

# Exhibit A

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**EXHIBIT A  
DRAFT RESOLUTION**

**Before the Zoning Administrator  
in and for the County of Monterey, State of California**

In the matter of the application of:

**CALIFORNIA DEPARTMENT OF TRANSPORTATION  
(Coastlands II Retaining Wall) (PLN240238)**

**RESOLUTION NO. 25--**

Resolution by the County of Monterey Zoning  
Administrator:

- 1) Considering a previously adopted Mitigated Negative Declaration (SCH No. 2023040738) pursuant to CEQA Guidelines section 15162 and finding that no additional environmental review is required; and
- 2) Approving a Combined Development Permit consisting of:
  - a. Coastal Development Permit for the demolition of a failed retaining wall, construction of a 185 linear foot retaining wall and a 360 linear foot guardrail, restoration of the roadway, and associated site improvements;
  - b. Coastal Development Permit to allow development within the Critical Viewshed; and
  - c. Coastal Development Permit to allow development on slopes in excess of 30%.

[PLN240238 CALIFORNIA DEPARTMENT OF TRANSPORTATION, STATE ROUTE HIGHWAY 1, POST MILE MARKER 44.34, BIG SUR COAST LAND USE PLAN (Assessor's Parcel Numbers: 000-000-000-000)]

**The CALIFORNIA DEPARTMENT OF TRANSPORTATION (Caltrans) application (PLN240238) came on for a public hearing before the County of Monterey Zoning Administrator on May 8, 2025. Having considered all the written and documentary evidence, the administrative record, the staff report, oral testimony, and other evidence presented the Zoning Administrator finds and decides as follows:**

**FINDINGS**

1. **FINDING:** **CONSISTENCY** – The Project, as conditioned, is consistent with the applicable plans and policies which designate this area as appropriate for development.  
**EVIDENCE:** a) During the course of review of this application, 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 (CIP), Part 3; and
- Monterey County Zoning Ordinance (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 regulations in these documents.

- b) The proposed project involves construction of an approximately 185 linear foot soldier pile retaining wall along the southbound lane to restore and protect Highway 1 from sliding at this location. The project would also increase the shoulder width to 4 feet, install a 360 linear foot new barrier system (bridge rail with guardrail approaches) along the length of the project site, and associated site improvements, including roadway restoration and the removal of eight trees. The project also involves development on slopes in excess of 30% and within the Critical Viewshed.
- c) Allowed Use. The property is located along the southbound lane of Highway 1 at Post Mile Marker 44.34, approximately 1.1 miles south of the Pfeiffer Canyon Bridge, Big Sur, Big Sur Coast Land Use Plan. The proposed construction is located within the Caltrans right-of-way, and the zoning is unclassified. Post Mile Marker 44.34 is located adjacent to Assessor's Parcel Number 420-171-006-000, 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 repair a failed retaining wall at this location, install a needed barrier system, and preserve utility and public access to the Big Sur area. See also subsequent Evidence "d". Therefore, the project is an allowed land use for this site.
- d) Highway 1. Big Sur Coast (BSC) 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 traffic capacity (Policies 4.1.2.1 and 4.1.3.A.1). The 360 linear foot barrier system will connect to the southern end of the Coastlands I barrier system. 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. Also see subsequent Evidence "j".
- e) Design. Pursuant to Title 20 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 retaining wall would be constructed with 24 steel piles, with timber lagging inserted in between the piles, and ground or soil anchors drilled into the slope. The proposed ST-75 barrier rail is consistent with the barrier rail that was previously approved and installed adjacent to the project site (Coastlands I retaining wall [HCD-Planning Project File No. PLN200098]) and shall be darkened or stained to reduce glare and blend with the environment to be consistent with BSC LUP Policy 3.2.4.A.3. This guardrail is



needed to better protect the traveling public. The proposed barrier rail will also eliminate the need for crash cushions at the southern end of the Coastlands I retaining wall and the northern end of the Coastlands II retaining wall. The proposed colors and materials would be consistent with other retaining walls constructed along the highway facility and within the vicinity, and would blend with the surrounding environment. As proposed, the project assures protection of the public viewshed and visual integrity. See all Finding 6 and subsequent evidence.

- f) Cultural Resources. The project site is in an area identified in County Records as having a high archaeological sensitivity. Pursuant to the CIP Policy 20.145.120.B, an archaeological report (LIB250025 – see Finding 2, Evidence “b”) was prepared for the site and submitted to the County for review. The report concluded that there is no background or surface evidence of potentially significant archaeological resources, and 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 condition, which requires the contractor to stop work if previously unidentified resources are discovered during construction.
- g) Biological Resources. Consistent with the applicable goals and policies of the 1982 Monterey County General Plan (1982 GP); BSC LUP; CIP; and Title 20, a biological assessment (LIB250026 – see Finding 2, Evidence “B”) has been provided with the application. Four separate biological surveys were conducted at the project site on April 2, May 10, July 8, and November 3, 2022, with the purpose of identifying potential special status species, primarily focusing on Smith’s blue butterfly and California red-legged frog. The surveys were also conducted to identify habitat areas, determine whether special status species are present, and identify potential impacts with implementation of the project. The surveys yielded no results for special status species, sensitive habitat, or actively nesting birds. The proposed project will not adversely impact or affect the environment and is not known to occur within 100 feet of Environmentally Sensitive Habitat Area. In accordance with the Migratory Bird Treaty Act, a pre-construction nesting survey will be required through implementation of the County’s standard condition.
- h) Tree Removal. The project, as proposed, includes the removal of eight trees (five Monterey cypress, two Coast live oak, and one Buckeye tree). Pursuant to BSC LUP Policy 5.4.2.13, CIP section 20.145.060.A.1 and Title 20 section 20.70.025, a Coastal Development permit is required for the removal of trees with the following exceptions: removal of planted trees, and removal of trees with a diameter of 12” or less at breast height. An arborist report (LIB250024 – see Finding 2, Evidence “b”) identified that six of the eight trees (three Monterey cypress, two Coast live oak, and one Buckeye) as less than 12” in diameter and are therefore exempt from needing a Coastal Development Permit. The report also identified that the remaining two trees (Monterey cypress) were previously planted trees. Therefore, a

discretionary permit is not required for the removal of these trees either. There are no landmark native trees proposed for removal in accordance with BSC CIP section 20.145.060.D. The Mitigated Negative Declaration adopted by Caltrans (see Finding 7 and supporting evidence) requires revegetation for aesthetic and slope stabilization purposes, as well as to provide screening from the retaining wall from nearby residences. Five trees (four Coast live oak and one Buckeye) will be replanted and monitored through the County's standard conditions for landscape maintenance.

- i) Critical Viewshed. The project includes a Coastal Development Permit to allow development within the Big Sur Critical Viewshed. BSC LUP Policy 3.2.5.C.1 allows an exception to Critical Viewshed Key Policy 3.2.1 for safety improvements of a public highway. As proposed, the project would stabilize the public highway from slide activity at this location. Additionally, the structure would be consistent with other retaining walls constructed along the Big Sur Highway and within the vicinity, and the proposed materials would blend with the surrounding environment. Therefore, the County finds that the proposed project minimizes development within the Big Sur Critical Viewshed, and meets the intent of the applicable policies regarding visual resources. See also Finding No. 5 and supporting evidence.
- j) Development on Slopes in Excess of 30%. Development on slopes that exceed 30% is prohibited unless there is no feasible alternative that would allow development to occur on slopes of less than 30%, or the proposed development better achieves the goals, policies and objectives of the Monterey County General Plan and applicable land use plan than other development alternatives. See Finding No. 6 and supporting evidence.
- k) Big Sur Coast Highway Management Plan. The primary goals of the Big Sur Coast Highway Management Plan (BSCHMP) are the following: maintaining the road in a safe operating condition, supporting the traveler experience, protecting corridor resources, and providing for a balanced, coordinated, action-oriented approach to achieving the corridor vision. The project, as proposed, is consistent with the BSCHMP as the repair of the failed retaining wall at this location and installation of a needed barrier system to preserve utility and public access to the Big Sur area while also protecting resources and providing a balanced, coordinated approach to the corridor's vision. The proposed retaining wall and guardrail are consistent with other retaining walls found along this corridor (ST-75 guardrail) and will consist of colors and materials identified in the BSCHMP. The guardrail's steel horizontal rails will be darkened or stained to maintain the rustic look of the Big Sur Highway (see also Evidence "e").
- l) Land Use Advisory Committee (LUAC) Review. 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 LUAC reviewed the project on December 10, 2024, at a duly-noticed public meeting, and voted unanimously (5-0) to support the project with the

- recommendation for a 5 year landscape monitoring plan to include the removal of invasive species such as jubata grass from the project area.
- m) The project planner conducted a site inspection on October 3, 2024 to verify that the project on the subject parcel conforms to the plans listed above.
  - n) The application, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning found in Project File PLN240238.

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

- EVIDENCE:**
- a) The project has been reviewed for site suitability by the following departments and agencies: HCD-Planning, HCD-Engineering Services, HCD-Environmental Services, Environmental Health Bureau, and CalFire Big Sur (Fire Protection District). County staff reviewed the application materials and plans to verify that the project on the subject site conforms to the applicable plans and regulations, and there has been no indication from these departments/agencies that the site is not suitable for the development. Conditions recommended have been incorporated.
  - b) Staff identified potential impacts to biological resources, cultural resources, impacts to soils/slope stability, and to native trees. The following reports have been prepared:
    - “Arborist Report” (LIB250024) prepared by Jake Minnick, Registered Landscape Architect 6426, Caltrans District 5 Landscape Architecture Branch, San Luis Obispo, CA, August 2024.
    - “Archaeological Report” (LIB250025) prepared by Shelly Donohue, Engineering Geologist, District 5 Environmental Engineering, San Luis Obispo, CA, December 19, 2022.
    - “Natural Environmental Study (Biological Assessment)” (LIB250026) prepared by Shelby Sanchez, Environmental Biologist, District 5, San Luis Obispo, CA, February 27, 2023.
    - “Geotechnical Report” (LIB250027) prepared by Ryan Turner, Senior Transportation Engineer, Geotechnical Design West Branch, San Luis Obispo, CA, March 16, 2022.

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. All development shall be in accordance with these reports.

- c) Staff conducted a site inspection on October 3, 2024 to verify that the site is suitable for this use.
- d) The application, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning found in Project File PLN240238.

**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, HCD- Engineering Services, HCD-Environmental Services, Environmental Health Bureau, and the CalFire Big Sur (Fire Protection District). The respective agencies have recommended conditions, 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 stabilize an approximately 0.1 mile stretch of Highway 1 that is currently facing ongoing landslide issues. The project is necessary to maintain roadway services 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, 5, 6 and 7, and supporting evidence.
  - e) The application, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning found in Project File PLN240238.

- 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 County of Monterey HCD-Planning and HCD-Building Services records and is not aware of any violations existing on subject property.
  - b) There are no violations on the subject parcel or project site.
  - c) The application, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning found in Project File PLN240238.

- 5. 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 proposed project includes development within the Big Sur Critical Viewshed. In accordance with the applicable policies of the LUP and Title 20, a Coastal Development Permit is required, and the authority to grant said permit has been met.
  - b) The proposed project involves the construction of an approximate 185 linear foot soldier pile retaining wall along the southbound lane to restore and protect the highway facility from the existing failed retaining wall at this location. The project would also increase the shoulder width to 4 feet, and install a new 360 linear foot barrier system

(guard rail). This guardrail will connect to the existing guardrail just north of the project site (Coastlands I retaining wall) (see Finding 1, Evidence “e”). As proposed, the development would be consistent with other retaining walls and guard rails constructed along the highway facility and within the vicinity, and the proposed materials would blend with the surrounding environment.

- c) Staff reviewed plans of the proposed development, as well as aerial imagery of the site and surrounding area, to assess the potential viewshed impacts of the project and ensure consistency with applicable LUP and CIP policies. LUP Policy 3.2.5.C.1 and CIP section 20.145.030.B.3 allow exceptions to development within the Critical Viewshed 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. Policy 4.1.3 states that in order to maximize vehicular access to the Big Sur Coast, the width of Highway 1 should be upgraded to a standard of 12-foot lanes and 2-4 foot shoulders where physically practical and consistent with the preservation of other coastal resource values. The project is consistent with these policies. The project is a safety improvement that, as proposed, will maintain the roadway and its continued use as a two-lane highway for access to the Big Sur community, as well as maximizing vehicular access by widening the lanes to 12 feet and providing a 4 foot shoulder. The ST-75 guardrail allows for continuous visual passthrough and will not significantly impede on existing ocean and Big Sur coastline views pursuant to LUP Policy 3.2.3.A.4. In addition to the BSC LUP, the project is also consistent with the primary goals of the Big Sur Coast Highway Management Plan (BSCHMP), and as proposed, is consistent as the repair of the failed retaining wall at this location and installation of a needed barrier system to preserve utility and public access to the Big Sur area while also protecting resources and providing a balanced, coordinated approach to the corridor’s vision (see also Finding 1, Evidence “k”).
- d) Construction of the proposed retaining wall and guard rail is the minimum necessary to assure continued access for residents and emergency responders. The removal of five Monterey cypress trees, which are not native to this specific area of Big Sur and were previously planted (see Finding 5 and subsequent evidence) to block private views from the previously existing retaining wall. The replanting of five trees (four Coast live oak and one Buckeye tree) will help screen the retaining wall’s visibility from nearby residences, and will allow for continued ocean views from the highway facility.
- e) The project, as proposed and conditioned, is consistent with policies of the LUP relative to 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 County of Monterey HCD-Planning for the proposed development are found in Project File PLN240238.

**6. FINDING: DEVELOPMENT ON SLOPES EXCEEDING 30 PERCENT –**

There is no feasible alternative that would allow development to occur on slopes of less than 30 percent, and the project better meets the goals and policies of the Big Sur Coast LUP and 1982 General Plan.

- EVIDENCE:**
- a) Pursuant to the policies of the 1982 General Plan, LUP and Title 20, a Coastal Development Permit is required for development on slopes in excess of 30% and the criteria to grant said permit have been met.
  - b) The project includes development on slopes exceeding 30 percent to allow construction of a 185 linear foot retaining (soldier pile) wall. Pursuant to General Plan Policy 26.1.10, applicable LUP policies, CIP Section 20.145.140.A.4.a & b, and Title 20 section 20.64.230, development on slopes that exceed 30 percent is prohibited unless there is no feasible alternative that would allow development to occur on slopes of less than 30 percent; or the proposed development better achieves the objectives of the Big Sur Coast Land Use Plan and applicable development standards. In this case, there are no feasible alternative building sites that would avoid development on slopes that exceed 30 percent, and the proposed project better meets the public health and safety policies of the Big Sur Coast LUP.
  - c) The project site slopes steeply down (west) from Highway 1. Based on site topography, the construction of the required retaining wall is not feasible without encroaching into slopes exceeding 30 percent. The proposed development is necessary to protect the highway facility from further slide and scour activity at this location. Winter storms have caused erosion of the southbound roadway embankment slope, and failure of approximately 100 feet of the current retaining wall embankment and shoulder. Without the retaining wall, the area below the highway would continue to be vulnerable to further sloughing, which could undermine and potentially close the highway.
  - d) As proposed, the subject project minimizes development on slopes exceeding 30 percent in accordance with the applicable goals and policies of the LUP. The proposed length and height of the retaining wall are the minimum necessary to prevent further slide activity at this location and to ensure continued access to the coastline.
  - e) The Zoning Administrator shall require such conditions of approval and changes in the development as deemed necessary to assure compliance with Title 20 section 20.64.230.E.1 and to assure stability of the development. No special conditions are necessary for this project. Additionally, during construction, the contractor will be required to comply with applicable State building code requirements and resource protection measures.
  - f) The application, plans, and supporting materials submitted by the project applicant to County of Monterey HCD-Planning for the proposed development are found in Project File PLN240238.

7. **FINDING:** **CEQA (Previous Mitigated Negative Declaration)** – A Mitigated Negative Declaration was previously adopted for the project, and in accordance with CEQA Guidelines Section 15162, the resulting changes from the amendment would not require any further environmental documentation.
- EVIDENCE:**
- a) Pursuant to Public Resources Code Section 21083, and California Environmental Quality Act (CEQA) Guidelines sections 15063(a) and 15063(b)(2), when an EIR has been certified or a negative declaration has been adopted, no subsequent EIR or negative declaration shall be prepared for the project unless the agency determines that substantial changes are proposed, or substantial changes occur with respect to the circumstances under which the project is undertaken. In this case, no new information has been presented to warrant further environmental review. None of the conditions described in Section 15162 calling for preparation of a subsequent EIR or negative declaration have occurred.
  - b) Caltrans, as Lead Agency, adopted an Initial Study/Mitigated Negative Declaration, prepared in accordance with the CEQA Guidelines; filed with the State Clearinghouse and circulated for public review and comment from April 27, 2023 to May 28, 2023 (SCH No. 2023040738); adopted by Caltrans on October 10, 2023; and is on file in the offices of HCD-Planning and is hereby incorporated by reference (Planning File No. PLN240238).
  - c) There is no substantial evidence, based upon the record as a whole, that the project may have a significant effect on the environment. Based upon the analysis of the Initial Study and Negative Declaration, HCD-Planning recommends approval of this project.
  - d) The adopted Mitigated Negative Declaration (SCH No. 2023040738) contemplated the demolition of a failed retaining wall and construction of a replacement retaining wall and new guardrail system, and restoration of the roadway. The contemplated project also included development within the Critical Viewshed and development on slopes in excess of 30%. Associated site improvements include widening the shoulder to four feet and reconstruction of the drainage inlet and culvert. The Mitigated Negative Declaration identified potentially significant impacts to biological resources, cultural resources, geology and soils, land use and planning, and tribal cultural resources.
  - e) As amended, the proposed project involves the demolition and replacement of the retaining wall and new guardrail system, restoration of the roadway, and widening the shoulder to 4 feet; However, the reconstruction of the drainage inlet and culvert have been omitted from the scope of work. The project also involves development within the Critical Viewshed and development on slopes in excess of 30%. The proposed project description is consistent with the scope analyzed in the adopted Mitigated Negative Declaration - the construction of a new retaining wall and guardrail system. Thus, no changes to the project scope analyzed under the Mitigated Negative Declaration are proposed.
  - f) No substantial changes have occurred with respect to the circumstances under which the project is undertaken that would involve new significant environmental effects or a substantial increase in the severity of previously identified significant effects.

- g) No new information of substantial importance has been identified which was not known at the time of the Mitigated Negative Declaration was adopted which would indicate that: the project would have significant effects which have not been evaluated, an increase in severity for any potential environmental effects, or the modification of any of the adopted mitigation measures.
- h) No adverse environmental effects were identified during staff review of the development application during a site visit on October 3, 2024.
- i) County of Monterey HCD-Planning, located at 1441 Schilling Place, 2nd Floor, Salinas, California, 93901, is the custodian of documents and other materials that constitute the record of proceedings upon which the decision to adopt the Negative Declaration is based.

- 8. 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 public access is required as part of the project as 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 not described as an area where the Local Coastal Program requires visual or physical public access (LUP Figure 3, Trails Plan – North Section). Public access (visual access) presently exists along Highway 1 (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. The ST-75 guardrail allows for continuous visual passthrough and will not significantly impede on existing ocean and Big Sur coastline views pursuant to LUP Policy 3.2.3.A.4.
  - d) Staff 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, project plans, and related support materials submitted by the project applicant to County of Monterey HCD-Planning found in Project File PLN240238.
- 9. 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 Title 20 section 20.86.030. 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 Title 20 section 20.86.080.A, 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 (Highway 1), and development that is permitted in the underlying zone as a conditional use (i.e. development within the Big Sur Critical Viewshed and on slopes in excess of 30%).

### **DECISION**

**NOW, THEREFORE**, based on the above findings and evidence, the County of Monterey Zoning Administrator does hereby:

1. Consider a previously adopted Mitigated Negative Declaration (SCH No. 2023040738) pursuant to CEQA Guidelines section 15162 and find that no additional environmental review is required; and
2. Approve a Combined Development Permit consisting of:
  - a. Coastal Development Permit for the demolition of a failed retaining wall, construction of a 185 linear foot retaining wall and a 360 linear foot guardrail system, restoration of the roadway, and associated site improvements;
  - b. Coastal Development Permit to allow development within the Critical Viewshed; and
  - c. Coastal Development Permit for the development on slopes in excess of 30%.

All of which are in general conformance with the attached sketch and subject to the attached conditions, all being attached hereto and incorporated herein by reference.

**PASSED AND ADOPTED** this 8<sup>th</sup> day of May, 2025.

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Mike Novo, AICP  
Zoning Administrator

COPY OF THIS DECISION MAILED TO APPLICANT ON DATE

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

\_\_\_\_\_.  
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. You will need a building permit and must comply with the Monterey County Building Ordinance in every respect.

Additionally, the Zoning Ordinance provides that no building permit shall be issued, nor any use conducted, otherwise than in accordance with the conditions and terms of the permit granted or until ten days after the mailing of notice of the granting of the permit by the appropriate authority, or after granting of the permit by the Board of Supervisors in the event of appeal.

Do not start any construction or occupy any building until you have obtained the necessary permits and use clearances from Monterey County HCD-Planning and HCD-Building Services Department office in Salinas.

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

Form Rev. 1-27-2021

# County of Monterey HCD Planning

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

PLN240238

### 1. PD001 - SPECIFIC USES ONLY

**Responsible Department:** Planning

**Condition/Mitigation Monitoring Measure:** This Combined Development Permit (PLN240238) allows the demolition of a failed retaining wall, construction of a replacement retaining wall and new guard rail barrier system, restoration of the roadway, development within the Critical Viewshed, and development on slopes in excess of 30%. The property is located at Post Mile Marker (PM) 44.34, along Highway 1, Big Sur (No Assessor's Parcel Number), within the State right-of-way, Big Sur Coast Land Use Plan, Coastal Zone. 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 on-going basis unless otherwise stated.

### 2. PD002 - NOTICE PERMIT APPROVAL

**Responsible Department:** Planning

**Condition/Mitigation Monitoring Measure:** The applicant shall record a Permit Approval Notice. This notice shall state:  
"A Combined Development Permit (Resolution Number \_\_\_\_\_) was approved by the Zoning Administrator on May 8, 2025]. The permit was granted subject to 6 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:** 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. PD048 - TREE REPLACEMENT/RELOCATION

**Responsible Department:** Planning

**Condition/Mitigation Monitoring Measure:** Within 60 days of permit approval, the applicant shall replace and or relocate each tree approved for removal as follows:

- Replacement ratio: 1:1
- Replacement ratio recommended by arborist: 4 Coast Live Oak trees to be replaced at a 1:1 ratio and 1 Buckeye at a 1:1 ratio

Replacement tree(s) shall be located within the same general location as the tree being removed. (HCD – Planning)

**Compliance or Monitoring Action to be Performed:** Owner/Agent shall submit evidence of tree replacement to HCD-Planning for review and approval. Evidence shall be photos of the replacement trees being planted.

Six months after planting of the replacement trees, the Owner/Agent shall submit evidence demonstrating that the replacement trees are in a healthy, growing condition.

One year after planting of the replacement trees, the Owner/Agent shall submit a letter prepared by a Certified tree consultant reporting on the health of the replacement trees and whether or not the tree replacement was successful or if follow-up remediation measures or additional permits are required.

## 5. PD050 - RAPTOR/MIGRATORY BIRD NESTING

**Responsible Department:** Planning

**Condition/Mitigation Monitoring Measure:** Any tree removal activity that occurs during the typical bird nesting season (February 22-August 1), the County of Monterey shall require that the project applicant retain a County qualified biologist to perform a nest survey in order to determine if any active raptor or migratory bird nests occur within the project site or within 300 feet of proposed tree removal activity. During the typical nesting season, the survey shall be conducted no more than 30 days prior to ground disturbance or tree removal. If nesting birds are found on the project site, an appropriate buffer plan shall be established by the project biologist. (HCD – Planning

**Compliance or Monitoring Action to be Performed:** No more than 30 days prior to ground disturbance or tree removal, the Owner/Agent/Contractor shall submit to HCD-Planning a nest survey prepared by a Certified biologist to determine if an active raptor or migratory bird nests occur within the project site or immediate vicinity.

## 6. PDSP001 - SUBSTANTIAL COMPLIANCE AGREEMENT

**Responsible Department:** Planning

**Condition/Mitigation Monitoring Measure:** Applicant/Agent shall sign a Substantial Compliance Agreement with the County of Monterey prior to the commencement of work.

**Compliance or Monitoring Action to be Performed:** Applicant/Agent to provide a signed Substantial Conformance Agreement with the County of Monterey to HCD-Planning prior to the commencement of work.

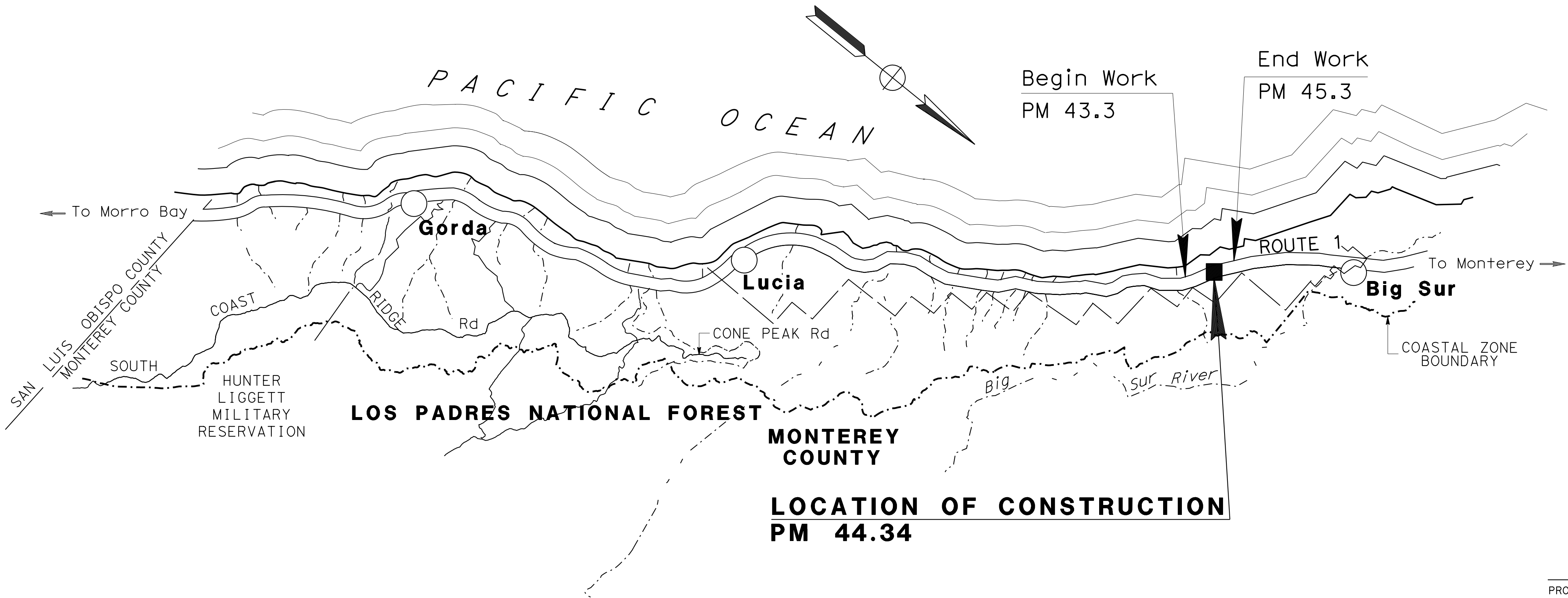
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STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY  
IN MONTEREY COUNTY  
NEAR BIG SUR  
1.1 MILES SOUTH OF PFEIFFER CANYON BRIDGE  
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2024

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	44.34	1	



LOCATION MAP




NO SCALE

PROJECT ENGINEER  
REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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.

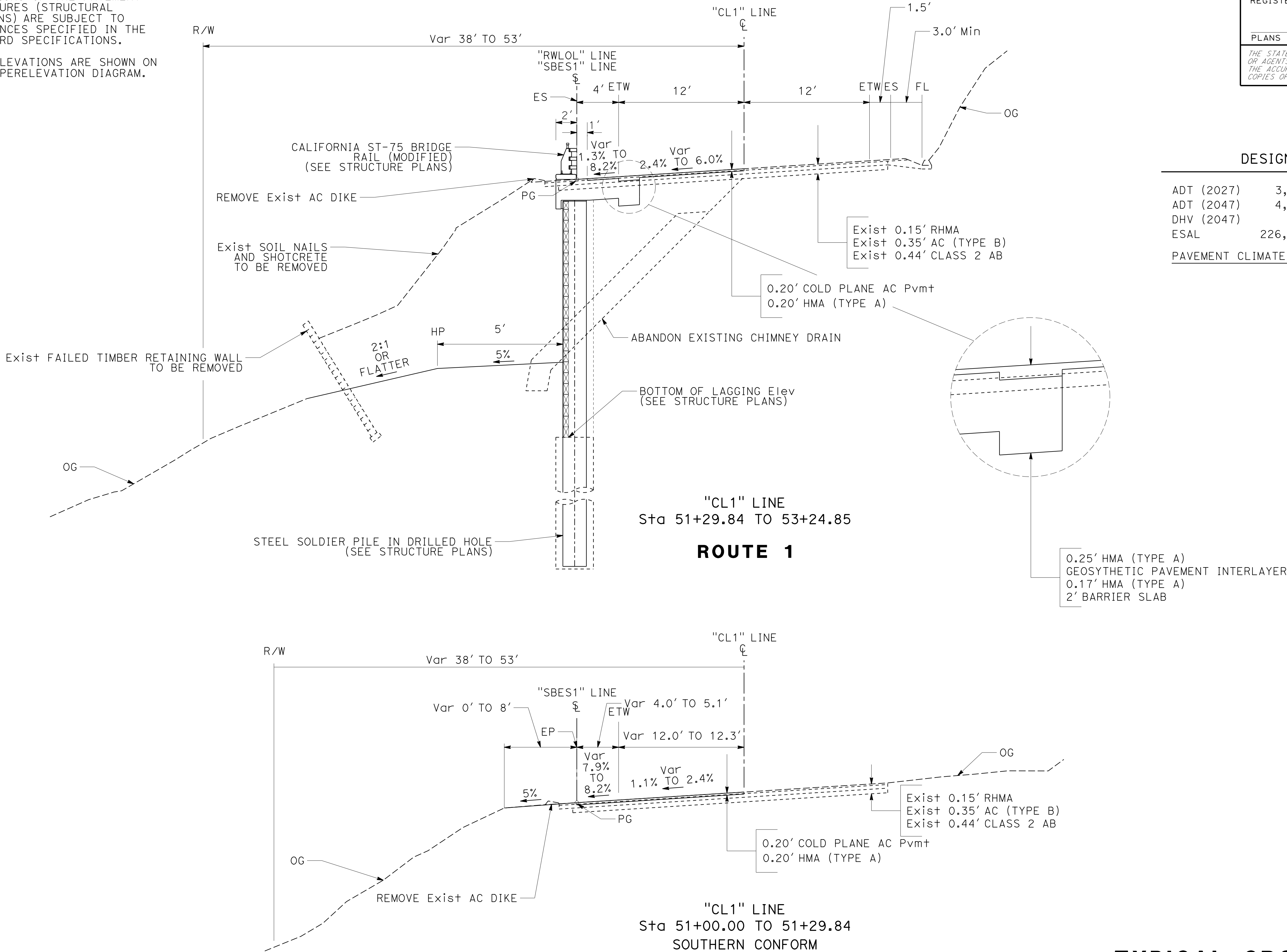


PROJECT MANAGER	CARLA YU
DESIGN ENGINEER	JEFFREY PAYNE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAM.



DESIGN DESIGNATION

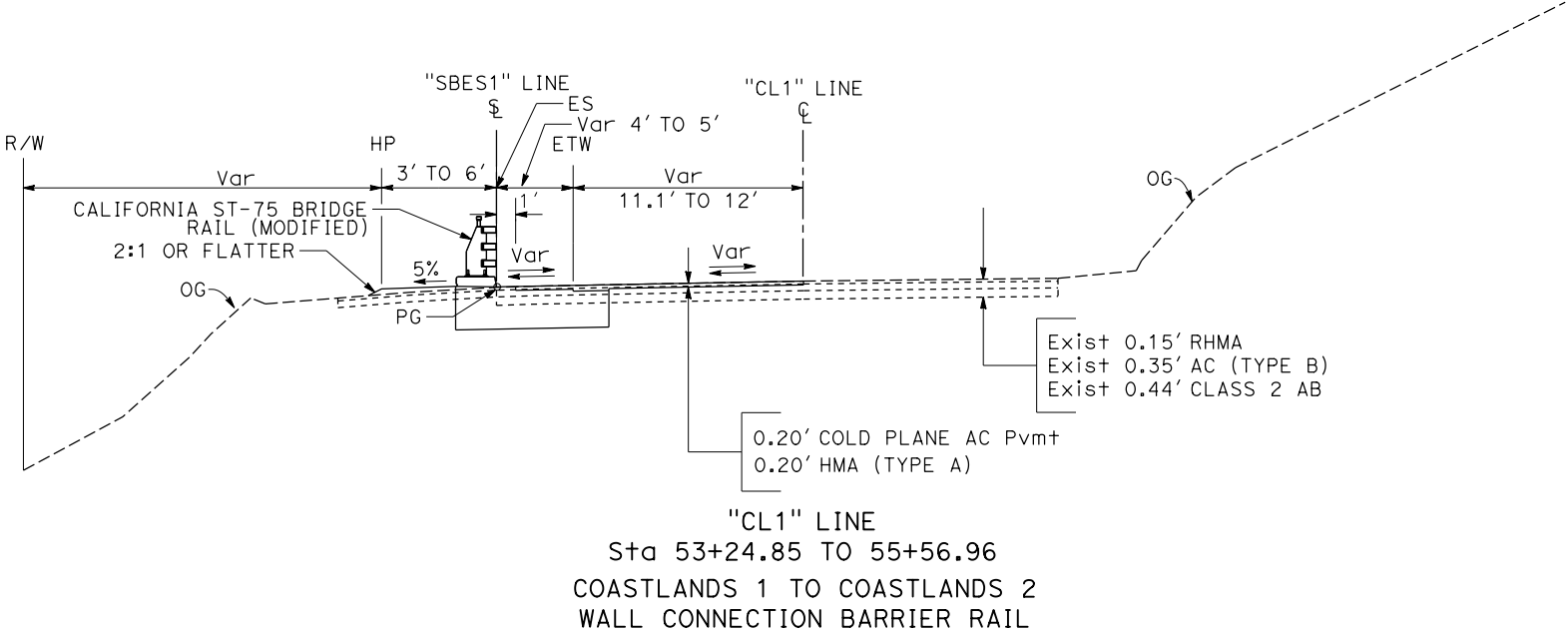
ADT (2027)	3,384	D	58% (SB)
ADT (2047)	4,337	T	3%
DHV (2047)	754	V	45 mph
ESAL	226,000	TI <sub>20</sub>	7.5
PAVEMENT CLIMATE REGION:		CENTRAL COAST	

TYPICAL CROSS SECTION

NO SCALE

X-1





ROUTE 1

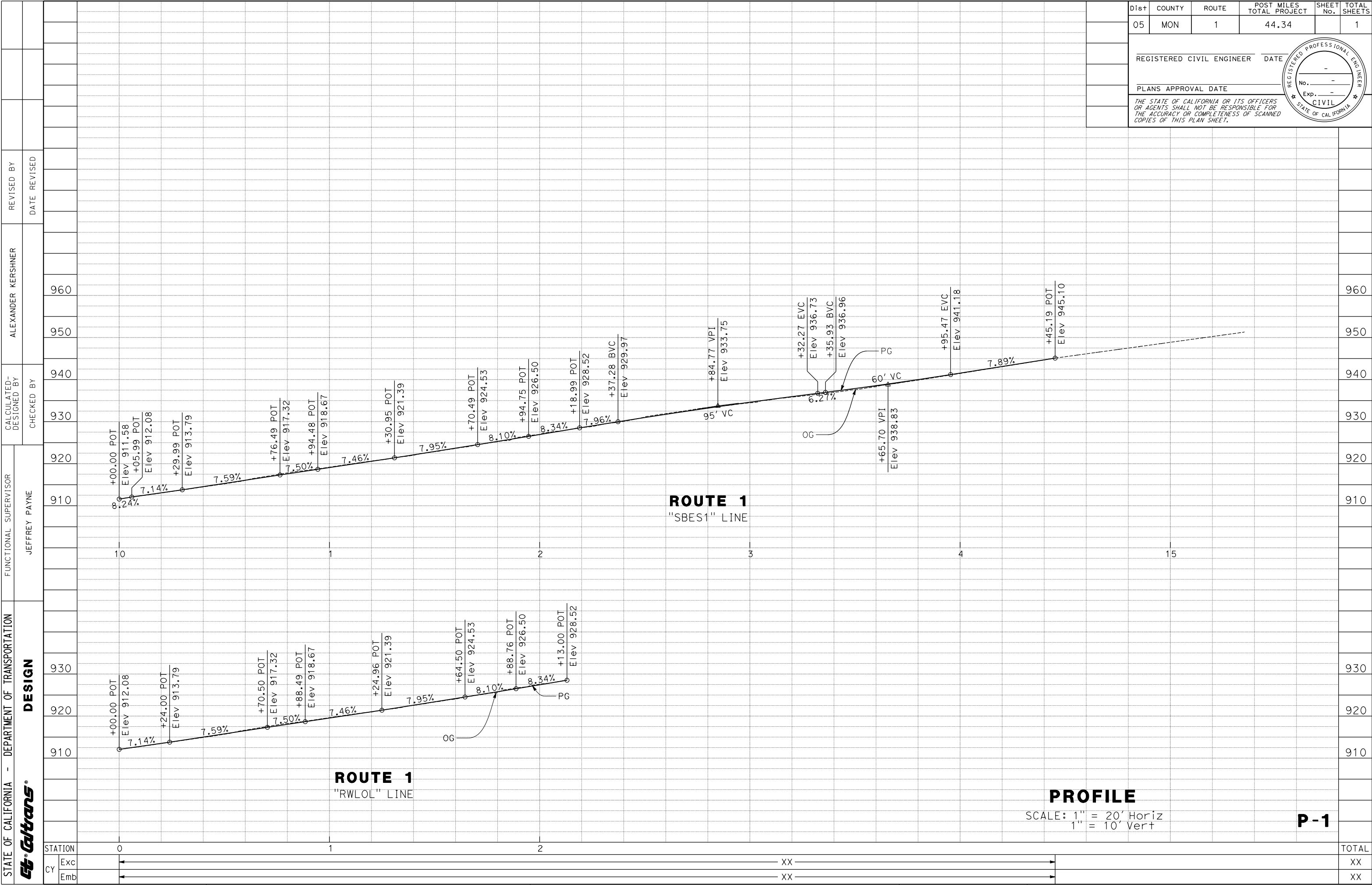
TYPICAL CROSS SECTION

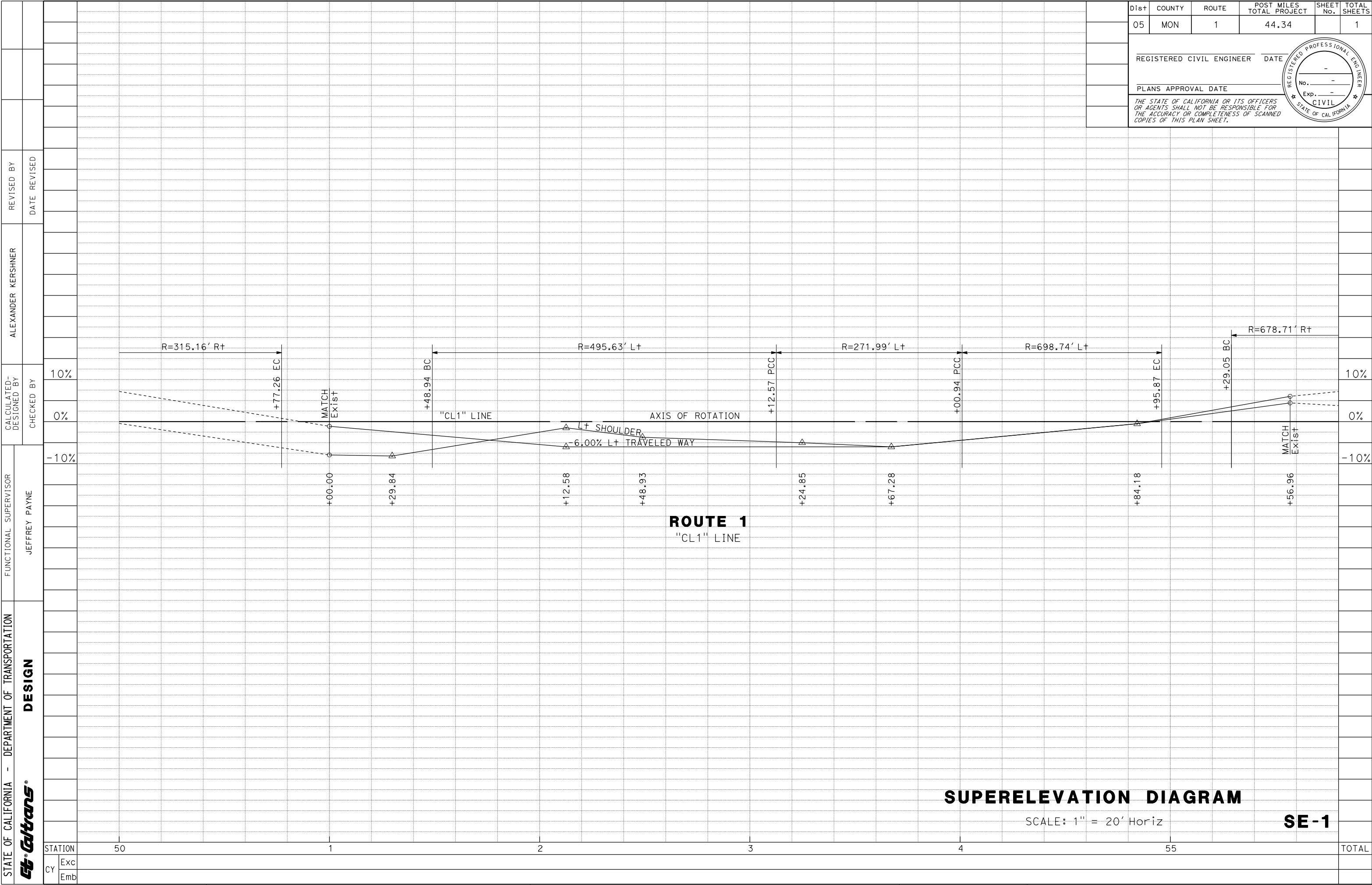
NO SCALE

X-2









ROUTE 1

"CL1" LINE

R=315.16' R+

R=495.63' L+

R=271.99' L+

R=698.74' L+

R=678.71' R+

AXIS OF ROTATION

L+ SHOULDER

-6.00% L+ TRAVELED WAY

+77.26 EC

+48.94 BC

+12.57 PCC

+00.94 PCC

+95.87 EC

+29.05 BC

MATCH Exist

MATCH Exist

+00.00

+29.84

+12.58

+48.93

+24.85

+67.28

+84.18

+56.96

10%

0%

-10%

10%

0%

-10%

SUPERELEVATION DIAGRAM

SCALE: 1" = 20' Horiz

SE-1

BORDER LAST REVISED 7/2/2010

USERNAME => s152638  
DGN FILE => 0521000188fc001.dgn

RELATIVE BORDER SCALE  
IS IN INCHES

0

1

2

3

UNIT 1450

PROJECT NUMBER & PHASE

05210001881

LAST REVISION

DATE PLOTTED => 24-MAY-2024

00-00-00

TIME PLOTTED => 14:10

LEGEND:

COLD PLANE ASPHALT CONCRETE PAVEMENT

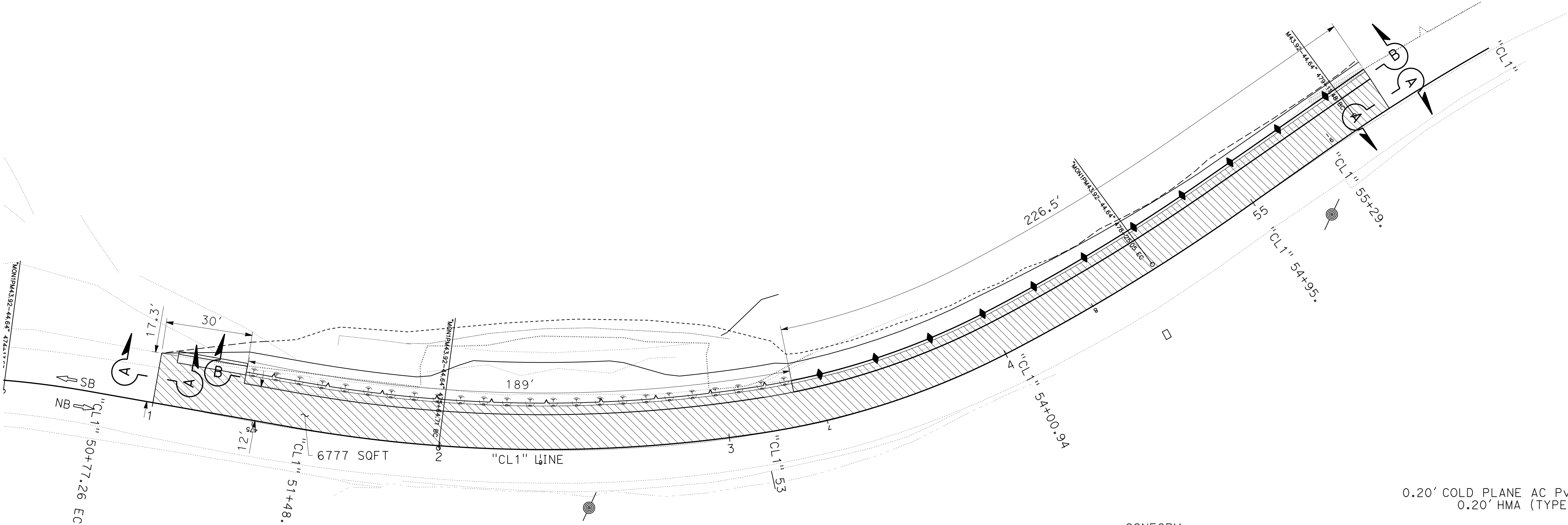
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34		1

REGISTERED CIVIL ENGINEER      DATE

PLANS APPROVAL DATE

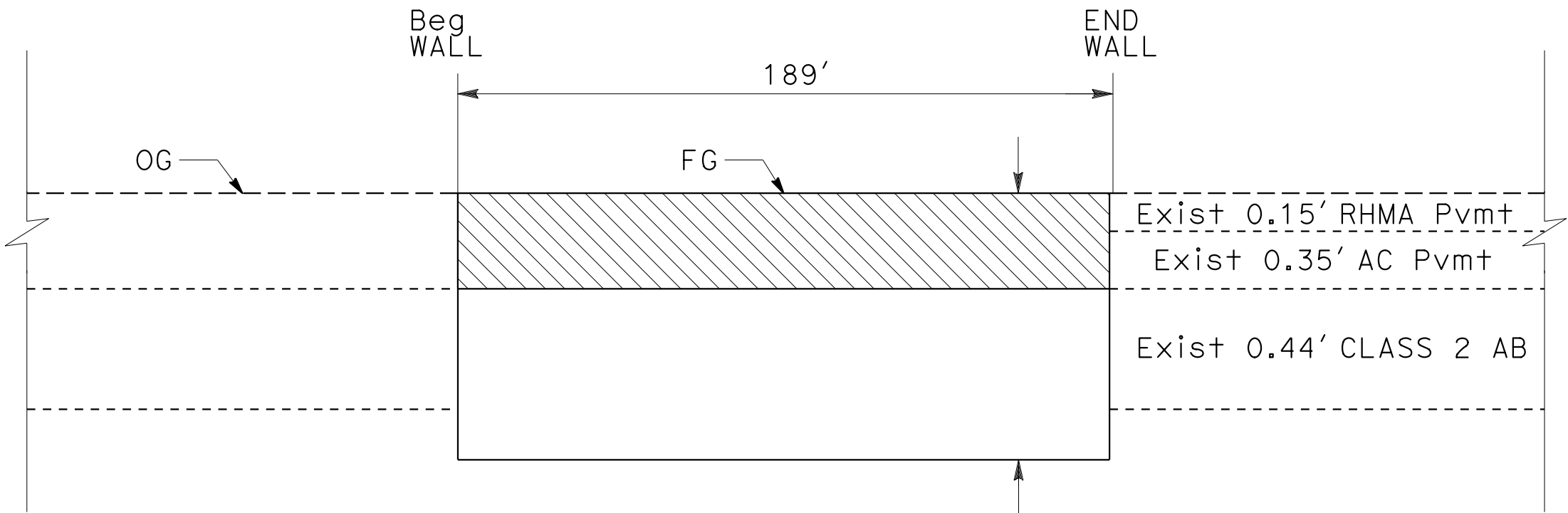
THE STATE OF CALIFORNIA OR ITS OFFICERS  
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REGISTERED PROFESSIONAL ENGINEER  
No. -  
Exp. -  
CIVIL  
STATE OF CALIFORNIA



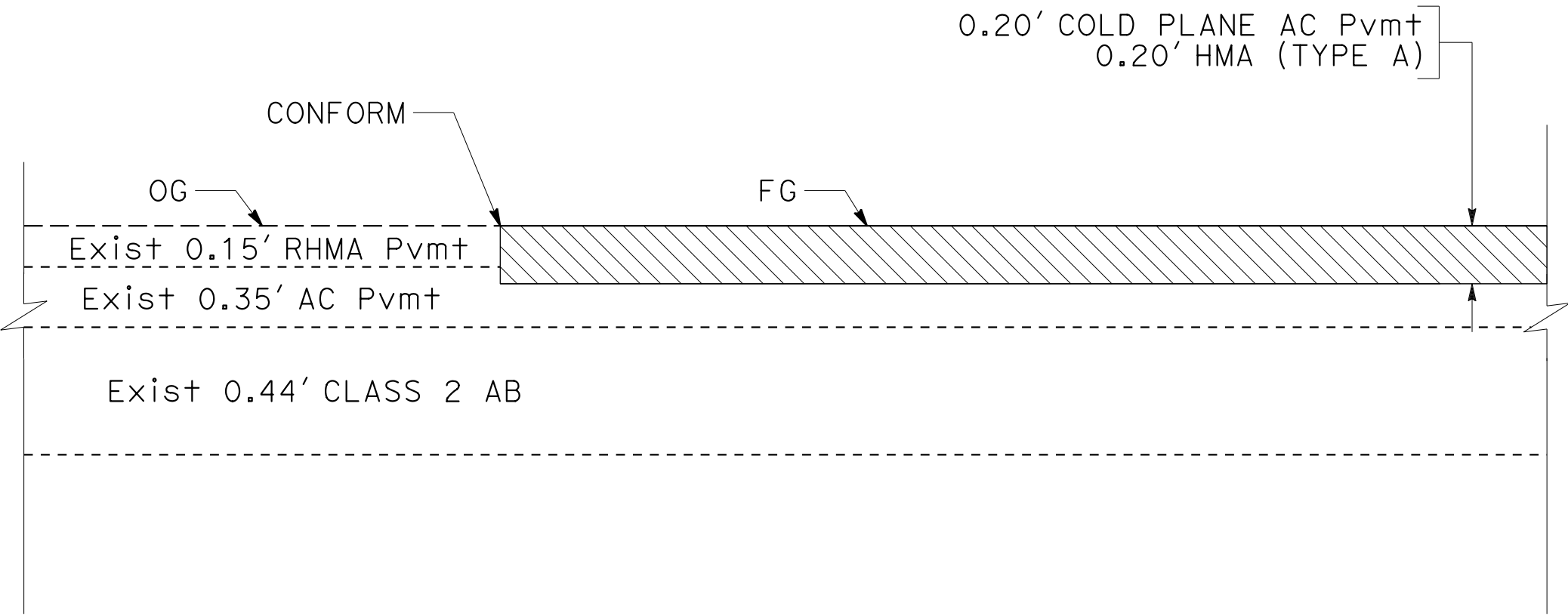
COLD PLANE AREA DETAIL  
ROUTE 1

"CL 1" LINE Sta 51+00.00 TO 55+56.96  
SCALE: 1"=20'



SOUTH BOUND LANE  
SECTION B-B  
NO SCALE

0.42' COLD PLANE AC Pvm+  
0.25' HMA (TYPE A)  
GEOSYNETHIC PAVEMENT INTERLAYER  
0.17' HMA (TYPE A)  
2' BARRIER SLAB (SEE STRUCTURE PLANS FOR DETAILS  
AND QUANTITIES)



LONGITUDINAL CONFORM  
SECTION A-A  
NO SCALE

CONSTRUCTION DETAILS

SCALE AS SHOWN

C-1





NOTE:

1. ALL DRAINAGE STRUCTURES ARE RADIAL TO THE REFERENCED ALIGNMENT UNLESS OTHERWISE SHOWN.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34		1

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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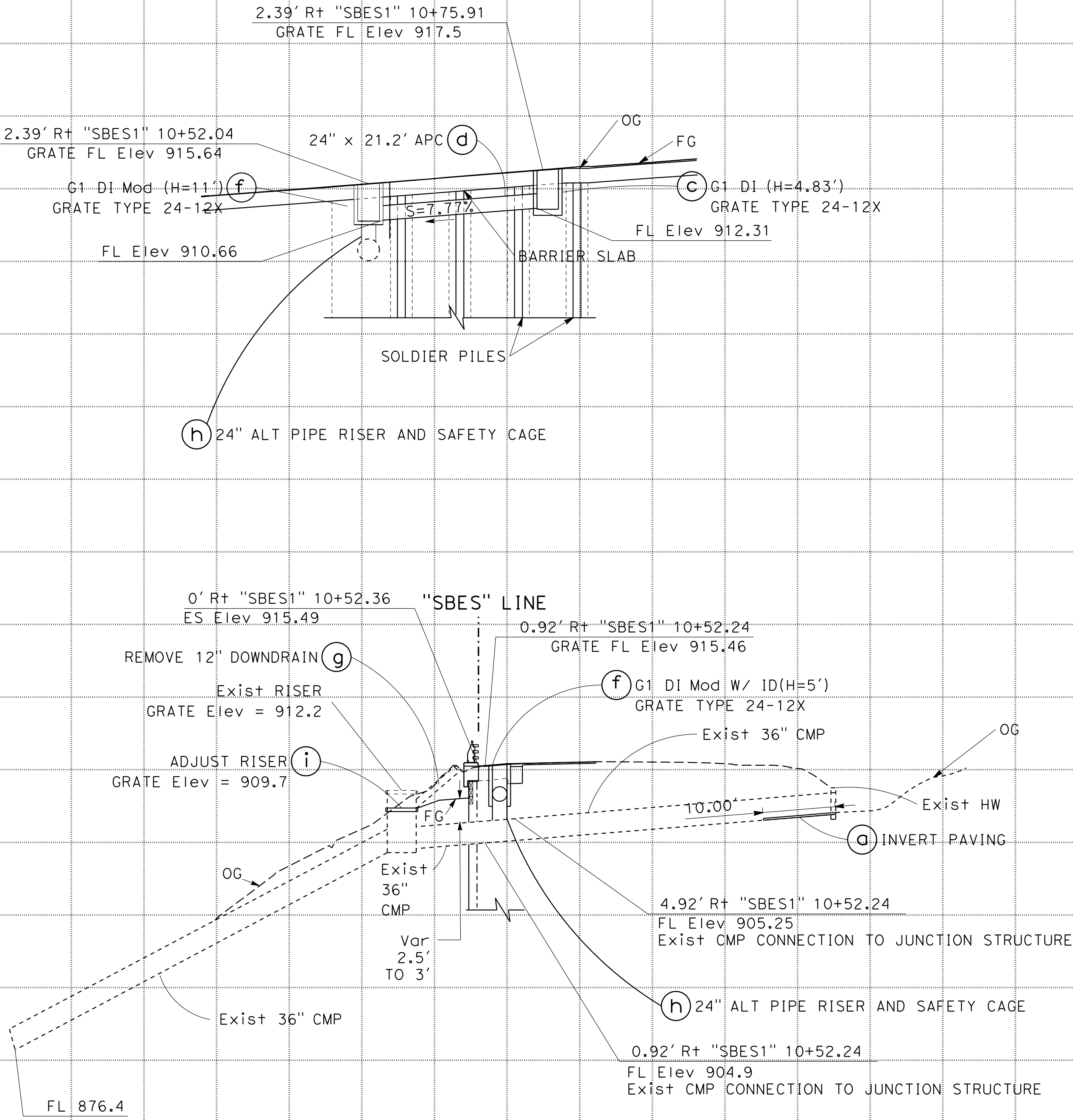
REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA



DRAINAGE SYSTEM No. 1

"SBES1" 10+45.90 TO 10+61.28

DRAINAGE PROFILES

SCALE: Horiz 1" = 10'

Vert 1" = 10'

DP-1



Weld 0.5 in Dia x 4.125 in long  
H4L Headed Nelson Studs @ 3 in  
apart vertically at each corrugation  
peak at each side of invert.  
Use (5) studs.

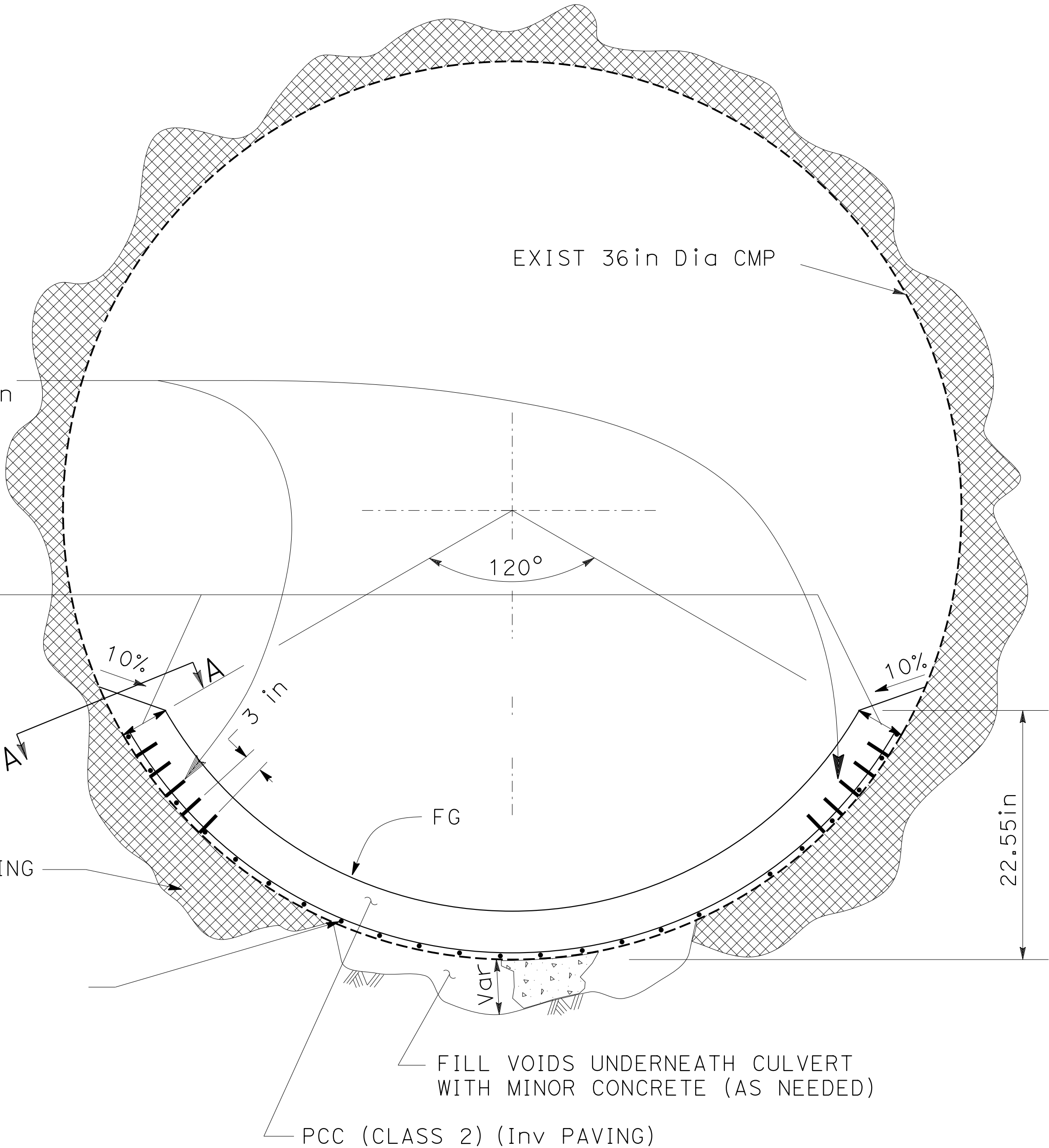
6in ON TOP OF CORRUGATION

CULVERT CONTACT GROUTING  
(AS NEEDED)

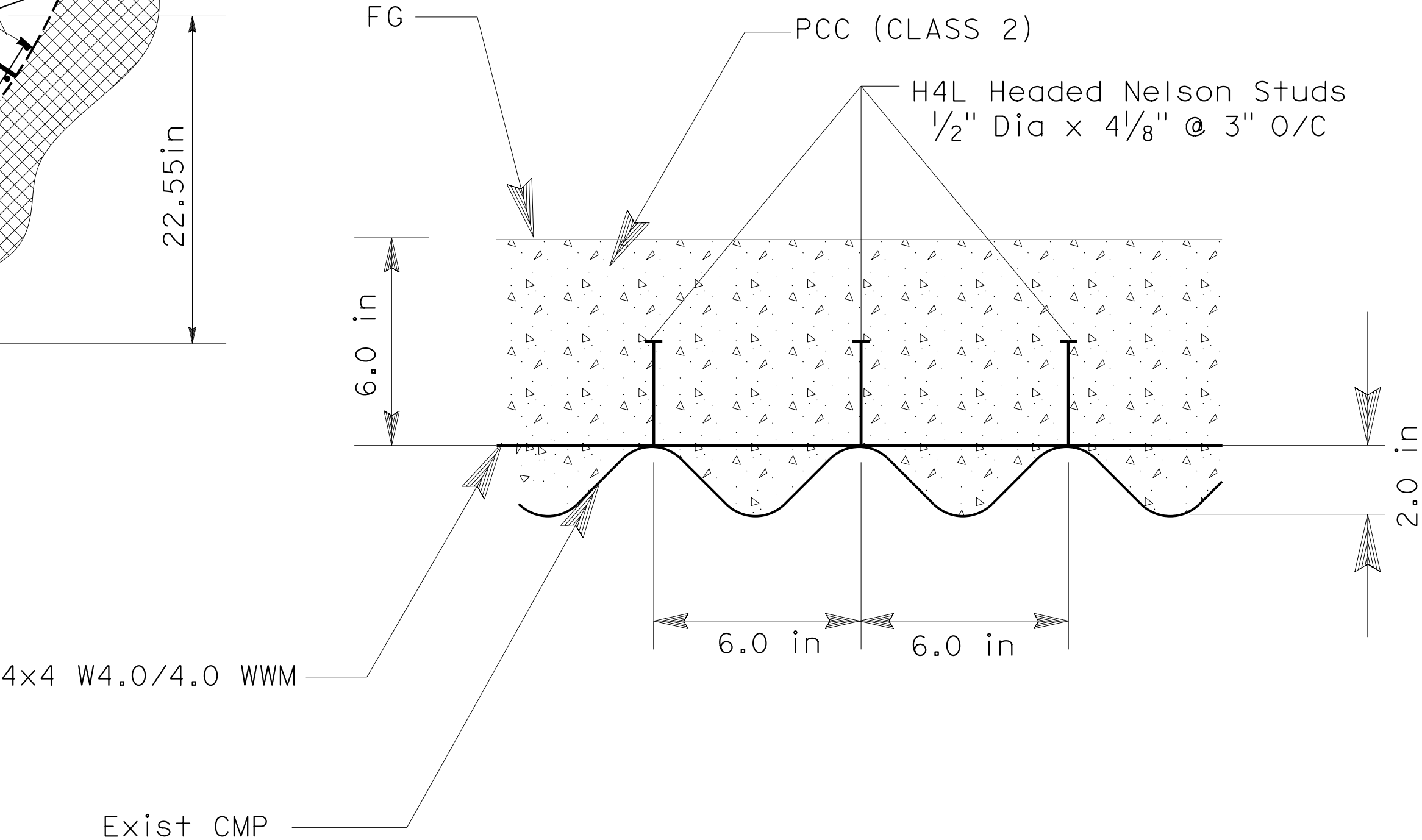
4in x 4in - W4.0/4.0 WWM  
tack weld mesh to culvert @  
12in spacing each way

ORDER OF WORK

1. FILL VOIDS
2. PLACE NELSON STUDS
3. PLACE WWM
4. PLACE PCC (CLASS 2)



SECTION A-A  
NO SCALE



INVERT PAVING DETAIL

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34		

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

No.

Exp.





CIVIL

STATE OF CALIFORNIA

## APC ALLOWABLE PIPE MATERIAL

TYPE	Min THICKNESS/ CLASS
CSP	0.064 INCHES
PLASTIC	TYPE S
RCP	SEE STANDARD Specs


## DRAINAGE QUANTITIES

SHEET No.		DRAINAGE SYSTEM No. 									
DRAINAGE UNIT 											
ADJUST RISER											
REMOVE 12" DD											
DRAINAGE INLET											
DRAINAGE INLET MARKER		(N)									
INLET HEIGHT, "H"		* * *									
STRUCTURAL CONCRETE, DRAINAGE INLET		(N)									
FRAME AND GRATE (TYPE 18-9X)											
Misc IRON AND STEEL		(N)									
24" ALTERNATIVE PIPE CULVERT		(N)									
INLET DEPRESSION		(N)									
MINOR CONCRETE (INVERT PAVING)											
MINOR CONCRETE (INVERT PAVING)											
DESCRIPTION											
STATION											
DRAINAGE UNIT 											
DRAINAGE SYSTEM No. 											

D-1	1	a																a	1
		b																b	
		c			1	1	4.8	1.34	1	239		1						c	
		d									21.2							d	
		e																e	
		f																f	
		g		1	1	1	5.0	1.39	1	239		1						g	
		h	1															h	
		i													2.37			i	
				1	1	2	2	9.8	2.73	2	478	21.2	2	0.87	2.37	TOTAL (THIS SHEET)			

\* - QUANTITY INCLUDED IN PAVEMENT STRUCTURE QUANTITIES TABLE  
 \*\* - DRAINAGE INLET MARKER SHALL BE TYPE METAL MEDALLION  
 (N) - NOT A SEPARATE BID ITEM

## DRAINAGE QUANTITIES

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34		1
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<p>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.</p>					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

TRAFFIC DESIGN

QUAY F. CHESTER

FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

CHECKED BY

RUBEN ATILANO

JONATHAN BRAY

REVISED BY

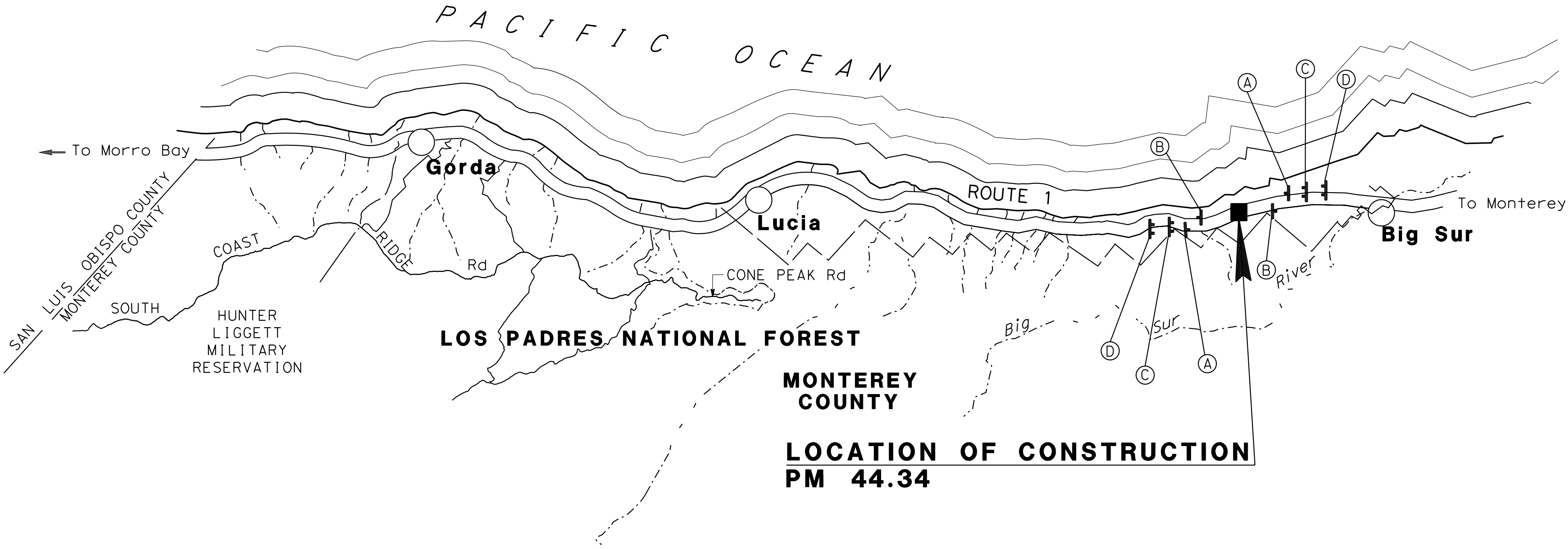
DATE REVISED

NOTES:

1. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE, EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. COVER ALL CONFLICTING SIGNS WHEN NOT IN USE.

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No.	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	NUMBER OF POSTS AND POST SIZE	NUMBER OF SIGNS
A	W20-1	ROAD WORK AHEAD	60"x60"	1-4"x6"	2
B	G20-2	END ROAD WORK	48"x24"	1-4"x4"	2
C	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	72"x36"	2-4"x6"	2
D	C50B(CA)	CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGN	132"x78"	2-6"x8"	2



NO SCALE

CONSTRUCTION AREA SIGNS

CS-1

NO SCALE

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34	XXX	XXX
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
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REGISTERED PROFESSIONAL ENGINEER  
No. \_\_\_\_\_  
Exp. \_\_\_\_\_  
CIVIL  
STATE OF CALIFORNIA

NOTES:

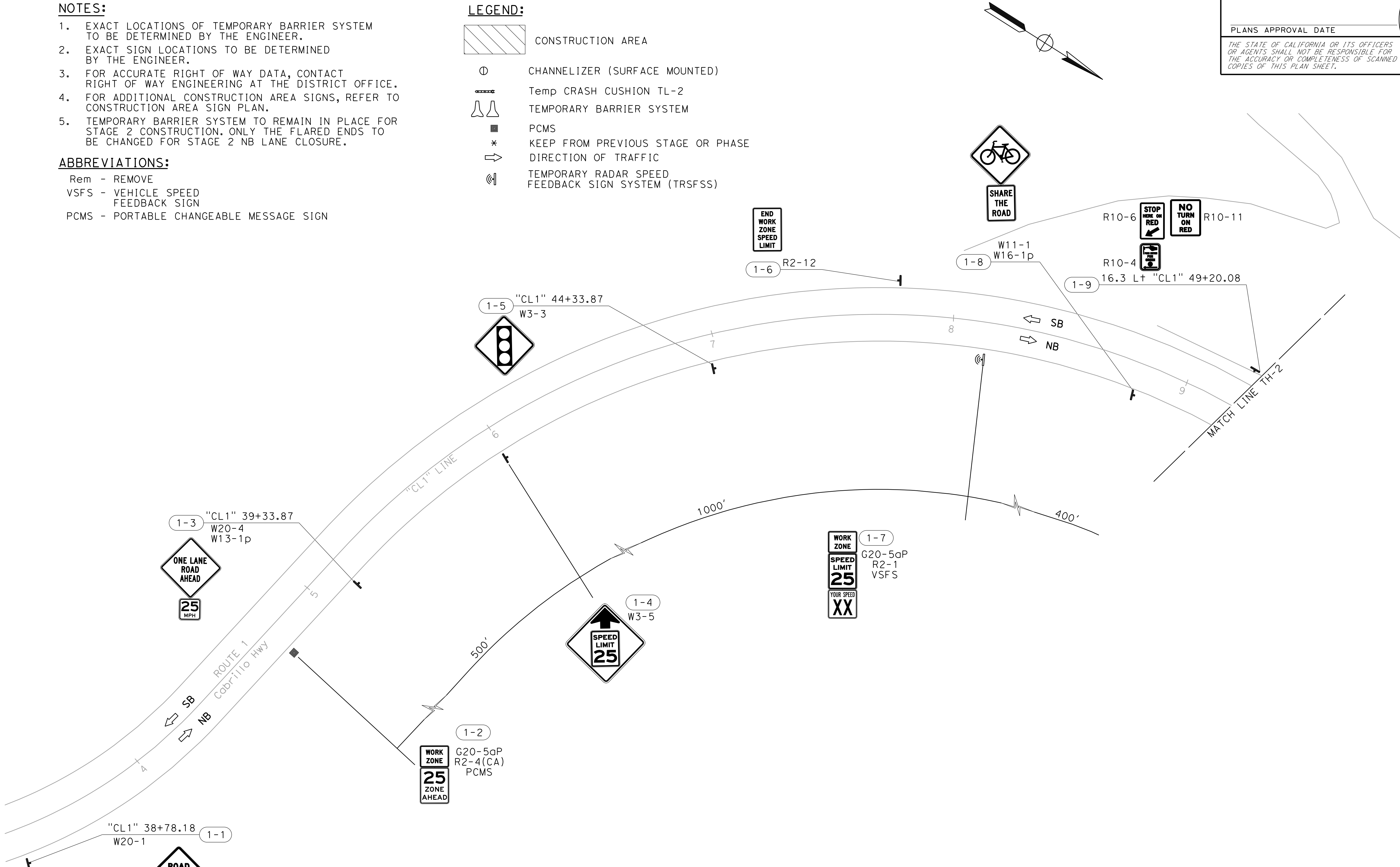
1. EXACT LOCATIONS OF TEMPORARY BARRIER SYSTEM TO BE DETERMINED BY THE ENGINEER.
2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
4. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, REFER TO CONSTRUCTION AREA SIGN PLAN.
5. TEMPORARY BARRIER SYSTEM TO REMAIN IN PLACE FOR STAGE 2 CONSTRUCTION. ONLY THE FLARED ENDS TO BE CHANGED FOR STAGE 2 NB LANE CLOSURE.

ABBREVIATIONS:

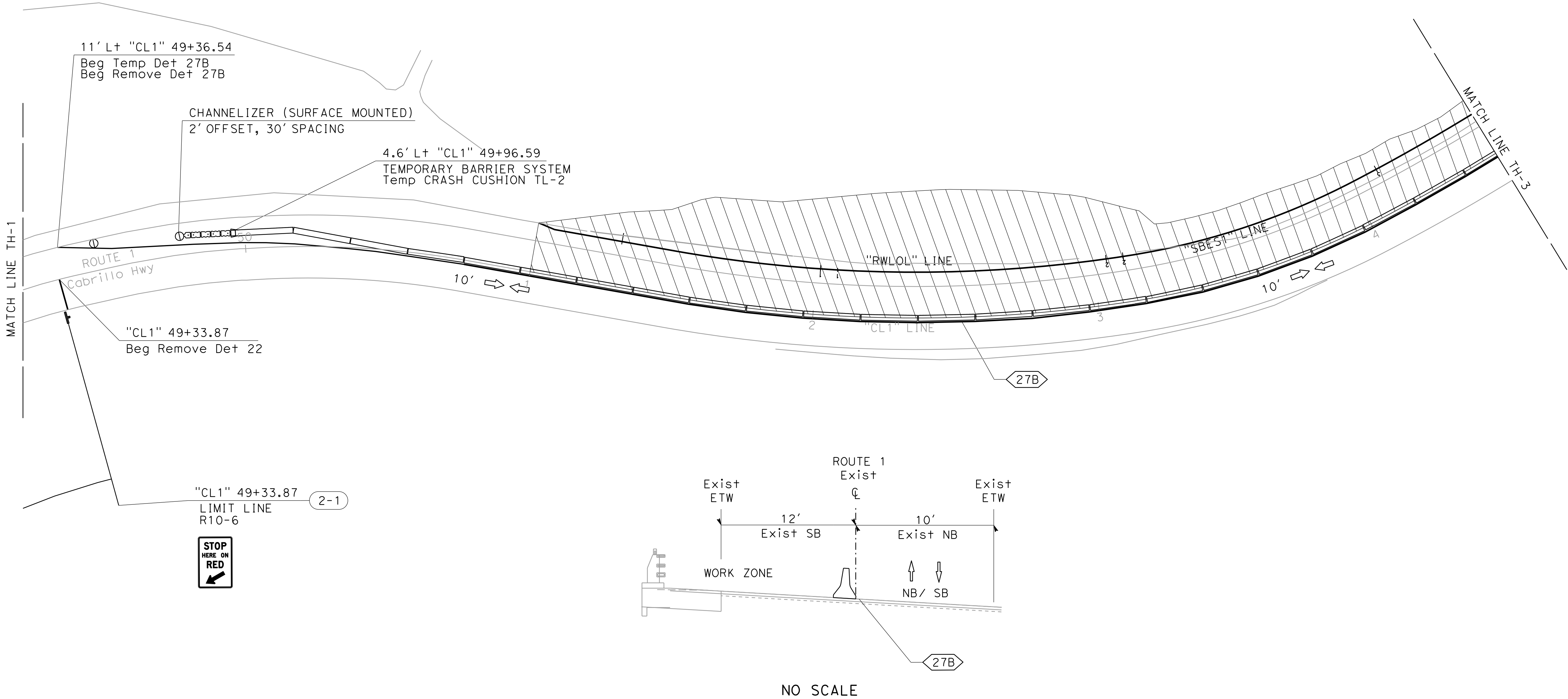
Rem - REMOVE  
VSFS - VEHICLE SPEED  
FEEDBACK SIGN  
PCMS - PORTABLE CHANGEABLE MESSAGE SIGN

LEGEND:

- 
- CONSTRUCTION AREA
- 
- 
- CHANNELIZER (SURFACE MOUNTED)
- 
- 
- Temp CRASH CUSHION TL-2
- 
- 
- TEMPORARY BARRIER SYSTEM
- 
- 
- PCMS
- 
- 
- KEEP FROM PREVIOUS STAGE OR PHASE
- 
- 
- DIRECTION OF TRAFFIC
- 
- 
- TEMPORARY RADAR SPEED
- 
- FEEDBACK SIGN SYSTEM (TRSFSS)



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34	XXX	XXX
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE			No. _____ Exp. _____ CIVIL		
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APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN  
STAGE 1  
SCALE: 1" = 20'  
TH-2



DATE PLOTTED => 11/20/2024	LAST REVISION
TIME PLOTTED => 10:43:36 AM	00-00-00



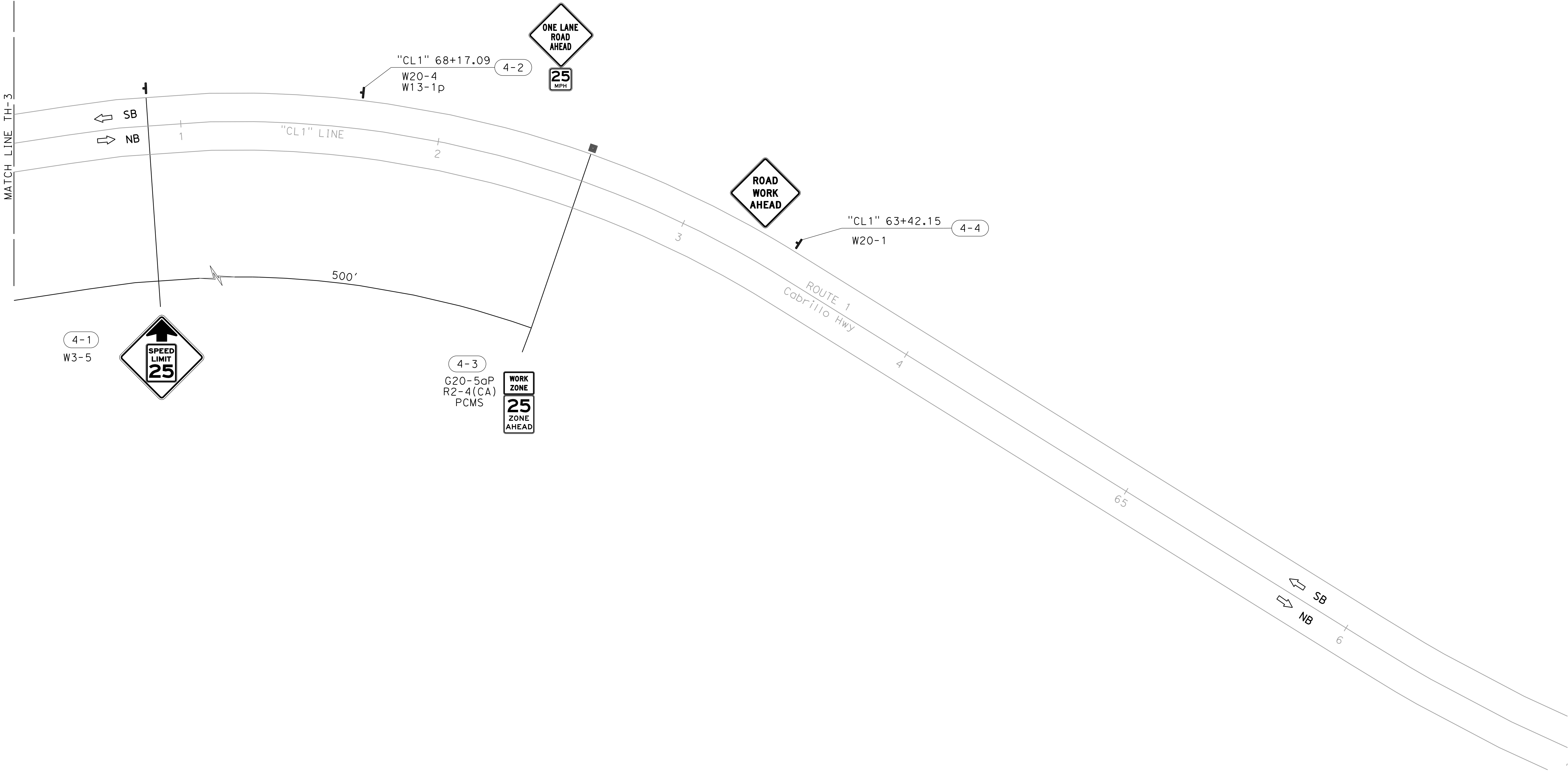
RELATIVE BORDER SCALE  
IS IN INCHES



A horizontal scale bar with markings at 0, 1, 2, and 3 inches. The bar is divided into four equal segments by vertical tick marks. The numbers 0, 1, 2, and 3 are placed above the tick marks at the beginning, first, second, and third divisions respectively.

PROJECT NUMBER &amp; PHASE

05210001881



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34	XXX	XXX

REGISTERED CIVIL ENGINEER    DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

No.    Exp.

CIVIL

STATE OF CALIFORNIA

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED-TRAFFIC HANDLING)

SHEET No.	FACING	SIGN No.	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	NUMBER OF POSTS AND POST SIZE	No. OF SIGNS	TEMPORARY RADAR SPEED FEEDBACK SIGN SYSTEM		PCMS (PORTABLE CHANGEABLE MESSAGE SIGN) (N)
								EA	LS	
TH-1	NB	1-1	W20-1	ROAD WORK AHEAD	36"x36"	1-4"x6"	1			
TH-1	NB	1-2	G20-5aP	WORK ZONE PLAQUE	24"x18"	PCMS	1			1
			R2-4(CA).25	25 ZONE AHEAD	24"x30"		1			
TH-1	NB	1-3	W20-4	ONE LANE ROAD AHEAD	36"x36"	1-4"x6"	1			
			W13-1p	ADVISORY SPEED PLAQUE	18"x18"		1			
TH-1	NB	1-4	W3-5	REDUCED SPEED LIMIT AHEAD	36"x36"	1-4"x6"	1			
TH-1	NB	1-5	W3-3	SIGNAL AHEAD SYMBOL	30"x30"	1-4"x6"	1			
TH-1	SB	1-6	R2-12	END WORK ZONE SPEED LIMIT	24"x36"	1-4"x6"	1			
			G20-5aP	WORK ZONE PLAQUE	24"x18"					
TH-1	NB	1-7	R2-1.25	SPEED LIMIT 25 MPH	24"x30"	TRSFSS		1		
			VSFS	YOUR SPEED XX	24"x24"					
			W11-1	BICYCLE TRAFFIC	30"x30"		1			
TH-1	NB	1-8	W16-1p	SHARE THE ROAD PLAQUE	18"x24"	1-4"x6"	1			
			R10-6	STOP HERE ON RED WITH ARROW	24"x36"		1			
TH-1	EB	1-9	R10-4	PUSH BUTTON FOR WALK SIGNAL	9"x12"	1-4"x6"	1			
			R10-11	NO TURN ON RED	24"x30"		1			
			R10-6	STOP HERE ON RED WITH ARROW	24"x36"		1			
TH-3	SB	3-1	W1-4I	REVERSE LEFT CURVE	30"x30"	1-4"x6"	1			
			R10-6	STOP HERE ON RED WITH ARROW	24"x36"					
TH-3	EB	3-2	R10-4	PUSH BUTTON FOR WALK SIGNAL	9"x12"	1-4"x6"	1			
			R10-11	NO TURN ON RED	24"x30"					
			R10-6	STOP HERE ON RED WITH ARROW	24"x36"		1			
TH-3	SB	3-2	G20-5aP	WORK ZONE PLAQUE	24"x18"	1-4"x6"		1		
			R2-1.25	SPEED LIMIT 25 MPH	24"x30"					
			VSFS	YOUR SPEED XX	24"x24"					
TH-3	SB	3-4	W3-3	SIGNAL AHEAD SYMBOL	30"x30"	1-4"x6"	1			
TH-3	SB	3-5	R2-12	END WORK ZONE SPEED LIMIT	24"x36"	1-4"x6"	1			
TH-4	SB	4-1	W3-5	REDUCED SPEED LIMIT AHEAD	36"x36"	1-4"x6"	1			
			W20-4	ONE LANE ROAD AHEAD	36"x36"		1			
TH-4	SB	4-2	W13-1p	ADVISORY SPEED PLAQUE	18"x18"	1-4"x6"	1			
			G20-5aP	WORK ZONE PLAQUE	24"x18"		1			
TH-4	SB	4-3	R2-4(CA).25	25 ZONE AHEAD	24"x30"	PCMS	1			1
			W20-1	ROAD WORK AHEAD	36"x36"		1			
TH-3	SB	3-3	W11-1	BICYCLE TRAFFIC	30"x30"	1-4"x6"	1			
TH-3	SB	3-3	W16-1p	SHARE THE ROAD PLAQUE	18"x24"	1-4"x4"	1			
TOTAL							27	2		2

Dist

COUNTY

ROUTE

POST MILES TOTAL PROJECT

SHEET No.

TOTAL SHEETS

05

MON

1

44.34

XXX

XXX

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA

TEMPORARY PAVEMENT DELINEATION QUANTITIES

SHEET No.	STAGE	ROUTE	"ALIGNMENT" OR POSTMILE	LOCATION		DIRECTION	DETAIL No.	TEMPORARY TRAFFIC STRIPE (PAINT)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	
				FROM	TO			WHITE	WHITE	YELLOW
								LF	LF	LF
TH-2	1	1	"CL1"	49+37	54+50	N/SB	27B	513		
TH-3	1	1	"CL1"	54+50	57+40	N/SB	27B	290		
TH-2	1	1	"CL1"	48+78	54+50	SB	22			1,144
TH-3	1	1	"CL1"	54+50	58+17	SB	22			734
TH-2	1	1	"CL1"	49+37	54+05	SB	27B		468	
TH-3	1	1	"CL1"	54+05	57+40	SB	27B		335	
TOTAL								803	2,681	

TEMPORARY TRAFFIC CONTROL DEVICES

SHEET No.	STAGE	ROUTE	"ALIGNMENT" OR POSTMILE	LOCATION		DIRECTION	TEMPORARY BARRIER SYSTEM	ALTERNATIVE TEMPORARY CRASH CUSHION TL-2	CHANNELIZER (SURFACE MOUNTED)
				FROM	TO		LF	EA	
TH-2	1	1	CL1	49+96	56+36	N/SB	640		
TH-3	1	1	CL1	54+58	56+58	N/SB	200		
TH-2	1	1	CL1	49+48	49+78	SB			2
TH-2	1	1	CL1	49+78	49+98	SB		1	
TH-3	1	1	CL1	56+57	57+44	SB			4
TH-3	1	1	CL1	56+38	56+58	SB		1	
TOTAL							840	2	6

TRAFFIC HANDLING QUANTITIES  
THQ-1





LOCATION	TEMPORARY DI PROTECTION	TEMPORARY CONCRETE WASHOUT	TEMPORARY LARGE SEDIMENT BARRIER
	EA	EA	LS
"CL1" LINE 51+00 TO 56+56.96	2	1	1
TOTAL	2	1	1

LOCATION	SHEET No.	LENGTH
		LF
"CL1" 51+60.00 TO 53+04.80	L-1	150
TOTAL		150

REMOVE TIMBER MSE WALL

LOCATION	ROADWAY EXCAVATION	HOT MIX ASPHALT (TYPE A)	REMOVE ASPHALT CONCRETE DIKE	GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC)	REMOVE ASPHALT CONCRETE PAVEMENT	COLD PLANE ASPHALT CONCRETE PAVEMENT	TACK COAT
	CY	TON	LF	SQYD	SQFT	SQYD	TON
"CL1" 51+00 TO 55+56.96	915	100	25	60	1,130	765	0.3
TOTAL	915	100	25	60	1130	765	0.3

PAVEMENT STRUCTURE

STAIN GALVANIZED SURFACES

LOCATION	ST-75 BRIDGE RAIL	CRASH CUSHION (TYPE TL-3)
	LS	
"CL1" 51+00 TO 55+56.96	1	
TOTAL	1	

BARRIER

LOCATION	TEMPORARY CRASH CUSHION TL-2	TEMPORARY BARRIER SYSTEM	ALTERNATIVE CRASH CUSHION TL-3	CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED)	REMOVE CRASH CUSHION	SALVAGE CRASH CUSHION
STATION	EA	LF	EA	LF	EA	EA
"CL1" 51+00 TO 56+56.96	4	740	1	182	2	1
TOTAL	4	740	1	226	2	1

SUMMARY OF QUANTITIES

Q-1

Dist

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

05

MON

1

44.34

1

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA

IRRIGATION SPRINKLER SCHEDULE

SYMBOL	ITEM DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE	DISCHARGE RATE (+/- 5%)	DISCHARGE RATE (+/- 5%)	INLET CONNECTION DIAMETER	RISER SPRINKLER ASSEMBLY			REMARKS
			psi	GPM	GPH	INCH	TYPE	HEIGHT	MATERIAL	
○	RISER SPRINKLER ASSEMBLY	F	30	0.25		1/2	V	3"	PI	BUBBLER
●	RISER SPRINKLER ASSEMBLY	F	30	0.5		1/2	V	3"	PI	BUBBLER

IRRIGATION QUANTITY  
(LATERAL SUPPLY SIDE OF CONTROL VALVE)

SHEET NO.	CAM COUPLER ASSEMBLY	WYE STRAINER ASSEMBLY	PLASTIC PIPE (SCHEDULE 40)	BUBBLERS (Σ)
	1"	1"	1"	
	EA	EA	LF	
1P-1	1	1	185	21
1P-2				
TOTAL	1	1	185	21

(N) - NOT A SEPARATE BID ITEM

Dist

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

05

MON

1

44.34

-

-

LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

PLANS APPROVAL DATE

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LICENSED LANDSCAPE ARCHITECT

1001st Hook No. 6985

Signature

10-31-25

Renewal Date

XX-XX-XX

Date

STATE OF CALIFORNIA

IRRIGATION SPRINKLER SCHEDULE  
& IRRIGATION QUANTITIES

ISS-1

NOTES:

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

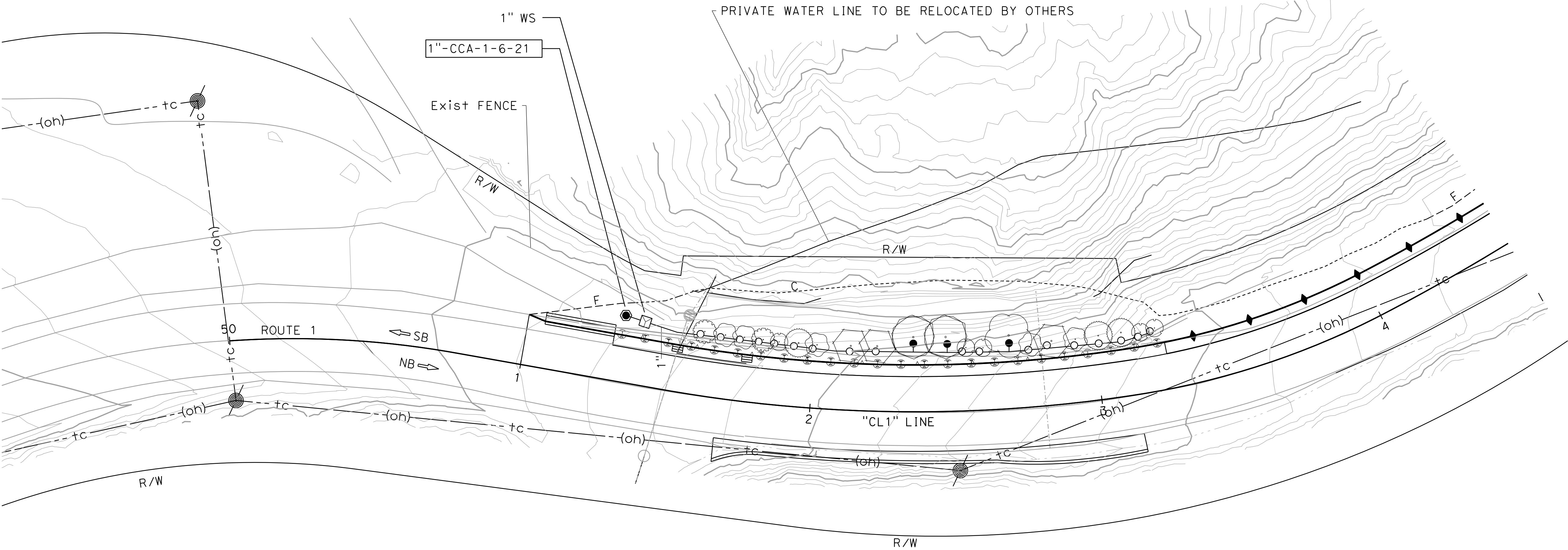
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34	-	-

LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

PLANS APPROVAL DATE

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IRRIGATION AND  
PLANTING PLAN

SCALE: 1" = 20'

IPP-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34	-	-

LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

PLANS APPROVAL DATE

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LICENSED LANDSCAPE ARCHITECT

1081th Hook No. 6985

Signature

10-31-25

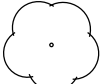

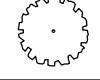
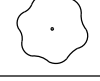
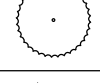
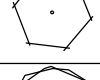

Renewal Date

XX-XX-XX

Date

STATE OF CALIFORNIA

PLANT LEGEND

PLANT GROUP (SIZE)	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	HOLE SIZE		BASIN TYPE	WOOD MULCH		ON-CENTER SPACING	SOIL AMENDMENT	ORGANIC FERTILIZER	MINIMUM PLANTING DISTANCE FROM:						REMARKS					
					DIAMETER	DEPTH		⑤ BASIN	(N) PLT ESTB				ETW	EP	FENCE	WALL	EARTH DITCH	SIDEWALK						
					INCH	INCH		CY	CY	ft	CY	OZ	ft	ft	ft	ft	ft	ft						
A (No. 1)	1		AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	①	②	11	0.10	0.05	③	0.02	3	③	③	③	③	③	③	SHRUB ④					
	2		ARCTOSTAPHYLOS HOOKERI	HOOKER'S MANZANITA	①	②	11	0.10	0.05	③	0.02	3	③	③	③	③	③	③	SHRUB ④					
	3		BACCHARIS PILULARIS	COYOTE BRUSH	①	②	11	0.10	0.05	③	0.02	3	③	③	③	③	③	③	SHRUB ④					
	4		FRANGULA CALIFORNICA	CALIFORNIA COFFEEBERRY	①	②	11	0.10	0.05	③	0.02	3	③	③	③	③	③	③	TREE ④					
	5		GARRYA ELLIPTICA	COAST SILKTASSEL	①	②	11	0.10	0.05	③	0.02	3	③	③	③	③	③	③	TREE ④					
	6		HETEROMELES ARBUTIFOLIA	TOYON	①	②	11	0.10	0.05	③	0.02	3	③	③	③	③	③	③	SHRUB ④					
	7		QUERCUS AGRIFOLIA	COAST LIVE OAK	①	②	11	0.10	0.05	③	0.02	3	③	③	③	③	③	③	TREE ④					

(N) - NOT A SEPARATE BID ITEM

APPLICABLE WHERE SHOWN:

- ① 2X ROOT BALL WIDTH
- ② SUFFICIENT TO RECEIVE ROOT BALL
- ③ AS SHOWN ON PLANS
- ④ ROOT PROTECTOR REQUIRED
- ⑤ WOOD MULCH MUST BE SHREDDED BARK MULCH

PLANT QUANTITIES

BOTANICAL NAME	COMMON NAME	PLANT GROUP			PLANT BASIN	ROOT PROTECTOR
		A	B	U	WOOD MULCH	
		EA	EA	EA	CY	EA
AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	1			0.1	1
ARCTOSTAPHYLOS HOOKERI	HOOKER'S MANZANITA	5			0.5	5
BACCHARIS PILULARIS	COYOTE BRUSH	2			0.2	2
FRANFULA CALFORNICA	COFFEEBERRY	5			0.5	5
GARRYA ELLIPTICA	COAST SILKTASSEL	3			0.3	3
HETEROMELES ARBUTIFOLIA	TOYON	3			0.3	3
QUERCUS AGRIFOLIA	COAST LIVE OAK	2			0.2	2
TOTAL		21			2.1	21


PLANT LEGEND & PLANTING QUANTITIES

PL-1

BORDER LAST REVISED 9/8/2021

USERNAME => DGN FILE => ...\\0521000188s+001 Plant Legend & Quantities.dgn

RELATIVE BORDER SCALE IS IN INCHES




UNIT 4660

PROJECT NUMBER & PHASE

05210001881

LAST REVISION | DATE PLOTTED => 11/20/2024 11-20-24 | TIME PLOTTED => 11:01:36 AM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT

COBBY KILMER

CALCULATED-DESIGNED BY

CHECKED BY

TOBIN HOOK

XXX XXX

REVISD BY

DATE REVISED

XX

XX-XX-XX

Dist

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

05

MON

1

44.34

-

-

LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

PLANS APPROVAL DATE

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LICENSED LANDSCAPE ARCHITECT

1001th Hook No. 6985

Signature

10-31-25

Renewal Date

XX-XX-XX

Date

STATE OF CALIFORNIA

EROSION CONTROL (TYPE 1)

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	REMARKS
		DESCRIPTION	TYPE		
STEP 1	COMPOST	COMPOST	FINE	270 CY/AC	2"
STEP 2	HYDROSEED	SEED	MIX	40 LB/ACRE	
		FIBER	WOOD	2500 LB/ACRE	
		TACKIFIER	PSYLLIUM	150 LB/ACRE	

ROLLED EROSION CONTROL PRODUCT (NETTING)

SEQUENCE	ITEM	MATERIAL		
		DESCRIPTION	TYPE	FASTENER
INSTALL AFTER EC (TYPE 1) BEFORE COMPOST SOCK	ROLLED EROSION CONTROL PRODUCT (NETTING)	COIR NETTING	A	8-GAUGE, 8 INCH STEEL STAPLE

COMPOST SOCK

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

SEED MIX

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ACHILLEA MILLEFOLIUM (YARROW)	50	0.5
ACMISPON MARITIMUS (DEERWEED)	50	1
ANAPHALUS MARGARITACEA (PEARLY EVERLASTING)	50	0.5
ARTEMESIA DOUGLASIANA (MUGWORT)	30	0.5
DIPLACUS AURANTIACUS (MONKEY FLOWER)	30	0.5
ELYMUS GLAUCUS (WILD BLUE RYE)	70	5
FESTUCA MICROSTACHYS (SMALL FESCUE)	70	2
LUPINUS ALBIFRONS (SILVER BUSH LUPINE)	50	5
LUPINUS NANUS (SKY LUPINE)	50	5
MELICA IMPERFECTA (COAST RANGE MELIC)	70	8
STIPA PULCHRA (PURPLE NEEDLE GRASS)	70	12

EROSION CONTROL QUANTITIES

EC SHEET	DESCRIPTION	COMPOST (CY)	ROLLED EROSION CONTROL PRODUCT (NETTING)	COMPOST SOCK	HYDROSEED	HYDROSEED MATERIALS (N)		
		CY	SQFT	LF	SQFT	SEED MIX (N)	FIBER (N)	TACKIFIER (N)
1	EC (TYPE 1)	38			6,135	5.63	352	21
	ROLLED EROSION CONTROL PRODUCT (NETTING)		3,000					
	COMPOST SOCK			625				
TOTAL		38	3,000	625	6,135	5.63	352	21

EROSION CONTROL LEGEND

ECL-1

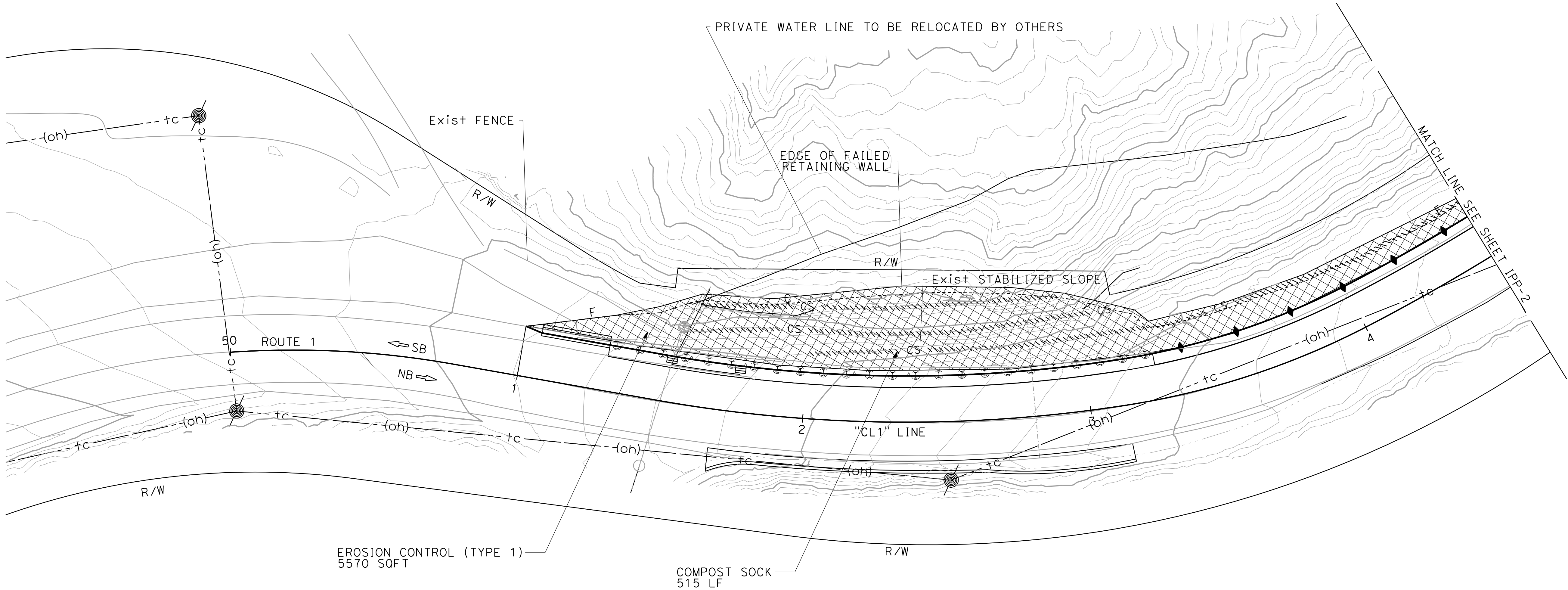


NOTES:

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

LEGEND:

EROSION CONTROL TYPE 1



EROSION CONTROL PLAN  
EC-1

SCALE: 1" = 20'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34	-	-

LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

PLANS APPROVAL DATE

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LICENSED LANDSCAPE ARCHITECT

10-31-25

Signature

Renewal Date

XX-XX-XX

Date

STATE OF CALIFORNIA

**NOTE:**

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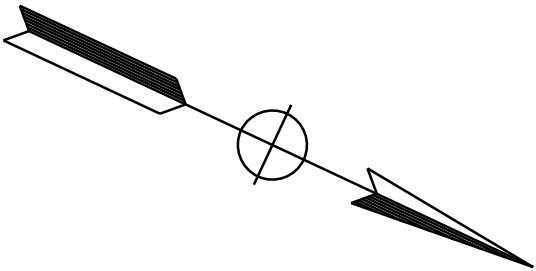
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	MON	1	44.34	-	-

LICENSED LANDSCAPE ARCHITECT

XX-XX-XX

PLANS APPROVAL DATE

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EROSION CONTROL PLAN

EC-2

SCALE: 1" = 20'



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

06-ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR

ALI BAKHDOUD

CALCULATED-DESIGNED BY

CHECKED BY

ANDREAS BAWANA

RAJINDER BRAR

REVISED BY

DATE REVISED

NOTES:  
1. FOR ACCURATE RIGHT OF WAY DATA,  
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.  
2. ALL PULL BOXES MUST BE NO. 3½ UNLESS OTHERWISE NOTED.

SYMBOLS:

- TEMPORARY WOOD POLE FB
- TEMPORARY WOOD POLE Sig AND Ltg
- GENERATOR SYSTEM
- Sig HEAD ON OVERHEAD BUNDLE
- OVERHEAD BUNDLE (CONDUCTORS AS NOTED)
- FUEL TANK
- CHAIN LINK FENCE AND GATE
- FUEL LINE
- TEMPORARY WOOD POLE Sig
- TEMPORARY WOOD POLE

ABBREVIATIONS:  
VID - VIDEO IMAGE DETECTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	44.34	XX	??

REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

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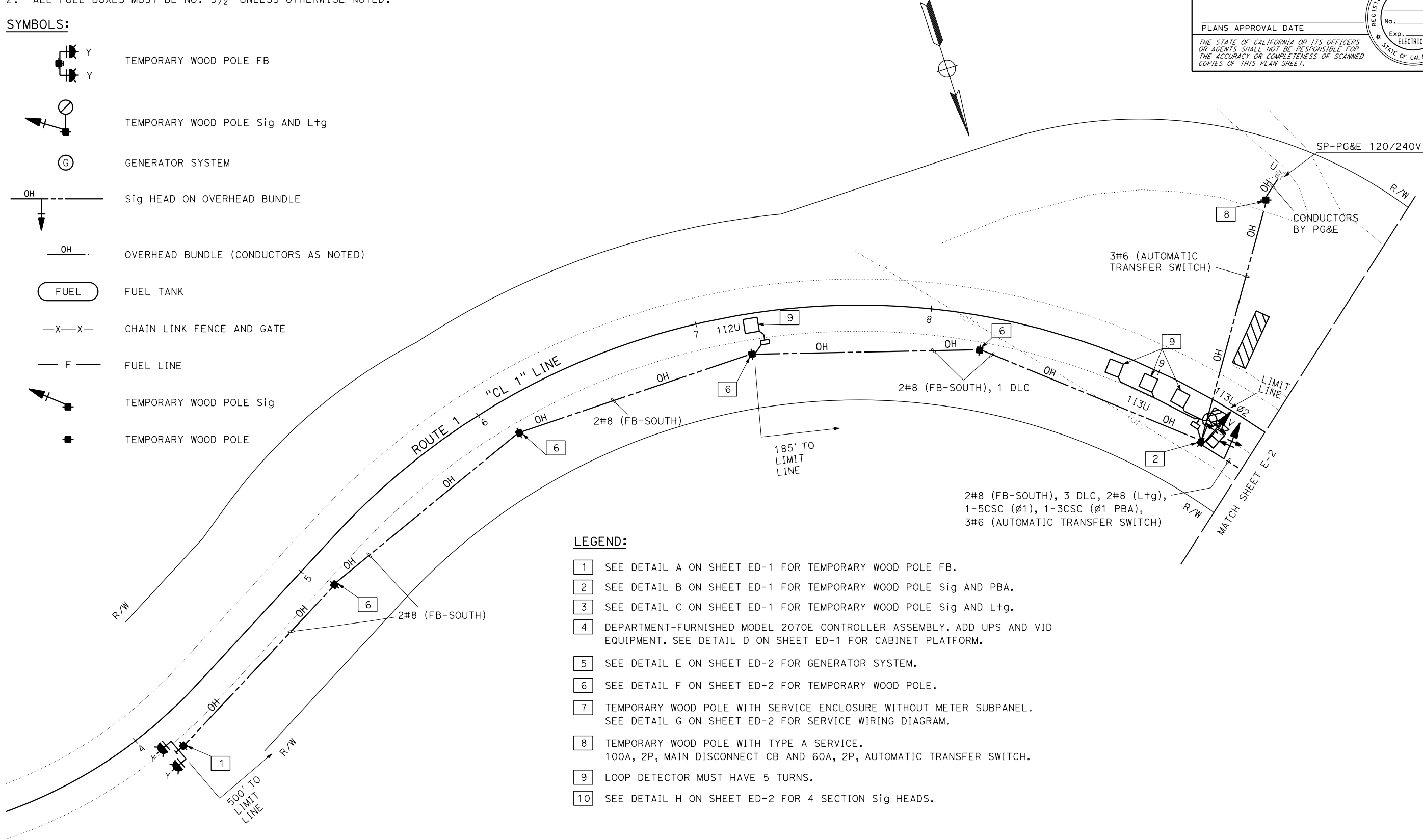
REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

ELECTRICAL

STATE OF CALIFORNIA



LEGEND:

- 1 SEE DETAIL A ON SHEET ED-1 FOR TEMPORARY WOOD POLE FB.
- 2 SEE DETAIL B ON SHEET ED-1 FOR TEMPORARY WOOD POLE Sig AND PBA.
- 3 SEE DETAIL C ON SHEET ED-1 FOR TEMPORARY WOOD POLE Sig AND Ltg.
- 4 DEPARTMENT-FURNISHED MODEL 2070E CONTROLLER ASSEMBLY. ADD UPS AND VID EQUIPMENT. SEE DETAIL D ON SHEET ED-1 FOR CABINET PLATFORM.
- 5 SEE DETAIL E ON SHEET ED-2 FOR GENERATOR SYSTEM.
- 6 SEE DETAIL F ON SHEET ED-2 FOR TEMPORARY WOOD POLE.
- 7 TEMPORARY WOOD POLE WITH SERVICE ENCLOSURE WITHOUT METER SUBPANEL. SEE DETAIL G ON SHEET ED-2 FOR SERVICE WIRING DIAGRAM.
- 8 TEMPORARY WOOD POLE WITH TYPE A SERVICE. 100A, 2P, MAIN DISCONNECT CB AND 60A, 2P, AUTOMATIC TRANSFER SWITCH.
- 9 LOOP DETECTOR MUST HAVE 5 TURNS.
- 10 SEE DETAIL H ON SHEET ED-2 FOR 4 SECTION Sig HEADS.

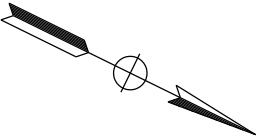
ELECTRICAL SYSTEM  
E-1  
SCALE: 1" = 20'

APPROVED FOR ELECTRICAL WORK ONLY

NOTES:

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	44.34	XX	??

REGISTERED ELECTRICAL ENGINEER

DATE

PLANS APPROVAL DATE

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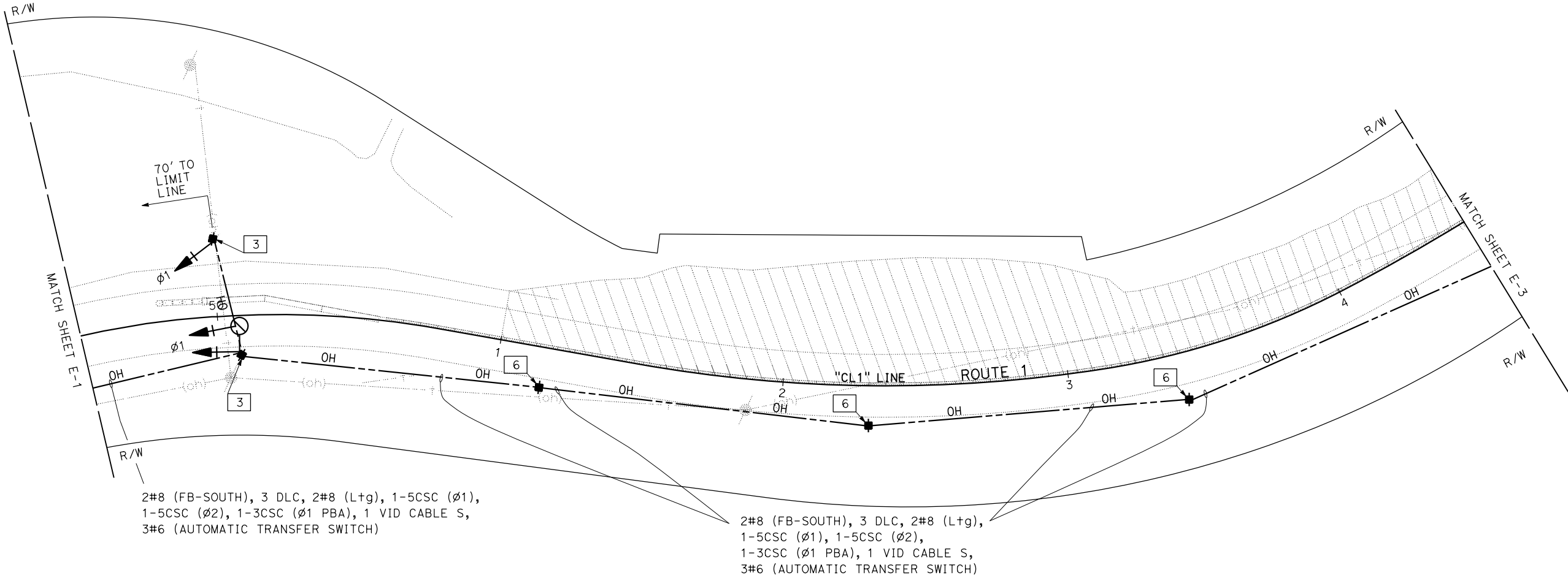
REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

ELECTRICAL

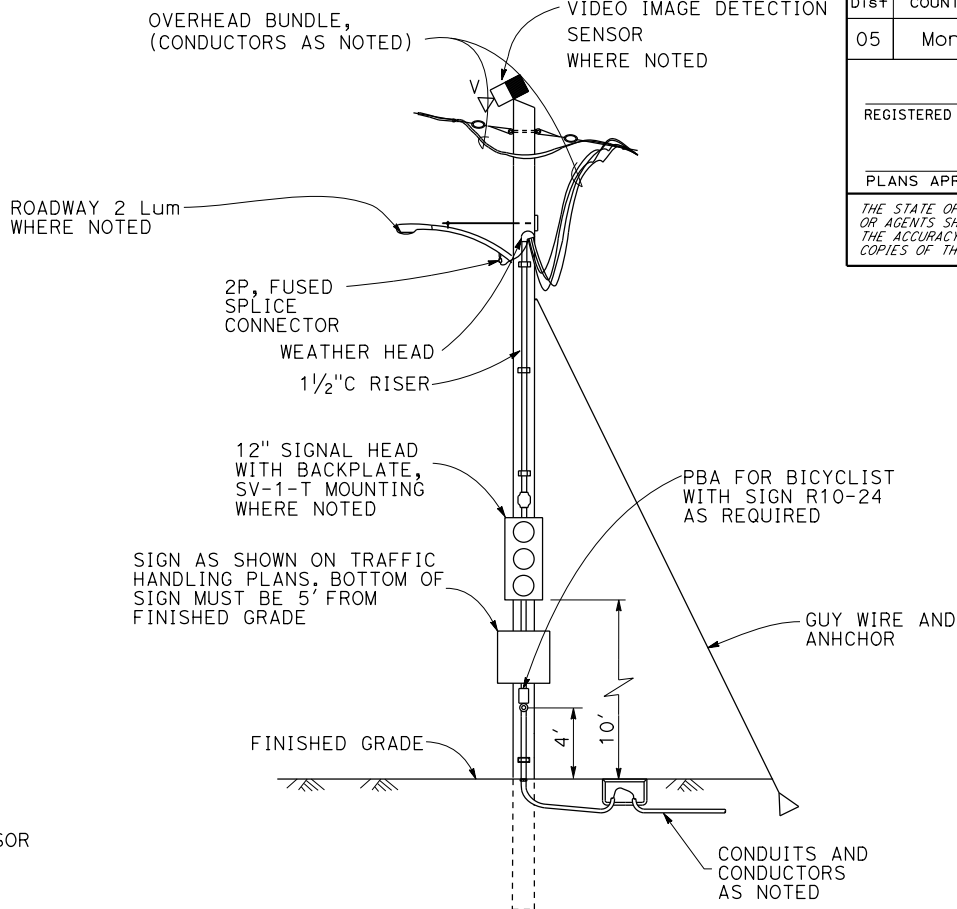
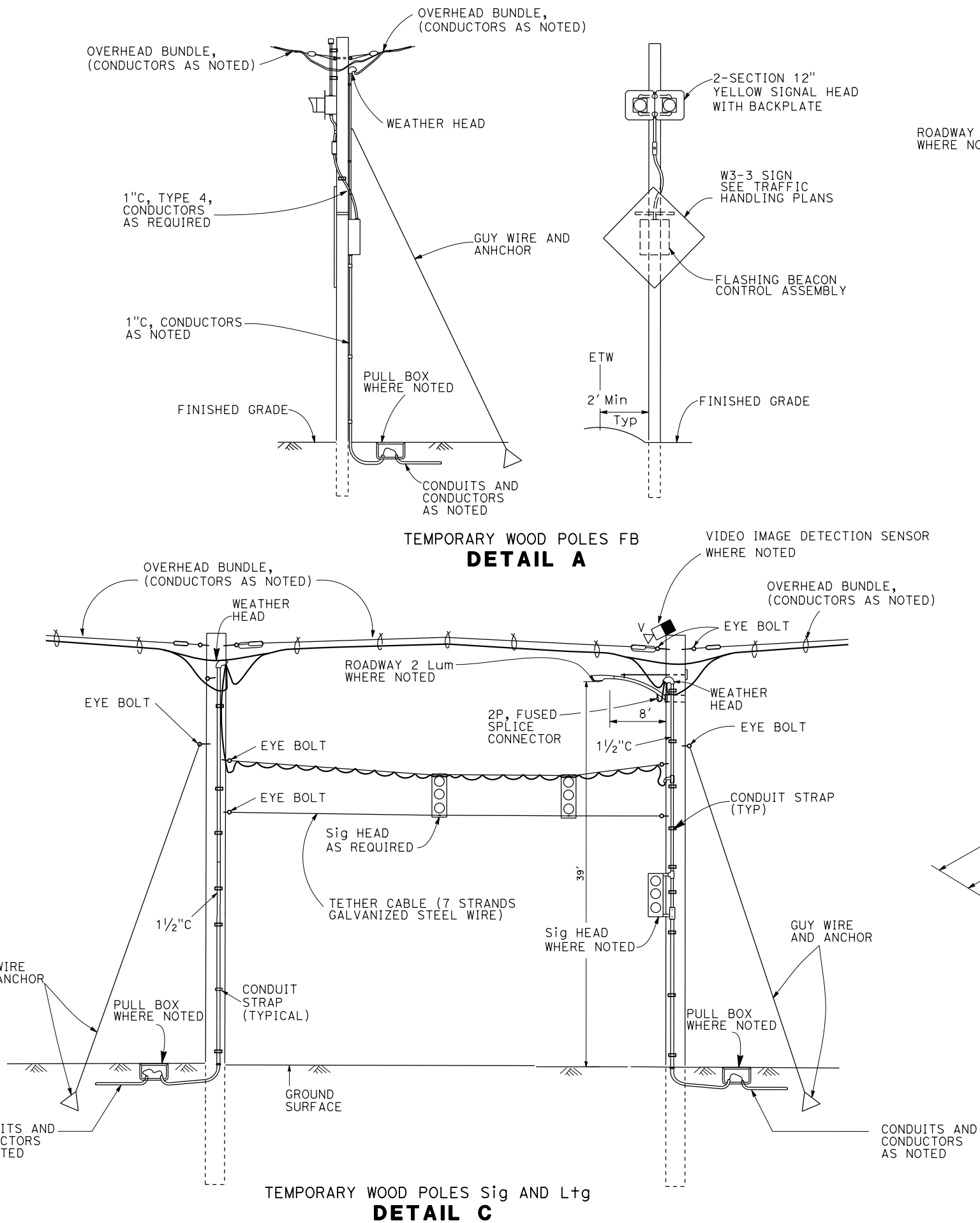
STATE OF CALIFORNIA



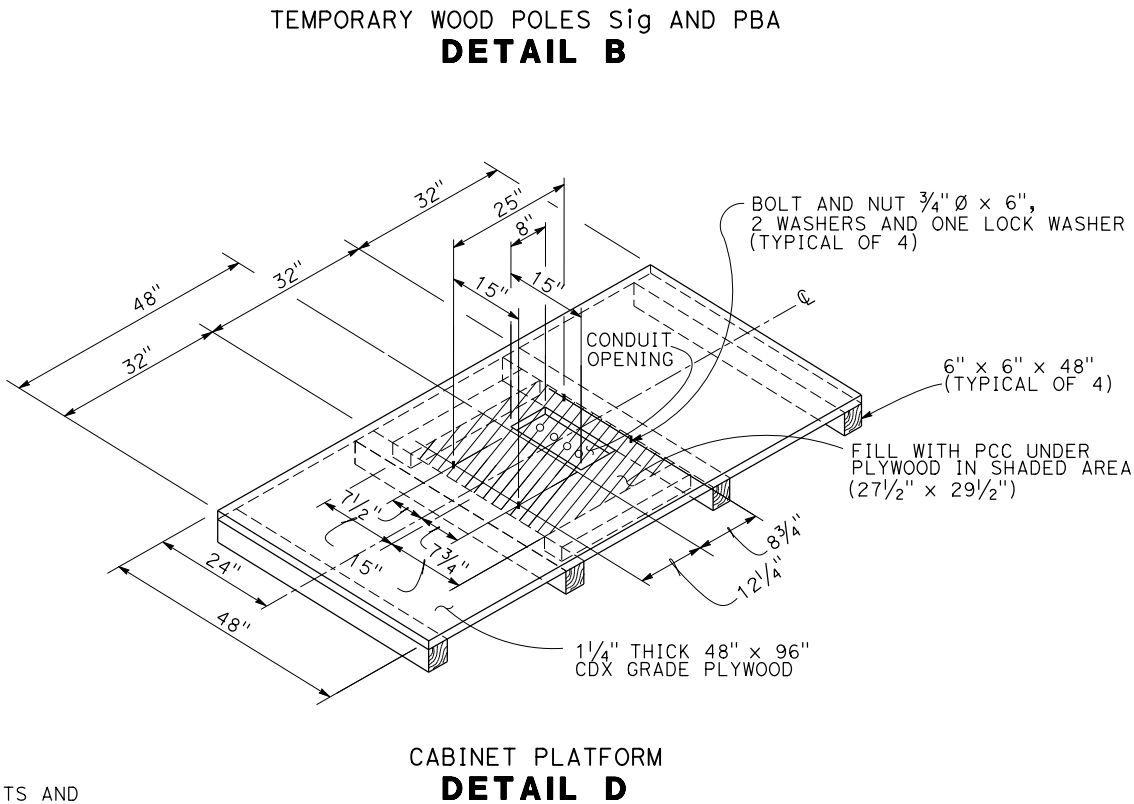
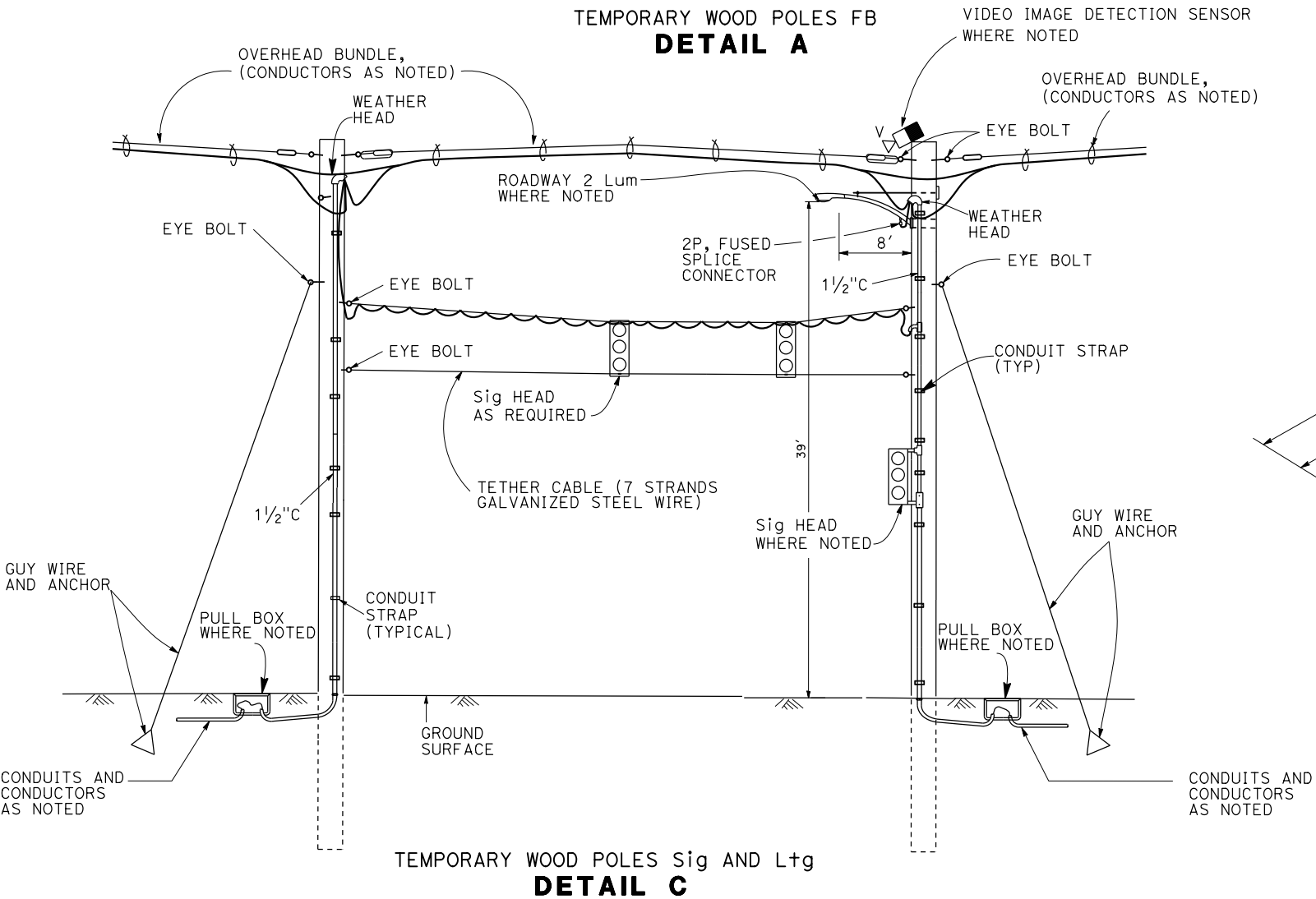
APPROVED FOR ELECTRICAL WORK ONLY

ELECTRICAL SYSTEM  
SCALE: 1" = 20'  
E-2





Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	44.34	XX	??
REGISTERED ELECTRICAL ENGINEER			DATE		
PLANS APPROVAL DATE			No.		
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ELECTRICAL DETAILS

ED-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

**Caltrans** 06-ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR

ALI BAKHDOUD

DESIGNED BY

CHECKED BY

ANDREAS BAWANA

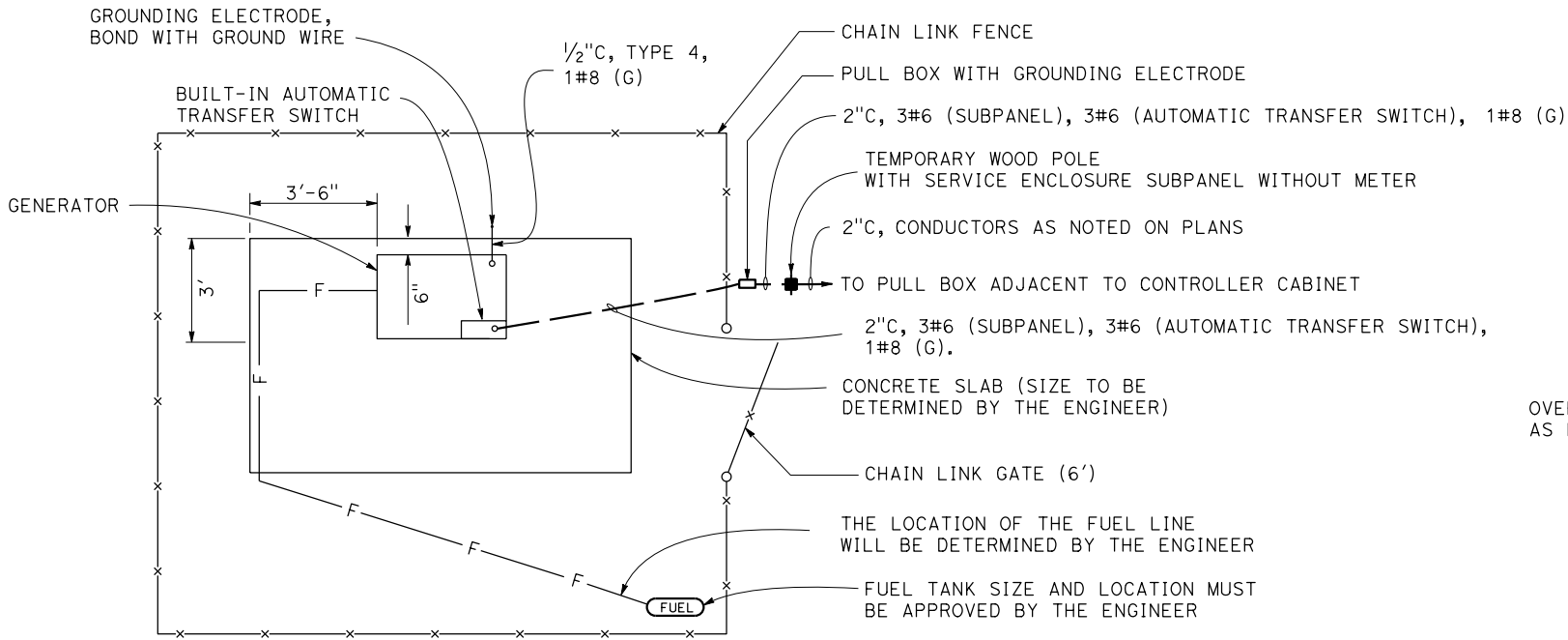
RAJINDER BRAR

REVISOR

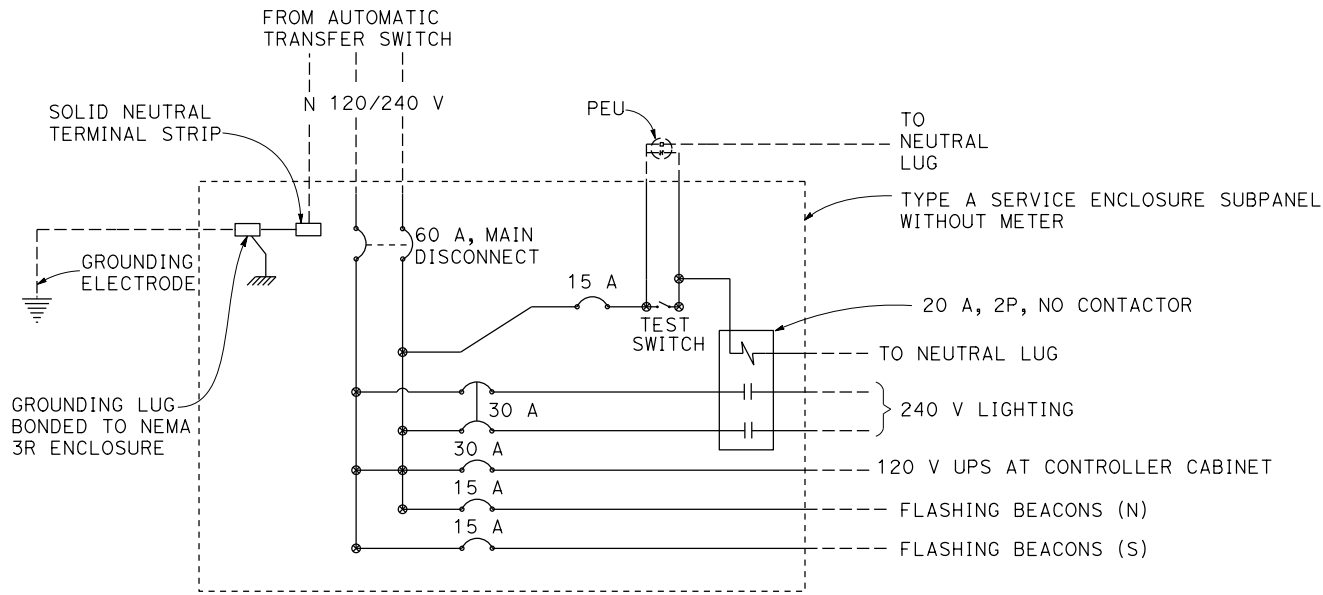
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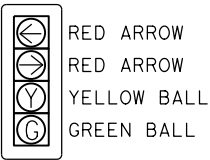
DATE



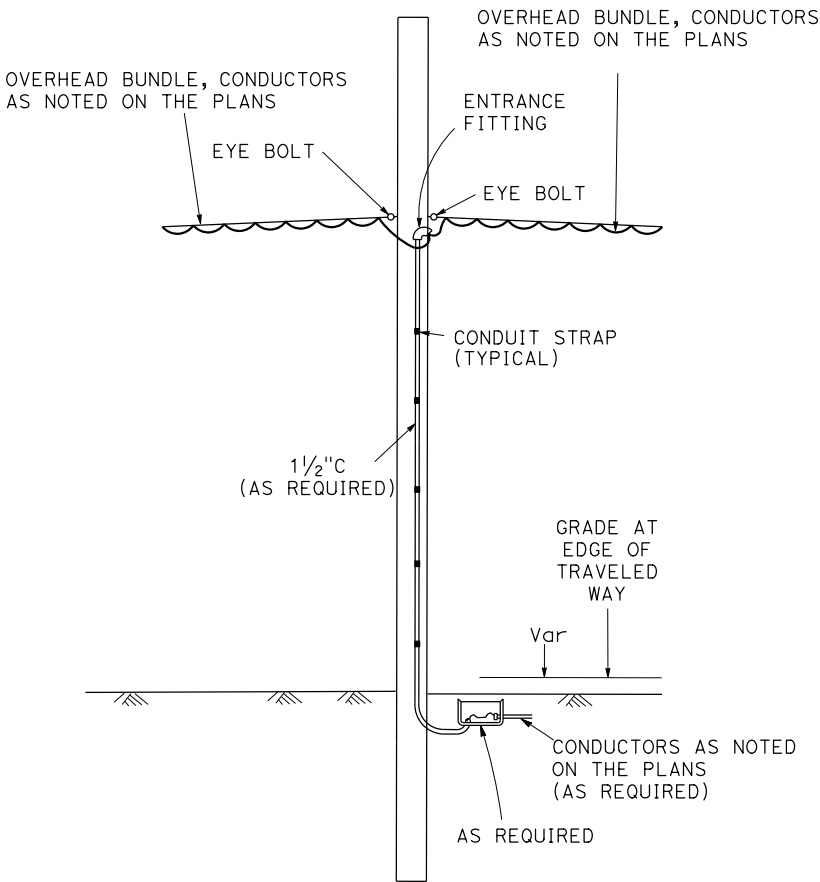
GENERATOR SYSTEM  
DETAIL E



SERVICE ENCLOSURE WIRING DIAGRAM  
DETAIL G



FOUR SECTION SIGNAL HEAD  
DETAIL H



TEMPORARY WOOD POLE  
DETAIL F

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	44.34	XX	??

REGISTERED ELECTRICAL ENGINEER    DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER  
No.    Exp.    ELECTRICAL  
STATE OF CALIFORNIA

x

x

x

x

x

NOTE:

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

ABBREVIATIONS:

VID - VIDEO IMAGE DETECTION

TEMPORARY SIGNAL SYSTEM

SHEET No.	(N)																							
	No. 3 1/2 PB	No. 6 PB	DETECTOR LOOP, TYPE A	DETECTOR LOOP, TYPE D	GENERATOR SYSTEM	UPS	CABINET PLATFORM	TEMPORARY WOOD POLE WITH TYPE A SERVICE ENCLOSURE	TEMPORARY WOOD POLE	TEMPORARY WOOD POLES WITH Sig AND Ltg EQUIPMENT	TEMPORARY WOOD POLE WITH Sig AND PBA EQUIPMENT	TEMPORARY WOOD POLE FB	VID SENSOR	VDS EQUIPMENT	2"C, TYPE 3	3"C, TYPE 3	No. 8 CONDUCTOR	No. 6 CONDUCTOR	No. 8 CONDUCTOR (G)	5CSC	3CSC	DLC	MESSENGER AND LASHING WIRE	VID CABLE
	EA															LF								
	E-1	2		4	1				1	4	1	1	1	1	1			1120	390	520	40	40	575	650
E-2									3	2					40	20	2120	1590	530	1110	530	1590	520	525
E-3	3	1	4	1	1	1	1	1	4	3	1	1	1	1			2550	380	950	780	325	1515	920	250

(N) - NOT A SEPARATE BID ITEM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	44.34	XX	??

REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

No.

Exp. ELECTRICAL

STATE OF CALIFORNIA

# UNCHECKED DETAILS

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

REGISTERED PROFESSIONAL ENGINEER

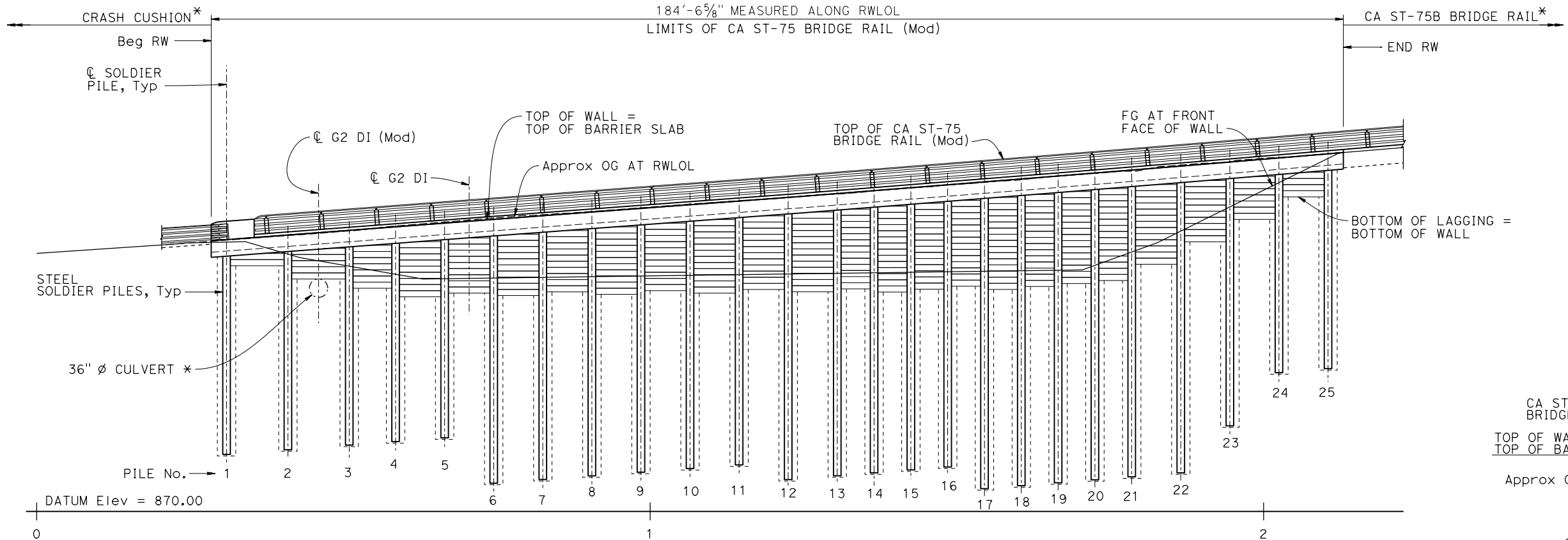
Noah Habtezion

No. 91388

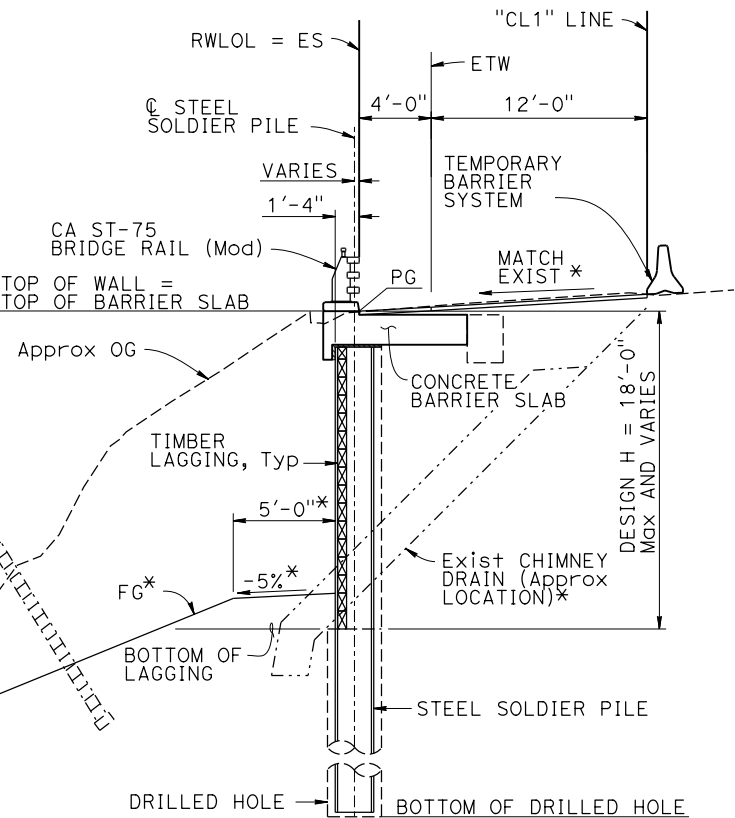
Exp. 06-30-26

CIVIL

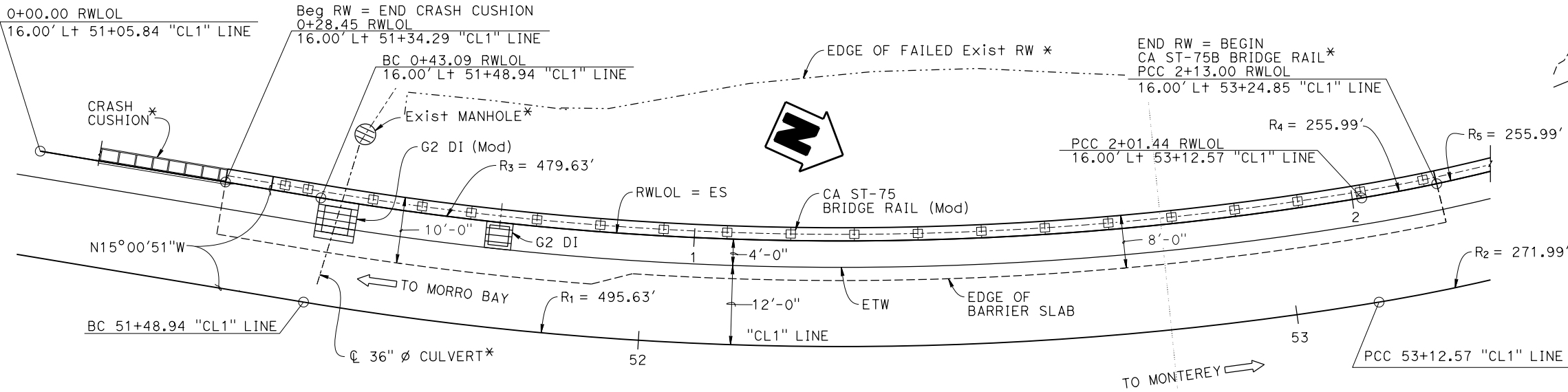
STATE OF CALIFORNIA



DEVELOPED MIRRORED ELEVATION  
1" = 10'



TYPICAL SECTION  
3/8" = 1'-0"



PLAN  
1" = 10'

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

CURVE DATA		
R <sub>1</sub> = 495.63'	R <sub>2</sub> = 271.99'	R <sub>3</sub> = 479.63'
Δ = 18°54'56"	Δ = 18°36'57"	Δ = 18°54'56"
T = 82.57'	T = 44.58'	T = 79.90'
L = 163.63'	L = 88.37'	L = 158.35'
R <sub>4</sub> = 255.99'	R <sub>5</sub> = 255.99'	
Δ = 02°35'15"	Δ = 16°03'01"	
T = 5.78'	T = 36.09'	
L = 11.56'	L = 71.71'	

Hernan Perez BRANCH CHIEF	DESIGN	BY Carol Tang	CHECKED Noah Habtezion	SEISMIC ANALYSIS	BY N/A	CHECKED N/A	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 15	BRIDGE No.	COASTLANDS II RETAINING WALL GENERAL PLAN			
	DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion	LAYOUT	BY Carol Tang	CHECKED Noah Habtezion			44E0029				
	QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta	SPECIFICATIONS	BY X	PLANS AND SPECS COMPARED X			44.3				
	DATE PLOTTED => 20-NOV-2024 FILE => 05-1p210-a-gp.dgn								TIME PLOTTED => 16:45 USERNAME => s150745		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REVISION 6/5/2023)								UNIT: 3604 PROJECT NUMBER & PHASE: 05210001881		COUNTY/ROUTE/ZONE: Mon/001/4 CONTRACT No.: 05-1P2104	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 1 OF 14

GENERAL NOTES  
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:  
AASHTO LRFD Bridge Design Specifications,  
2019 edition with California Amendments  
updated April 2022

Standard Plans and Specifications, 2024 edition

LIVE LOADING:  
2'-0" Live Load Surcharge

SEISMIC LOADING:  
Soil Profile: Vs30 = 1130 ft+/sec  
Moment Magnitude: Mmax = 6.86  
Peak Ground Acceleration: 0.4 g

REINFORCED CONCRETE (CONCRETE BARRIER SLAB):  
fy = 60 ksi  
fc = 4.0 ksi

STEEL SOLDIER PILES AND STEEL PLATES:  
Fy = 50 ksi

STRUCTURAL TIMBER:  
Treated Douglas Fir No. 1 or better

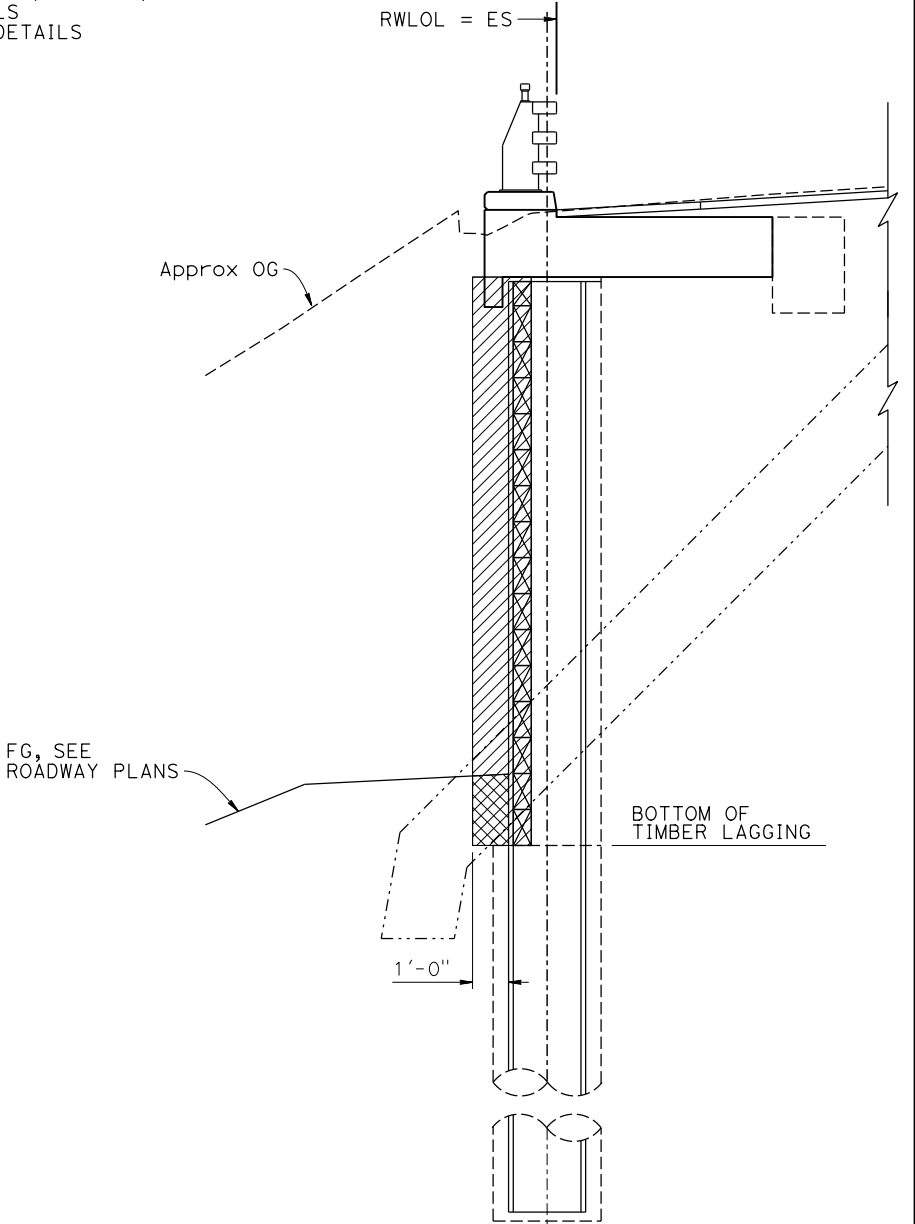
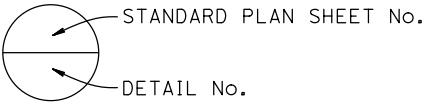
SOIL PARAMETERS:  
For Determination of Design Lateral Earth Pressure

Layer	Elevation (ft)	Soil Type	Unit Weight (pcf)	Friction Angle (°)	Cohesion (psf)
1	950.2-930	Clayed Sand	120	32	0
2	930-905	Clayed Sand	130	35	0
3	905-888	Graywacke	140	38	0
4	888-875	Serpentinite	150	40	4000
4 (used)*	888-875	Serpentinite	140	38	2000

\* These parameters were used for soldier pile wall design and the values were updated based on correspondence with Geotechnical Services.

INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN
2	INDEX TO PLANS
3	STRUCTURE PLAN No. 1
4	STRUCTURE PLAN No. 2
5	FOUNDATION PLAN
6	SOLDIER PILE WALL DETAILS
7	CONCRETE BARRIER SLAB DETAILS No. 1
8	CONCRETE BARRIER SLAB DETAILS No. 2
9	CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 1
10	CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 2
11	TRANSITION END BLOCK DETAILS
12	SOLDIER PILE WALL LAGGING DETAILS
13	TEST BORING LAYOUT
14	LOG OF TEST BORINGS



- LEGEND:
- Structure Excavation (Soldier Pile Wall)
  - Structure Backfill (Soldier Pile Wall)

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

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

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 6/5/2023)	DESIGN	BY Carol Tang	CHECKED Noah Habtezion	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 15	BRIDGE No.	COASTLANDS II RETAINING WALL INDEX TO PLANS										
	DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			44E0029											
	QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta			44.3											
DATE PLOTTED => 20-NOV-2024 FILE => 05-1p210-b-1tp.dgn				TIME PLOTTED => 16:45 USERNAME => s150745		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3604 PROJECT NUMBER & PHASE: 05210001881		COUNTY/ROUTE/ZONE: Mon/001/4 CONTRACT No.: 05-1P2104		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES		SHEET	OF
						0 1 2 3						05-20-24 11-18-24 11-12-24		2	14		



Dist

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

REGISTERED CIVIL ENGINEER

X  
DATE

Noah Habtezion

No. 91388

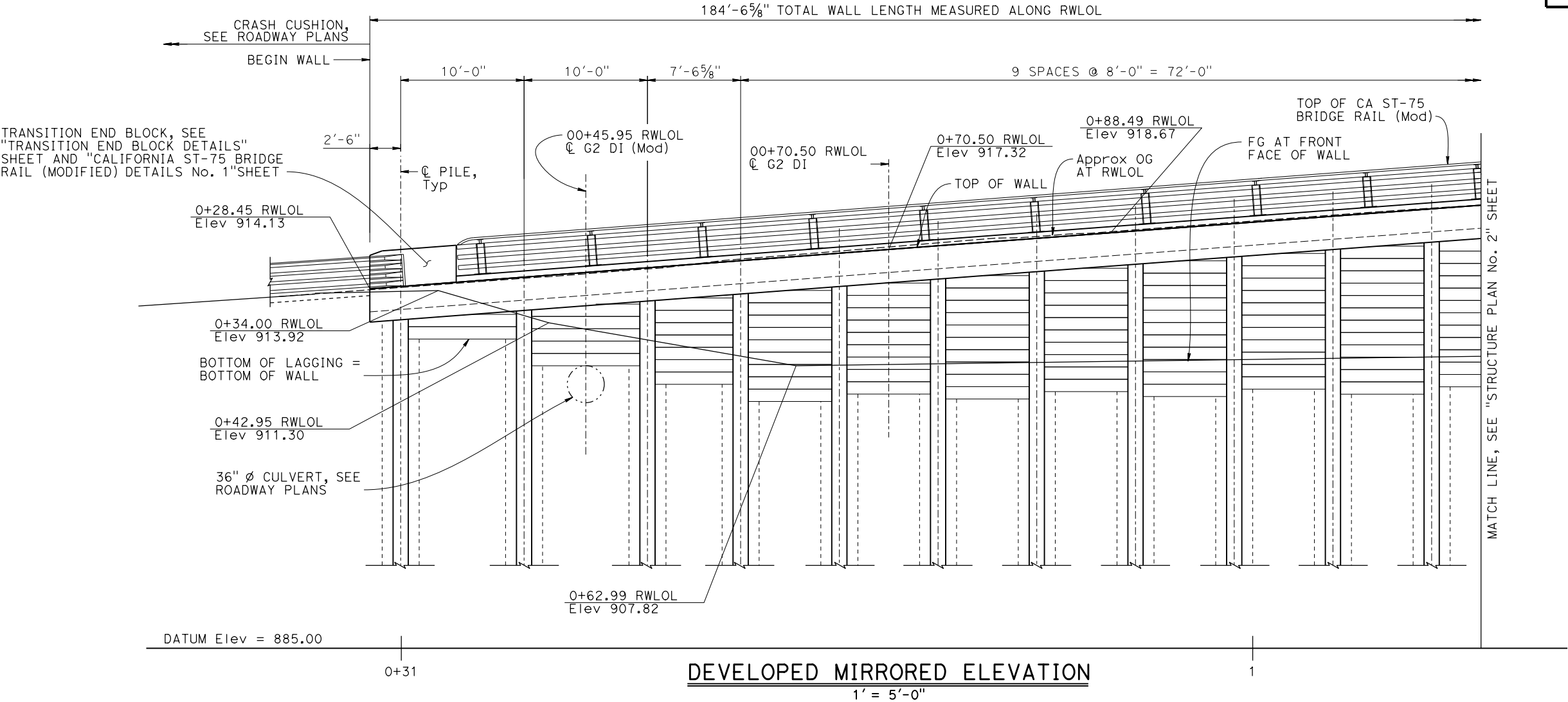
Exp. 06-30-26

CIVIL

STATE OF CALIFORNIA

PLANS APPROVAL DATE

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.



PILE DATA TABLE											
PILE No.	1	2	3	4	5	6	7	8	9	10	11
Sta @ CL OF PILE	00+30.95	00+40.95	00+50.95	00+58.50	00+66.50	00+74.50	00+82.50	00+90.50	00+98.50	01+06.50	01+14.50
TOP OF WALL ELEVATION (FT)	914.32	915.08	915.84	916.41	917.02	917.62	918.22	918.82	919.42	920.02	920.61
TOP OF PILE ELEVATION (FT)	912.33	913.09	913.85	914.42	915.03	915.63	916.23	916.83	917.43	918.02	918.62
PILE LENGTH (FT)	33					41					
PILE TYPE	W18x143										
DRILLED HOLE DIAMETER (IN)	30										
NUMBER OF LAGGING	3	6	8	10	10	11	11	12	12	13	13

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

STRUCTURES DESIGN DETAIL SHEET  
(ENGLISH) (REVISION 6/5/2023)

DESIGN

BY Carol Tang

CHECKED Noah Habtezion

DETAILS

BY Ecaterina Poleanscaia

CHECKED Noah Habtezion

QUANTITIES

BY Roberto Macias

CHECKED Adrian Peralta

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE DESIGN

BRANCH 15

BRIDGE No.

44E0029

POST MILE

44.3

COASTLANDS II RETAINING WALL

STRUCTURE PLAN No. 1

DATE PLOTTED => 20-NOV-2024  
FILE => 05-1p210-c-sp01.dgn

TIME PLOTTED => 16:45  
USERNAME => s150745

ORIGINAL SCALE  
IN INCHES FOR  
REDUCED PLANS

0 1 2 3

UNIT: 3604

COUNTY/ROUTE/ZONE: Mon/001/4

PROJECT NUMBER & PHASE: 05210001881

CONTRACT No.: 05-1P2104

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

05-20-24 08-28-24 10-17-24

SHEET 3 OF 14

Dist

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

REGISTERED CIVIL ENGINEER

X  
DATE

REGISTERED PROFESSIONAL ENGINEER

Noah Habtezion

No. 91388

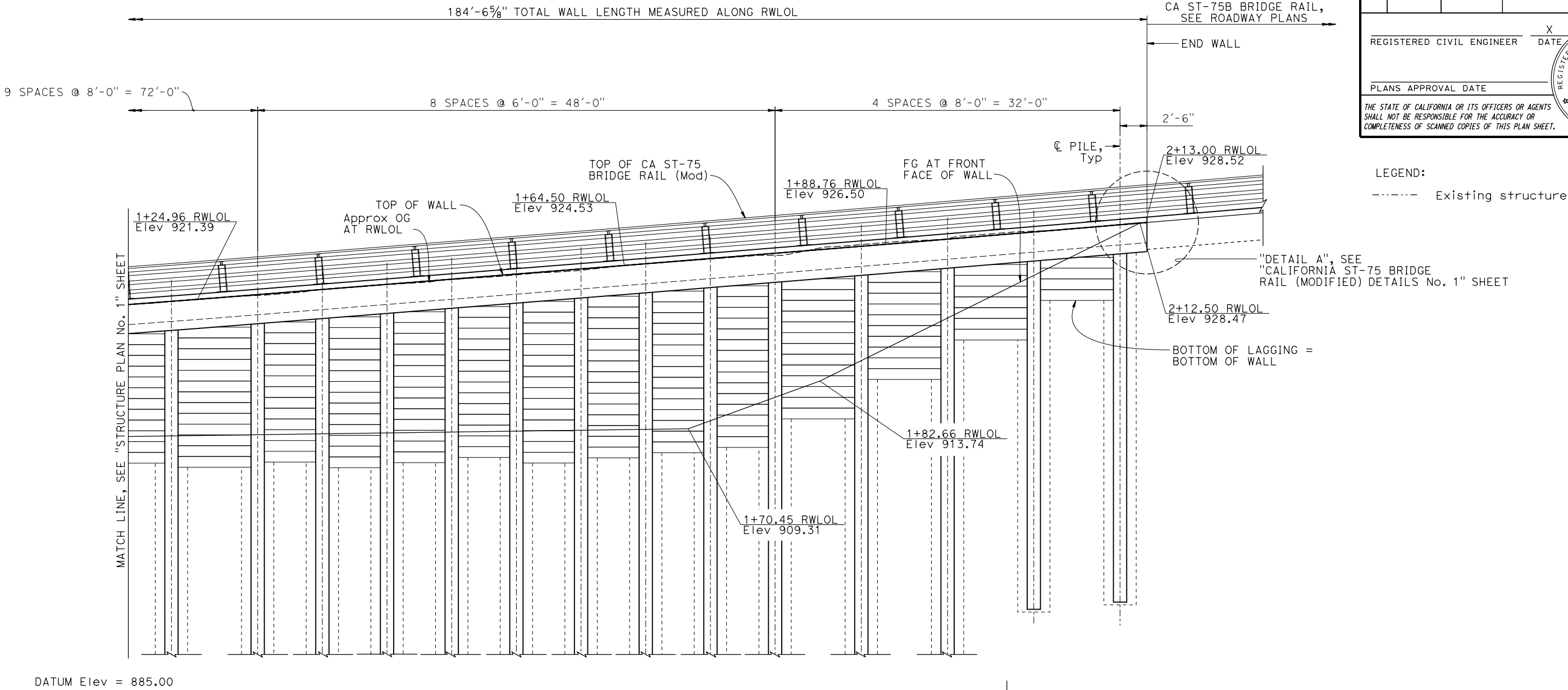
Exp. 06-30-26

CIVIL

STATE OF CALIFORNIA

PLANS APPROVAL DATE

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.



DEVELOPED MIRRORED ELEVATION

1' = 5'-0"

PILE DATA TABLE														
PILE No.	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Sta @ CL OF PILE	01+22.50	01+30.50	01+36.50	01+42.50	01+48.50	01+54.50	01+60.50	01+66.50	01+72.50	01+78.50	01+86.50	01+94.50	02+02.50	02+10.50
TOP OF WALL ELEVATION (FT)	921.21	921.83	922.31	922.79	923.26	923.74	924.22	924.70	925.18	925.67	926.32	926.98	927.65	928.31
TOP OF PILE ELEVATION (FT)	919.22	919.84	920.32	920.79	921.27	921.75	922.23	922.71	923.19	923.68	924.33	924.99	925.65	926.32
PILE LENGTH (FT)	44					48						41	33	
PILE TYPE	W18x192											W18x143		
DRILLED HOLE DIAMETER (IN)	30													
NUMBER OF LAGGING	14	14	15	15	15	16	16	16	16	14	11	8	5	

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

DESIGN

BY Carol Tang

CHECKED Noah Habtezion

DETAILS

BY Ecaterina Poleanscaia

CHECKED Noah Habtezion

QUANTITIES

BY Roberto Macias

CHECKED Adrian Peralta

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE DESIGN

BRANCH 15

BRIDGE No.

44E0029

POST MILE

44.3

COASTLANDS II RETAINING WALL

STRUCTURE PLAN No. 2

STRUCTURES DESIGN DETAIL SHEET  
(ENGLISH) (REVISION 6/5/2023)

DATE PLOTTED => 20-NOV-2024  
FILE => 05-1p210-c-sp02.dgn

TIME PLOTTED => 16:46  
USERNAME => s150745

ORIGINAL SCALE  
IN INCHES FOR  
REDUCED PLANS

0123

UNIT: 3604  
PROJECT NUMBER & PHASE: 05210001881

COUNTY/ROUTE/ZONE: Mon/001/4  
CONTRACT No.: 05-1P2104

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

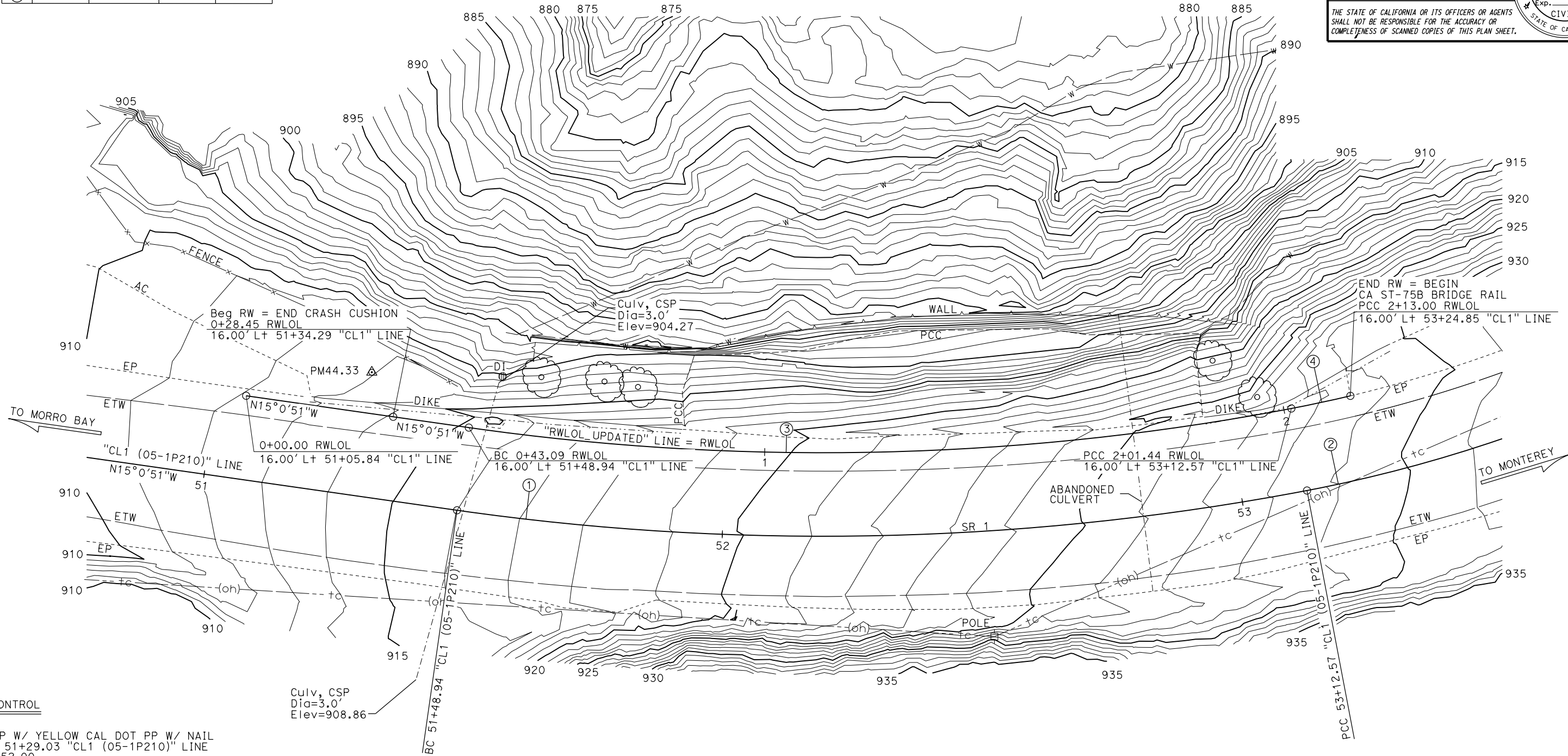
REVISION DATES

05-20-2405-28-2410-11-2411-12-24

SHEET 4 OF 14

CURVE DATA				
No.	R	Δ	T	L
①	495.63'	18°54'56"	82.57'	163.63'
②	271.99'	18°36'57"	44.58'	88.37'
③	479.63'	18°54'56"	79.90'	158.35'
④	255.99'	02°35'15"	5.78'	11.56'

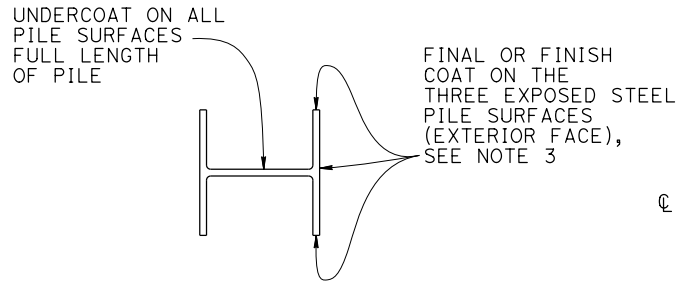
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE			X		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.			REGISTERED PROFESSIONAL ENGINEER No. X Exp. X CIVIL STATE OF CALIFORNIA		



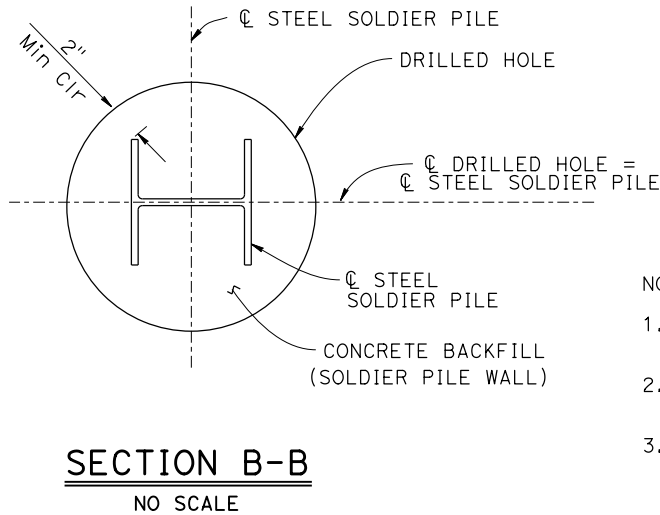
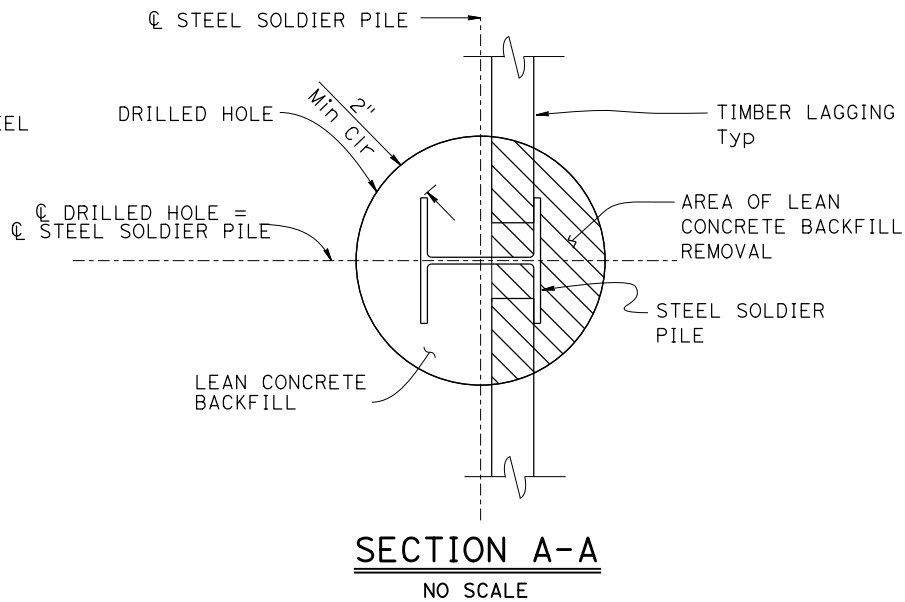
**SURVEY CONTROL**  
PM44.33  
Fnd 1" IP W/ YELLOW CAL DOT PP W/ NAIL  
23.87' L+ 51+29.03 "CL1 (05-1P210)" LINE  
N 1,977,152.00  
E 5,746,938.58  
Elev = 913.15  
PM44.45 (NOT SHOWN ON PLAN)  
Fnd 1" IP W/ RED CALTRANS CONTROL PP W/ NAIL  
20.23' L+ 54+49.70 "CL1 (05-1P210)" LINE  
N 1,977,401.17  
E 5,746,777.87  
Elev = 936.80

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

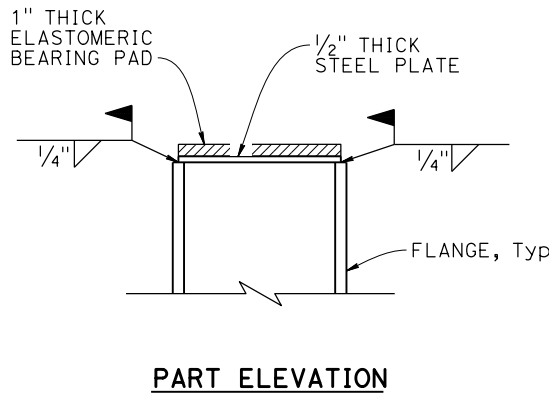
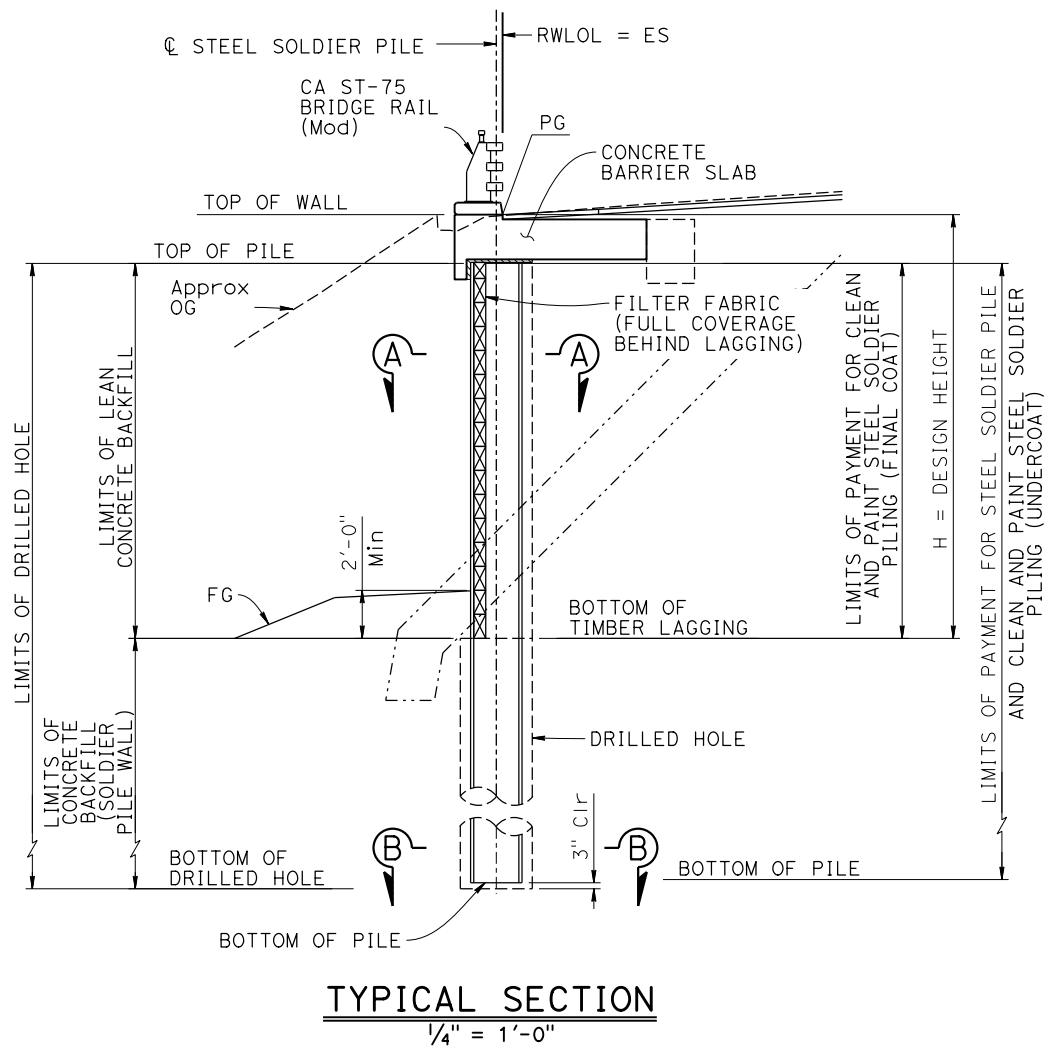
PRELIMINARY INVESTIGATIONS BRANCH					DESIGN		BY		CHECKED		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE No.		COASTLANDS II SPW	
SCALE:	VERT. DATUM:	NAV D88	SURVEYED	BY	District	CHECKED	E. Gonzales	DETAILS	By	Ecaterina Poleanscaia	CHECKED	Noah Habtezion	BRIDGE No.	44EOTBD	POST MILE	44.34	FOUNDATION PLAN	
1" = 10'	HORIZ. DATUM:	CCS83 (2010)	DRAFTED	BY	S. Zheng	CHECKED	R. Coria	QUANTITIES	BY	Roberto Macias	CHECKED	Adrian Peralta	BRIDGE No.	44EOTBD	POST MILE	44.34		
STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REVISION 4/21/2021)					DATE PLOTTED => 20-NOV-2024		TIME PLOTTED => 16:46		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		UNIT: 3646		COUNTY/ROUTE/ZONE: Mon/001/4		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
					FILE => 05-1p210-e-fdp101.dgn		USERNAME => s150745						PROJECT NUMBER & PHASE: 05210001881		CONTRACT No.: 05-1P2104		REVISION DATES	
																	08/07/24	
																	5	
																	14	



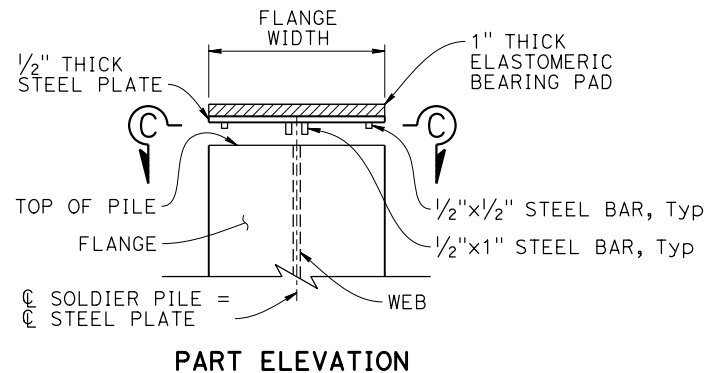
**CLEAN & PAINT  
STEEL SOLDIER PILE**  
NO SCALE



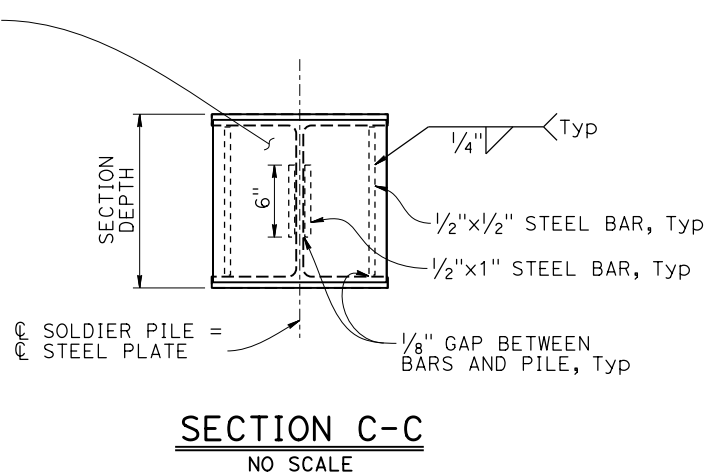
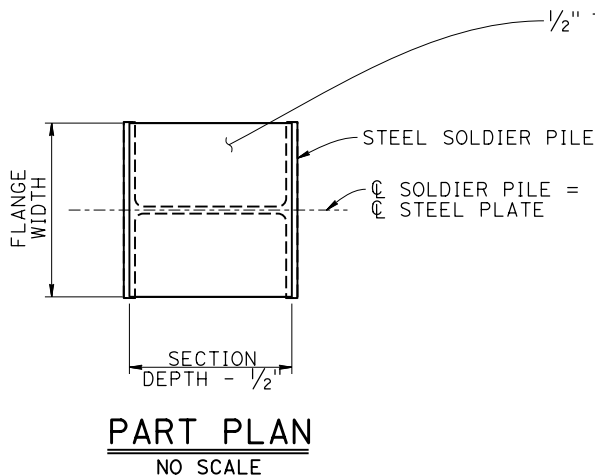
- NOTES:
- Filter fabric must be placed against lagging before backfilling. Splices in fabric shall have a 1'-0" lap.
  - Lean concrete must be removed only as necessary for placement of lagging.
  - Clean and paint undercoat on all surfaces of steel pile. Paint final coat after installation of piles and removal of lean concrete backfill.
  - For lagging details see "SOLDIER PILE WALL LAGGING DETAILS" sheet.
  - For location of pile cap, see "SECTION D-D" on "CONCRETE BARRIER SLAB DETAILS No. 1" sheet.



**PILE CAP DETAILS (ALTERNATIVE 1)**  
NO SCALE



**PILE CAP DETAILS (ALTERNATIVE 2)**  
NO SCALE



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

DESIGN	BY Carol Tang	CHECKED Noah Habtezion
DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion
QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta

**STATE OF  
CALIFORNIA**  
DEPARTMENT OF TRANSPORTATION

**DIVISION OF ENGINEERING SERVICES  
BRIDGE DESIGN  
BRANCH 15**

BRIDGE No.
44E0029
POST MILE
44.3

**COASTLANDS II RETAINING WALL  
SOLDIER PILE WALL DETAILS**

STRUCTURES DESIGN DETAIL SHEET  
(ENGLISH) (REVISION 6/5/2023)

DATE PLOTTED => 20-NOV-2024  
FILE => 05-1p210-p-spwdt.dgn

TIME PLOTTED => 16:46  
USERNAME => s150745

ORIGINAL SCALE  
IN INCHES FOR  
REDUCED PLANS

0 1 2 3

UNIT: 3604  
PROJECT NUMBER & PHASE: 05210001881

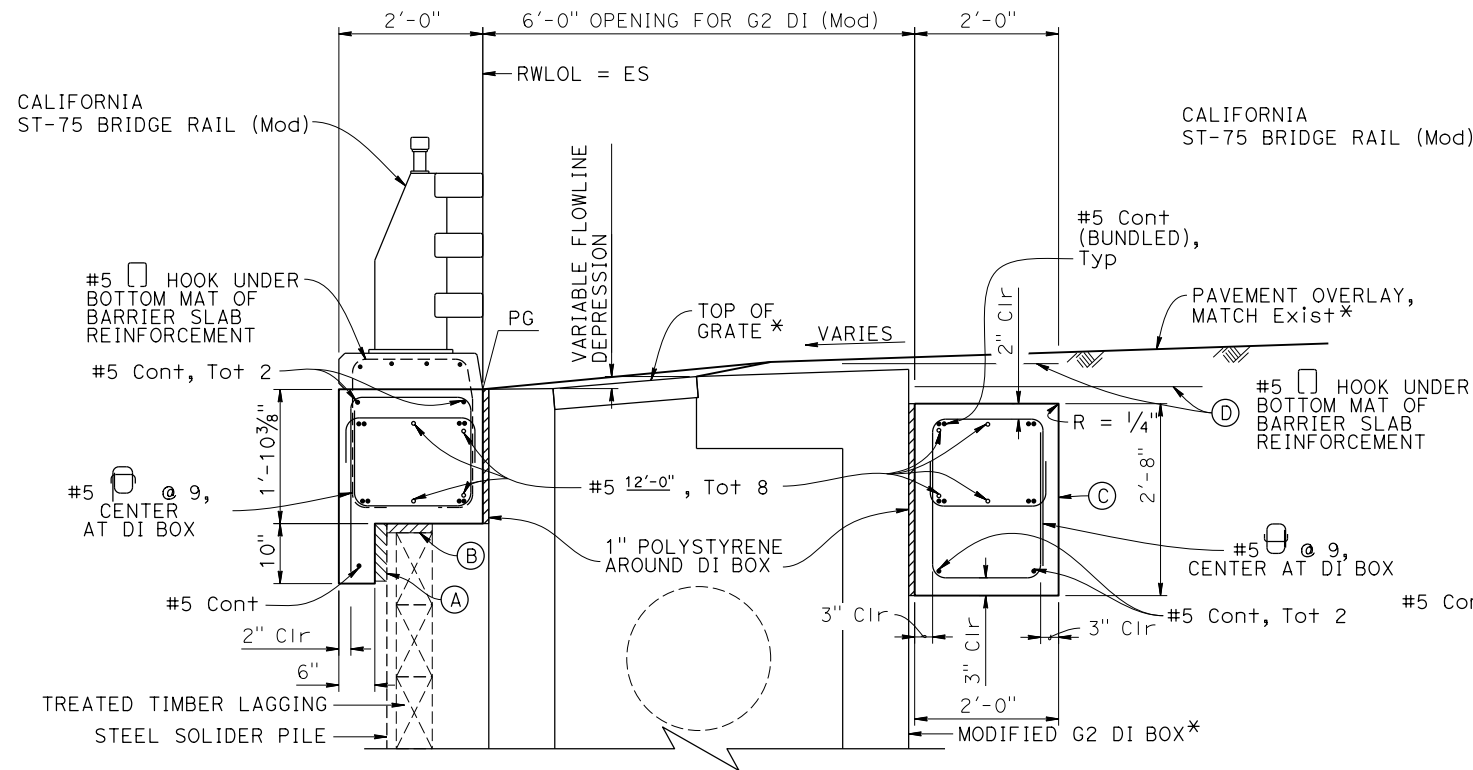
COUNTY/ROUTE/ZONE: Mon/001/4  
CONTRACT No.: 05-1P2104

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

REVISION DATES  
05-20-24 08-26-24 10-16-24 11-12-24

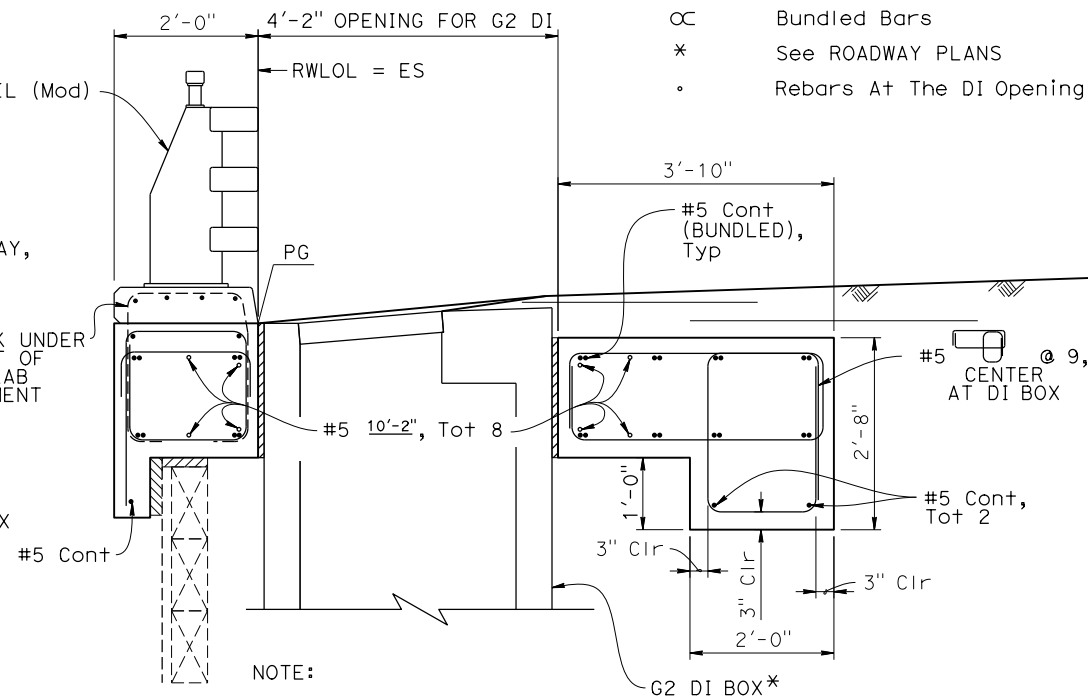
SHEET 6 OF 14





10'-0" WIDE CONCRETE BARRIER SLAB  
WITH MODIFIED G2 DI OPENING

3/4" = 1'-0"



10'-0" WIDE CONCRETE BARRIER SLAB  
WITH STANDARD G2 DI OPENING

3/4" = 1'-0"

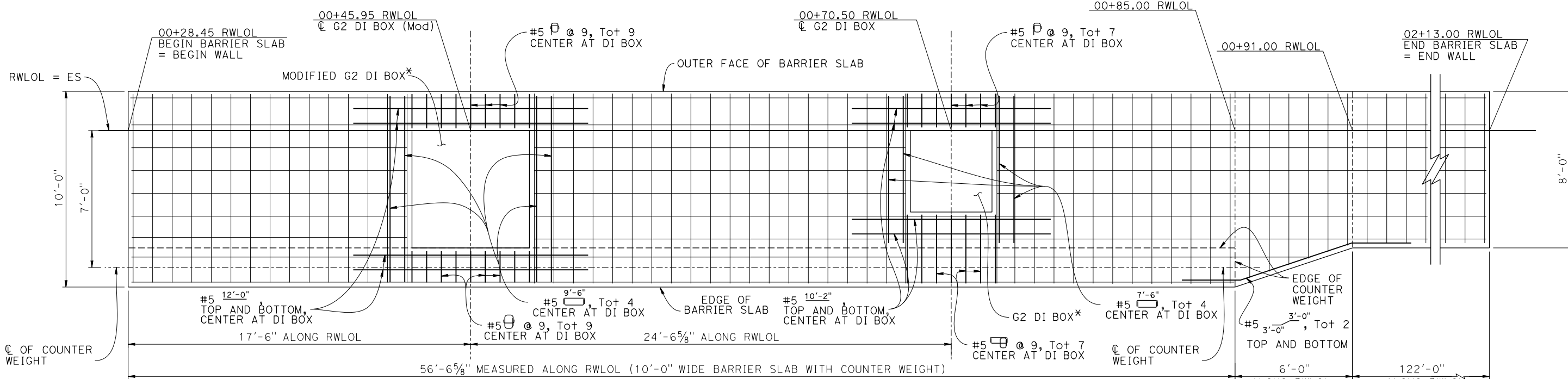
LEGEND:

- Barrier Slab Reinforcement
- or --- Bridge Rail Reinforcement
- ∞ Bundled Bars
- \* See ROADWAY PLANS
- Rebars At The DI Opening

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			X	DATE	
Noah Habtezion			No.	91388	
PLANS APPROVAL DATE			Exp.	06-30-26	
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.			CIVIL STATE OF CALIFORNIA		

NOTES:

- Barrier Slab Level.
  - For bridge rail reinforcement, see "CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 1" Sheet.
  - No expansion joints in barrier slab within wall limits.
  - Elastomeric bearing pad should be the same size as steel plate. See "PILE CAP DETAILS" on "SOLDIER PILE WALL DETAILS" sheet.
  - Place galvanized steel plate level between 1" elastomeric bearing pad and pile.
  - For details not shown, see detail "10'-0" WIDE CONCRETE BARRIER SLAB" on "CONCRETE BARRIER SLAB DETAILS No.1" Sheet.
- (A) 2" Min Expanded Polystyrene  
(B) 1.5" Expanded Polystyrene  
(C) Contact Joint  
(D) 4'-0" wide pavement reinforcing fabric



NOTE:  
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BEFORE ORDERING OR FABRICATING  
ANY MATERIAL.

DEVELOPED PLAN VIEW OF  
BARRIER SLAB REINFORCEMENT

3/8" = 1'-0"

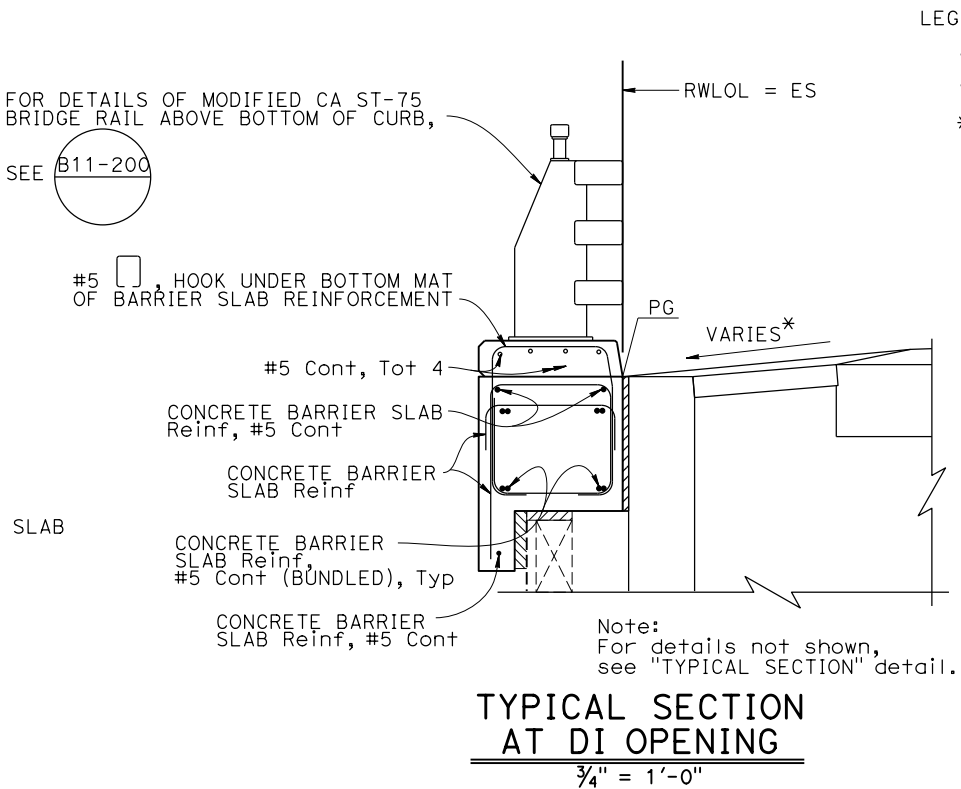
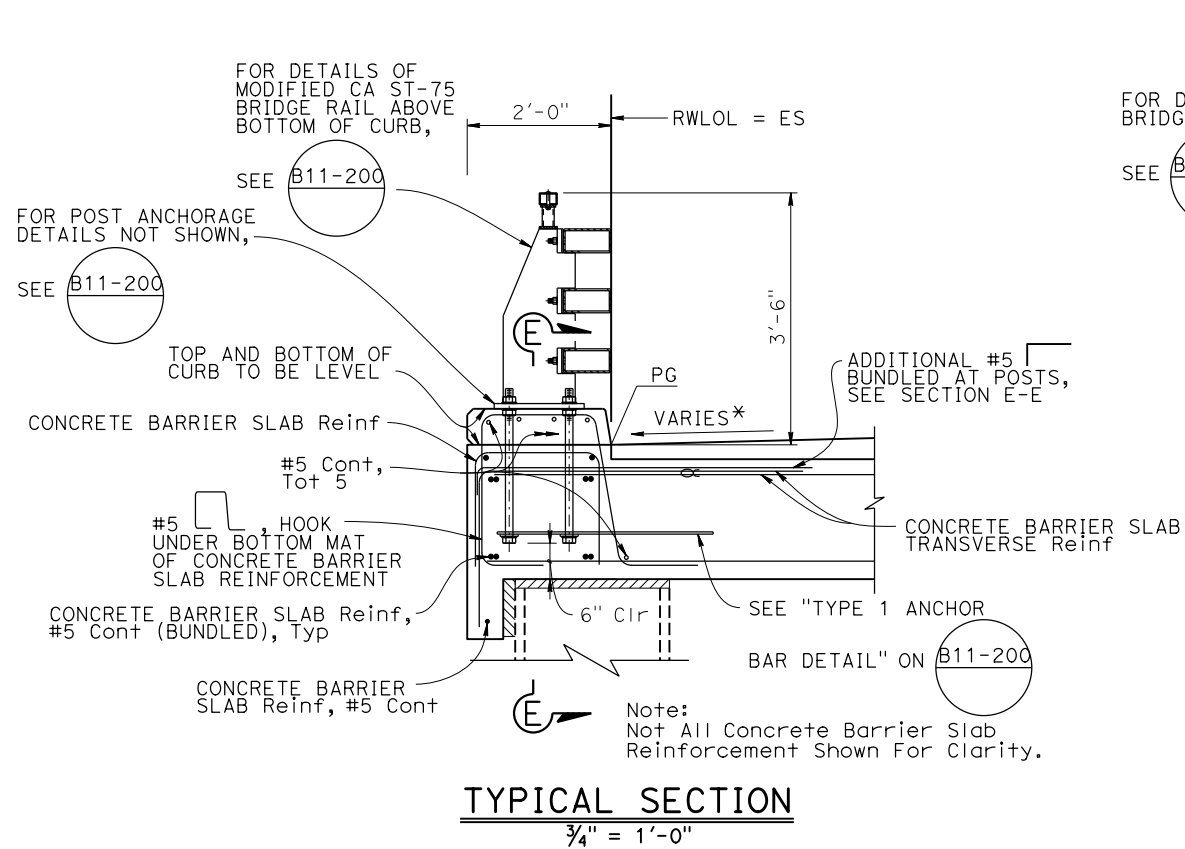
DESIGN BY Carol Tang CHECKED Noah Habtezion	DETAILS BY Ecaterina Poleanscaia CHECKED Noah Habtezion	QUANTITIES BY Roberto Macias CHECKED Adrian Peralta	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 15	BRIDGE No. 44E0029	COASTLANDS II RETAINING WALL CONCRETE BARRIER SLAB DETAILS No. 2			
					POST MILE 44.3				
UNIT: 3604 PROJECT NUMBER & PHASE: 05210001881					COUNTY/ROUTE/ZONE: Mon/001/4 CONTRACT No.: 05-1P2104	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 05-29-24 11-14-24	SHEET 8	OF 14

STRUCTURES DESIGN DETAIL SHEET  
(ENGLISH) (REVISION 6/5/2023)

DATE PLOTTED => 20-NOV-2024  
FILE => 05-1p210-r-cbsd+02.dgn

TIME PLOTTED => 16:46  
USERNAME => s150745

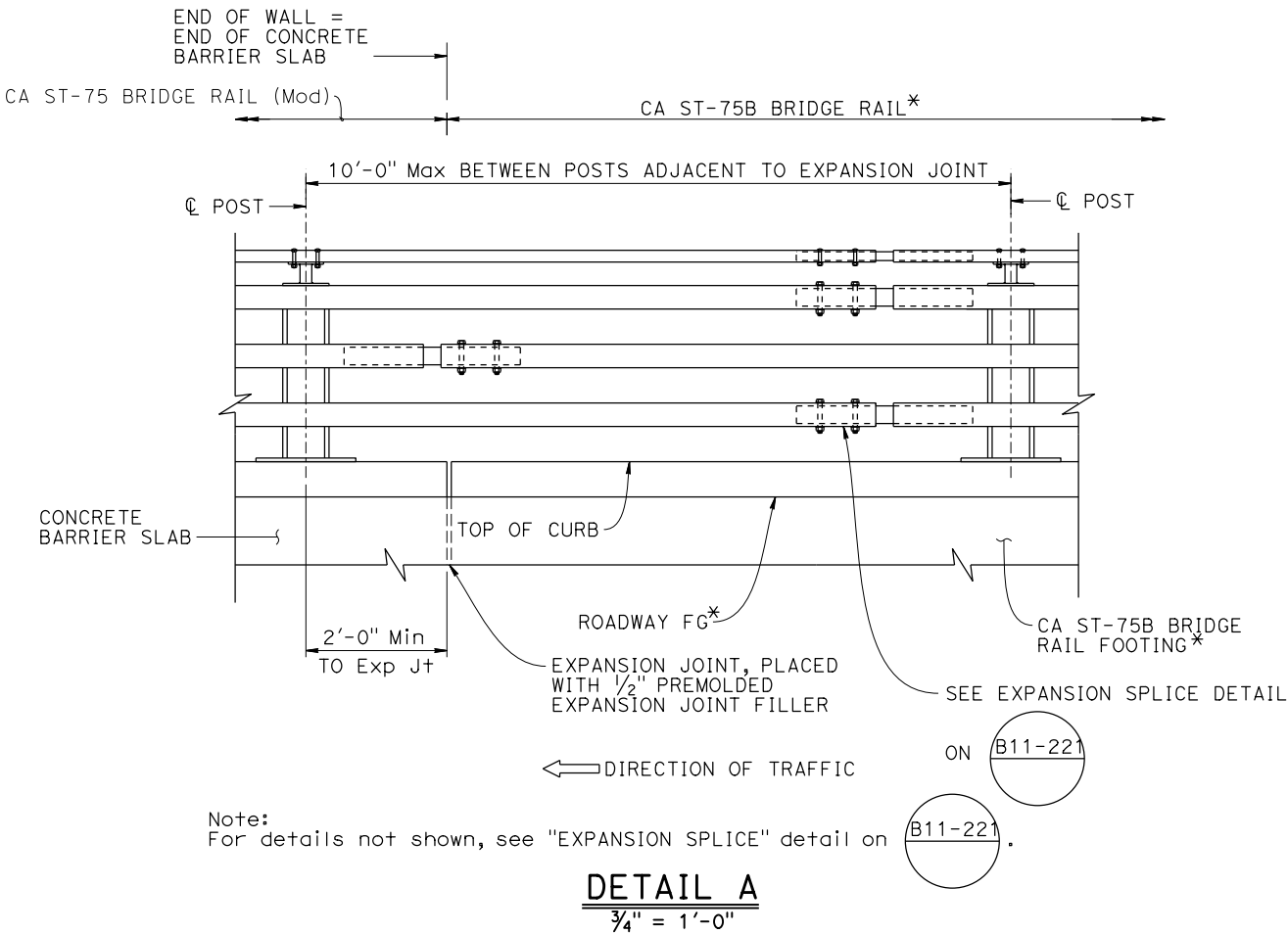
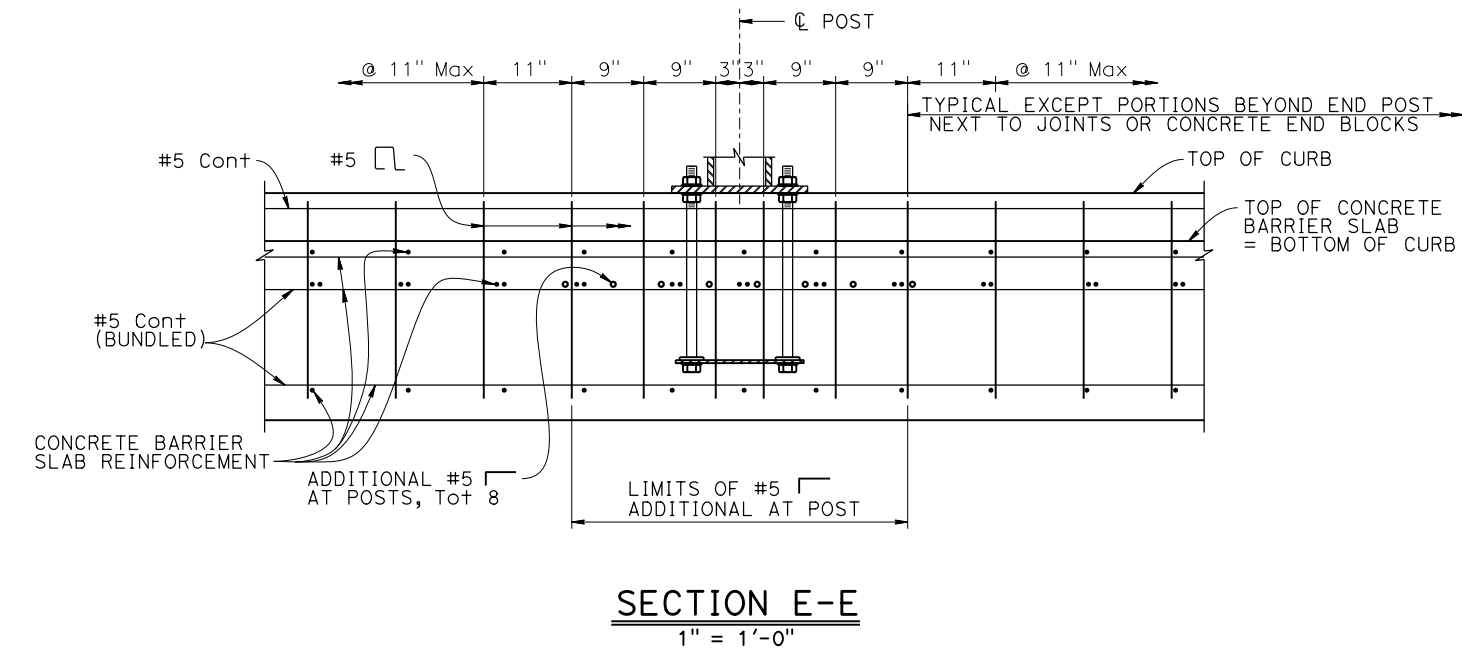
ORIGINAL SCALE  
IN INCHES FOR  
REDUCED PLANS  
0 1 2 3



LEGEND:

- Barrier Slab Reinforcement
- Bridge Rail Reinforcement
- \* See ROADWAY PLANS

- NOTES:
- For California ST-75 Bridge Rail (Mod) details not shown, see B11-200, B11-201, B11-202, B11-221, B11-222
  - For concrete barrier slab reinforcement and dimensions not shown, see plan sheets "CONCRETE BARRIER SLAB DETAILS No. 1" and "CONCRETE BARRIER SLAB DETAILS No. 2".
  - No bridge rail post should be placed at the DI openings and the end of concrete barrier slab.
  - No expansion joints in CA ST-75 bridge rail (Mod) within wall limits.



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

DESIGN	BY Carol Tang	CHECKED Noah Habtezion
DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion
QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
BRIDGE DESIGN  
BRANCH 15

BRIDGE No.
44E0029
POST MILE
44.3

COASTLANDS II RETAINING WALL  
CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

X  
DATE

PLANS APPROVAL DATE

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.

REGISTERED PROFESSIONAL ENGINEER

Noah Habtezion

No. 91388

Exp. 06-30-26

CIVIL

STATE OF CALIFORNIA

The diagram illustrates the layout of bridge rail posts along a bridge structure. Key features include:

- Dimensions:** Spacing between posts is specified as 2'-0", 3'-6", 10'-0", 7'-6", 7'-6", 10'-0", and 10'-0" Max, Typ. A minimum spacing of 2'-0" is indicated at the end wall.
- Components:** END BLOCK, BEGIN WALL, END WALL, BRIDGE RAIL POST, Typ, RWLOL, ETW, EDGE OF BARRIER SLAB, "CL1" LINE, and CL1 LINE.
- Structural Elements:** Modified G2 DI BOX, G2 DI BOX, and Exist CULVERT.

BRIDGE RAIL POST LAYOUT  
1" = 5'

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

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DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion
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STATE OF  
CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
BRIDGE DESIGN  
BRANCH 15

BRIDGE No.
44E0029
POST MILE
44.3

COASTLANDS II RETAINING WALL  
CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 2

STRUCTURES DESIGN DETAIL SHEET  
(ENGLISH) (REVISION 6/5/2023)

DATE PLOTTED => 20-NOV-2024 TIME PLOTTED => 16:46  
FILE => 05-1p210-s-co-s+75\_02.dgn USERNAME => s150745

ORIGINAL SCALE  
IN INCHES FOR  
REDUCED PLANS

0 1 2 3

UNIT: 3604  
PROJECT NUMBER & PHASE: 05210001881

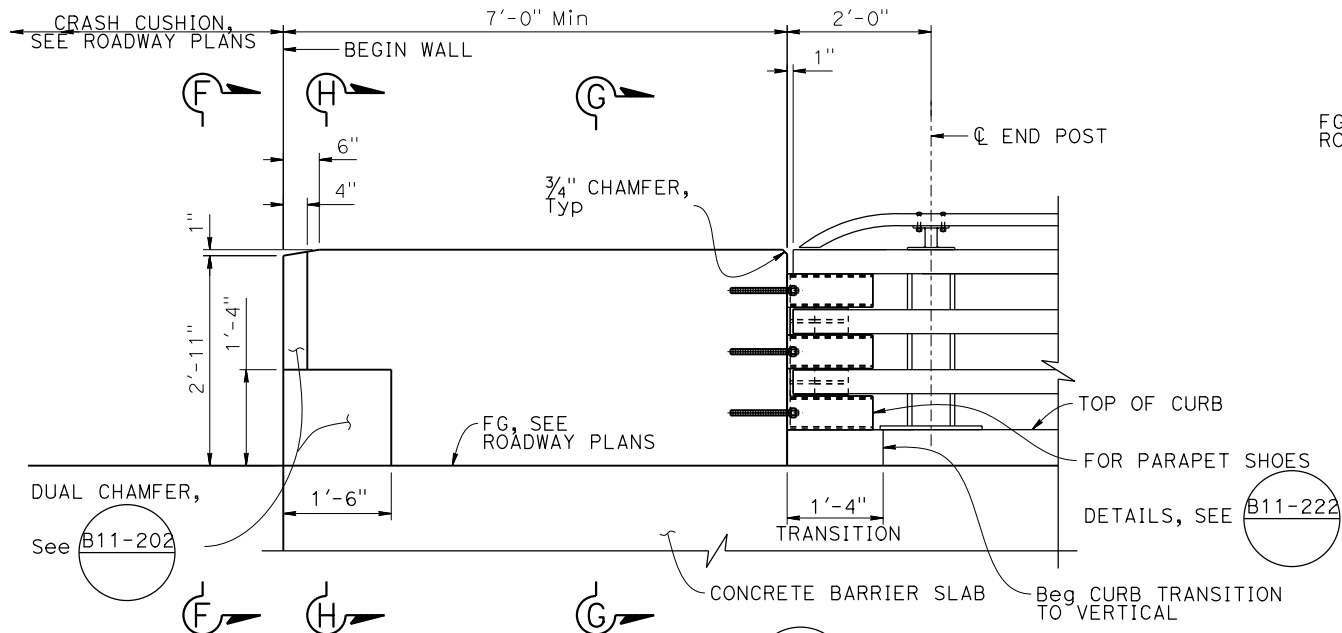
COUNTY/ROUTE/ZONE: Mon/001/4  
CONTRACT No.: 05-1P2104

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

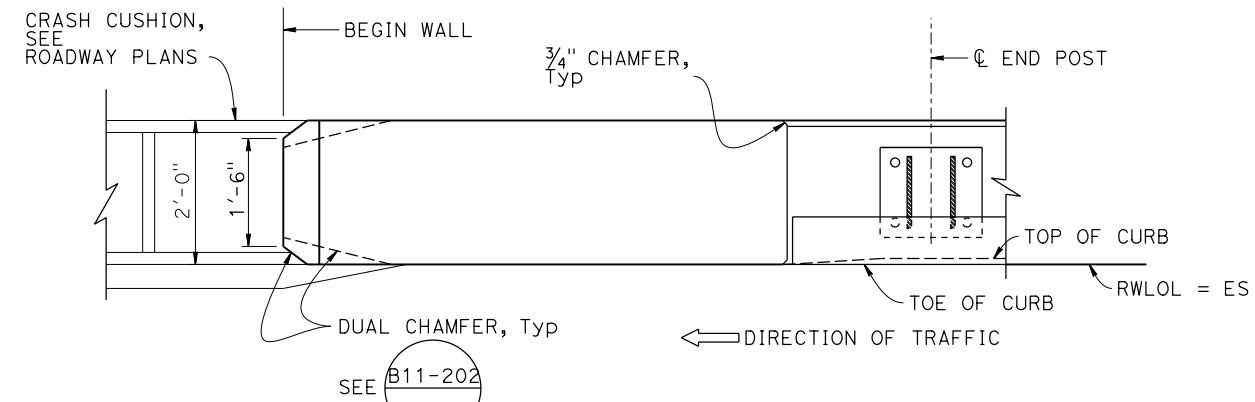
REVISION DATES	SHEET	OF
10-16-24 11-19-24	10	14



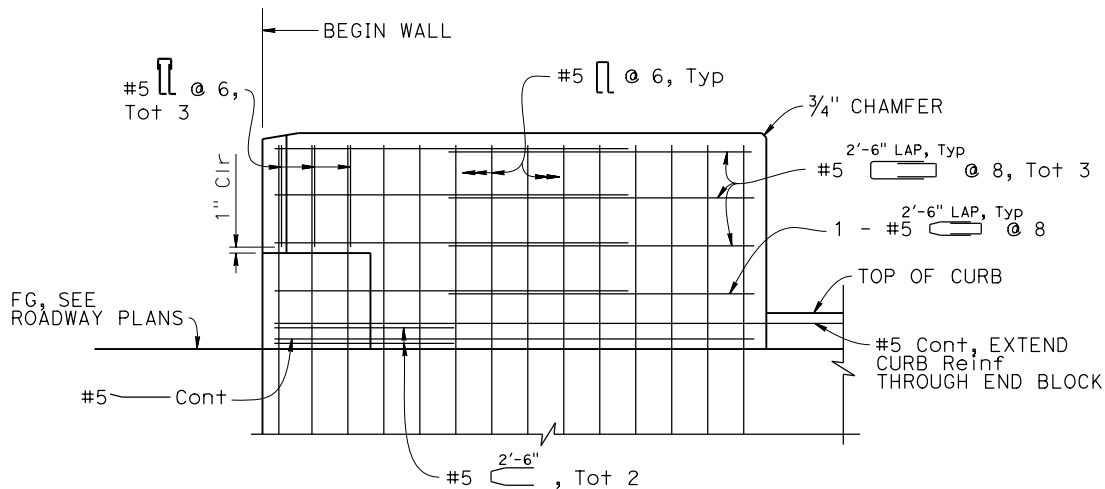
NOTE:  
Formed holes for crash cushion anchorage required,  
see ROADWAY PLANS for crash cushion details.



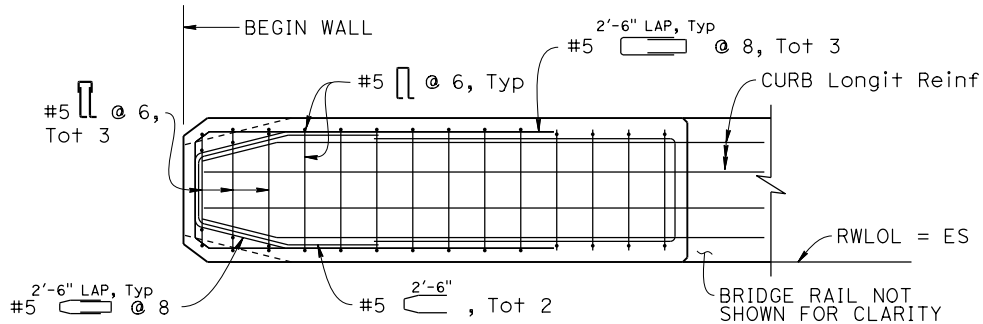
NOTE:  
For details not shown, see B11-201.



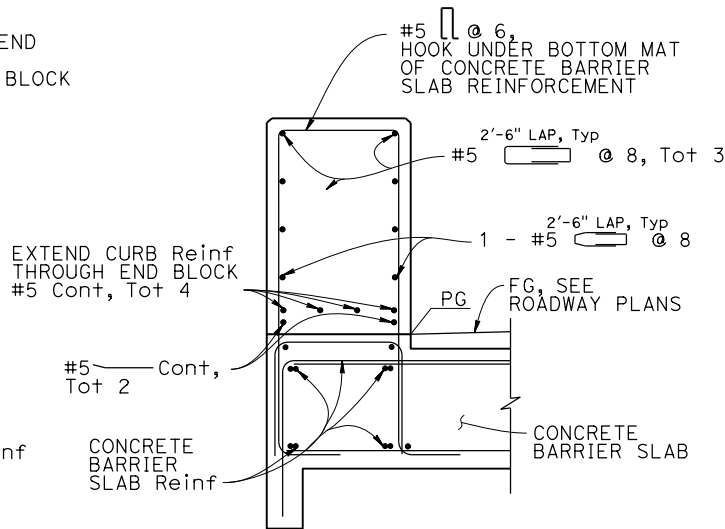
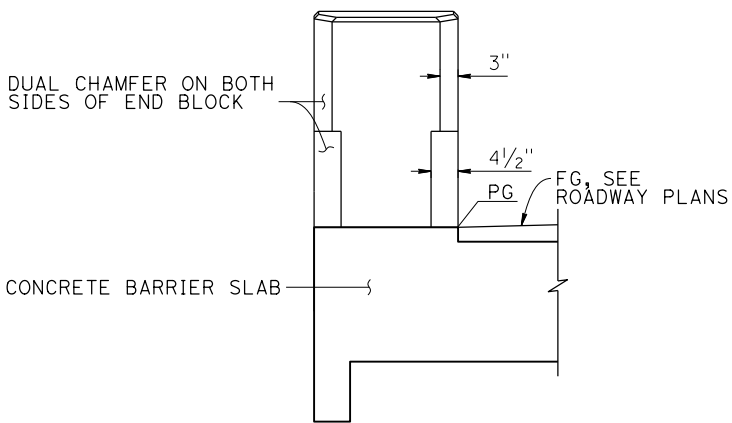
NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



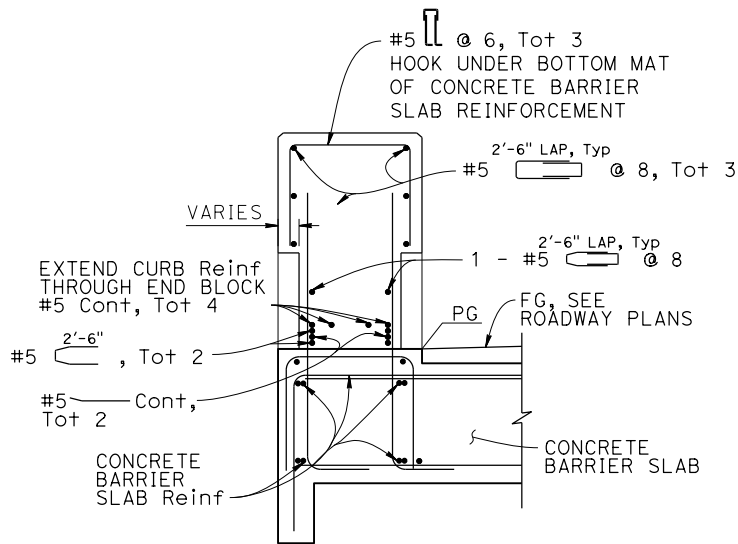
NOTE:  
Not all reinforcement shown for clarity.



NOTE:  
Not all reinforcement shown for clarity.



NOTE:  
Not all reinforcement shown for clarity.



NOTE:  
Not all reinforcement shown for clarity.

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

REGISTERED PROFESSIONAL ENGINEER

Noah Habtezion

No. 91388

Exp. 06-30-26

CIVIL

STATE OF CALIFORNIA

DESIGN	BY Carol Tang	CHECKED Noah Habtezion
DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion
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STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
BRIDGE DESIGN  
BRANCH 15

BRIDGE No.
44E0029
POST MILE
44.3

COASTLANDS II RETAINING WALL  
TRANSITION END BLOCK DETAILS

DATE PLOTTED => 20-NOV-2024  
FILE => 05-1p210-s-trenabl.dgn

TIME PLOTTED => 16:46  
USERNAME => s150745

ORIGINAL SCALE  
IN INCHES FOR  
REDUCED PLANS

0 1 2 3

UNIT: 3604  
PROJECT NUMBER & PHASE: 05210001881

COUNTY/ROUTE/ZONE: Mon/001/4  
CONTRACT No.: 05-1P2104

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

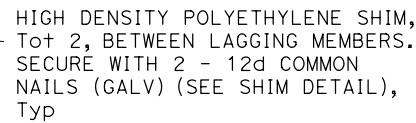
REVISION DATES

08-29-24

SHEET

OF

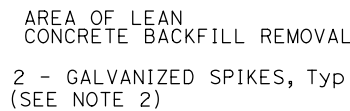
11 14



NO SCALE



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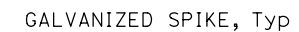
NO SCALE



NO SCALE



NO SCALE



NO SCALE


1. Trimming opposite corners of lagging allowed.  
The size of trimmed corners limited to the  
specified bearing width of the lagging.
2. Use 16d Galv spikes for 4 x 12 lagging,  
and 40d Galv spikes for 6 x 12 lagging.
3. Spikes shall not be bent.
4. For timber lagging sizes, see other plan sheets.

<b>COASTLANDS II RETAINING WALL</b>
<b>SOLDIER PILE WALL LAGGING DETAILS</b>



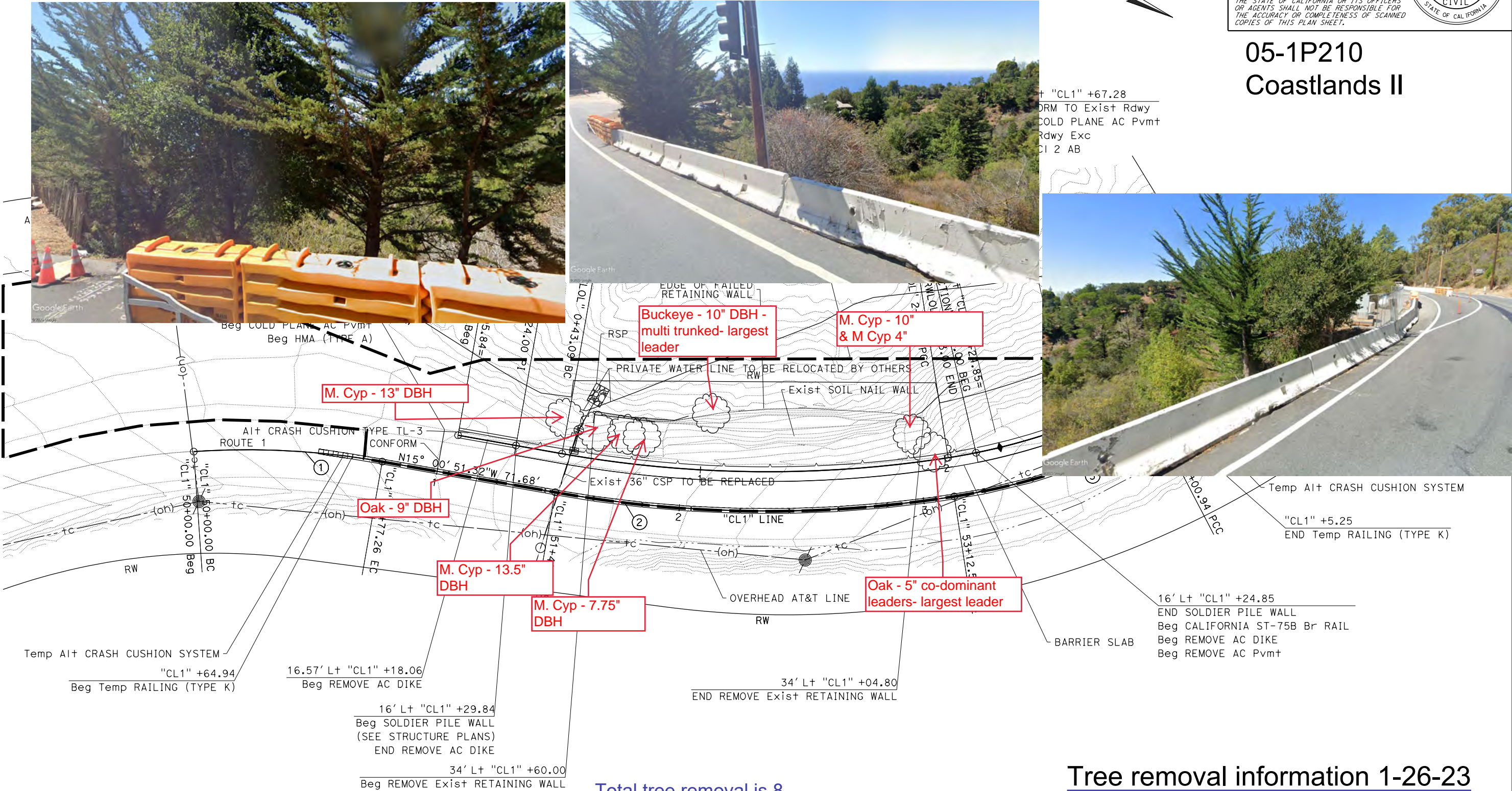
NOTE:

1. 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	44.34		1
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<i>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.</i>					

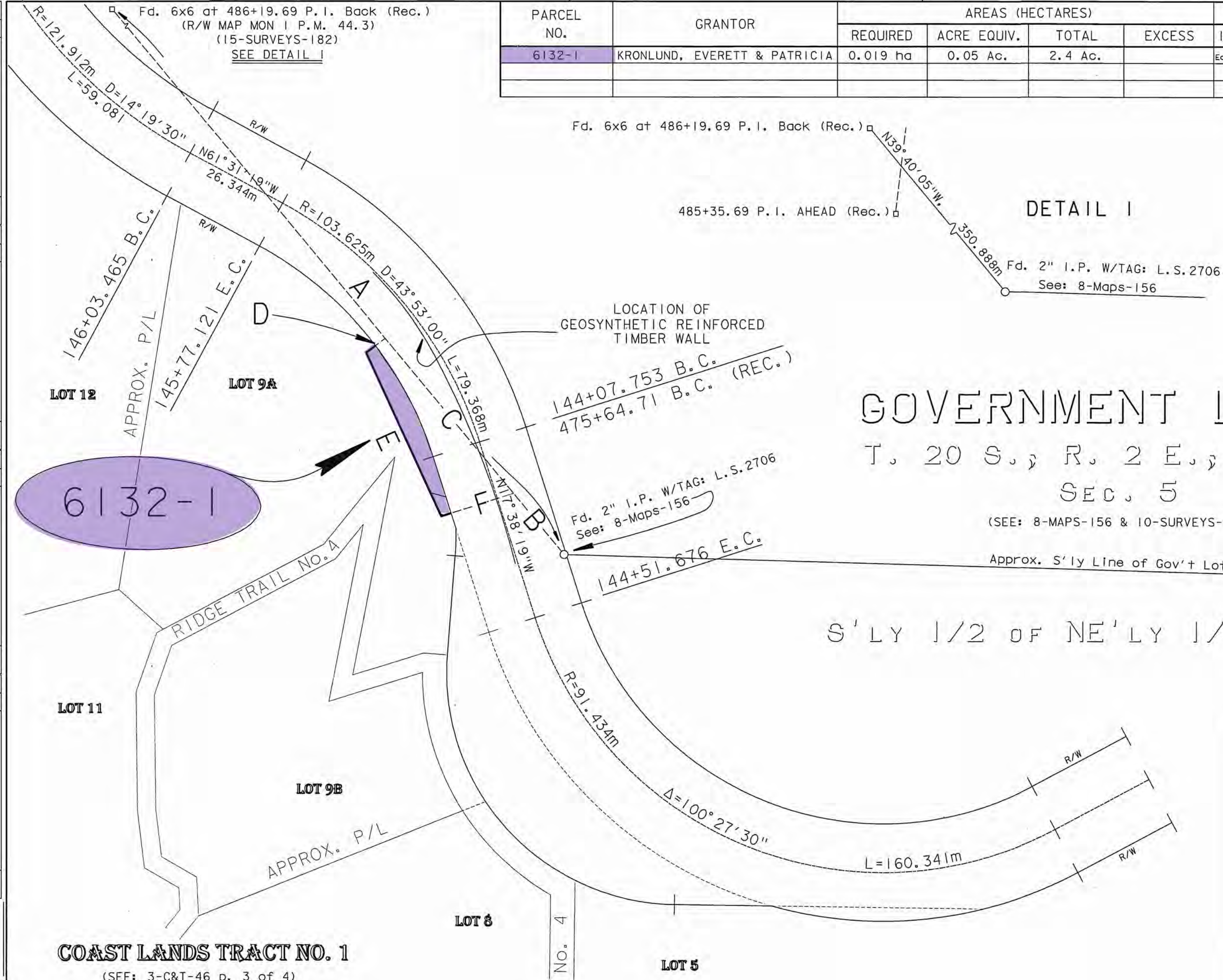


05-1P210  
Coastlands II





NAME	DATE
Detailed	_____
Checked	_____
Trooped	_____
Checked	_____

[illegible]

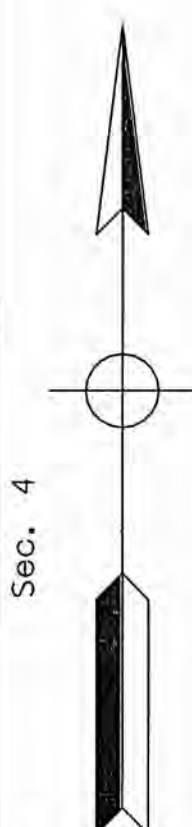
A. S39° 40' 05"E, 350.888m  
B. N39° 40' 05"W, 19.805m  
C. N39° 40' 05"W, 50.391m  
D. S52° 38' 46"W, 5.990m  
E. S24° 42' 59"E, 45.035m  
F. N72° 21' 41"E, 18.991m

GOVERNMENT LOT 1  
T. 20 S., R. 2 E., M.D.M.  
SEC. 5

(SEE: 8-MAPS-156 & 10-SURVEYS-100)

Approx. S'ly Line of Gov't Lot 1

S'LY 1/2 OF NE'LY 1/4 OF SEC. 5

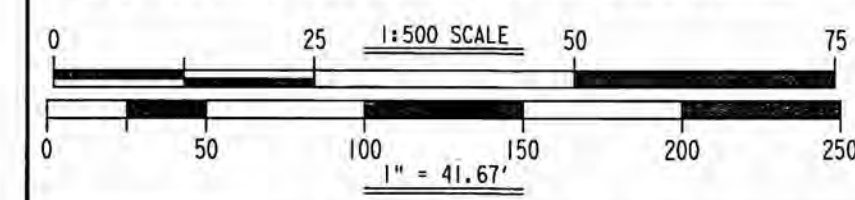


STATE OF CALIFORNIA  
BUSINESS, TRANSPORTATION AND HOUSING AGENCY  
DEPARTMENT OF TRANSPORTATION

## RIGHT OF WAY MAP

GEOSYNTHETIC REINFORCED TIMBER WALL  
AT POST MILE 44.3  
STATE ROUTE 01  
E.A. 398501

Coordinates and bearings are on CCS 83, Zone 4. Distances and stationing are grid distances. Multiply by 1.000074 to obtain ground distances.



DIST.	COUNTY	ROUTE	POST MILE	SHEET NO.	TOTAL SHEETS
CENT.	MON	01	44.3A	1	1

SOURCE	05	CHARGE	05	F. A.	398509
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FOR REDUCED PLANS

ORIGINAL SCALE IS IN CM

