRICT OFFICE.



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	??	??

REGISTERED ELECTRICAL ENGINEER

DATE

XX-XX-XX

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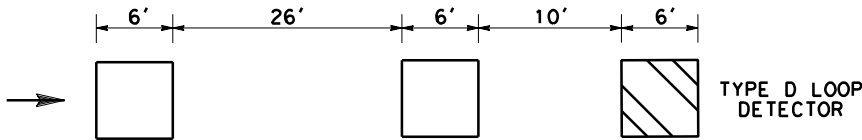
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Exp. 06/30/23

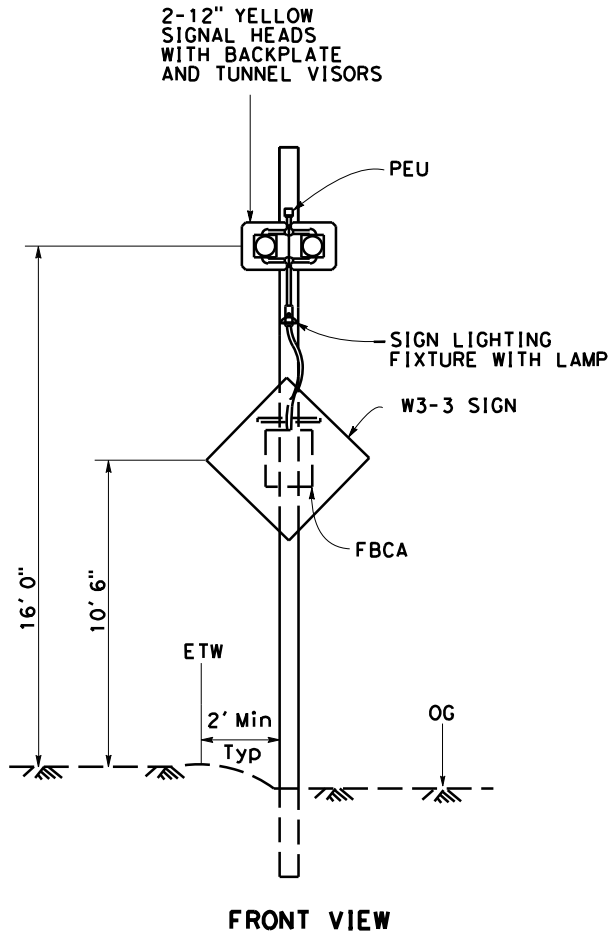
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STATE OF CALIFORNIA

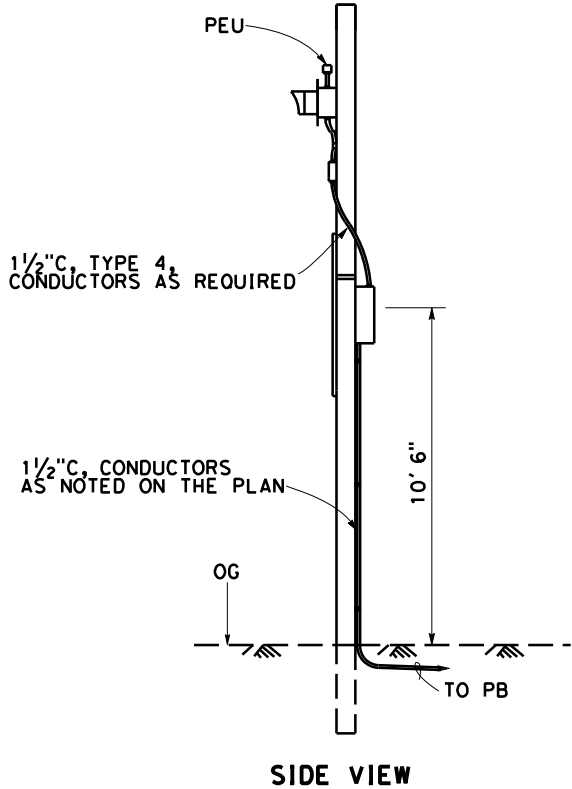
NOTE:
SEE SES PLANS FOR TEMPORARY WOOD POLE DETAILS.



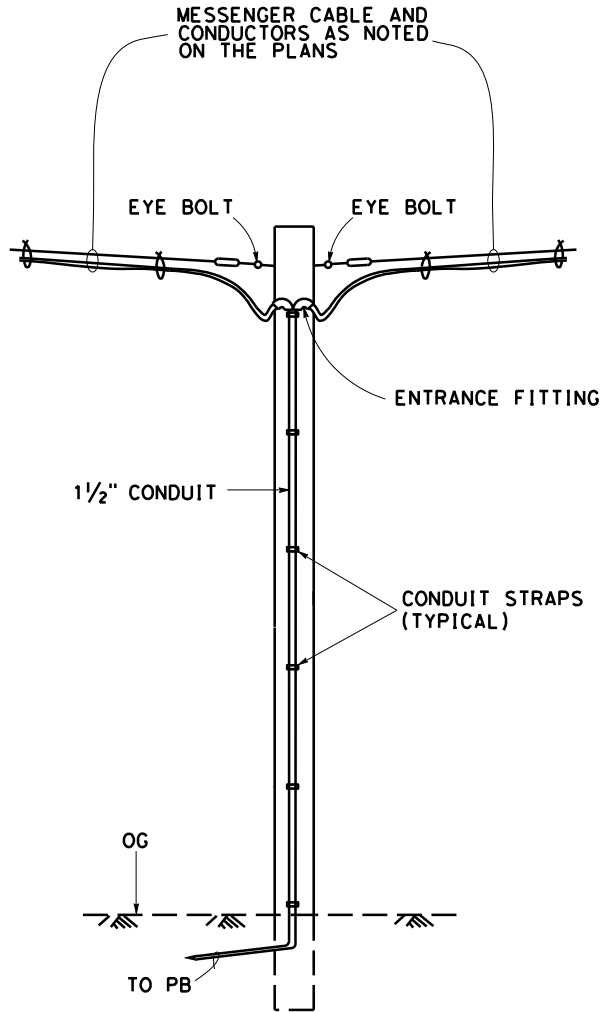
DETECTOR LOOP INSTALLATION
DETAIL A



TEMPORARY WOOD POLE WITH FB
DETAIL B



SIDE VIEW



TEMPORARY WOOD POLE
DETAIL C

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12	??	??

REGISTERED ELECTRICAL ENGINEER

DATE

XX-XX-XX

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

HASHIM KHALID

No. 18054

Exp. 06/30/23

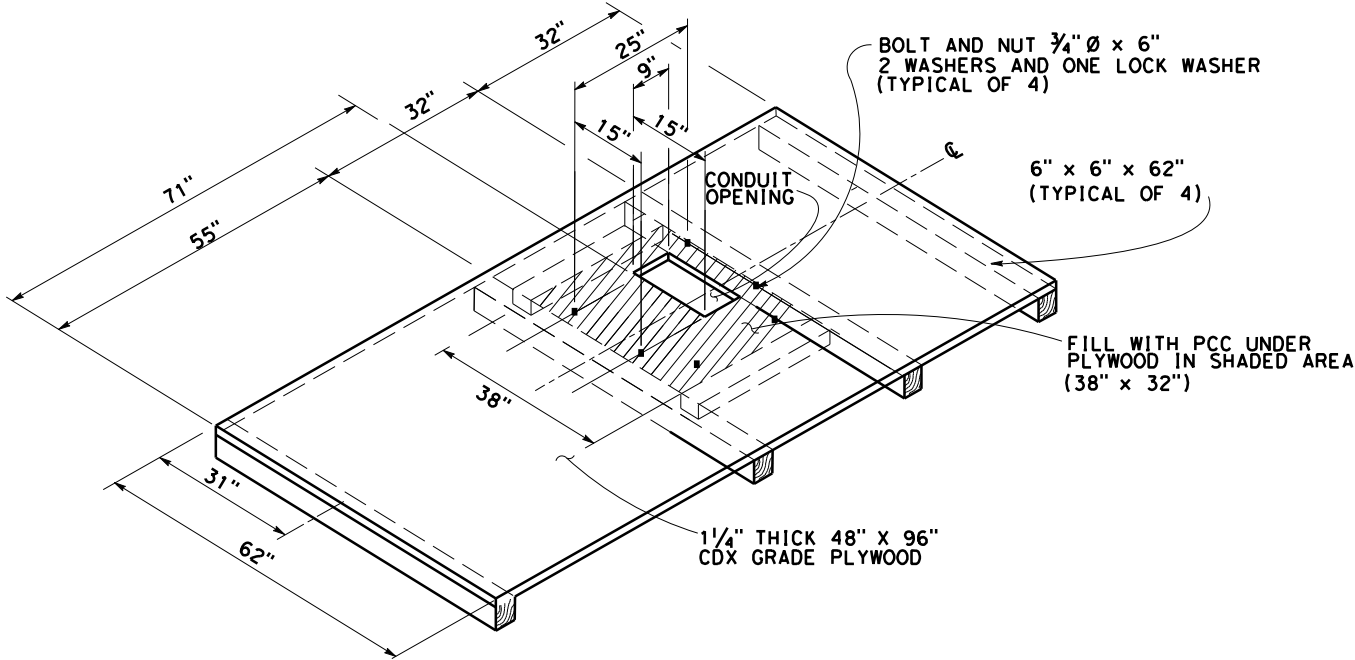
ELECTRICAL

STATE OF CALIFORNIA

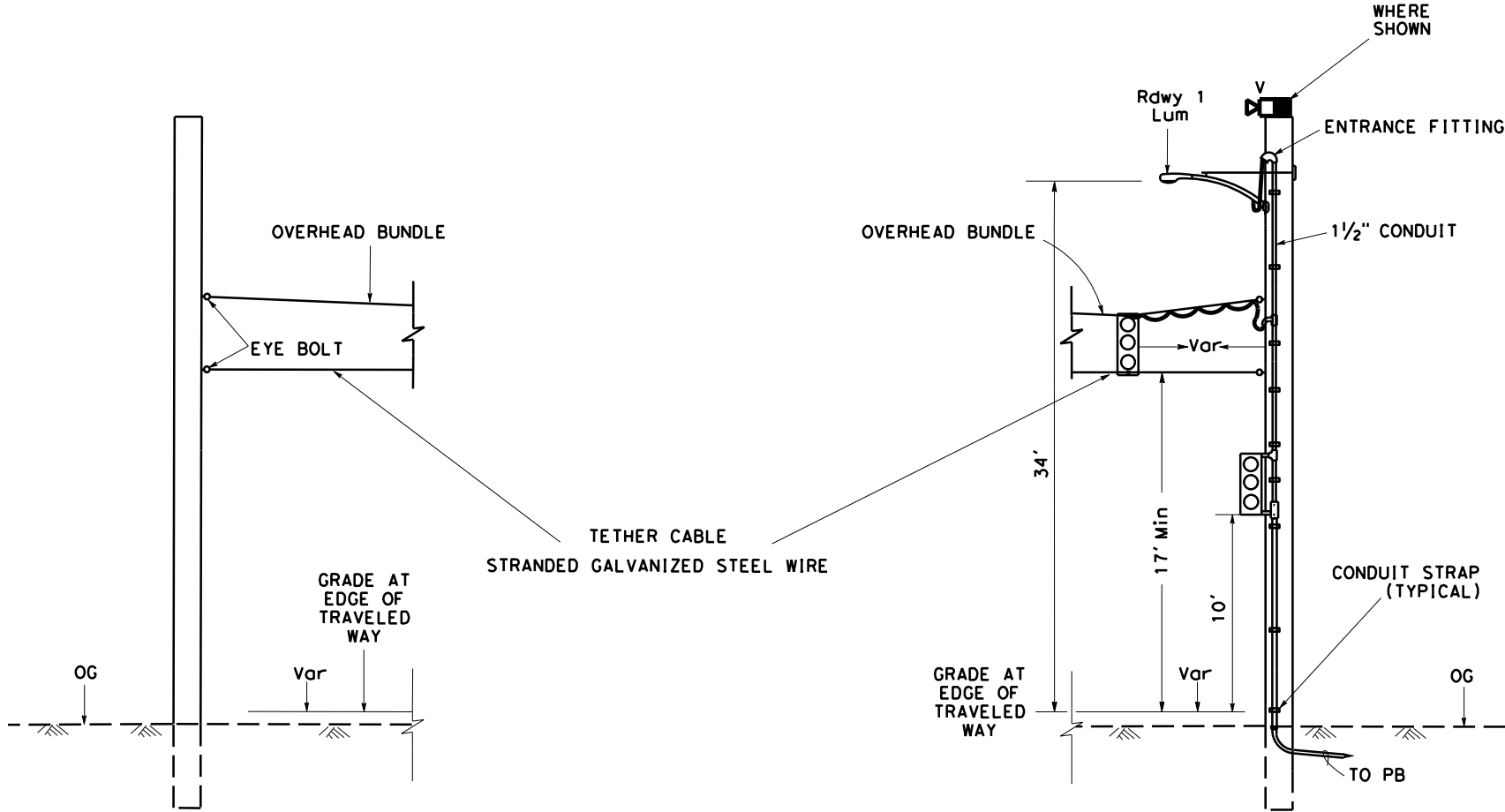
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR		ALI BAKHDOUD	CALCULATED-DESIGNED BY	CHECKED BY	HASHIM MOHAMED KHALID	PAUL MATOS	REVISED BY	DATE	REVISED BY	DATE

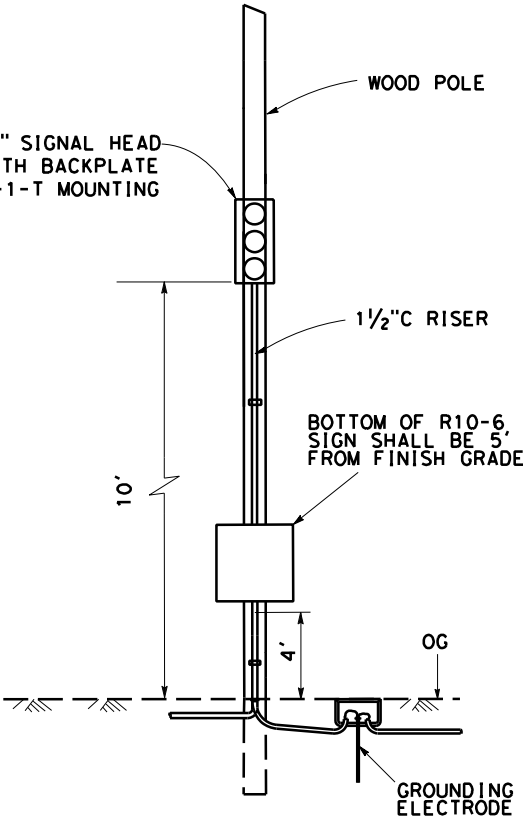
NOTE:
SEE SES PLANS FOR TEMPORARY WOOD POLE DETAILS.



TEMPORARY FOUNDATION PLATFORM FOR MODEL 332L CABINET
DETAIL D



TEMPORARY WOOD POLES WITH SIGNAL EQUIPMENT ON SPAN WIRE
DETAIL E



TEMPORARY WOOD POLE SIGNAL
DETAIL F

ELECTRICAL SYSTEMS DETAILS
ED-2

NO SCALE

NOTE:
FOR INFORMATION ONLY. ELECTRICAL SYSTEMS QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS.
SEE ELECTRICAL SYSTEMS PLANS AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDED FOR EACH SYSTEM.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12	??	??

REGISTERED ELECTRICAL ENGINEER DATE

XX-XX-XX

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

HASHIM KHALID

No. 18054

Exp. 06/30/23

ELECTRICAL

STATE OF CALIFORNIA

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TEMPORAY SIGNAL SYSTEMS

SHEET No.	1 1/2" C, TYPE 3	2" C, TYPE 3	No. 4 CONDUCTOR	No. 6 CONDUCTOR	No. 8 CONDUCTOR	No. 10 CONDUCTOR	No. 8 (G) CONDUCTOR	5CSC	DLC	OVERHEAD BUNDLE	VIDA CABLE	TYPE CL-6 TEMPORARY CHAIN LINK FENCE	TYPE A DETECTOR LOOP	TYPE D DETECTOR LOOP	MODEL 334L CABINET	TEMPORAY WOOD POLE WITH FB EQUIPMENT	TEMPORAY WOOD POLE WITH Sig EQUIPMENT
	LF												EA				
E-2	400	40	60	40	1120	2000	900	1100	1300	500	540	100	4	1	1	1	1
E-3	60				1120	1120	560	560	1120	560	80						
E-4	760				350	1500	760	180	640				4	1		1	

TEMPORAY SIGNAL SYSTEMS

SHEET No.	GENERATOR	VIDA SENSOR	VIDA EQUIPMENT	VIDA CABLE	No. 5 PB	TEMPORAY WOOD POLE WITH Sig EQUIPMENT ON SPAN	TEMPORAY WOOD POLE WITH FB	TEMPORAY WOOD POLE
	EA							
E-2	2		1		6	1	1	6
E-3		1			3	1		3
E-4					5	1	1	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	????	####

REGISTERED CIVIL ENGINEER

DATE

X

MM/DD/YYYY

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

No.

X

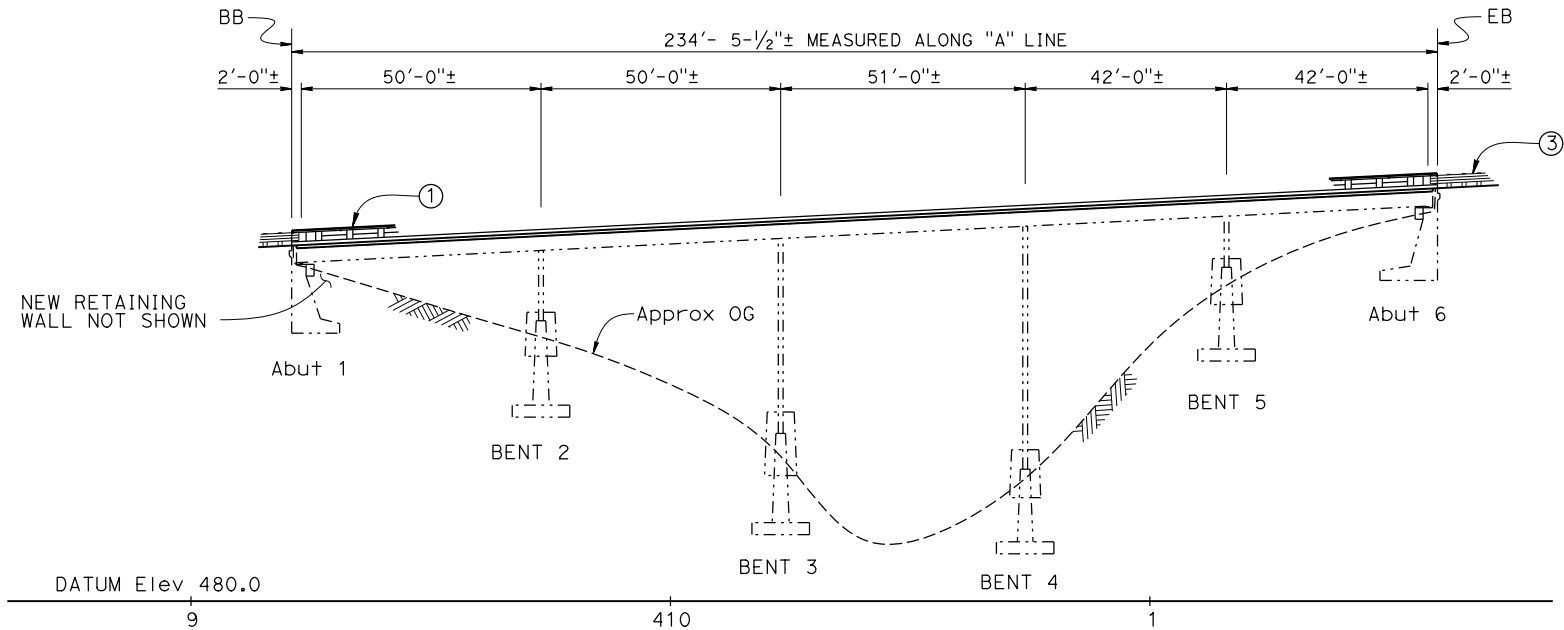
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STATE OF CALIFORNIA

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DEVELOPED ELEVATION

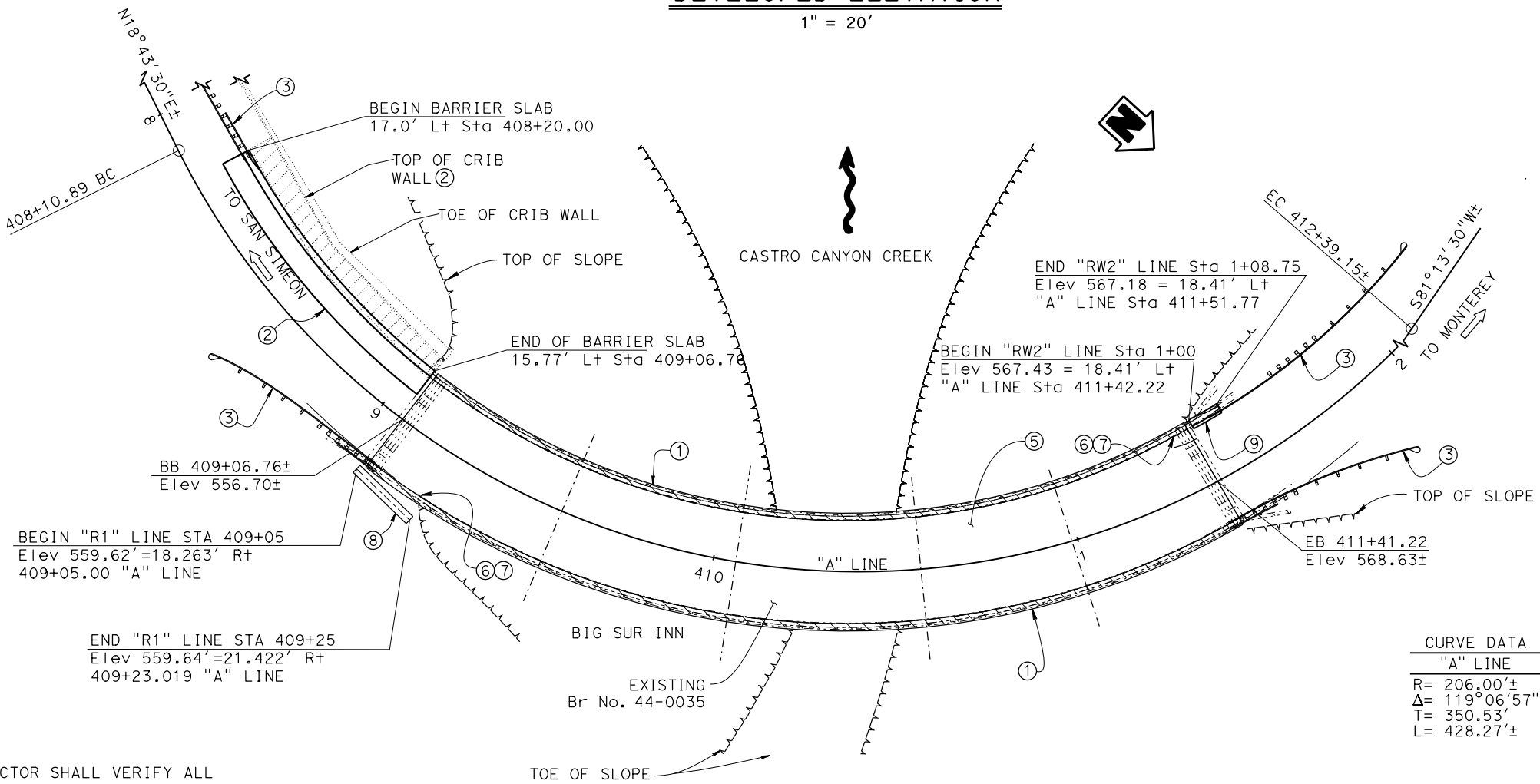
1" = 20'

LEGEND:

- Indicates existing structure
- [Hatched Box] Indicates Crib Wall Removal
- [Hatched Box] Indicates Barrier Rail and Curb removal

NOTES:

- Remove existing concrete curb and timber rail, and replace with concrete barrier Type 85 with tubular bicycle railing, existing reinforcement to remain.
- Remove existing crib wall and K-Rail(not shown), replace with Type 85 barrier on barrier slab, see "BARRIER SLAB" sheet
- End treatment by District, see "ROADWAY PLANS".
- New Retaining wall, see "SECANT WALL" sheets.
- Place 3/4" polyester concrete overlay over Exist deck.
- Paint: Br. No. 44-0035
- Paint: CASTRO CANYON BRIDGE
- Soldier Pile wall with timber lagging, concrete coping and cable railing, see "SOLDIER PILE WALL" sheets.



PLAN

1" = 20'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

CURVE DATA	
"A" LINE	
R=	206.00'±
Δ=	119°06'57"±
T=	350.53'
L=	428.27'±

MIKE POPE BRANCH CHIEF	DESIGN	BY Rene Coria	CHECKED Minh Tran	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING HL93 W/"LOW-BOY" & PERMIT DESIGN VEHICLE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 18	BRIDGE No.	CASTRO CANYON BRIDGEX GENERAL PLAN										
	DETAILS	BY Mohammad Sharif	CHECKED Minh Tran	LAYOUT	BY Rene Coria			CHECKED Minh Tran		44-0035									
	QUANTITIES	BY Rene Coria	CHECKED Minh Tran	SPECIFICATIONS	BY X			PLANS AND SPECS COMPARED X		43.12									
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REVISION 10/20/2020)		DATE PLOTTED => 2-NOV-2021		TIME PLOTTED => 12:03		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3603		PROJECT NUMBER & PHASE: 0516000081K		CONTRACT No.: 05-1H490K		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES		SHEET 1 OF 17	

GENERAL NOTES

DESIGN:
AASHTO LRFD Bridge Design Specifications,
8th Edition with California Amendments.

REINFORCED
CONCRETE:
fy = 60 ksi
fy = 60 ksi (Exist Reinf)
fc = 4.0 ksi, Deck Concrete shall be Structural
Concrete, Bridge (Polymer Fiber)
n = 8

SEISMIC
LOADING:
See "ACCELERATION RESPONSE SPECTRA CURVE"
kh = 0.21

STRUCTURAL TIMBER:
Treated Douglas Fir No. 1 or better

SOIL PARAMETERS:
(For determination of active Design
Lateral Earth Pressures of retained soil)
γ = 125 lb/ft³
φ = 35°

(For determination of passive Design
Lateral Earth Pressures in front of
wall below FG)
γ = 130 lb/ft³
φ = 40°

SOLDIER
PILES:
fy = 50 ksi

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	INDEX TO PLANS
3	FOUNDATION PLAN
4	BARRIER DETAILS, RIGHT SIDE
5	BARRIER DETAILS, LEFT SIDE
6	ABUTMENT DETAILS
7	SOLDIER PILE WALL LAYOUT
8	SOLDIER PILE WALL DETAILS No. 1
9	SOLDIER PILE WALL DETAILS No. 2
10	SECANT WALL STRUCTURE PLAN
11	SECANT WALL DETAILS
12	JOINT REPLACEMENT DETAILS
13	CONCRETE BARRIER TYPE 85, DETAILS No. 1
14	CONCRETE BARRIER TYPE 85, DETAILS No. 2
15	MISCELLANEOUS DETAILS 1
16	BARRIER SLAB
17	LOG OF TEST BORINGS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	????	####

REGISTERED CIVIL ENGINEER

X
DATE

MM/DD/YYYY

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

X
No. X

Exp. X

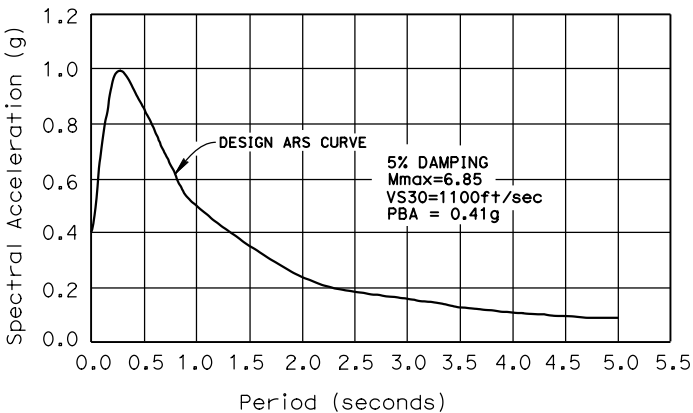
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STATE OF CALIFORNIA

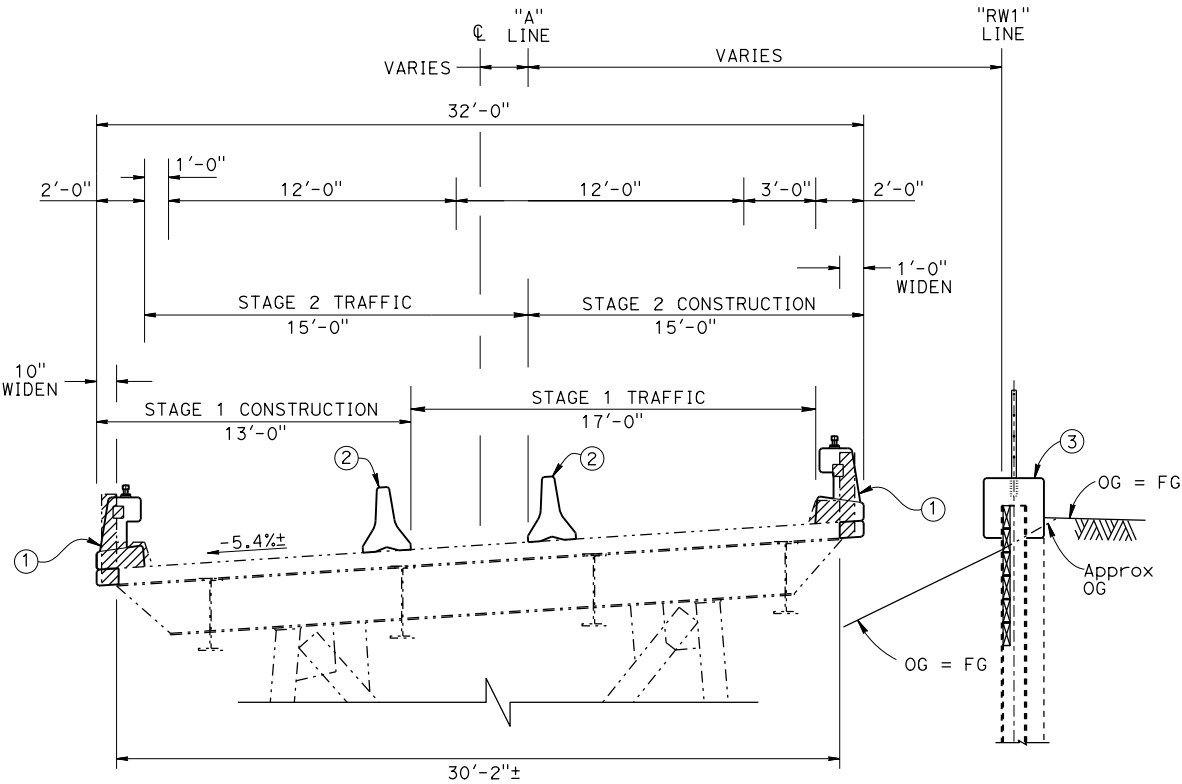
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STANDARD PLANS DATED 2018

DETAIL	DESCRIPTION
A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND LINES AND SYMBOLS (SHEET 5 OF 5)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A10H	LEGEND - ROCK
A77U1	MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS, DETAILS No. 1
A77U2	MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS, DETAILS No. 2
A77U4	MIDWEST GUARDRAIL SYSTEM TRANSITION RAILING (TYPE WB-31)
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING=2")
B11-47	CABLE RAILING
RSP B11-83	Concrete Barrier Type 85 Details No. 1
RSP B11-84	Concrete Barrier Type 85 Details No. 2
RSP B11-85	Concrete Barrier Type 85 Details No. 3



SITE SPECIFIC ACCELERATION RESPONSE SPECTRA
NO SCALE



TYPICAL SECTION
1/4" = 1'-0"

STANDARD PLAN SHEET NO.
DETAIL NO.

- LEGEND:
- Indicates Existing structure
 - ▨ Indicates Bridge Removal (Portion)
- NOTES:
- Remove existing concrete curb and timber rail, and replace with concrete barrier Type 85 with tubular bicycle railing, existing reinforcement to remain.
 - Temporary Railing (Type K) - see "ROADWAY PLANS"
 - Soldier Pile wall with timber lagging, concrete coping and cable railing, see "SOLDIER PILE WALL" sheets.

NOTE:
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CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

DESIGN	BY Rene Coria	CHECKED Minh Tran
DETAILS	BY Mohammad Sharif	CHECKED Minh Tran
QUANTITIES	BY Rene Coria	CHECKED Minh Tran

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 18

BRIDGE No.
44-0035
POST MILE
43.12

CASTRO CANYON BRIDGE
INDEX TO PLAN

DATE PLOTTED => 2-NOV-2021
FILE => 44-0035-a-1tp.dgn

TIME PLOTTED => 12:03
USERNAME => s151020

ORIGINAL SCALE
IN INCHES FOR
REDUCED PLANS

UNIT: 3603
PROJECT NUMBER & PHASE: 0516000081

CONTRACT No.: 05-1H490

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES

SHEET
2
OF
17

CURVE DATA

No. #	R	Δ	T	L
1	206.00	119°06'57"	350.53	428.27
2	187.59	2° 40' 21"	4.38	8.75
3	150.00	18° 13' 29"	24.06	47.71

SURVEY MONUMENTS SHOWN ON THE FOUNDATION PLAN ARE FOR DESIGN PURPOSES ONLY.
FOR COMPLETE LIST OF SURVEY MONUMENTS FOR THIS PROJECT, SEE ROADWAY PLANS.

SURVEY CONTROL

PM43.1
1" IP W/ RED CALTRANS CONTROL PP W/ NAIL
17.99' R+ 408+93.24 "A" LINE
N 1,973,631.41
E 5,750,544.97
Elev = 556.95

PM43.25 (NOT SHOWN ON PLAN)
1" IP W/ RED CALTRANS CONTROL PP W/ NAIL
17.90' L+ 416+71.74 "A" LINE
N 1,973,899.80
E 5,749,878.46
Elev = 595.31

EXISTING BRIDGE LOCATION

- (A) - 12.66 Ft L+ "A" LINE, Sta 409+05.79, Elev = 555.83±
(B) - 14.38 Ft L+ "A" LINE, Sta 411+42.00, Elev = 567.75±
(C) - 12.98 Ft R+ "A" LINE, Sta 409+05.77, Elev = 557.50±
(D) - 10.32 Ft R+ "A" LINE, Sta 411+42.66, Elev = 569.32±

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			X	DATE	
PLANS APPROVAL DATE					
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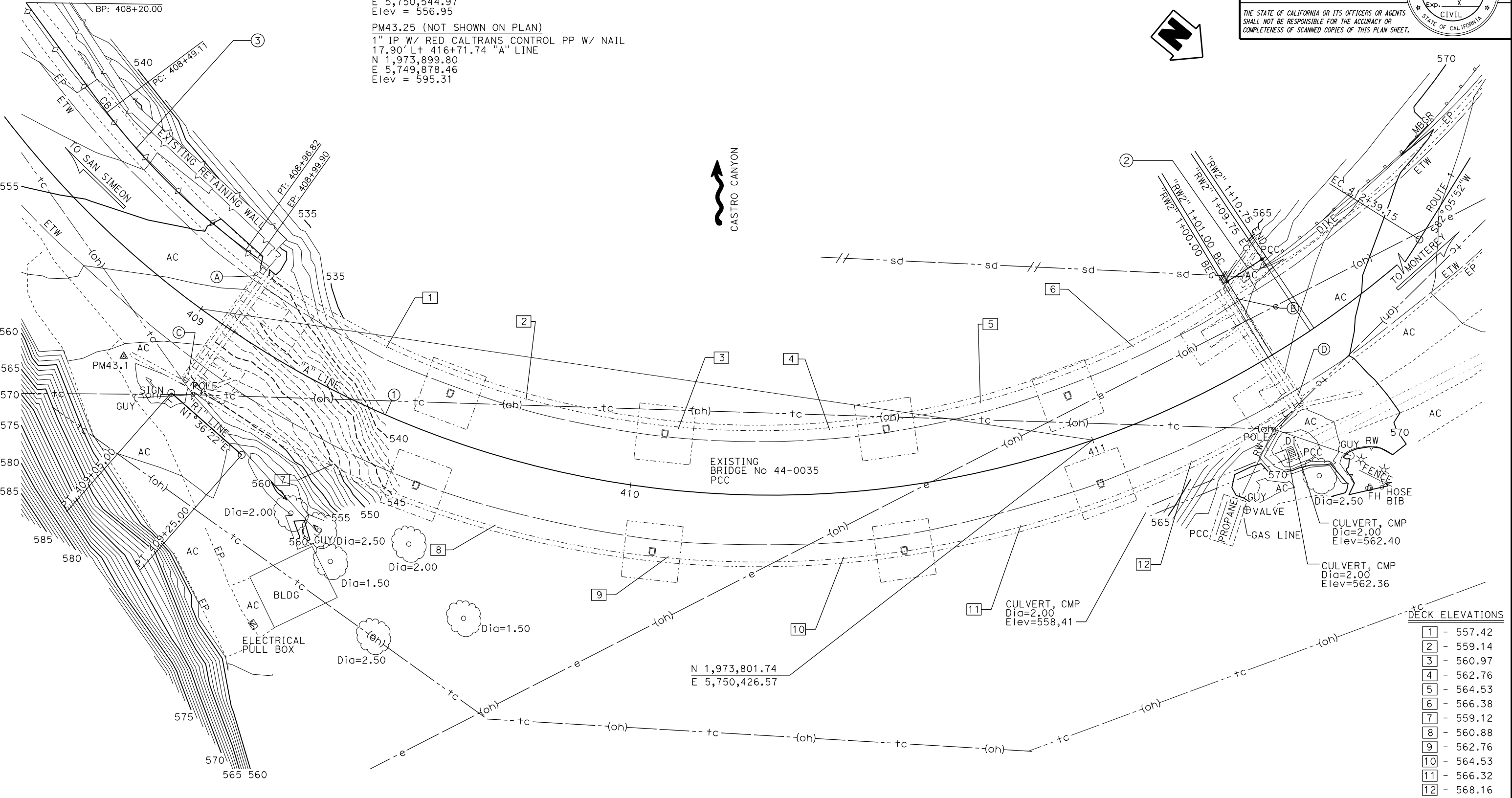
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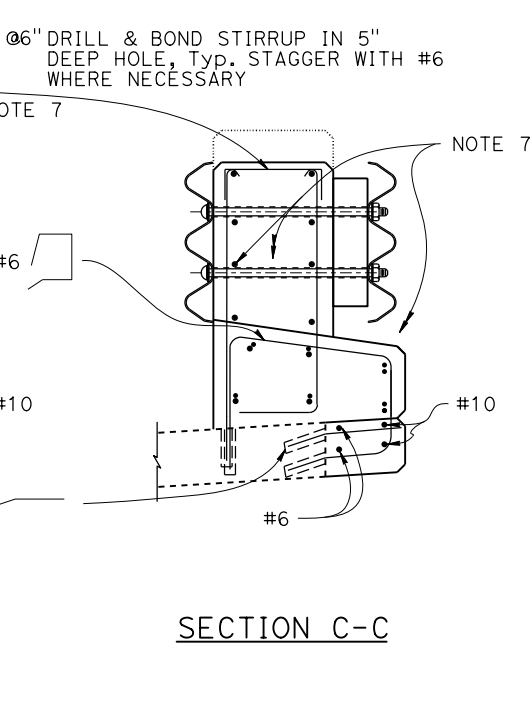
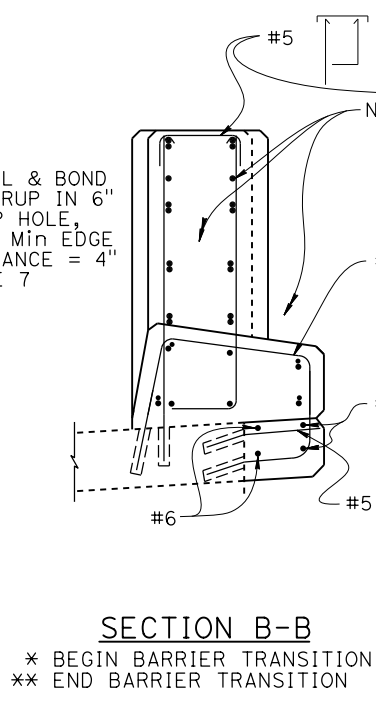
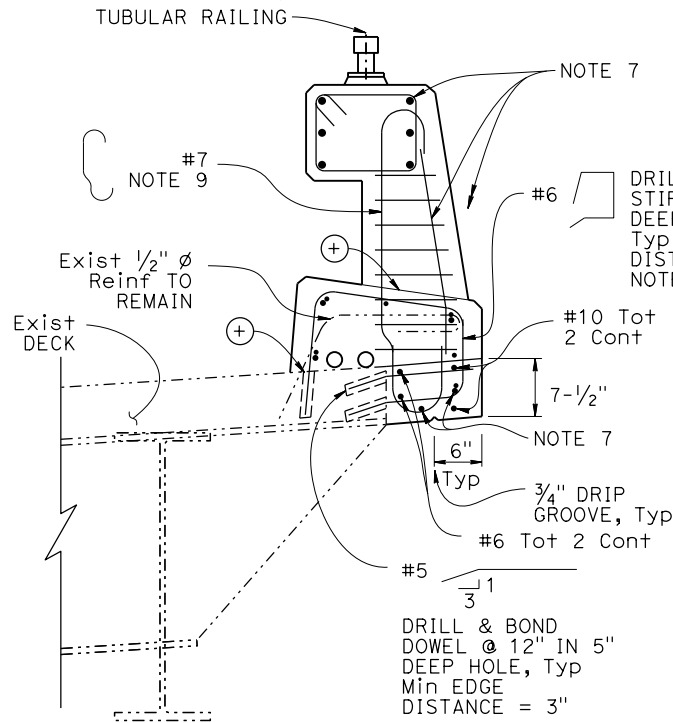
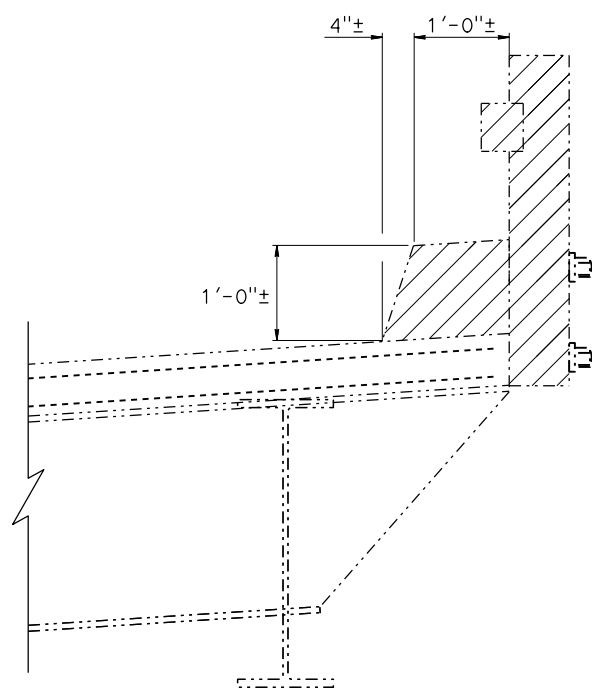
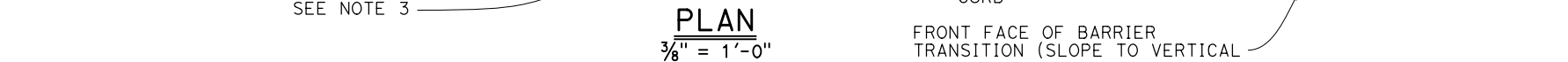
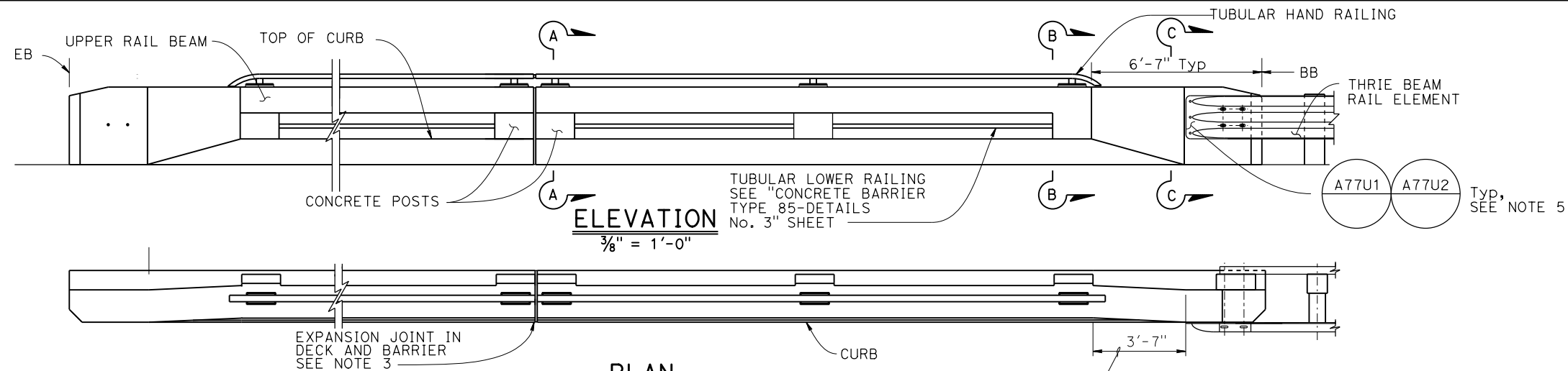
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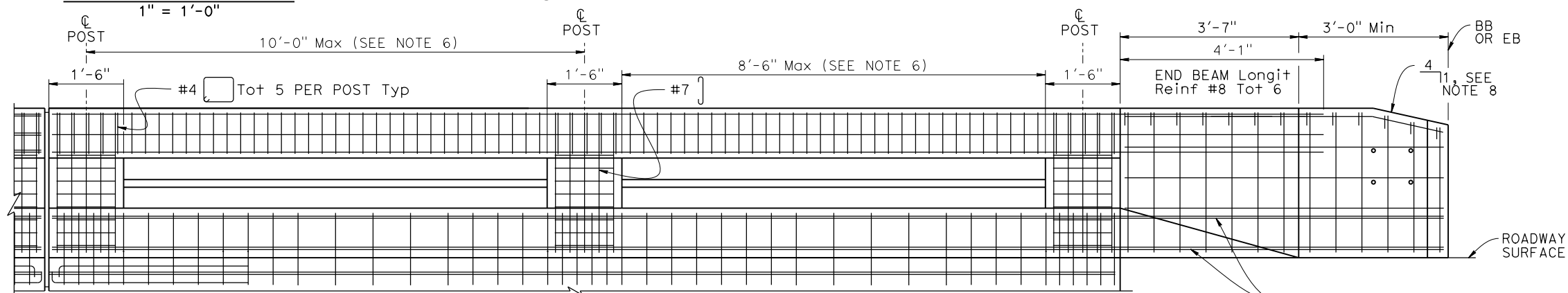
STATE OF CALIFORNIA



PRELIMINARY INVESTIGATIONS BRANCH			DESIGN	BY Rene Coria	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 18	BRIDGE No.	CASTRO CANYON BRIDGE FOUNDATION PLAN						
SCALE: 1" = 10'	VERT. DATUM: NAVD88	SURVEYED	BY DISTRICT	CHECKED E. GONZALES	DETAILS			BY Mohammad Sharif		CHECKED X	44-0035				
	HORIZ. DATUM: NAD83 (1991.35)	DRAFTED	BY T. ZOLNIKOV	CHECKED L. LEW	QUANTITIES			BY Rene Coria		CHECKED X	43.12				
STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REVISION 4/21/2021)			DATE PLOTTED => 2-NOV-2021 FILE => 44-0035-e-fp101.dgn		TIME PLOTTED => 12:03 USERNAME => s151020		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT: 3646 PROJECT NUMBER & PHASE: 05160000811	COUNTY/ROUTE: MON/001 CONTRACT No.: 05-1H4904	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3	OF 17



REMOVAL SECTION



LONGITUDINAL SECTION

(Deck reinforcing not shown)

NOTE: For Reinf SHOWN AND NOT NOTED SEE OTHER DETAILS.

LEGEND:

- Indicates Existing structure
- /// Indicates Bridge Removal (Portion)

NOTES:

- Longitudinal reinforcing steel to stop at all expansion joints.
- The front face dimensions are to be constant above the finish roadway profile, but the overall height will vary with certain thicknesses of surfacing and roadway slopes.
- Expansion joint to match deck joint. See "CONCRETE BARRIER TYPE 85, DETAILS No. 1" sheet for "EXPANSION JOINT DETAIL" and NOTES.
- Splicing in longitudinal rail reinforcing must be staggered.
- For typical metal railing connection details not shown, see Standard Plans A77U1 and A77U2.
- Posts to be spaced equally, typically 10'-0" spacing. Post spacing may be reduced where location of expansion joints or the length of wingwalls will not accommodate the 10'-0" spacing. Maximum see-through availability is to be strived for, where 10'-0" post spacing cannot be achieved.
- For additional reinforcement details, see "CONCRETE BARRIER TYPE 85-DETAILS No. 1 & 2" sheets.
- Taper top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam railing element.
- #7 Rebar may be bent to avoid Exist edge of Deck.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	????	####
REGISTERED CIVIL ENGINEER			DATE		
MM/DD/YYYY			PLANS APPROVAL DATE		
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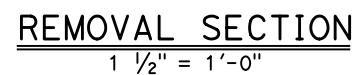
REGISTERED PROFESSIONAL ENGINEER

No. X

Exp. X

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LEFT WIDENING
1 1/2" = 1'-0"

NOTES:

1. For additional reinforcement details, see "CONCRETE BARRIER TYPE 85-DETAILS No. 1 & 2" sheets.
2. #7 rebar may be bent to avoid existing edge of deck.

CASTRO CANYON BRIDGE	
BARRIER DETAILS, LEFT SIDE	

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 12/13/2019)										DATE PLOTTED => 2-NOV-2021										TIME PLOTTED => 12:04										ORIGINAL SCALE IN INCHES FOR REDUCED PLANT										UNIT: 3603										DISGRAPH PRINTS BEARING EARLIER REVISION DATES										REVISION DATES										SHEET										OF									
FILE => 44-0035-f-a01d02.dgn										USERNAME => s151020																				PROJECT NUMBER & PHASE: 0516000081										CONTRACT No.: 05-1H490																				10/9/21										5										17									

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	????	####

REGISTERED CIVIL ENGINEER

DATE

MM/DD/YYYY

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

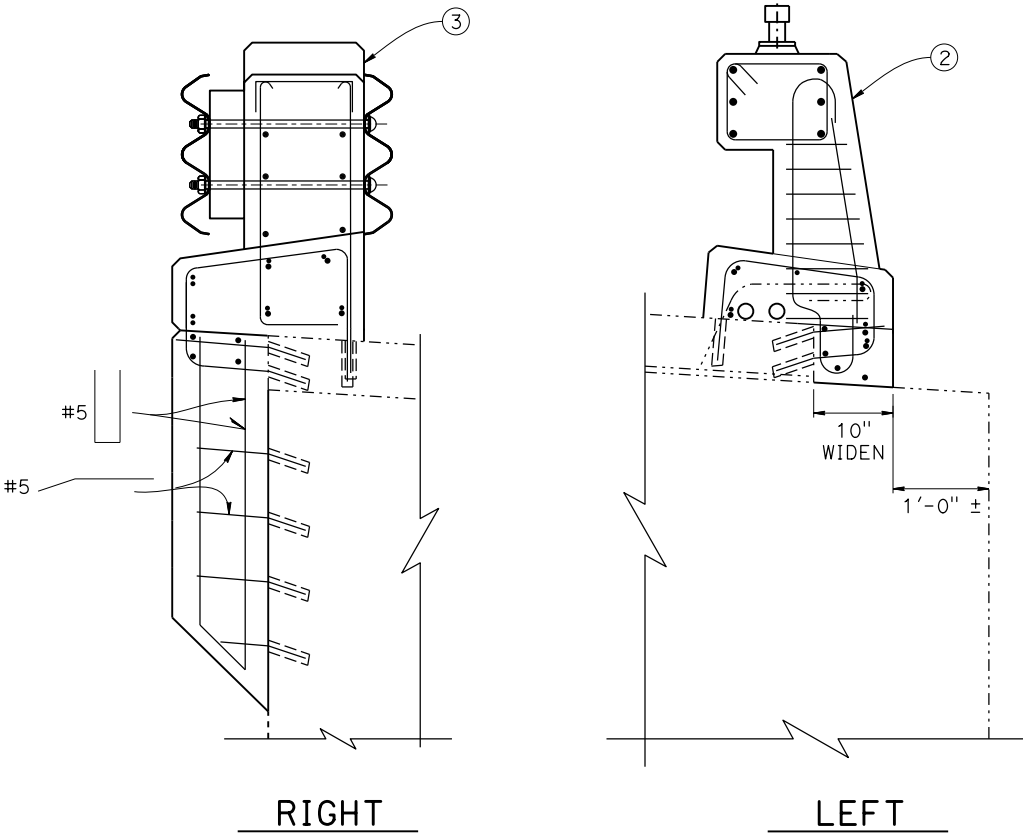
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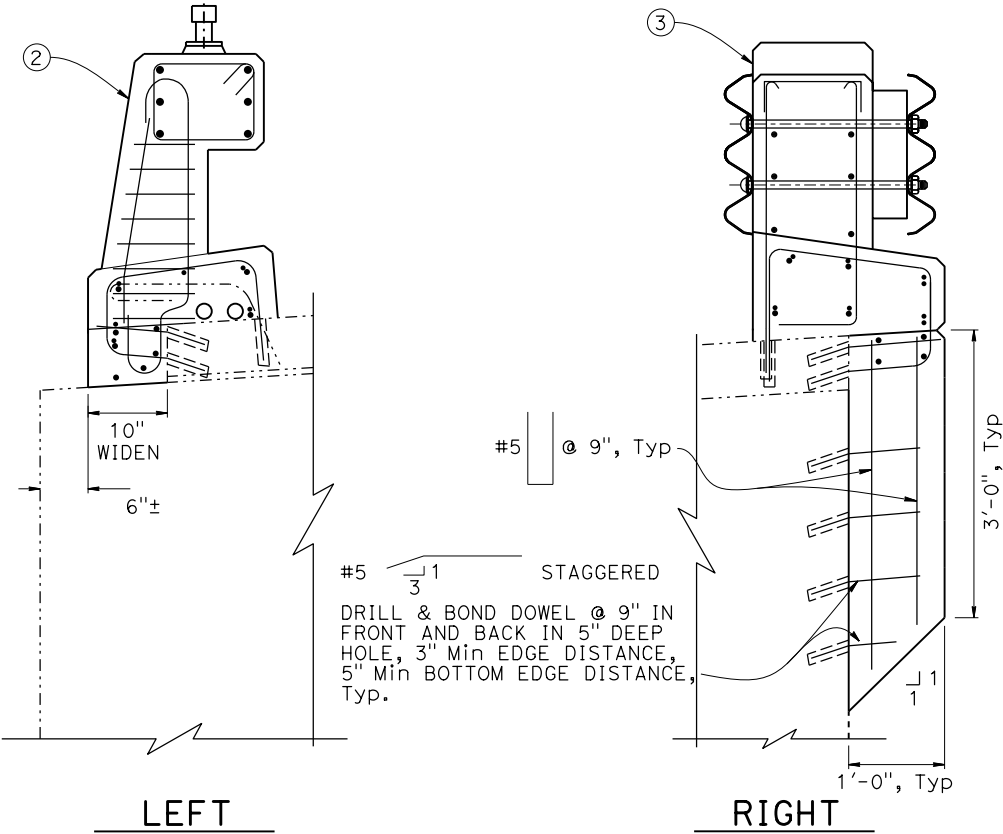
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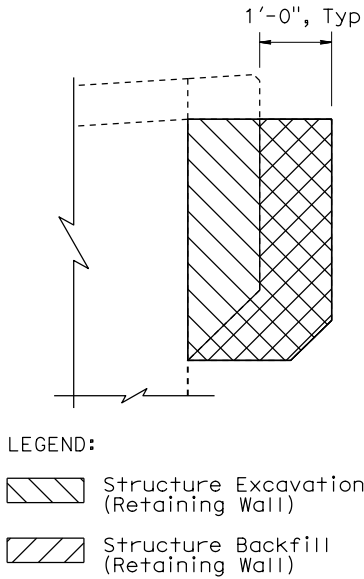
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RECONSTRUCTION
ABUTMENT 1 ELEVATION
1" = 1'-0"



RECONSTRUCTION
ABUTMENT 6 ELEVATION
1" = 1'-0"

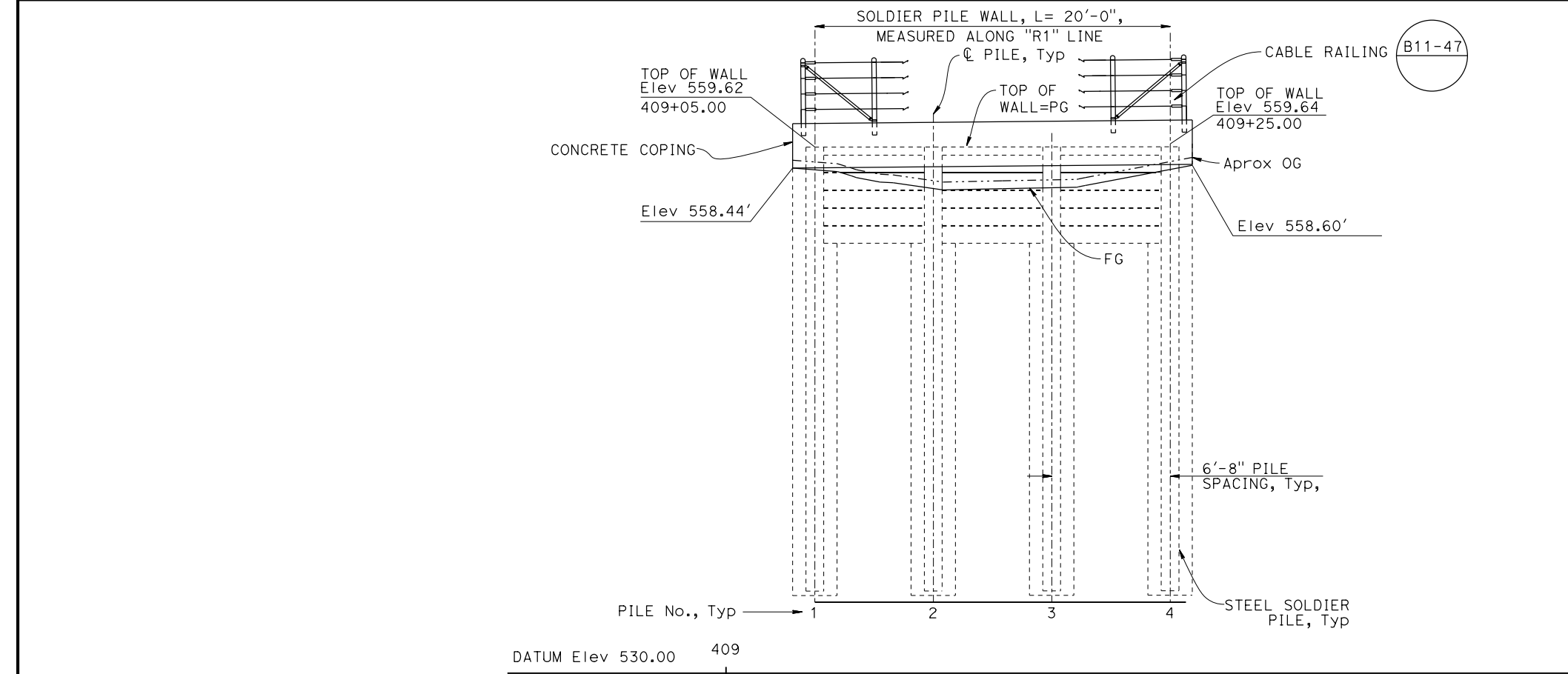


LIMITS OF PAYMENT FOR
EXCAVATION AND BACKFILL
3/8" = 1'-0"

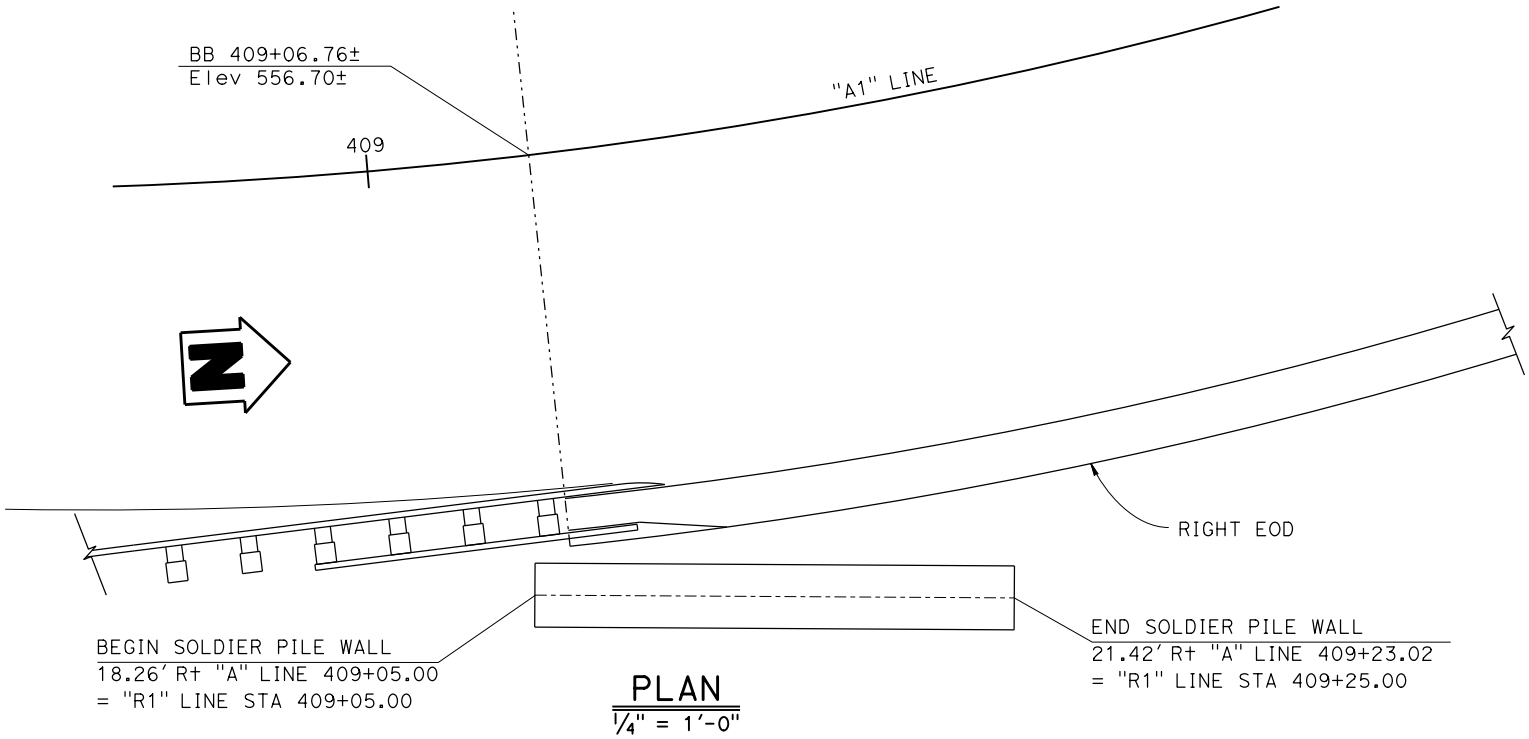
NOTE:
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BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

LEGEND:
----- Indicates Existing structure

- NOTES:
1. Remove Concrete Curb and Timber Rail.
 2. Concrete Barrier Type 85 with tubular bicycle railing, existing reinforcement to remain. See "CONCRETE BARRIER TYPE 85" Sheet for Reinf and additional details.
 3. Concrete Barrier Type 85 transition, see "BARRIER DETAILS, RIGHT SIDE" Sheet, "Detail C-C" for Reinf and additional information.
 4. For Bridge Removal (Portion) at About, see "BARRIER DETAILS, LEFT SIDE" and "BARRIER DETAILS, RIGHT SIDE" Sheets for "REMOVAL SECTION" Details.



MIRRORED ELEVATION
1/4" = 1'-0"



PLAN
1/4" = 1'-0"

NOTE:
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	????	####

REGISTERED CIVIL ENGINEER

DATE

MM/DD/YYYY

PLANS APPROVAL DATE

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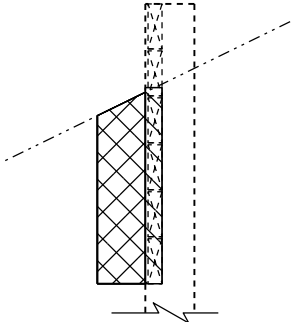
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PILE NO.	1	2	3	4
PILE LENGTH	25	25	25	25
NUMBER OF TIMBER LAGGING BETWEEN PILES	5	5	5	

PILE No.	"R1" LOL STATION	FG Elev	OG Elev ±	TOP OF WALL ELEVATION (ft)
1	409+05.00	558.34	558.88	559.62
2	409+11.67	557.29	557.73	559.63
3	409+18.34	557.33	557.78	559.63
4	409+25.00	558.36	559.04	559.64

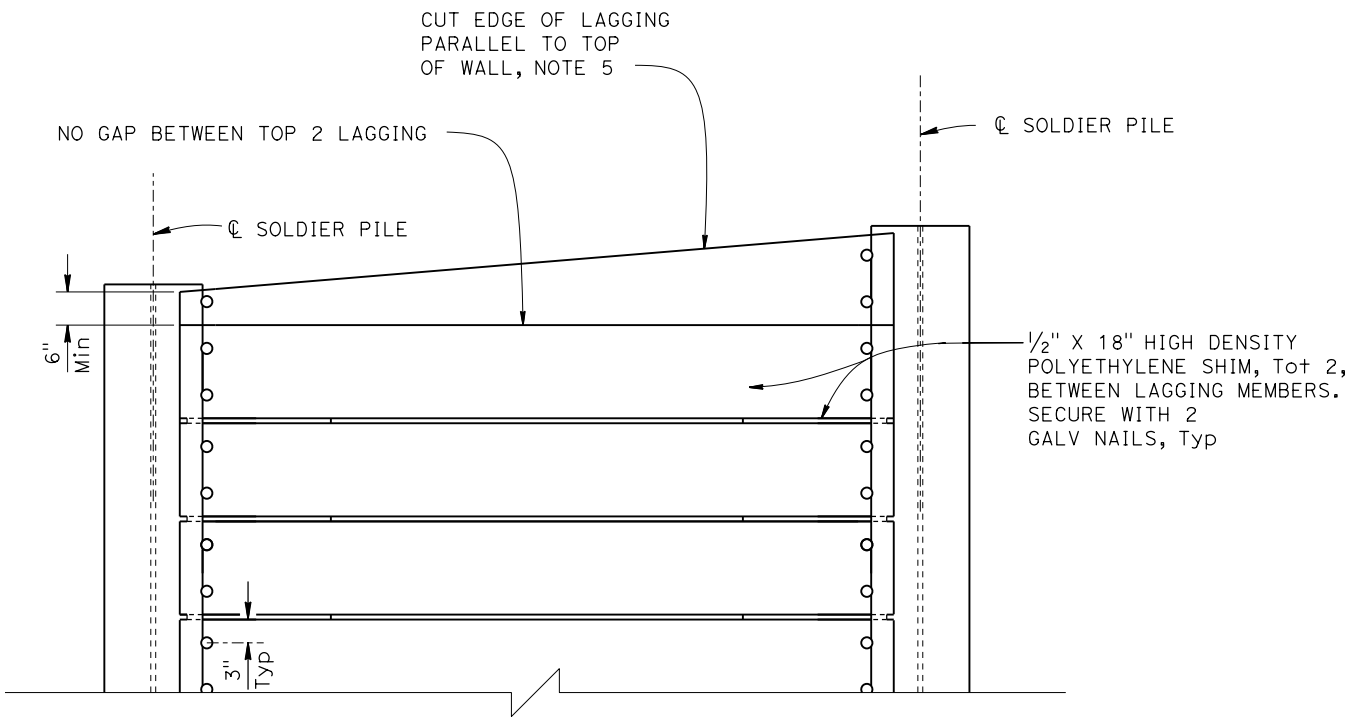


LEGEND:
Structure Excavation
(Retaining Wall)
Structure Backfill
(Retaining Wall)

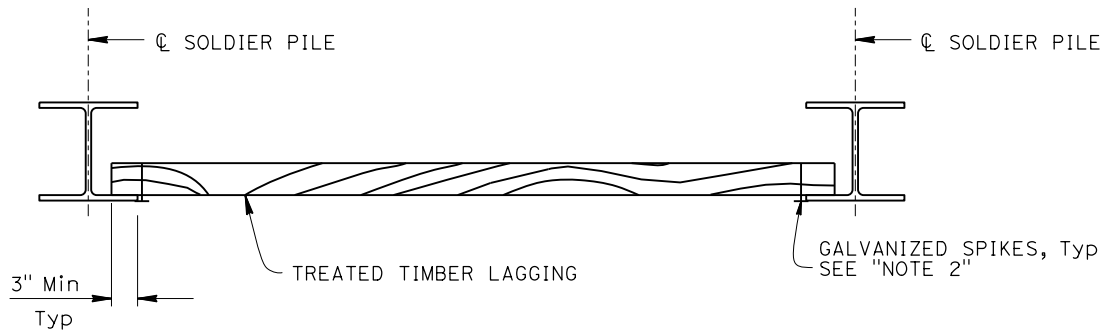
LIMITS OF PAYMENT FOR
EXCAVATION AND BACKFILL
3/8" = 1'-0"

LEGEND:
Denotes Existing

NOTES:
1. See "SOLDIER PILE WALL DETAILS No. 1"
sheet for Soldier Pile Typical Section.

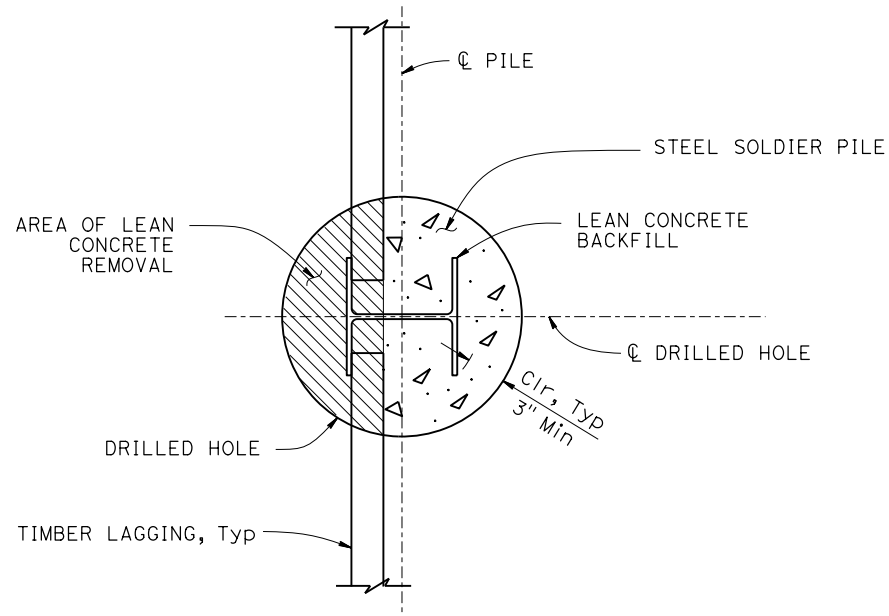


**PART ELEVATION
LAGGING DETAILS**
NO SCALE
NOTE 5

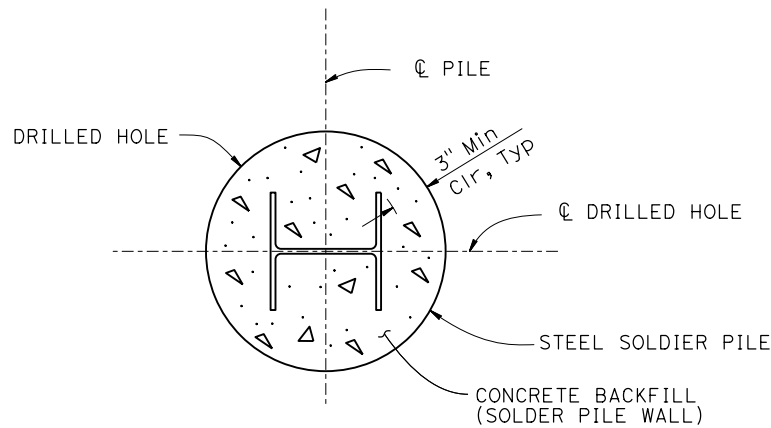


PART PLAN
NO SCALE

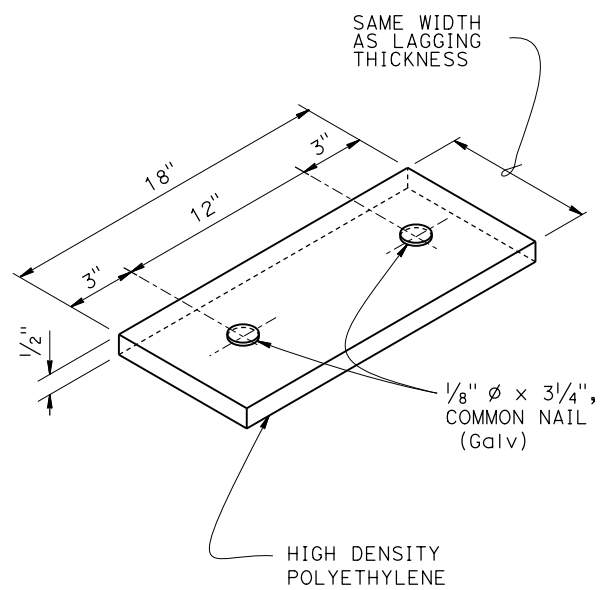
NOTE:
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CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
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SECTION A-A
NO SCALE

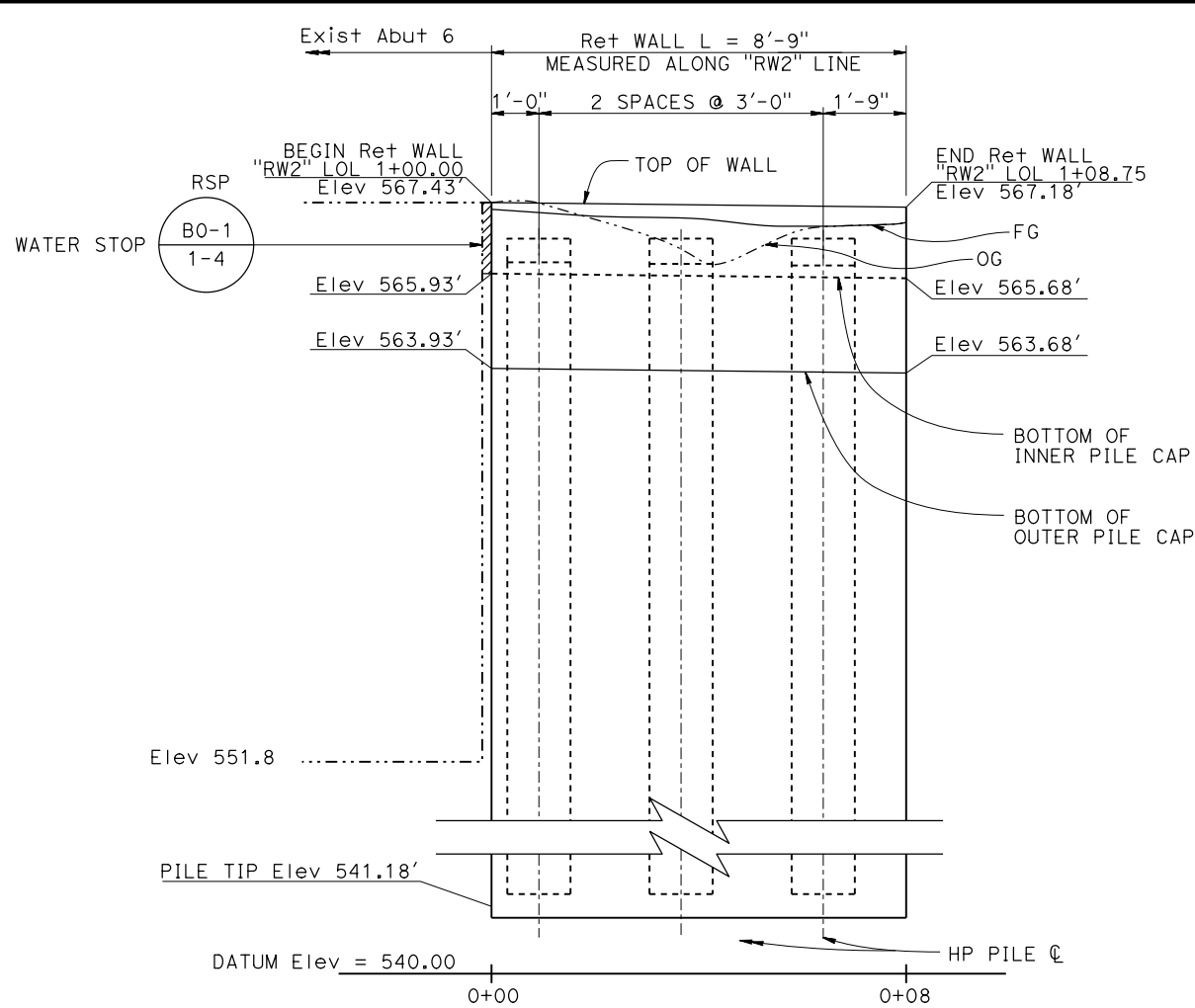


SECTION B-B
NO SCALE



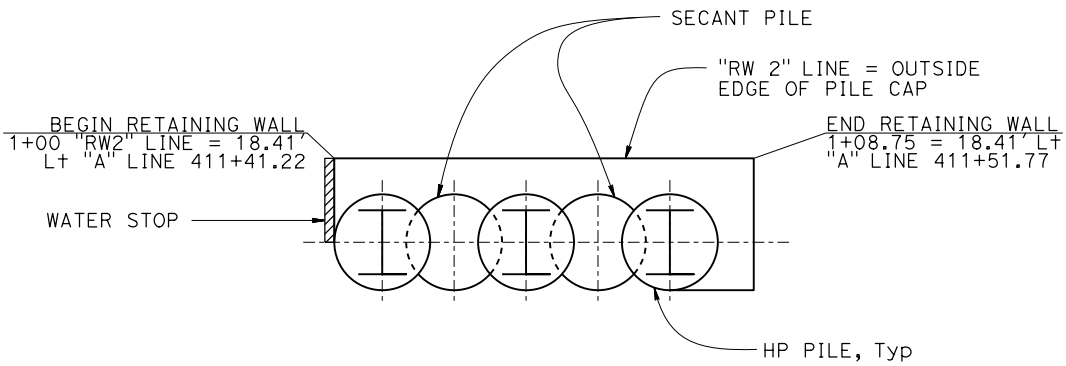
SHIM DETAIL
NO SCALE

- NOTES:
1. No clipping of Timber Lagging Corners.
 2. Use 16d Galv Wire Spikes for 4 X 12 Lagging.
 3. Spikes shall not be bent.
 4. For location of "SECTION A-A" AND "SECTION B-B", see "SOLDIER PILE DETAILS No. 1" Sheet.
 5. Concrete coping not shown for clarity.



MIRRORED ELEVATION

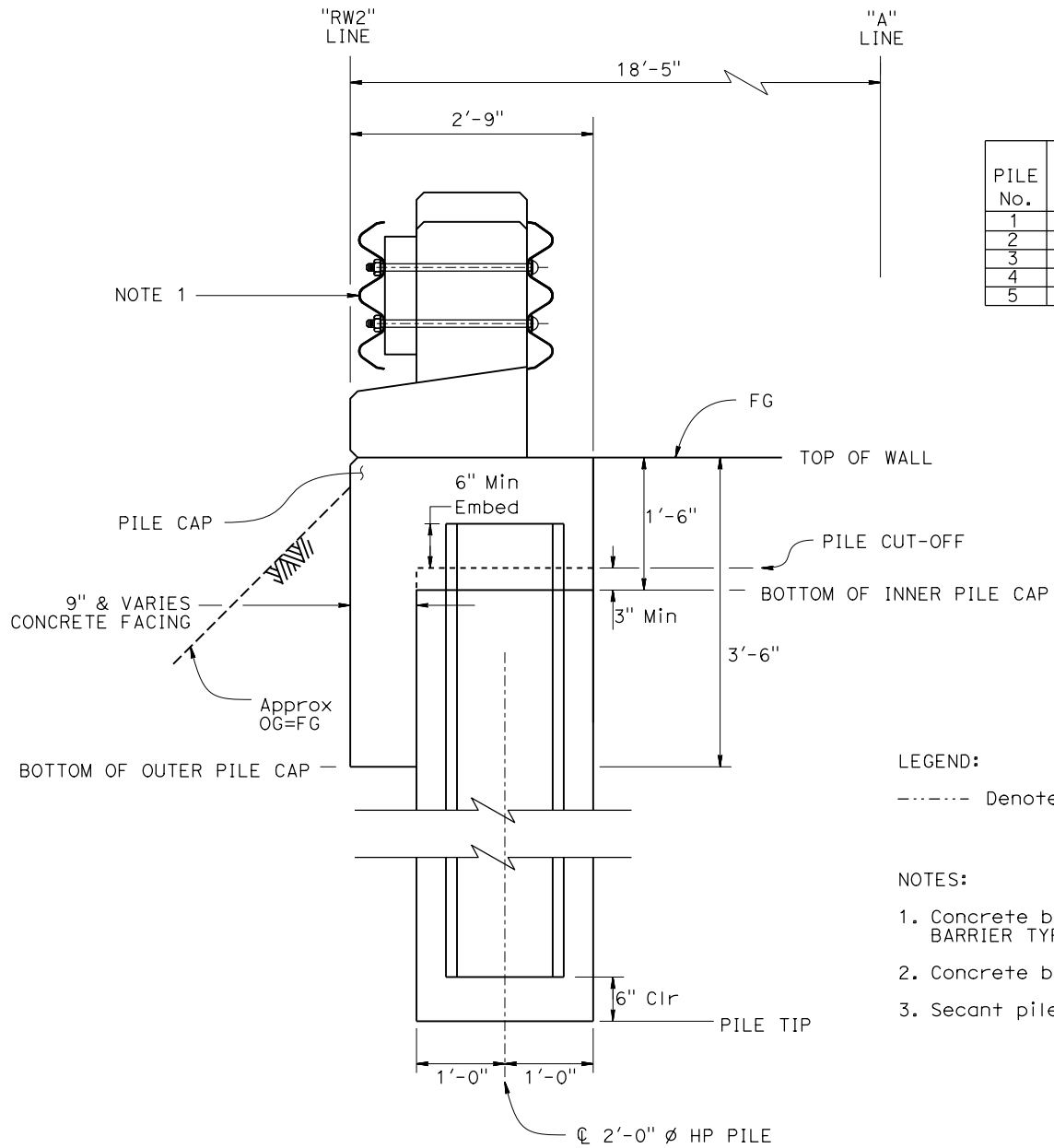
1/2" = 1'-0"
NOTE 2



PLAN

1/2" = 1'-0"

NOTE:
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CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.



TYPICAL SECTION

1" = 1'-0"

LEGEND:
----- Denotes Existing

- NOTES:
- Concrete barrier transition, see "CONCRETE BARRIER TYPE 85 DETAILS 1" sheet.
 - Concrete barrier transition not shown for clarity.
 - Secant piles not shown for clarity.

PILE No.	PILE TYPE	"RW2" STATION	PILE TIP Elev	PILE CUT-OFF Elev
1	HP PILE	1+01.00	541.18	566.18
2	SECANT	1+02.50	541.18	566.18
3	HP PILE	1+04.00	541.18	566.18
4	SECANT	1+05.50	541.18	566.18
5	HP PILE	1+07.00	541.18	566.18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	43.12	????	####

REGISTERED CIVIL ENGINEER

DATE

MM/DD/YYYY

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

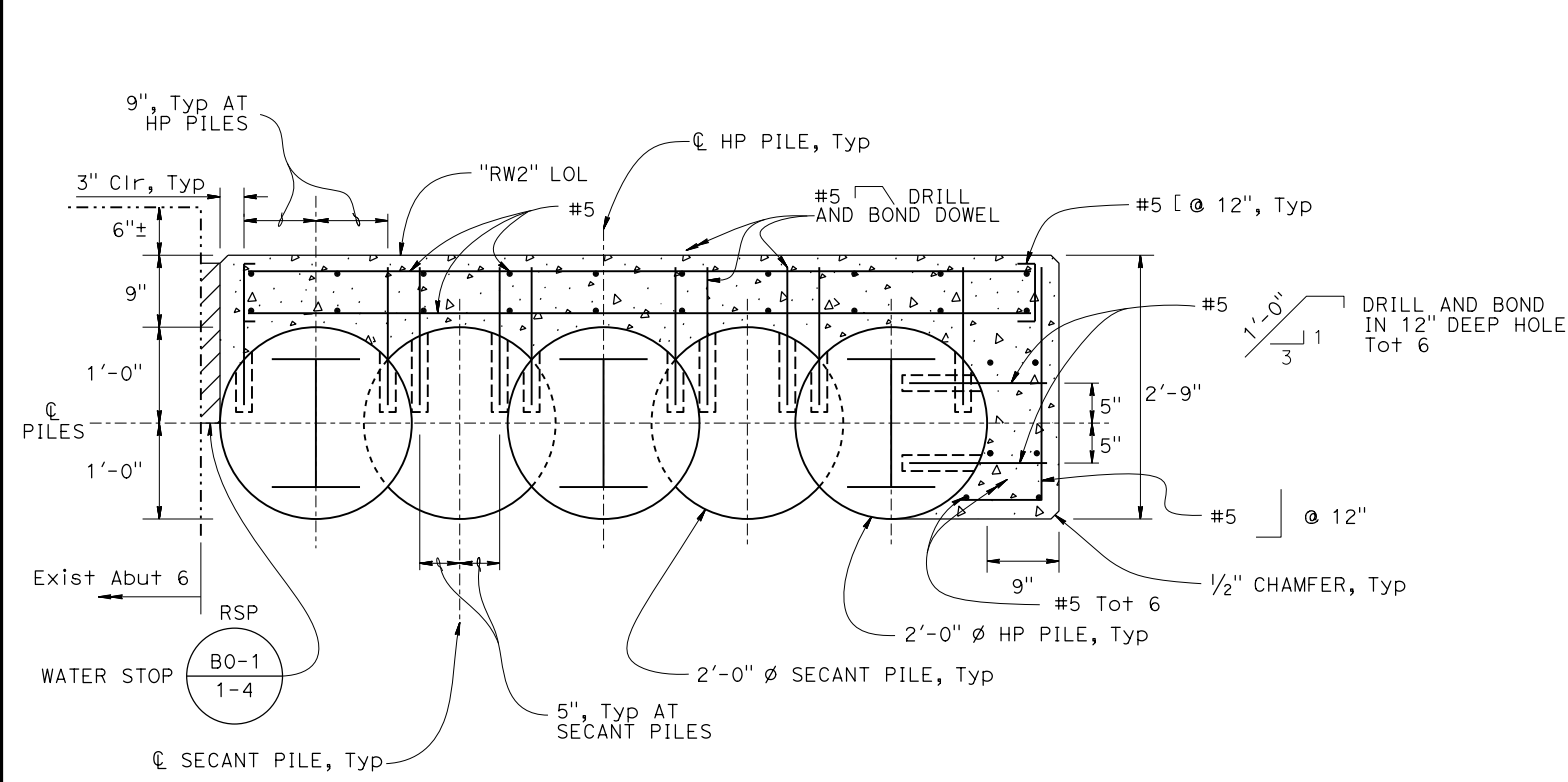
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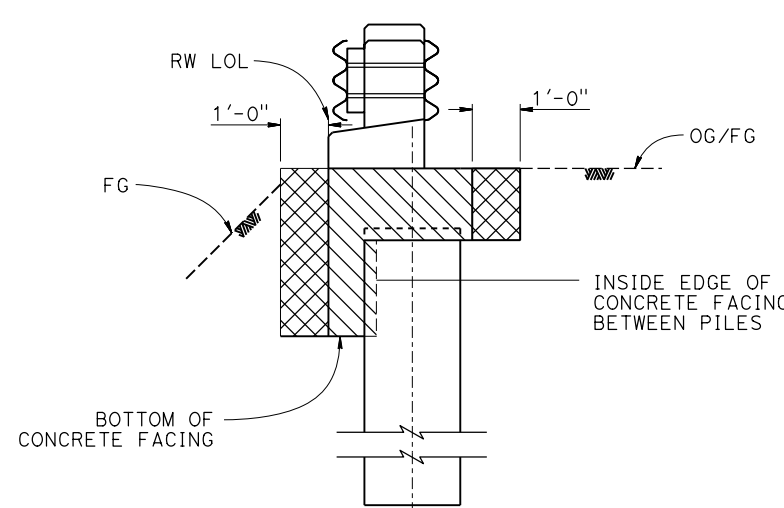
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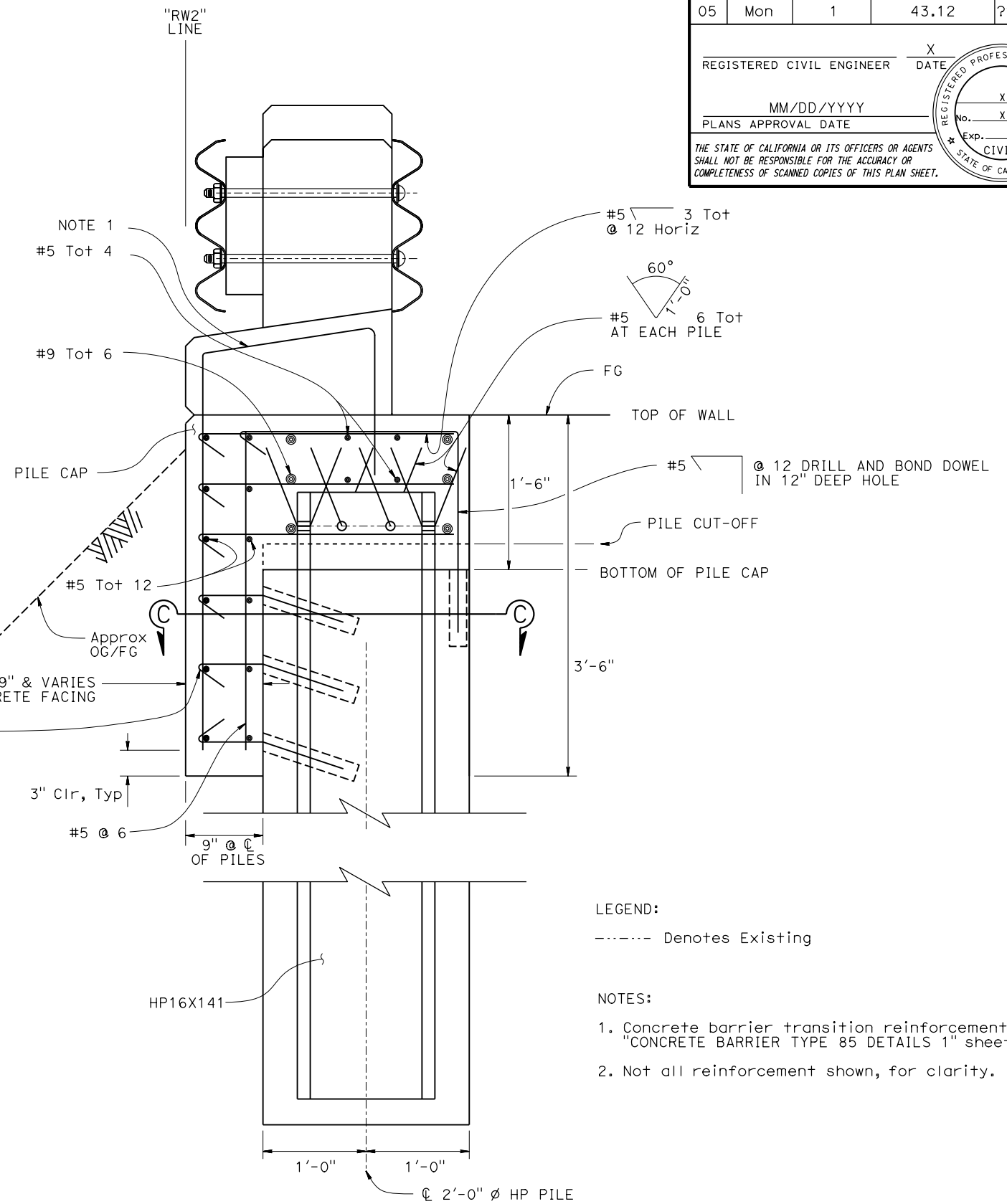
SECTION C-C
1" = 1'-0"
NOTE 2



LIMITS OF EXCAVATION AND BACKFILL
NOT TO SCALE

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

- LEGEND:
- Structure Excavation (Retaining Wall)
 - Structure Backfill (Retaining Wall)



TYPICAL SECTION
1 1/2" = 1'-0"

- LEGEND:
- Denotes Existing
- NOTES:
- Concrete barrier transition reinforcement, see "CONCRETE BARRIER TYPE 85 DETAILS 1" sheet.
 - Not all reinforcement shown, for clarity.

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
NO.

TOTAL
SHEETS

05

Mon

1

43.12

????

####

REGISTERED CIVIL ENGINEER

X
DATE

MM/DD/YYYY

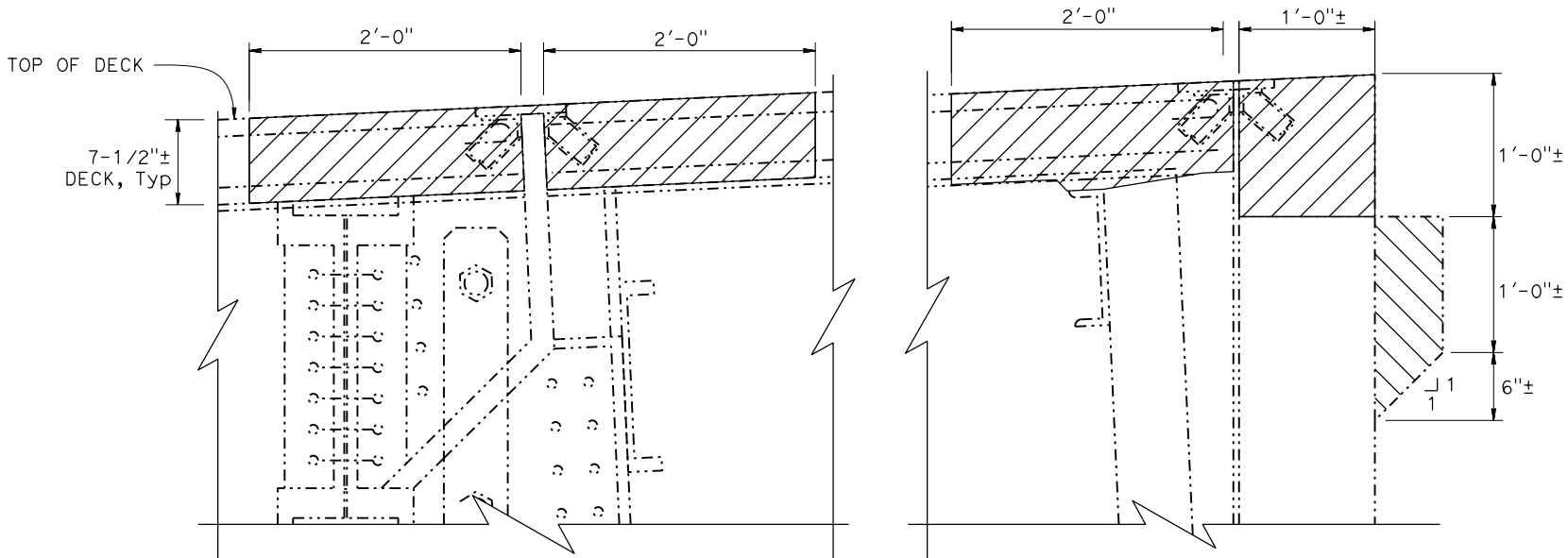
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

X
No. X
Exp. X
CIVIL

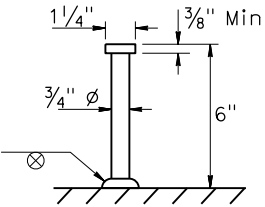
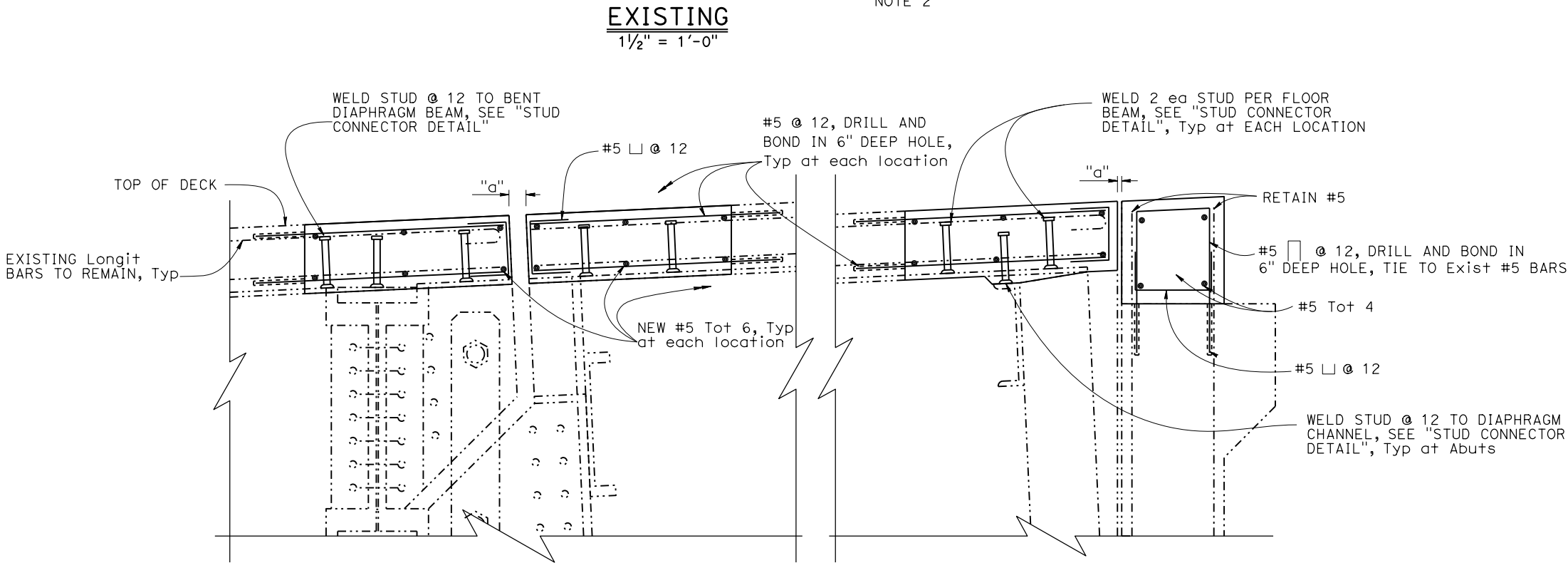
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- LEGEND:
- Indicates Existing
 - Limits of Bridge Removal (Portion), remove Exist concrete, joint armor and transverse steel
 - Limits of Bridge Removal (Portion) of backwall at Secant Wall at Abut 6, W= 3'-6"±
- NOTES:
- Retain all longitudinal steel not show.
 - Abut 6 shown, Abut 1 similar.

JOINT INFORMATION			"a" DIMENSIONS (IN)		
LOCATION	MOVEMENT RATING (MR)	LENGTH (FT)	WINTER	SPRING & FALL	SUMMER
BB	1/2"	35'-6"	3/4"	3/4"	1/2"
EB	1/2"	34'-3"	3/4"	3/4"	1/2"
HINGE	2"	46'-3"	1 1/2"	1 1/4"	3/4"



STUD CONNECTOR
1 1/2" = 1'-0"

NOTE:
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BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	????	####

REGISTERED CIVIL ENGINEER

X

DATE

MM/DD/YYYY

PLANS APPROVAL DATE

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X

No.

X

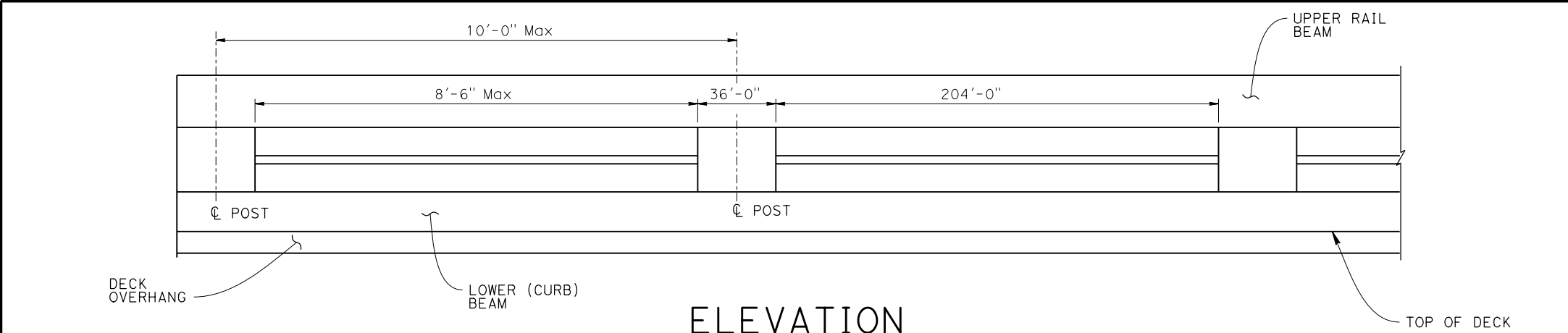
Exp.

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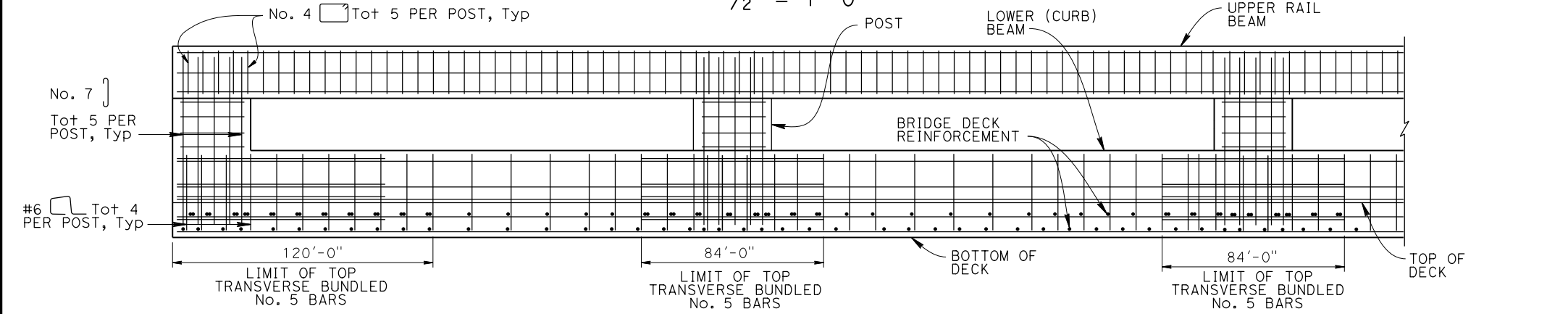
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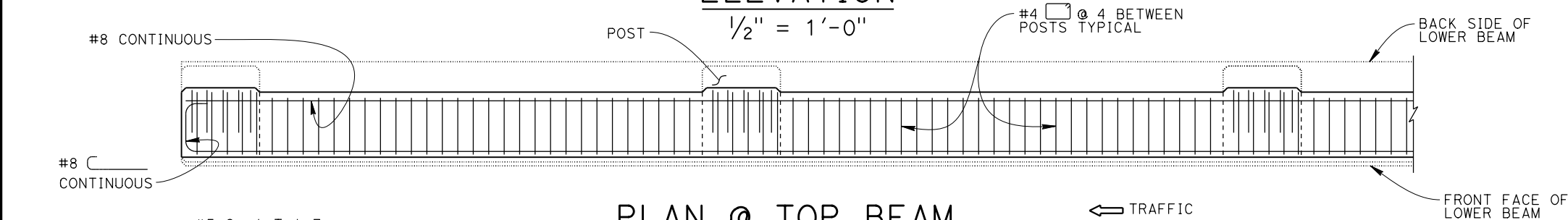
ELEVATION

1/2" = 1'-0"



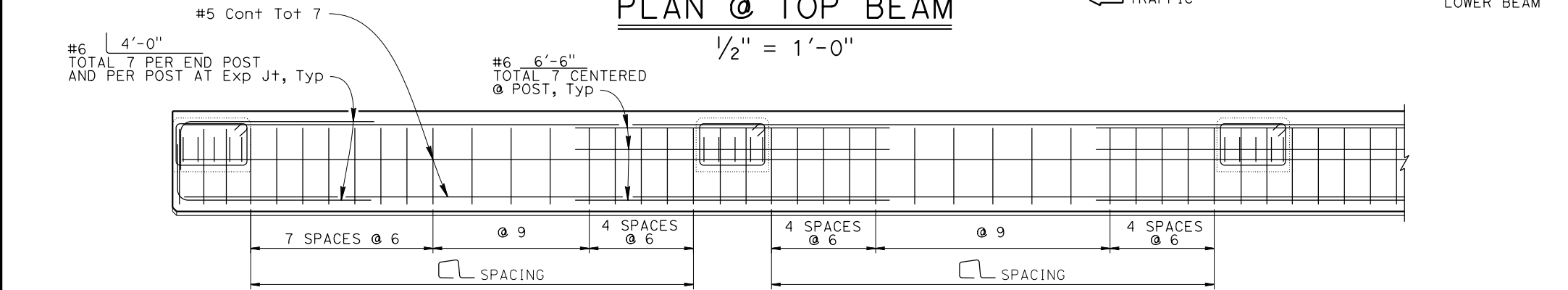
ELEVATION

1/2" = 1'-0"



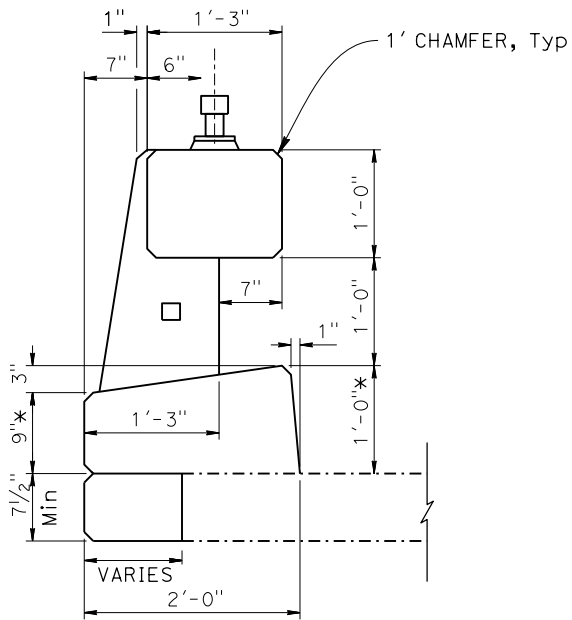
PLAN @ TOP BEAM

1/2" = 1'-0"



PLAN @ BOTTOM (CURB) BEAM

1/2" = 1'-0"



TYPICAL SECTION

NO SCALE

*Dimension may vary with bridge cross-slope and with certain thickness of surfacing. See Structural Plans.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 12/13/2019)	DESIGN	BY Rene Coria	CHECKED Minh Tran	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 18	BRIDGE No.	CASTRO CANYON BRIDGE											
	DETAILS	BY Mohammad Sharif	CHECKED Minh Tran			44-0035												
	QUANTITIES	BY Rene Coria	CHECKED Minh Tran			POST MILE 43.12												
	DATE PLOTTED => 2-NOV-2021 FILE => 44-0035-t-brd02.dgn					TIME PLOTTED => 12:05 USERNAME => s151020		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3603 PROJECT NUMBER & PHASE: 0516000081		CONTRACT No.: 05-1H490		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES		SHEET
														10/9/21			14	17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	43.12	????	####

REGISTERED CIVIL ENGINEER

DATE

MM/DD/YYYY

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

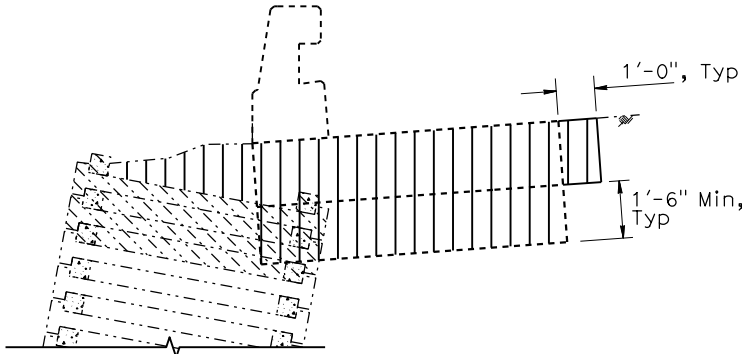
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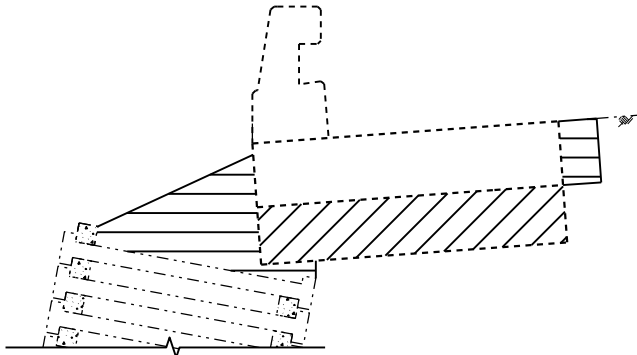
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LIMITS OF EXCAVATION

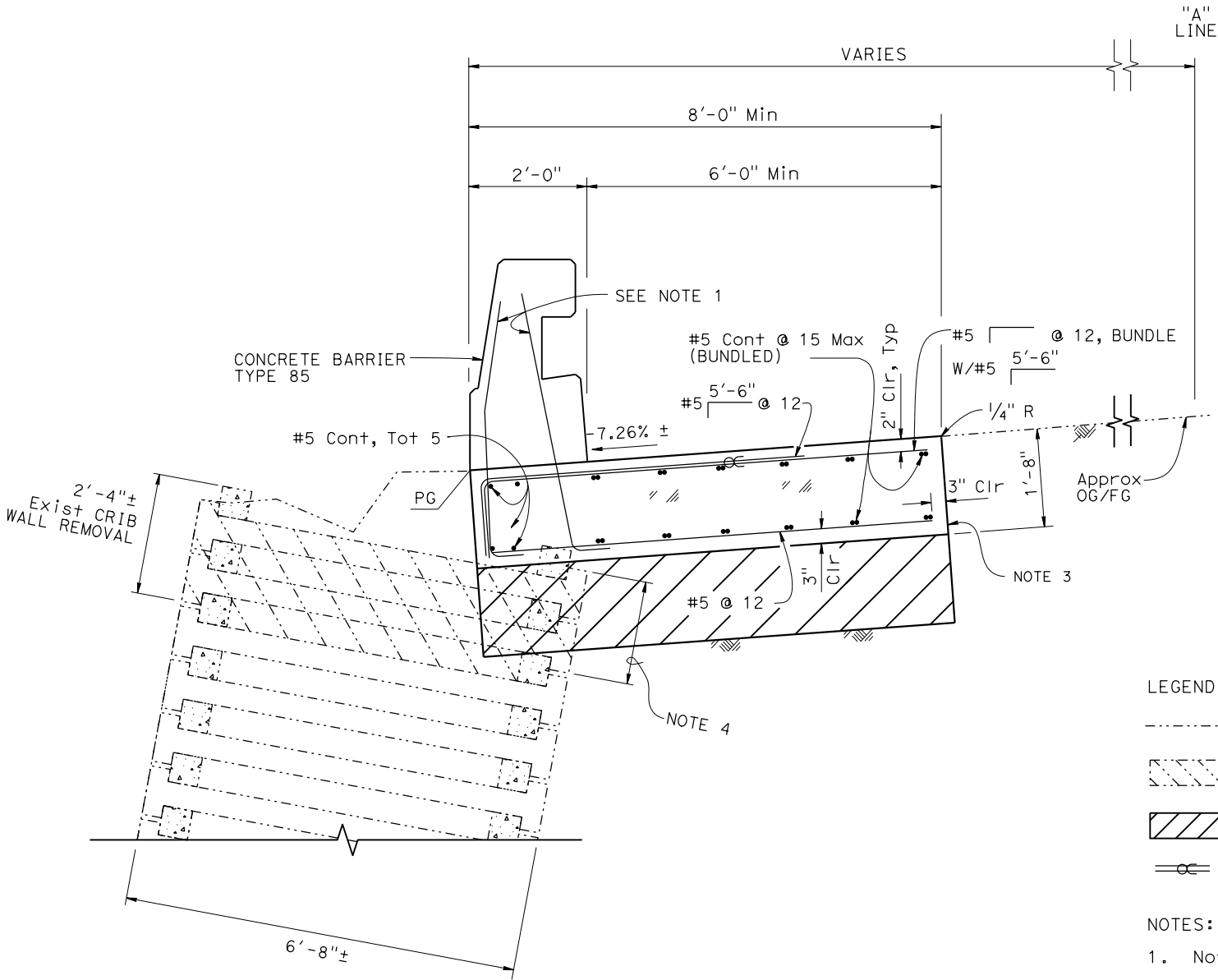


LIMITS OF BACKFILL

- LEGEND:
- Indicates Existing
- EXCAVATION & BACKFILL LEGEND:
- Limits of Structure Excavation
 - Limits of Structure Backfill
 - Limits of Structure Backfill (95% Relative Compaction)
 - Limits of Existing Crib Wall Removal

CONCRETE BARRIER SLAB
LIMITS OF EXCAVATION AND BACKFILL
N.T.S

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



CONCRETE BARRIER SLAB
3/4" = 1'-0"

- LEGEND:
- Denotes Existing Structure
 - Denotes Removal of Existing Crib Wall
 - Denotes Additional Structure Excavation and Backfill
 - Indicates Bundled Bars

- NOTES:
- Not all barrier reinforcement shown.
 - No expansion joints in concrete barrier or barrier slab.
 - Contact joint
 - 1'-6", min Crib Wall Removal below new Barrier Slab

DESIGN	BY Rene Coria	CHECKED Minh Tran
DETAILS	BY Mohammad Sharif	CHECKED Minh Tran
QUANTITIES	BY Rene Coria	CHECKED Minh Tran

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 18

BRIDGE No.
44-0035
POST MILE
43.12

CASTRO CANYON BRIDGE
ADDITIONAL SLAB REINFORCEMENT

DATE PLOTTED => 2-NOV-2021
FILE => 44-0035-w-asr.dgn

TIME PLOTTED => 12:05
USERNAME => s151020

ORIGINAL SCALE
IN INCHES FOR
REDUCED PLANS

0 1 2 3

UNIT: 3603
PROJECT NUMBER & PHASE: 0516000081

CONTRACT No.: 05-1H490

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES

SHEET
16 OF
17

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