

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 8th day of May, 2025.

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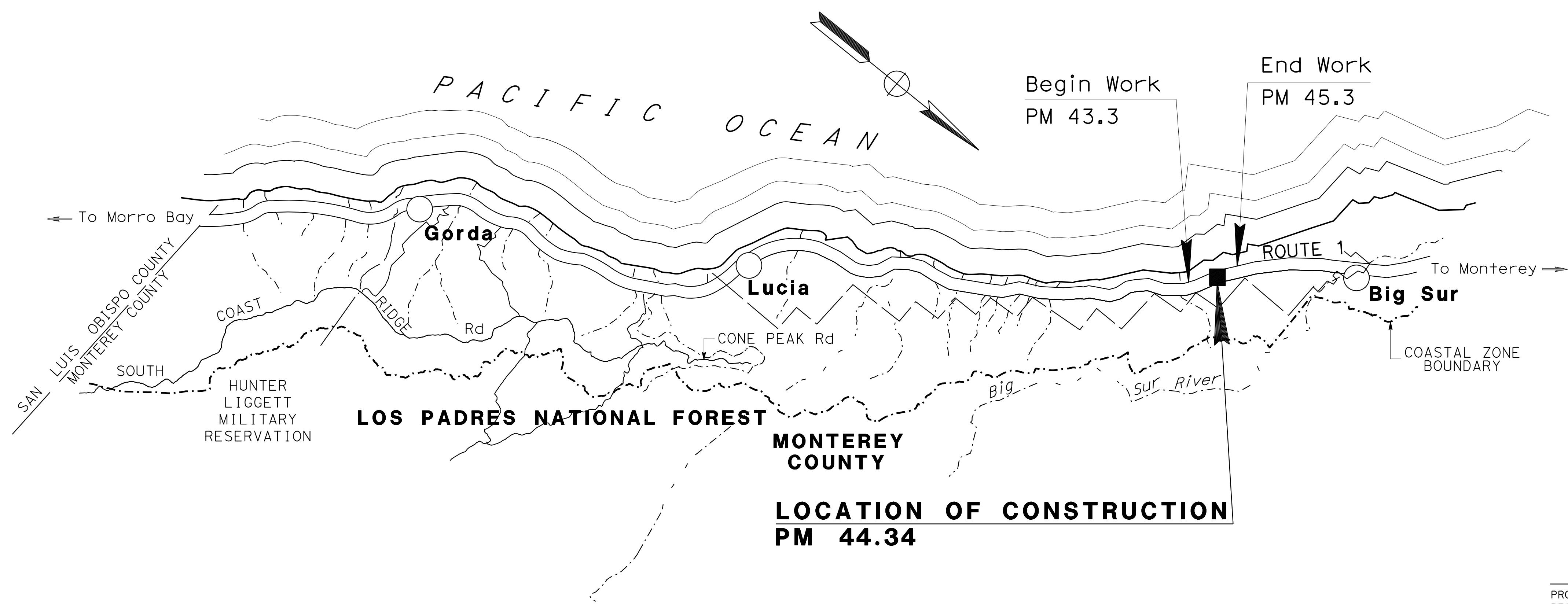
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN MONTEREY COUNTY
NEAR BIG SUR
1.1 MILES SOUTH OF PFEIFFER CANYON BRIDGE
 TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2024

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



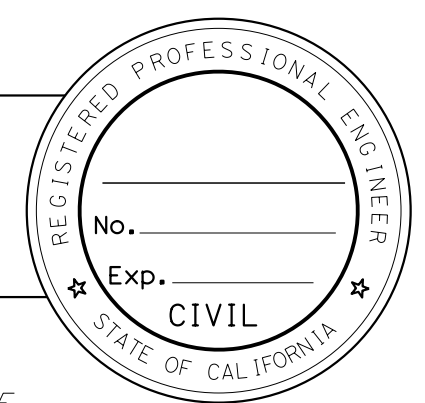


LOCATION MAP



PROJECT MANAGER
 CARLA YU
 DESIGN ENGINEER
 JEFFREY PAYNE

PROJECT ENGINEER _____ DATE _____
 REGISTERED CIVIL ENGINEER



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.

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

CONTRACT No.	05-1P210
PROJECT ID	0521000188

DATE PLOTTED => 4-DEC-2024
 TIME PLOTTED => 1:3:47
 00-00-00

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

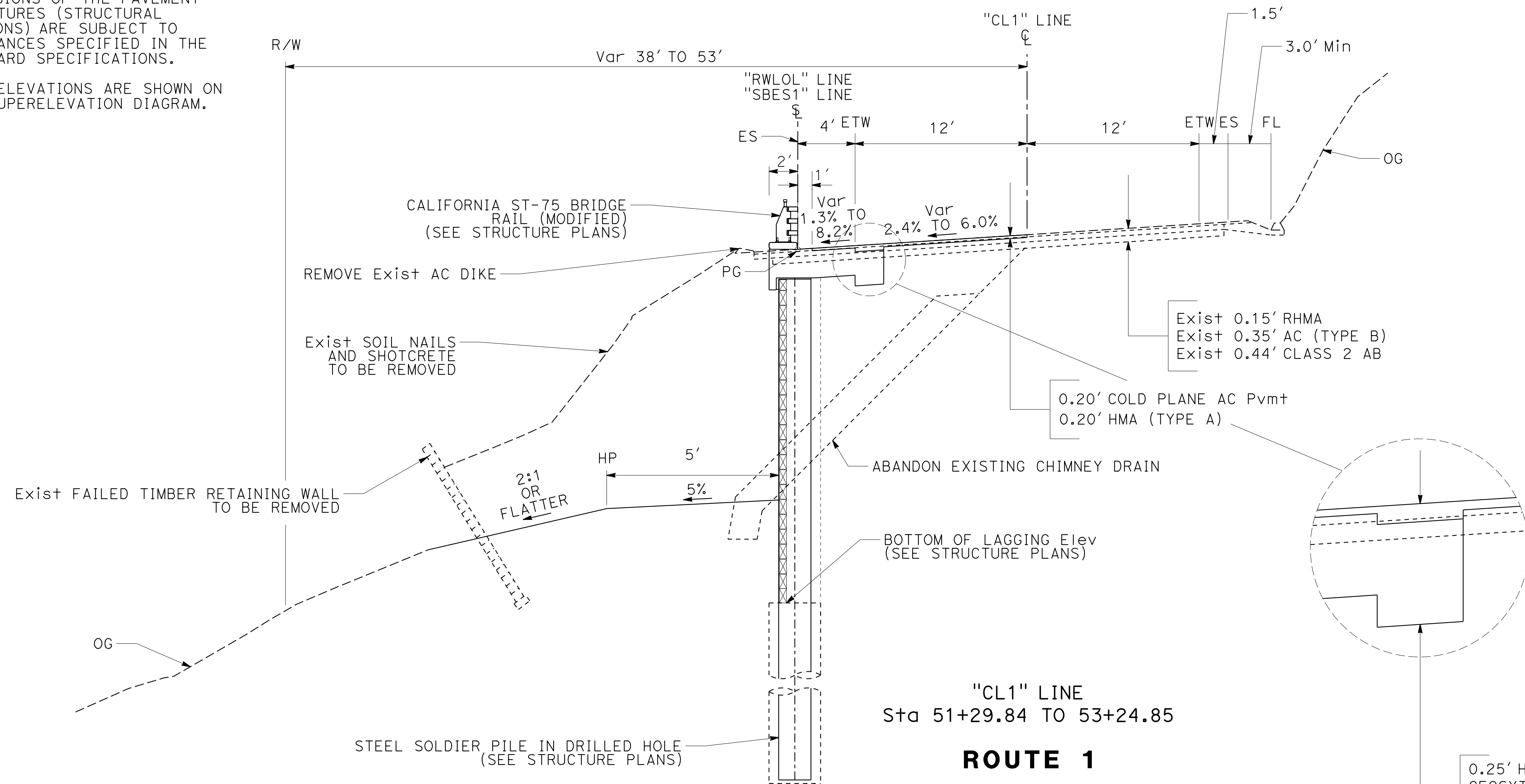
REGISTERED CIVIL ENGINEER DATE _____

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.

NOTES:

- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- 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 ₂₀	7.5
PAVEMENT CLIMATE REGION:		CENTRAL COAST	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN

Caltrans

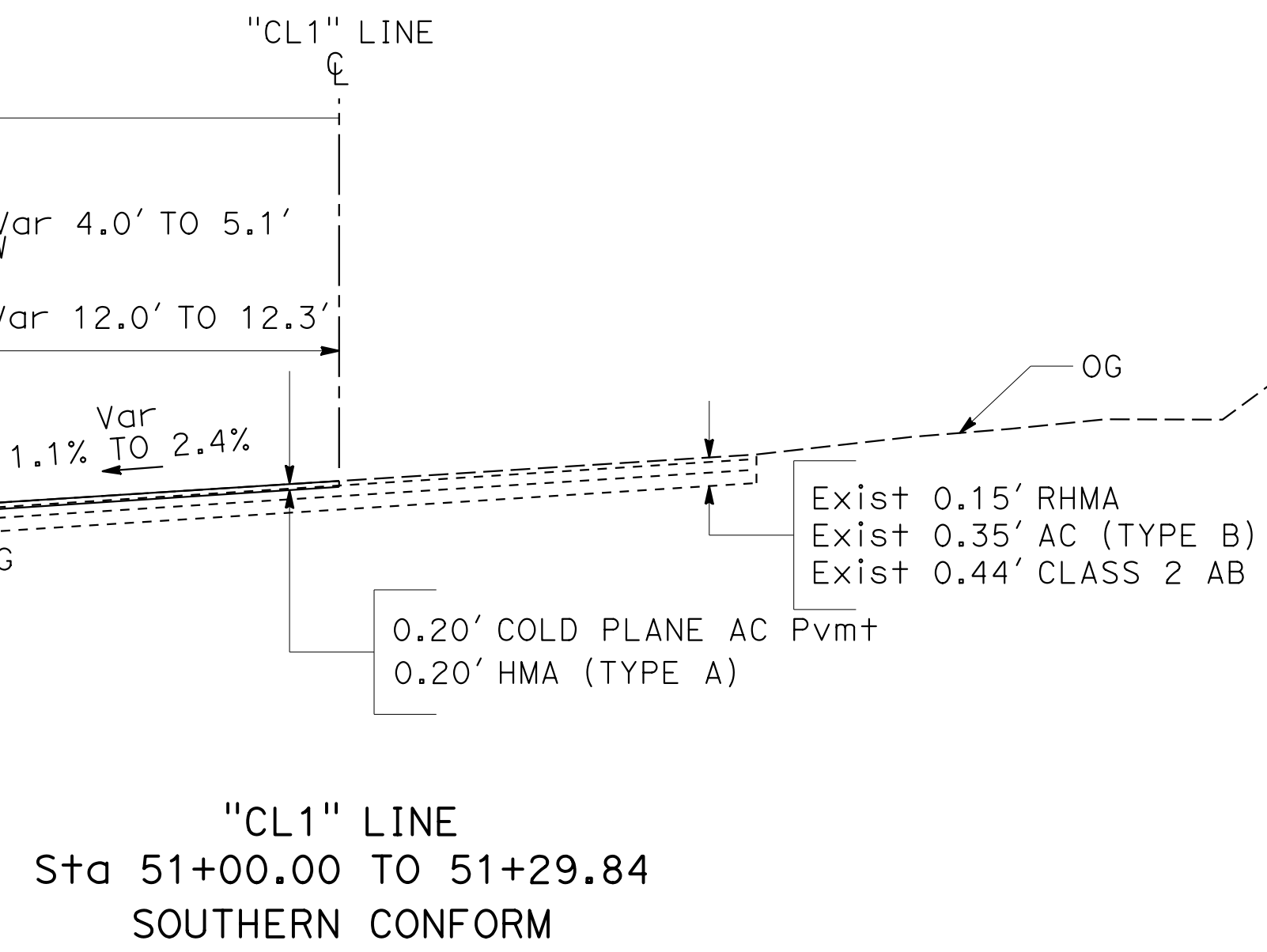
FUNCTIONAL SUPERVISOR: JEFFREY PAYNE

DESIGNED BY: CODY PARROTT

CHECKED BY: _____

REVISOR: _____

DATE REVISOR: _____



TYPICAL CROSS SECTION

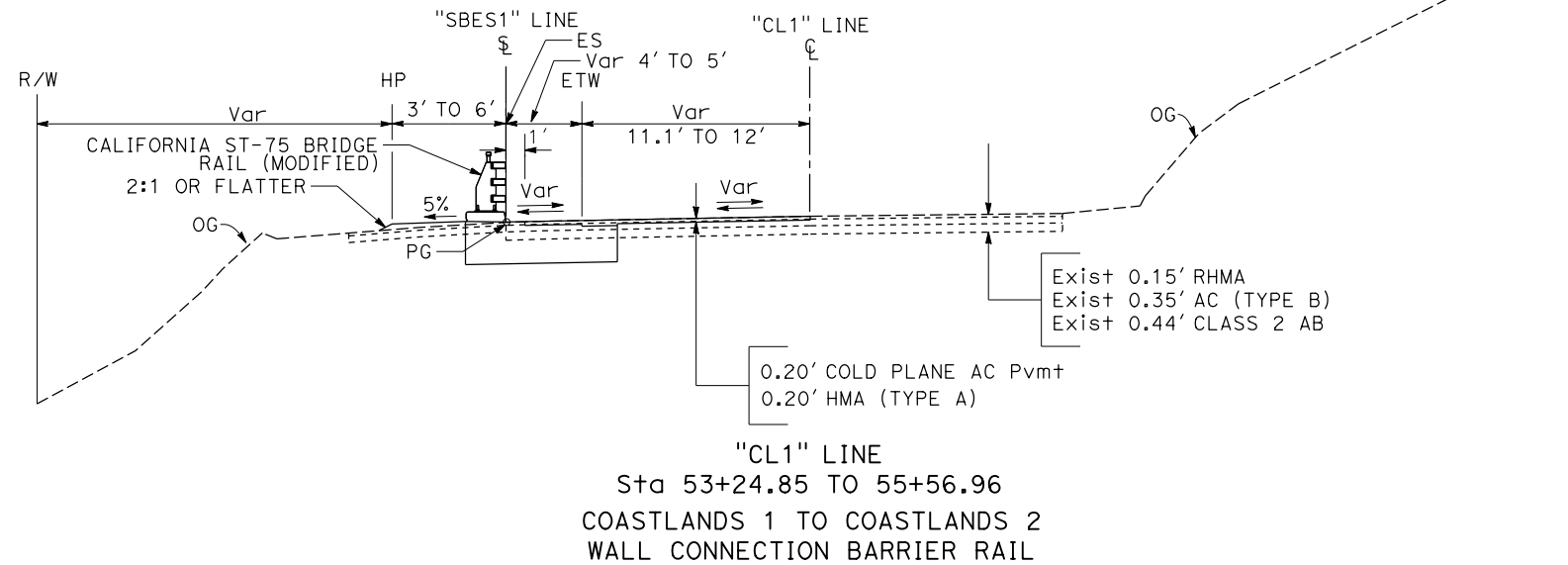
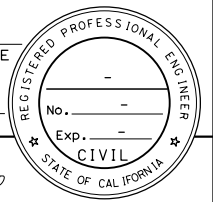
NO SCALE

X-1

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

REGISTERED CIVIL ENGINEER	DATE
No. -	-
Exp. -	-
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.



"CL1" LINE
Sta 53+24.85 TO 55+56.96
COASTLANDS 1 TO COASTLANDS 2
WALL CONNECTION BARRIER RAIL

ROUTE 1

TYPICAL CROSS SECTION

NO SCALE


X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY
Caltrans	JEFFREY PAYNE	CHECKED BY	ALEXANDER KERSHNER
DESIGN			DATE REVISED

REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE _____

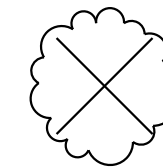
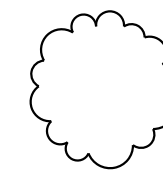
THE STATE OF CALIFORNIA OR ITS OFFICERS
OR AGENTS SHALL NOT BE RESPONSIBLE FOR
THE ACCURACY OR COMPLETENESS OF SCANNED
COPIES OF THIS PLAN SHEET.



NOTES:

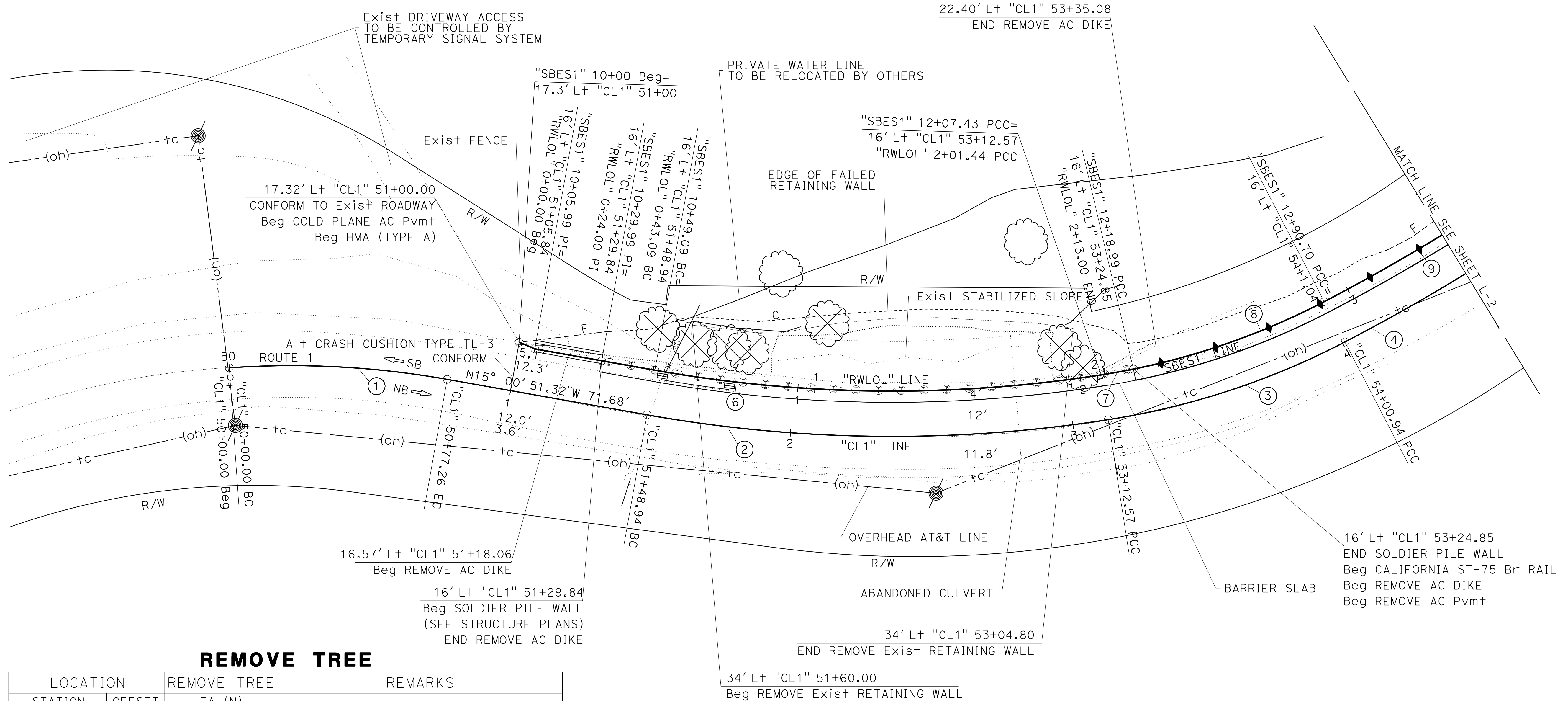
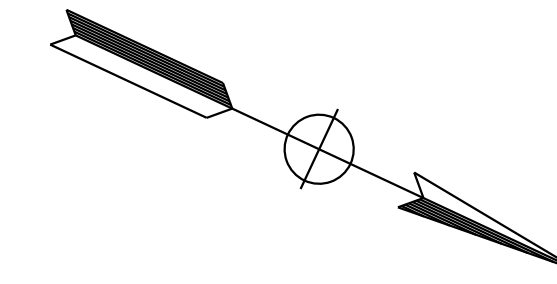
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- PRESENCE OF THE LISTED MAN MADE OBJECTS SHOWN ARE APPROXIMATE AND THE CONTRACTOR MUST BE PREPARED TO EXCAVATE/DRILL WHERE THEY OCCUR WITHIN THE PROJECT LIMITS.

LEGEND:

-  REMOVE TREE
-  PROTECT IN PLACE EXISTING WILLOW TREE

CURVE DATA

No. #	R	Δ	T	L
1	315.16'	14°02'43"	38.82'	77.26'
2	495.63'	18°54'58"	82.57'	163.63'
3	271.99'	18°36'57"	44.58'	88.37'
4	698.74'	07°47'03"	47.54'	94.93'
6	479.63'	18°54'56"	79.90'	158.35'
7	255.99'	02°35'15"	5.78'	11.56'
8	255.99'	16°03'01"	36.09'	71.71'
9	682.74'	07°18'54"	43.64'	87.16'



REMOVE TREE

LOCATION	REMOVE TREE	REMARKS	
STATION	OFFSET	EA (N)	
"CL1" 51+47.5	30.5' Lt	1	MONTEREY CYPRESS, 13" DBH
"CL1" 51+62.0	27.4' Lt	1	COAST LIVE OAK, 9" DBH
"CL1" 51+74.9	27.8' Lt	1	MONTEREY CYPRESS, 13.5" DBH
"CL1" 51+81.8	27.3' Lt	1	MONTEREY CYPRESS, 7.75" DBH
"CL1" 52+11.1	39.4' Lt	1	BUCKEYE, 10" DBH, MULTI TRUNKED
"CL1" 52+98.7	27.7' Lt	2	MONTEREY CYPRESS, 10" DBH MONTEREY CYPRESS, 4" DBH
"CL1" 53+06.3	19.3' Lt	1	COAST LIVE OAK, 5" DBH

(N) - NOT A SEPARATE BID ITEM

LAYOUT

SCALE: 1" = 20'

L-1

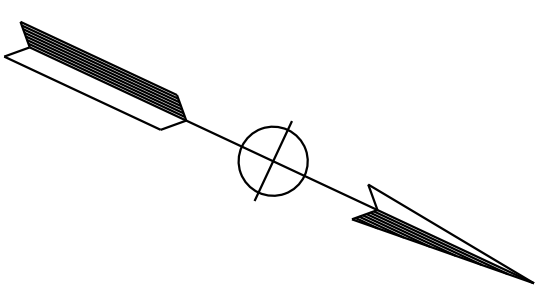


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34		1

REGISTERED CIVIL ENGINEER	DATE
No. -	-
Exp. -	-

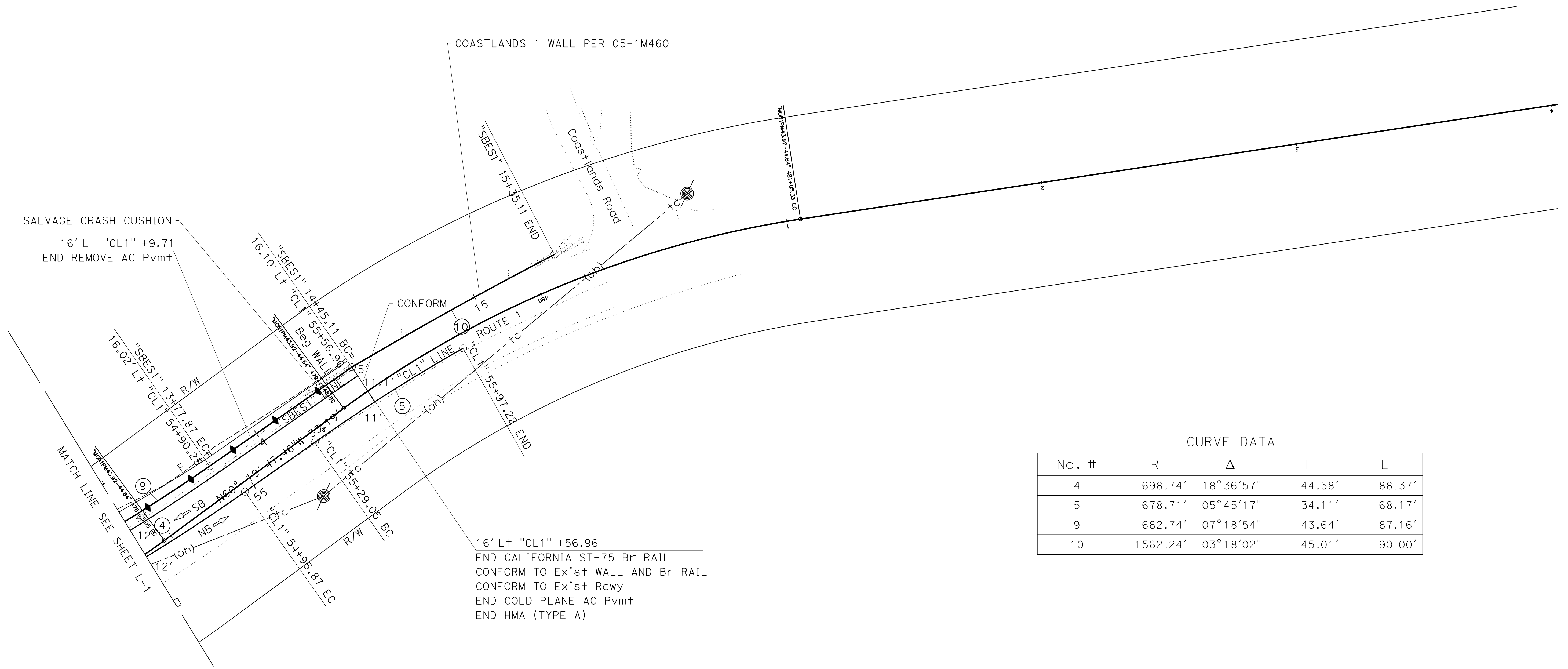
PLANS APPROVAL DATE _____

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.



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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	JEFFREY PAYNE
CALCULATED/DESIGNED BY	CHECKED BY
CODY PARROTT	
REVISOR BY	DATE



CURVE DATA

No. #	R	Δ	T	L
4	698.74'	18°36'57"	44.58'	88.37'
5	678.71'	05°45'17"	34.11'	68.17'
9	682.74'	07°18'54"	43.64'	87.16'
10	1562.24'	03°18'02"	45.01'	90.00'

16' Lt "CL1" +56.96
 END CALIFORNIA ST-75 Br RAIL
 CONFORM TO Exist WALL AND Br RAIL
 CONFORM TO Exist Rdwy
 END COLD PLANE AC Pvmt
 END HMA (TYPE A)

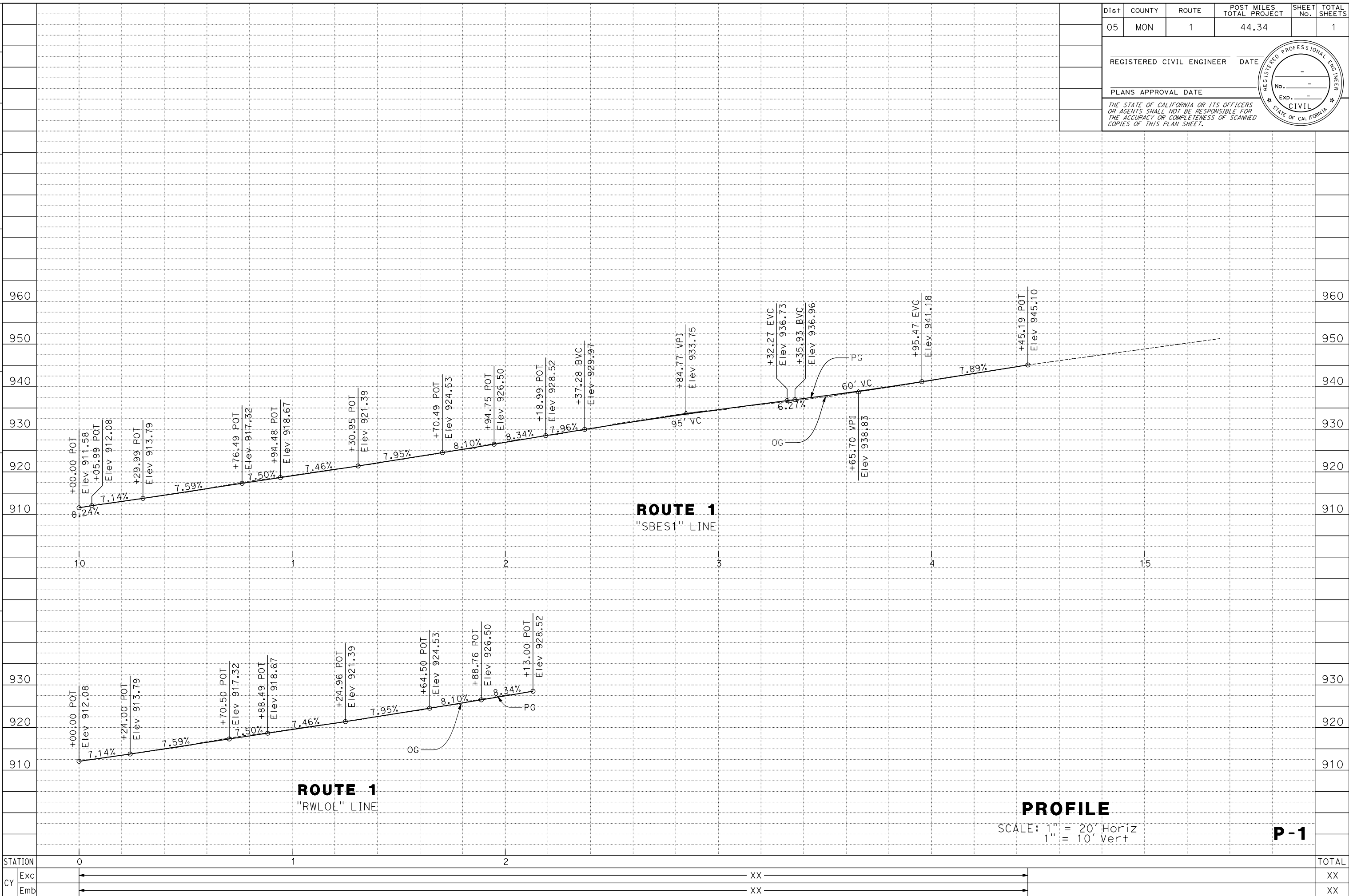
LAYOUT

SCALE: 1" = 20'

L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: JEFFREY PAYNE
 CALCULATED-DRAWN BY: ALEXANDER KERSHNER
 CHECKED BY: ALEXANDER KERSHNER
 REVISED BY: ALEXANDER KERSHNER
 DATE REVISED: _____

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34		1
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE			No. _____		
			Exp. _____		
<small>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.</small>					

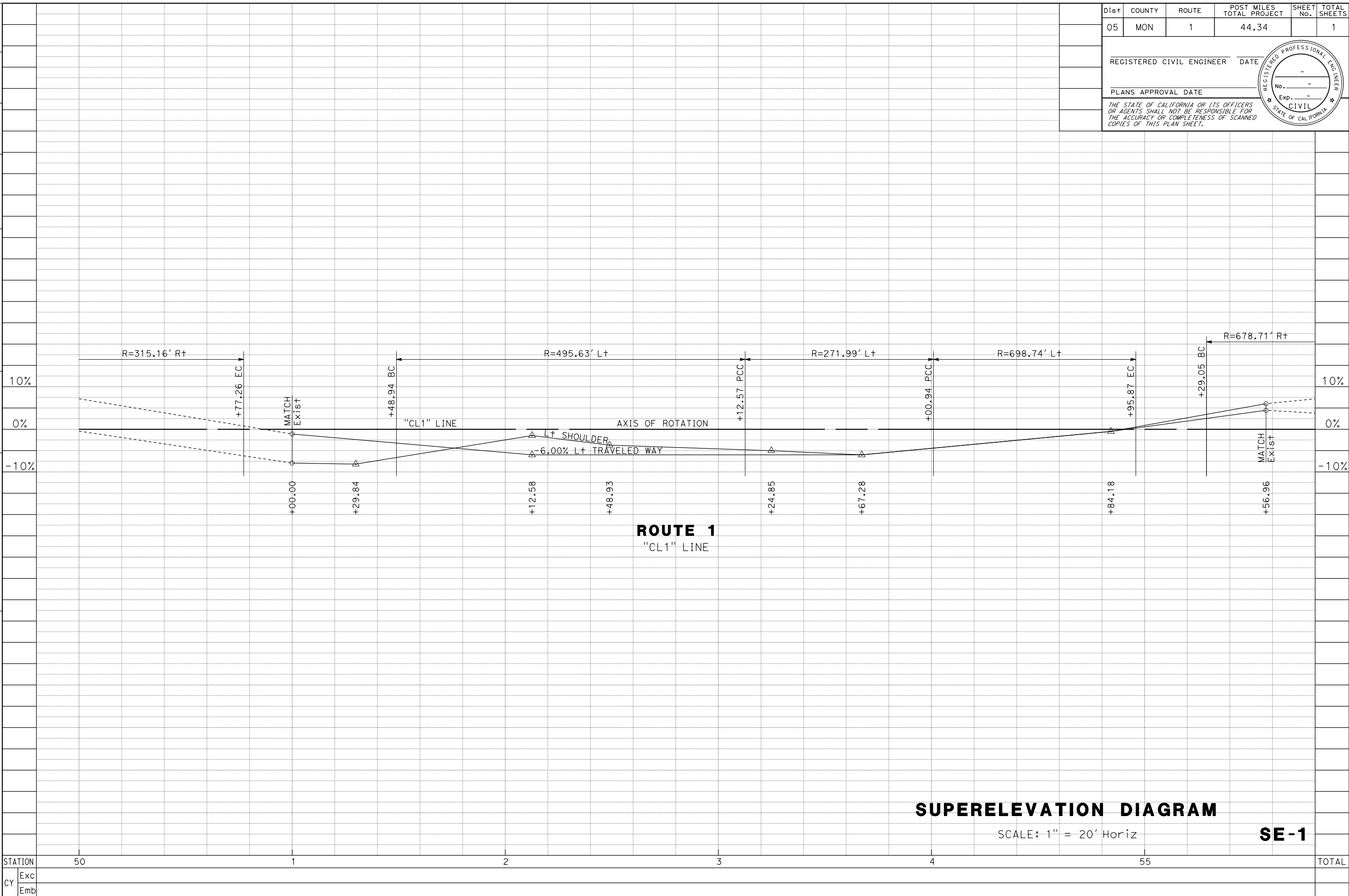


LAST REVISION DATE PLOTTED => 24-MAY-2024
 00-00-00 TIME PLOTTED => 14:10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34		1
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE			No. -		
			Exp. -		
<small>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.</small>					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN	FUNCTIONAL SUPERVISOR	CHECKED BY	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans		JEFFREY PAYNE			ALEXANDER KERSHNER	

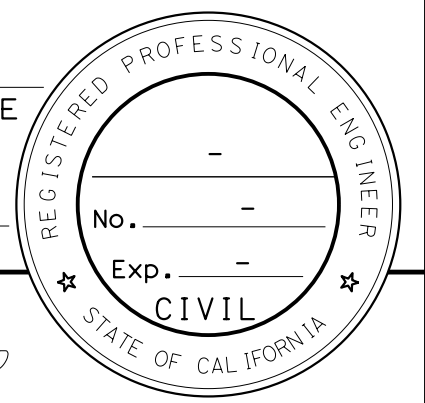


SUPERELEVATION DIAGRAM

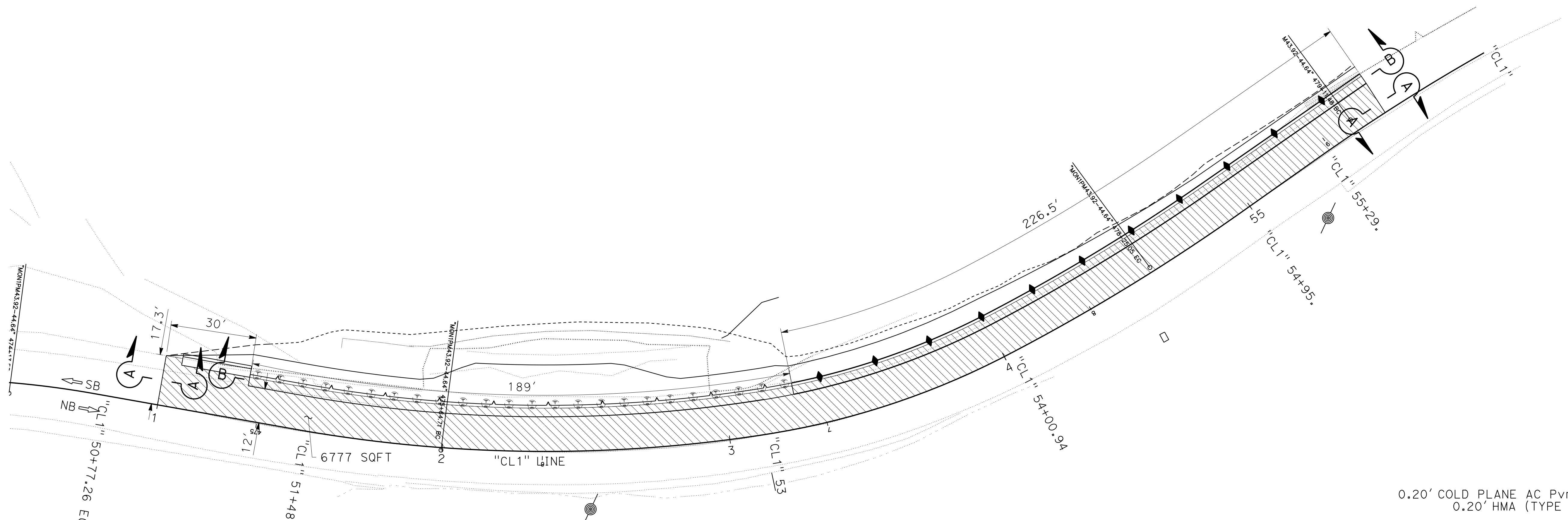
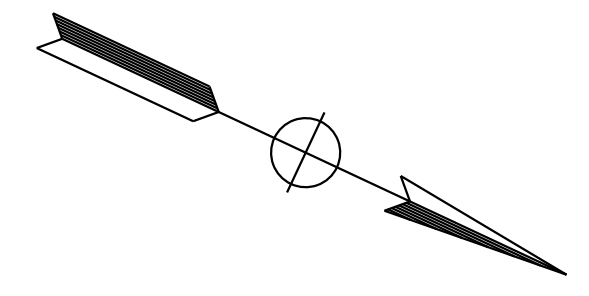
SCALE: 1" = 20' Horiz

SE-1

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

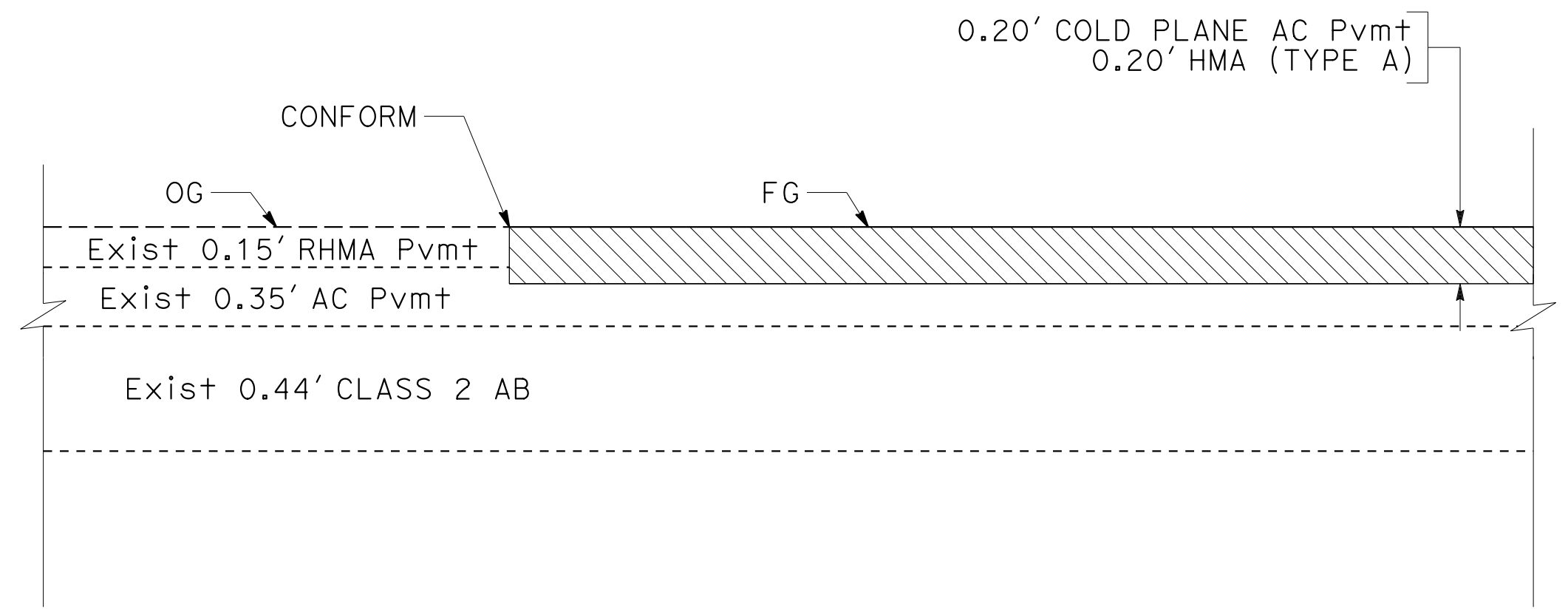


LEGEND:
 COLD PLANE ASPHALT CONCRETE PAVEMENT

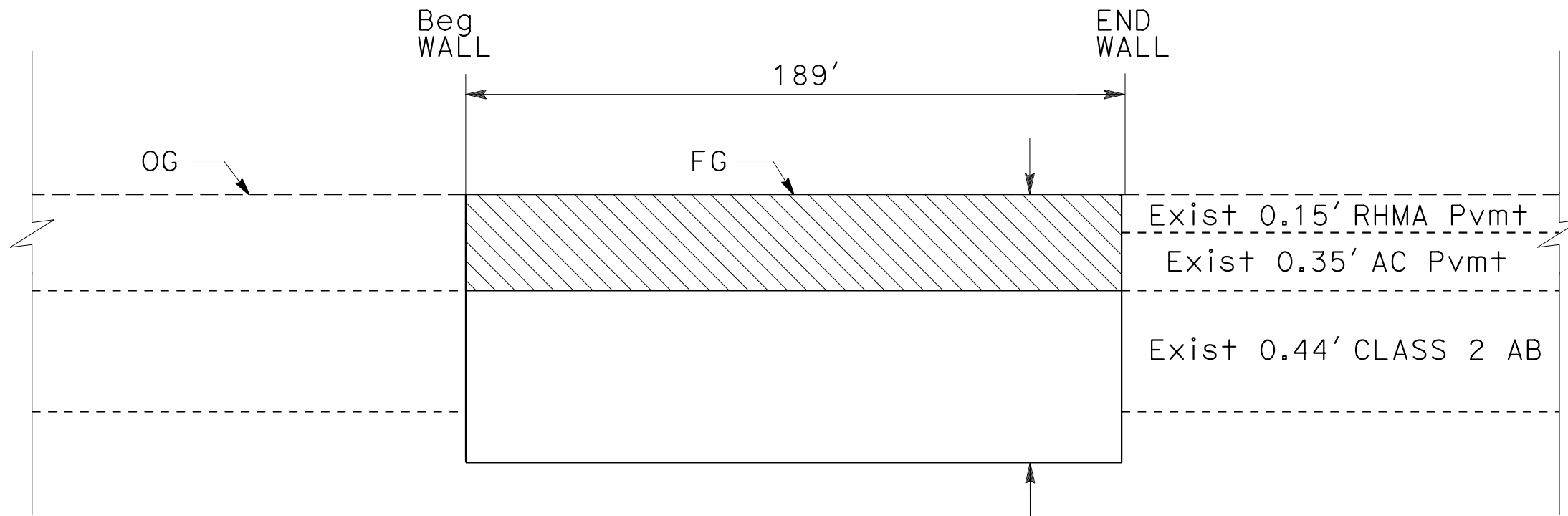


**COLD PLANE AREA DETAIL
ROUTE 1**

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



LONGITUDINAL CONFORM
SECTION A-A
NO SCALE



SOUTH BOUND LANE
SECTION B-B
NO SCALE

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

CONSTRUCTION DETAILS

SCALE AS SHOWN

C-1

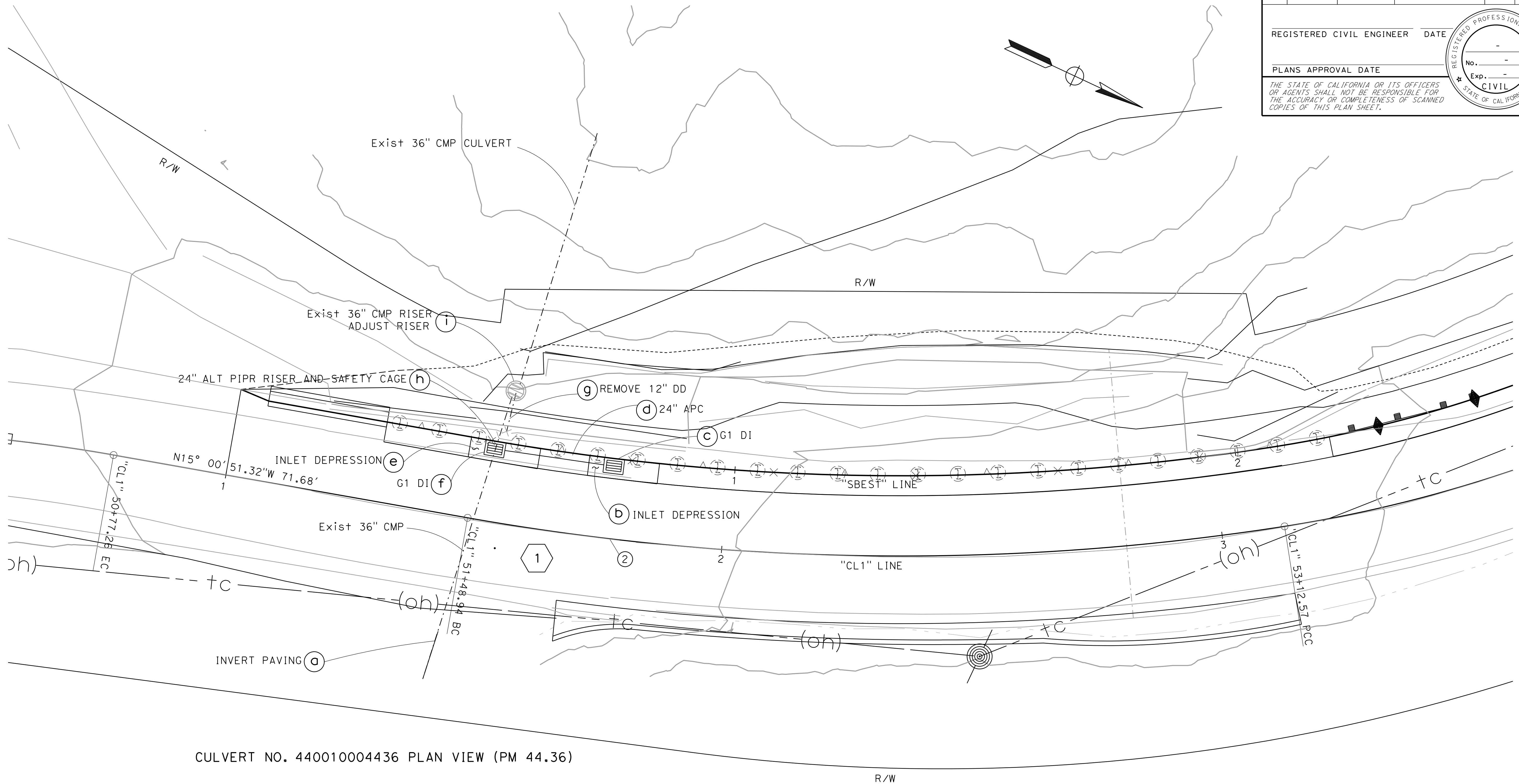
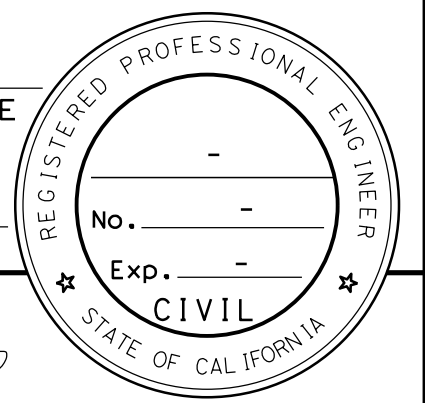
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR: JEFFREY PAYNE
 CALCULATED/DESIGNED BY: ALEXANDER KERSHNER
 CHECKED BY: ALEXANDER KERSHNER
 REVISED BY: ALEXANDER KERSHNER
 DATE REVISED: ALEXANDER KERSHNER

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

REGISTERED CIVIL ENGINEER	DATE
No. -	-
Exp. -	-
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.

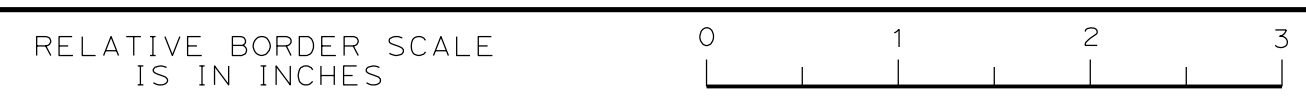


CULVERT NO. 440010004436 PLAN VIEW (PM 44.36)

DRAINAGE PLAN
 SCALE: 1" = 10'
D-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: JEFFREY PAYNE
 CALCULATED/DESIGNED BY: ALEXANDER KERSHNER
 CHECKED BY: ALEXANDER KERSHNER
 REVISED BY: ALEXANDER KERSHNER
 DATE REVISED:

USERNAME =>
 DGN FILE => ... \CAD\HYDRO\0521000188\0001.dgn

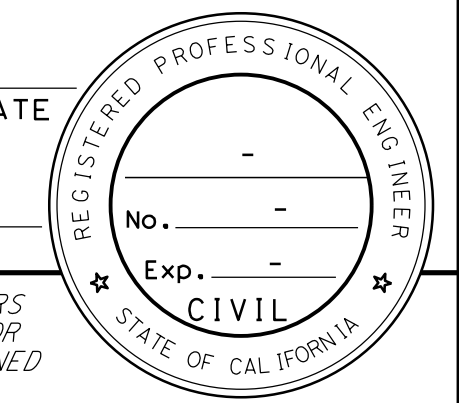


UNIT 1450

PROJECT NUMBER & PHASE 05210001881

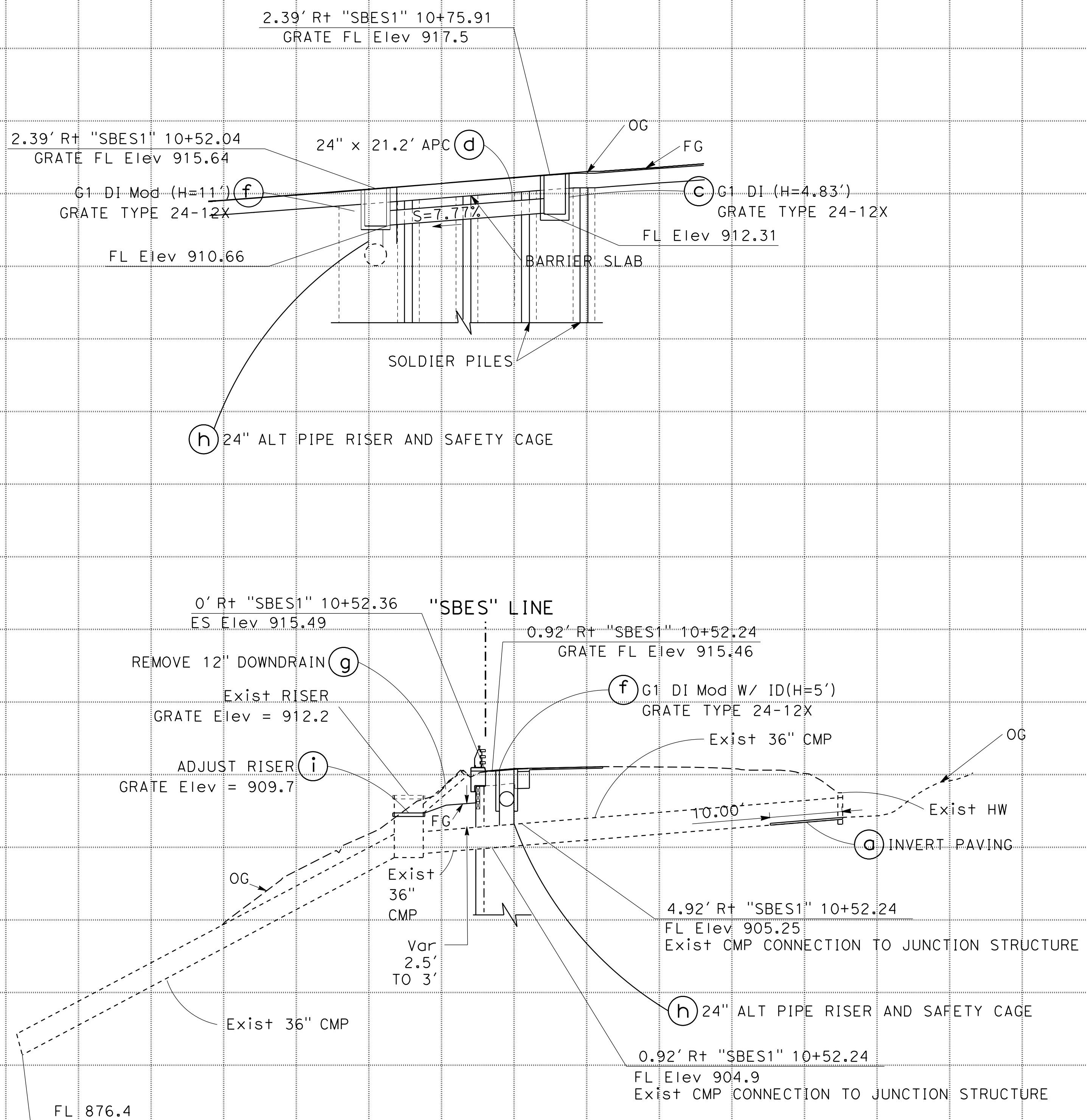
LAST REVISION | DATE PLOTTED => 11/22/2024
 00-00-00 TIME PLOTTED => 11:24:00 AM

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



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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	JEFFREY PAYNE
CALCULATED-DESIGNED BY	CHECKED BY
ALEXANDER KERSHNER	
REVISED BY	DATE REVISED
	930
	920
	910
	925
	915
	905
	895
	885
	875



DRAINAGE SYSTEM No. 1
 "SBES1" 10+45.90 TO 10+61.28

DRAINAGE PROFILES
 SCALE: Horiz 1" = 10'
 Vert 1" = 10'
DP-1

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
Caltrans	
FUNCTIONAL SUPERVISOR	JEFFREY PAYNE
CALCULATED/DESIGNED BY	CHECKED BY
CODY PARROTT	
REVISED BY	DATE REVISED

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.

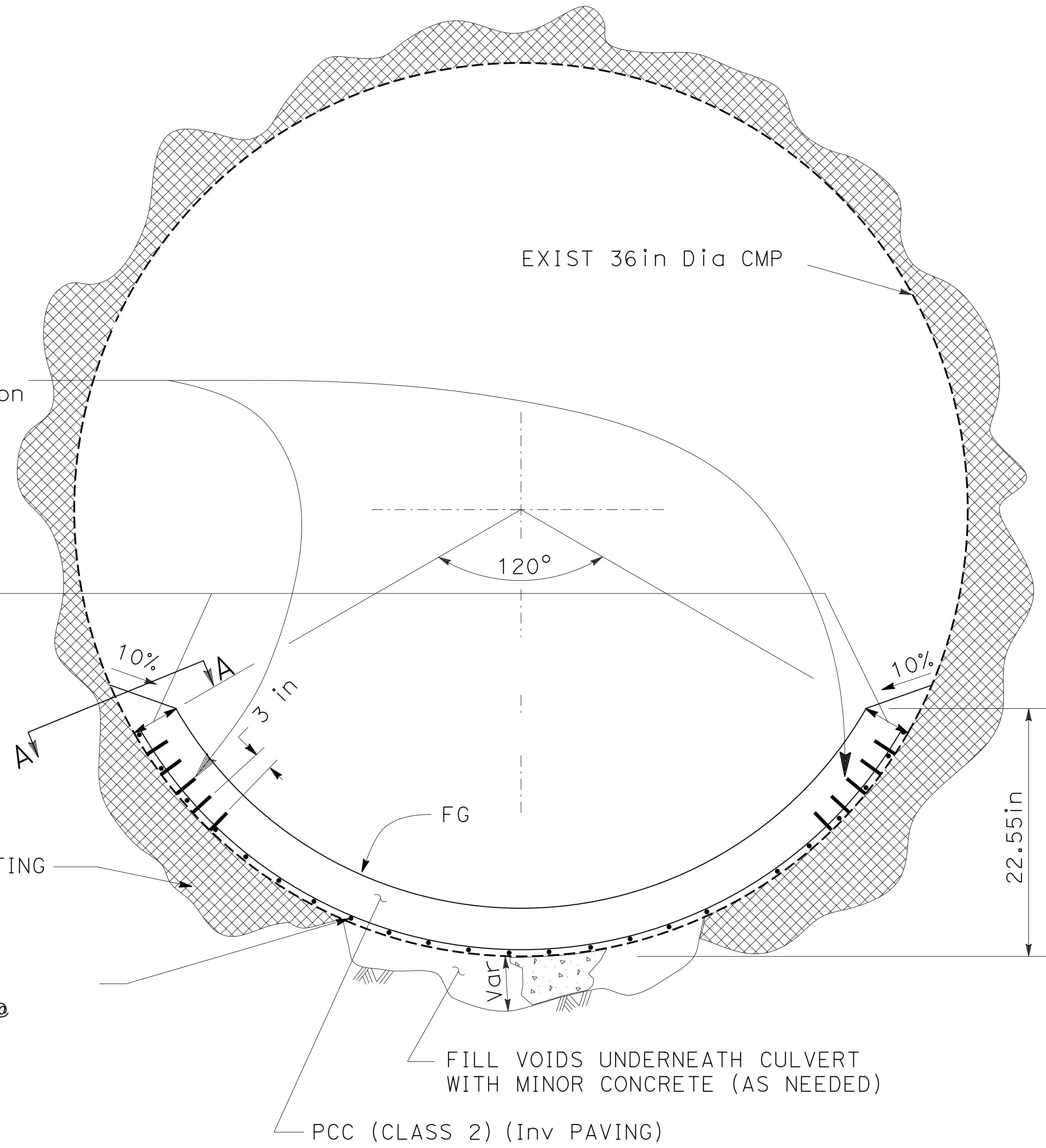
6in ON TOP OF CORRUGATION

CULVERT CONTACT GROUTING (AS NEEDED)

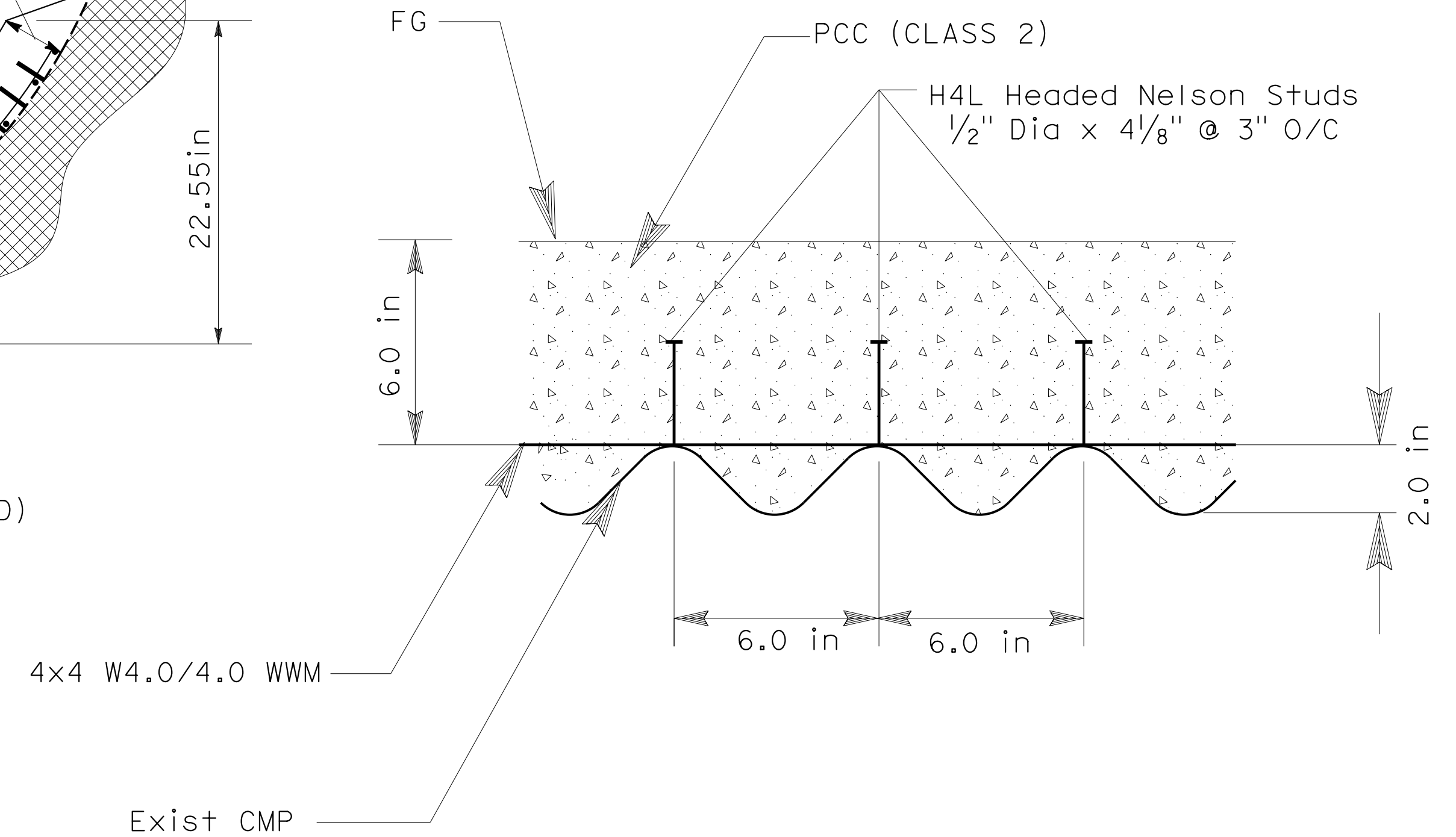
4in x 4in - W4.0/4.0 WWM tack weld mesh to culvert @ 12in spacing each way

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		1

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.

APC ALLOWABLE PIPE MATERIAL

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

DRAINAGE QUANTITIES

SHEET No.	DESCRIPTION	STATION	UNIT	QUANTITY
D-1	DRAINAGE SYSTEM No.			1
	DRAINAGE UNIT			1
	ADJUST RISER		EA	1
	REMOVE 12" DD		EA	1
	DRAINAGE INLET		EA	2
	DRAINAGE INLET MARKER (N)		EA	2
	INLET HEIGHT, "H" (**)		FT	9.8
	STRUCTURAL CONCRETE, DRAINAGE INLET (N)		CY	2.73
	FRAME AND GRATE (TYPE 18-9X)		EA	2
	Misc IRON AND STEEL (N)		LB	478
	24" ALTERNATIVE PIPE CULVERT (N)		LF	21.2
	INLET DEPRESSION (N)		EA	2
	MINOR CONCRETE (INVERT PAVING)		CY	0.87
	MINOR CONCRETE (INVERT PAVING)		LF	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

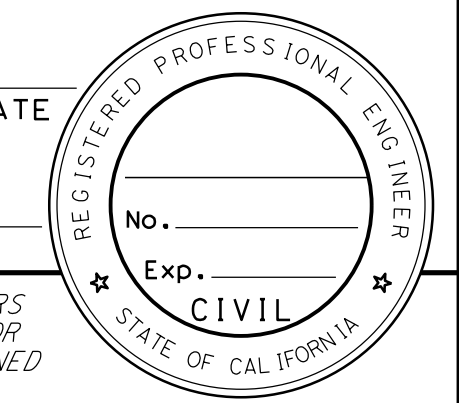
DRAINAGE QUANTITIES DQ-1

LAST REVISION | DATE PLOTTED => 11/22/2024 00-00-00 TIME PLOTTED => 11:52:58 AM

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	

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

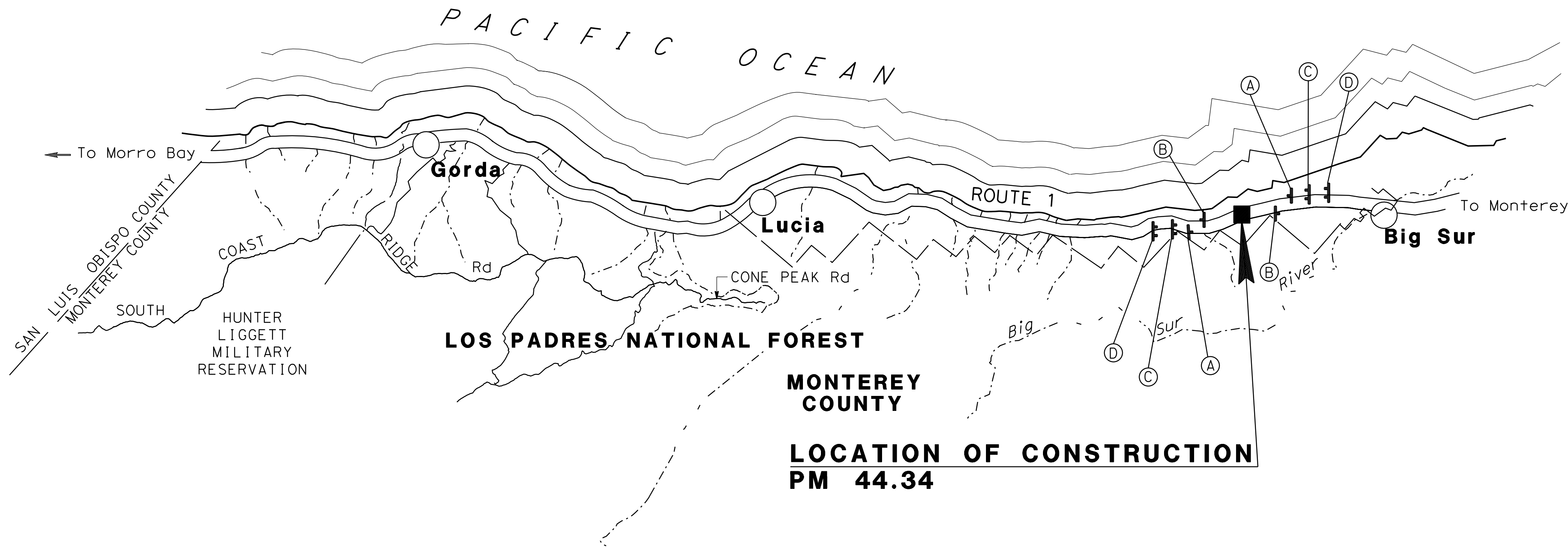
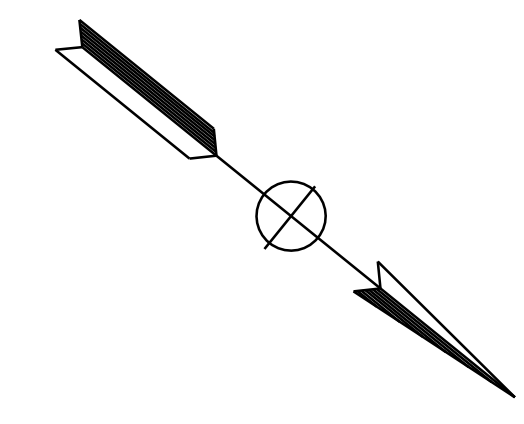


NOTES:

1. 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

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
OUAY F. CHESTER

CALCULATED-DESIGNED BY
CHECKED BY

RUBEN ATILANO
JONATHAN BRAY

REVISED BY
DATE REVISED

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	

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

NOTES:

1. 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.

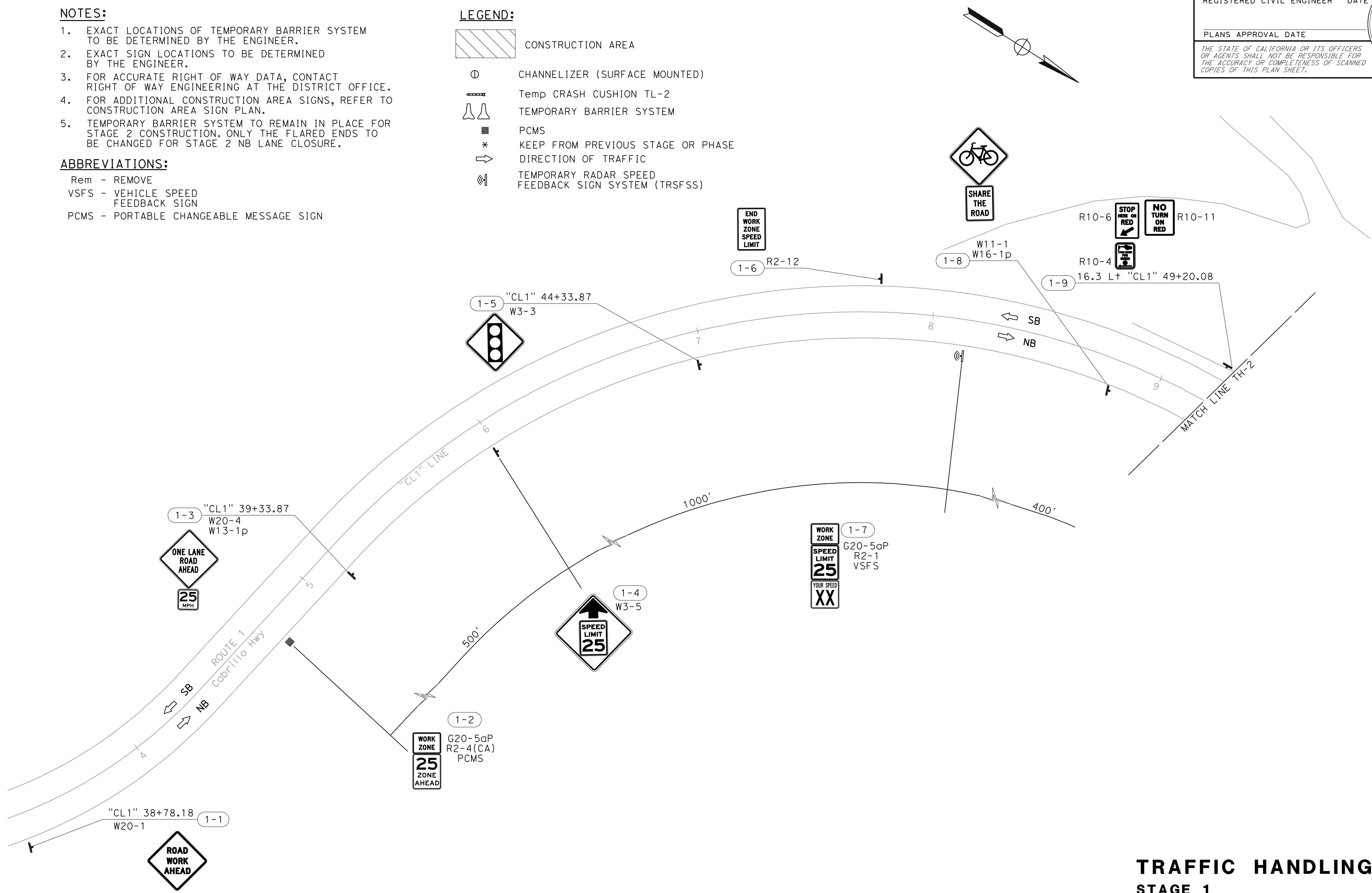
ABBREVIATIONS:

- 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)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans	OUAY F. CHESTER	RUBEN ATILANO	
TRAFFIC DESIGN		JONATHAN BRAY	
		CALCULATED-DESIGNED BY	CHECKED BY

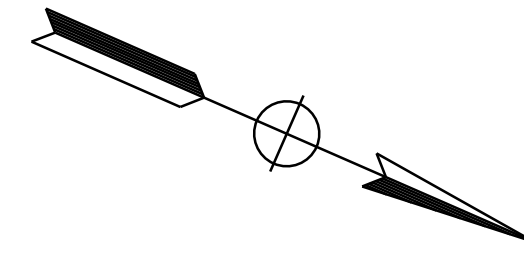


APPROVED FOR TRAFFIC HANDLING WORK ONLY

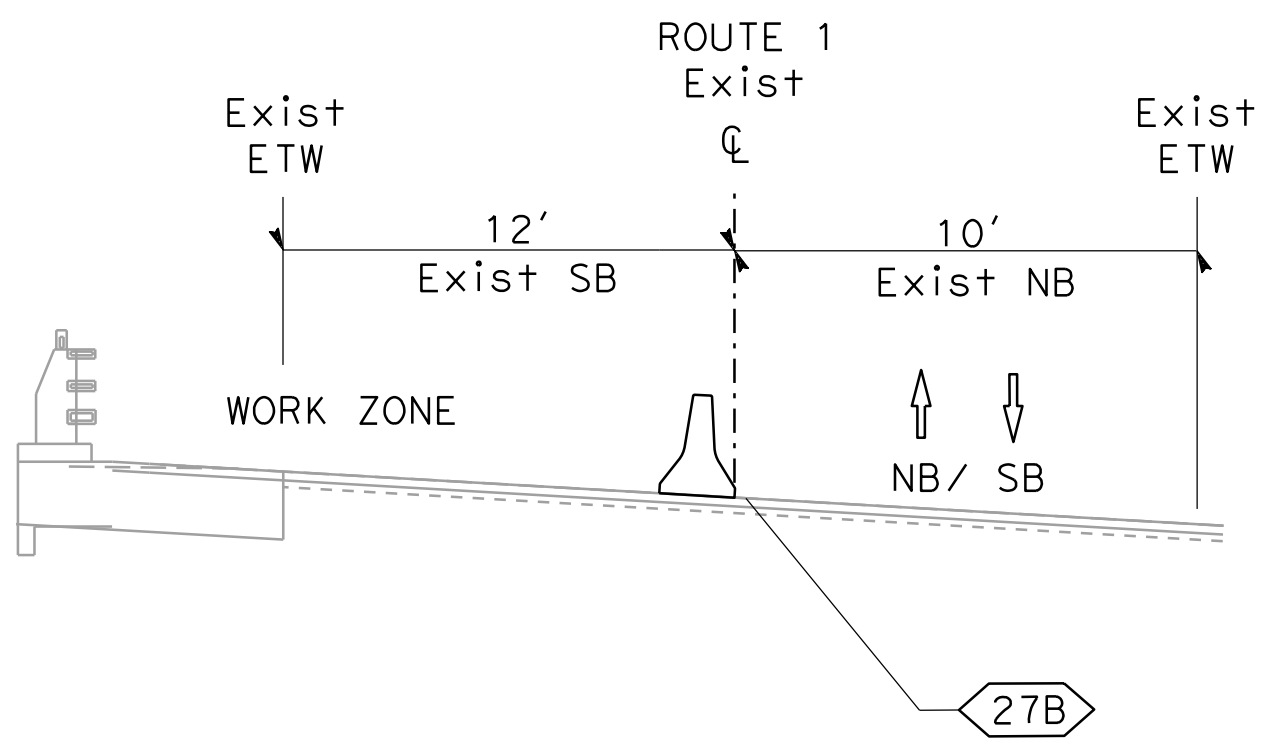
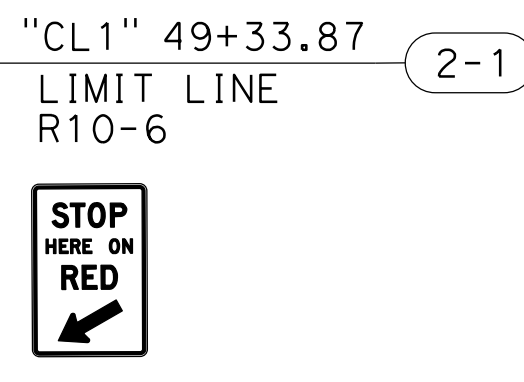
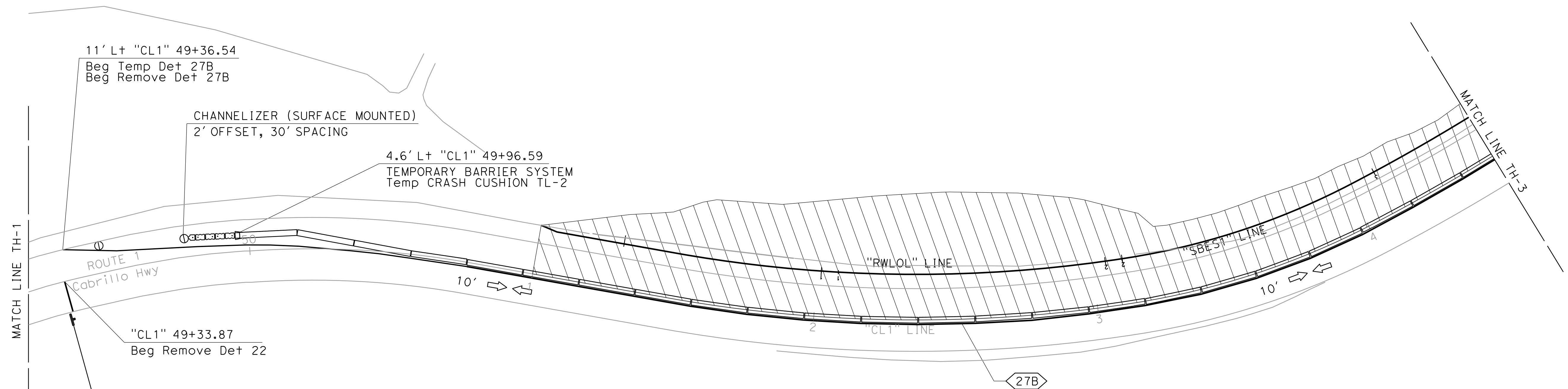
TRAFFIC HANDLING PLAN
STAGE 1
 SCALE: 1" = 20'
TH-1

LAST REVISION | DATE PLOTTED => 11/20/2024 00-00-00 TIME PLOTTED => 10:43:09 AM

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		
<small>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.</small>					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans	OUAY F. CHESTER	RUBEN ATILANO	
TRAFFIC DESIGN		JONATHAN BRAY	
		CALCULATED-DESIGNED BY	CHECKED BY



NO SCALE

APPROVED FOR TRAFFIC HANDLING WORK ONLY

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

LAST REVISION | DATE PLOTTED => 11/20/2024
 00-00-00 TIME PLOTTED => 10:45:23 AM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - **Caltrans** - **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: OUAY F. CHESTER

REVISOR: RUBEN ATILANO, JONATHAN BRAY

DATE REVISIONS: (Empty)

CALCULATED/DESIGNED BY: (Empty)

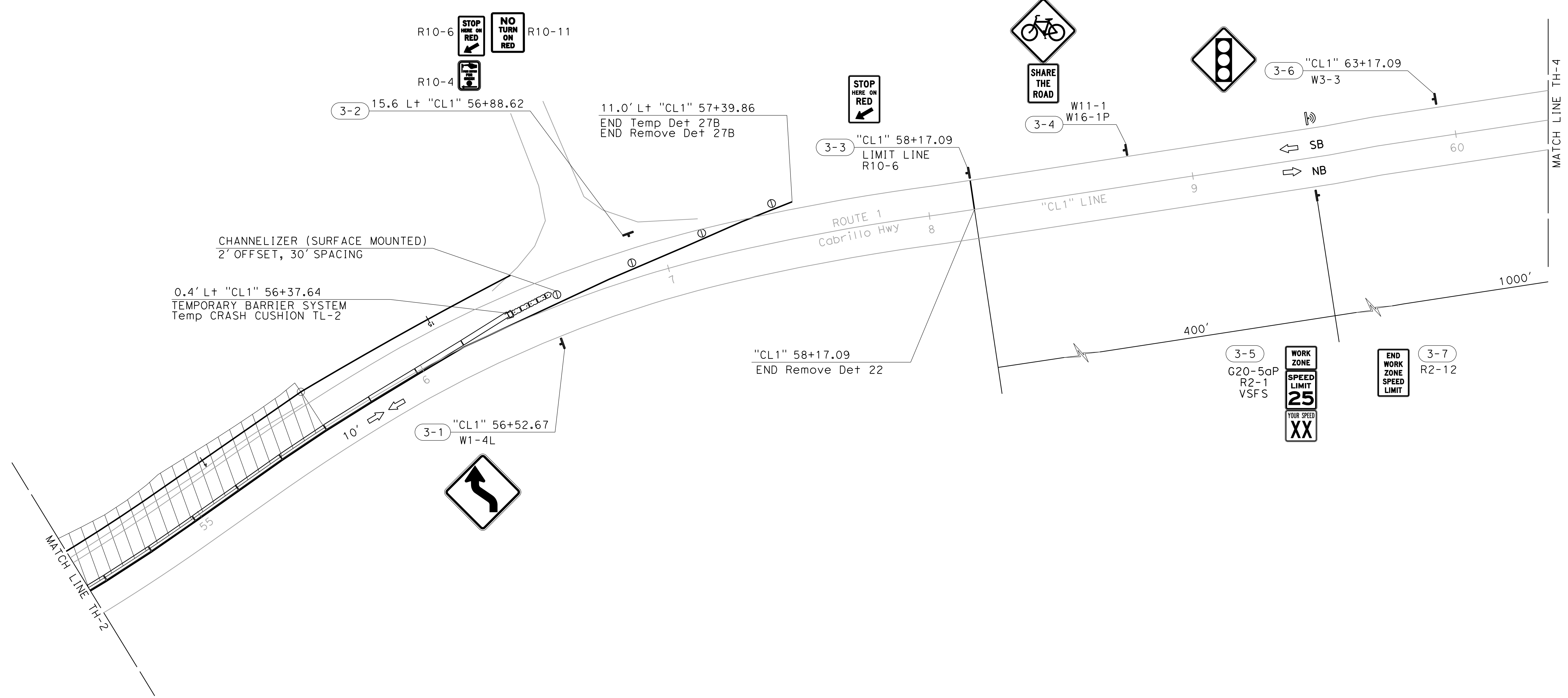
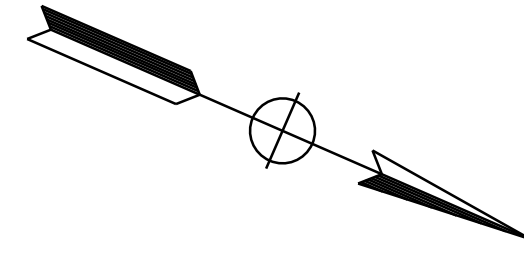
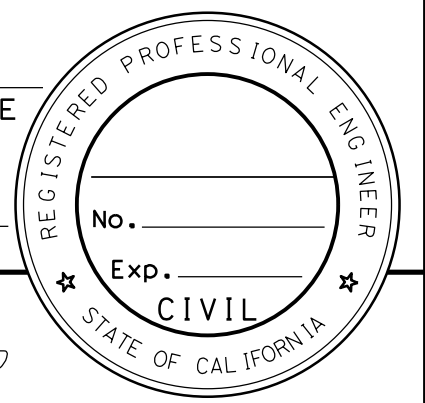
CHECKED BY: (Empty)

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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APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN
STAGE 1
 SCALE: 1" = 20'
TH-3

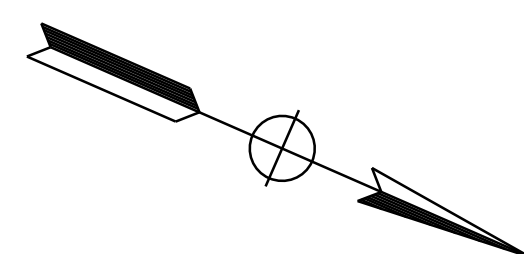
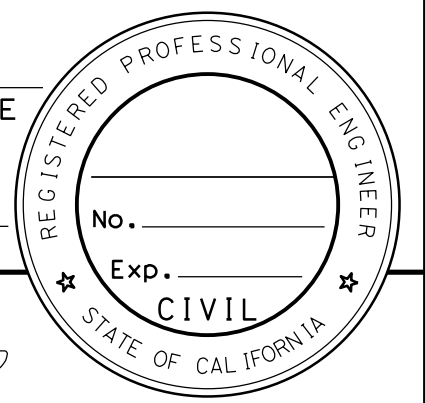
LAST REVISION | DATE PLOTTED => 11/20/2024 00-00-00 TIME PLOTTED => 10:43:36 AM

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

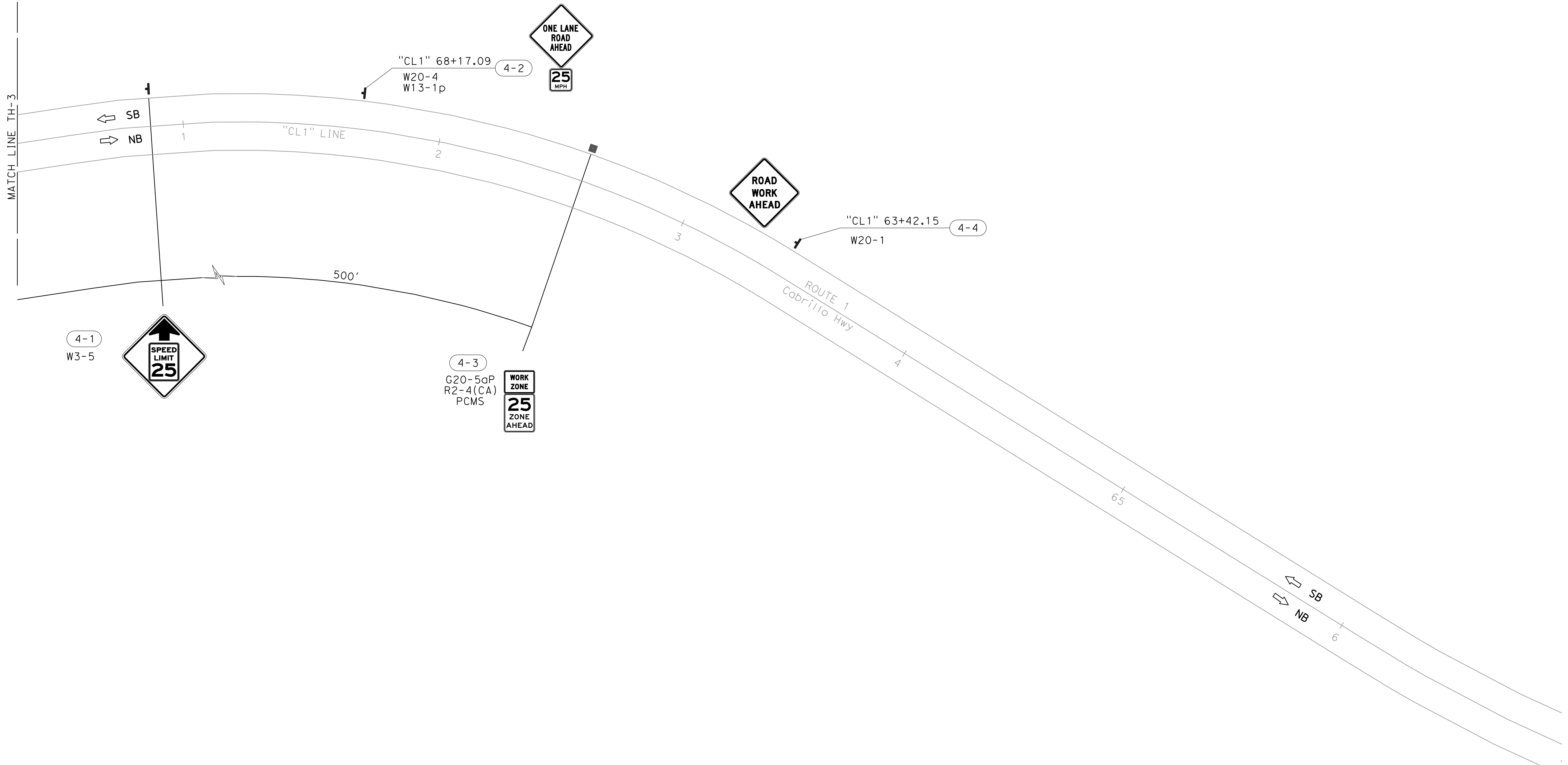
REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE _____

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.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	RUBEN ATILANO	REVISOR BY	
Caltrans	OUAY F. CHESTER	CHECKED BY	JONATHAN BRAY	DATE REVISED	
TRAFFIC DESIGN					



APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN
STAGE 1
 SCALE: 1" = 20'
TH-4

LAST REVISION | DATE PLOTTED => 11/20/2024
 00-00-00 TIME PLOTTED => 10:43:51 AM

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 R2-4(CA).25	WORK ZONE PLAQUE 25 ZONE AHEAD	24"x18" 24"x30"	PCMS	1			1
TH-1	NB	1-3	W20-4 W13-1p	ONE LANE ROAD AHEAD ADVISORY SPEED PLAQUE	36"x36" 18"x18"	1-4"x6"	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			
TH-1	NB	1-7	G20-5aP R2-1.25 VSFS	WORK ZONE PLAQUE SPEED LIMIT 25 MPH YOUR SPEED XX	24"x18" 24"x30" 24"x24"	TRSFSS		1		
TH-1	NB	1-8	W11-1 W16-1p	BICYCLE TRAFFIC SHARE THE ROAD PLAQUE	30"x30" 18"x24"	1-4"x6"	1			
TH-1	EB	1-9	R10-6 R10-4 R10-11	STOP HERE ON RED WITH ARROW PUSH BUTTON FOR WALK SIGNAL NO TURN ON RED	24"x36" 9"x12" 24"x30"	1-4"x6"	1			
TH-1	NB	2-1	R10-6	STOP HERE ON RED WITH ARROW	24"x36"	1-4"x6"	1			
TH-3	SB	3-1	W1-4I	REVERSE LEFT CURVE	30"x30"	1-4"x6"	1			
TH-3	EB	3-2	R10-6 R10-4 R10-11	STOP HERE ON RED WITH ARROW PUSH BUTTON FOR WALK SIGNAL NO TURN ON RED	24"x36" 9"x12" 24"x30"	1-4"x6"	1			
TH-3	SB	3-2	R10-6	STOP HERE ON RED WITH ARROW	24"x36"	1-4"x6"	1			
TH-3	SB	3-3	G20-5aP R2-1.25 VSFS	WORK ZONE PLAQUE SPEED LIMIT 25 MPH YOUR SPEED XX	24"x18" 24"x30" 24"x24"	TRSFSS		1		
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			
TH-4	SB	4-2	W20-4 W13-1p	ONE LANE ROAD AHEAD ADVISORY SPEED PLAQUE	36"x36" 18"x18"	1-4"x6"	1			
TH-4	SB	4-3	G20-5aP R2-4(CA).25	WORK ZONE PLAQUE 25 ZONE AHEAD	24"x18" 24"x30"	PCMS	1			1
TH-4	SB	4-4	W20-1	ROAD WORK AHEAD	36"x36"	1-4"x6"	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 _____

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.



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 LF	WHITE LF	YELLOW LF	
				TH-2	1			1	"CL1"	49+37	54+50
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 TRAFFIC CONTROL DEVICES		
				FROM	TO		TEMPORARY BARRIER SYSTEM LF	ALTERNATIVE TEMPORARY CRASH CUSHION TL-2 EA	CHANNELIZER (SURFACE MOUNTED) 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

LAST REVISION DATE PLOTTED => 12/4/2024 00-00-00 TIME PLOTTED => 3:04:03 PM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 OUAY F. CHESTER
 CALCULATED-DESIGNED BY
 CHECKED BY
 RUBEN ATILANO
 JONATHAN BRAY
 REVISED BY
 DATE REVISED

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					

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.

PAVEMENT DELINEATION QUANTITIES

SHEET No.	ROUTE	"ALIGNMENT" OR POSTMILE	LOCATION		DIRECTION	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE - RECESSED)	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	
			FROM	TO				SOLID	SOLID
			TYPE D	EA				6" LF	6" YELLOW LF
TH-1	1	"CL1"	48+78	49+21	N/SB	22	6		84
TH-2	1	"CL1"	49+21	54+50	N/SB	22	48		1,058
TH-3	1	"CL1"	54+50	58+17	N/SB	22	34		734
TH-2	1	"CL1"	49+37	54+05	SB	27B		469	
TH-3	1	"CL1"	54+05	57+40	SB	27B		335	
TOTAL							88		2,680

PAVEMENT DELINEATION QUANTITIES PDQ-1



PAVEMENT STRUCTURE

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

STAIN GALVANIZED SURFACES

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

REMOVE TIMBER MSE WALL

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

TEMPORARY WATER POLLUTION CONTROL

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

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 COBBY KILMER
 CALCULATED-DESIGNED BY
 CHECKED BY
 TOBIN HOOK
 XXX XXX
 REVISED 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

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.

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	
○	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"	
1P-1	EA 1	EA 1	LF 185	EA 21
1P-2				
TOTAL	1	1	185	21

(N) - NOT A SEPARATE BID ITEM

IRRIGATION SPRINKLER SCHEDULE & IRRIGATION QUANTITIES

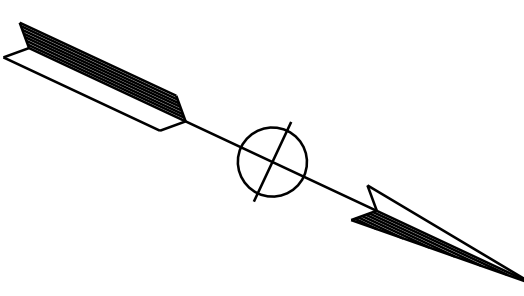
ISS-1

LAST REVISION | DATE PLOTTED => 11/20/2024
 11-20-24 | TIME PLOTTED => 11:01:29 AM

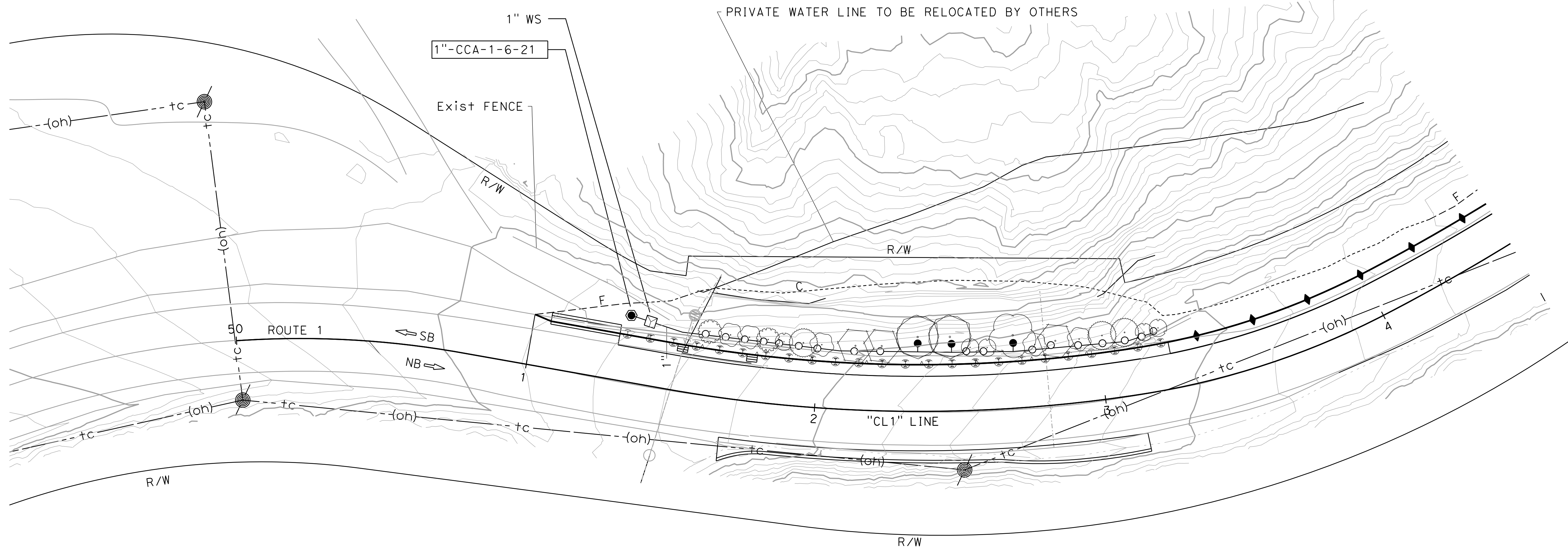
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	44.34	-	-

LICENSED LANDSCAPE ARCHITECT	
XX-XX-XX	Signature
PLANS APPROVAL DATE	10-31-25
	Renewal Date
	XX-XX-XX
	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.



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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: COBBY KILMER
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 TOBIN HOOK: XXX XXX
 REVISED BY: [blank]
 DATE REVISED: [blank]
 XX
 XX-XX-XX

IRRIGATION AND PLANTING PLAN
IPP-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

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.

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		BASIN	PLT ESTB				ETW	EP	FENCE	WALL	EARTH DITCH	SIDEWALK	
					INCH	INCH													
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	
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



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

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.

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)		
						SEED MIX (N)	FIBER (N)	TACKIFIER (N)
		CY	SQFT	LF	SQFT	LB	LB	LB
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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: COBBY KILMER

REVISOR: XX

REVISIONS: XX-XX-XX

REVISOR: XX

REVISIONS: XXX XXX

DESIGNED BY: XXX XXX

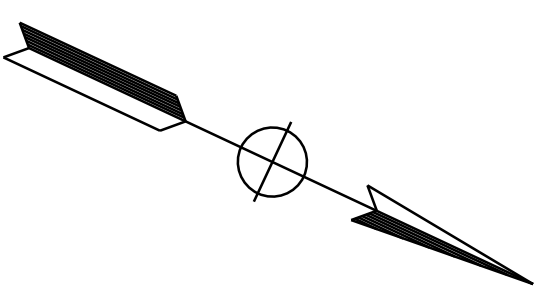
CHECKED BY: XXX XXX



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

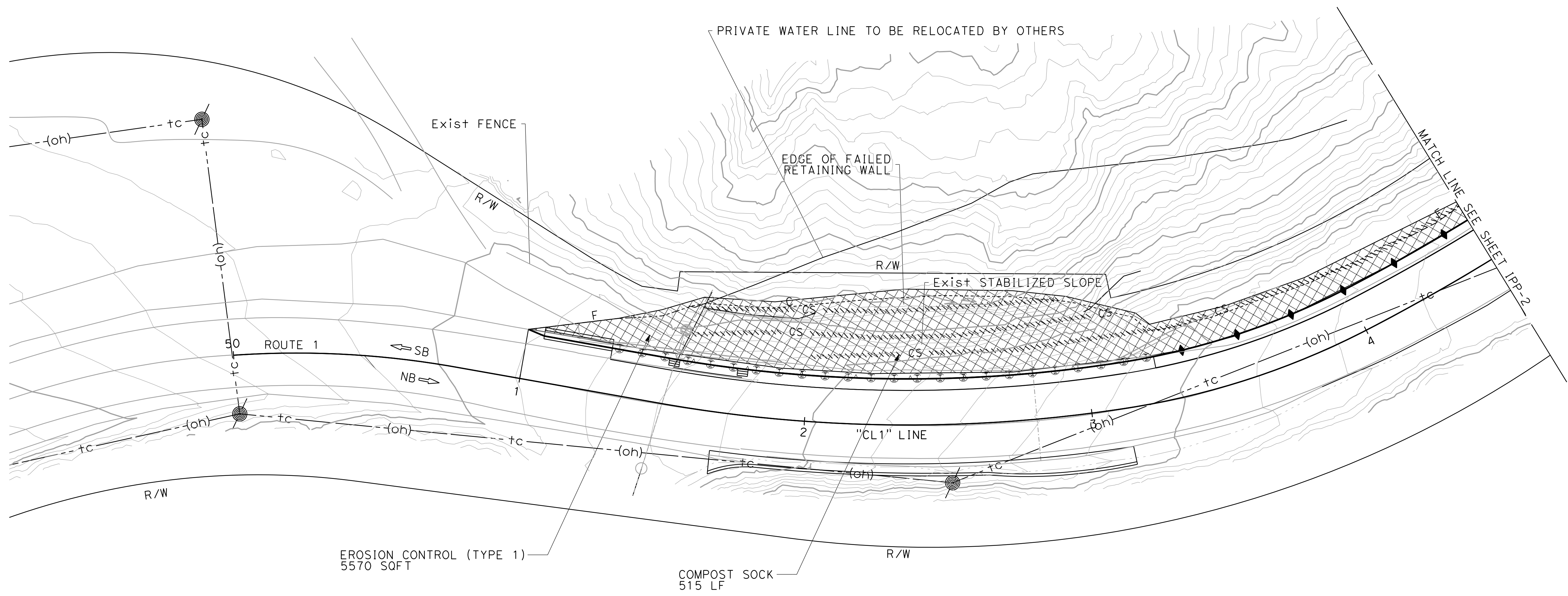
LICENSED LANDSCAPE ARCHITECT	
XX-XX-XX	Signature
PLANS APPROVAL DATE	10-31-25
	Renewal Date
	XX-XX-XX
	Date

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.



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

LEGEND:
 EROSION CONTROL TYPE 1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 COBBY KILMER
 CALCULATED-DESIGNED BY
 CHECKED BY
 TOBIN HOOK
 XXX XXX
 REVISED BY
 DATE REVISED
 XX
 XX-XX-XX

EROSION CONTROL PLAN
EC-1

SCALE: 1" = 20'

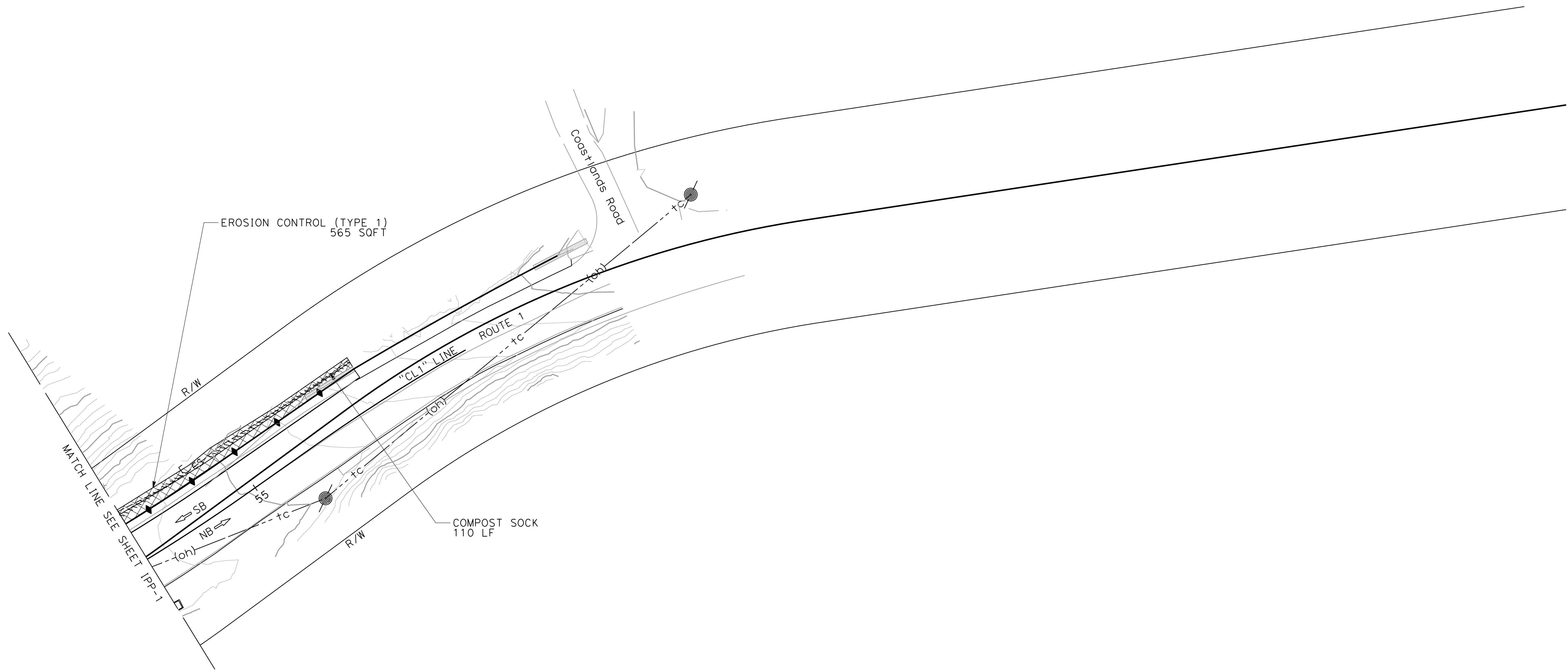
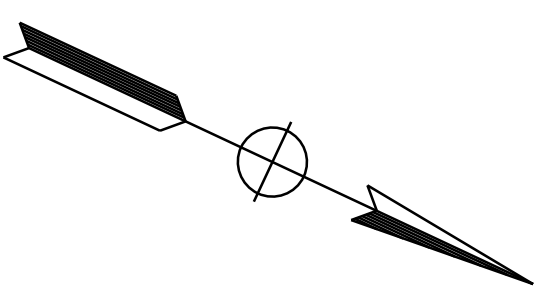
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 COBBY KILMER
 CALCULATED-DESIGNED BY
 CHECKED BY
 TOBIN HOOK
 XXX XXX
 REVISED BY
 DATE REVISED
 XX
 XX-XX-XX

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	-	-

LICENSED LANDSCAPE ARCHITECT
 XX-XX-XX
 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.



EROSION CONTROL PLAN
EC-2

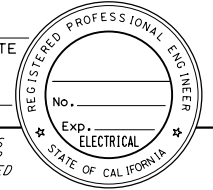
SCALE: 1" = 20'

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

REGISTERED ELECTRICAL ENGINEER DATE _____

PLANS APPROVAL DATE _____


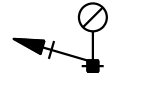

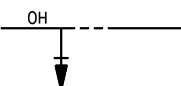



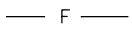


THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

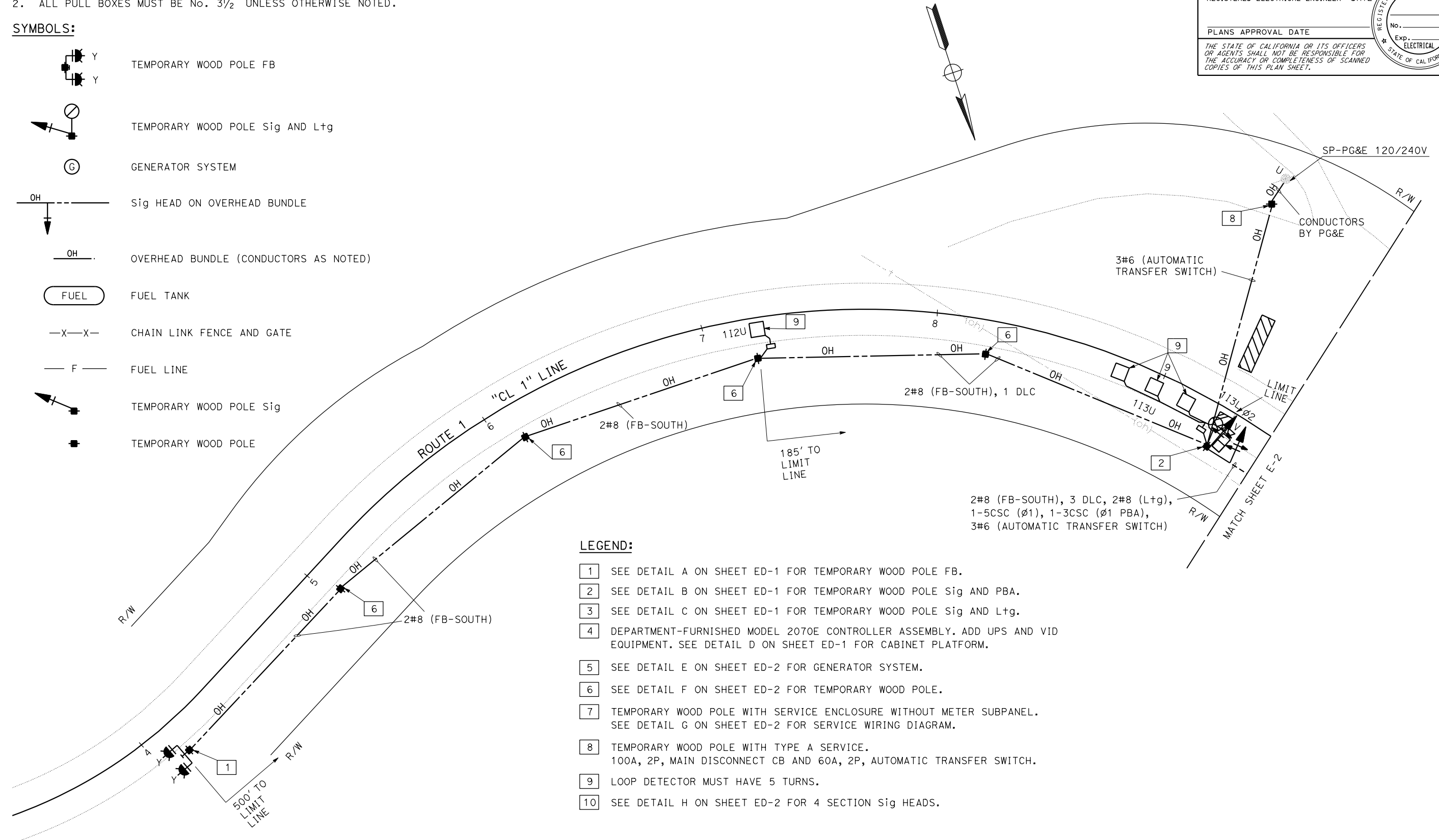


NOTES:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. ALL PULL BOXES MUST BE No. 3½ UNLESS OTHERWISE NOTED.

ABBREVIATIONS:
 VID - VIDEO IMAGE DETECTION

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



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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Stantec 06-ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR ALI BAKHDOUD
 CHECKED BY RAJINDER BRAR
 DESIGNED BY ANDREAS BAWANA
 REVISIONS: REVISED BY DATE REVISED

APPROVED FOR ELECTRICAL WORK ONLY

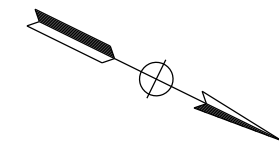
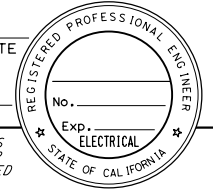
ELECTRICAL SYSTEM E-1
 SCALE: 1" = 20'

DATE PLOTTED => 13-AUG-2024
 TIME PLOTTED => 11:33
 LAST REVISION 07-31-24

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

REGISTERED ELECTRICAL ENGINEER	DATE
PLANS APPROVAL DATE	

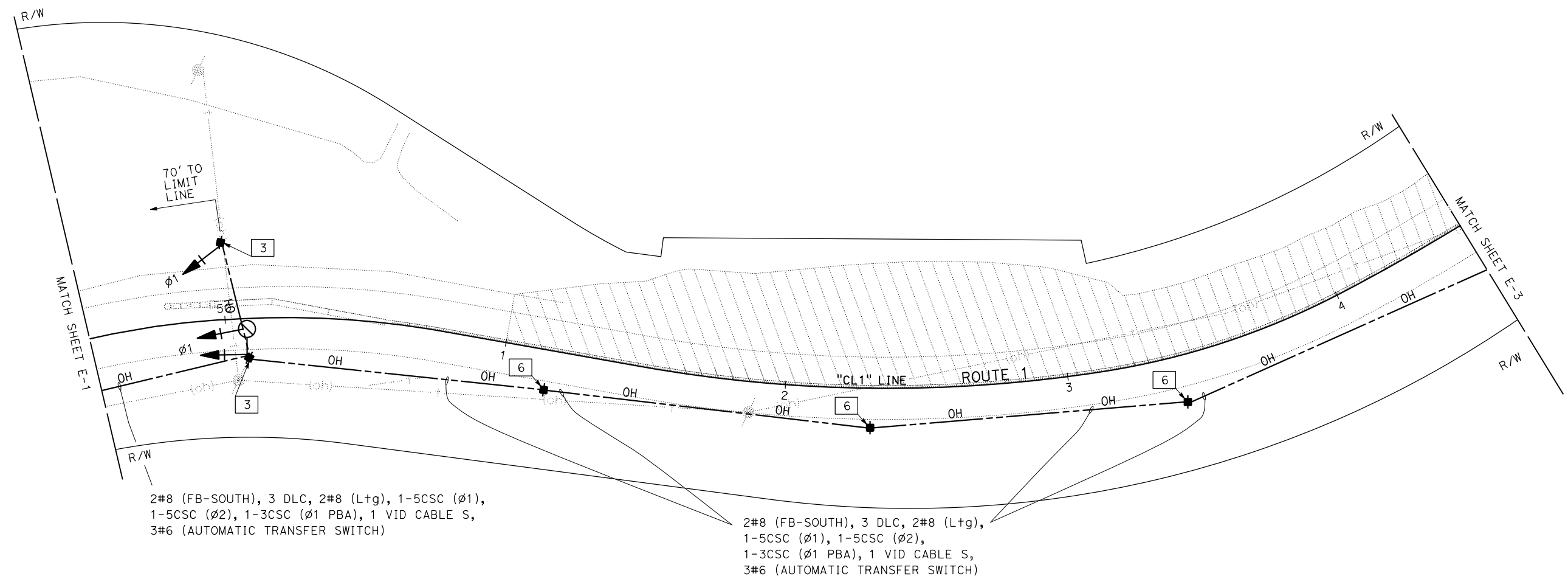
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



NOTES:
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
 CHECKED BY: RAJINDER BRAR
 DESIGNED BY: ANDREAS BAWANA
 REVISIONS: REVISED BY: DATE REVISED:



2#8 (FB-SOUTH), 3 DLC, 2#8 (L+g), 1-5CSC (ø1), 1-5CSC (ø2), 1-3CSC (ø1 PBA), 1 VID CABLE S, 3#6 (AUTOMATIC TRANSFER SWITCH)

2#8 (FB-SOUTH), 3 DLC, 2#8 (L+g), 1-5CSC (ø1), 1-5CSC (ø2), 1-3CSC (ø1 PBA), 1 VID CABLE S, 3#6 (AUTOMATIC TRANSFER SWITCH)

APPROVED FOR ELECTRICAL WORK ONLY

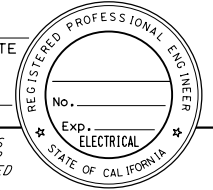
ELECTRICAL SYSTEM
 SCALE: 1" = 20'
E-2

DATE PLOTTED => 13-AUG-2024
 TIME PLOTTED => 11:33
 LAST REVISION 07-31-24

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

REGISTERED ELECTRICAL ENGINEER	DATE
PLANS APPROVAL DATE	

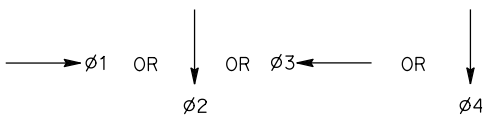
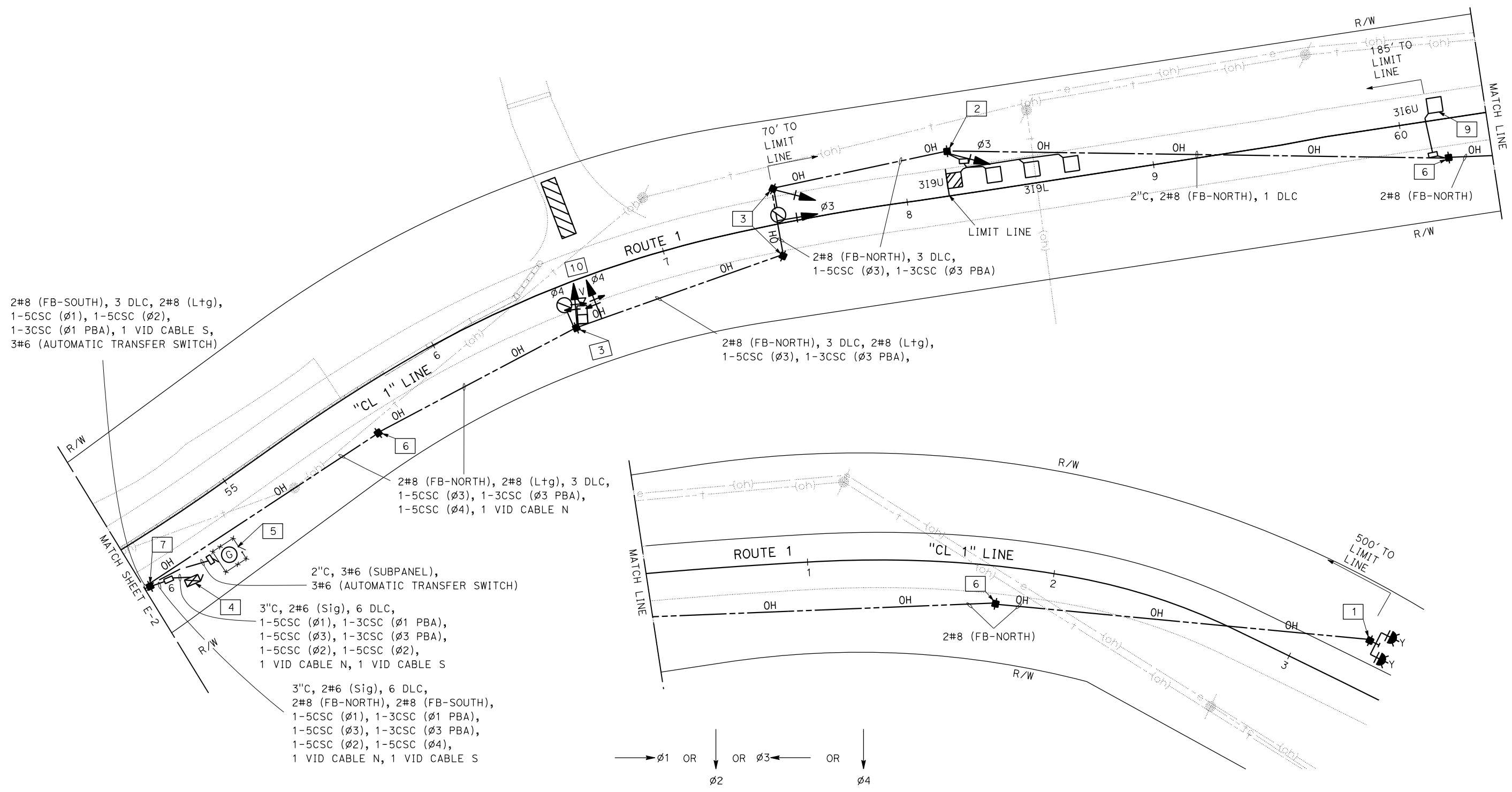
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
 CHECKED BY: RAJINDER BRAR
 DESIGNED BY: ANDREAS BAWANA
 REVISIONS: REVISED BY: DATE REVISED



PHASE DIAGRAM
 APPROVED FOR ELECTRICAL WORK ONLY

ELECTRICAL SYSTEM E-3
 SCALE: 1" = 20'

DATE PLOTTED => 13-AUG-2024
 TIME PLOTTED => 11:33
 LAST REVISION 07-31-24

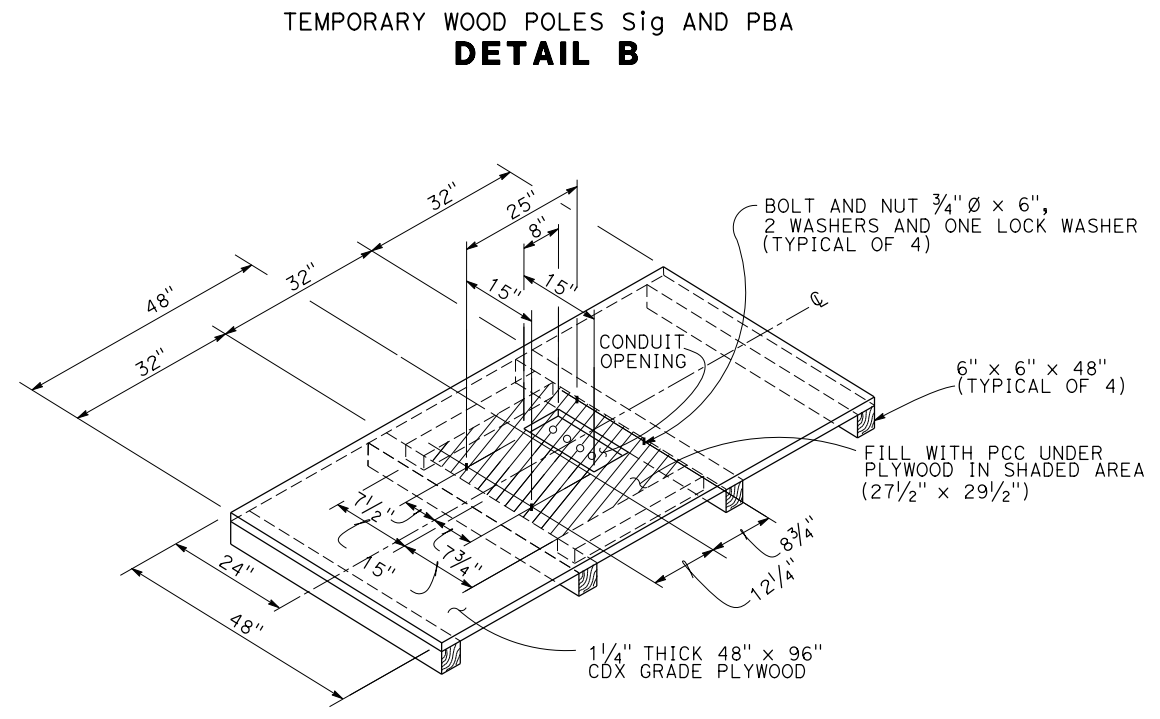
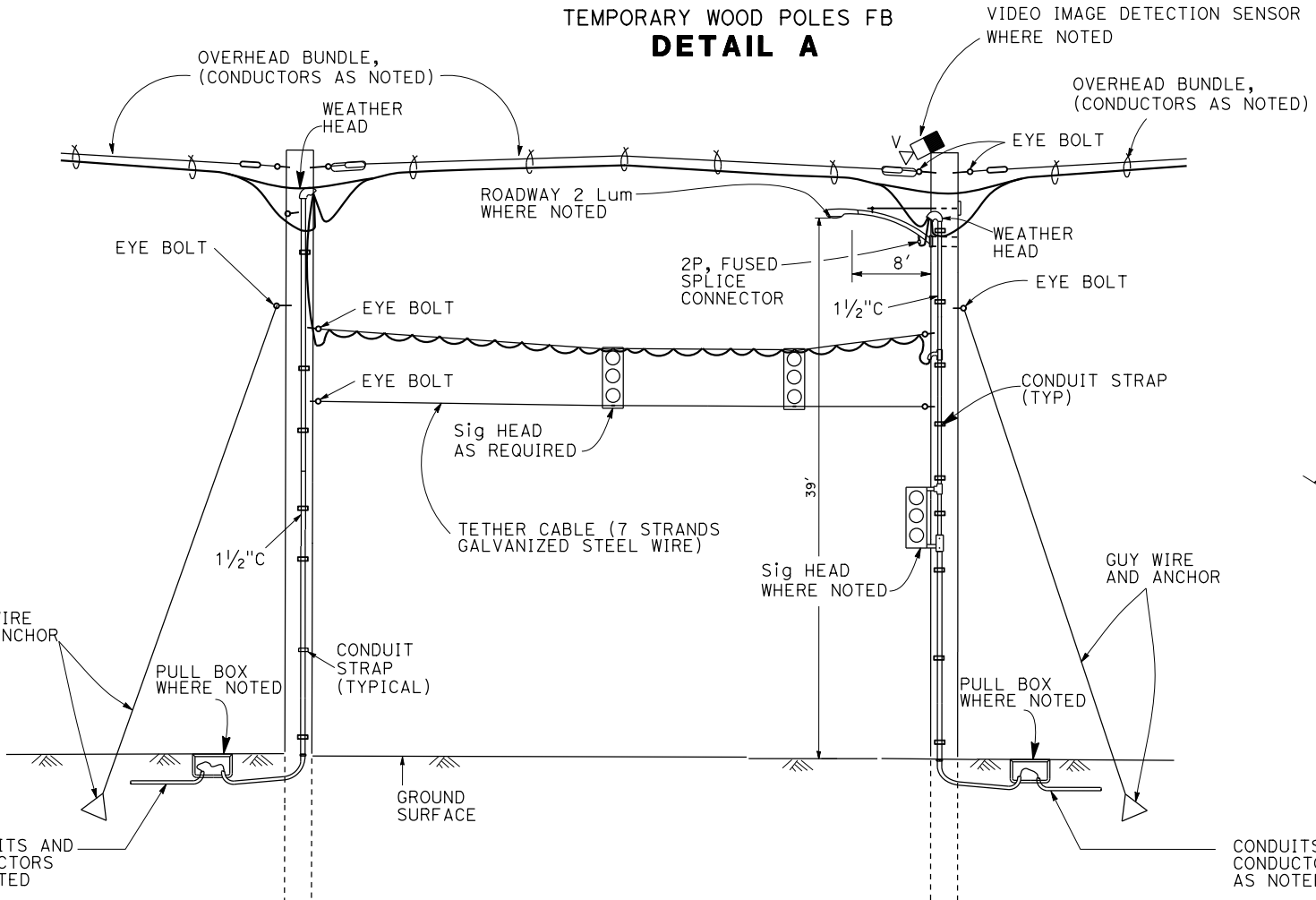
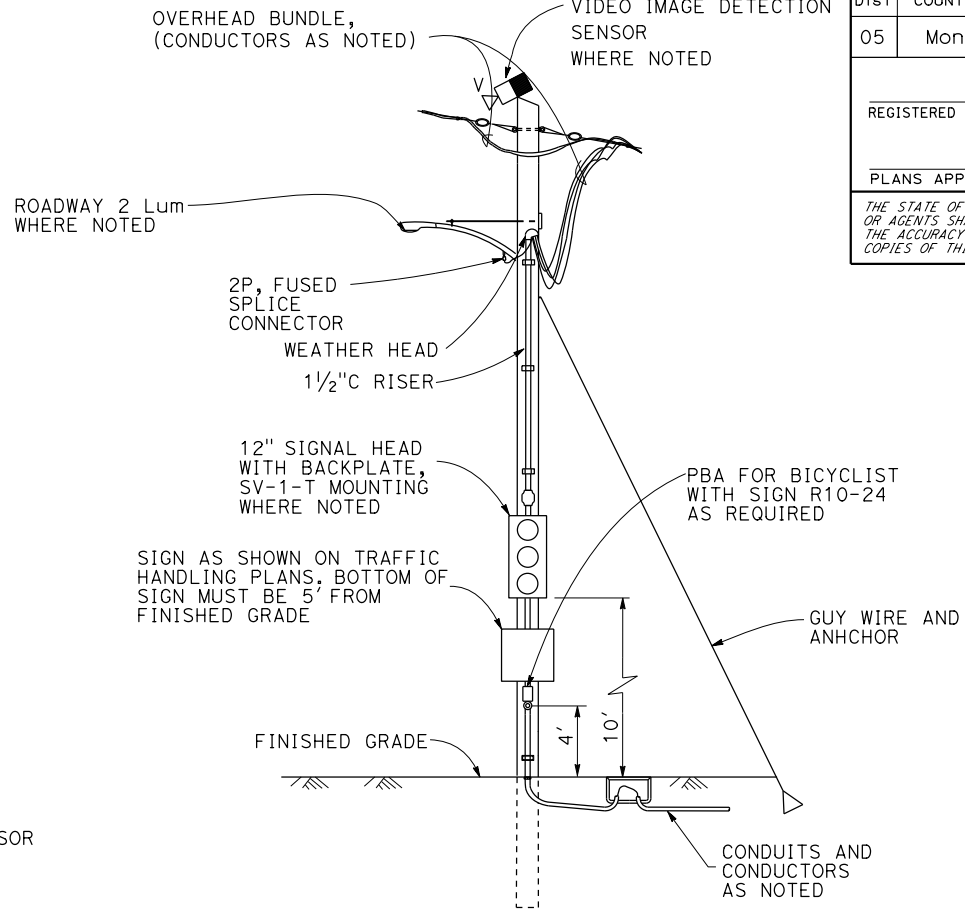
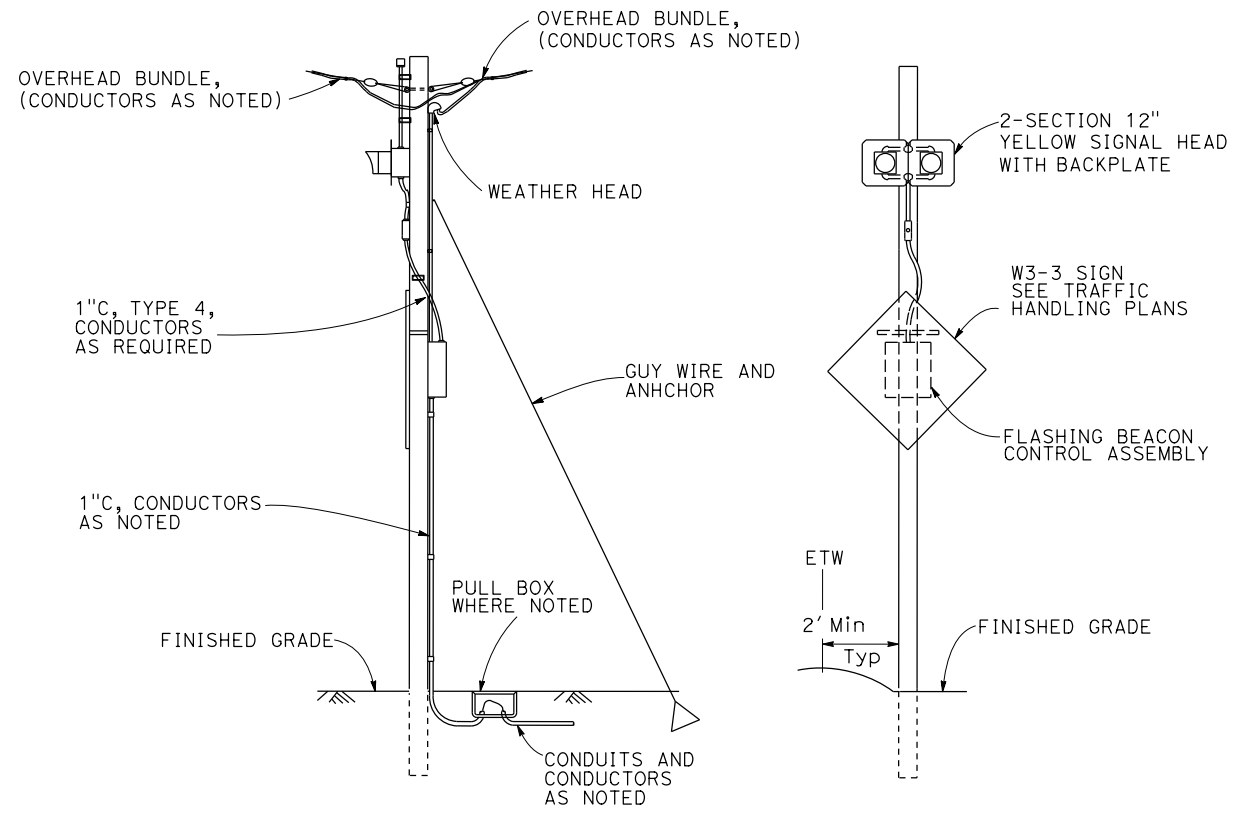
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
 DESIGNED BY: ANDREAS BAWANA
 CHECKED BY: RAJINDER BRAR
 REVISIONS:
 REVISED BY: DATE
 REVISED BY: DATE

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

REGISTERED ELECTRICAL 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.

PROFESSIONAL ENGINEER
 No. _____
 Exp. ELECTRICAL
 STATE OF CALIFORNIA



TEMPORARY WOOD POLES Sig AND Ltg
DETAIL C

TEMPORARY WOOD POLES Sig AND PBA
DETAIL B

CABINET PLATFORM
DETAIL D

TEMPORARY WOOD POLES FB
DETAIL A

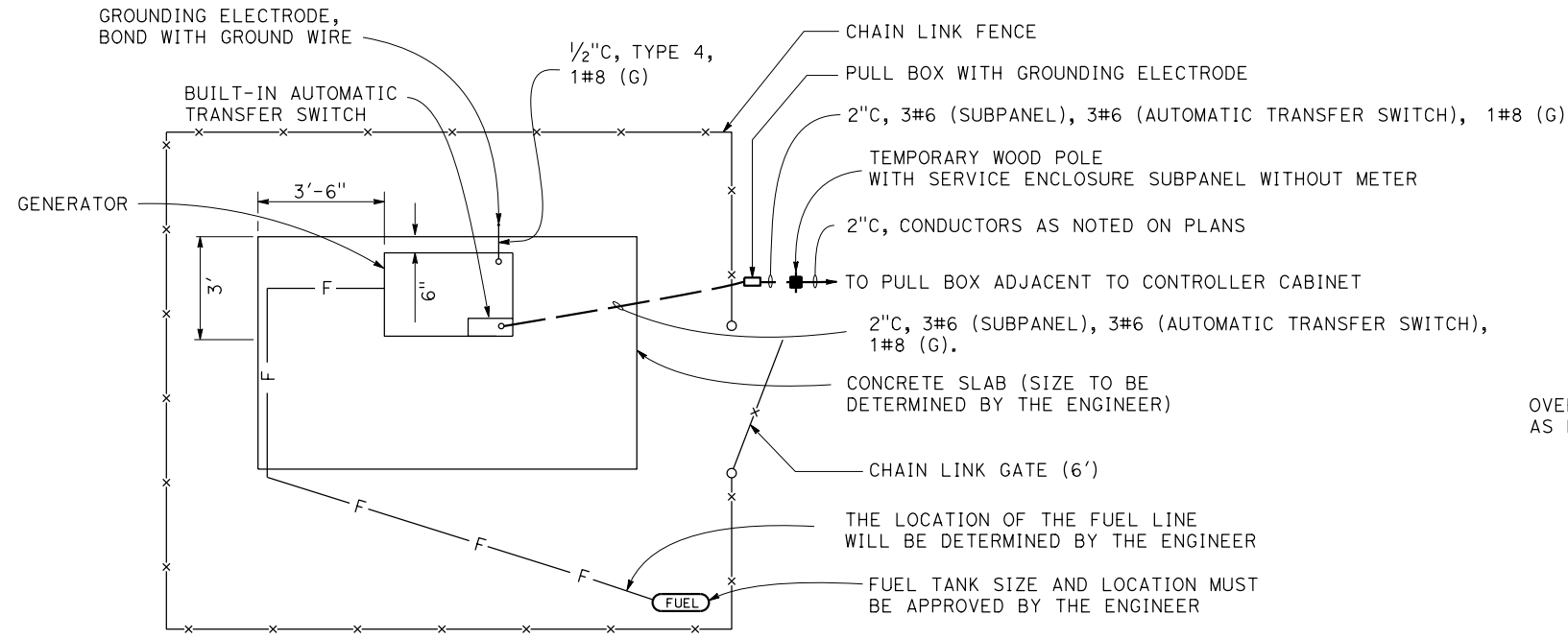
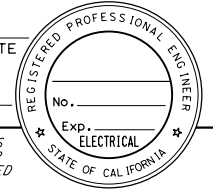
ELECTRICAL DETAILS ED-1
 NO SCALE

DATE PLOTTED => 13-AUG-2024
 TIME PLOTTED => 11:33

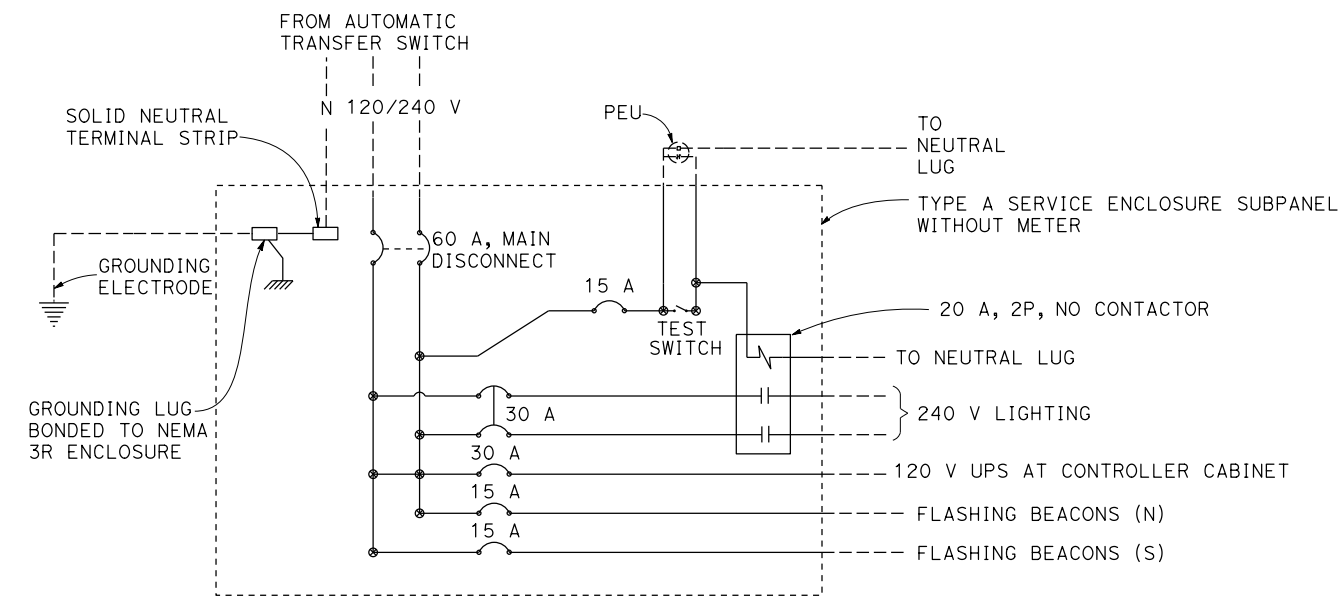
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	44.34	XX	??

REGISTERED ELECTRICAL ENGINEER	DATE
PLANS APPROVAL DATE	

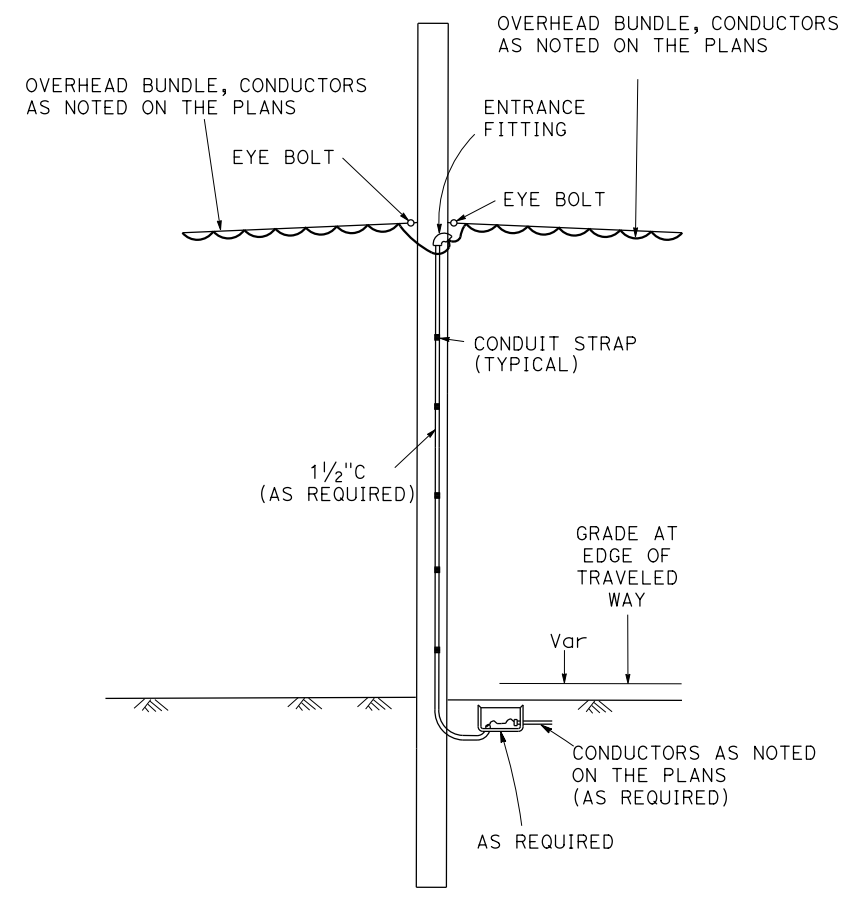
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



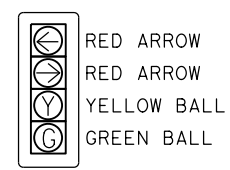
**GENERATOR SYSTEM
DETAIL E**



**SERVICE ENCLOSURE WIRING DIAGRAM
DETAIL G**



**TEMPORARY WOOD POLE
DETAIL F**



**FOUR SECTION SIGNAL HEAD
DETAIL H**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
 DESIGNED BY: ANDREAS BAWANA
 CHECKED BY: RAJINDER BRAR
 REVISIONS: (x) REVISED BY: DATE REVISED:

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR
 ALI BAKHDOUD

CALCULATED-DESIGNED BY
 CHECKED BY

ANDREAS BAWANA
 RAJINDER BRAR

REVISED BY
 DATE REVISED

NOTE:

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

ABBREVIATIONS:

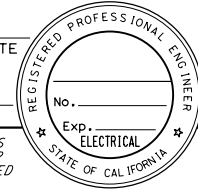
VID - VIDEO IMAGE DETECTION

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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TEMPORARY SIGNAL SYSTEM

SHEET No.	(N)																							
	No. 3/2 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
E-1	2		4	1				1	4	1	1	1	1	1			1120	390	520	40	40	575	650	30
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

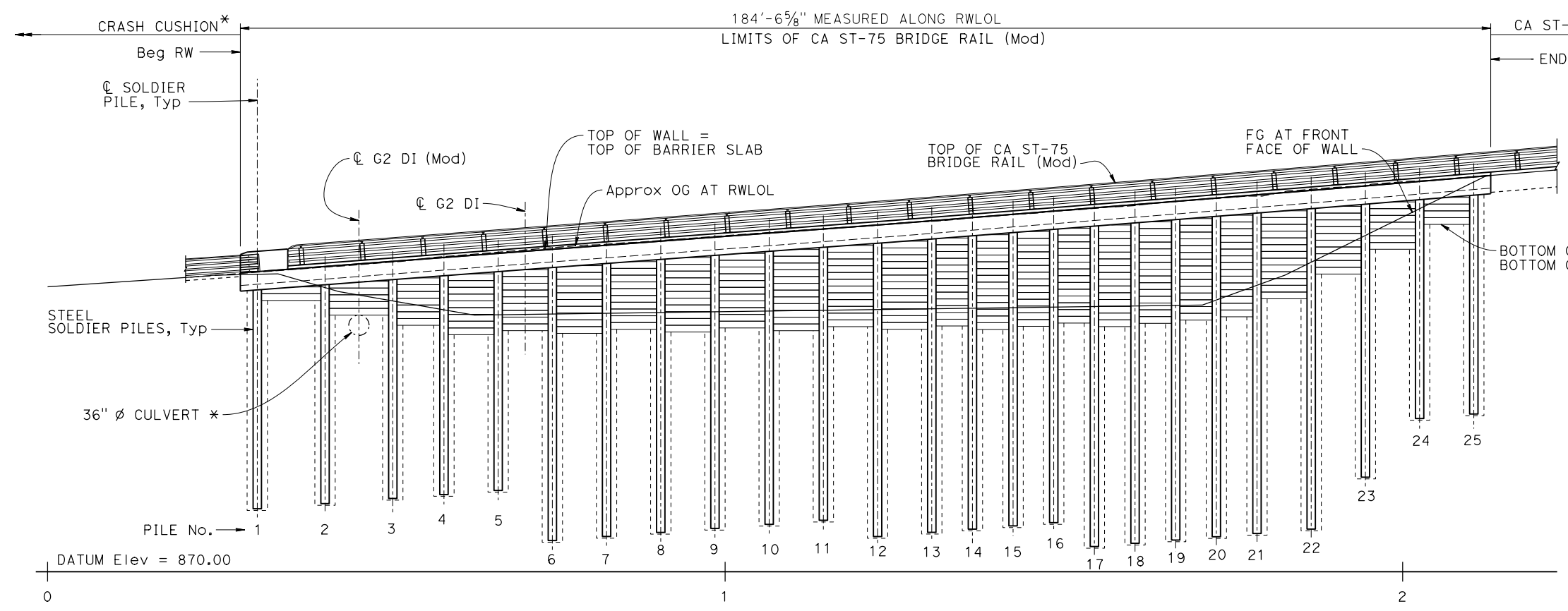
(N) - NOT A SEPARATE BID ITEM

ELECTRICAL QUANTITIES EQ-1

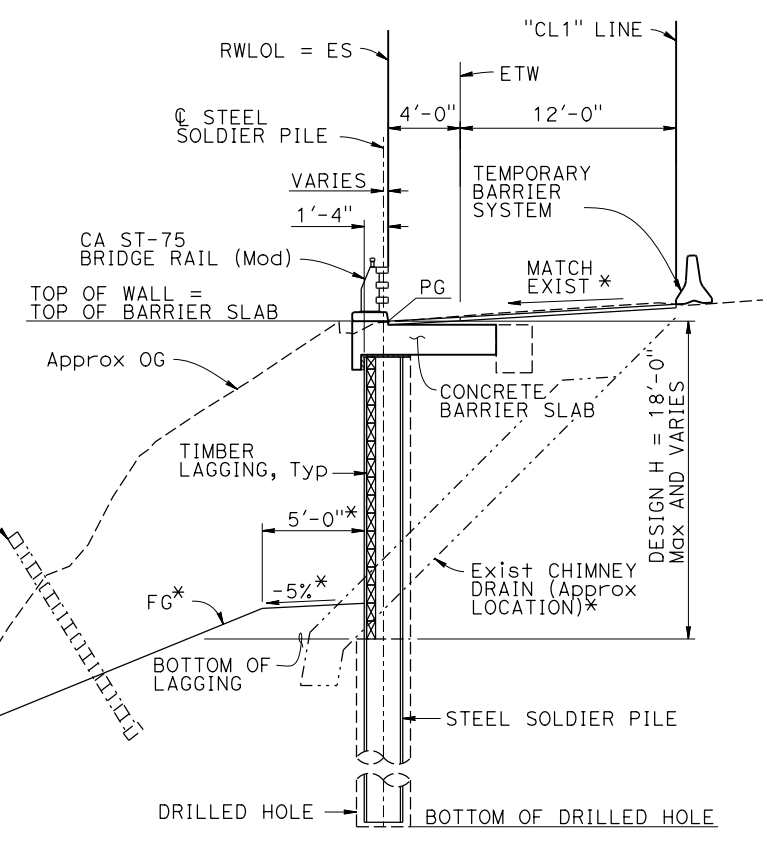
DATE PLOTTED => 13-AUG-2024
 TIME PLOTTED => 11:34

UNCHECKED DETAILS

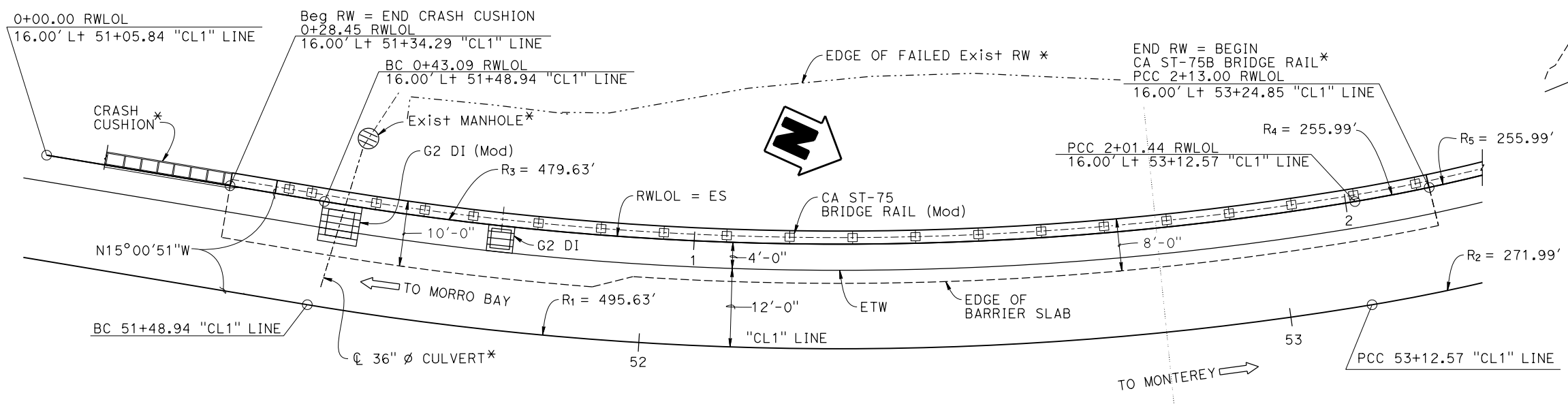
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				X	
REGISTERED CIVIL ENGINEER			DATE		
			Noah Habtezion		
			No. 91388		
			Exp. 06-30-26		
			CIVIL		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



DEVELOPED MIRRORED ELEVATION
1" = 10'



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



CURVE DATA		
R ₁ = 495.63'	R ₂ = 271.99'	R ₃ = 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 ₄ = 255.99'	R ₅ = 255.99'	
Δ = 02°35'15"	Δ = 16°03'01"	
T = 5.78'	T = 36.09'	
L = 11.56'	L = 71.71'	

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

PLAN
1" = 10'

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			POST MILE										
	QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta	SPECIFICATIONS	BY X	PLANS AND SPECS COMPARED			X		44.3								
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REVISION 6/5/2023)		DATE PLOTTED => 20-NOV-2024		TIME PLOTTED => 16:45		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3604		COUNTY/ROUTE/ZONE: Mon/001/4		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES		SHEET OF			
		FILE => 05-1p210-a-gp.dgn		USERNAME => s150745				PROJECT NUMBER & PHASE: 05210001881		CONTRACT No.: 05-1P2104		05-24		11-24		11-24		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):
f_y = 60 ksi
f'c = 4.0 ksi

STEEL SOLDIER PILES AND STEEL PLATES:
F_y = 50 ksi

STRUCTURAL TIMBER:
Treated Douglas Fir No. 1 or better

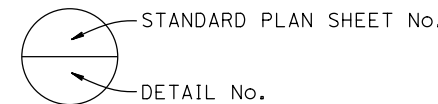
SOIL PARAMETERS:
For Determination of Design Lateral Earth Pressure

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

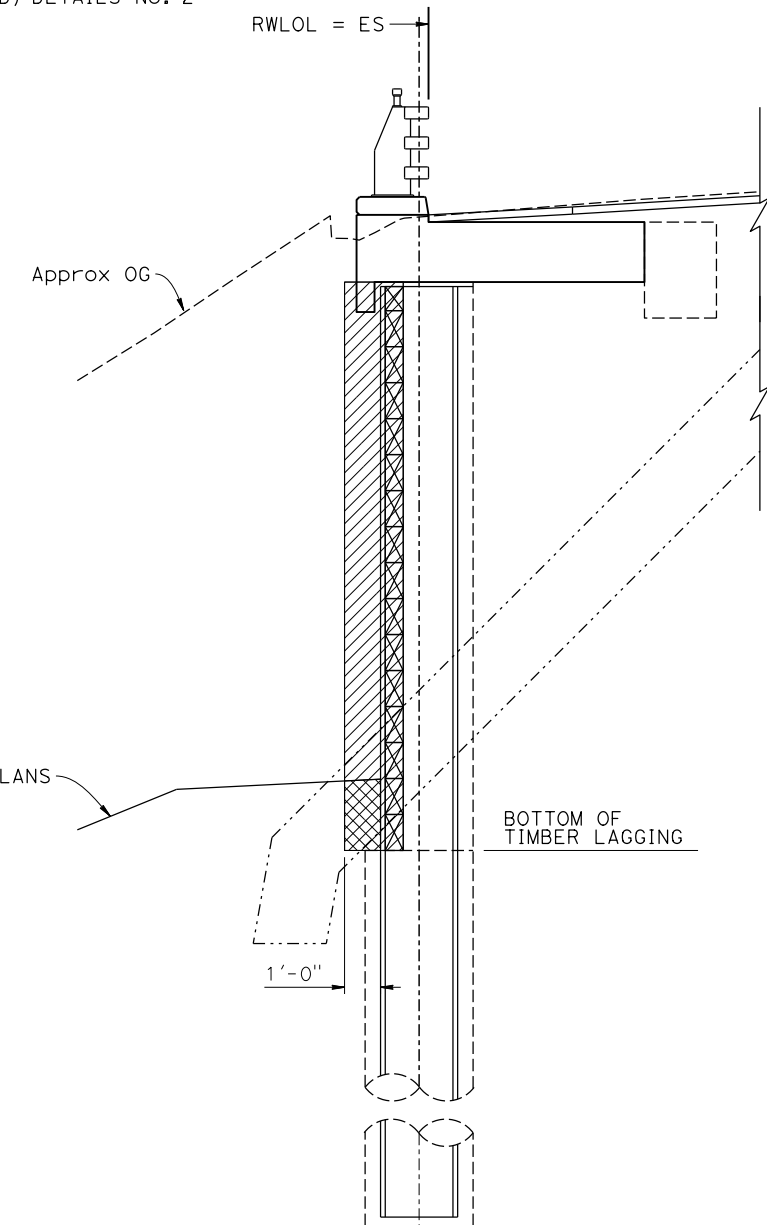
* These parameters were used for soldier pile wall design and the values were updated based on correspondence with Geotechnical Services.

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



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				X	
				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.					



LEGEND:

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

LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL

$\frac{3}{8}'' = 1'-0''$

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

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">DESIGN</td> <td style="width: 30%;">BY Carol Tang</td> <td style="width: 30%;">CHECKED Noah Habtezion</td> </tr> <tr> <td>DETAILS</td> <td>BY Ecaterina Poleanscaia</td> <td>CHECKED Noah Habtezion</td> </tr> <tr> <td>QUANTITIES</td> <td>BY Roberto Macias</td> <td>CHECKED Adrian Peralta</td> </tr> </table>	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 INDEX TO PLANS	COUNTY/ROUTE/ZONE: Mon/001/4 CONTRACT No.: 05-1P2104	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td>1</td> <td>08-26-24</td> <td></td> </tr> <tr> <td>2</td> <td>11-18-24</td> <td></td> </tr> <tr> <td>3</td> <td>11-18-24</td> <td></td> </tr> </table>	NO.	DATE	BY	1	08-26-24		2	11-18-24		3	11-18-24		SHEET 2	OF 14
DESIGN	BY Carol Tang	CHECKED Noah Habtezion																												
DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion																												
QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta																												
NO.	DATE	BY																												
1	08-26-24																													
2	11-18-24																													
3	11-18-24																													
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 6/5/2023)		DATE PLOTTED => 20-NOV-2024 TIME PLOTTED => 16:45 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0		PROJECT NUMBER & PHASE: 05210001881		COUNTY/ROUTE/ZONE: Mon/001/4 CONTRACT No.: 05-1P2104		DISREGARD PRINTS BEARING EARLIER REVISION DATES																						

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

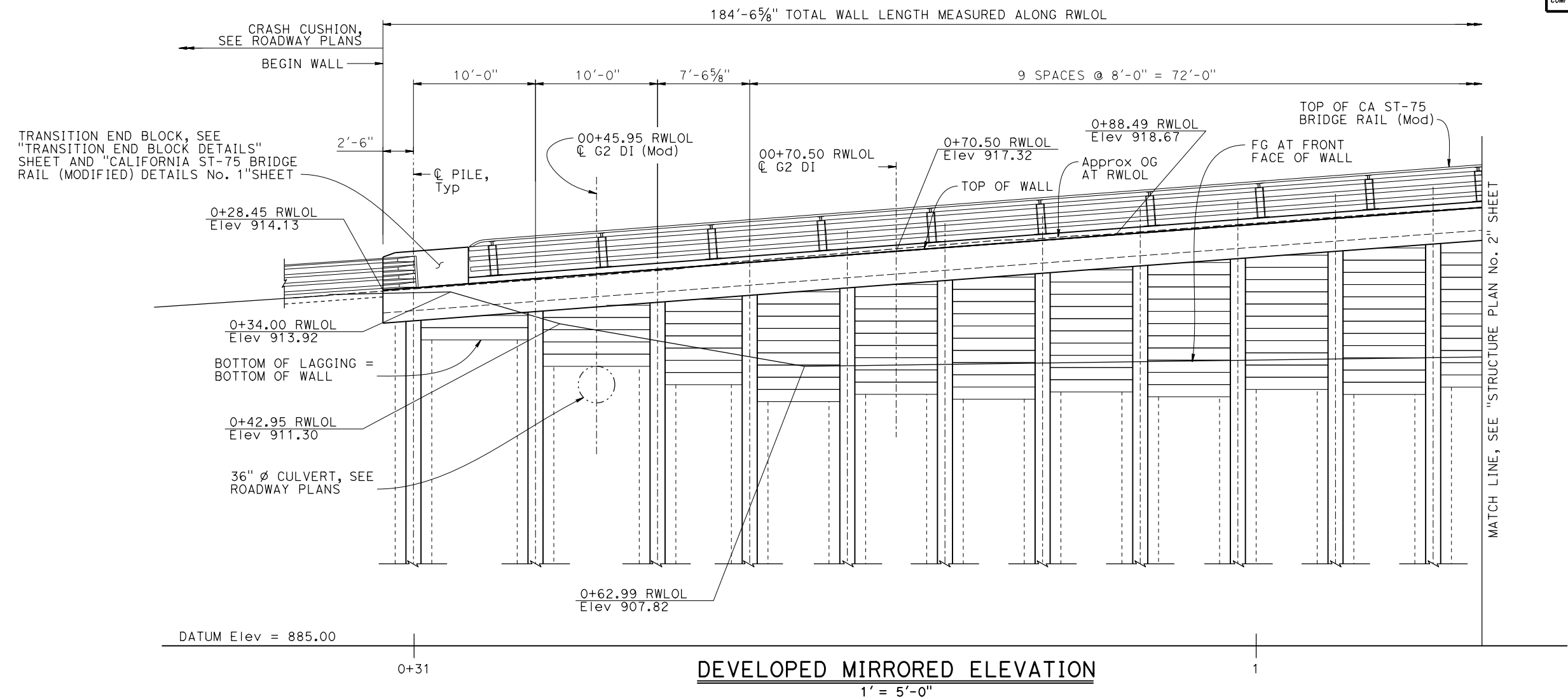
REGISTERED CIVIL ENGINEER X DATE

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.

LEGEND:
----- Existing structure



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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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 STRUCTURE PLAN No. 1												
DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			44E0029													
QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta			44.3													
DATE PLOTTED => 20-NOV-2024		TIME PLOTTED => 16:45		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0	1	2	3	UNIT: 3604	COUNTY/ROUTE/ZONE: Mon/001/4	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF			
FILE => 05-1p210-c-sp01.dgn		USERNAME => s150745				0	1	2	3	PROJECT NUMBER & PHASE: 05210001881		CONTRACT No.: 05-1P2104		05-20-24	08-28-24	10-17-24	3	14

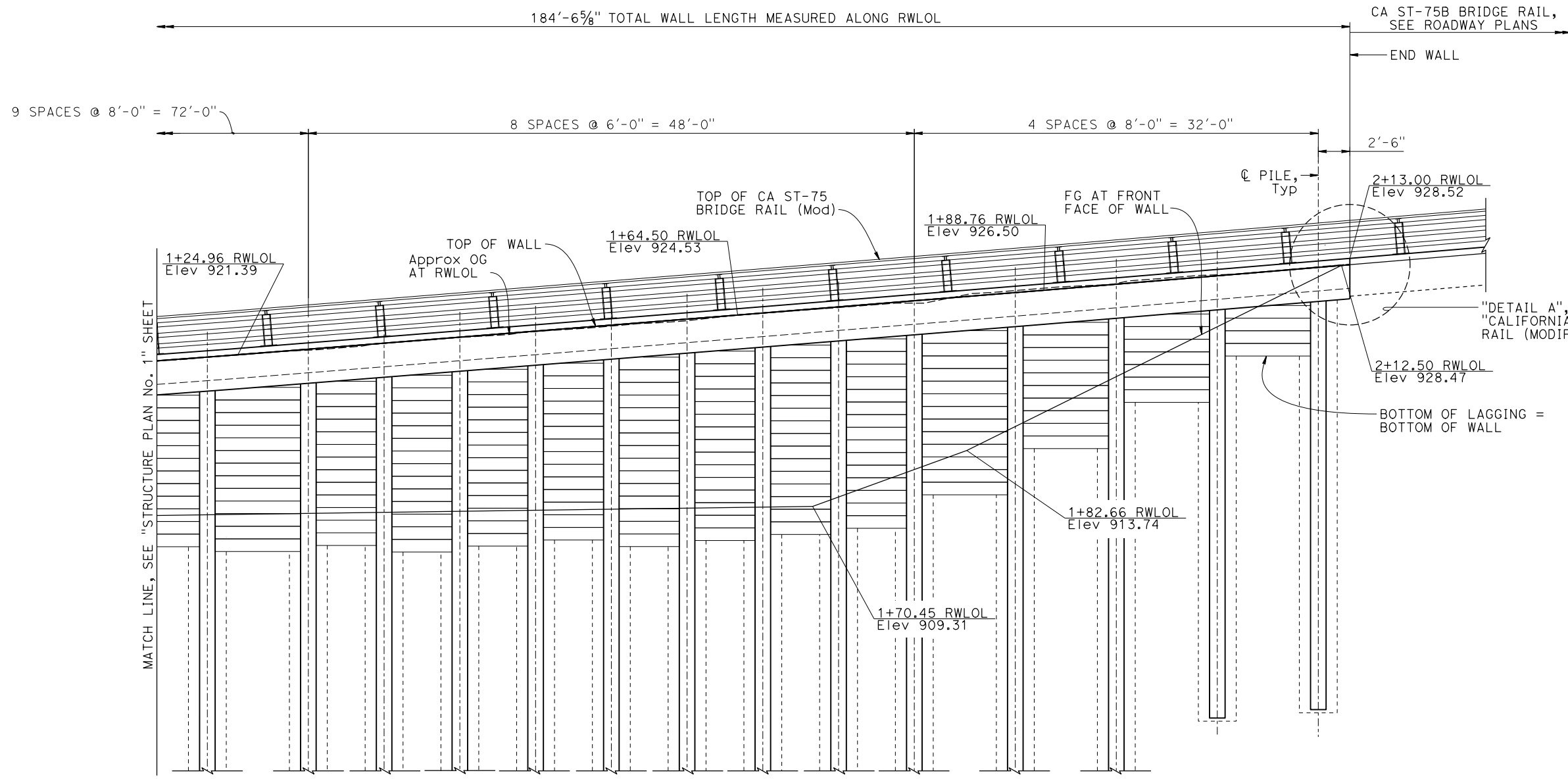
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER X DATE

Noah Habtezion
No. 91388
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LEGEND:
----- Existing structure

"DETAIL A", SEE "CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 1" SHEET

DATUM Elev = 885.00

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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DESIGN BY Carol Tang	CHECKED Noah Habtezion	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 15	BRIDGE No. 44E0029	COASTLANDS II RETAINING WALL STRUCTURE PLAN No. 2			
	CHECKED Noah Habtezion			POST MILE 44.3				
	CHECKED Adrian Peralta							
DATE PLOTTED => 20-NOV-2024 FILE => 05-1p210-c-sp02.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 08-26-24 08-28-24 10-17-24 11-12-24	SHEET 4	OF 14

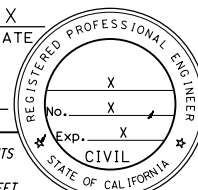
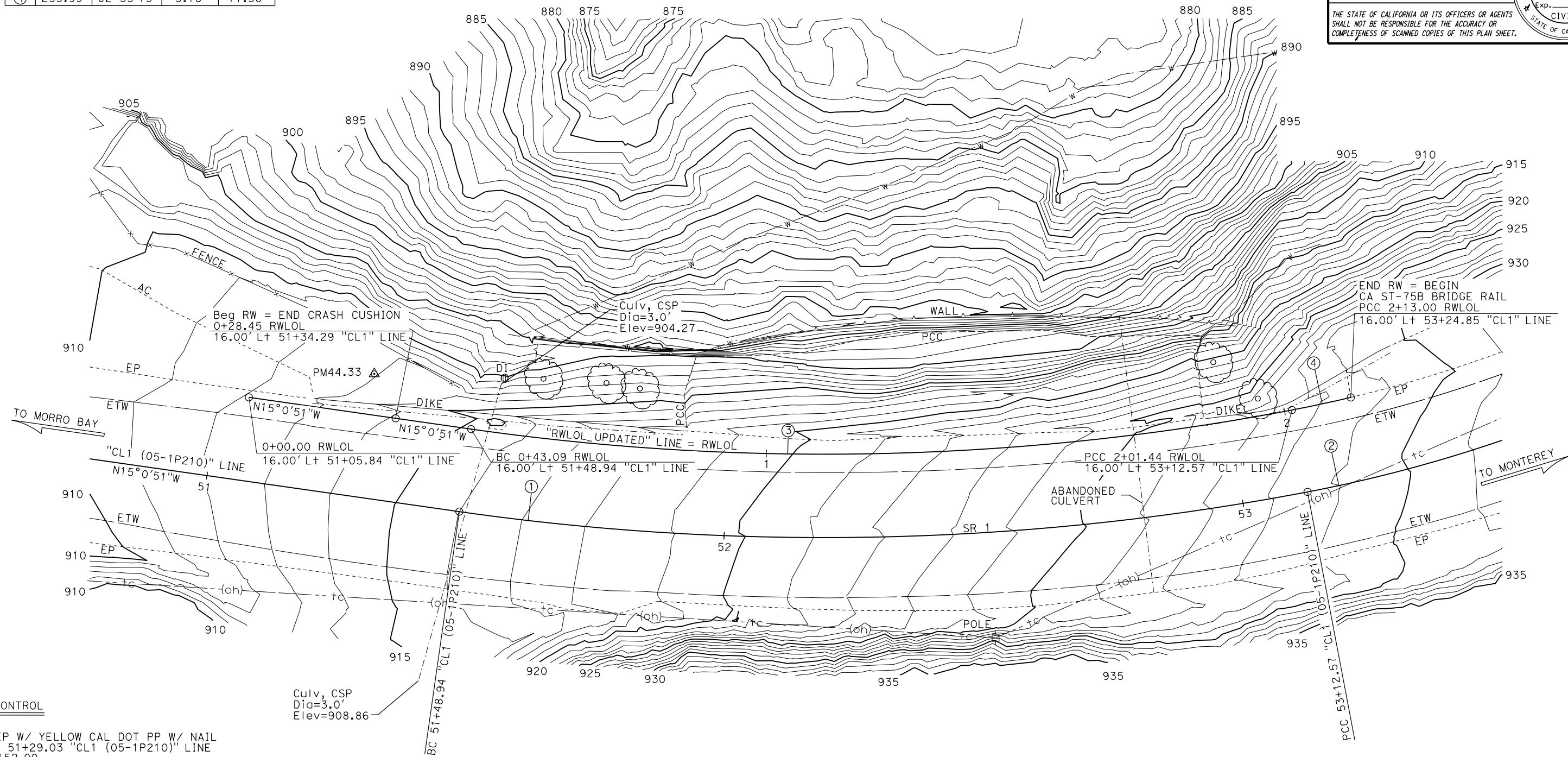
CURVE DATA				
No.	R	Δ	T	L
①	495.63'	18°54'56"	82.57'	163.63'
②	271.99'	18°36'57"	44.58'	88.37'
③	479.63'	18°54'56"	79.90'	158.35'
④	255.99'	02°35'15"	5.78'	11.56'

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

REGISTERED CIVIL ENGINEER DATE X

PLANS APPROVAL DATE

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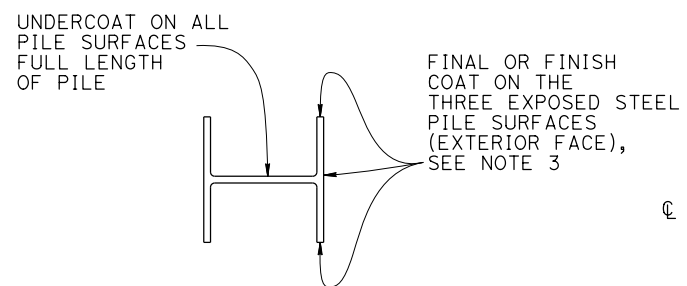
SURVEY CONTROL
 PM44.33
 Fnd 1" IP W/ YELLOW CAL DOT PP W/ NAIL
 23.87' Lt 51+29.03 "CL1 (05-1P210)" LINE
 N 1,977,152.00
 E 5,746,938.58
 Elev = 913.15

PM44.45 (NOT SHOWN ON PLAN)
 Fnd 1" IP W/ RED CALTRANS CONTROL PP W/ NAIL
 20.23' Lt 54+49.70 "CL1 (05-1P210)" LINE
 N 1,977,401.17
 E 5,746,777.87
 Elev = 936.80

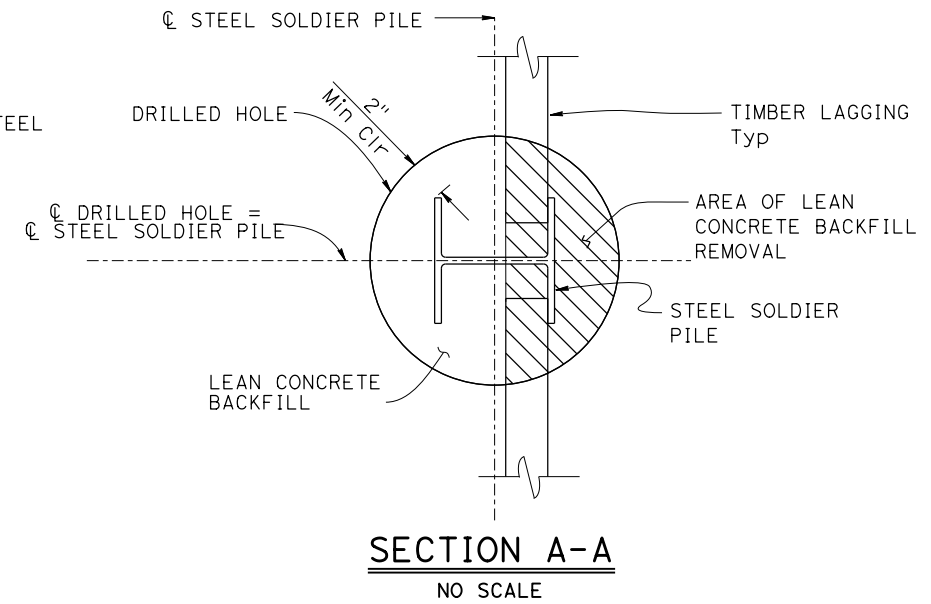
SURVEY MONUMENTS SHOWN ON THE FOUNDATION PLAN ARE FOR DESIGN PURPOSES ONLY.
 FOR COMPLETE LIST OF SURVEY MONUMENTS FOR THIS PROJECT, SEE ROADWAY PLANS.

PRELIMINARY INVESTIGATIONS BRANCH			DESIGN	By Carol Tang	CHECKED	Noah Habtezion	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 15	BRIDGE No.	44EOTBD	COASTLANDS II SPW FOUNDATION PLAN		
SCALE:	VERT. DATUM:	NAV88	DRAFTED	By S. Zheng	CHECKED	R. Coria			POST MILE	44.34			
1" = 10'	HORIZ. DATUM:	CCS83 (2010)	BY	E. Gonzalez	CHECKED	Noah Habtezion			COUNTY/ROUTE/ZONE:	Mon/001/4			
STRUCTURES FOUNDATION PLAN SHEET (ENGLISH) (REVISION 4/21/2021)			QUANTITIES	By Roberto Macias	CHECKED	Adrian Peralta	PROJECT NUMBER & PHASE:	05210001881	CONTRACT No.:	05-1P2104	REVISION DATES	SHEET	OF
			DATE PLOTTED =>	20-NOV-2024	TIME PLOTTED =>	16:46	ORIGINAL SCALE	IN INCHES FOR	DISREGARD PRINTS BEARING	EARLIER REVISION DATES	08/07/24	5	14

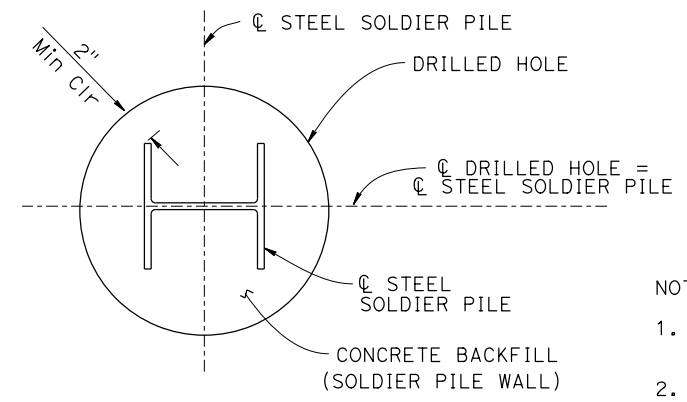
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			X	DATE	
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



CLEAN & PAINT STEEL SOLDIER PILE
NO SCALE



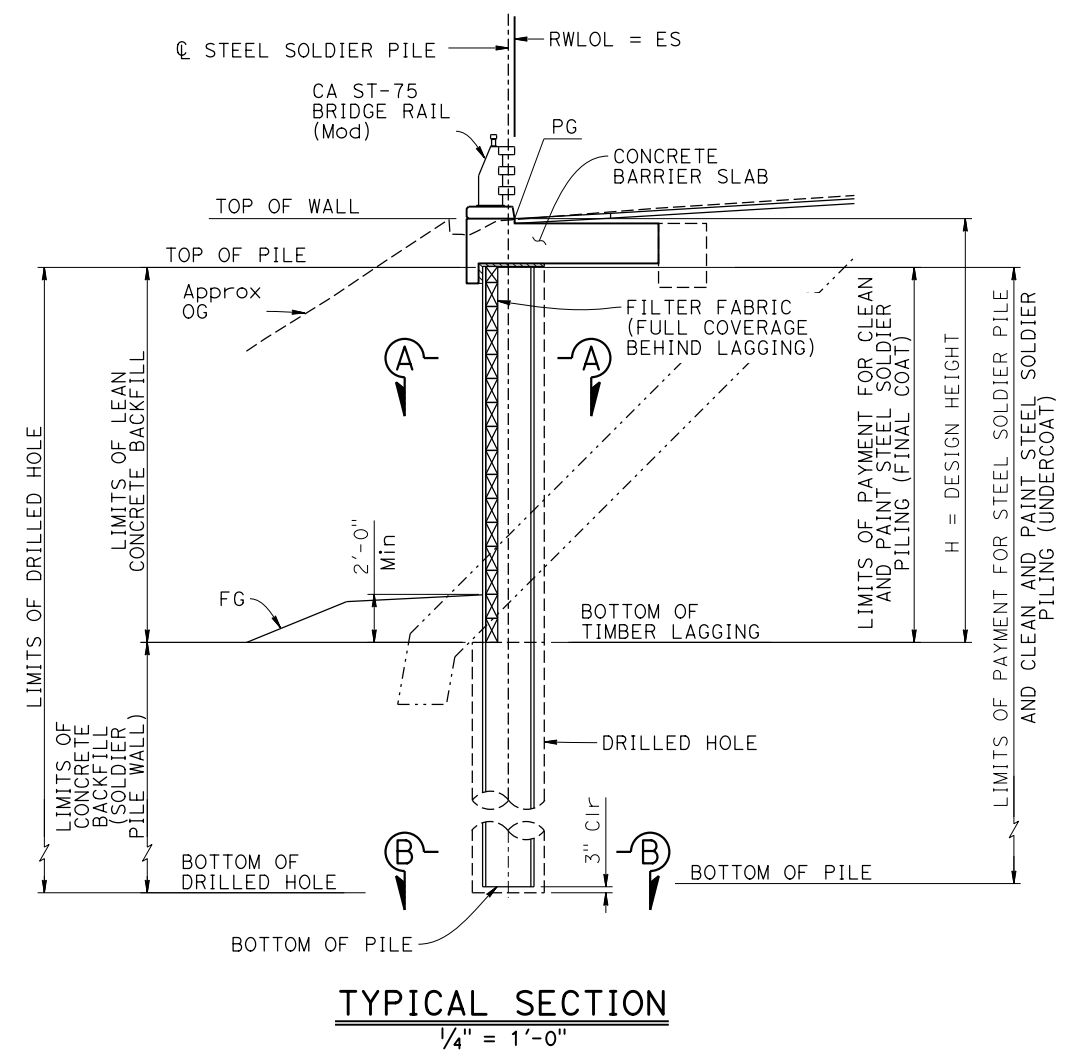
SECTION A-A
NO SCALE



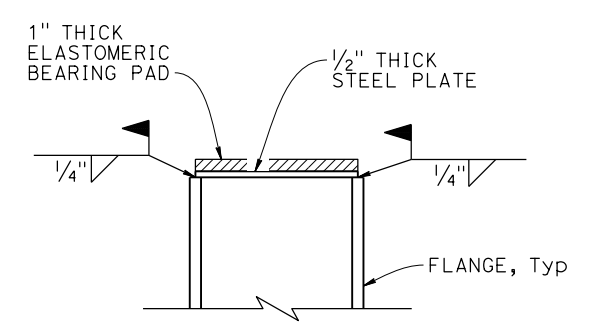
SECTION B-B
NO SCALE

NOTES:

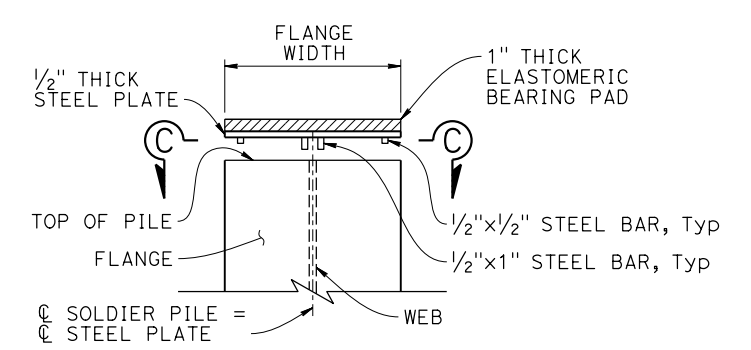
- Filter fabric must be placed against lagging before backfilling. Splices in fabric shall have a 1'-0" lap.
- Lean concrete must be removed only as necessary for placement of lagging.
- Clean and paint undercoat on all surfaces of steel pile. Paint final coat after installation of piles and removal 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.



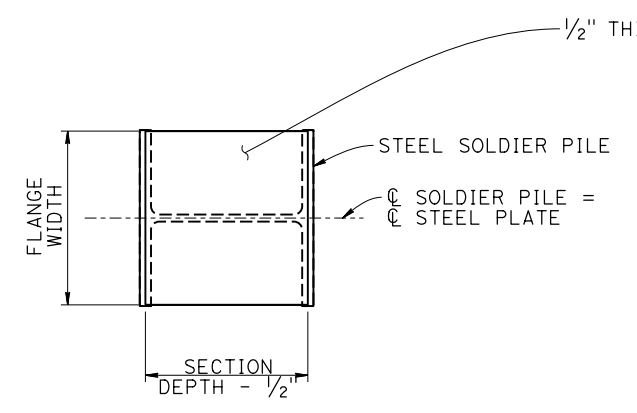
TYPICAL SECTION
1/4" = 1'-0"



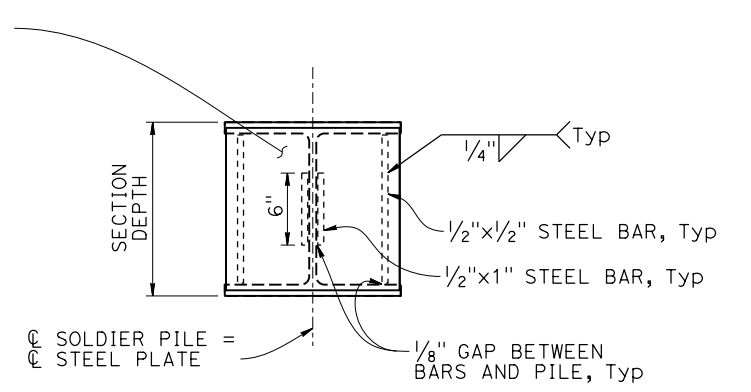
PART ELEVATION
PILE CAP DETAILS (ALTERNATIVE 1)
NO SCALE



PART ELEVATION
PILE CAP DETAILS (ALTERNATIVE 2)
NO SCALE



PART PLAN
NO SCALE

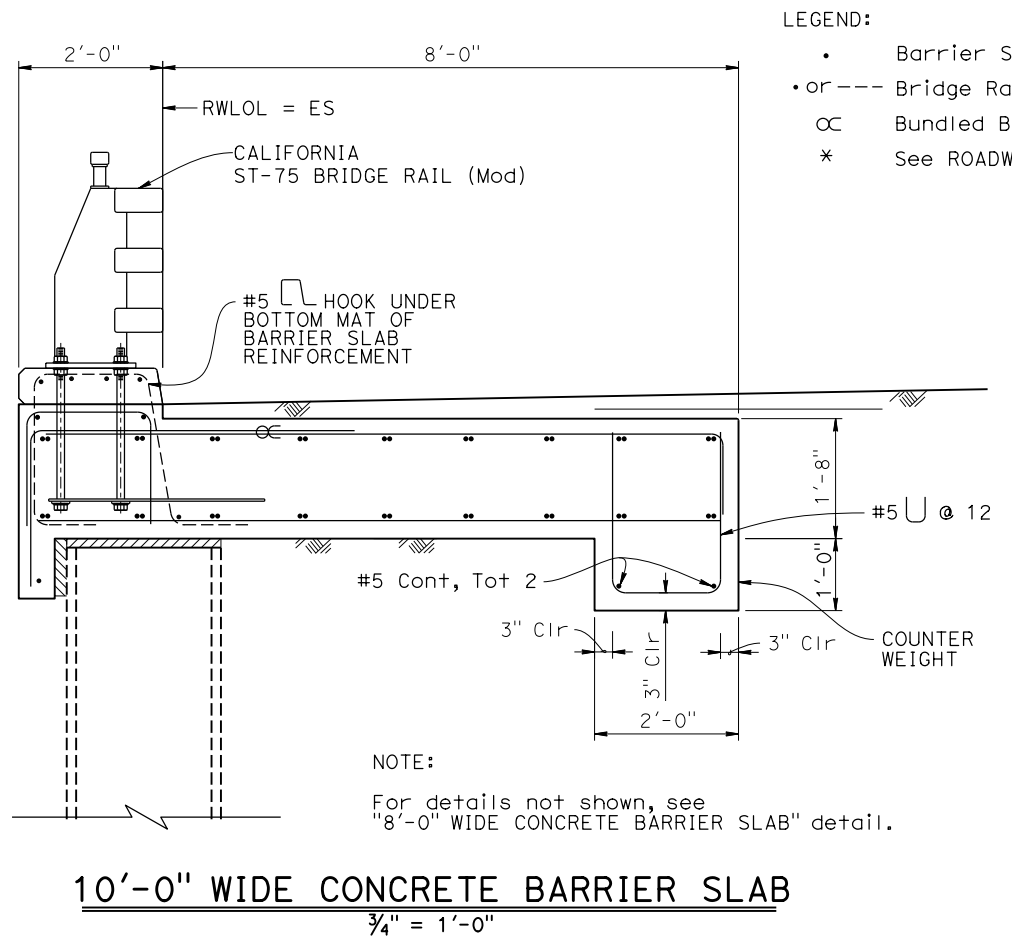
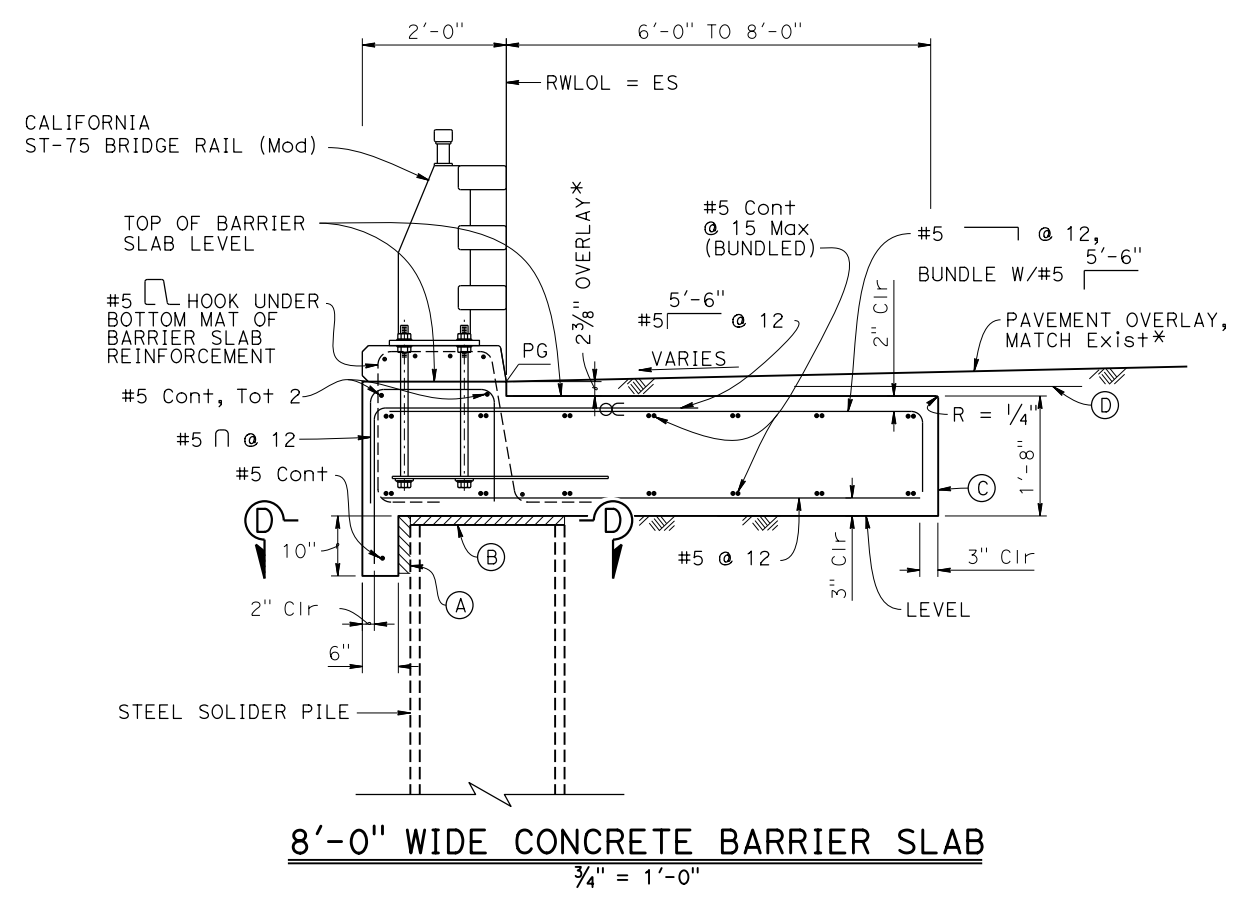


SECTION C-C
NO SCALE

NOTE:
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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 SOLDIER PILE WALL DETAILS						
	DETAILS BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			44E0029							
	QUANTITIES BY Roberto Macias	CHECKED Adrian Peralta			POST MILE 44.3							
DATE PLOTTED => 20-NOV-2024 TIME PLOTTED => 16:46 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	<table border="1"> <tr> <th>REVISION DATES</th> <th>SHEET</th> <th>OF</th> </tr> <tr> <td>08-20-24 08-28-24 10-16-24 11-12-24</td> <td>6</td> <td>14</td> </tr> </table>	REVISION DATES	SHEET	OF	08-20-24 08-28-24 10-16-24 11-12-24	6	14
REVISION DATES	SHEET	OF										
08-20-24 08-28-24 10-16-24 11-12-24	6	14										

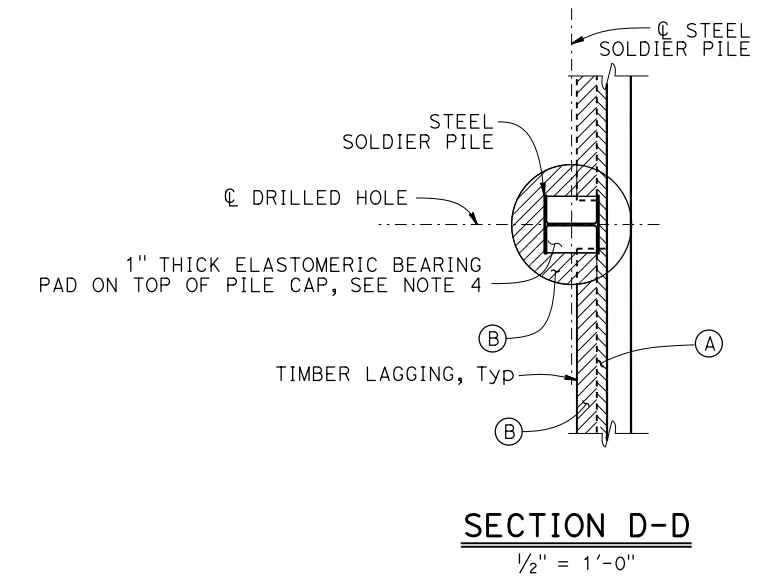
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				X	
REGISTERED CIVIL ENGINEER				DATE	
				NOAH HABTEZION	
				No. 91388	
				Exp. 06-30-26	
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



- LEGEND:
- Barrier Slab Reinforcement
 - or --- Bridge Rail Reinforcement
 - OC Bundled Bars
 - * See ROADWAY PLANS

- NOTES:
1. Barrier Slab Level
 2. For bridge rail reinforcement, see "CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 1" Sheet.
 3. No expansion joints in barrier slab within wall limits.
 4. Elastomeric bearing pad should be the same size as steel plate. See "PILE CAP DETAILS" on "SOLDIER PILE WALL DETAILS" sheet.
 5. Place galvanized steel plate level between 1" elastomeric bearing pad and pile.
- (A) 2" Min Expanded Polystyrene
(B) 1.5" Expanded Polystyrene
(C) Contact Joint
(D) 4'-0" wide pavement reinforcing fabric

NOTE:
For details not shown, see "8'-0" WIDE CONCRETE BARRIER SLAB" detail.



NOTE:
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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 CONCRETE BARRIER SLAB DETAILS No. 1	
	DETAILS BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			44E0029		
	QUANTITIES BY Roberto Macias	CHECKED Adrian Peralta			44.3		
DATE PLOTTED => 20-NOV-2024 TIME PLOTTED => 16:46 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT: 3604	COUNTY/ROUTE/ZONE: Mon/001/4	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 7 OF 14
FILE => 05-1p210-r-cbsd+01.dgn USERNAME => s150745			PROJECT NUMBER & PHASE: 05210001881		CONTRACT No.: 05-1P2104		08-29-24 10-16-24 11-18-24

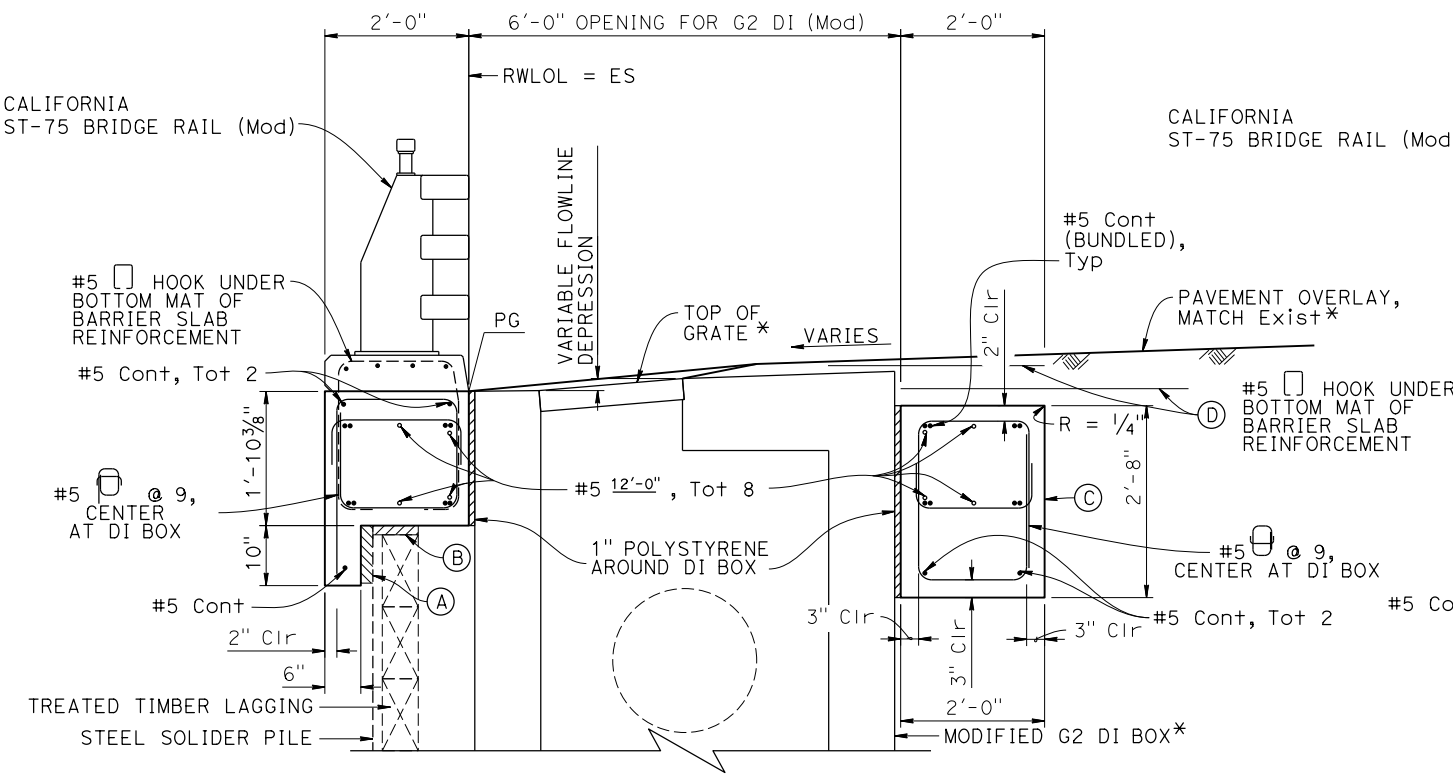
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				X	

REGISTERED CIVIL ENGINEER	DATE
Noah Habtezion	
No. 91388	
Exp. 06-30-26	
CIVIL	

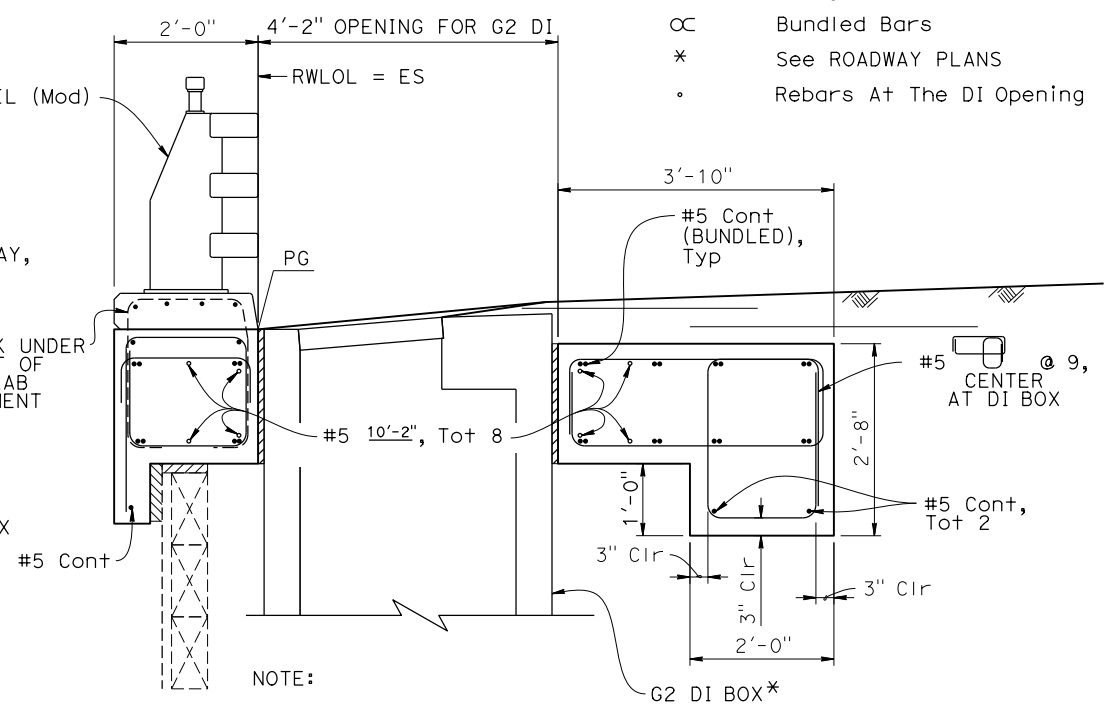
PLANS APPROVAL DATE

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- LEGEND:
- Barrier Slab Reinforcement
 - or --- Bridge Rail Reinforcement
 - ⊕ Bundled Bars
 - * See ROADWAY PLANS
 - Rebars At The DI Opening

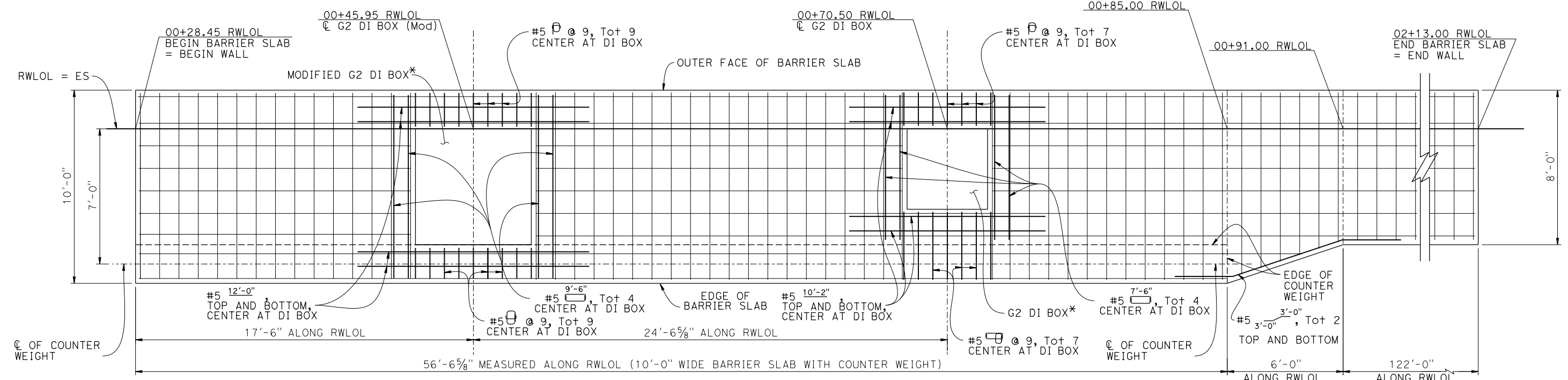


10'-0" WIDE CONCRETE BARRIER SLAB WITH MODIFIED G2 DI OPENING
 $\frac{3}{4}" = 1'-0"$



10'-0" WIDE CONCRETE BARRIER SLAB WITH STANDARD G2 DI OPENING
 $\frac{3}{4}" = 1'-0"$

- 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



DEVELOPED PLAN VIEW OF BARRIER SLAB REINFORCEMENT
 $\frac{3}{8}" = 1'-0"$

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

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 CONCRETE BARRIER SLAB DETAILS No. 2	
	DETAILS BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			44E0029		
	QUANTITIES BY Roberto Macias	CHECKED Adrian Peralta			44.3		
DATE PLOTTED => 20-NOV-2024 TIME PLOTTED => 16:46 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 8 OF 14

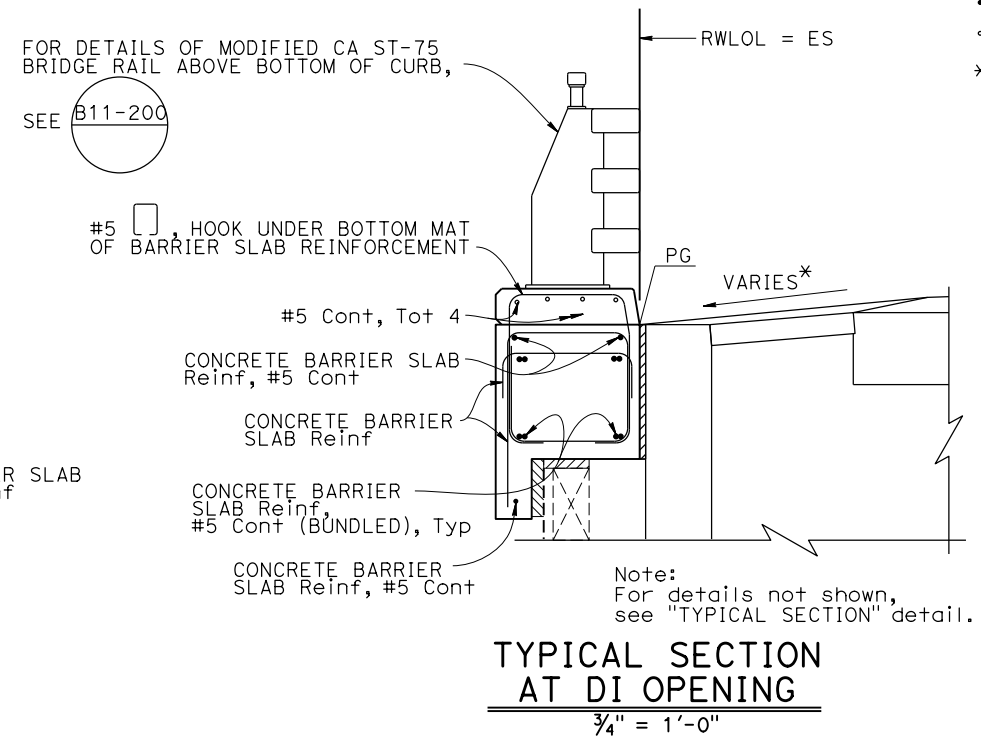
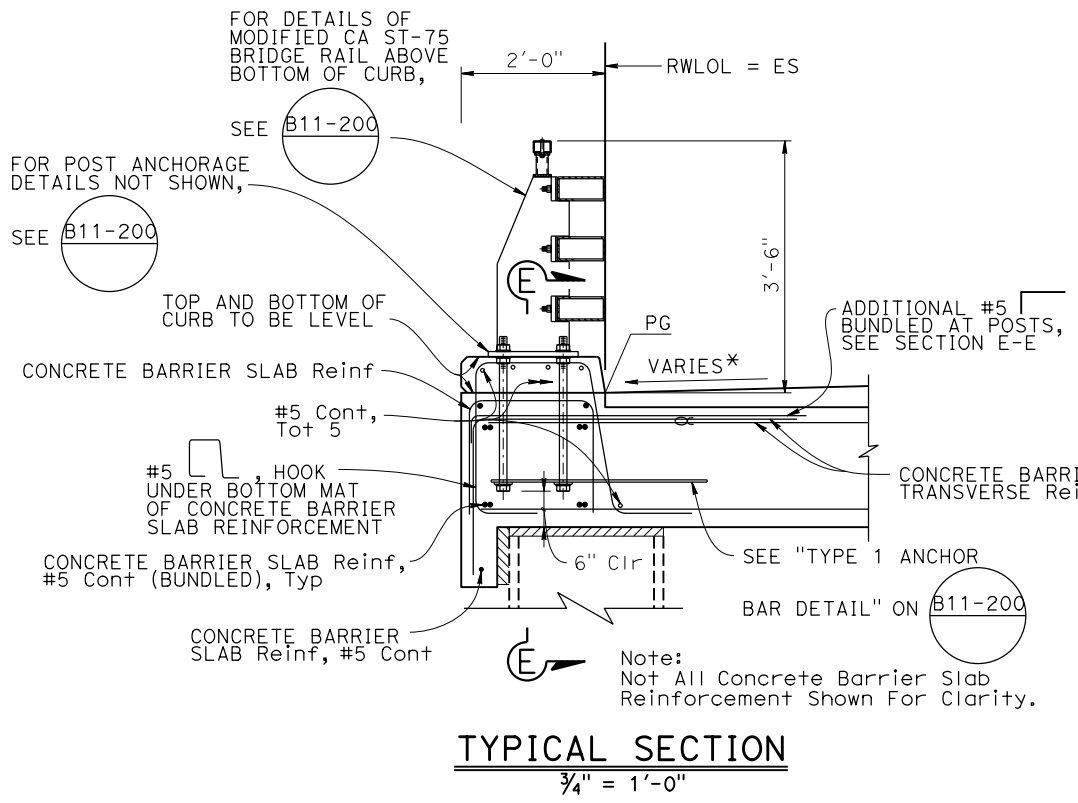
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER	X	DATE
Noah Habtezion		
No. 91388		
Exp. 06-30-26		
CIVIL		

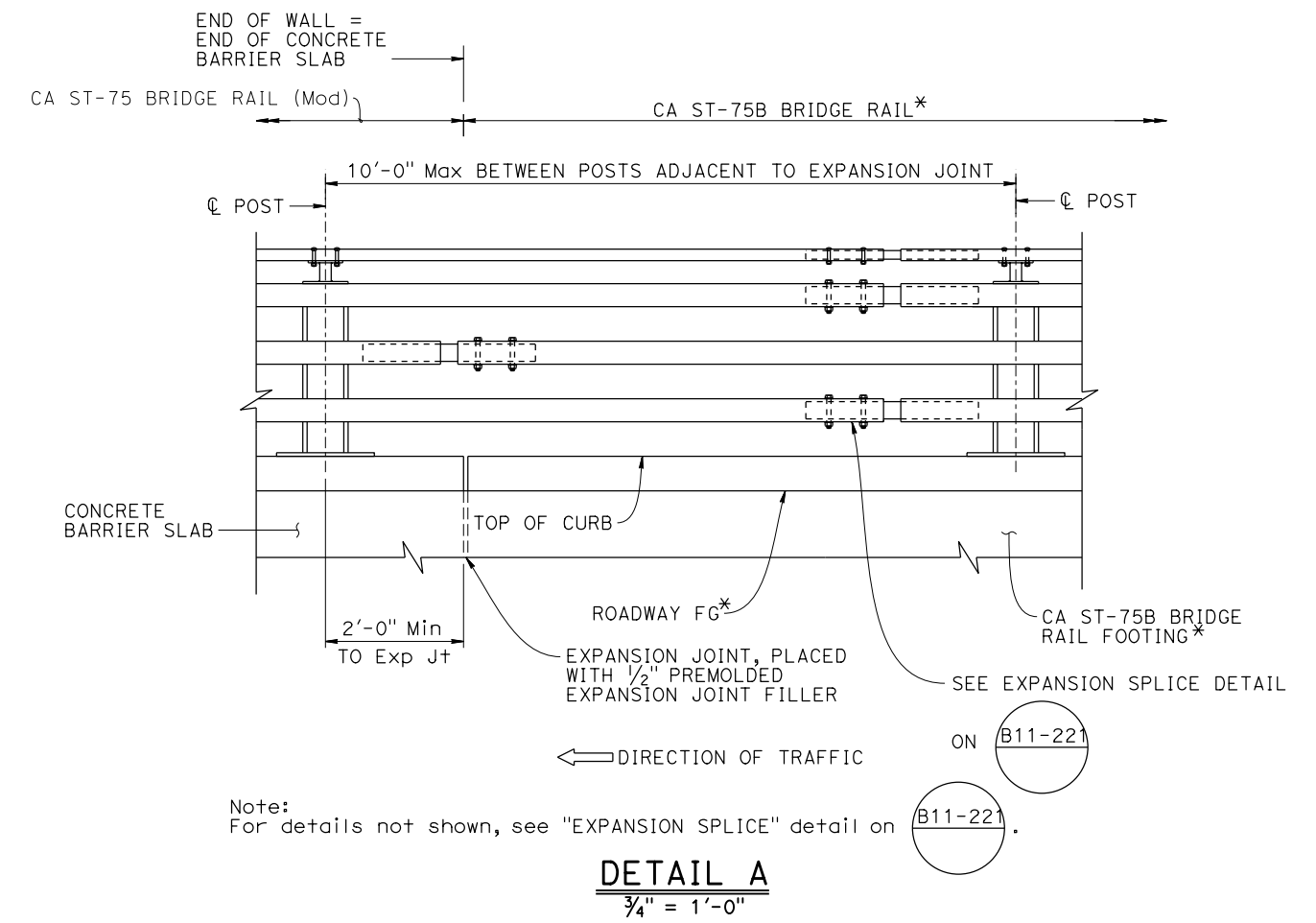
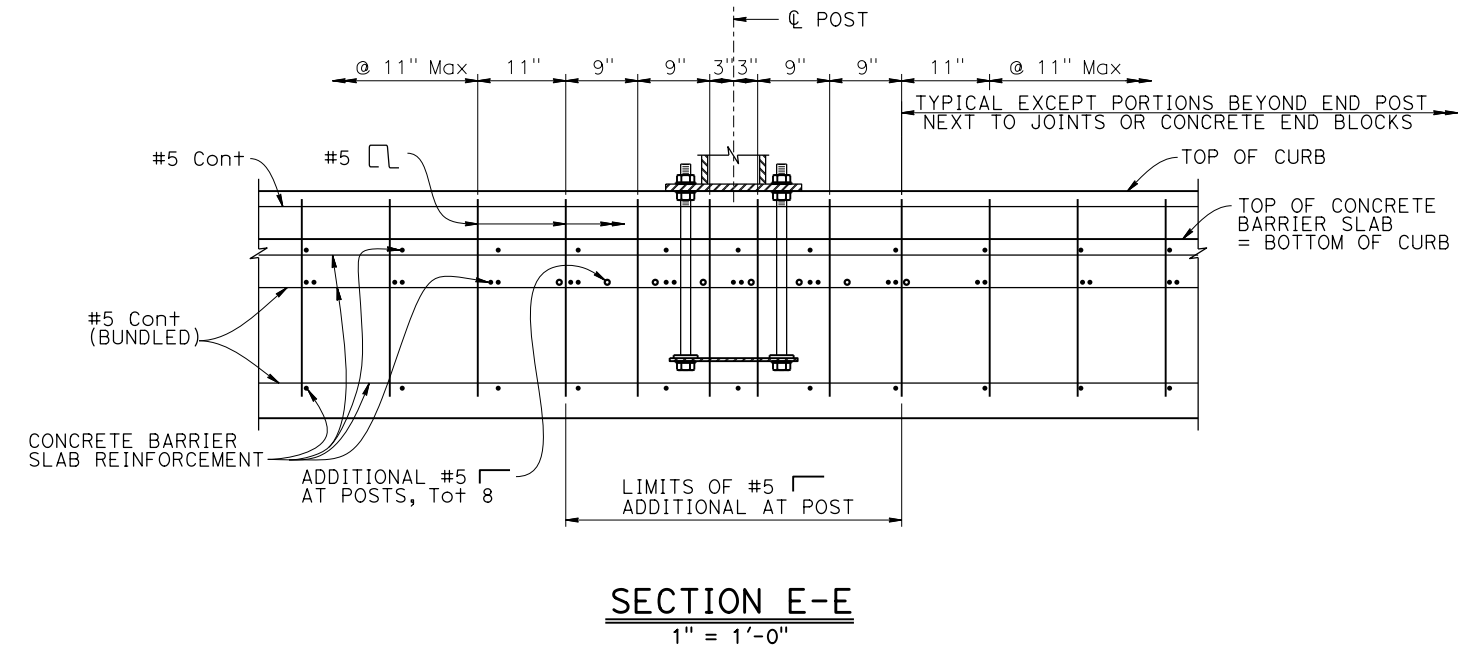
PLANS APPROVAL DATE _____

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.

- LEGEND:
- Barrier Slab Reinforcement
 - Bridge Rail Reinforcement
 - * See ROADWAY PLANS



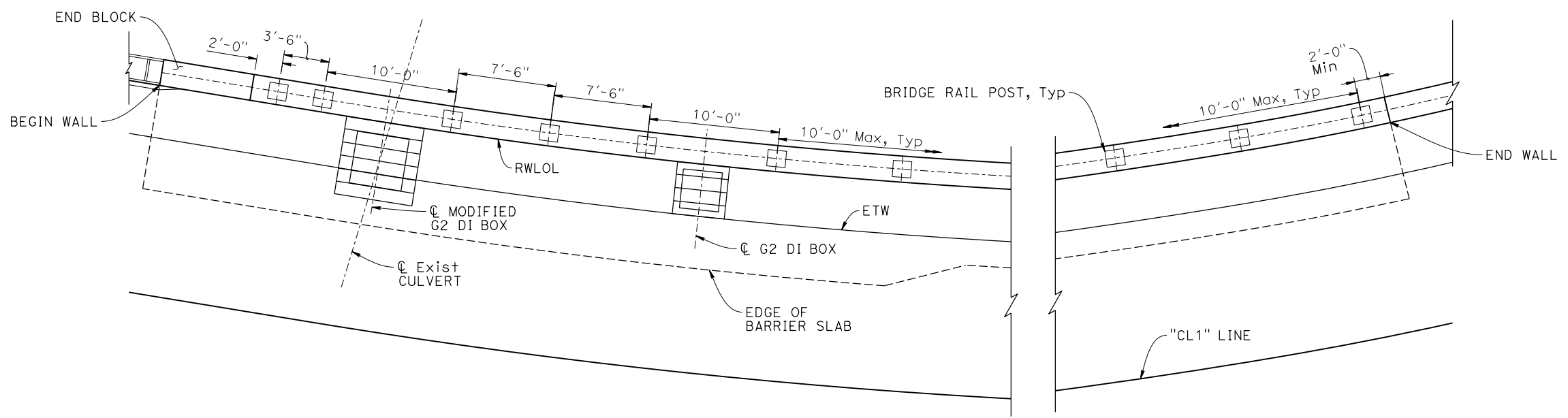
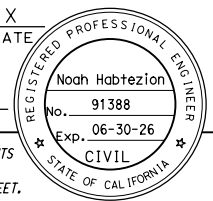
- NOTES:
- For California ST-75 Bridge Rail (Mod) details not shown, see B11-200, B11-201, B11-202, B11-221, B11-222.
 - For concrete barrier slab reinforcement and dimensions not shown, see plan sheets "CONCRETE BARRIER SLAB DETAILS No. 1" and "CONCRETE BARRIER SLAB DETAILS No. 2".
 - No bridge rail 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	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 15	BRIDGE No.	COASTLANDS II RETAINING WALL CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 1			
DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			44E0029				
QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta			44.3				
DATE PLOTTED => 20-NOV-2024 TIME PLOTTED => 16:46 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	REVISION DATES	SHEET 9 OF 14

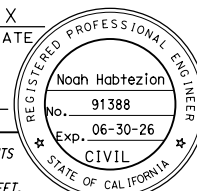
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



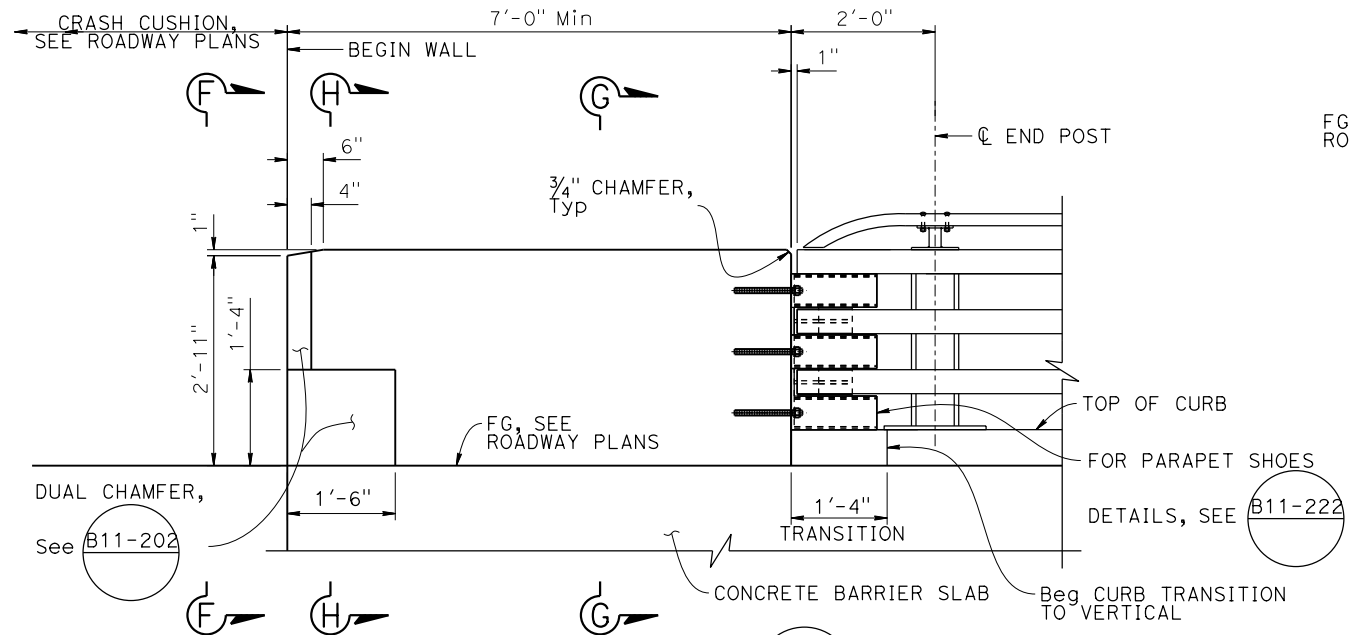
BRIDGE RAIL POST LAYOUT
1" = 5'

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 CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED) DETAILS No. 2	
	DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			44E0029		
	QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta			44.3		
DATE PLOTTED => 20-NOV-2024	TIME PLOTTED => 16:46	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3604	COUNTY/ROUTE/ZONE: Mon/001/4	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 10-16-24 11-19-24	SHEET 10 OF 14
FILE => 05-1p210-s-ca-s+75_02.dgn	USERNAME => s150745			PROJECT NUMBER & PHASE: 05210001881	CONTRACT No.: 05-1P2104			

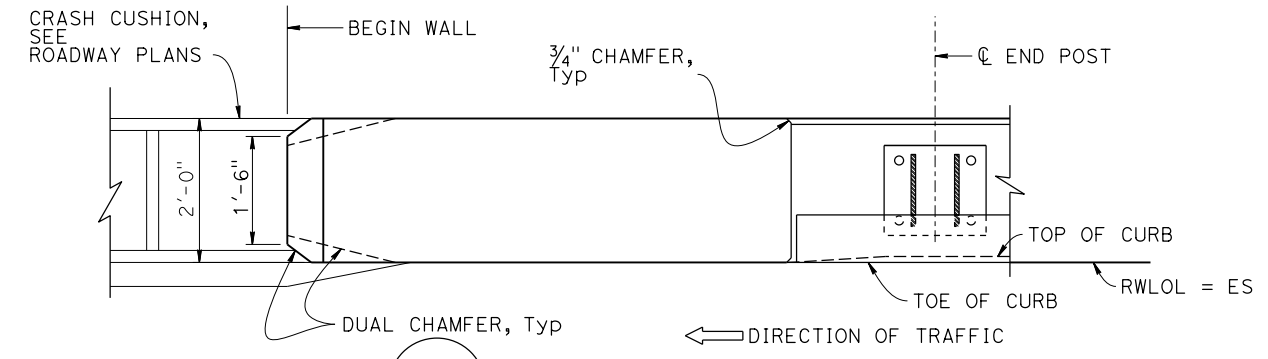
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				X	
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

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



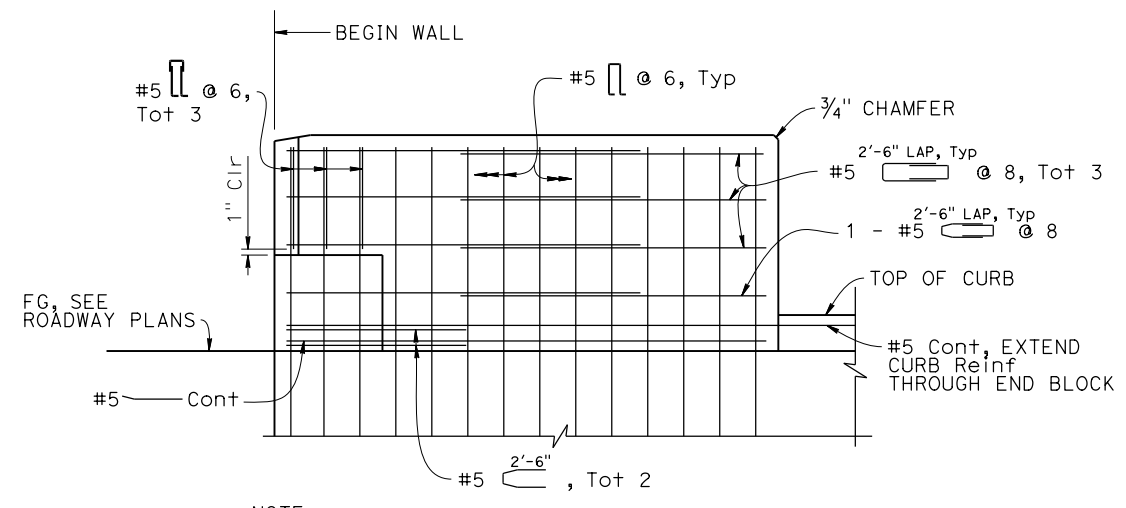
TRANSITION END BLOCK ELEVATION
3/4" = 1'-0"

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



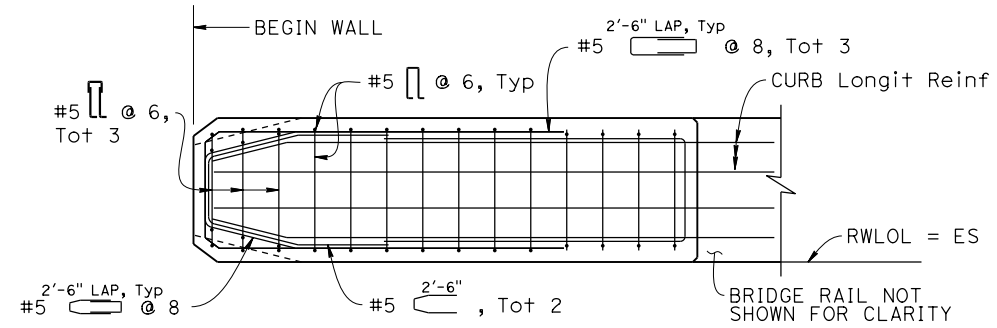
TRANSITION END BLOCK PLAN
3/4" = 1'-0"

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



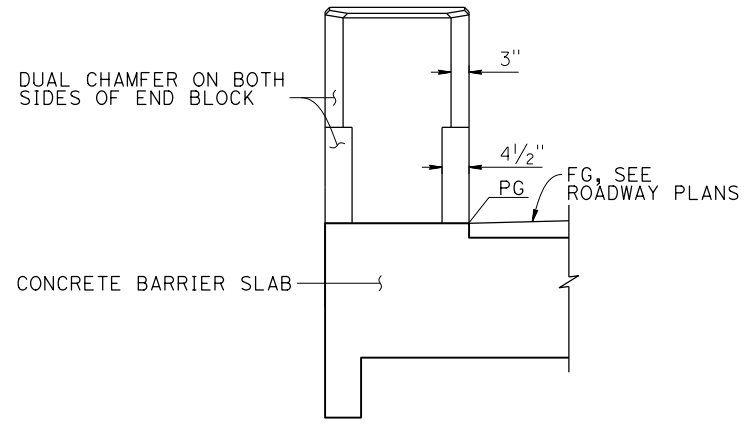
NOTE:
Not all reinforcement shown for clarity.

REINFORCEMENT ELEVATION
3/4" = 1'-0"

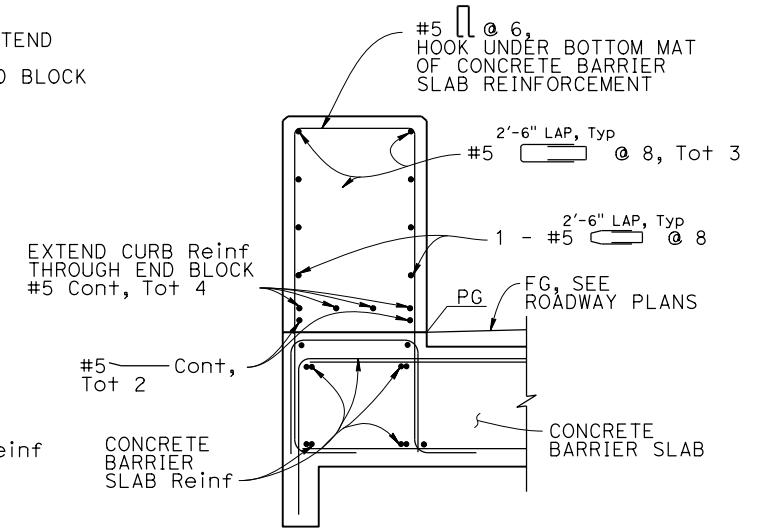


NOTE:
Not all reinforcement shown for clarity.

REINFORCEMENT PLAN
3/4" = 1'-0"

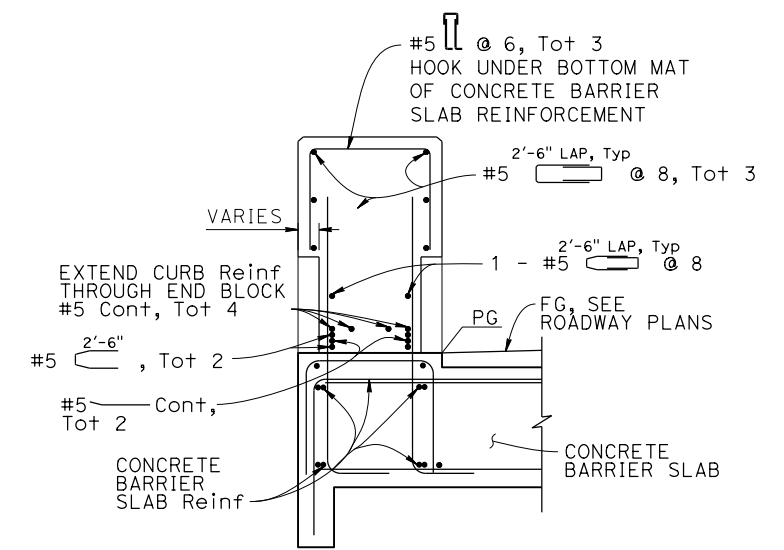


VIEW F-F
3/8" = 1'-0"



NOTE:
Not all reinforcement shown for clarity.

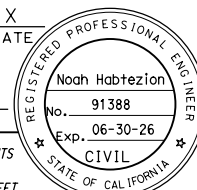
SECTION G-G
3/4" = 1'-0"

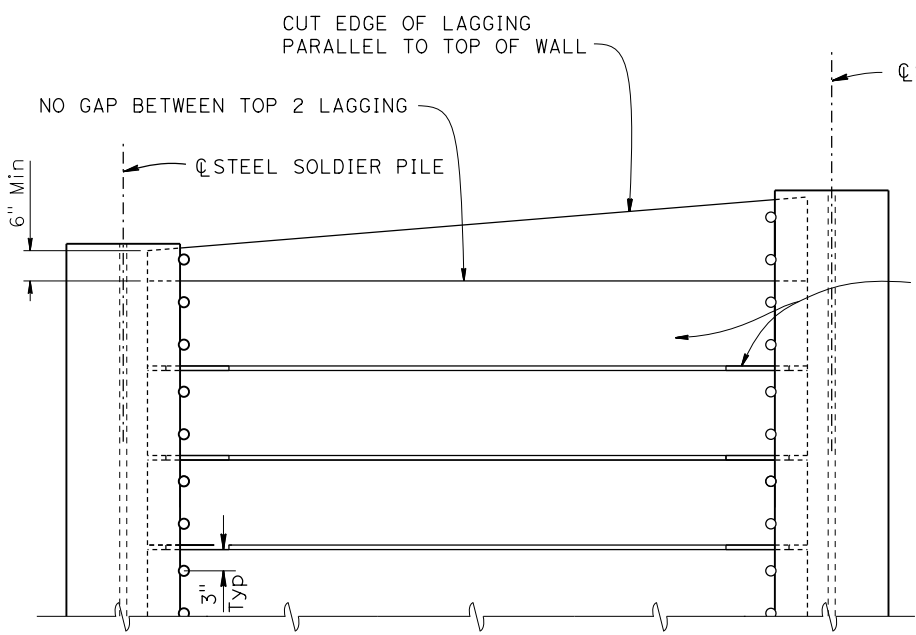


NOTE:
Not all reinforcement shown for clarity.

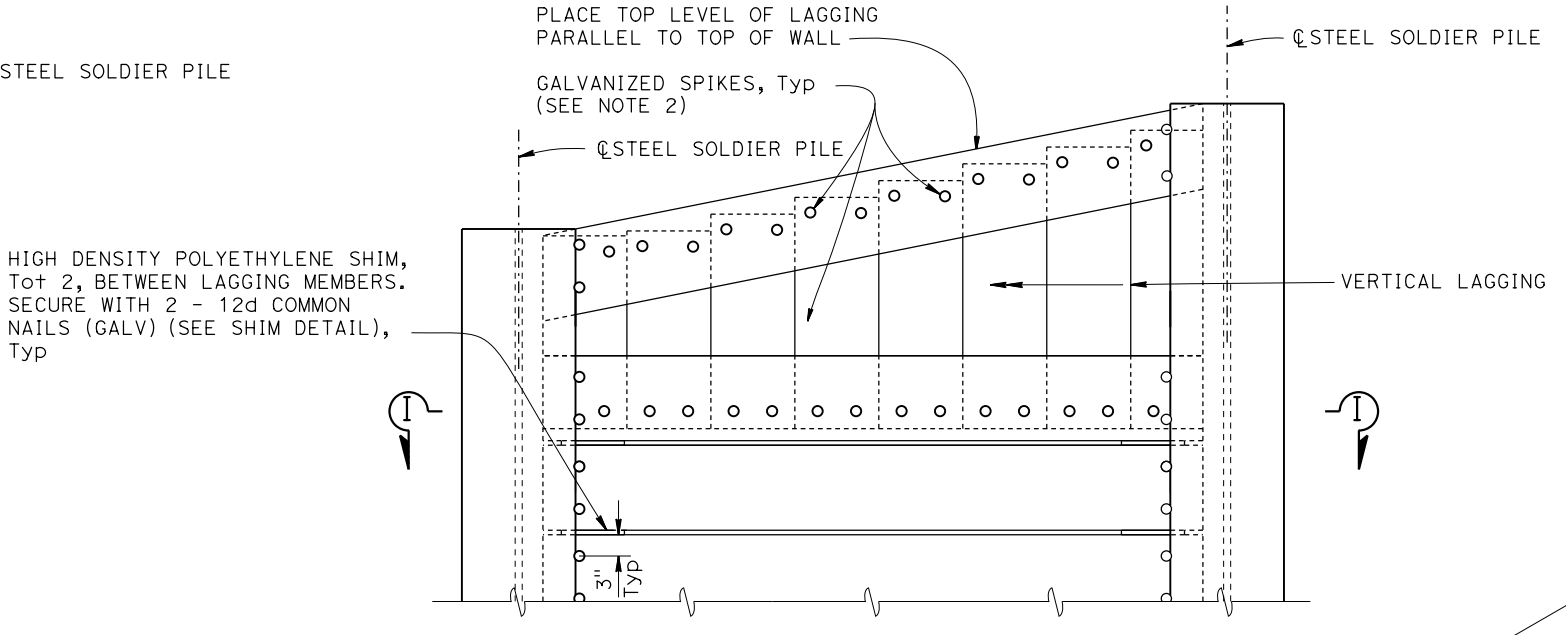
SECTION H-H
3/4" = 1'-0"

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.	44E0029	COASTLANDS II RETAINING WALL TRANSITION END BLOCK DETAILS				
	DETAILS	BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			POST MILE	44.3					
	QUANTITIES	BY Roberto Macias	CHECKED Adrian Peralta									
DATE PLOTTED => 20-NOV-2024		TIME PLOTTED => 16:46		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3604		COUNTY/ROUTE/ZONE: Mon/001/4	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
FILE => 05-1p210-s-trendbl.dgn		USERNAME => s150745		PROJECT NUMBER & PHASE: 05210001881		CONTRACT No.: 05-1P2104		08-29-21			11	14

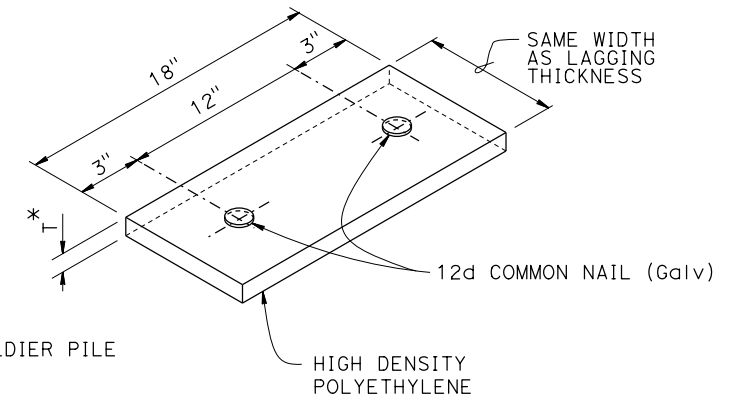
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				X	
REGISTERED CIVIL ENGINEER				DATE	
PLANS APPROVAL DATE					
					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



PART ELEVATION
LAGGING DETAILS (ALTERNATIVE 1)
 NO SCALE

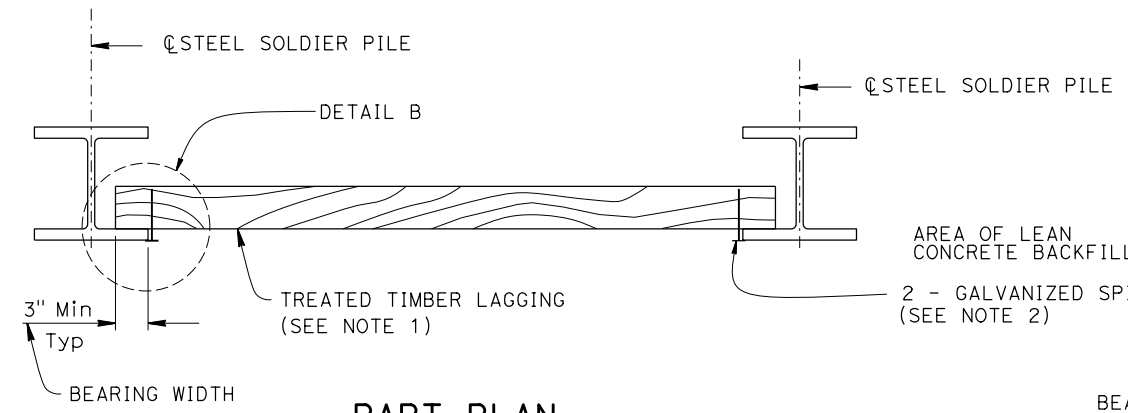


PART ELEVATION
LAGGING DETAILS (ALTERNATIVE 2)
 NO SCALE

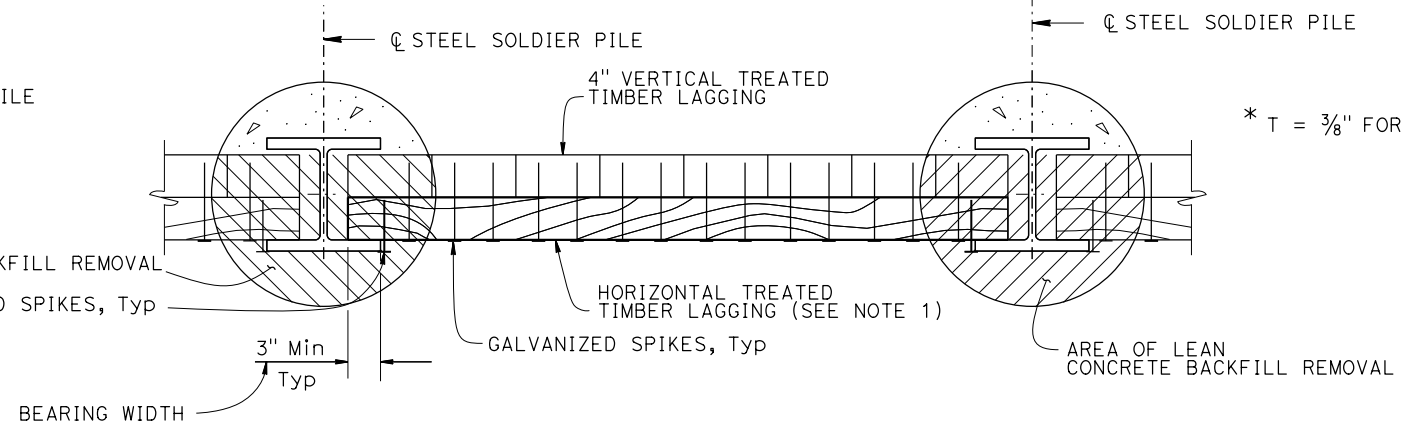


SHIM DETAIL
 NO SCALE

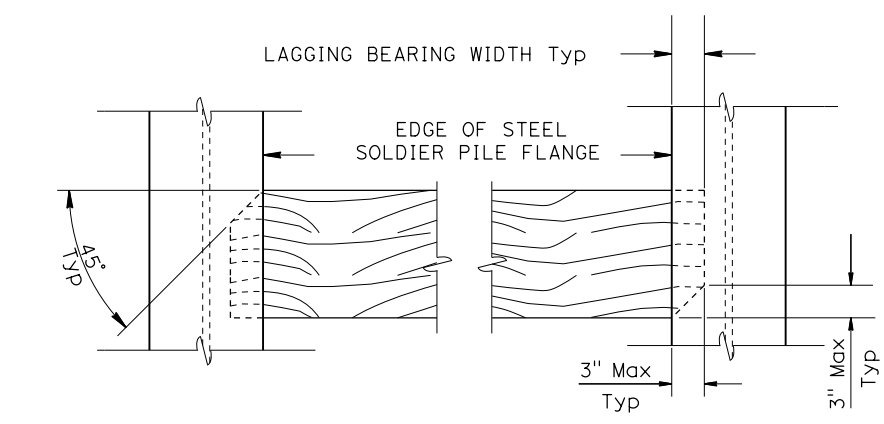
* T = 3/8" FOR 4 X 12 LAGGING AND 1/2" FOR 6 X 12 LAGGING



PART PLAN
 NO SCALE

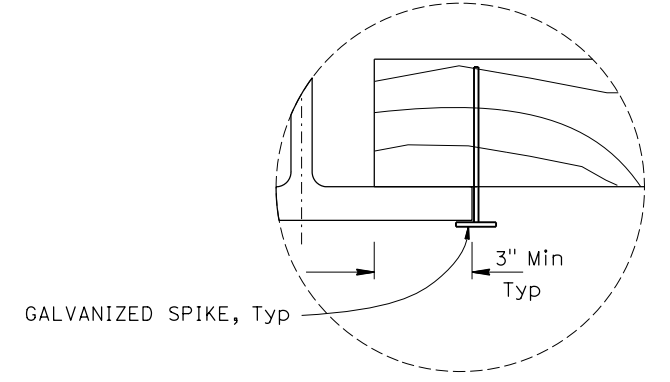


SECTION I-I
 NO SCALE



LAGGING CORNERS TRIM DETAIL
 NO SCALE

- NOTES:
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.



DETAIL B
 NO SCALE

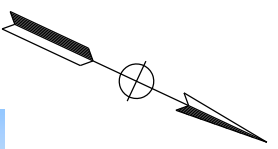
DESIGN	BY Carol Tang	CHECKED Noah Habtezion	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 15	BRIDGE No.	COASTLANDS II RETAINING WALL		
	DETAILS BY Ecaterina Poleanscaia	CHECKED Noah Habtezion			44E0029		SOLDIER PILE WALL LAGGING DETAILS	
	QUANTITIES BY Roberto Macias	CHECKED Adrian Peralta			POST MILE 44.3			
DATE PLOTTED => 20-NOV-2024 TIME PLOTTED => 16:46 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT: 3604	COUNTY/ROUTE/ZONE: Mon/001/4	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 12	OF 14

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

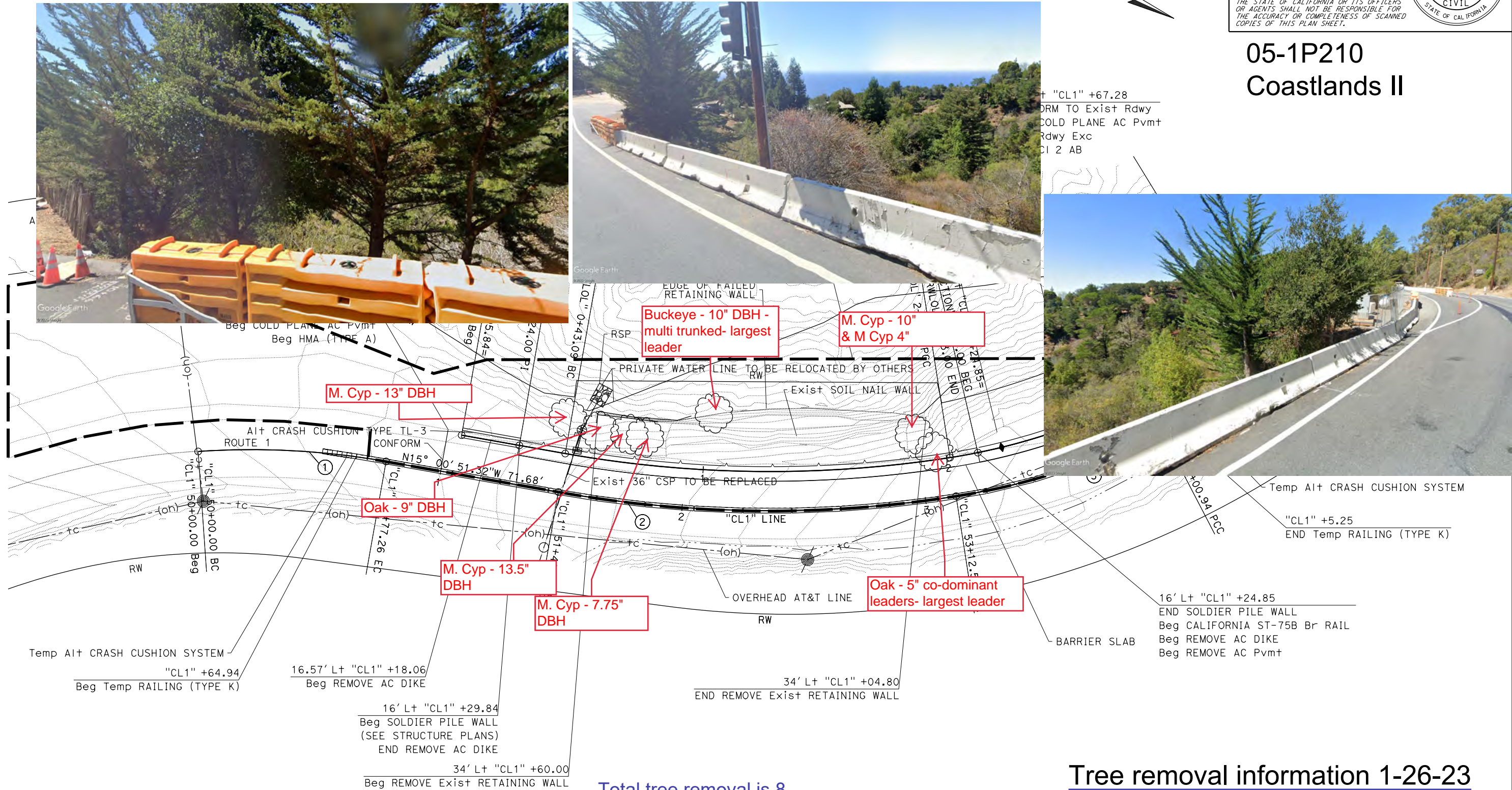
REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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

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



05-1P210 Coastlands II



Total tree removal is 8
 5 – Monterey Cypress (DBH's: 4", 7.75", 10", 13", 13.5")
 2 – Coast Live Oak (DBH's: 5", 9")
 1 – Buckeye (DBH: 10")

Tree removal information 1-26-23

PRELIMINARY LAYOUT

SCALE: 1" = 20' L-1

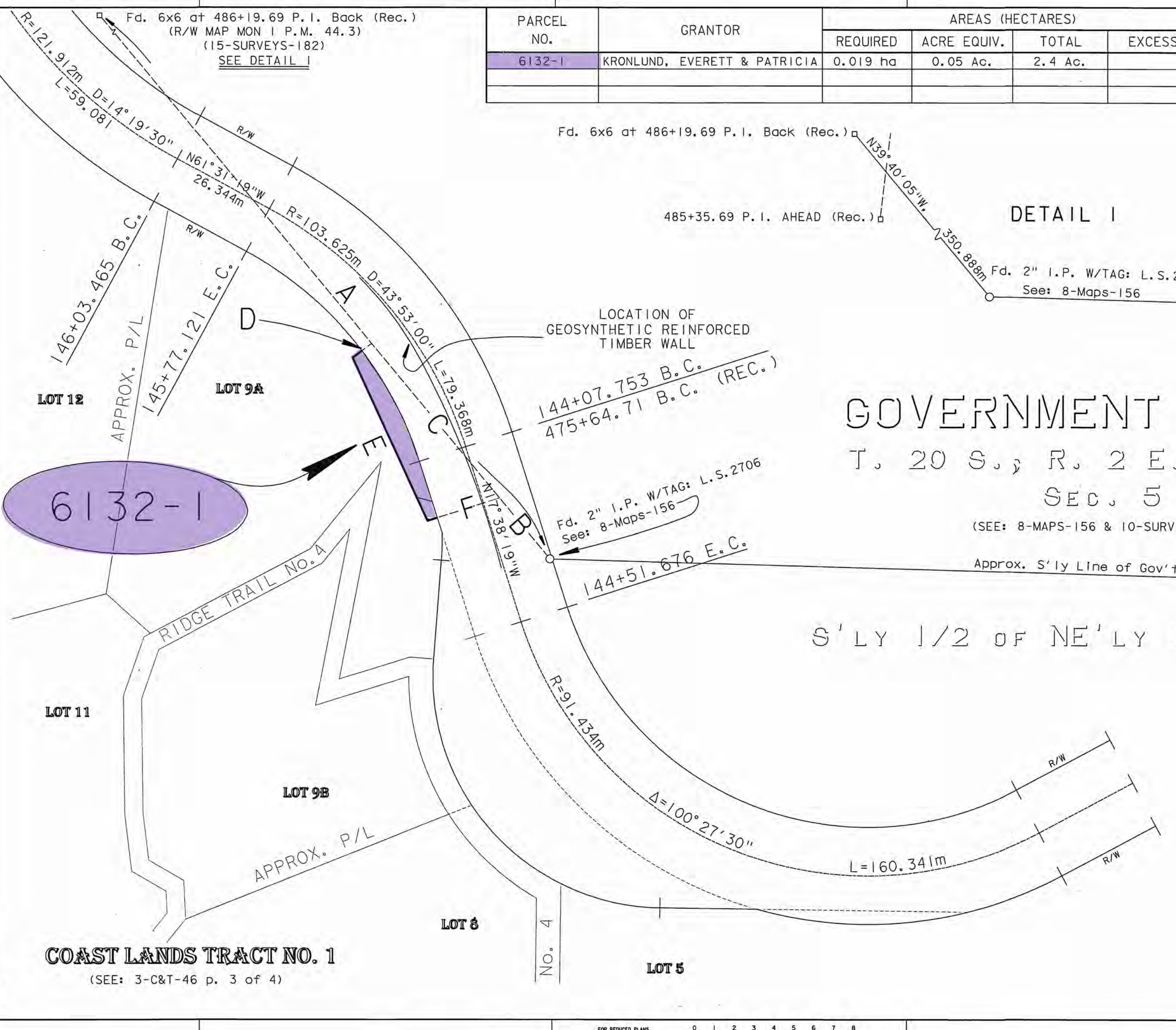
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Et-Catrans®
 FUNCTIONAL SUPERVISOR: SCOTT MORRIS
 CALCULATED/DESIGNED BY: ALEX KERSHNER
 CHECKED BY: ALEX KERSHNER
 REVISED BY: ALEX KERSHNER
 DATE REVISED:

REV	CK	DATE	REVISIONS	REV	CK	DATE	REVISIONS
		8/7/01	Initial Copy				

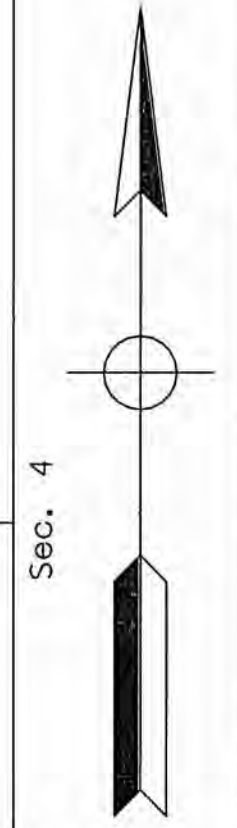
PARCEL NO.	GRANTOR	AREAS (HECTARES)				RECORDATION			REMARKS
		REQUIRED	ACRE EQUIV.	TOTAL	EXCESS	INSTR	DATE	O. R.	
6132-1	KRONLUND, EVERETT & PATRICIA	0.019 ha	0.05 Ac.	2.4 Ac.		Ease. Deed	Feb. 04, 2000	2000-007633	HWY EASEMENT

COURSE LEGEND:

- 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)



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.

0 25 1:500 SCALE 50 75
 0 50 100 150 200 250
 1" = 41.67'

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

SOURCE: 05 CHARGE: 05 E. A. 398509

FOR REDUCED PLANS
 ORIGINAL SCALE IS IN CM

0 1 2 3 4 5 6 7 8