



# Request for Proposals

## for Design and Engineering Services for the Yerba Buena Island Multi-Use Path Project

Date Issued	Proposals Due	Expected Duration	Budget	DBE Goal	Contact
June 18, 2024	July 19, 2024, at 2:00 p.m. (electronically)	Two years	Up to \$5,500,000	22%	Ron Leong Management Analyst 415.522.4817 <a href="mailto:ronald.leong@sfcta.org">ronald.leong@sfcta.org</a>

### SECTION I - NOTICE

Notice is hereby given that the San Francisco County Transportation Authority (Transportation Authority) is requesting proposals from qualified proposers to assist in design and engineering services to produce all necessary documents, services, permits, and approvals to successfully complete project design, engineering and right-of-way approval for the Yerba Buena Island (YBI) Multi-Use Path Project.

**Pre-Proposal Conference.** A pre-proposal conference will be held on June 26, 2024 at 10:00 a.m. via conference call. Although attendance at the pre-proposal conference is not mandatory, the Transportation Authority encourages all prospective proposers and prospective subconsultants to attend this conference. See the schedule in Section II for the conference date and time. Attendees are requested to confirm attendance by completing the online registration form at Zoom Registration [here](#) by 5:00 p.m. on June 24.

**Questions.** Questions may be submitted in writing by the stated deadline by e-mail to [info@sfcta.org](mailto:info@sfcta.org); please include "RFP 23/24-11 - YBI Multi-Use Path Project" in the subject line. The Transportation Authority's responses will be posted to [www.sfcta.org/contracting](http://www.sfcta.org/contracting) by the date indicated in the schedule, and any addenda to the RFP will also be made available on that webpage prior to the proposal due date. Please see Section II for all important dates and deadlines.

### SECTION II - SELECTION PROCESS SCHEDULE

Date	Phase/Item Due
June 18, 2024	Release of RFP



June 24, 2024	Pre-proposal conference attendee requested to submit registration: Zoom Registration
June 26, 2024, at 10:00 AM*	Pre-Proposal Conference
June 28, 2024, 5:00 p.m.	Proposers to submit written questions to Transportation Authority
July 8, 2024*	Transportation Authority issues written responses to questions
<b>July 19, 2024, 2:00 p.m.</b>	Responses to RFP due electronically. Late submissions will not be accepted.
July 26, 2024*	Invitation(s) to interview issued to short list of proposers*(if necessary)
Week of August 5, 2024*	Interviews * (scheduled if necessary)
September 4, 2024*	The selection committee’s recommendation to Community Advisory Committee for award
September 10, 2024*	Recommendation to Transportation Authority Board for award
September 24, 2024*	Transportation Authority Board awards contract

\* Subject to change

### **SECTION III - PROJECT BACKGROUND**

The 2.2-mile path along the eastern span of the San Francisco Oakland Bay Bridge (SFOBB) allows bicyclists and pedestrians to access the YBI Bike Landing/Vista Point from the City of Emeryville. In 2022, the Treasure Island Development Authority (TIDA), in coordination with the Water Emergency Transportation Authority, began ferry service at the new Ferry Terminal on Treasure Island. The Transportation Authority seeks to develop a safe and accessible bicycle and pedestrian connection between the current YBI Bike Landing/Vista Point and the new ferry terminal via Treasure Island Road and Hillcrest Road. These facilities will be Class 1 multiuse pathways, which must be coordinated with proposed improvements on the islands including Bay Bridge West Span Bay Skyway Project, West Side Bridges Project, and Hillcrest Road Improvement Project, and Treasure Island Ferry Terminal Project. This project will ultimately enable bicycle/pedestrian commuters and recreational users the opportunity to travel between the East Bay and San Francisco, and will also allow Treasure Island residents, employees, ferry passengers, and recreational travelers continuous access between Treasure Island and the SFOBB East and West spans. More details regarding a potential SFOBB West Span Path are available [here](#) on the Metropolitan Transportation Commission (MTC’s) website.

The YBI Multi-Use Path (Project) will connect the existing Bay Bridge East Span YBI bike landing to Treasure Island via Hillcrest Road and Treasure Island Road. The limits for the Project will extend from the existing SFOBB East Span Bike Landing/Vista Point, on the southeast side of YBI, to the intersection of Macalla Road and Treasure Island Road on the northwest side of the island. Additional information about the redevelopment of Treasure Island and Yerba Buena Island can





be found on [here](#) on TIDA's website. The Transportation Authority completed a YBI Multi-Use Path Mapbook (Attachment 1) which can be used as a guide for the project. The Project consists of a multi-use path that varies between 14.5-feet to 16-feet and has four segments.

The YBI Hillcrest YBI Multi-Use Path Related Plans (Attachment 2), YBI Southgate YBI Multi-Use Path Related Plans (Attachment 3), and YBI Westside Bridges YBI Multi-Use Path Related Plans (Attachment 4) are included for additional reference.

The first segment extends from the Bay Bridge East Span YBI bike landing to the intersection of Hillcrest Road and Forest Road. This segment may involve the design of a single spiral loop that will help users traverse up the slope on Southgate Road. The segment may also include bike landings and possibly be located above or below grade. The Project may substitute the spiral loop with a Class I multiuse path viaduct or switchback structure. The exact selection will be determined in the design phase in coordination with stakeholders and may require environmental revalidation. Additional scopes may include roadway modification, utility relocation, curb and gutter, retaining walls, retaining wall drainage, street and pedestrian level lighting, safety guardrails, bike/ped path handrails, drainage facilities, striping, signage and concrete barriers throughout its length.

The second segment is within the limits of the Hillcrest Road Improvement Project from the intersection of Hillcrest Road and Forest Road to the West Side Bridges Project. The Hillcrest Road Improvement Project will upgrade Hillcrest Road to modern day San Francisco Public Works (SFPW) standards and install a Class II bike path. The YBI Multi-Use Path Project will upgrade the Class II bike path into a Class I multi-use path. The YBI Multi-Use Path Project scope includes installing concrete barriers, striping, signage, drainage facility relocation, curb and gutter, street and pedestrian level lighting, safety guardrails, and bike/ped path handrails.

The third segment is within the limits of the West Side Bridges Seismic Retrofit Project which will reconstruct or retrofit bridges structures along Treasure Island Road and install a Class II bike lane. The YBI Multi-Use Path Project will upgrade this Class II bike lane into a Class I multi-use path and restripe the roadway for a transit-only lane to the westbound I-80 freeway on-ramp. The YBI Multi-Use Path Project scope includes installing concrete barriers, striping, signage, drainage facility relocation, curb and gutter, street and pedestrian level lighting, safety guardrails, and bike/ped path handrails. The project may also install traffic signal, rectangular rapid-flashing beacon, or other traffic control devices for the transit-only lane and I-80 westbound on-ramp.

The fourth segment is located between the West Side Bridges Seismic Retrofit Project and the Treasure Island Road and Macalla Road intersection. The YBI Multi-Use Path Project will install a Class I multi-use path and transit-only lane. The Project scope may include roadway reconstruction, concrete barriers installation, striping, signage, retaining walls, retaining wall drainage, drainage facility relocation, curb and gutter, street and pedestrian level lighting, safety guardrails, and bike/ped path handrails. This segment may extend to the Causeway and Ferry Terminal to the north and include upgrading the existing Class II bike lane to a Class I multi-use path. The third and fourth segments will also accommodate a transit lane project.



The Project received National Environmental Policy Act (NEPA) Categorical Exclusion and California Environmental Quality Act (CEQA) Statutory Exemption in 2023. The Project scope for the design phase includes environmental revalidation where necessary.

The Project is anticipated to include the following scope:

- Project Engineering, Class I Bike and Pedestrian Multi-Use Path Design, Roadway Design, Retaining Wall Design, Structural Engineering, Geotechnical Engineering, Traffic Engineering, and Technical Reports
- Right-of-Way Engineering
- NEPA revalidation as necessary for Project
- Coordinate with other construction projects on YBI and Treasure Island
- Coordinate with City and County of San Francisco, including San Francisco Public Works (SFPW), San Francisco Municipal Transportation Agency (SFMTA), San Francisco Public Utilities Commission (SFPUC), San Francisco Planning (SF Planning), and San Francisco Arts Commission (SFAC)
- Coordinate with TIDA and Treasure Island Community Development
- Coordinate with the United States Coast Guard (USCG)
- Coordinate with California Department of Transportation (Caltrans)
- Coordinate with West Side Bridges and Hillcrest Road engineering and construction management teams
- Coordinate with utility companies
- Obtain necessary environmental permits and authorizations, including Bay Conservation and Development Commission permit, National Pollutant Discharge Elimination System permit, Department of Toxic Substances Control, etc.
- Obtain necessary approval from the SFAC and incorporate necessary artistic features into the project design.

## **SECTION IV - SCOPE OF SERVICES**

The Transportation Authority seeks professional consultant services to provide the necessary design and engineering services to produce all necessary documents, services, permits, and approvals to successfully complete project design.

The project development process for the Project will consist of preliminary engineering; City and County of San Francisco permitting, and Caltrans encroachment permit; necessary right of way



mapping, acquisition of easements and right of way agreements and/or certifications; final project design, preparation of Plans, Specifications/Special Provisions and Estimate (PS&E); and environmental and/or resource agency permits/ agreements/ certifications. This Request for Proposal (RFP) covers all work tasks.

The Transportation Authority reserves the right to award one or more design contract(s) for combined or separate segments. Proposers are encouraged to submit proposals for roadway segments 2,3 and 4 as a single proposal, or a combined proposal of roadway segments 2,3, and 4, along with the major superstructure in Segment 1. The Transportation Authority maintains the right to amend the contract of the selected consultant or consultants to proceed or continue with each task. The Transportation Authority also maintains the right to cancel any task if the performance of the selected consultant team is unsatisfactory. The proposing teams will also be asked for their design qualifications with this RFP.

The successful firm(s) shall demonstrate competency in all fields of expertise required by this RFP. The Transportation Authority is undertaking this effort in cooperation with TIDA, Bay Area Toll Authority/ Metropolitan Transportation Commission (BATA/MTC), USCG, SFPW, SFMTA, SFPUC, SF Planning, and Caltrans District 04.

## **TASK 1 -DESIGN PROJECT MANAGEMENT**

- 1.1 General Project Management - The selected consultant(s) will perform the following project management tasks and activities:
  - a) Supervise, coordinate, and monitor products development, for conformance with the Transportation Authority, TIDA, SFPW, MTA, PUC, SFP, and Caltrans standards and policies.
  - b) Coordinate all design staff and any subconsultants to assure the free and timely flow of information for each task activity.
  - c) Ensure compliance with codes and standards, as acceptable to TIDA, SFPW, SFMTA, SFPUC, SF Planning and Caltrans, and as approved by the Transportation Authority. An example would be the use of City and County San Francisco standards for arterials, local roads, utilities, retaining walls, and signage on City and County San Francisco right-of-way and Caltrans' standards in Caltrans' right-of-way.
  - d) Ensure that all documents requiring City and County of San Francisco (TIDA, SFPW, SFMTA, SFPUC, and SF Planning) oversight review are prepared in accordance with City and County of San Francisco standards, guidelines, and procedures.
  - e) Ensure that all documents requiring Caltrans' approval are prepared in accordance with Caltrans' standards, guidelines, and procedures.



- f) Prepare a detailed Critical Path Method (CPM) schedule within two weeks after the Notice to Proceed and submit an updated electronic file schedule on a monthly basis to Transportation Authority staff.
  - g) Prepare agendas and minutes for project team meetings.
  - h) Prepare and submit correspondences and memorandums.
- 1.2 Project Administration - The selected consultant(s) will perform the following project administrative duties:
- a) Prepare and submit monthly progress reports in the format directed by the Transportation Authority that will identify work performed on each task the preceding month. Percent complete compared to percentages billed for each task will be shown. Narratives will also compare progress in meeting the CPM schedule and will contain proposals for addressing any schedule issues.
  - b) Prepare a monthly summary of total charges made to each task. This summary shall present the contract budget for each task, any re-allocated budget amounts, the prior billing amount, the current billing, total billed to date, and a total percent billed to date. Narratives will contain a brief analysis of budget-to-actual expenditure variances, highlighting any items of potential concern for Transportation Authority consideration before an item becomes a funding issue.
  - c) Provide monthly reporting indicating the amount of Disadvantaged Business Enterprise (DBE) firm participation based upon current billing and total billed to date.
  - d) Provide a monthly invoice in the standard format determined by the Transportation Authority that will present charges by task, by staff members at agreed-upon hourly rates, with summary expense charges and subconsultant charges. Detailed support documentation for all consultant direct expenses and subconsultant charges will be attached.
- 1.3 Quality Assurance/Quality Control (QA/QC) - The selected consultant(s) will establish and implement a QA/QC procedure for activities undertaken by staff and by subconsultants. The QA/QC procedure set forth for the Project shall be consistent with Caltrans' most recent version of the "Guidelines for Quality Control/Quality Assurance for Project Delivery". The QA/QC process for this project will consist of the following minimum reviews:
- a) Discipline Review - Each responsible discipline leader will perform technical checking.
  - b) Peer Review/Coordination Checking - Coordination and independent checking activities will be performed by a separate group of engineers who have the capability to identify and evaluate coordination problems and to initiate, recommend, or provide solutions.



- c) Constructability Review - A constructability review will be performed at major milestones.
- 1.4 Agency Coordination - The Transportation Authority will manage the work of the selected consultant(s). The selected consultant(s) will coordinate with agencies as required for project development. Coordination effort will include the following organizations:
- a) TIDA
  - b) SFPW
  - c) PUC
  - d) MTA
  - e) SF Planning
  - f) Caltrans
  - g) Affected utility companies
  - h) Regulatory agencies
  - i) USCG
  - j) BATA/MTC
  - k) TICD (TI/YBI master developer)
  - l) SFAC
  - m) Other stakeholders as necessary
- 1.5 Progress Meetings and Reporting - The selected consultant(s) will attend, and conduct as necessary, the following meetings:
- a) Project Kick-Off meeting with Transportation Authority, TIDA, SFPW, SFMTA, SFPUC, BATA/MTC, Caltrans, and USCG to identify the issues to be resolved, and to review the project scope of work.
  - b) Technical workshop meetings with Transportation Authority, TIDA, SFPW, SFMTA, SFPUC, BATA/MTC, USCG, Caltrans and other agencies to resolve identified issues.
  - c) Design coordination meetings with in-house design team, subconsultants, West Side Bridges project team, Hillcrest Road Improvement project team, BATA/MTC, and USCG.



- d) Regular monthly Project Development Team (PDT) Meetings. The selected consultant(s) will conduct each of these meetings. The Transportation Authority and TIDA will determine the location for the meetings. Required activities include the following:
  - i. Preparation and distribution of the agenda for the PDT meetings.
  - ii. Preparation and submittal of Status of Submittals Register.
  - iii. Preparation and distribution of meeting minutes, with action items clearly indicated, within five (5) days after each PDT Meeting.
- e) Public meeting(s) and hearing(s) to present preliminary alternatives and obtain public input in coordination with the Transportation Authority, TIDA, SFPW, SFMTA, SFPUC, SF Planning, and BATA/MTC.
- f) Public hearing(s) as part of potential environmental process consistent with City and County of San Francisco environmental process, Caltrans Local Assistance Procedures Manual and federal NEPA guidelines.

## **TASK 2 - RIGHT-OF-WAY ENGINEERING, ENVIRONMENTAL DOCUMENT**

Task 2 consists of all potential right-of-way engineering for the Project including obtaining Caltrans Encroachment Permit and USCG easements if necessary. Caltrans encroachment permit may be necessary for Project segments 1, 2, and 3. Task 2 environmental scope includes potential Project environmental revalidation resulting from changes during design phase.

Deliverables:

- All right-of-way engineering deliverables (Hard Copy, Appraisal Maps, Plat Maps, Legal Descriptions, etc.) prepared in accordance with City and County of San Francisco, USCG, and Caltrans standards
- Caltrans Encroachment Permit
- Right-of-Way approvals including acquisition of temporary or permanent easements, and agreements with the following, but not limited to: Caltrans, USCG, TIDA, and SFPW.
- Environmental Revalidation and any necessary documents

## **TASK 3 - PROJECT ENGINEERING AND DESIGN**

The project development process for the Project will consist of preliminary engineering as needed, the final design, and preparation of PS&E. The Transportation Authority maintains the right to amend the contract of the selected consultant(s) to continue with each task or subtasks.



Final design shall consist generally of the preparation of plans, specifications and estimates in accordance with current City and County of San Francisco and Caltrans standards. The final contract plans shall include all necessary plan sheets required for the complete construction of the project. In addition, the selected consultant(s) shall be responsible for the preparation, submittal and approval of all accompanying documents (i.e., various design reports, utility relocations, permits, agreements, reports, survey notes, slope stake notes, SFPW permits and requirements, SFMTA permits and requirements, SFPUC permits and requirements, and Caltrans District Office Engineer/Headquarters Office Engineer permits and requirements). Below are the tasks that are anticipated to be performed, but the Transportation Authority reserves the right to add or eliminate any individual tasks and subtasks.

### 3.1 PS&E (35% Submittal)

Deliverables:

- 35% Plans including typical cross sections
- Structures Type Selection Report
- Geometric Approval Drawings including design exceptions if necessary
- Electrical conduits, and other substructures
- Survey
- QA/QC documentation

### 3.2 PS&E (65% Submittal)

Deliverables:

- 65% Plans (including roadway, retaining wall, and joint trench)
- Geotechnical Materials Report
- Electrical conduits, and other substructures
- Foundation Report
- Hydraulics Report
- All necessary City and County of San Francisco permits
- Draft Agreements and Permits (Caltrans and utility providers, etc.)
- Draft Storm Water Pollution Prevention Plan (SWPPP)
- Draft Construction Cost Estimate



- Electronic copy of plans, design, reports, draft permits and draft agreements
- Traffic Management Plan
- Constructability Review
- Public Information Meeting Documents
- QA/QC documentation

### 3.3 PS&E (95% Submittal)

Deliverables:

- 95% Plans
- Draft Final SWPPP
- Construction Cost Estimate
- Constructability Review
- Draft Agreements and Permits (City and County of SF, Caltrans, and utility providers, etc.)
- Electronic copy of plans, design, reports, draft permits and draft agreements
- QA/QC documentation

### 3.4 PS&E (100% Submittal)

Deliverables:

- 100% Plans including all final Construction Details and Erosion Control Plans
- Final SWPPP
- Fully Edited Draft Final Special Provisions in Caltrans format if necessary.
- Draft Final Construction Cost Estimate
- Bid-ability Review
- Final Agreements and Permits
- Electronic copy of plans, design, reports, draft permits and draft agreements
- QA/QC documentation

### 3.5 Final PS&E





Deliverables:

- Final Contract Plans
- Final Reports, modified as necessary
- Final Agreements and Permits
- Final Special Provisions if necessary
- Final Construction Cost Estimate
- Resident Engineer's Files and Survey Files
- Permits (including all SFPW, SFMTA, SFPUC, and Caltrans permits), Agreements, Mitigation Reports
- Project Files
- Electronic copy of plans, design, reports, permits, agreements, estimates and Special Provisions
- QA/QC documentation

**TASK 4 - BID SUPPORT**

The task consists of providing bid support to the construction management team throughout the bid process. Below are the tasks that are to be performed, by the Design consultant(s), but the Transportation Authority reserves the right to add or eliminate any individual tasks and subtasks.

Deliverables:

- Bid Documents for Project Advertisement - this includes preparation of final bid plans and specs, including all supplemental information that becomes part of the bid package, such as permits
- Attend Pre-Bid Meeting - this includes responding to inquiries at the meeting, following up with responses, and related coordination to resolve any issues
- Respond to Bidder Inquiries - this includes responding to inquiries both before, during and after the Pre-Bid Meeting, performed to meet deadlines established by the Transportation Authority for response to Bidder Inquiries.
- Addenda - Based on both Bidder inquiries and the Transportation Authority's direction, create necessary Addendum packages, which include plans and specifications as well as other written memoranda, to incorporate necessary changes into the contract after advertising. This work must be performed to meet deadlines established by the Transportation Authority.



### **TASK 5 - DESIGN SERVICES DURING CONSTRUCTION (OPTIONAL)**

The optional task consists of providing design services to the construction management team during Project construction. This task also includes attending coordination meetings with the construction management team and addressing key design issues, construction risks as it relates to design intents, and items for the construction management team to be aware of. Below are the tasks that are funded to be performed, but the Transportation Authority reserves the right to add or eliminate any individual tasks and subtasks.

#### Deliverables:

- Attend construction meetings
- Participate in final walkthrough and development of punch lists
- Respond to Requests for Information (RFI), which includes clarifying or providing revisions or additional detail where necessary on the plans and specifications. Response to RFIs shall be timely in order to avoid construction delays and claims
- Revisions to the contract plans as a result of responses to RFIs or as a result of executed change orders
- Review and respond to all submittals within the period allocated in the contract documents
- Review any proposed substitutions, if any, for conformance to plans and specifications
- Review and make recommendations on any proposed changes to the Project during construction
- Prepare As-builts. Final As-builts will be submitted electronically, in PDF and CAD format. As-Builts will be provided within 180 days of completion of the project.

If the Transportation Authority determines in its sole and absolute discretion that the selected consultant(s) has satisfactorily performed the required scope of services described and funding is available, the Transportation Authority may authorize the selected consultant to perform optional Task 4 for Bid Support and Task 5 for Design Services During Construction.

**Project schedule\*:** The Transportation Authority desires to adhere to the milestone schedule shown below for the consultant contract. The schedule is intended to include adequate time for review and comments by the appropriate participating agencies.

- Notice to Proceed (NTP): October 2024
- 35% PS&E January 2025 and all Task 3.1 deliverables
- 65% PS&E April 2025 and all Task 3.2 deliverables



- 95% PS&E October 2025 and all Task 3.3 deliverables
- City and County of San Francisco Permits and Agreements, Caltrans Encroachment Permit and ROW Easement December 2025
- 100% PS&E January 2026 and all Task 3.4 deliverables
- Final PS&E February 2026 and all Task 3.5 deliverables

Preparation of the preliminary engineering, potential environmental document, City and County SF permits and approvals, and Caltrans encroachment permit shall commence immediately following receipt of a NTP from the Transportation Authority. The selected consultant/team shall be responsible for all work necessary to obtain all City and County of San Francisco (SFPW, SFMTA, SFPUC, SF Planning, SFAC, TIDA) permits and approvals, Caltrans encroachment permit and right-of-way, and complete Final PS&E, and shall comply with applicable local, State, and Federal standards.

\* Project Schedule is subject to change

## **SECTION V - RFP RESPONSE REQUIREMENTS: CONTENT AND FORMAT**

All proposals should be clear, concise, and provide sufficient information to minimize questions and assumptions. Proposals should be limited to **15 pages** (no smaller than 12-point font shall be used), excluding cover letter, table of contents, the cost proposal, and the following items, which should be included as attachments: résumés and Disadvantaged Business Enterprise (DBE) certification. The Transportation Authority accepts no financial responsibility for any costs incurred in the preparation of proposals. Upon receipt by the Transportation Authority, all accepted proposals submitted in response to this RFP will become the property of the Transportation Authority.

**Time and Place for Submission of Proposals.** By the proposal submission deadline, the following must be transmitted:

- **Proposal** (written proposal): one (1) electronic copy (PDF) including all information herein requested. Please clearly specify in the subject line of the email transmittal: "Response to RFP 23/24-11 for YBI Multi-Use Path Project".
- **Cost proposal** (in a separate electronic file): one electronic copy (XLS/XLSX format) including all information herein requested. Please name the file: "Cost Proposal for RFP 23/24-11", and submit along with the proposal.

The proposals must be transmitted electronically to the Transportation Authority at the following address: [info@sfcta.org](mailto:info@sfcta.org).



All responses must be in writing and identified as to content and be received by the Transportation Authority by the due date. Proposals received later than the date and time specified in Section II above will be rejected.

**Cover Letter.** Proposers must submit a letter of introduction for the proposal. The letter must be signed by a person authorized by your firm to obligate your firm to perform the commitments contained in the proposal. Submission of the letter will constitute a representation by your firm that your firm is willing and able to perform the commitments contained in the proposal. The cover letter must also include the following content in the format as shown:

**1. Project Manager** (The individual in charge of the scope of services, and who will be the Transportation Authority's contact throughout the contract duration)

Prefix: (Mr./Ms./Mx., etc.)

Name:

Title:

Address:

City, State, ZIP:

Phone Number:

Email:

**2. Selection Process Lead** (The individual to whom correspondence and other contacts should be directed during the consultant selection process)

Prefix: (Mr./Ms./Mx., etc.)

Name:

Title:

Address:

City, State, ZIP:

Phone Number:

Email:

**3. Negotiating Officer** (The individual who will negotiate with the Transportation Authority and who can contractually bind the proposer's firm)

Name:

Title:

Address:

City, State, ZIP:

Phone Number:

Email:



<p><b>4. List proposed co-venture arrangements or sub-consultants, if any:</b></p> <p>1. Company: DBE status: Percentage of involvement: Name: Title: Address: City, State, ZIP: Phone Number: Email:</p> <p>2. ...</p>
<p><b>5. <input checked="" type="checkbox"/> This letter is signed by an officer that is authorized to bind the proposer contractually.</b></p>
<p><b>6. <input checked="" type="checkbox"/> This proposal is firm for a 120-day period from the proposal submission deadline.</b></p>

**Content.** Proposals must contain the following five sections:

- 1. Proposer Information and Understanding of Project Objectives.** In this section, the proposer must provide a discussion demonstrating an understanding of the services to be provided, the challenges for each task, and their significance to the Transportation Authority.
- 2. Technical and Management Approach.** In this section, the proposer must describe its approach to the delivery of the services included in Section IV. This section must (1) reflect the proposer’s knowledge of, and ability to demonstrate, a sound approach to the requested services, and (2) include a discussion on potential impacts to cost, scope, and schedule based on lessons learned, including any recommendations the consultant proposes to lower and/or control costs given the proposed scope of the project.

Proposer must provide the names and positions of all staff for the proposed team. An organization chart should be included that clearly establishes principal team member firms and sub-consultants, if any. Proposer must also identify any specialty sub-consultants that would not necessarily be part of the core team but would be available on an as-needed basis for specialty support. The proposal should also designate the Project Manager in charge of the scope of services and the Transportation Authority’s contact throughout the contract duration. In addition, the proposal should briefly address how the efforts of each of the team members will be coordinated.

Proposals must discuss workload for all key team members, indicating their expected availability, the percentage of their time that will be devoted to the Transportation Authority’s



contract, and any other assurances as to their ability to provide the requested services in a responsive and timely manner. The description of the management approach should address proposed response time standards and how the management and team structure will help to meet those standards.

3. **Capabilities and Experience.** Proposers must state the qualifications and experience of the proposed team, emphasizing the specific qualifications and experience acquired while providing services similar to those being sought by the Transportation Authority, particularly for the Project Manager and other key project staff members assigned to the Project. Except under certain circumstances beyond the proposer’s control, the Transportation Authority will not accept substitutions of key members of the team put forth as part of the winning proposal.

This section must include the following information:

- Names of Project Manager and team members;
- Résumés of all technical personnel to be assigned to work within the scope of services as outlined in Section IV (provide as attachments; résumés will not count toward the page limit);
- Statement of proposer’s background and experience related to activities and services being sought through this RFP;
- Brief description of similar projects for which the proposer has provided services during the past five (5) years, including the following information:
  - Client, including reference contact information
  - Project description and location
  - Description of services
  - Total value of services provided
  - Actual budget performance vs. projected
  - Actual schedule performance vs. projected
  - Key personnel involved
  - Sub-consultants employed

4. **Assurances and Miscellaneous Items.** In this section, proposals must provide the following information:

- a. Proposers must complete and include the exhibits listed below within the submittal. These exhibits do not count toward the page limit; please provide as attachments to proposal. Exhibit samples are attached to this IRFP.

Exhibit	Prime Consultant	Subconsultant(s)
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Exhibit A - Terminated Contracts	X	X
Exhibit B - Workforce Data Spreadsheets	X	X
Exhibit 10-O1 - Consultant Proposal DBE Commitment	X	N/A
Exhibit 10-O2 - Consultant Contract DBE Commitment	X	N/A
Exhibit 15-H - DBE Information - Good Faith Efforts	X	N/A
Exhibit 10-Q - Disclosure of Lobbying Activities	X	X
Exhibit 10-H - Sample Cost Proposal	X	N/A

- b. Proposers must provide the names, telephone numbers, and email addresses of at least three references, in addition to Transportation Authority staff, if any. The references should cover work performed by the Project Manager and other key project staff members, and should be for work recently performed and similar in nature to the services sought in this RFP. The references must include a brief description of the projects involved and the roles of the respective team members in successfully completing the project.
- c. Proposers must specify any potential or perceived conflicts of interest which would disqualify its firm from doing business with the Transportation Authority. If proposers are unaware of existing or foreseeable conflicts of interest, a simple statement will suffice. However, proposers should provide a brief description of each apparent, existing, or foreseeable conflict of interest, if any. In addition, list all relevant assignments completed for the City and County of San Francisco within the last five (5) years, and any involvement with Transportation Authority-funded projects, to enable the Transportation Authority to identify any possible conflicts of interest.
- d. Proposers must list any political contributions of money, in-kind services, or loans made to any current member of the Transportation Authority Board of Commissioners within the last three (3) years by management positions of the proposed consultant or sub-consultant. If proposers are unaware of any political contributions, a simple statement will suffice. However, if proposers are aware of any political contribution, proposals should include details, such as to whom, what type of contribution, the date, and the amount.
- e. Proposers must clearly designate financial submittals or other materials in its submittal, if any, which it in good faith believes to be a trade secret or confidential proprietary information protected from disclosure. See Section IX below, for further details on public disclosure of responses and other materials.
- f. Respondents shall acknowledge receipt and understanding of the following Transportation Authority’s contracting requirements and state its ability and willingness to comply with each of them in its SOQ. The Transportation Authority does not intend to deviate from its standard contract language. For contracts with small businesses, the Transportation



Authority may consider waiving or accepting lower insurance coverage, based on the scope of services required, as appropriate.

**i. Insurance**

Prior to commencement of work, the Transportation Authority will require the successful respondent to provide evidence of appropriate insurance coverage. The Transportation Authority's standard contract requires firms to maintain, during the full term of the contract term, insurance in the following amounts and coverages:

1. Workers' Compensation, in statutory amounts, with Employers' Liability Limits not less than \$1,000,000 each accident;
2. Commercial General Liability Insurance with limits not less than \$1,000,000 each occurrence Combined Single Limit for Bodily Injury and Property Damage, including Contractual Liability, Personal Injury, Products and Completed Operations;
3. Commercial Automobile Liability Insurance with limits not less than \$1,000,000 each occurrence Combined Single Limit for Bodily Injury and Property Damage, including Owned, Non-Owned and Hired auto coverage, as applicable; and
4. Professional Liability Insurance with limits not less than \$2,000,000 per claim. Sub-consultants providing professional services under this Agreement shall be added to Contractor's policy as additional insured, or shall provide evidence of their own professional liability insurance which is acceptable to the Transportation Authority's Executive Director.

Such coverage must be provided by an insurance company authorized to do business in the State of California. Commercial General Liability and Business Automobile Liability insurance policies must name the San Francisco County Transportation Authority as an Additional Insured and that the policies will not be cancelled or materially changed without thirty (30) days prior notice in writing to the Transportation Authority. Describe if your firm's insurance coverage and amounts meet the above-stated contract limitations.

**ii. Indemnification**

- (a) **Generally.** To the fullest extent permitted by law, Contractor shall assume the defense of (with legal counsel subject to approval of the Transportation Authority), indemnify and save harmless the Transportation Authority, its boards, commissions, officers, and employees (collectively "Indemnitees"), from and against any and all claims, loss, cost, damage, injury (including, without limitation, injury to or death of an employee of the Contractor or its sub-consultants), expense and liability of every kind, nature, and description (including, without limitation, incidental and consequential damages, court costs, attorneys' fees, litigation expenses, fees of expert consultants or witnesses in litigation, and costs of investigation), that arise out





of, pertain to, or relate to, directly or indirectly, in whole or in part, the negligence, recklessness, or willful misconduct of the Contractor, any sub-consultant, anyone directly or indirectly employed by them, or anyone that they control (collectively, "Liabilities").

- (b) **Limitations.** No insurance policy covering the Contractor's performance under this Agreement shall operate to limit the Contractor's Liabilities under this provision. Nor shall the amount of insurance coverage operate to limit the extent of such Liabilities.

The Contractor assumes no liability whatsoever for the sole negligence, active negligence, or willful misconduct of any Indemnitee or the contractors of any Indemnitee.

- (c) **Copyright Infringement.** Contractor shall also indemnify, defend and hold harmless all Indemnitees from all suits or claims for infringement of the patent rights, copyright, trade secret, trade name, trademark, service mark, or any other proprietary right of any person or persons in consequence of the use by the Transportation Authority, or any of its boards, commissions, officers, or employees of articles or services to be supplied in the performance of Contractor's services under this Agreement. Infringement of patent rights, copyrights, or other proprietary rights in the performance of this Agreement, if not the basis for indemnification under the law, shall nevertheless be considered a material breach of contract.

### **iii. Incidental and Consequential Damages**

Contractor shall be responsible for incidental and consequential damages resulting in whole or in part from Contractor's acts or omissions. Nothing in this Agreement shall constitute a waiver or limitation of any rights that Transportation Authority may have under applicable law.

- 5. Cost.** The cost proposal will not count toward the page limit. This contract will be on a cost-reimbursement basis, which provides for payment of the successful proposer's allowable incurred costs, to the extent prescribed in the contract. The cost proposal must include a matrix with columns for hourly rate, classification, and names for all personnel and/or sub-consultants involved in the work described in Section IV above, including optional tasks. It also must include a breakdown of hours and costs for each task listed in the scope of work. The cost proposal may include a percentage of any expected salary increases or cost of living adjustments, not to exceed 3% annually. The cost proposal must include a method for establishing rates for personnel or classifications not listed. Sub-consultant costs, travel, and all other direct costs will be reimbursed at cost with no markup allowed.

Costs should be broken out for each of the four segments described on page 3. Segment 1 extends from the Bay Bridge East Span YBI Bike landing to the intersection of Hillcrest Road and Forest Road. Segment 2 is within the limits of the Hillcrest Road Improvement Project from the intersection of Hillcrest Road and Forest Road to the West Side Bridges Project. Segment 3 is within the limits of the West Side Bridges Seismic Retrofit Project which will



reconstruct or retrofit bridges structures along Treasure Island Road and install a Class II bike lane. Segment 4 is located between the West Side Bridges Seismic Retrofit Project and the Treasure Island Road and Macalla Road intersection.

In addition to the matrix, cost proposals must be presented in the format required by Caltrans, shown in Exhibit 10-H, for the prime and all sub-consultants. This format for cost proposals must contain a breakdown of all cost components including: unloaded labor base rate, other direct costs, indirect cost rate, escalation and net fee.

Per Caltrans' requirements, all consultants, including prime and subconsultants, on a proposed contract with a dollar value greater than \$500,000 are subject to an Indirect Cost Rate financial review. Prior to contract execution, the selected prime consultant and its subconsultants are required to provide financial documents detailed in the [Financial Document Review Request Form](#). Caltrans' Independent Office of Audits and Investigations will review the Indirect Cost Rate financial documents to either accept or adjust the indirect cost rate prior to contract execution using a risk-based approach. Instructions and required forms are accessible here: <https://ig.dot.ca.gov/resources/instructions-fdr-icr>.

## **SECTION VI - EVALUATION CRITERIA AND METHOD OF AWARD**

The proposals will be evaluated by a selection committee appointed by the Executive Director and scored (maximum of 100 points) using the following criteria:

### **1. Proposer Information and Understanding of Project Objectives. (20 points)**

- a. Responsiveness to all items requested in the RFP, such as completeness of submission, adherence to required page limits, overall organization, and clarity of proposal; and
- b. Understanding of the services to be provided, particularly in relation to the Transportation Authority, and challenges for each task.

### **2. Technical and Management Approach. (40 points)**

- a. Effectiveness of the proposed work plan, program, and method of execution;
- b. Technical solutions to meet the scope of services; insight and understanding of special issues, problems and constraints, approach towards mitigating and resolving them;
- c. Effectiveness of the team's organizational structure in executing and managing the tasks;
- d. Management approach in providing technically sound and cost-effective services; and
- e. Ability/capacity to provide timely, qualified, and adequate staffing and services to support project demands.

### **3. Capabilities and Experience. (40 points)**

- a. Capability of project team, specific relevant experience, qualifications, and expertise of each firm and subconsultant firm, especially the proposed key personnel; and



- b. Client references as to past project performance.

**Evaluation Process.** The selection committee retains the right to independently verify and evaluate relevant experience and client references, including any sources not mentioned in the proposal.

Submittals receiving an initial score of less than 70 points will not be considered further in the selection process. Proposers that have received a score of 70 points or higher may, at the Transportation Authority's sole discretion, be invited to an interview with the selection committee. The Transportation Authority reserves the right to not conduct oral interviews and determine the winning proposer based solely on the written proposal. If oral interviews are held, individuals who are identified as key personnel in the proposal are required to participate in the interview. Based on the results of the interview, the selection committee may adjust initial scores on the evaluation criteria identified above to arrive at the final evaluation score. The proposer with the highest final evaluation score shall be determined as the top proposer. Proposers who do not arrive for a scheduled interview, if one is held, will no longer be considered further in the selection process.

Once the top proposer has been identified and the proposer's cost and pricing data has been reviewed, Transportation Authority staff will start contract negotiations with that proposer. If contract negotiations are not successful, the second-ranked proposer may be asked to negotiate with the Transportation Authority. The goal of such negotiations will be to agree on a final contract that delivers the services and work described in this RFP at a fair and reasonable cost to the Transportation Authority. The award, if any, will be made to the proposer whose submittal is most responsive to the RFP and deemed most advantageous to the Transportation Authority. The Transportation Authority reserves the right to modify and/or suspend any and all aspects of this procurement, to obtain further information from any firm or person responding to this procurement, to waive any informality or irregularity as to form or content of this procurement or any response thereto, to be the sole judge of the merits of the proposals received, and to reject any or all proposals.

## **SECTION VII - DBE FOR U.S. DEPARTMENT OF TRANSPORTATION ASSISTED CONTRACTS**

**Terms.** The terms used in this Policy have the meanings as defined in U.S. Department of Transportation (DOT) Code of Federal Regulations Title 49 Section 26 (49 CFR § 26).

**DBE Objective/Policy Statement.** As the Transportation Authority may receive federal financial assistance to fund a portion of this procurement from the United States Department of Transportation through the California Department of Transportation (Caltrans) acting on behalf of the Federal Highway Administration (FHWA), the Metropolitan Transportation Commission (MTC), or the Federal Transit Administration, this procurement is subject to Caltrans regulations in accordance with Code of Federal Regulations Title 49 Section 26 (49 CFR 26).



DBEs and other small businesses are strongly encouraged to participate in the performance of contracts financed in whole or in part with federal funds. The consultant should ensure that DBEs and other small businesses have the opportunity to participate in the performance of the work that is the subject of this solicitation and should take all necessary and reasonable steps for this assurance. The proposer shall not discriminate on the basis of race, color, creed, religion, national origin, ancestry, age, height, weight, sex, sexual orientation, gender identity, domestic partner status, marital status, or disability or AIDS/HIV status in the award and performance of subcontracts. Proposers are encouraged to use services offered by financial institutions owned and controlled by DBEs.

Nondiscrimination. The Transportation Authority will never exclude any person from participation in, deny any person the benefit of, or otherwise discriminate against anyone in connection with the award and performance of any contract covered by 49 CFR 26 on the basis of race, color, sex, or national origin. The Transportation Authority will not, directly or through contractual or other arrangements, use criteria or methods of administration that have the effect of defeating or substantially impairing the accomplishment of the objectives of the Caltrans DBE Program Plan with respect to individuals of a particular race, color, sex, or national origin.

**Contract Goal.** For this contract, the Transportation Authority has established a DBE goal of 22%. Firms are requested to provide all applicable certificates or proof of certification along with their submission, which will not count against the page limit. Proposers must document adequate good faith efforts to involve DBEs by completing and submitting the attached Exhibit 10-O1, *Consultant Proposal DBE Commitment*, Exhibit 10-O2, *Consultant Contract DBE Information*, and Exhibit 15-H, *DBE Information - Good Faith Efforts*. Regardless of whether or not proposers are able to meet the DBE goal, all proposers must complete and submit Exhibit 15-H showing that proposers made adequate good faith efforts to meet the goal. Proposals that do not make an adequate good faith effort to meet the DBE contract goal and document adequate good faith efforts shall be considered non-responsive to this procurement.

**DBE Regulations.** Bidders shall be fully informed with respect to the requirements of the DBE regulations. The DBE regulations in their entirety are incorporated herein by reference. A DBE must be a small business firm defined pursuant to 13 CFR 121 and be certified through the California Unified Certification Program by the proposal due date. A certified DBE may participate as a prime consultant, sub-consultant, joint venture partner with a prime or sub-consultant, vendor of materials or supplies, or as a trucking company. For more information, please refer to Exhibit 10-I, *Notice to Proposers DBE Information*, and Exhibit D, *Guidance for Bidders Completing the Good Faith Effort Submittal*.

## **SECTION VIII - PROCUREMENT PROTEST AND APPEAL POLICIES AND PROCEDURES**

The Transportation Authority has established protest procedures, which apply to all procurements of supplies, equipment, and services. Proposers must file protests with the Transportation Authority no later than five (5) business days after notice, actual or constructive, by the



Transportation Authority's Executive Director or her designee, that either their bid (or proposal) is not being considered further, or a recommendation has been made to the Board to award to another bidder. Copies of these policies and procedures are kept at the Transportation Authority's offices and are available upon written request.

## **SECTION IX - NOTE REGARDING PUBLIC DISCLOSURE OF RESPONSES AND OTHER MATERIALS**

Under the California Public Records Act (PRA; Government Code sections 6250 *et seq.*), records, information, and materials submitted to the Transportation Authority, not otherwise exempt, are subject to public disclosure. Immediately after the contract has been awarded, the materials submitted by all proposers will be open to inspection. Each party submitting a response to the RFP should clearly designate financial submittals or other materials, if any, which it in good faith believes to be corporate proprietary information, including trade secrets, protected from disclosure; if no materials are designated, the submitted proposal in its entirety may be subject to PRA. To the extent permitted by law, the Transportation Authority will attempt to maintain the confidentiality of such information by providing the proposer with notice that it has received a request. If the proposer desires that such materials not be disclosed, it may, at its own expense, take appropriate legal action to prevent such disclosure. However, such confidentiality cannot be assured, and the Transportation Authority will not be liable for the public disclosure of any material submitted to it.

## **SECTION X**

### **ATTACHMENT(S)**

1. YBI Multi-Use Pathway Map Book
2. YBI Hillcrest YBI Multi-Use Path Related Plans
3. YBI Southgate YBI Multi-Use Path Related Plans
4. YBI Westside Bridges YBI Multi-Use Path Related Plans

## **APPENDICES AND EXHIBITS**

The following documents are attached:

- Exhibit A - Terminated Contracts
- Exhibit B - Workforce Data Spreadsheets
- Exhibit 10-O1 - Consultant Proposal DBE Commitment
- Exhibit 10-O2 - Consultant Contract DBE Information



- Exhibit 15-H - DBE Information - Good Faith Efforts
- Exhibit 10-Q - Disclosure of Lobbying Activities
- Exhibit 10-H - Sample Cost Proposal

# **Attachment 1**

## **YBI Multi-Use Path Map Book**



# YERBA BUENA ISLAND MULTI-USE PATHWAY

## MAP BOOK

NOVEMBER 18, 2022 DRAFT

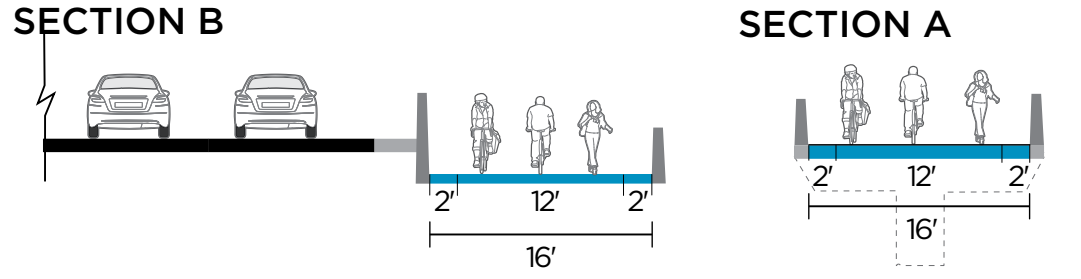
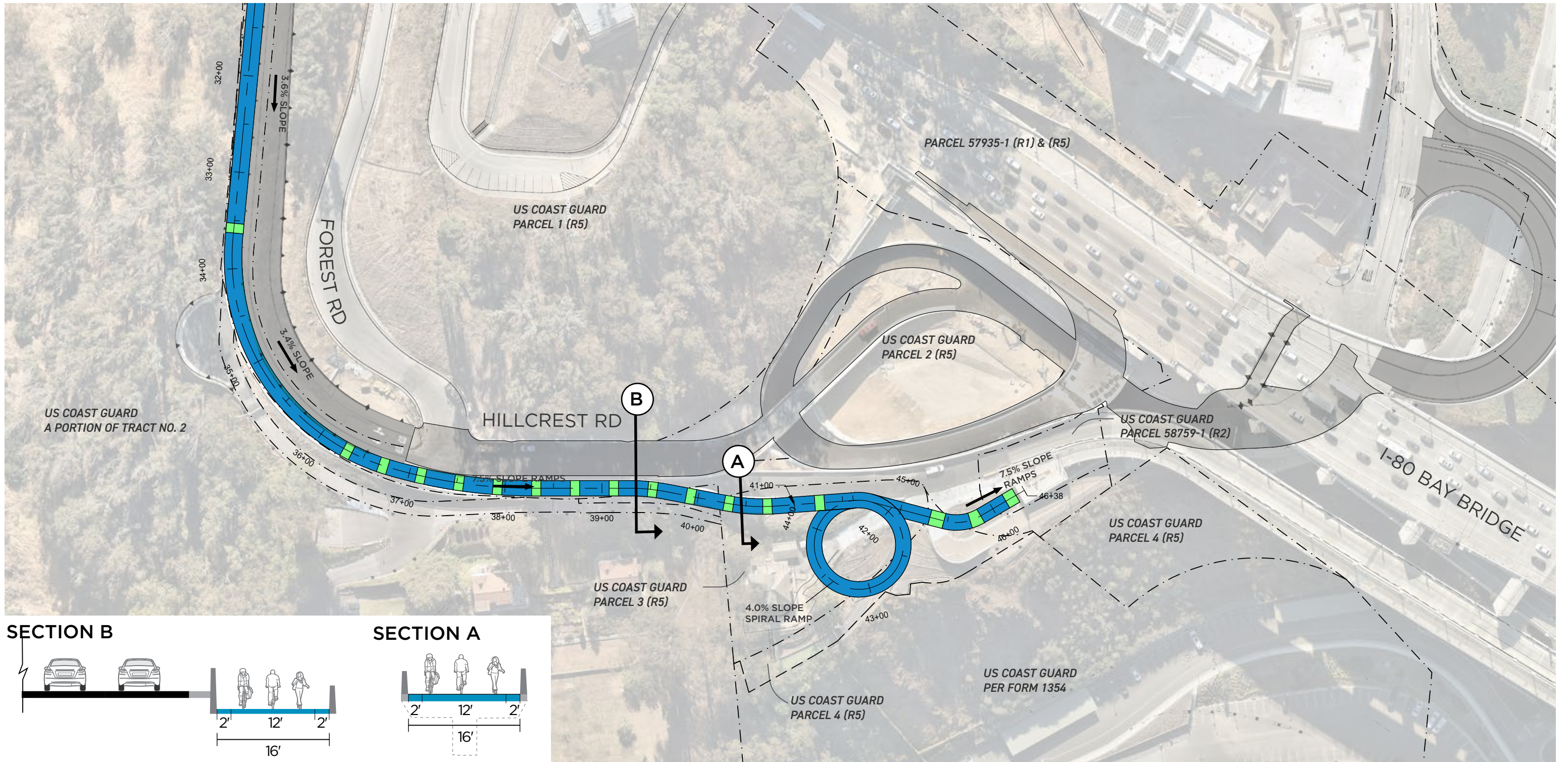


**San Francisco  
County Transportation  
Authority**

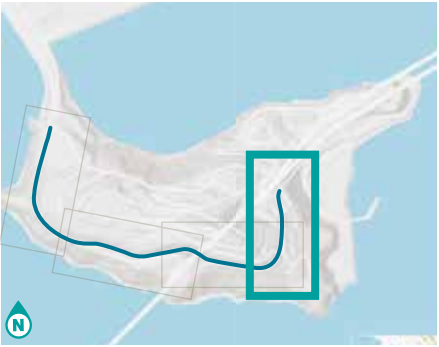
YBI MULTI-USE PATHWAY ALTERNATIVES







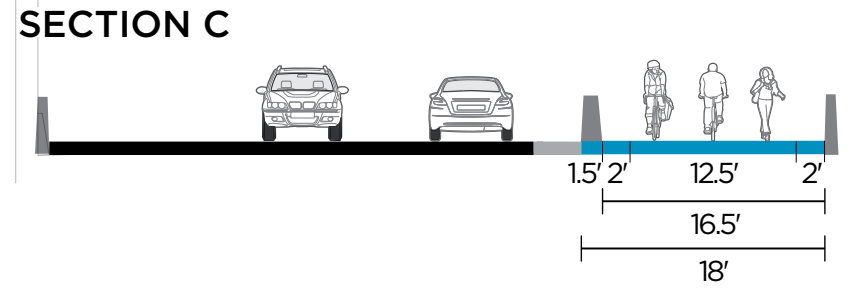
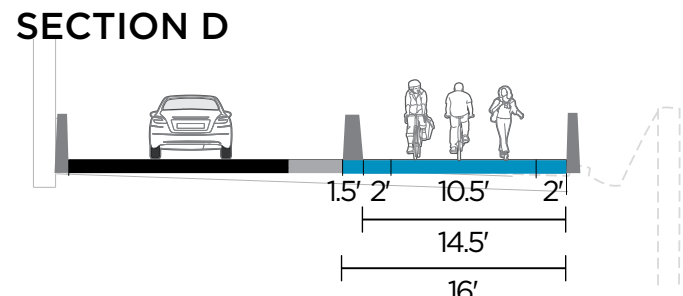
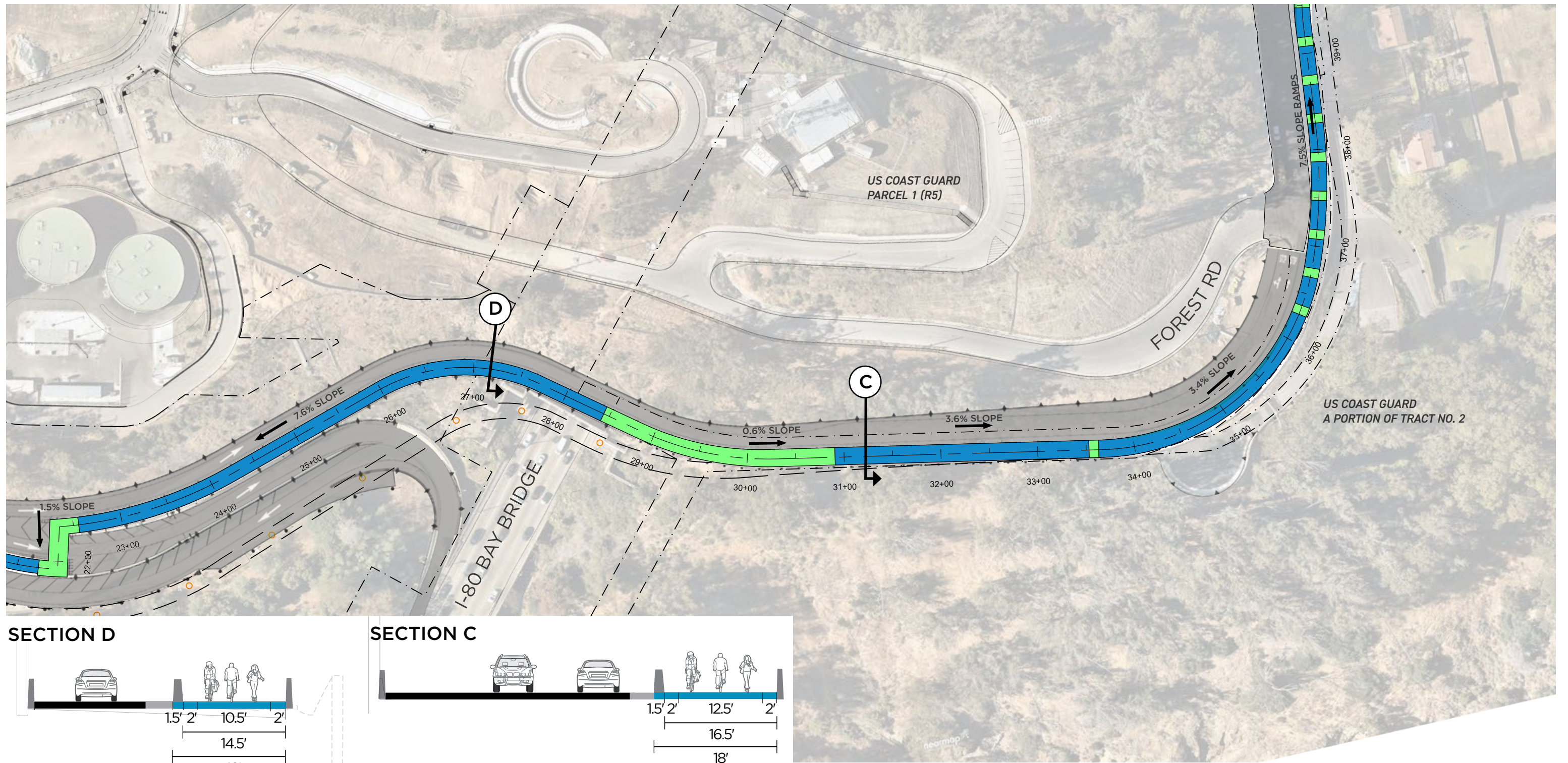
- LEGEND**
- Path Alignment
  - Landings
  - ROW/ Easement \*Note: ROW & Easement boundaries informed by CAD data and CALTRANS ROW Appraisal Map.
  - o
 Foundations for MUP to be constructed in the future



1" = 100'  
0 100'

# Segment 1: Hillcrest Rd





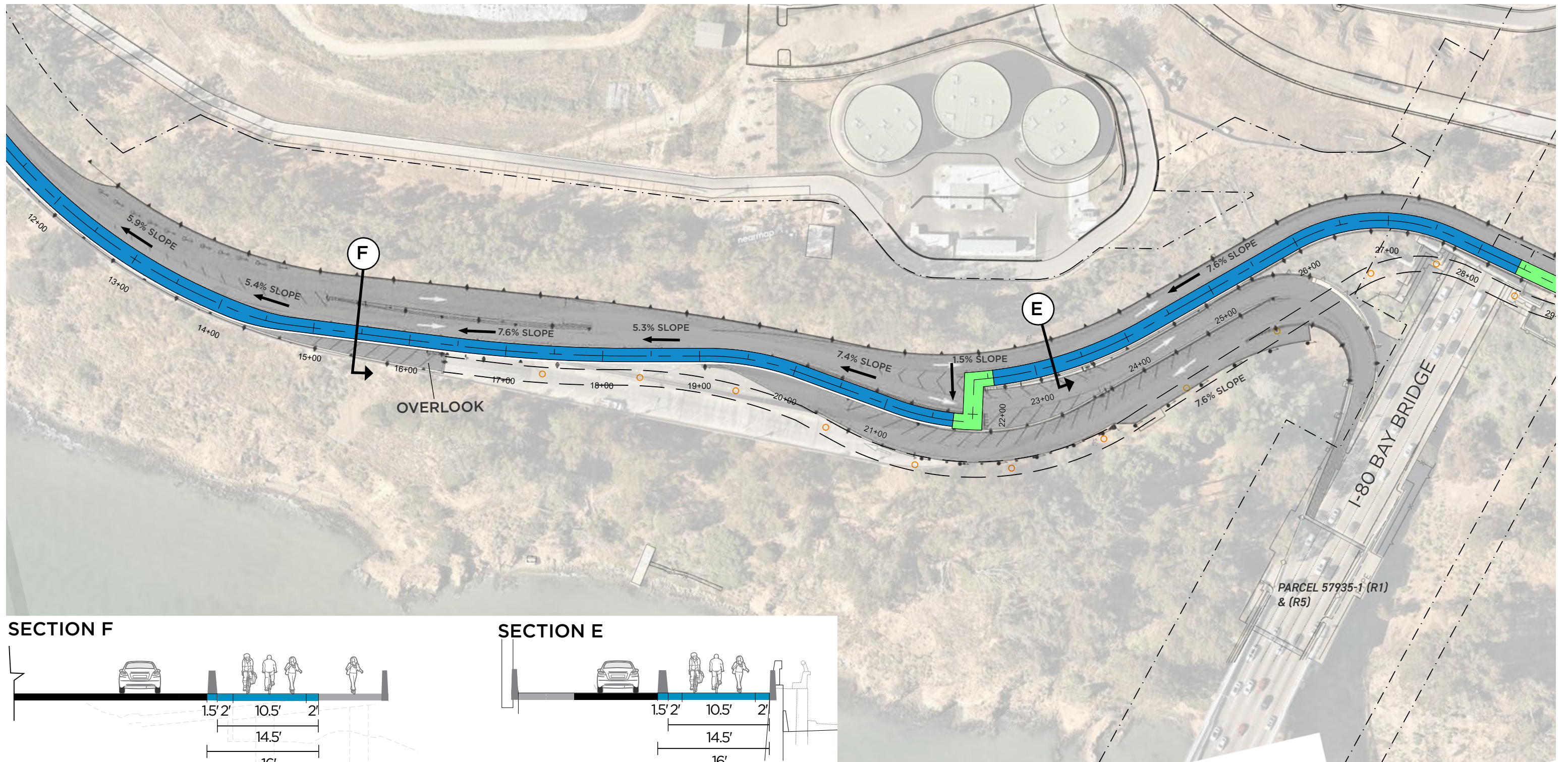
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- Path Alignment
  - Landings
  - ROW/ Easement
  - Foundations for MUP to be constructed in the future
- \*Note: ROW & Easement boundaries informed by CAD data and CALTRANS ROW Appraisal Map.*



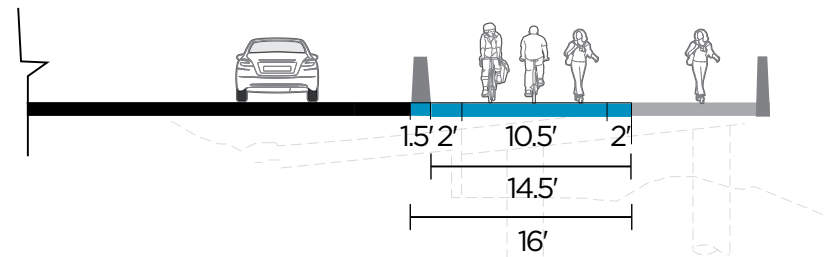
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## Segment 2: Hillcrest Rd

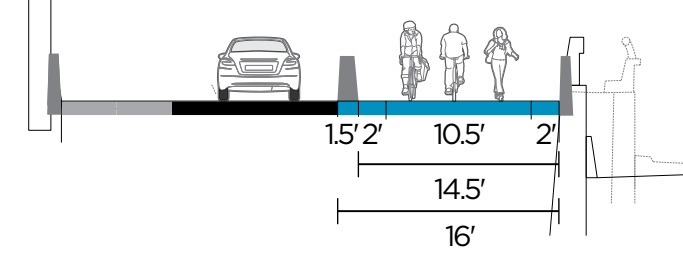




**SECTION F**



**SECTION E**



**LEGEND**

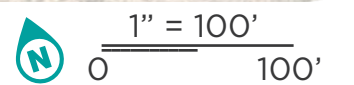
Path Alignment

Landings

ROW/ Easement

Foundations for MUP to be constructed in the future

\*Note: ROW & Easement boundaries informed by CAD data and CALTRANS ROW Appraisal Map.

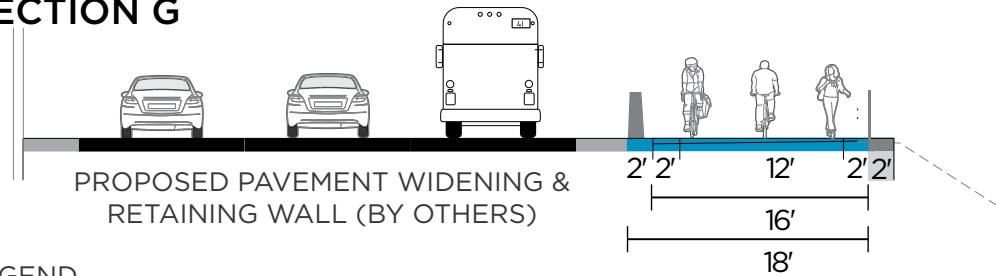


# Segment 3: Westside Bridges





**SECTION G**



**LEGEND**

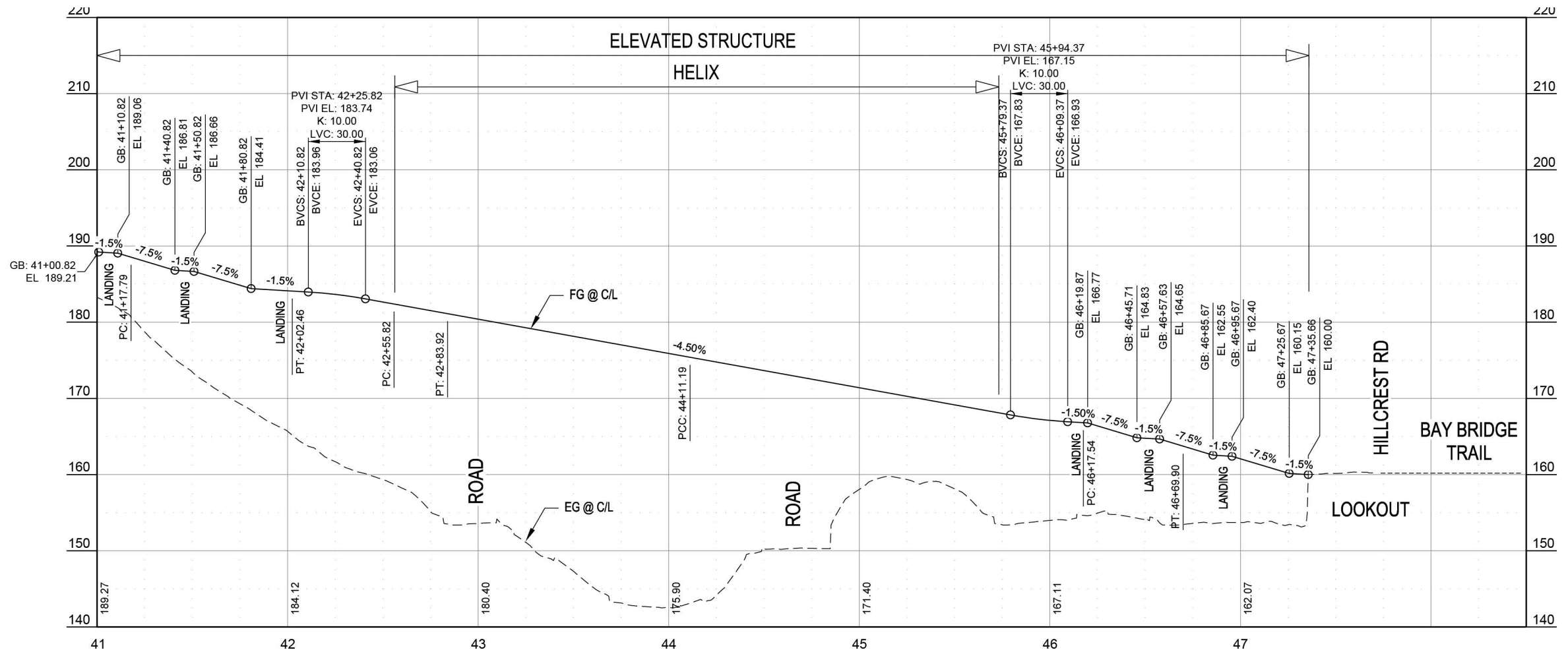
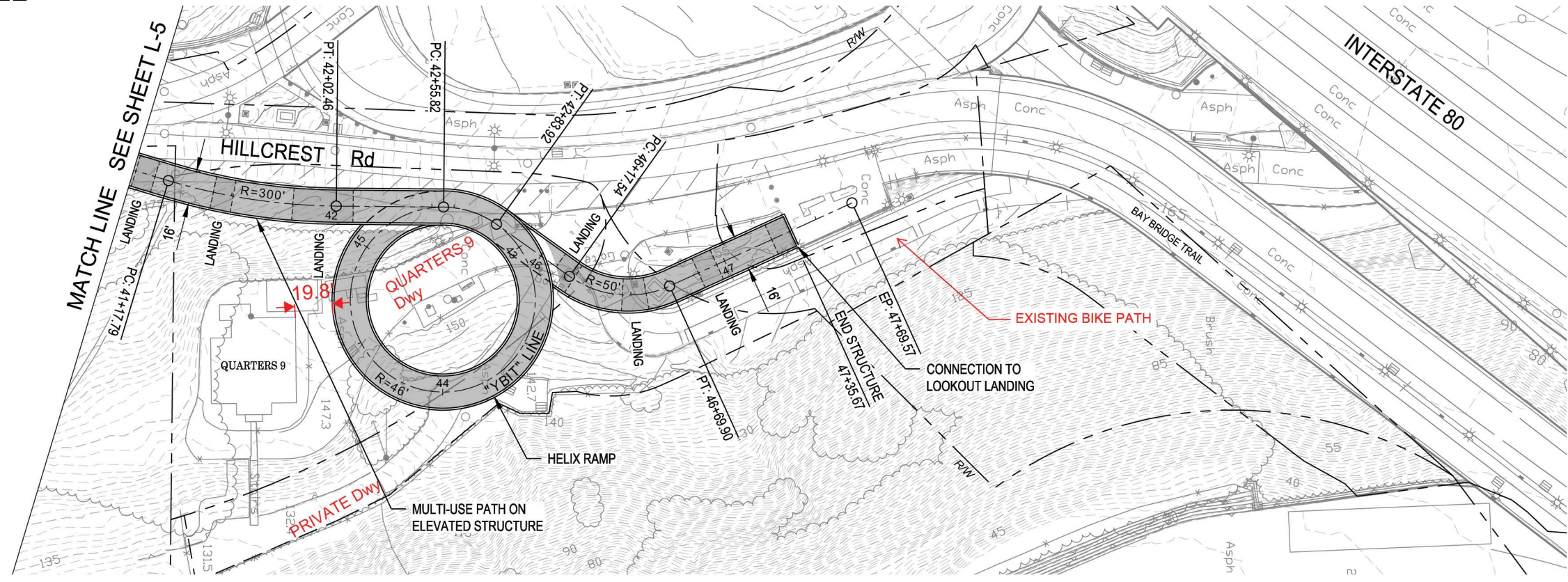
- Path Alignment
- Landings
- ROW/ Easement \*Note: ROW & Easement boundaries informed by CAD data and CALTRANS ROW Appraisal Map.
- Foundations for MUP to be constructed in the future



1" = 100'  
0 100'

**Segment 4: TICD**







CONCEPTUAL RENDERING  
LOOKING NORTHEAST ON HILLCREST RD.



IN PROGRESS DRAFT

Segment 1: Hillcrest Rd



CONCEPTUAL RENDERING  
LOOKING SOUTH ON HILLCREST RD.



Segment 1: Hillcrest Rd

## **Attachment 2**

### **YBI Hillcrest YBI Multi-Use Path Related Plans**



**CITY AND COUNTY OF SAN FRANCISCO  
DEPARTMENT OF PUBLIC WORKS**

**HILLCREST ROAD IMPROVEMENT PROJECT PLANS  
FOR CONSTRUCTION ON  
YERBA BUENA ISLAND  
IN SAN FRANCISCO COUNTY  
IN SAN FRANCISCO  
ON TREASURE ISLAND ROAD AND HILLCREST ROAD  
BETWEEN 0.3 MILE SOUTH OF MACALLA ROAD  
AND 0.1 MILE NORTH OF FOREST ROAD**

TO BE SUPPLEMENTED BY CALTRANS STANDARD PLANS DATED 2023



**INDEX OF PLANS**

SHEET No.	SHEET NAME	DESCRIPTION
<b>ROADWAY PLANS</b>		
1	TITLE	TITLE AND LOCATION MAP
2-7	A-2 TO A-6	ABBREVIATIONS AND LEGEND
8	K-1	KEY MAP
9	PC-1	PROJECT CONTROL
10-14	X-1 TO X-5	TYPICAL CROSS SECTIONS
15-18	L-1 TO L-4	LAYOUT
19	PS-1	PROFILE AND SUPERELEVATION DIAGRAM
20-26	C-1 TO C-7	CONSTRUCTION DETAILS
27	WPC-1	TEMPORARY WATER POLLUTION CONTROL PLAN
28	WPCQ-1	TEMPORARY WATER POLLUTION CONTROL QUANTITIES
29-32	G-1 TO G-4	CONTOUR GRADING
33-35	D-1 TO D-3	DRAINAGE PLAN
36-38	DP-1 TO DP-3	DRAINAGE PROFILES
39-44	DD-1 TO DD-6	DRAINAGE DETAILS
45	DO-1	DRAINAGE QUANTITIES
46-49	U-1 TO U-4	UTILITY PLAN
50-51	UD-1 TO UD-2	UTILITY DETAILS
52	MI-1	MOTORIST INFORMATION
53-54	TH-1 TO TH-2	TRAFFIC HANDLING
55	THQ-1	TRAFFIC HANDLING QUANTITIES
56-59	PD-1 TO PD-4	PAVEMENT DELINEATION PLAN
60-61	PDD-1 TO PDD-2	PAVEMENT DELINEATION DETAILS
62	PDO-1	PAVEMENT DELINEATION QUANTITIES
63-66	S-1 TO S-4	SIGN PLAN
67	SD-1	SIGN DETAILS
68-69	SO-1 TO SO-2	SIGN QUANTITIES
69-71	O-1 TO O-2	SUMMARY OF QUANTITIES
72	EC-1	EROSION CONTROL PLAN
73	ECQ-1	EROSION CONTROL QUANTITIES

**STREET LIGHTING PLANS**

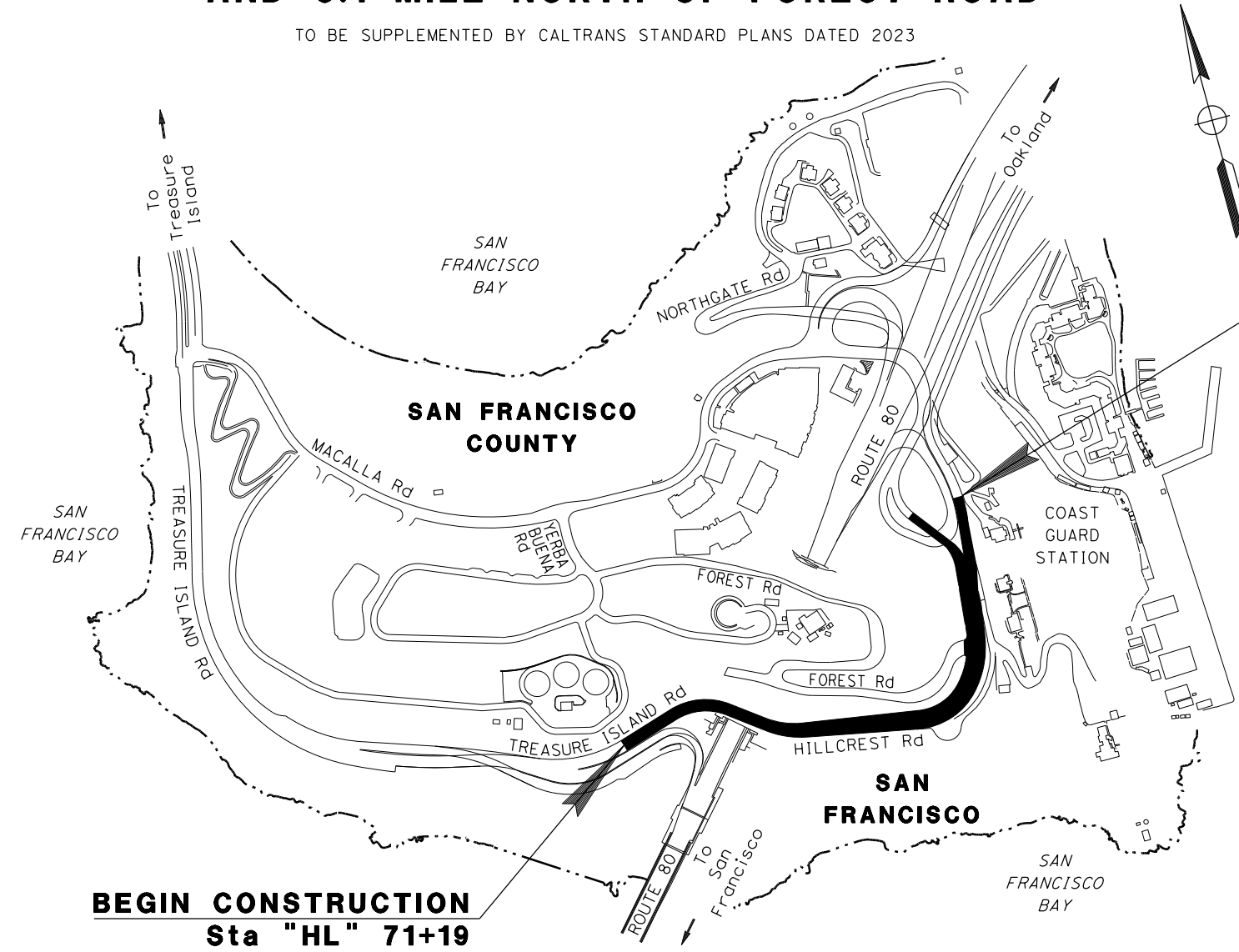
74	SL-1	NOTES AND LEGEND
75	SL-2	LIGHTING (CITY STREET)
76	SL-3	REMOVING LIGHTING SYSTEM (CITY)
77	SL-4	TEMPORARY LIGHTING SYSTEM (CITY)
78-80	SL-5 TO SL-7	ELECTRICAL SYSTEMS DETAILS
81	SL-8	PHOTOMETRIC PLAN

**SUBSTRUCTURE PLANS**

82-86	JT1.0 TO JT5.0	JOINT TRENCH
87-91	EH1.0 TO EH5.0	ELECTRIC SUBSTRUCTURE
92	E1.0	ELECTRIC STREETLIGHT CONNECTION
93-95	ES1.0 TO ES3.0	ELECTRIC CABLE AND DEVICES
96-98	DT1.0 TO DT3.0	DT SUBSTRUCTURE

**STRUCTURE PLANS**

99-123	RW1H-1 TO RW1H-25	RETAINING WALL NO. 1H
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**END CONSTRUCTION  
Sta "HL" 89+05**

**BEGIN CONSTRUCTION  
Sta "HL" 71+19**

THE CALTRANS STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

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

		1-24-24 PLANS SUBMITTAL DATE
	1-24-24 PLANS APPROVAL DATE	WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**WMH**

1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
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SAN FRANCISCO COUNTY  
TRANSPORTATION AUTHORITY (SFCTA)  
100 VAN NESS AVENUE, 26TH FLOOR  
SAN FRANCISCO, CA 94102  
(415) 522-4800 (PHONE)  
(415) 522-4829 (FAX)  
www.sfcta.org

CITY AND COUNTY OF SAN FRANCISCO  
DEPARTMENT OF PUBLIC WORKS  
1 DR. CARLTON B. GOODLETT PLACE  
CITY HALL, ROOM 348  
SAN FRANCISCO, CA 94102  
(415) 554-6920 (PHONE)  
(415) 554-6944 (FAX)  
www.sfdpw.org

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1-24-24	TIME PLOTTED => 2:27:44 PM	

A

AB AGGREGATE BASE
ABBC ASBESTOS BONDED BITUMINOUS COATED
ABM AIR-BLOWN MORTAR
Abn ABANDON
ABS ACRYLONITRILE-BUTADIENE-STYRENE
Abut ABUTMENT
AC ASPHALT CONCRETE
AC+ UNGROUNDED CONDUCTOR
ACB ASPHALT CONCRETE BASE
ACC ARMOR-CLAD CONDUCTORS
ACP ASBESTOS CEMENT PIPE
Adj ADJUST, ADJUSTABLE, ADJACENT
ADL ADDED DEAD LOAD
ADT AVERAGE DAILY TRAFFIC
AFES ALTERNATIVE FLARED END SECTION
Ahd AHEAD
AIC AUXILIARY IRRIGATION CONTROLLER
Alt ALTERNATE, ALTERNATIVE
AM TIME FROM MIDNIGHT TO NOON
Amend AMENDMENT
AP ALTERNATIVE PIPE
APC ALTERNATIVE PIPE CULVERT
Approx APPROXIMATE
APS ACCESSIBLE PEDESTRIAN SIGNAL
APU ALTERNATIVE PIPE UNDERDRAIN
ARS ACCELERATION RESPONSE SPECTRUM
ARV AIR RELEASE VALVE
AS AGGREGATE SUBBASE
ASP ALTERNATIVE SLOTTED PIPE
ASRP ALUMINUM SPIRAL RIB PIPE
Assy ASSEMBLY
ATPB ASPHALT TREATED PERMEABLE BASE
ATPM ASPHALT TREATED PERMEABLE MATERIAL
Auto AUTOMATIC
Aux AUXILIARY
AVB ATMOSPHERIC VACUUM BREAKER
Ave AVENUE
Avg AVERAGE

B

B & B BALLED AND BURLAPPED
BAGR BRIDGE APPROACH GUARD RAILING
Batt BATTERY
BB BEGINNING OF BRIDGE
B/B BRASS/BRONZE
B/B/PI BRASS/BRONZE/PLASTIC
B-B BACK-TO-BACK
BBS BATTERY BACKUP SYSTEM
BC BEGIN HORIZONTAL CURVE, BOLT CIRCLE
BCR BEGIN CURB RETURN
Beg BEGIN
BFM BONDED FIBER MATRIX
Bit Ctd BITUMINOUS COATED

B continued

Bk BACK
Bkf BACKFILL
Bldg BUILDING
Blk BLACK
BLM BRIDGE-LOG MILE
Blvd BOULEVARD
BM BENCH MARK
BMP BEST MANAGEMENT PRACTICE
Bot BOTTOM
BP BOOSTER PUMP, BYPASS
BPA BACKFLOW PREVENTER ASSEMBLY
BPB BICYCLE PUSH BUTTON
BPE BACKFLOW PREVENTER ENCLOSURE
B/PI BRASS/PLASTIC
Br BRIDGE
BrG BEARING
BTU BRITISH THERMAL UNIT
BV BALL VALVE
BVC BEGIN VERTICAL CURVE
BW BARBED WIRE

C

C CONDUIT, CHANNEL (STRUCTURAL STEEL SHAPE)
CAA CABLE ANCHOR ASSEMBLY
CAP CORRUGATED ALUMINUM PIPE
CAPA CORRUGATED ALUMINUM PIPE ARCH
CARV COMBINATION AIR RELEASE VALVE
CAS CONSTRUCTION AREA SIGN
CB CONCRETE BARRIER, CIRCUIT BREAKER, COUPLING BAND, COMPOST BERM
CBW CONCRETE BLOCK WALL
C-C CENTER TO CENTER
CCA CAM COUPLER ASSEMBLY
CCTV CLOSED CIRCUIT TELEVISION
CEC CONTROLLER ENCLOSURE CABINET
CG CENTER OF GRAVITY
CHDPE CORRUGATED HIGH DENSITY POLYETHYLENE
Chnl CHANNEL
CI CAST IRON
CIDH CAST-IN-DRILLED-HOLE
CIP CAST-IN-PLACE, CAST IRON PIPE
CIPCP CAST IN PLACE CONCRETE PIPE
CISS CAST-IN-STEEL-SHELL
CJP COMPLETE JOINT PENETRATION
Ckt CIRCUIT
CL CHAIN LINK
CL-6 CHAIN LINK FENCE (6 FT)
Cl CLASS
Clr CLEAR, CLEARANCE
CM CENTER MARGIN LIGHT
CMP CORRUGATED METAL PIPE

C continued

CMS CHANGEABLE MESSAGE SIGN
CNC CONTROL AND NEUTRAL CONDUCTORS
Cntl CONTROL
Co COUNTY
Col COLUMN
Comm COMMUNICATION
Conc CONCRETE
Conn CONNECTOR
Const CONSTRUCT, CONSTRUCTION
Cont CONTINUOUS
Coord COORDINATE
CP CANDLEPOWER, CATCH POINT, COPPER PIPE
Cr CREEK
CRCP CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
CRSP CONCRETED ROCK SLOPE PROTECTION
CS COMPOST SOCK
CSP CORRUGATED STEEL PIPE
CSPA CORRUGATED STEEL PIPE ARCH
CST CENTER STRIP
Ct COURT
CTB CEMENT TREATED BASE
CTID CALTRANS IDENTIFICATION
CTPB CEMENT TREATED PERMEABLE BASE
CTPM CEMENT TREATED PERMEABLE MATERIAL
Ctrs CENTERS
Culv CULVERT
CV CHECK VALVE

D

D DEPTH, DIRECTION (IN PERCENT) OF HEAVIER TRAFFIC FLOW
Dbi DOUBLE
DD DOWNDRAIN
Deg DEGREE
Del DELINEATOR
Det DETAIL, DETOUR
DF DOUGLAS FIR
DG DECOMPOSED GRANITE
DHV DESIGN HOURLY VOLUME
DI DRAINAGE INLET, DROP INLET
Dia DIAMETER
Diaph DIAPHRAGM
DIP DUCTILE IRON PIPE
Dist DISTANCE, DISTRICT
DIT DRIP IRRIGATION TUBING
DLC LOOP DETECTOR LEAD-IN CABLE
DMBB DOUBLE METAL BEAM BARRIER
DN DIAMETER NOMINAL
Dr DRIVE
DTBB DOUBLE THRIE BEAM BARRIER
DVA DRIP VALVE ASSEMBLY
Dwy DRIVEWAY

E

E EAST
Ease EASEMENT
EB END OF BRIDGE, EASTBOUND
EC END HORIZONTAL CURVE, EROSION CONTROL
ECR END CURB RETURN
ECTC EROSION CONTROL TECHNOLOGY COUNCIL
ED EDGE DRAIN
EDC EDGE DRAIN CLEANOUT
EDO EDGE DRAIN OUTLET
EDV EDGE DRAIN VENT
Elec ELECTROLIER
Elect ELECTRIC, ELECTRICAL
Elev ELEVATION
EII ELBOW
Emb EMBANKMENT
EMS EXTINGUISHABLE MESSAGE SIGN
Encl ENCLOSURE
Engr ENGINEER
EOD EDGE OF DECK
EP EDGE OF PAVEMENT
Eq EQUATION
ERS EARTH RETAINING STRUCTURE
ES EDGE OF SHOULDER
ESA ENVIRONMENTALLY SENSITIVE AREA
ESAL EQUIVALENT SINGLE AXLE LOADS
EST END STRIP
Estb ESTABLISHMENT
ETW EDGE OF TRAVELED WAY
EVC END VERTICAL CURVE
EVUC EMERGENCY VEHICLE UNIT CABLE
EVUD EMERGENCY VEHICLE UNIT DETECTOR
EW ENDWALL
Exc EXCAVATION
Exist EXISTING
Exp EXPANSION
Exp Jt EXPANSION JOINT
Ext EXTERIOR
Exwy EXPRESSWAY

F

F FILL, FULL CIRCLE
F & C FRAME AND COVER
F & G FRAME AND GRATE
FB FLOOR BEAM, FLASHING BEACON
FBE FLASHING BEACON ENCLOSURE
FBS FLASHING BEACON WITH SLIP BASE
FCV FLOW CONTROL VALVE
Fdn FOUNDATION
FEBT FACING EASTBOUND TRAFFIC FERTILIZER
Fert FERTILIZER
FES FLARED END SECTION
FF FILTER FABRIC
FG FINISH GRADE
FH FIRE HYDRANT, FLEXIBLE HOSE
Fig FIGURE
FIPT FEMALE IRON PIPE THREAD
FIS FERTILIZER INJECTOR SYSTEM
FL FLOW LINE
FNBT FACING NORTHBOUND TRAFFIC
FO FIBER OPTIC
FOB FREE ON BOARD
FOC FACE OF CONCRETE
F/P FULL/PART CIRCLE
FR FIBER ROLL
Fr Rd FRONTAGE ROAD
FS FAR SIDE, FINISHED SURFACE, FLOW SENSOR
FSBT FACING SOUTHBOUND TRAFFIC
FSC FLOW SENSOR CABLE
Ftg FOOTING
FV FLUSH VALVE
FWBT FACING WESTBOUND TRAFFIC
Fwy FREEWAY

SLOPES, FLARES, AND TAPERS:

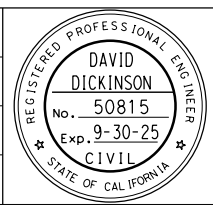
- 1. Side slopes: X:Y - horizontal:vertical
2. Flares and tapers: X:Y - longitudinal:lateral

ABBREVIATIONS

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Table with 3 columns: NO., DATE, DESCRIPTION, BY, APP. and PROJECT DESCRIPTION: YERBA BUENA ISLAND HILLCREST ROAD IMPROVEMENT PROJECT

DESIGNED BY: S. DWYER
DRAWN BY: S. DWYER
CHECKED BY: D. DICKINSON
APPROVED BY: D. DICKINSON



REGISTERED CIVIL ENGINEER
1-24-24
PLANS SUBMITTAL DATE
1-24-24
PLANS APPROVAL DATE

WMH logo and contact information: 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607



Table with metadata: USERNAME => sdwyer, CADD FILENAME => YB1Hac001.dgn, CONTRACT NO. 23/24-07, SHEET NAME A-1, SHEET NO. 2, TOTAL SHEETS 123

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G

G GROOVE, EQUIPMENT GROUNDING CONDUCTOR
g ACCELERATION DUE TO GRAVITY
Ga GAUGE
Galv GALVANIZED
GARV GARDEN VALVE
GARVA GARDEN VALVE ASSEMBLY
GB GROUND BUS
GFCI GROUND FAULT CIRCUIT INTERRUPTER
GM GRAVEL MULCH
GP GRADING PLANE
GPH GALLONS PER HOUR
GPM GALLONS PER MINUTE
GR GUARD RAILING
Grn GREEN
GSP GALVANIZED STEEL PIPE
Gtr GUTTER
GV GATE VALVE

H

H HEIGHT, HALF CIRCLE
HAR HIGHWAY ADVISORY RADIO
h, hr HOUR
HD HORIZONTAL DRAIN
HDPE HIGH DENSITY POLYETHYLENE
hdwl HEADWALL
Hex HEXAGONAL
Hex Hd HEXAGONAL HEAD
HMA HOT MIX ASPHALT
Horiz HORIZONTAL
HOV HIGH OCCUPANCY VEHICLE
HP HINGE POINT, HORSEPOWER
HPL HIGH PRESSURE LINE
HPS HIGH PERFORMANCE STEEL, HIGH PRESSURE SODIUM
HS HIGH STRENGTH
HSS HOLLOW STRUCTURAL SECTION
HW HEADWALL, HIGH WATER
HWM HIGH WATER MARK
Hwy HIGHWAY

I

IB IMPORTED BORROW
IC IRRIGATION CONTROLLER
ICC IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET
ID INSIDE DIAMETER
IF INSIDE FACE
IFS IRRIGATION FILTRATION SYSTEM
IISNS INTERNALLY ILLUMINATED STREET NAME SIGN
Int INTERIOR
Inv INVERT
IPS IRON PIPE SIZE
IPT IRON PIPE THREAD
Irr IRRIGATION
ISL INDUCTION SIGN LIGHTING

J

Jct JUNCTION
JP JOINT POLE
JPCP JOINTED PLAIN CONCRETE PAVEMENT
JS JUNCTION STRUCTURE
Jt JOINT

K

L

L LENGTH, ANGLE (STRUCTURAL STEEL SHAPE)
Lat LATITUDE
LCB LEAN CONCRETE BASE
LED LIGHT EMITTING DIODE
LMA LUMINAIRE MAST ARM
Ln LANE
Loc LOCATION
LOL LAYOUT LINE
Long LONGITUDE
Longit LONGITUDINAL
LOW LIMIT OF WORK
LPS LOW PRESSURE SODIUM
LS LUMP SUM
Lt LEFT
Ltg LIGHTING
Lum LUMINAIRE

M

M METERED
Maint MAINTENANCE
MAS MAST ARM MOUNTING SIDE ATTACHMENT
MAT MAST ARM MOUNTING TOP ATTACHMENT
Max MAXIMUM
MB METAL BEAM
MBB METAL BEAM BARRIER
MBGR METAL BEAM GUARD RAILING
MBPS MANUAL BYPASS SWITCH
MCV MANUAL CONTROL VALVE
Med MEDIAN
MGS MIDWEST GUARDRAIL SYSTEM
MH MANHOLE
MIC MASTER IRRIGATION CONTROLLER
Min MINIMUM
MIPt MALE IRON PIPE THREAD
Misc MISCELLANEOUS
Misc I & S MISCELLANEOUS IRON AND STEEL
Mkr MARKER
M/M MULTIPLE TO MULTIPLE TRANSFORMER
Mod MODIFIED, MODIFY
Mon MONUMENT
MP METAL PLATE
MPGR METAL PLATE GUARD RAILING
MR MOVEMENT RANGE
MSE MECHANICALLY STABILIZED EMBANKMENT
Mt MOUNTAIN, MOUNT

M continued

Mtg MOUNTING
Mtl MATERIAL
MV MERCURY VAPOR LIGHTING FIXTURE
MVDS MICROWAVE VEHICLE DETECTION SYSTEM
MVP MAINTENANCE VEHICLE PULLOUT

N

N NORTH, NEUTRAL (GROUNDED CONDUCTOR)
NB NORTHBOUND, NEUTRAL BUS
NC NORMALLY CLOSE
NCN NO COMMON NAME
NL NOZZLE LINE
NO NORMALLY OPEN
No. NUMBER (MUST HAVE PERIOD)
Nos. NUMBERS (MUST HAVE PERIOD)
NPS NOMINAL PIPE SIZE
NPT NATIONAL PIPE THREAD
NS NEAR SIDE
NTS NOT TO SCALE

O

Obir OBLITERATE
OC OVERCROSSING
O/C ON CENTER
OD OUTSIDE DIAMETER
OF OUTSIDE FACE
OG ORIGINAL GROUND
OGAC OPEN GRADED ASPHALT CONCRETE
OGFC OPEN GRADED FRICTION COURSE
OH OVERHEAD
OHWM ORDINARY HIGH WATER MARK
OL OVERLAP
O-O OUT TO OUT
Opp OPPOSITE
OSD OVERSIDE DRAIN

P

P PAGE, PITCH, PART CIRCLE, NUMBER OF POLES FOR A CIRCUIT BREAKER
PAP PERFORATED ALUMINUM PIPE
PB PULL BOX
PBA PUSH BUTTON ASSEMBLY
PC POINT OF CURVATURE, PRECAST
PCC POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS PORTABLE CHANGEABLE MESSAGE SIGN
PCP PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC POINT OF COMPOUND VERTICAL CURVE
PE POLYETHYLENE

P continued

PEC PERMIT TO ENTER AND CONSTRUCT, PHOTOELECTRIC CONTROL
Ped PEDESTRIAN
Perm MtI PERMEABLE MATERIAL
PEU PHOTOELECTRIC UNIT
PG PROFILE GRADE
PI POINT OF INTERSECTION
PJP PARTIAL JOINT PENETRATION
Pkt PACKET
PkwY PARKWAY
PL PLATE
PI PLASTIC
P/L PROPERTY LINE
PLS PURE LIVE SEED
Pit PLANT, PLANTING
Pit Estb PLANT ESTABLISHMENT
PM POST MILE, TIME FROM NOON TO MIDNIGHT
PN PAVING NOTCH
POC POINT OF HORIZONTAL CURVE, PEDESTRIAN OVERCROSSING
POINT OF TANGENT
POINT OF VERTICAL CURVE
PIPE PILE, PLASTIC PIPE, POWER POLE
PPL PREFORMED PERMEABLE LINER
PPP PERFORATED PLASTIC PIPE
PR PRESSURE RATED
PRC POINT OF REVERSE CURVE
PRF PAVEMENT REINFORCING FABRIC
PRLV PRESSURE RELIEF VALVE
PRV PRESSURE REGULATING VALVE
PRVC POINT OF REVERSE VERTICAL CURVE
PSD PRIVATE STORM DRAIN
PS&E PLANS, SPECIFICATIONS AND ESTIMATES
PS PRESTRESSED
P/S PRESTRESSED
PSP PERFORATED STEEL PIPE
PT POINT OF TANGENCY, CONDUIT WITH PULL TAPE
PTR POWER TRANSFER RELAY
PUC PEDESTRIAN UNDERCROSSING
PVC POLYVINYL CHLORIDE
Pvmt PAVEMENT

Q

Q QUARTER CIRCLE
OCV QUICK COUPLING VALVE
Qty QUANTITY

R

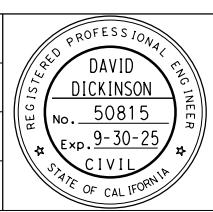
R RADIUS
R & D REMOVE AND DISPOSE
R & S REMOVE AND SALVAGE
R/C RATE OF CHANGE
RCA REINFORCED CONCRETE ARCH
RCB REINFORCED CONCRETE BOX
RCP REINFORCED CONCRETE PIPE
RCPA REINFORCED CONCRETE PIPE ARCH
RCV REMOTE CONTROL VALVE
RCVM REMOTE CONTROL VALVE (MASTER)
RCVMF REMOTE CONTROL VALVE (MASTER) W/FLOW SENSOR
RCVP REMOTE CONTROL VALVE W/PRESSURE REGULATOR
RCW RECYCLED WATER
Rd ROAD
Rdwy ROADWAY
RE RELOCATED EQUIPMENT
RECP ROLLED EROSION CONTROL PRODUCT
Reinf REINFORCED, REINFORCEMENT, REINFORCING

ABBREVIATIONS

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Table with 3 columns: NO., DATE, DESCRIPTION, BY APP. and PROJECT DESCRIPTION.

DESIGNED BY: S. DWYER
DRAWN BY: S. DWYER
CHECKED BY: D. DICKINSON
APPROVED BY: D. DICKINSON



REGISTERED CIVIL ENGINEER
1-24-24
PLANS SUBMITTAL DATE
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PLANS APPROVAL DATE

WMH logo and contact information: 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607

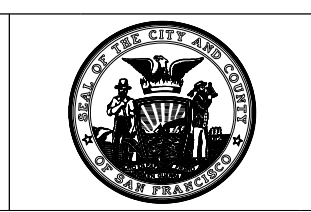
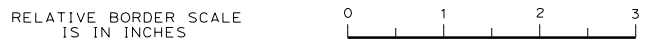


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**R continued**

**Rel** RELOCATE  
**Repl** REPLACEMENT  
**Req** REQUIRED  
**Ret** RETAINING  
**Rev** REVISED, REVISION  
**RHMA** RUBBERIZED HOT MIX ASPHALT  
**RICS** REMOTE IRRIGATION CONTROL SYSTEM  
**Riv** RIVER  
**RM** ROAD-MIXED, RAMP METERING  
**RP** RADIUS POINT, REFERENCE POINT  
**RR** RAILROAD  
**RSP** ROCK SLOPE PROTECTION, REVISED STANDARD PLAN  
**R+** RIGHT  
**Rte** ROUTE  
**RW** REDWOOD, RETAINING WALL  
**R/W** RIGHT OF WAY  
**RWIS** ROADSIDE WEATHER INFORMATION SYSTEM  
**Rwy** RAILWAY

**S**

**S** SOUTH, SLIP, SUPPLEMENT  
**SAE** STRUCTURE APPROACH EMBANKMENT  
**Salv** SALVAGE  
**SAPP** STRUCTURAL ALUMINUM PLATE PIPE  
**SB** SOUTHBOUND, SLIP BASE  
**SC** SAND CUSHION  
**S/C** SAW CUT LINE  
**Sch** SCHEDULE  
**SCSP** SLOTTED CORRUGATED STEEL PIPE  
**SD** STORM DRAIN  
**Sec** SECOND, SECTION  
**Sep** SEPARATION  
**SG** SUBGRADE  
**Shld** SHOULDER  
**Sh+** SHEET  
**SIC** SIGNAL INTERCONNECT CABLE  
**Sig** SIGNAL  
**Sim** SIMILAR  
**SM** SELECTED MATERIAL  
**SMA** SIGNAL MAST ARM  
**SNS** STREET NAME SIGN  
**SP** STAND PIPE, SERVICE POINT

**S continued**

**Spec** SPECIAL, SPECIFICATION(S)  
**SPP** SLOTTED PLASTIC PIPE  
**Sq** SQUARE  
**SS** SLOPE STAKE  
**SSBM** STRAP AND SADDLE BRACKET METHOD  
**SSD** STRUCTURAL SECTION DRAIN  
**SSPA** STRUCTURAL STEEL PLATE ARCH  
**SSPP** STRUCTURAL STEEL PLATE PIPE  
**SSPPA** STRUCTURAL STEEL PLATE PIPE ARCH  
**SSRP** STEEL SPIRAL RIB PIPE  
**SST** SIDE STRIP  
**St** STREET  
**Sta** STATION  
**STBB** SINGLE THRIE BEAM BARRIER  
**Std** STANDARD  
**Str** STRUCTURE  
**Surf** SURFACING  
**SW** SIDEWALK, SOUND WALL  
**Swr** SEWER  
**Sym** SYMMETRICAL  
**S4S** SURFACE 4 SIDES

**T**

**T** SEMI-TANGENT, THIRD CIRCLE, THREAD, TRUCK TRAFFIC VOLUME (IN PERCENT) OF DESIGN HOURLY VOLUME  
**Tan** TANGENT  
**TB** TERMINAL BOARD  
**TBB** THRIE BEAM BARRIER  
**Tbr** TIMBER  
**T&B** TOP AND BOTTOM  
**TCB** TRAFFIC CONTROL BOX  
**TCE** TEMPORARY CONSTRUCTION EASEMENT  
**TDC** TELEPHONE DEMARCATION CABINET  
**Temp** TEMPORARY, TEMPERATURE, TEMPERED  
**TG** TOP OF GRADE  
**TI** TRAFFIC INDEX  
**TLS** TRUCK LOADING STAND PIPE  
**TMS** TRAFFIC MONITORING STATION  
**TOS** TRAFFIC OPERATIONS SYSTEM  
**To+** TOTAL  
**TP** TELEPHONE POLE  
**TPB** TREATED PERMEABLE BASE  
**TPM** TREATED PERMEABLE MATERIAL  
**TO** THREE-QUARTER CIRCLE  
**Trans** TRANSITION

**T continued**

**TRM** TURF REINFORCEMENT MAT  
**TS** TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL  
**TT** TWO-THIRDS CIRCLE  
**TWSA** TREE WELL SPRINKLER ASSEMBLY  
**Typ** TYPICAL  
**UC** UNDERCROSSING  
**UD** UNDERDRAIN  
**UG** UNDERGROUND  
**UON** UNLESS OTHERWISE NOTED  
**UP** UNDERPASS  
**UPS** UNINTERRUPTIBLE POWER SUPPLY  
**UPSC** UNINTERRUPTIBLE POWER SUPPLY CONTROLLER  
**UPSM** UPS MODE  
**U**  
**V** VALVE, DESIGN SPEED  
**Var** VARIABLE, VARIES  
**VC** VERTICAL CURVE  
**VCP** VITRIFIED CLAY PIPE  
**Veh** VEHICLE  
**Vert** VERTICAL  
**Via** VIADUCT  
**VIVDS** VIDEO IMAGE VEHICLE DETECTION SYSTEM  
**Vol** VOLUME  
**W** WEST, WIDTH  
**W/** WITH  
**W/O** WITHOUT  
**WB** WESTBOUND  
**WH** WEEP HOLE  
**Wh+** WHITE  
**WIM** WEIGH-IN-MOTION  
**WM** WIRE MESH, WATER METER  
**WS** WATER SURFACE, WYE STRAINER  
**WSA** WYE STRAINER ASSEMBLY  
**WSP** WELDED STEEL PIPE  
**W+** WEIGHT  
**WV** WATER VALVE  
**WW** WINGWALL  
**WWLOL** WINGWALL LAYOUT LINE  
**WWM** WELDED WIRE MESH

**U**

**V**

**W**

**X**

**Xfmr** TRANSFORMER  
**X Sec** CROSS SECTION  
**Xing** CROSSING

**Y**

**Yr** YEAR  
**Yrs** YEARS

**Z**

**UNITS OF MEASUREMENT:**

Some of the units used in the project plan quantity tables and in the Bid Item List are:

**TABLE A**

UNIT	DEFINITION
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
LNMI	LANE MILE
LS	LUMP SUM
SOFT	SQUARE FOOT
SOYD	SQUARE YARD
STA	100 FEET
TON	2,000 POUNDS

Some of the units used in the plans other than in the project plan quantity tables are:

**TABLE B**

UNIT	DEFINITION
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft <sup>3</sup> , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
oz	OUNCE
lb	POUND
kip	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

\* For use on a sign panel only

Some of the units used in the Electrical plans are:

**TABLE C**

UNIT	DEFINITION
A	AMPERE
bps	BITS PER SECOND
Bps	BYTES PER SECOND
FC	FOOT-CANDLE
HZ	HERTZ
k *	KILO
kV	KILOVOLT
kVA	KILOVOLT-AMPERE
kW	KILOWATT
M *	MEGA
m *	MILLI
mA	MILLIAMPERE
min	MINUTE
p *	PICO
s	SECOND
V	VOLT
VA	VOLT-AMPERE
V(ac)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
W	WATT
Ω	OHM
μ *	MICRO

\* Prefix to a unit

**SYMBOLS:**

Commonly used symbols for U.S. customary units

**TABLE D**

SYMBOL	DEFINITION
@	AT
℄	CENTERLINE
∅	NOMINAL DIAMETER, DIAMETER, PHASE
ℙ	PLATE
℄	STATIONLINE

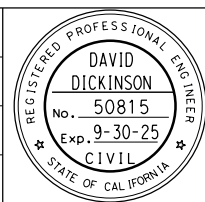
**ABBREVIATIONS**

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NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
 HILLCREST ROAD  
 IMPROVEMENT  
 PROJECT

DESIGNED BY:  
S. DWYER  
 DRAWN BY:  
S. DWYER  
 CHECKED BY:  
D. DICKINSON  
 APPROVED BY:  
D. DICKINSON



*Del. S.*  
 REGISTERED CIVIL ENGINEER  
 1-24-24  
 PLANS APPROVAL DATE

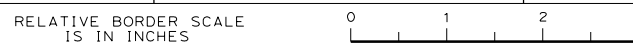
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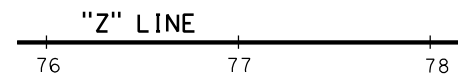
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 CONTRACT NO. 23/24-07  
 SHEET NAME A-3 SHEET NO. 4 TOTAL SHEETS 123  
 LAST REVISION 1-20-24 DATE PLOTTED => 1/29/2024 TIME PLOTTED => 1:34:43 PM

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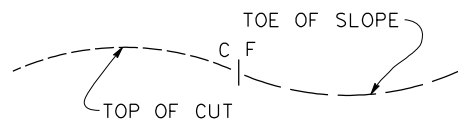


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## SYMBOLOLOGY FOR DESIGN FEATURES



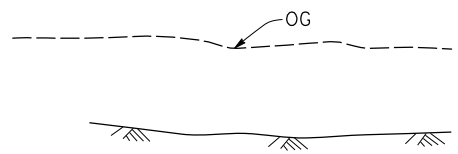
ALIGNMENT LINE  
(STATION LINE)



CATCH LINE FOR CUT AND FILL SLOPES



FINISHED GRADE LINE (USE SOLID LINE)



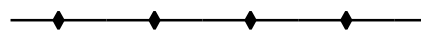
(USED FOR PROFILES AND TYPICAL SECTIONS)

ORIGINAL GROUND LINE

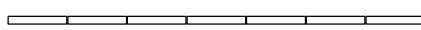
(MAY BE USED ON DETAIL SHEETS)



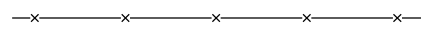
WALL WITH BARRIER



CONCRETE (MEDIAN) BARRIER



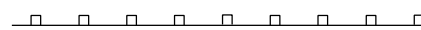
TEMPORARY BARRIER SYSTEM



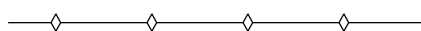
FENCE



EXISTING WALL



EXISTING GUARDRAIL



EXISTING CONCRETE BARRIER



SOLID TRAFFIC LINE



BROKEN TRAFFIC LINE



DIRECTION OF TRAFFIC

## STRIPING AND SIGNING



ROADSIDE SIGN - ONE POST, TWO POSTS (EMBEDDED)



ROADSIDE SIGN - ATTACHED TO ELECTROLIER, SIGNAL STANDARD, SIGN STRUCTURE POST OR BARRIER



EXISTING ROADSIDE SIGN - ONE POST, TWO POSTS (EMBEDDED)



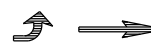
SYMBOL FOR ROADSIDE SIGN NUMBER



SYMBOL FOR TRAFFIC LINE DETAIL



SYMBOL FOR DELINEATOR OR OBJECT MARKER



PAVEMENT MARKING ARROWS

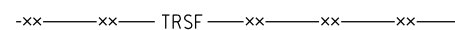


BEGIN OR END OF TRAFFIC STRIPE

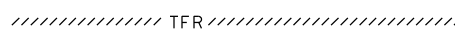


TRANSITION FROM ONE TRAFFIC STRIPE TO ANOTHER

## WATER POLLUTION CONTROL



Temp Reinf SILT FENCE



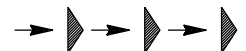
Temp FIBER ROLL



Temp CONCRETE WASHOUT



Temp DRAINAGE INLET PROTECTION



Temp CHECK DAM



Temp CONSTRUCTION ENTRANCE

## RIGHT OF WAY LINE

STATE

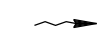
UNITED STATES COASTGUARD

CITY OF SAN FRANCISCO

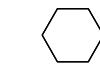
ROADWAY EASEMENT

ACCESS & MAINTENANCE EASEMENT

## DRAINAGE



DIRECTION FLOW OF WATER



DRAINAGE SYSTEM SYMBOL



DRAINAGE UNIT SYMBOL



DRAINAGE INLET



DITCH FLOW LINE

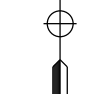
## DRAFTING



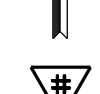
TILDE - DESIGNATES AN AREA



NORTH ARROW



ADDENDUM SHEET SYMBOL  
(ADDENDUM NUMBER IS INCLUDED INSIDE THE SYMBOL)



MATCH LINE



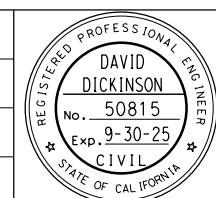
BREAK LINE

## LEGEND

NO.	DATE	DESCRIPTION	BY	APP.

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. S.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer  
CADD FILENAME => YB1Hac004.dgn  
CONTRACT NO. 23/24-07  
SHEET NAME SHEET NO. TOTAL SHEETS  
**A-4 5 123**

BORDER LAST REVISED 1/24/2024

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

ISSUED FOR BID 1-31-24

LAST REVISION DATE PLOTTED => 1/29/2024  
1-19-24 TIME PLOTTED => 1:34:44 PM

**SUBSURFACE FACILITIES**

- NEW WATER
- Exist WATER
- NEW NATURAL GAS
- Exist NATURAL GAS
- NEW SEWER
- Exist SEWER
- NEW ELECTRICAL
- Exist ELECTRICAL
- NEW TELEPHONE
- Exist TELEPHONE
- NEW TELEVISION
- Exist TELEVISION
- NEW TELECOMM CABLE
- Exist TELECOMM CABLE
- NEW STORM DRAIN
- Exist STORM DRAIN
- NEW FIBER OPTIC
- Exist FIBER OPTIC
- NEW JOINT TRENCH
- Exist JOINT TRENCH

**ABANDONED FACILITY**



**EXISTING UTILITY POINT FEATURES**

**EXISTING UTILITY CELL SYMBOLOGY REPRESENTING UTILITY POINT FEATURES**

- CABINET:  
ELECTRICAL, FIBER OPTIC, TELECOMMUNICATION,  
TELEPHONE, TELEVISION
- DRAINAGE INLET:  
SEWER, STORM DRAIN
- FIRE HYDRANT:  
WATER
- METER:  
ELECTRICAL, NATURAL GAS, WATER
- MANHOLE:  
ELECTRICAL, FIBER OPTIC, GAS, JOINT FACILITY,  
NATURAL GAS, OIL, RECYCLED WATER, SEWER,  
STEAM, STORM DRAIN, TELECOMMUNICATION,  
TELEPHONE, TELEVISION, WATER
- POWER POLE:  
ELECTRICAL, FIBER OPTIC, JOINT FACILITY,  
TELECOMMUNICATION, TELEPHONE, TELEVISION
- VAULT:  
ELECTRICAL, JOINT FACILITY

**OVERHEAD FACILITIES**

- NEW ELECTRICAL
- Exist ELECTRICAL
- NEW FIBER OPTIC
- Exist FIBER OPTIC

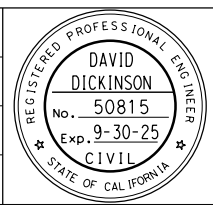
**LEGEND**

C:\Users\sdwyer\Desktop\Desktop\YBI\Hillcrest\CAD\YBI\Hac005.dgn

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. S.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE

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**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer		
CADD FILENAME => YBIHac005.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>A-5</b>	<b>6</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-20-24	TIME PLOTTED => 1:34:45 PM	

BORDER LAST REVISED 1/24/2024

RELATIVE BORDER SCALE IS IN INCHES

**ISSUED FOR BID 1-31-24**

**TOPOGRAPHIC MAPPING LINES AND SYMBOLS**  
**TOPOGRAPHIC MAPPING IS DROPPED OUT ON FINAL CONTRACT PLANS**

-----	CURB
- - - - -	LANE STRIPE
-----	EDGE OF TRAVELED WAY (STATE HIGHWAY)
-----	EDGE OF TRAVELED WAY (OTHER)
-----	EDGE OF ASPHALT (SHOULDER)
-----	CONCRETE
-----	GUARDRAIL
-----	MEDIAN BARRIER
-----	FENCE
-----	MASONRY WALL
-----	MASONRY WALL AND FENCE
-----	RETAINING WALL
-----	RETAINING WALL AND FENCE
-----	RETAINING WALL AND MASONRY WALL
-----	FLOWLINE (NATURAL AND MANMADE)
	EDGE OF BODY OF WATER, SURFACE HATCHED AND SPOT ELEVATION ON SURFACE
	DECK BUILDING COVERED PORCH OR PARKING
	TREES, BRUSH, OR VEGETATION OVER 1/2 CONTOUR INTERVAL IN HEIGHT

**SYMBOLS**  
**ENLARGED FOR CLARITY**

	LEFT TURN LANE ARROW
	HOV LANE (HIGH OCCUPANCY VEHICLE)
	DROP INLET, ROUND DROP INLET
	MANHOLE
	FIRE HYDRANT
	VALVE COVER, STAND PIPE, WELL, UTILITY BOX, RAILROAD CROSSING STANDARD
	UTILITY POLE, POLE AND WIRES, POLE WITH WIRES AND ANCHOR
	TRANSMISSION TOWER
	ELECTROLIER, ELECTROLIER ON POLE
	TRAFFIC SIGNAL, RAILROAD SIGNAL
	CALL BOX
	SIGNS - SINGLE POST, TWO POSTS
	SINGLE TREE, PALM
	MARSH OR SWAMP
	CRASH CUSHION
	TANK

**CONTROL POINTS**

	HORIZONTAL AND VERTICAL CONTROL POINT
	HORIZONTAL CONTROL POINT
	VERTICAL CONTROL POINT

**TOPOGRAPHY**

	INDEX CONTOUR
	INTERMEDIATE CONTOURS
	INDEX CONTOUR (SCALE: 1" = 50')
	GNV CONTOUR (GROUND NOT VISIBLE)
	DEPRESSION CONTOUR
	GNV DEPRESSION CONTOUR
	SPOT ELEVATION (AT DECIMAL POINT)

**WATER WAYS**

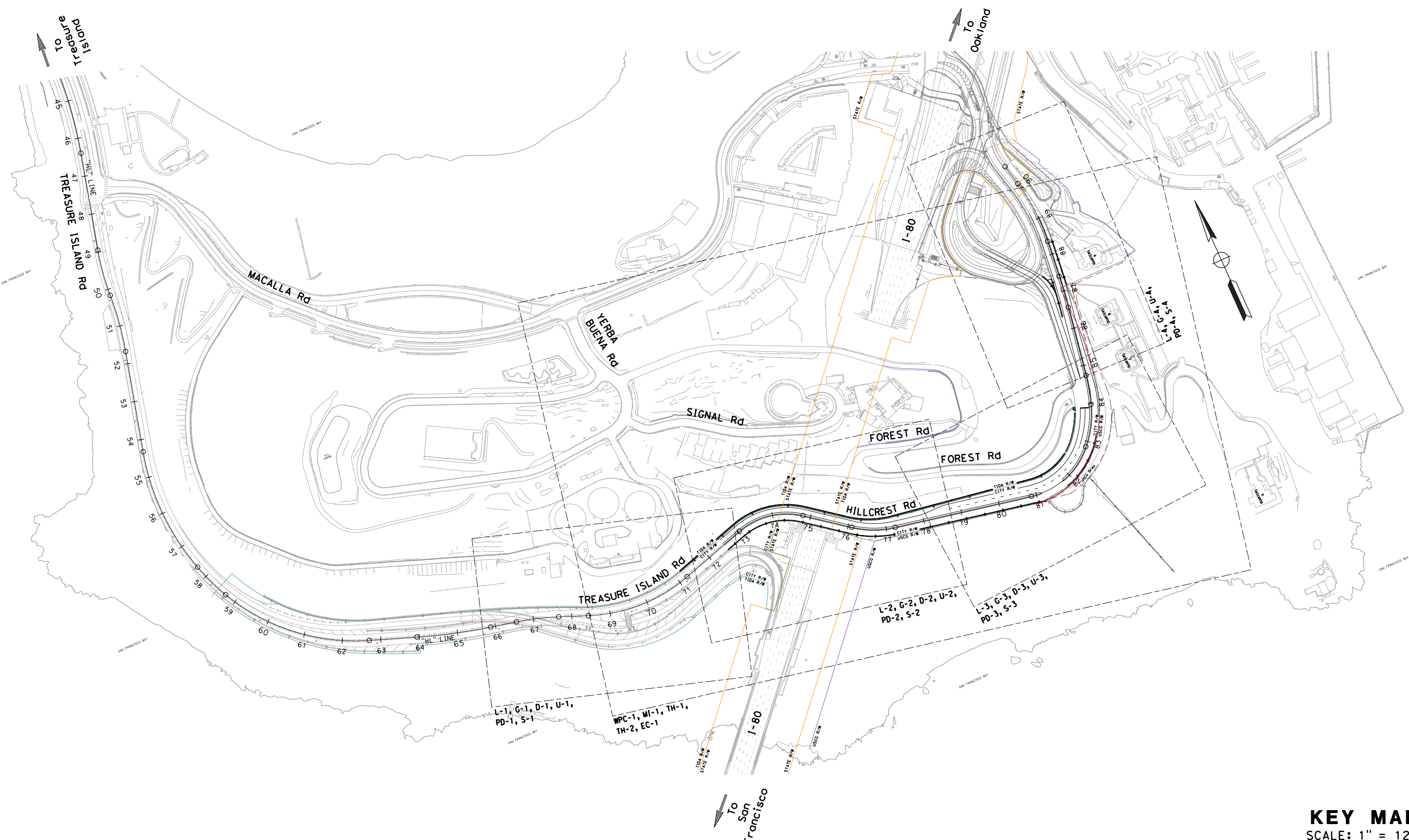
	RIVERS, STREAMS AND CREEKS - SMALL (ONE LINE)
	RIVERS, STREAMS AND CREEKS - LARGE (TWO LINES) (WHICH DEFINES THE WATER EDGE)
	WATER EDGE, LAKE, POND, SWAMP

**LEGEND**

C:\Users\sdwyer\Desktop\Desktop\YBI\Hilcrest\CAD\YBI\Hac006.dgn

<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY/APP.</th> </tr> <tr> <td colspan="4">TABLE OF REVISIONS</td> </tr> </table>			NO.	DATE	DESCRIPTION	BY/APP.	TABLE OF REVISIONS				<p>YERBA BUENA ISLAND HILLCREST ROAD IMPROVEMENT PROJECT</p>		<p>DESIGNED BY: S. DWYER</p> <p>DRAWN BY: S. DWYER</p> <p>CHECKED BY: D. DICKINSON</p> <p>APPROVED BY: D. DICKINSON</p>				<p align="center"><i>Del. S.</i></p> <p>REGISTERED CIVIL ENGINEER</p> <p align="center">1-24-24</p> <p align="center">PLANS SUBMITTAL DATE</p>		<p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p>						<p>USERNAME =&gt; sdwyer</p> <p>CADD FILENAME =&gt; YBIHac006.dgn</p> <p>CONTRACT NO. 23/24-07</p> <table border="1"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>A-6</td> <td>7</td> <td>123</td> </tr> </table>		SHEET NAME	SHEET NO.	TOTAL SHEETS	A-6	7	123
NO.	DATE	DESCRIPTION	BY/APP.																													
TABLE OF REVISIONS																																
SHEET NAME	SHEET NO.	TOTAL SHEETS																														
A-6	7	123																														
<p>BORDER LAST REVISED 1/24/2024</p>			<p>PROJECT DESCRIPTION</p>		<p>APPROVED BY: D. DICKINSON</p>		<p>1-24-24</p> <p>PLANS APPROVAL DATE</p>		<p>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p>				<p align="center"><b>ISSUED FOR BID 1-31-24</b></p>		<p>LAST REVISION: 1-21-24</p> <p>DATE PLOTTED =&gt; 1/29/2024</p> <p>TIME PLOTTED =&gt; 1:34:47 PM</p>																	





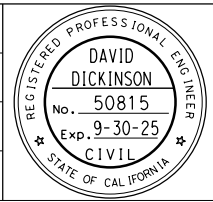
**KEY MAP**  
SCALE: 1" = 120'

C:\Users\sdwyer\Desktop\Desktop\_YB\Hillcrest\CAD\YB\Hdo001.dgn

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
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OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



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CADD FILENAME => YB1Hdo001.dgn  
CONTRACT NO. 23/24-07

SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>K-1</b>	<b>8</b>	<b>123</b>

BORDER LAST REVISED 1/24/2024

RELATIVE BORDER SCALE IS IN INCHES

**ISSUED FOR BID 1-31-24**

LAST REVISION: 1-19-24  
DATE PLOTTED => 1/29/2024  
TIME PLOTTED => 1:34:48 PM



CONTROL FOR DESIGN AND CONSTRUCTION				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
YB07	2124037.40	6024613.71	9.98	MAG NAIL W/ TAG "CALTRANS" (YB07)
RECEIVE	2122822.83	6024020.65	9.30	3.5" B.D. STAMPED "RECEIVE RESET 1970"
TIN 3	2127326.97	6023583.23	7.92	3.5" NGS B.D. STAMPED "TIN 3 1947" IN MON WELL
GOAT	2123117.63	6020824.29	90.10	3.5" NGS B.D. STAMPED "GOAT 1916"
101	2122192.85	6023158.63	217.83	SET MAG NAIL W/ TT
102	2122523.56	6022632.73	299.38	SET MAG NAIL W/ TT
103	2122417.28	6022905.35	270.00	SET MAG NAIL W/ TT
104	2122318.38	6023147.94	231.08	SET MAG NAIL W/ TT
105	2122407.63	6023359.71	205.45	SET MAG NAIL W/ TT
106	2122638.42	6023399.76	189.25	SET MAG NAIL W/ TT
107	2122435.85	6022280.62	209.34	SET MAG NAIL W/ TT
108	2122475.70	6022414.81	220.08	SET MAG NAIL W/ TT
109	2122451.20	6022510.68	225.14	SET MAG NAIL W/ TT
110	2122328.24	6022678.64	227.91	SET MAG NAIL W/ TT
111	2122375.08	6022606.33	228.10	SET MAG NAIL W/ TT
112	2122282.20	6022866.79	224.35	SET MAG NAIL W/ TT
113	2122237.94	6023197.28	213.93	SET MAG NAIL W/ TT
114	2122610.34	6023352.43	191.70	SET MAG NAIL W/ TT
115	2122732.68	6023402.24	177.61	SET MAG NAIL W/ TT
116	2122918.81	6023436.90	155.10	SET CUT X ON CONCRETE
117	2122719.04	6023418.28	175.35	SET 60D NAIL

501	2125336.99	6021624.53	9.81	SET MAG NAIL & TT W/ FL X
502	2125571.36	6020731.53	9.5	SET MAG NAIL & TT W/ FL X
503	2124279.36	6021291.71	42.88	SET MAG NAIL & TT W/ FL X
504	2123187.43	6020989.92	106.91	SET REBAR&CAP W/ FL X
505	2122515.10	6021709.09	169.97	SET MAG NAIL & TT W/ FL X
506	2122384.93	6022026.69	191.68	SET MAG NAIL & TT "YB 12" W/ FL X
507	2121743.54	6023707.80	57.24	SET REBAR&CAP W/ FL X
508	2122437.06	6024037.13	9.35	CUT X ON CONC W/ FL X
509	2123208.49	6022112.03	240.84	SET MAG NAIL & TT W/ FL X
510	2123626.27	6022759.49	107.06	SET MAG NAIL & TT W/ FL X
511	2123977.59	6023174.13	84.24	SET MAG NAIL & TT W/ FL X
512	2124105.60	6023762.60	30.97	SET REBAR&CAP W/ FL X
513	2124186.96	6024632.08	14.24	SET 90D NAIL W/ FL X
514	2123586.16	6023921.52	12.6	SET MAG NAIL & TT W/ FL X
515	2122815.89	6021377.78	218.65	SET MAG NAIL & TT W/ FL X

**ABBREVIATIONS:**

B.D. BRASS DISK  
 FL X FLIGHT CROSS  
 MON MONUMENT  
 NGS NATIONAL GEODETIC SURVEY  
 TT TOWILL TAG  
 W/ WITH

**LEGEND:**

▲ SET CONTROL POINT AS NOTED  
 □ NGS MONUMENT

**NOTES:**

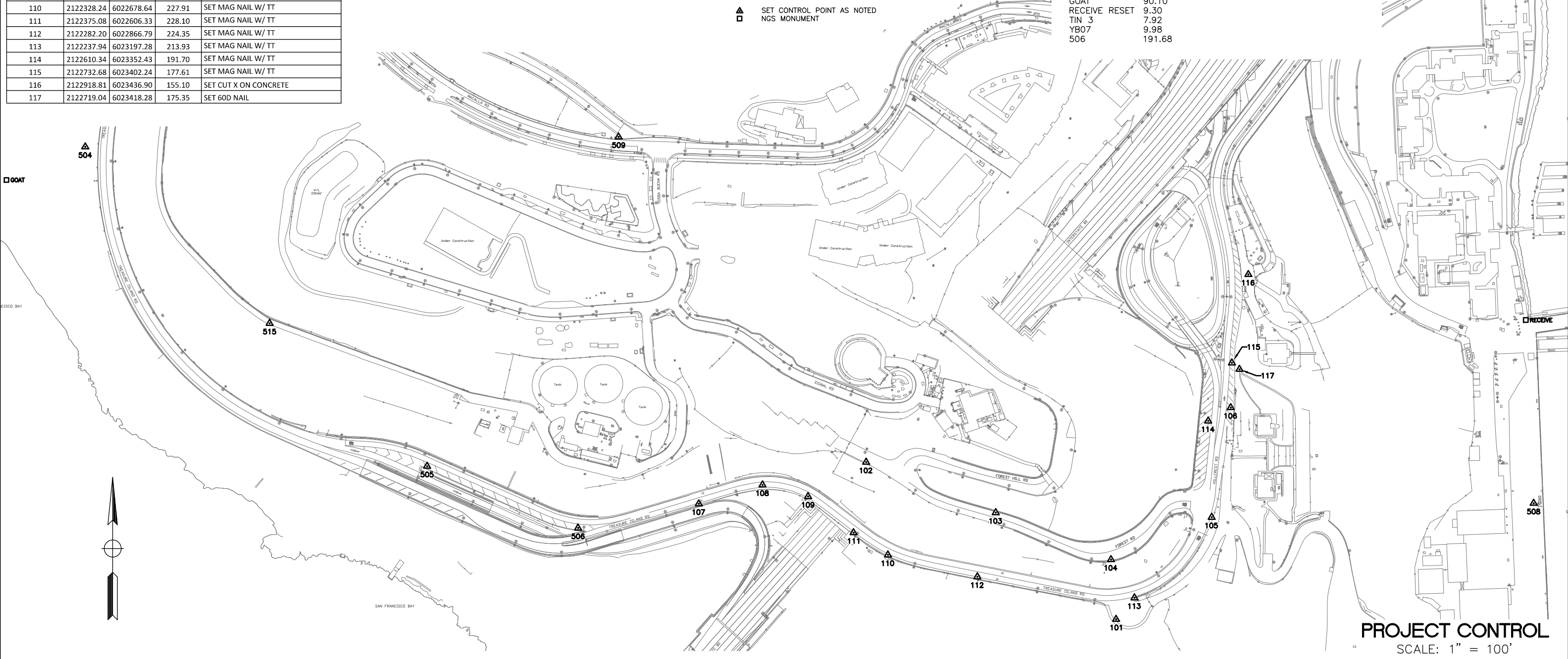
1. THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (CCS) ZONE 3, NAD 83 (1992) EPOCH 1991.35, AS DETERMINED FROM GNSS SURVEYS TO NGS MONUMENTS HT0803 (RECEIVE RESET), HT0823 (GOAT), YB07, AND 506 (YB12).

COORDINATES ARE SHOWN IN U.S. SURVEY FOOT (1200/3937 METER) THIS GNSS/GPS STATIC SURVEY WAS CONSTRAINED TO NGS STATIONS:

HT0803 (RECEIVE RESET)  
 HT0831 (TIN 3)  
 YB07  
 506

2. THE BASIS OF ELEVATIONS IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29). STATIONS AND RESPECTIVE ELEVATIONS AS SHOWN BELOW:

GOAT 90.10  
 RECEIVE RESET 9.30  
 TIN 3 7.92  
 YB07 9.98  
 506 191.68

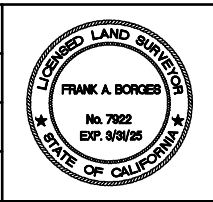


**PROJECT CONTROL**  
 SCALE: 1" = 100'

NO.	DATE	DESCRIPTION	BY APP.
TABLE OF REVISIONS			

YERBA BUENA ISLAND  
 HILLCREST ROAD  
 IMPROVEMENT  
 PROJECT

DESIGNED BY:  
 F.B.  
 DRAWN BY:  
 T.V.  
 CHECKED BY:  
 F.B.  
 APPROVED BY:  
 F.B.



*Frank Borges*  
 PROFESSIONAL LICENSED SURVEYOR  
 1-19-24  
 PLANS SUBMITTAL DATE  
 1-24-24  
 PLANS APPROVAL DATE  
 TOWILL, INC. SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**TOWILL** Surveying, Mapping, LIDAR, Geospatial Solutions  
 2300 Clayton Road, Suite 1200  
 Concord, CA 94520-2176  
 (925) 682-6976 - www.towill.com  
 TOWILL, INC.  
 2300 CLAYTON ROAD, SUITE 1200  
 CONCORD, CALIFORNIA 94520  
 (925) 682-6976  
 WWW.TOWILL.COM



USERNAME => \$USER		
CADD FILENAME =>		
\$REQUEST		
CONTRACT NO. 23/24-07		
SHEET NAME PC-1	SHEET NO. 9	TOTAL SHEETS 123
LAST REVISION 1-19-24	DATE PLOTTED => \$DATE TIME PLOTTED => \$TIME	

BORDER LAST REVISED 8/23/2023



**ISSUED FOR BID 1-31-24**

**NOTES:**

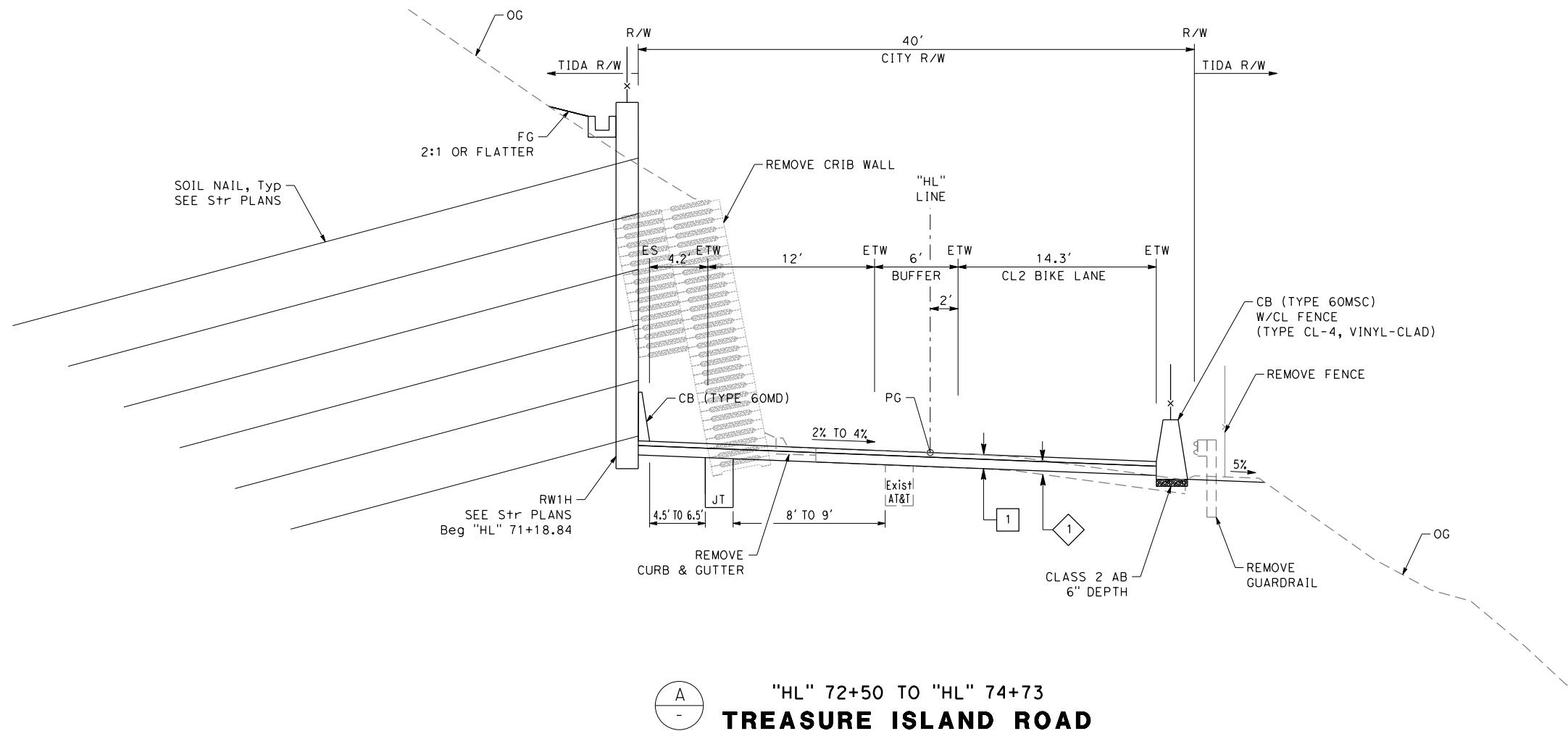
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
3. FOR LOCATION OF SAWCUT/CONFORM LINES, SEE LAYOUT SHEETS.
4. FOR LOCATION AND TYPE OF RETAINING WALL, SEE RETAINING WALL AND STRUCTURE PLANS.
5. FOR LOCATION OF GUTTERS AND DITCHES, SEE DRAINAGE SHEETS.
6. FOR LIMITS AND TYPES OF CONCRETE BARRIER, CURBS, GUTTERS, DITCHES AND FENCE, SEE LAYOUT SHEETS.
7. SEE JOINT TRENCH PLANS FOR TRENCH DIMENSIONS AND VERTICAL CLEARANCE TO FINISH GRADE AND OR CROSSING UTILITIES.
8. EXISTING ASPHALT CONCRETE MAY CONTAIN REINFORCEMENT FABRIC.
9. AS-BUILTS FOR THE EXISTING CRIB WALLS ARE NOT AVAILABLE, THE EXTENTS OF THE NON-VISIBLE PORTION OF THE WALL INTO THE SLOPE ARE UNKNOWN.

**EXISTING STRUCTURAL SECTION**

- 1 0.42' ASPHALT CONCRETE  
0.33' AGGREGATE BASE
- 2 0.33' ASPHALT CONCRETE  
0.67' CONCRETE BASE

**NEW STRUCTURAL SECTION**

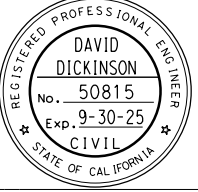
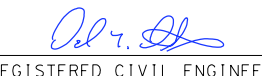




- 1 0.33' HMA (TYPE A)  
0.67' CONCRETE BASE
- 2 0.1' TO 0.33' COLD PLANE  
0.1' TO 0.33' HMA (TYPE A)

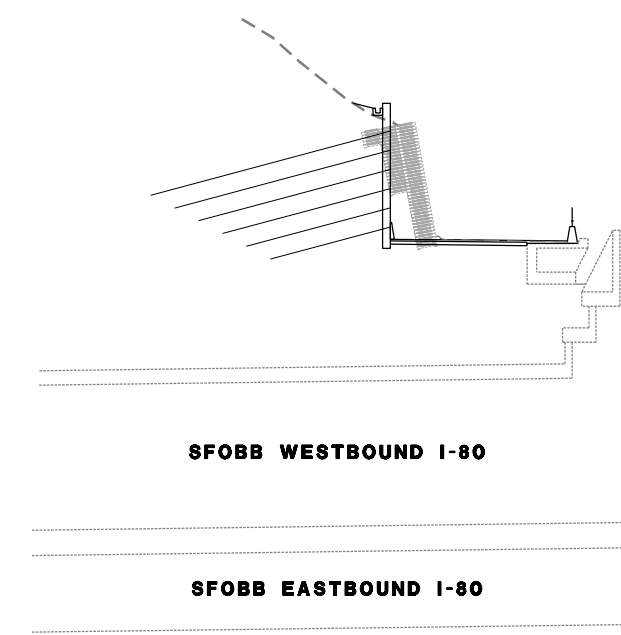
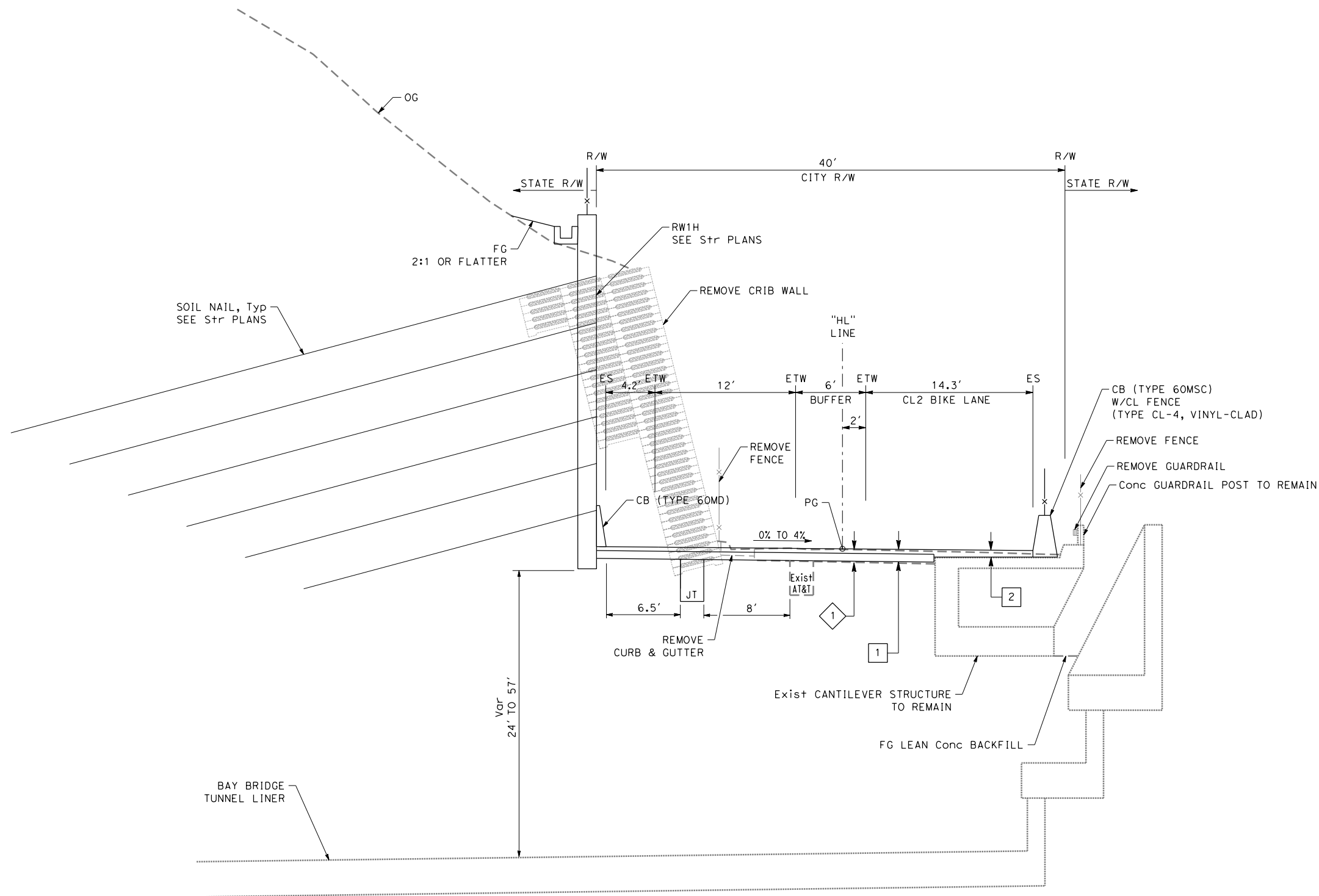


A  
-  
"HL" 72+50 TO "HL" 74+73  
**TREASURE ISLAND ROAD**

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

		DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON		 REGISTERED CIVIL ENGINEER 1-24-24 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer CADD FILENAME => YBIHco001.dgn CONTRACT NO. <b>23/24-07</b>	
NO. DATE DESCRIPTION BY APP.		PROJECT DESCRIPTION		1-24-24 PLANS APPROVAL DATE		WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		SHEET NAME SHEET NO. TOTAL SHEETS <b>X-1 10 123</b>	
TABLE OF REVISIONS		BORDER LAST REVISED 1/24/2024		RELATIVE BORDER SCALE IS IN INCHES 		<b>ISSUED FOR BID 1-31-24</b>		LAST REVISION DATE PLOTTED => 1/29/2024 1-24-24 TIME PLOTTED => 1:34:50 PM	



SFOBB WESTBOUND I-80

B "HL" 74+73 TO "HL" 75+68  
HILLCREST ROAD

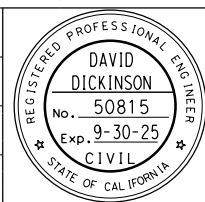
TYPICAL CROSS SECTIONS  
SCALE: 1" = 5'

FOR NOTES, ABBREVIATIONS  
AND LEGEND, SEE SHEET X-1

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



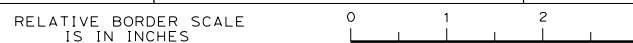
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE  
1-24-24  
PLANS APPROVAL DATE  
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(510) 444-2450 (FAX)  
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USERNAME => sdwyer		
CADD FILENAME => YBIHco002.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>X-2</b>	<b>11</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-24-24	TIME PLOTTED => 1:34:51 PM	

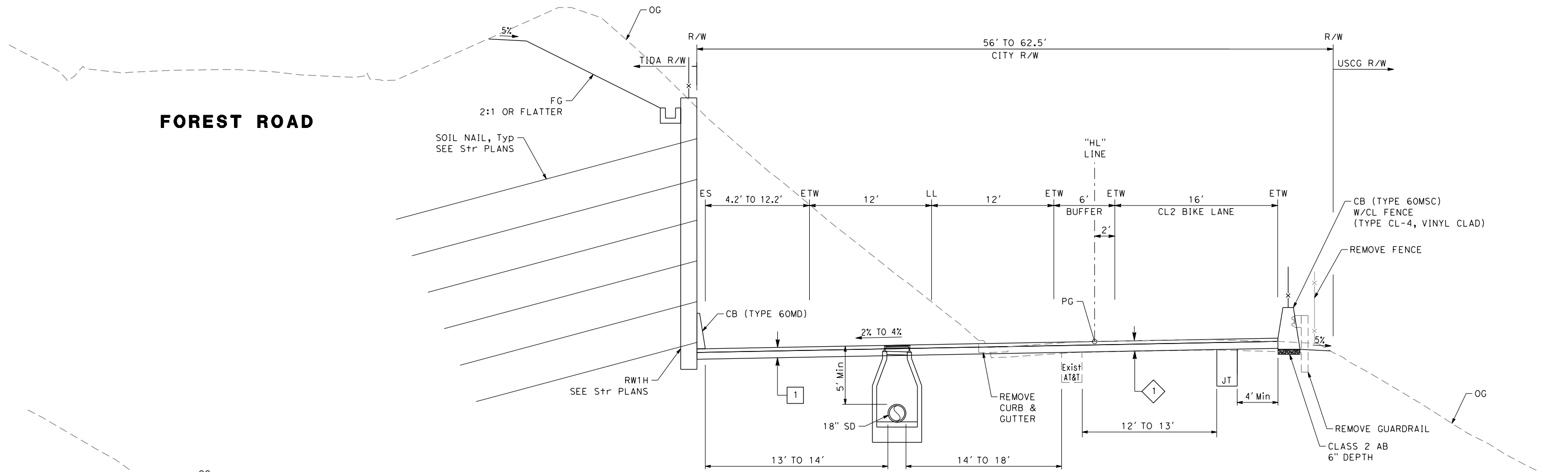
BORDER LAST REVISED 1/24/2024



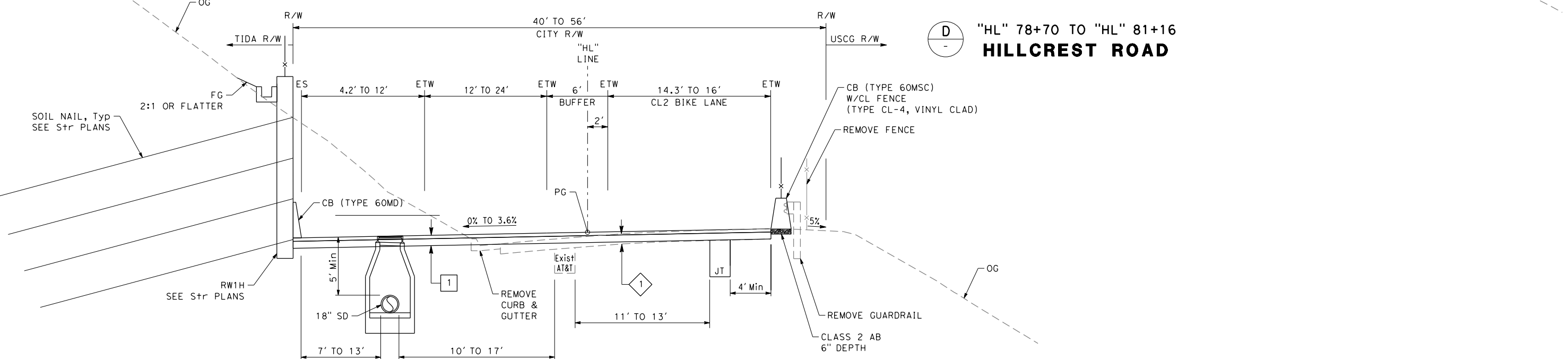
ISSUED FOR BID 1-31-24



**FOREST ROAD**



**D "HL" 78+70 TO "HL" 81+16  
HILLCREST ROAD**



**C "HL" 75+68 TO "HL" 78+70  
HILLCREST ROAD**

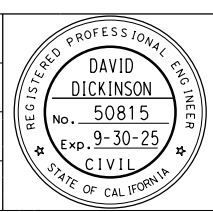
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. J. [Signature]*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
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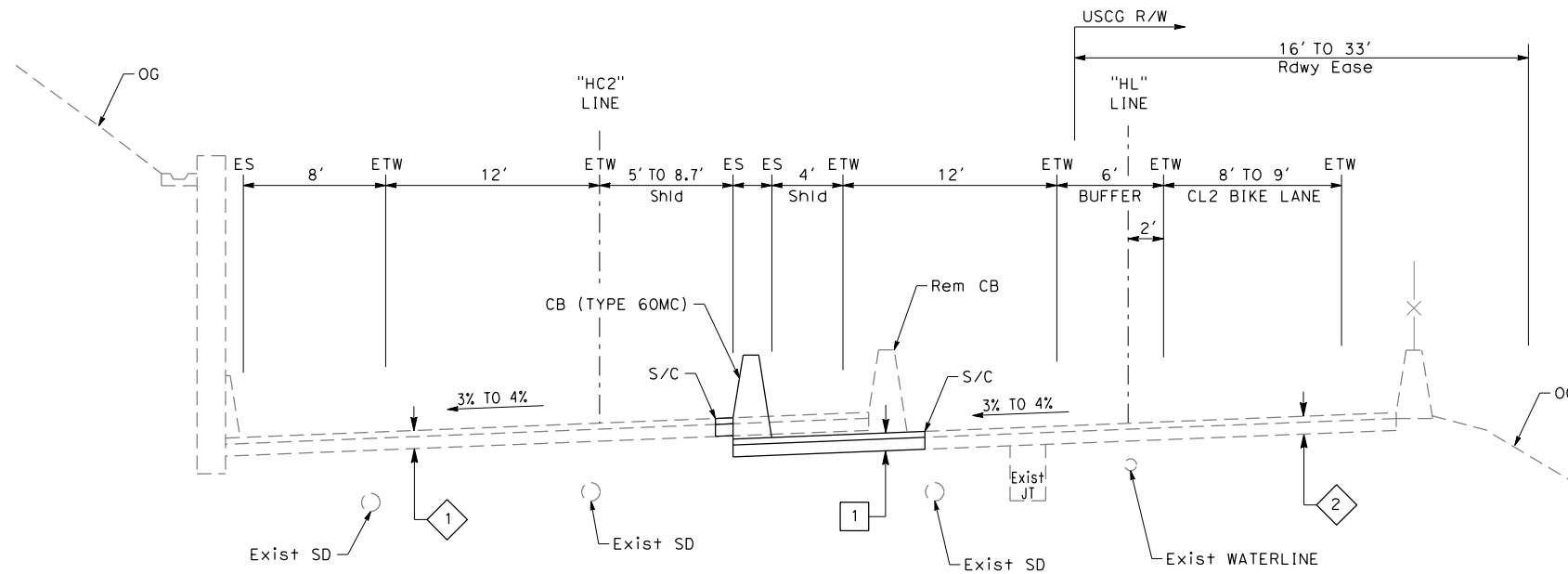
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<b>X-3</b>	<b>12</b>	<b>123</b>
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1-23-24	TIME PLOTTED => 1:34:52 PM	

BORDER LAST REVISED 1/24/2024



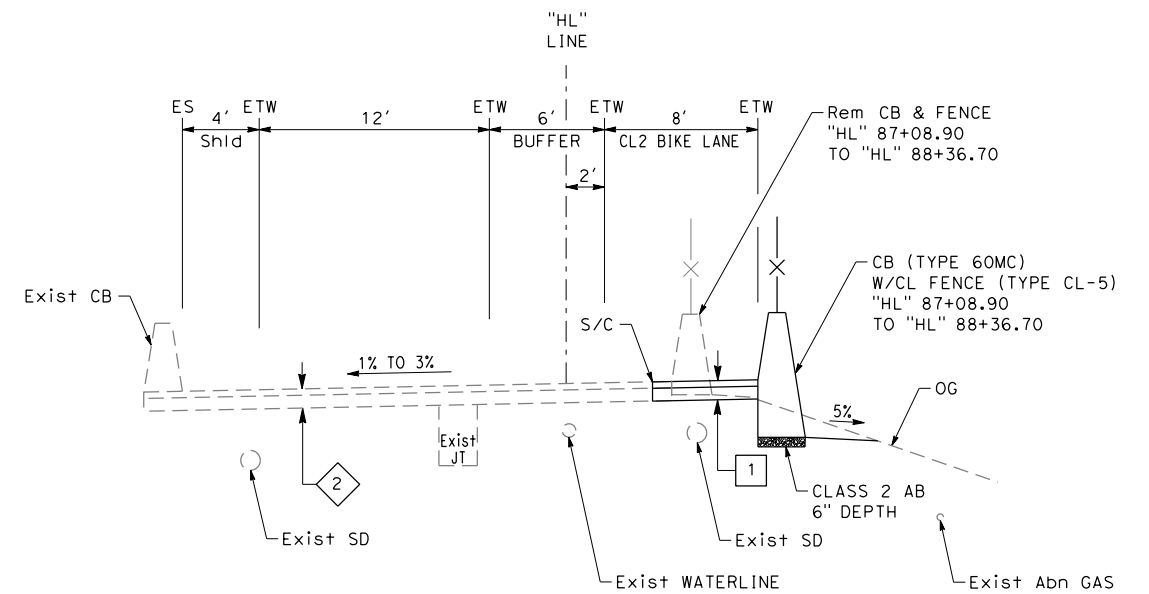
**ISSUED FOR BID 1-31-24**



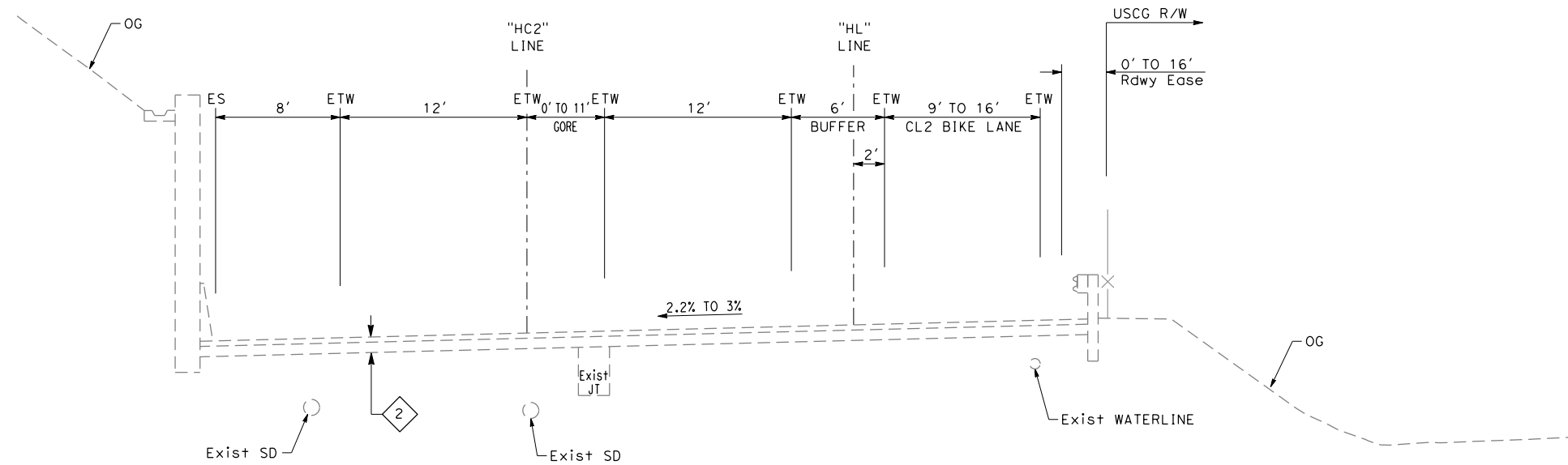


**HILLCREST ROAD**

**H** "HL" 86+35 TO "HL" 87+40  
**EB I-80 ON-RAMP**



**I** "HL" 87+40 TO "HL" 89+05  
**EB I-80 ON-RAMP**



**G** "HL" 83+94 TO "HL" 86+35  
**HILLCREST ROAD**

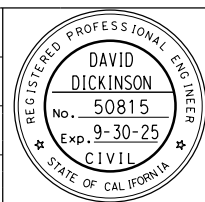
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. J. [Signature]*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS APPROVAL DATE

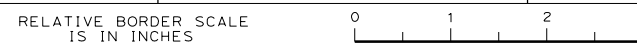
1-24-24  
PLANS SUBMITTAL DATE  
*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*



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OAKLAND, CA 94607  
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USERNAME => sdwyer		
CADD FILENAME => YB1Hco005.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>X-5</b>	<b>14</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-22-24	TIME PLOTTED => 1:34:54 PM	



**ISSUED FOR BID 1-31-24**

C:\Users\sdwyer\Desktop\Desktop\YB1Hco005.dgn

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- SEE PROJECT CONTROL SHEET FOR THE BASIS OF THE HORIZONTAL CONTROLS.
- ALL SURVEY MONUMENT LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- ALL CURB LOCATIONS ARE CALLED TO THE FLOWLINE OF CURB.
- FOR PAVEMENT STRUCTURAL SECTIONS SEE TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAIL SHEETS.
- ALL CONCRETE BARRIER STEEL REINFORCEMENT MUST BE EPOXY COATED.

**LEGEND:**

- CURVE DATA
- LINE DATA
- LIMIT OF WORK
- SURVEY MONUMENT
- COLD PLANE AC Pvm+

**ABBREVIATIONS:**

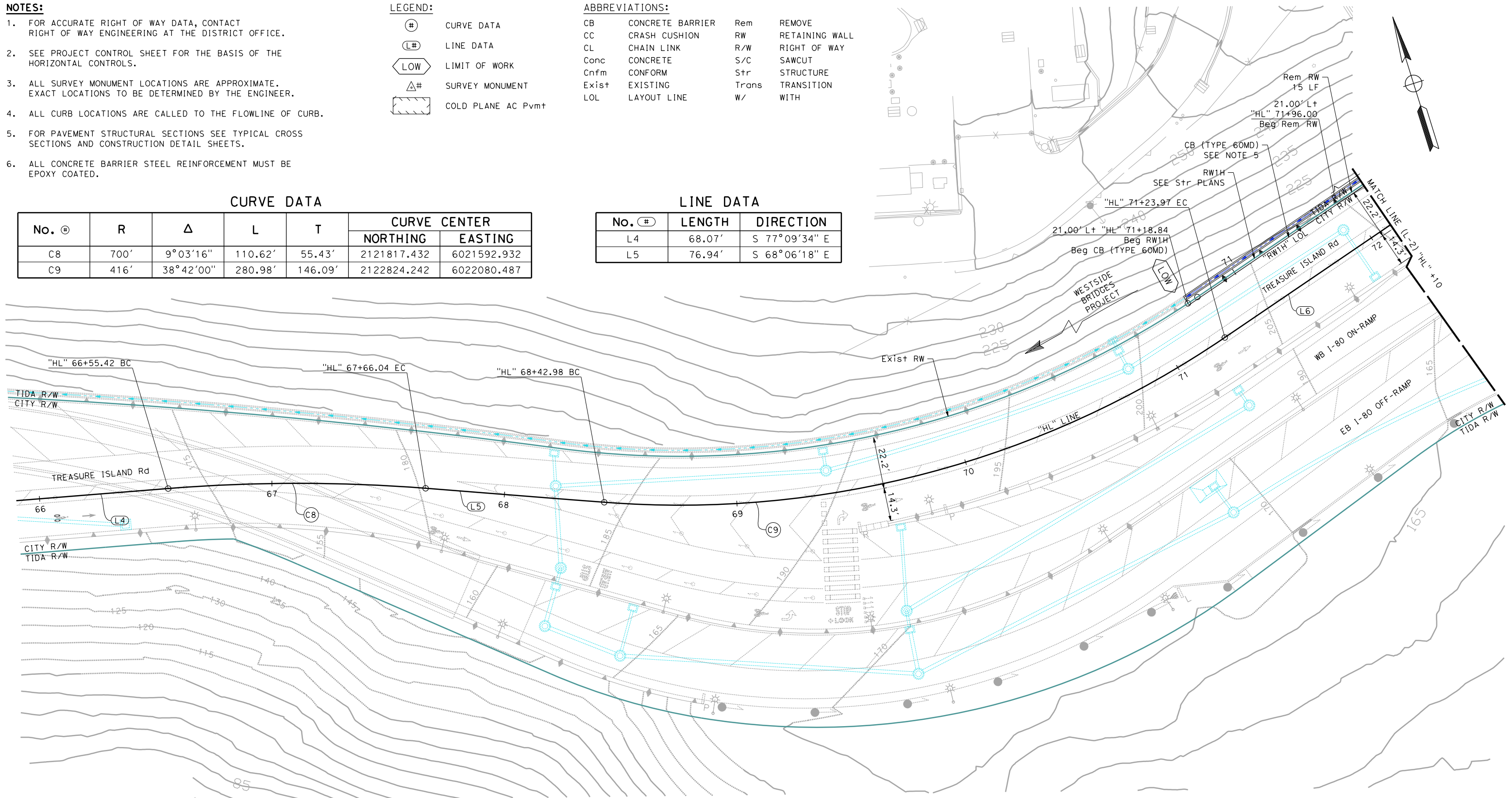
- |       |                  |       |                |
|-------|------------------|-------|----------------|
| CB    | CONCRETE BARRIER | Rem   | REMOVE         |
| CC    | CRASH CUSHION    | RW    | RETAINING WALL |
| CL    | CHAIN LINK       | R/W   | RIGHT OF WAY   |
| Conc  | CONCRETE         | S/C   | SAWCUT         |
| Cnfm  | CONFORM          | Str   | STRUCTURE      |
| Exist | EXISTING         | Trans | TRANSITION     |
| LOL   | LAYOUT LINE      | W/    | WITH           |

**CURVE DATA**

No. Ⓢ	R	Δ	L	T	CURVE CENTER	
					NORTHING	EASTING
C8	700'	9°03'16"	110.62'	55.43'	2121817.432	6021592.932
C9	416'	38°42'00"	280.98'	146.09'	2122824.242	6022080.487

**LINE DATA**

No. Ⓢ	LENGTH	DIRECTION
L4	68.07'	S 77°09'34" E
L5	76.94'	S 68°06'18" E

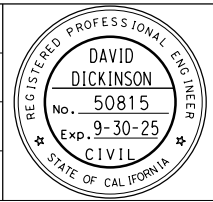


**LAYOUT**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
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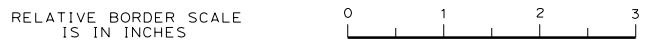
**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
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USERNAME => sdwyer	CADD FILENAME => YBIHeo001.dgn	CONTRACT NO. 23/24-07
SHEET NAME	SHEET NO. 15	TOTAL SHEETS 123
L-1		
LAST REVISION 1-23-24	DATE PLOTTED => 1/29/2024	TIME PLOTTED => 1:34:56 PM

C:\Users\sdwyer\Desktop\Desktop\_YBI\Hilcrest\CAD\YBIHeo001.dgn

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**





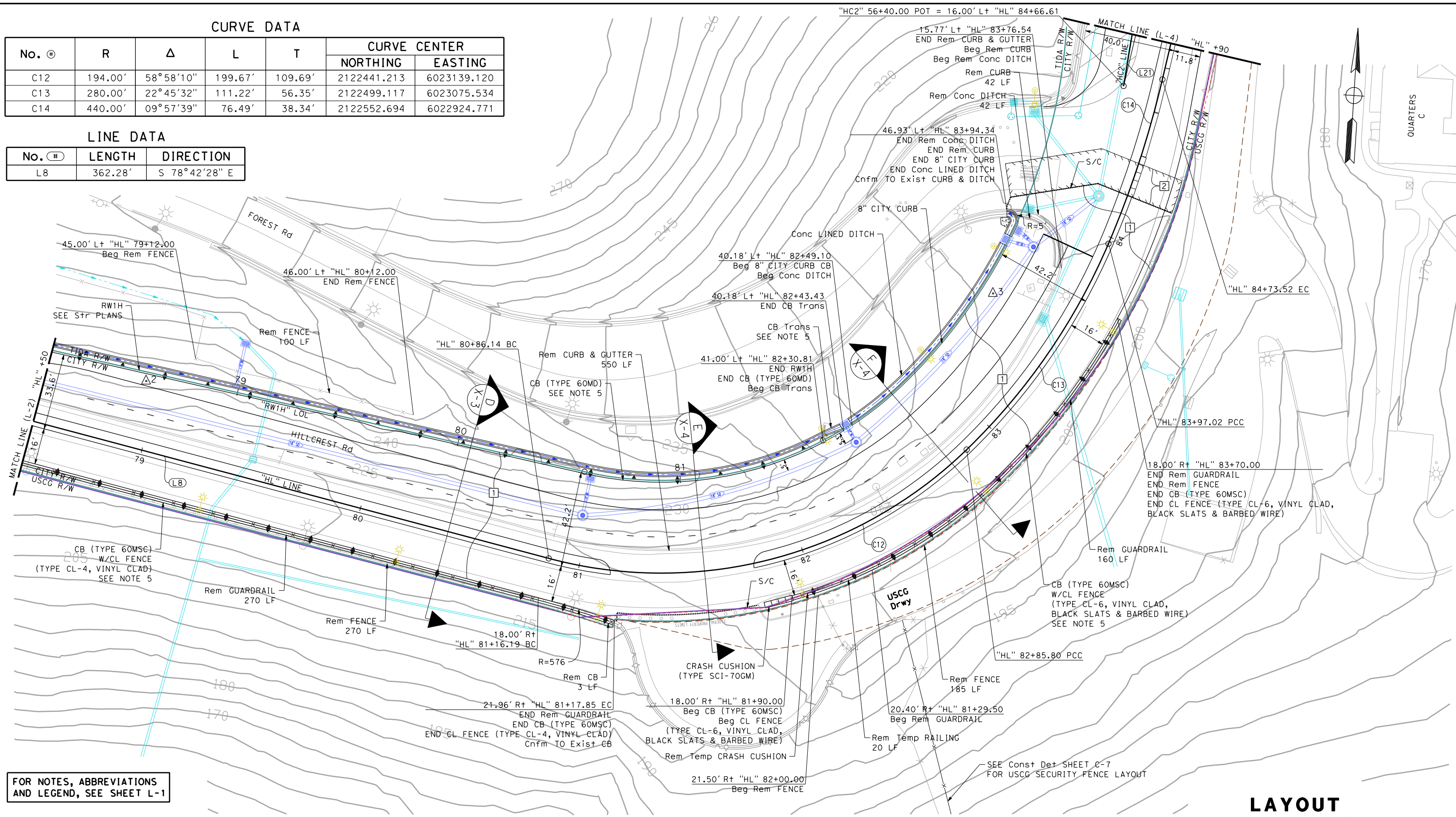


**CURVE DATA**

No. #	R	Δ	L	T	CURVE CENTER	
					NORTHING	EASTING
C12	194.00'	58°58'10"	199.67'	109.69'	2122441.213	6023139.120
C13	280.00'	22°45'32"	111.22'	56.35'	2122499.117	6023075.534
C14	440.00'	09°57'39"	76.49'	38.34'	2122552.694	6022924.771

**LINE DATA**

No. #	LENGTH	DIRECTION
L8	362.28'	S 78°42'28" E



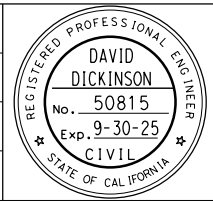
**FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1**

**LAYOUT**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

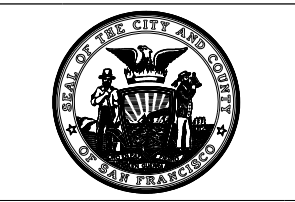
DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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USERNAME => sdwyer  
CADD FILENAME => YBIHeo003.dgn  
CONTRACT NO. 23/24-07  
SHEET NAME SHEET NO. TOTAL SHEETS  
**L-3 17 123**

BORDER LAST REVISED 1/24/2024

RELATIVE BORDER SCALE IS IN INCHES

**ISSUED FOR BID 1-31-24**

LAST REVISION 1-23-24 DATE PLOTTED => 1/29/2024 TIME PLOTTED => 1:34:58 PM

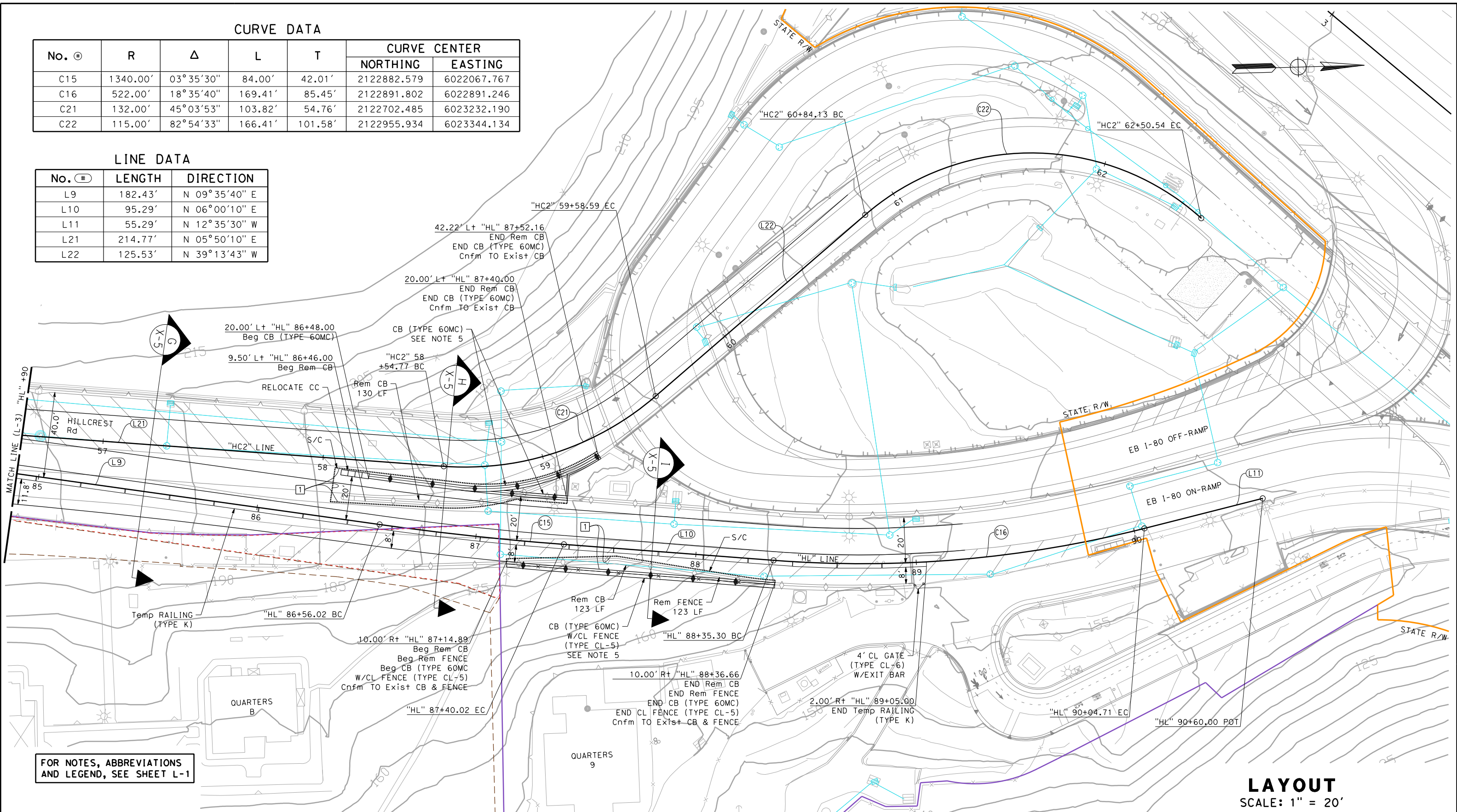


**CURVE DATA**

No. Ⓢ	R	Δ	L	T	CURVE CENTER	
					NORTHING	EASTING
C15	1340.00'	03°35'30"	84.00'	42.01'	2122882.579	6022067.767
C16	522.00'	18°35'40"	169.41'	85.45'	2122891.802	6022891.246
C21	132.00'	45°03'53"	103.82'	54.76'	2122702.485	6023232.190
C22	115.00'	82°54'33"	166.41'	101.58'	2122955.934	6023344.134

**LINE DATA**

No. Ⓢ	LENGTH	DIRECTION
L9	182.43'	N 09°35'40" E
L10	95.29'	N 06°00'10" E
L11	55.29'	N 12°35'30" W
L21	214.77'	N 05°50'10" E
L22	125.53'	N 39°13'43" W



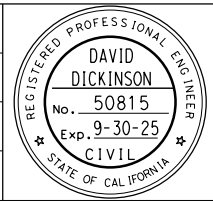
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

**LAYOUT**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

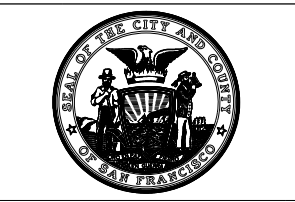
DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



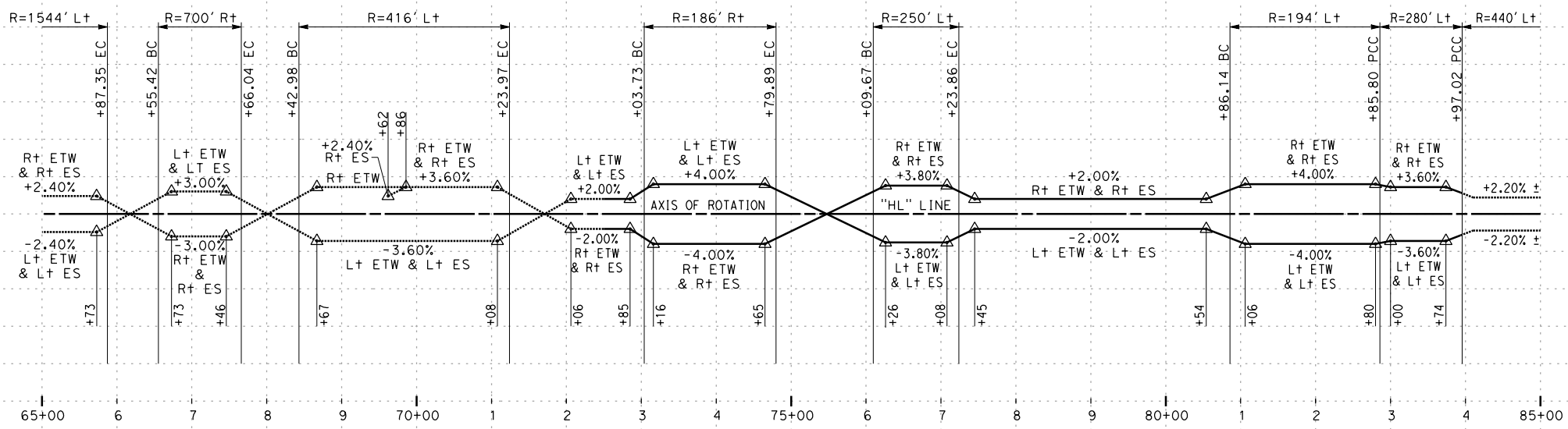
*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

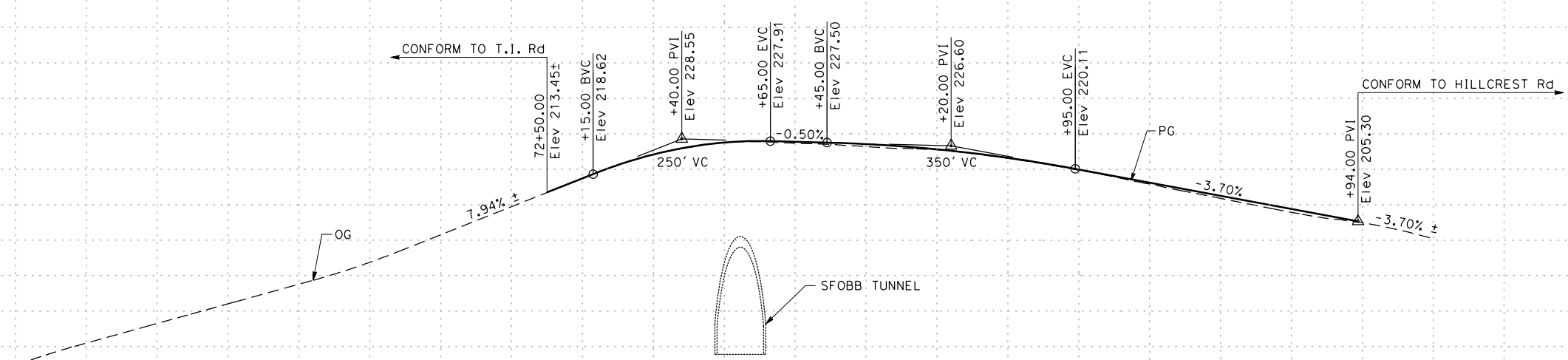
**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer		
CADD FILENAME => YBIHeo004.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>L-4</b>	<b>18</b>	<b>123</b>
LAST REVISION DATE PLOTTED => 1/29/2024		
1-24-24 TIME PLOTTED => 1:34:59 PM		



**SUPERELEVATION DIAGRAM**



**TREASURE ISLAND & HILLCREST ROAD  
"HL" LINE**

**PROFILE AND SUPERELEVATION DIAGRAM**

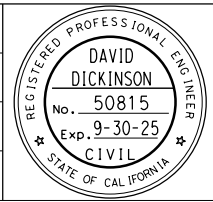
SCALE: Horiz 1" = 100'  
Vert 1" = 20'

STATION	65+00	6	7	8	9	70+00	1	2	3	4	75+00	6	7	8	9	80+00	1	2	3	4	85+00	TOTAL	
CY	Exc																						
	Emb																						

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



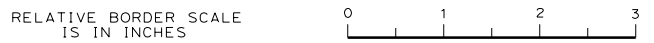
*[Signature]*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

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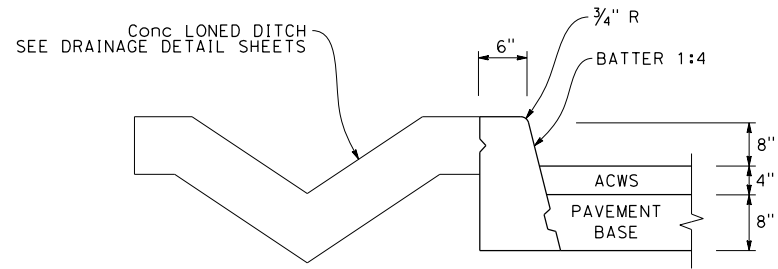


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CONTRACT NO.	23/24-07	
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>PS-1</b>	<b>19</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-19-24	TIME PLOTTED => 1:35:01 PM	

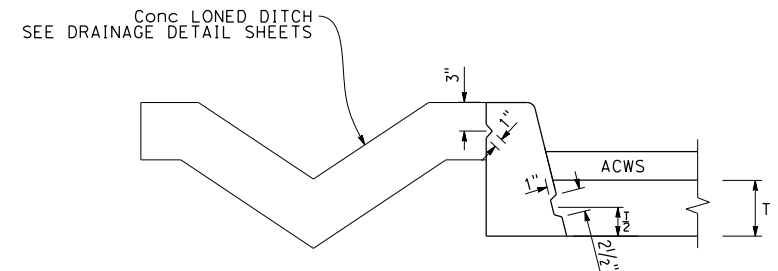


**ISSUED FOR BID 1-31-24**

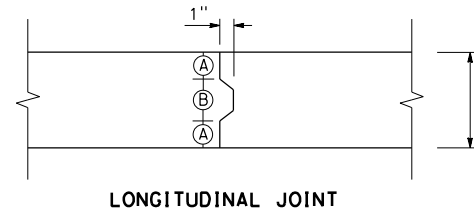
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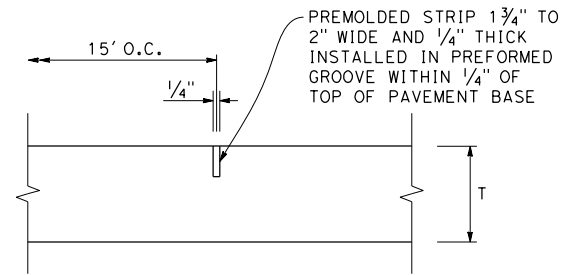
**8" CITY CURB**



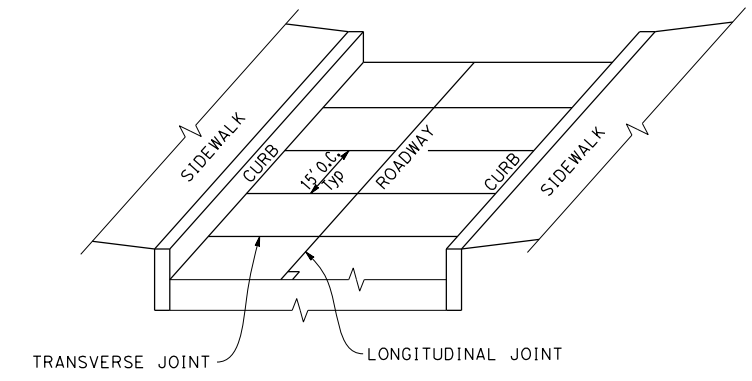
**LONGITUDINAL CONSTRUCTION JOINTS FOR 8" CITY CURB**



LONGITUDINAL JOINT



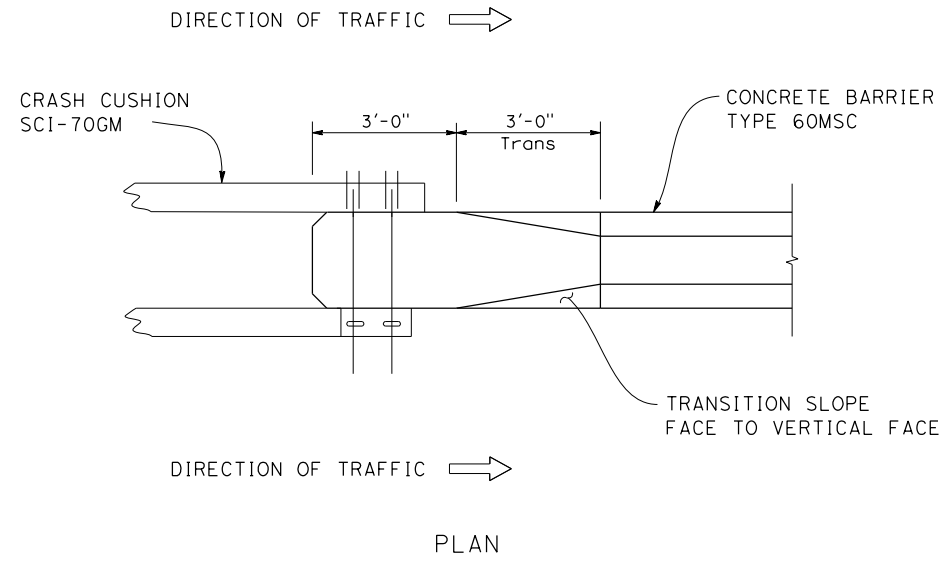
TRANSVERSE JOINT



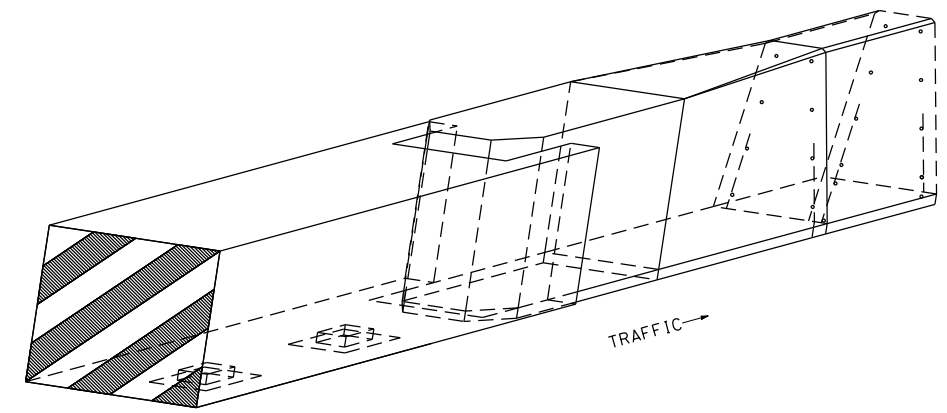
T = CONCRETE PAVEMENT THICKNESS  
O.C. = ON CENTER

T	(A)	(B)
8"	2 3/4"	2 1/2"
10"	3 3/4"	2 1/2"
12"	4 3/4"	2 1/2"

**STANDARD JOINTS FOR CONCRETE PAVEMENT BASE**



PLAN



ISOMETRIC

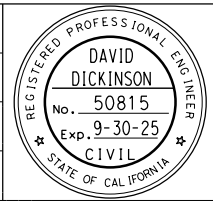
**CRASH CUSHION TO BARRIER TRANSITION**  
SCI-70GM CRASH CUSHION TO CB TYPE 60MSC

**CONSTRUCTION DETAILS**  
NO SCALE

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. S.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

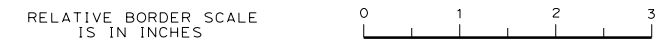
1-24-24  
PLANS APPROVAL DATE  
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www.wmhcorporation.com



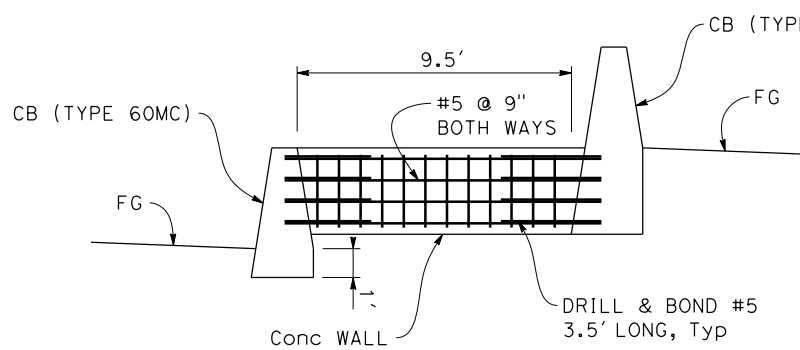
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CADD FILENAME => YB1Hgo001.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>C-1</b>	<b>20</b>	<b>123</b>
LAST REVISION		DATE PLOTTED => 1/29/2024
1-19-24		TIME PLOTTED => 1:35:03 PM

BORDER LAST REVISED 1/24/2024

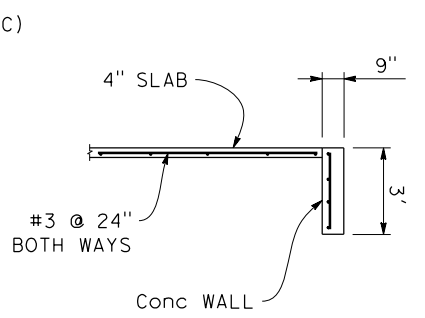


**ISSUED FOR BID 1-31-24**

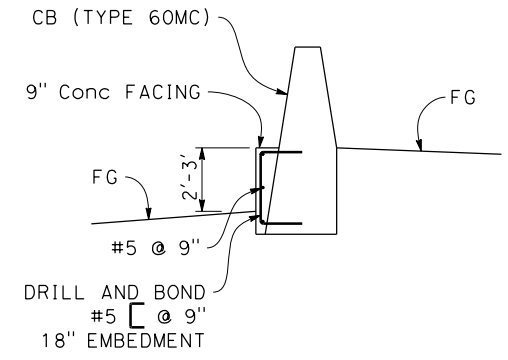




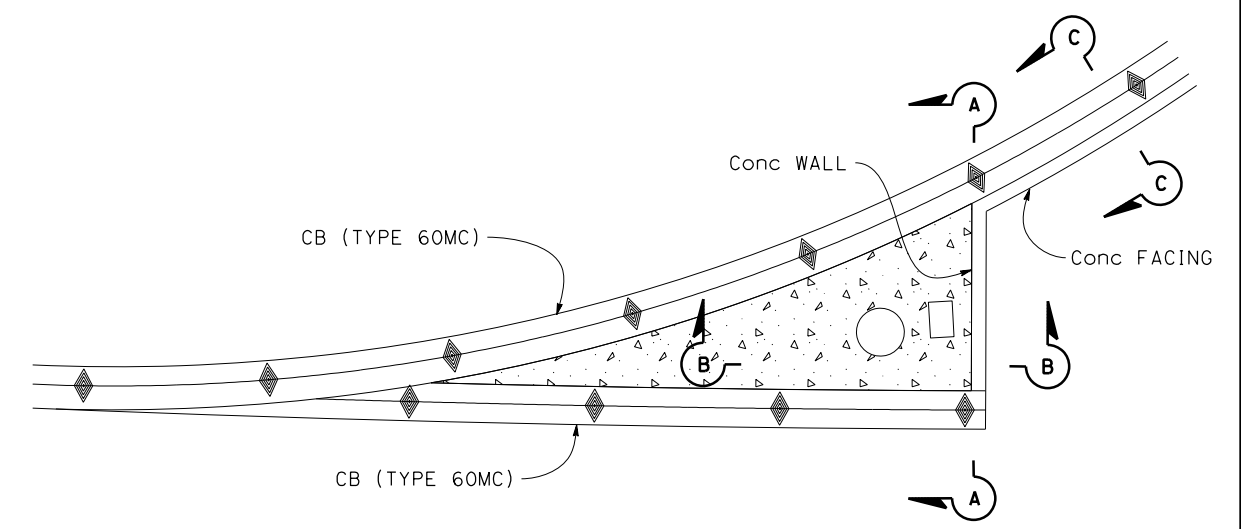
**SECTION A-A**



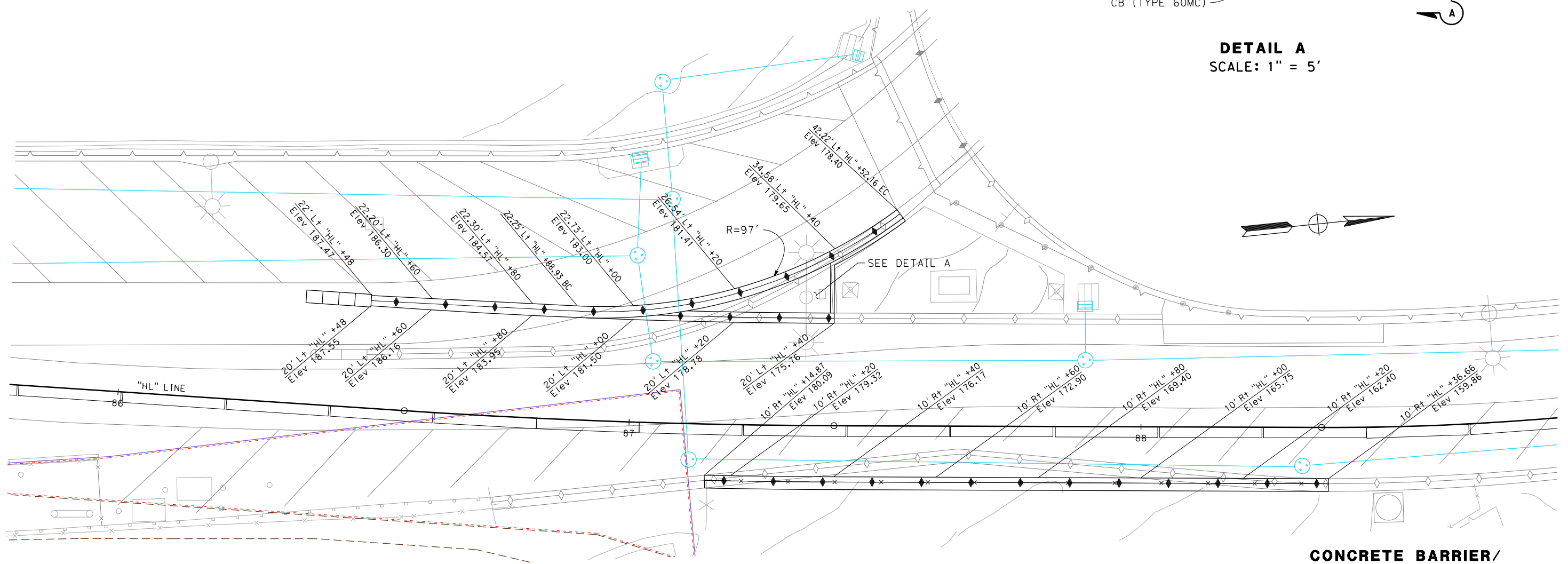
**SECTION B-B**



**SECTION C-C**



**DETAIL A**  
SCALE: 1" = 5'



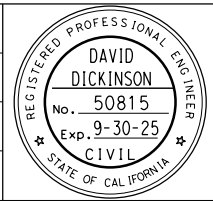
**CONCRETE BARRIER/  
PAVEMENT ELEVATIONS  
CONSTRUCTION DETAILS**  
SCALE: 1" = 10'

C:\Users\sdwyer\Desktop\Desktop\_YB1\Hilcrest\CAD\YB1Hgo002.dgn

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

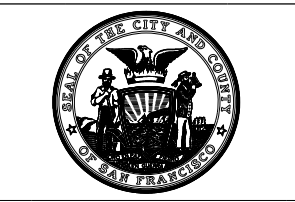
DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS APPROVAL DATE

1-24-24  
PLANS SUBMITTAL DATE  
*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer  
CADD FILENAME => YB1Hgo002.dgn  
CONTRACT NO. 23/24-07  
SHEET NAME SHEET NO. TOTAL SHEETS  
**C-2 21 123**

BORDER LAST REVISED 1/24/2024

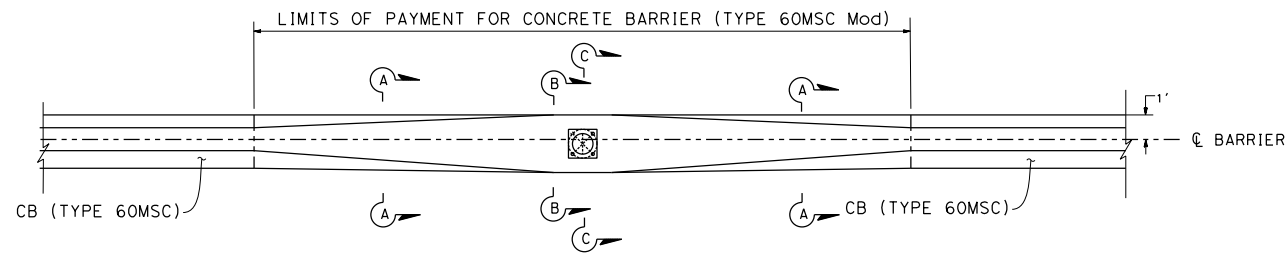


**ISSUED FOR BID 1-31-24**

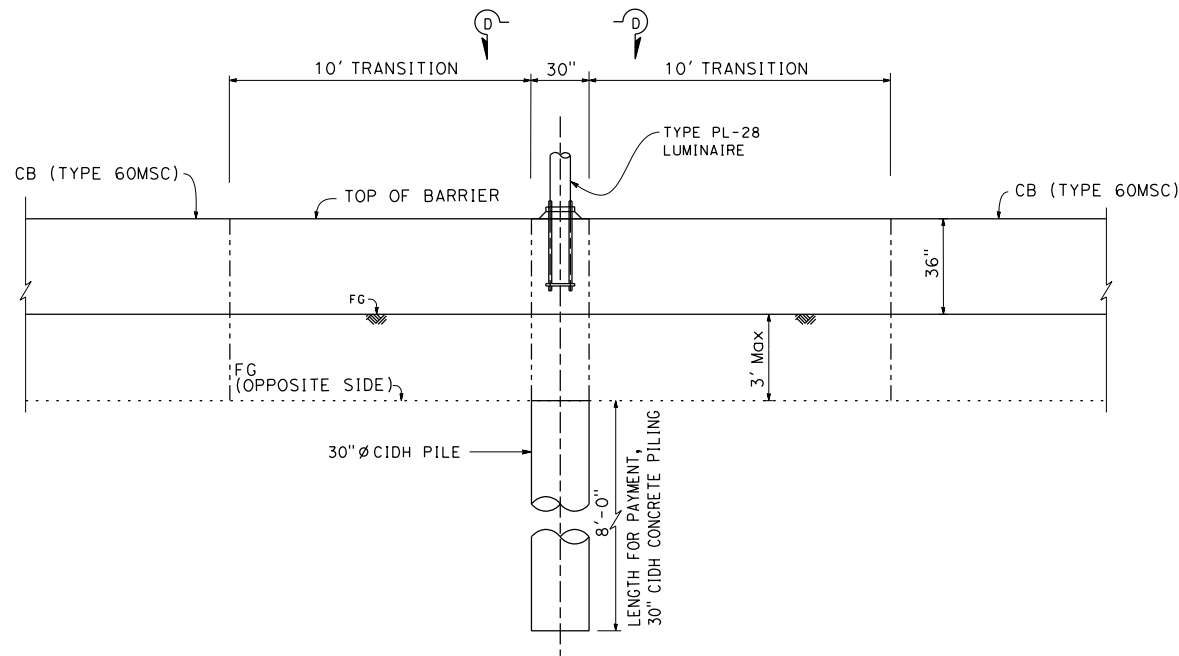
LAST REVISION 1-23-24 DATE PLOTTED => 1/29/2024 TIME PLOTTED => 1:35:04 PM

**NOTES:**

- FOR POLE LOCATION, SEE STREET LIGHTING PLANS.
- FOR DETAILS NOT SHOWN, SEE STREET LIGHTING SHEET SL-5.
- THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
- FOR ROADBED SURFACES OFFSET GREATER THAN 1 1/2" AND LESS THAN OR EQUAL TO 3", NO REBARS REQUIRED. FOR ROADBED SURFACES OFFSET GREATER THAN 3" AND LESS THAN OR EQUAL TO 8", USE TWO #4 REBARS AT 3" ABOVE THE LOWER ROADBED SURFACE. FOR ROADBED SURFACES OFFSET GREATER THAN 8" AND LESS THAN OR EQUAL TO 12", USE TWO #4 REBARS AT 3" ABOVE THE LOWER ROADBED SURFACE AND TWO #4 REBARS AT 8" ABOVE THE LOWER ROADBED SURFACE. FOR ROADBED SURFACES OFFSET GREATER THAN 12" AND LESS THAN OR EQUAL TO 36", USE TWO #4 REBARS AT 3" ABOVE THE LOWER ROADBED SURFACE AND TWO #4 REBARS AT EVERY 8" INCREMENT VERTICAL SPACING ABOVE THE FIRST TWO #4 REBARS.

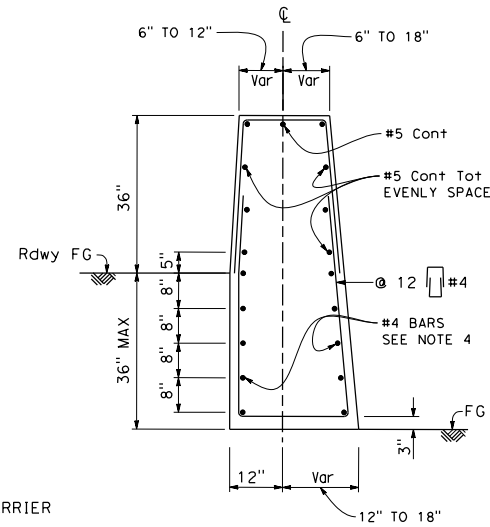


**PLAN**

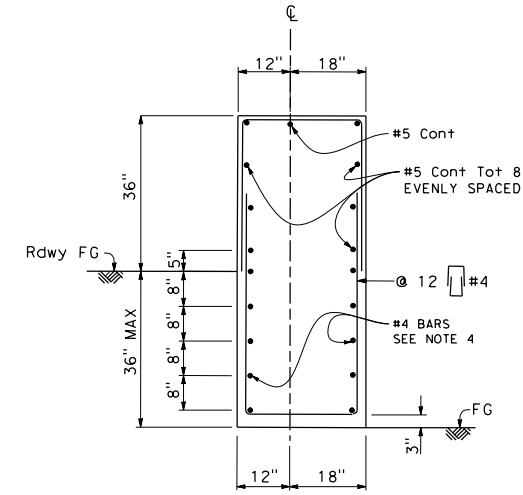


**ELEVATION**

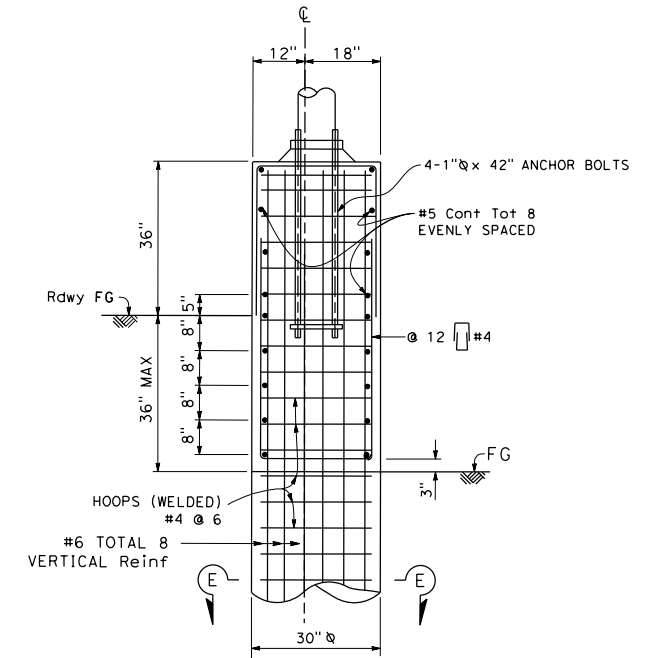
**CONCRETE BARRIER (TYPE 60MSC Mod)  
TRANSITION AT TYPE PL-28 LUMINAIRE**



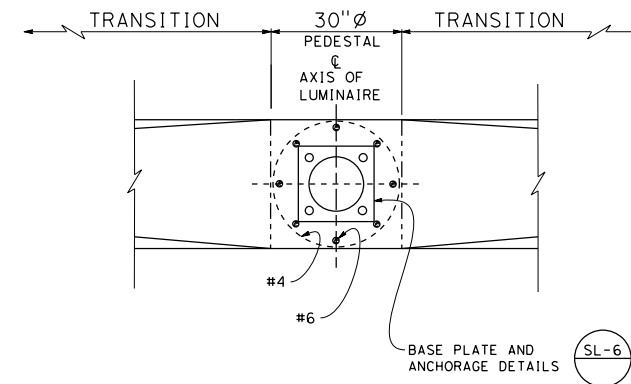
**SECTION A-A**



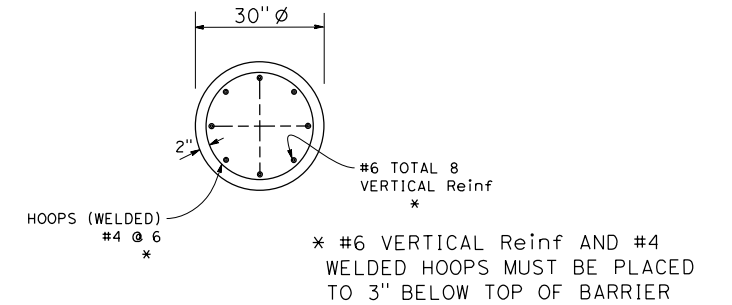
**SECTION B-B**



**SECTION C-C**



**SECTION D-D**



**SECTION E-E**

**CONSTRUCTION DETAILS**

NO SCALE

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

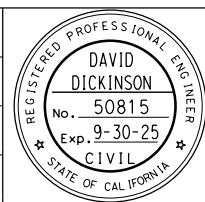
YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER

DRAWN BY:  
S. DWYER

CHECKED BY:  
D. DICKINSON

APPROVED BY:  
D. DICKINSON



*Del. J. H.*

REGISTERED CIVIL ENGINEER

1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE

WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**WMH**

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USERNAME => sdwyer

CADD FILENAME => YB1Hgo003.dgn

CONTRACT NO. 23/24-07

SHEET NAME	SHEET NO.	TOTAL SHEETS
C-3	22	123

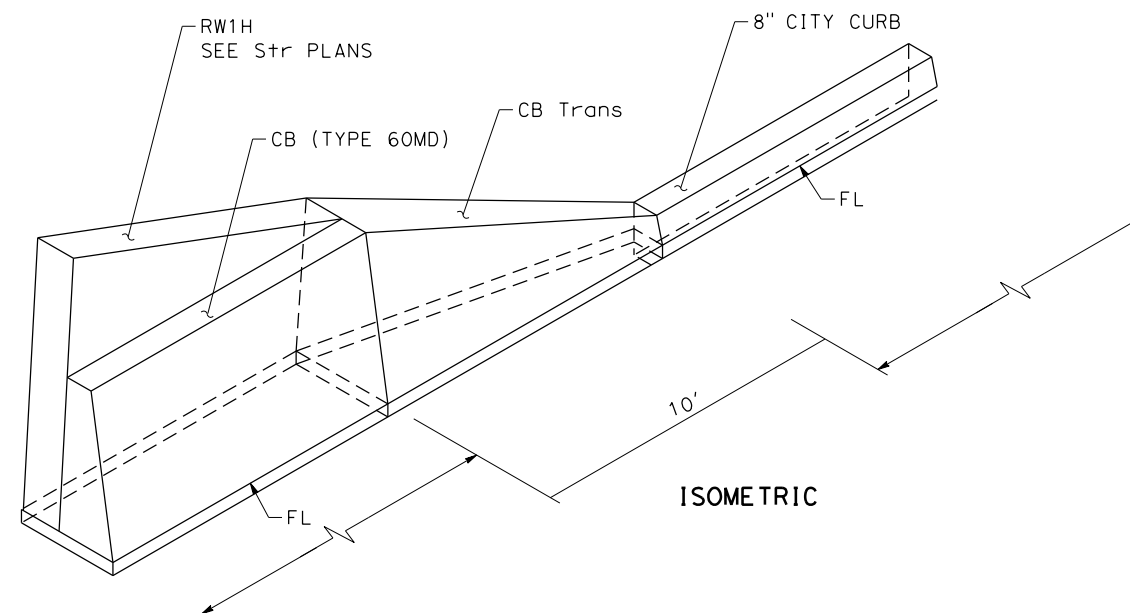
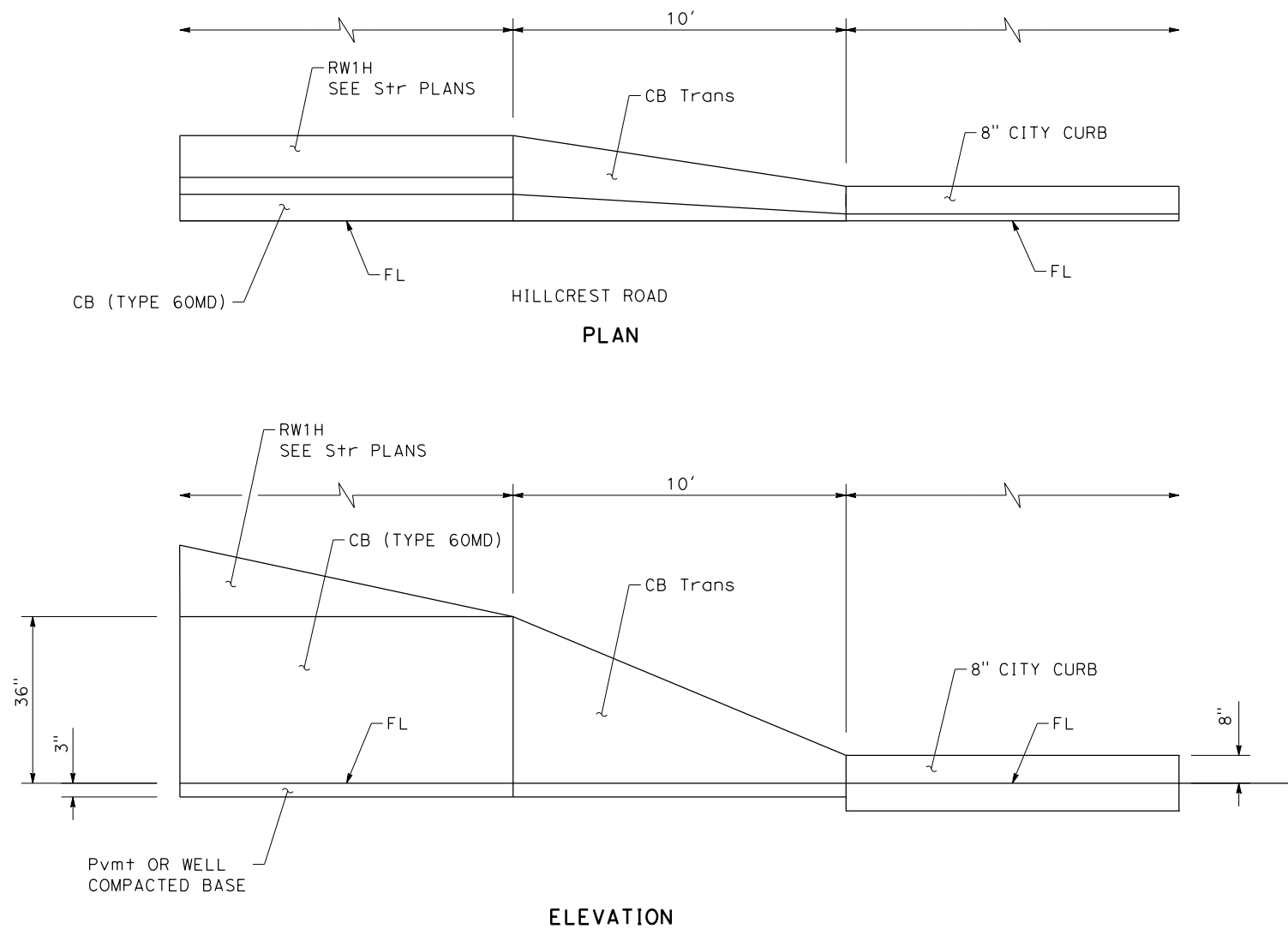
LAST REVISION: 1-21-24

DATE PLOTTED => 1/29/2024

TIME PLOTTED => 1:35:05 PM

**NOTES:**

- FOR CONCRETE BARRIER DETAILS NOT SHOWN SEE STANDARD PLAN A76A.
- CONCRETE BARRIER TRANSITION PAID AS CONCRETE BARRIER (TYPE 60MD).



**CONCRETE BARRIER TRANSITION (CB TYPE 60MD TO 8" CITY CURB)**

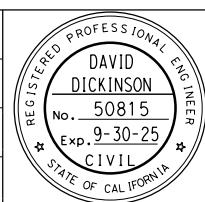
**CONSTRUCTION DETAILS**

NO SCALE

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. S.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE  
1-24-24  
PLANS APPROVAL DATE  
*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

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OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
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USERNAME => sdwyer		
CADD FILENAME => YB1Hgo004.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>C-4</b>	<b>23</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-22-24	TIME PLOTTED => 1:35:07 PM	

BORDER LAST REVISED 1/24/2024

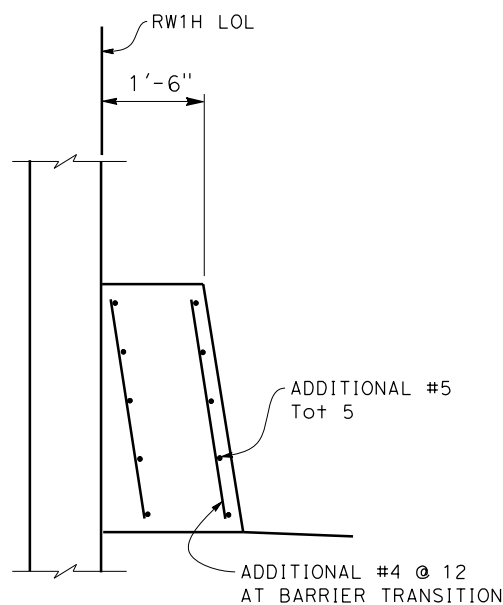
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

**ISSUED FOR BID 1-31-24**

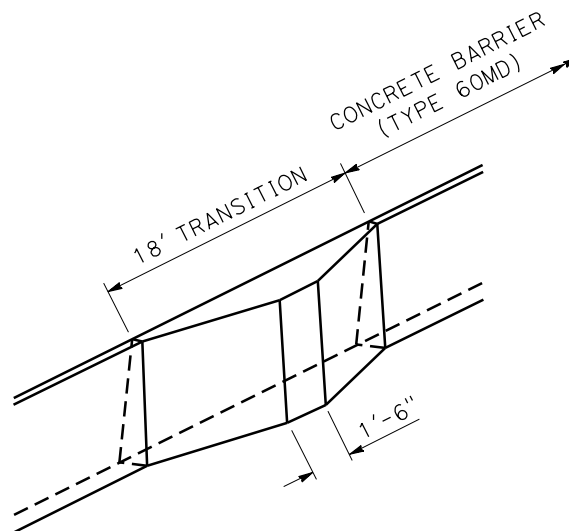
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**NOTES:**

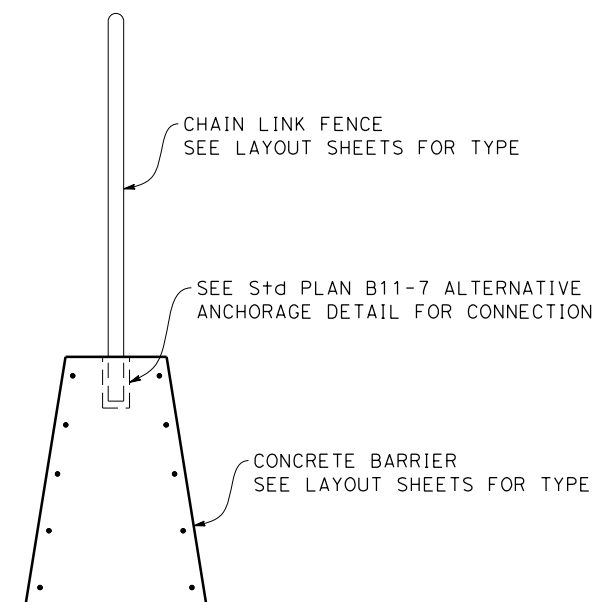
1. FOR CONCRETE BARRIER DETAILS NOT SHOWN SEE STANDARD PLAN A76A.
2. CONCRETE BARRIER TRANSITION PAID AS CONCRETE BARRIER (TYPE 60MD).



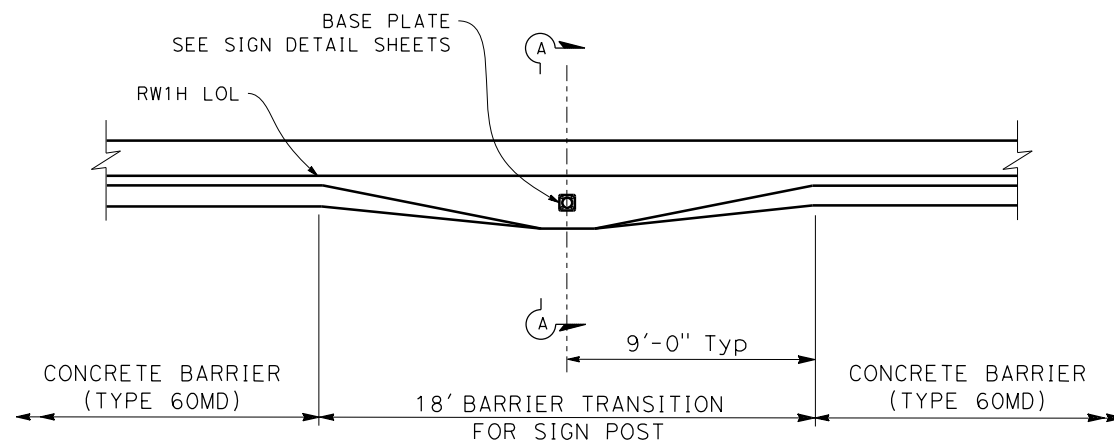
**SECTION A-A**



**ISOMETRIC**



**CHAIN LINK FENCE CONNECTION TO CONCRETE BARRIER**



**PARTIAL PLAN**

**BARRIER TRANSITION AT SIGN POST**

**CONSTRUCTION DETAILS**

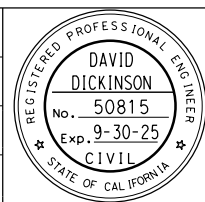
NO SCALE

C:\Users\sdwyer\Desktop\Desktop\_YB1\Hillcrest\CAD\YB1\Hga005.dgn

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



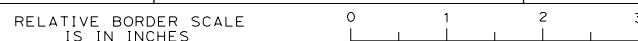
*Del. S.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE  
1-24-24  
PLANS APPROVAL DATE  
*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

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OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
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USERNAME => sdwyer		
CADD FILENAME => YB1Hga005.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>C-5</b>	<b>24</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-23-24	TIME PLOTTED => 1:35:08 PM	

BORDER LAST REVISED 1/24/2024








**ISSUED FOR BID 1-31-24**

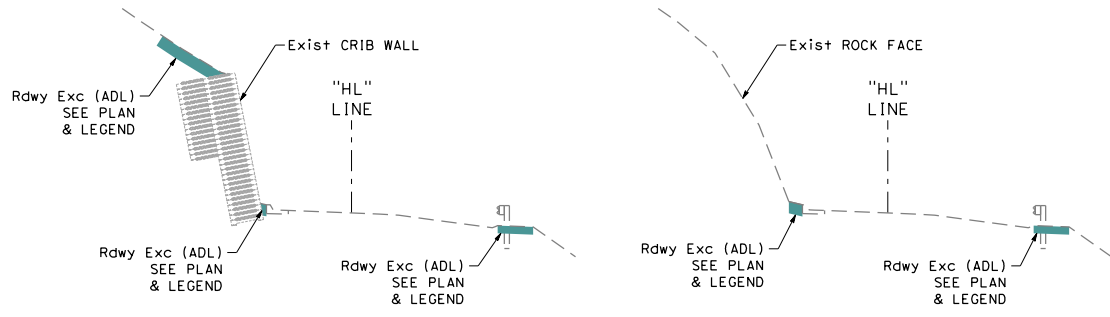


**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
- ALL SOIL EXCAVATION WITHIN PARCEL 1 AND PARCEL 3 ARE SUBJECT TO THE DEPARTMENT OF TOXIC SUBSTANCE CONTROL (DTSC) APPROVED SOIL MANAGEMENT PLAN.

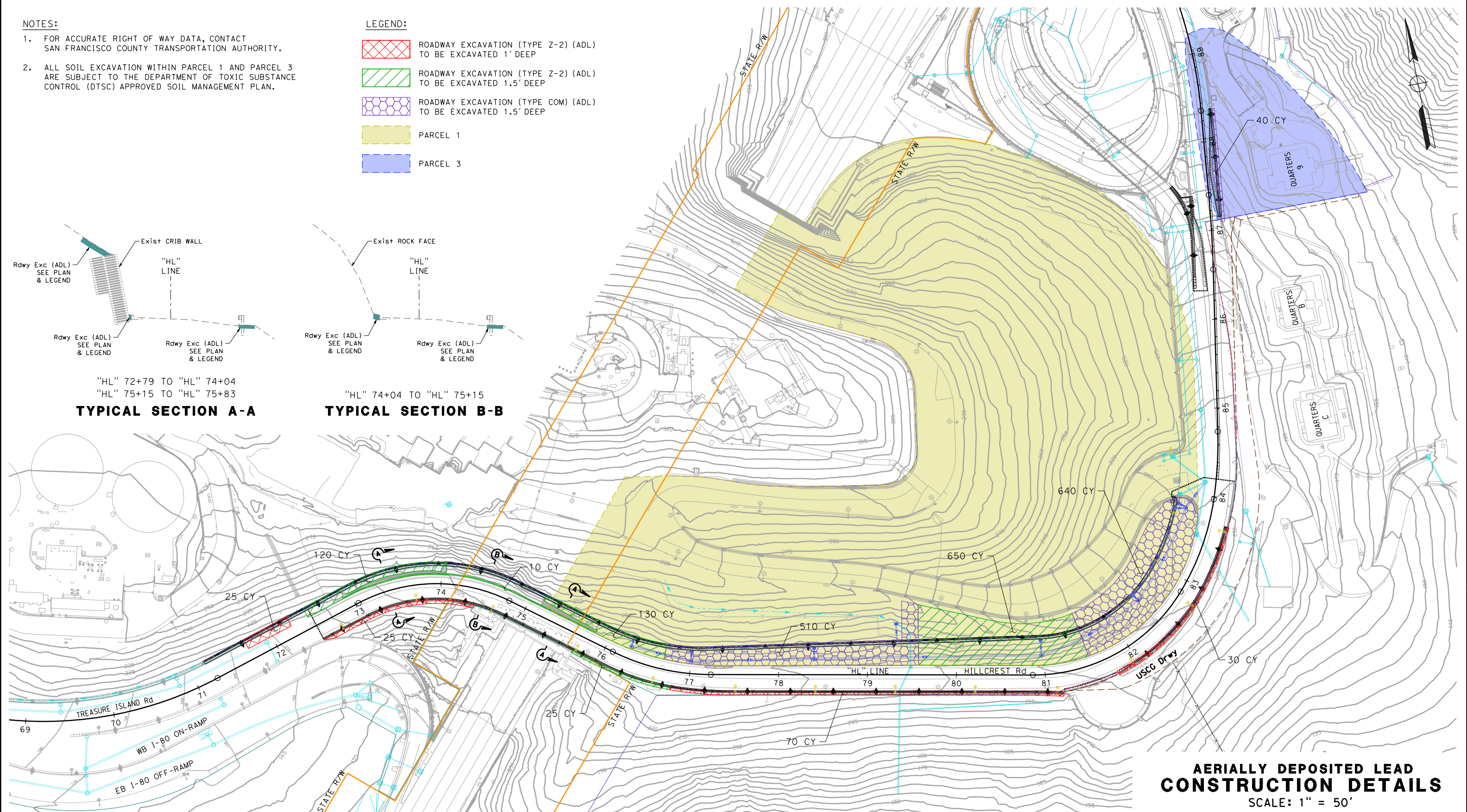
**LEGEND:**

-  ROADWAY EXCAVATION (TYPE Z-2) (ADL) TO BE EXCAVATED 1' DEEP
-  ROADWAY EXCAVATION (TYPE Z-2) (ADL) TO BE EXCAVATED 1.5' DEEP
-  ROADWAY EXCAVATION (TYPE COM) (ADL) TO BE EXCAVATED 1.5' DEEP
-  PARCEL 1
-  PARCEL 3



"HL" 72+79 TO "HL" 74+04  
"HL" 75+15 TO "HL" 75+83  
**TYPICAL SECTION A-A**

"HL" 74+04 TO "HL" 75+15  
**TYPICAL SECTION B-B**

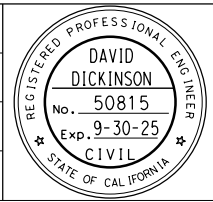


**AERIALLY DEPOSITED LEAD CONSTRUCTION DETAILS**  
SCALE: 1" = 50'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

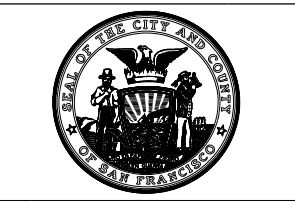
DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS APPROVAL DATE

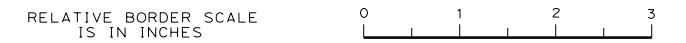
1-24-24  
PLANS SUBMITTAL DATE  
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OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
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USERNAME => sdwyer		
CADD FILENAME => YB1Hgo006.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>C-6</b>	<b>25</b>	<b>123</b>
LAST REVISION DATE PLOTTED => 1/29/2024		
1-23-24 TIME PLOTTED => 1:35:09 PM		

BORDER LAST REVISED 1/24/2024

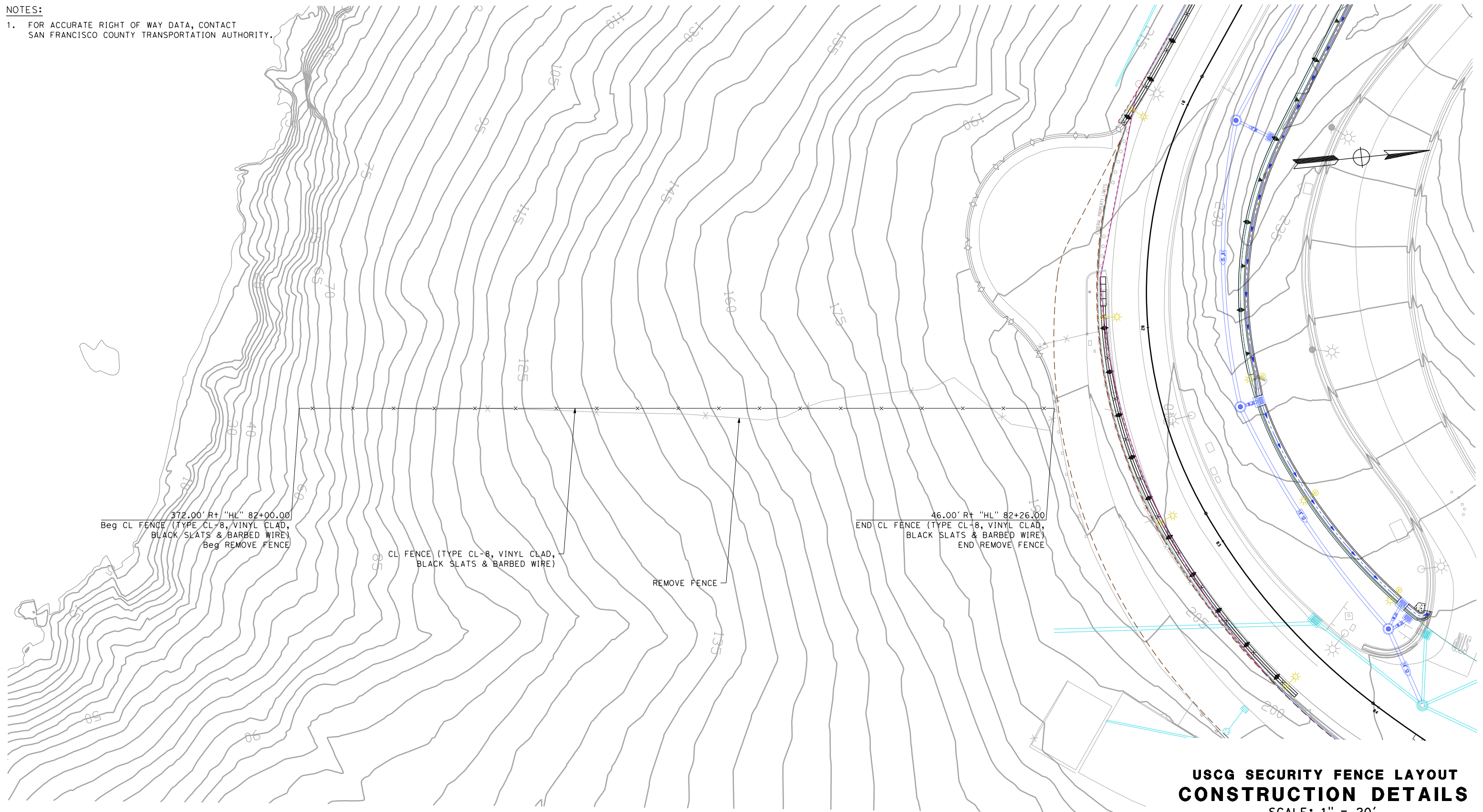


**ISSUED FOR BID 1-31-24**



**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.

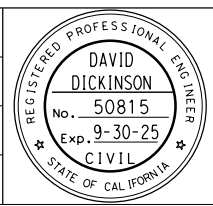


**USCG SECURITY FENCE LAYOUT  
CONSTRUCTION DETAILS**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*S. Dwyer*  
REGISTERED CIVIL ENGINEER

1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE

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**WMH**

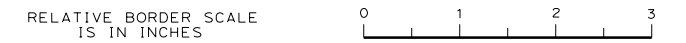
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer  
CADD FILENAME => YB1Hgo007.dgn  
CONTRACT NO. 23/24-07

SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>C-7</b>	<b>26</b>	<b>123</b>

LAST REVISION: 1-19-24  
DATE PLOTTED => 1/29/2024  
TIME PLOTTED => 1:35:11 PM



**ISSUED FOR BID 1-31-24**

C:\Users\sdwyer\Desktop\Desktop\_YB1Hgo007.dgn

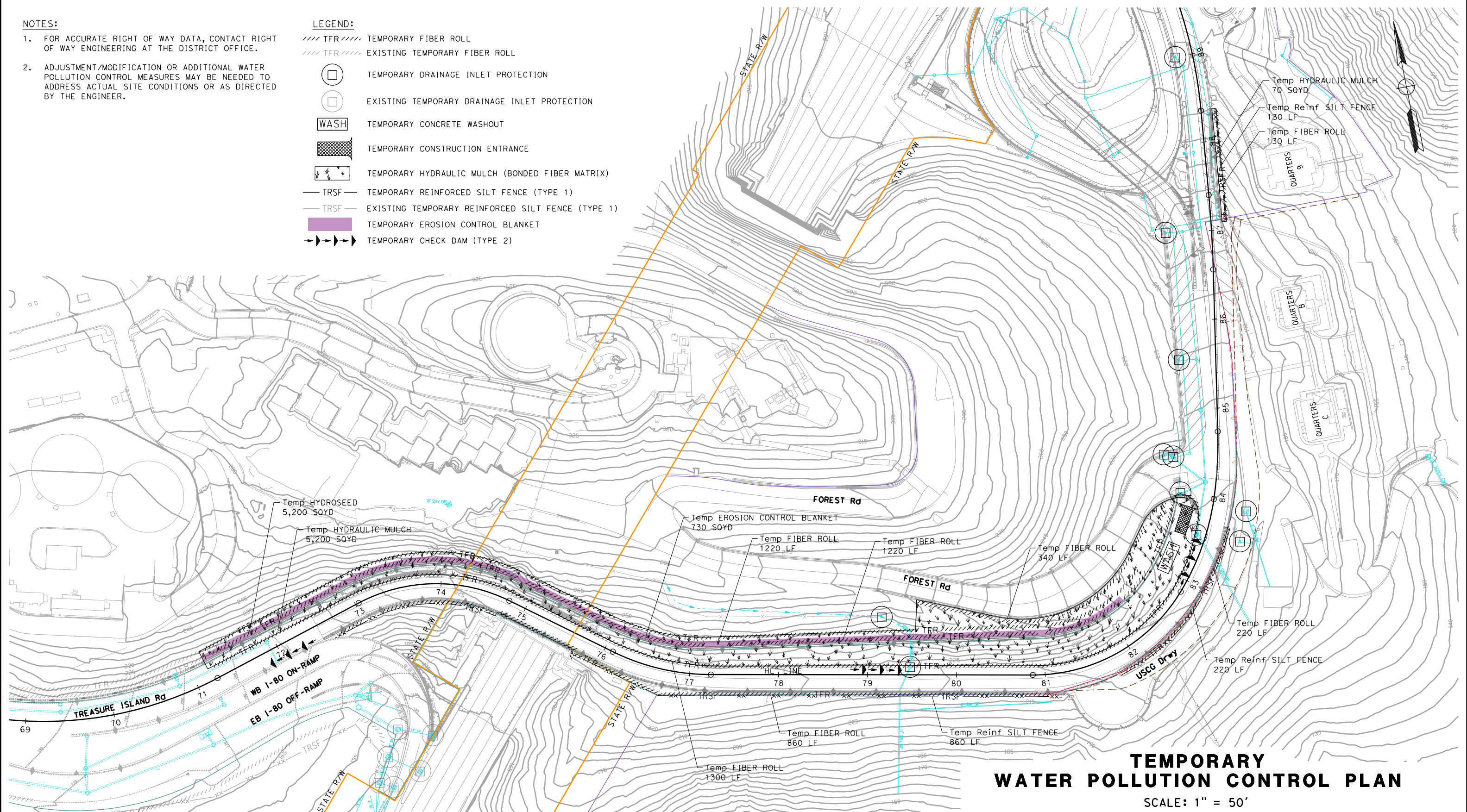


**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ADJUSTMENT/MODIFICATION OR ADDITIONAL WATER POLLUTION CONTROL MEASURES MAY BE NEEDED TO ADDRESS ACTUAL SITE CONDITIONS OR AS DIRECTED BY THE ENGINEER.

**LEGEND:**

- //// TFR //// TEMPORARY FIBER ROLL
- //// TFR //// EXISTING TEMPORARY FIBER ROLL
- TEMPORARY DRAINAGE INLET PROTECTION
- EXISTING TEMPORARY DRAINAGE INLET PROTECTION
- WASH TEMPORARY CONCRETE WASHOUT
- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)
- TRSF — TEMPORARY REINFORCED SILT FENCE (TYPE 1)
- TRSF — EXISTING TEMPORARY REINFORCED SILT FENCE (TYPE 1)
- TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY CHECK DAM (TYPE 2)

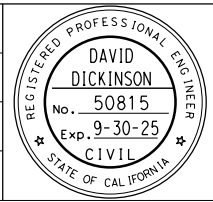


**TEMPORARY  
WATER POLLUTION CONTROL PLAN**  
SCALE: 1" = 50'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE

WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

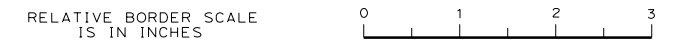
**WMH**

1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
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USERNAME => sdwyer		
CADD FILENAME => YB1Hgb001.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>WPC-1</b>	<b>27</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-19-24	TIME PLOTTED => 1:35:12 PM	

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**

**TEMPORARY HYDROSEED MIX**

BOTANICAL NAME (COMMON NAME)	BULK POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
BROMUS CARINATUS (CALIFORNIA BROME)	25
ELYMUS GLAUCUS (BLUE WILD RYE)	10
FESTUCA MICROSTACHYS (SMALL FESCUE)	6
TROFOLIUM CILIOLATUM (NATIVE CLOVER)	4

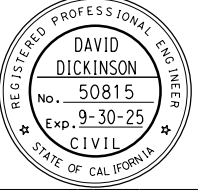
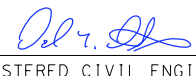



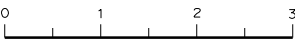
**TEMPORARY  
WATER POLLUTION CONTROL QUANTITIES**

SHEET No.	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	TEMPORARY HYDROSEED	TEMPORARY EROSION CONTROL BLANKET	TEMPORARY FIBER ROLL	TEMPORARY REINFORCED SILT FENCE (TYPE 1)	TEMPORARY CHECK DAM	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY CONSTRUCTION ENTRANCE	TEMPORARY CONCRETE WASHOUT	MOVE-IN / MOVE-OUT (TEMPORARY EROSION CONTROL)
	SQYD			LF			EA			
WPC-1	5,200	5,200	727	5,290	1,210	500	11	1	1	2
SUBTOTAL	5,200	5,200	727	5,290	1,210	500	11	1	1	2
SUPPLEMENTAL	5,200	5,200								
<b>TOTAL</b>	<b>10,400</b>	<b>10,400</b>	<b>727</b>	<b>5,290</b>	<b>1,210</b>	<b>500</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>2</b>

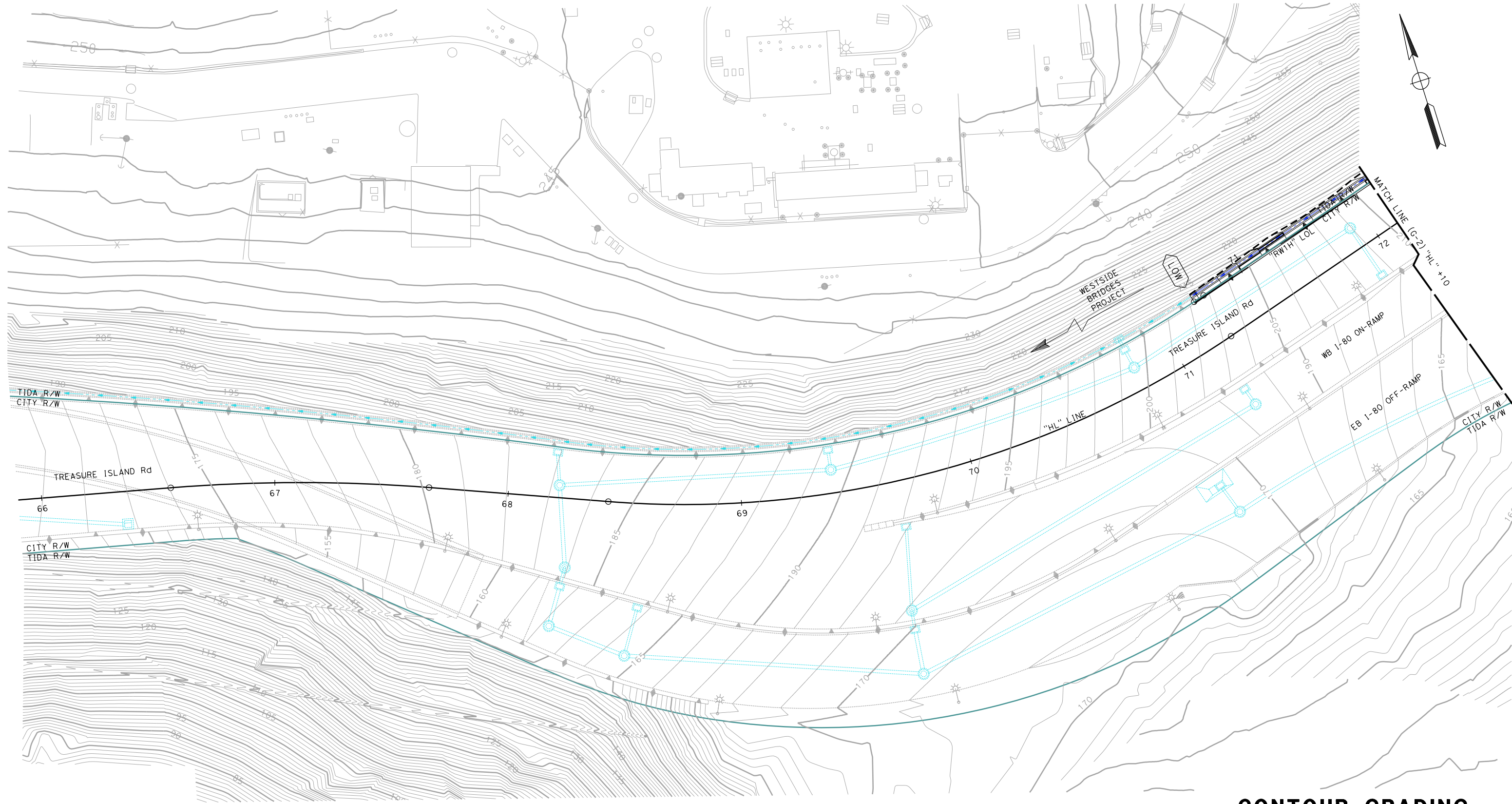
**TEMPORARY  
WATER POLLUTION CONTROL QUANTITIES**

NO SCALE

C:\Users\sdwyer\Desktop\Desktop\YB1\Hillcrest\CAD\YB1Hgd001.dgn

YERBA BUENA ISLAND HILLCREST ROAD IMPROVEMENT PROJECT		DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON		 REGISTERED CIVIL ENGINEER	1-24-24 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer CADD FILENAME => YB1Hgd001.dgn CONTRACT NO. <b>23/24-07</b>
TABLE OF REVISIONS		PROJECT DESCRIPTION		1-24-24 PLANS APPROVAL DATE	WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	ISSUED FOR BID 1-31-24			SHEET NAME: <b>WPCQ-1</b> SHEET NO.: <b>28</b> TOTAL SHEETS: <b>123</b>
BORDER LAST REVISED 1/24/2024		RELATIVE BORDER SCALE IS IN INCHES					LAST REVISION: 1-19-24    DATE PLOTTED => 1/29/2024 TIME PLOTTED => 1:35:14 PM		





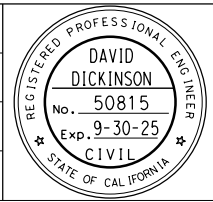
**CONTOUR GRADING**  
SCALE: 1" = 20'

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NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS APPROVAL DATE

1-24-24  
PLANS SUBMITTAL DATE  
*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



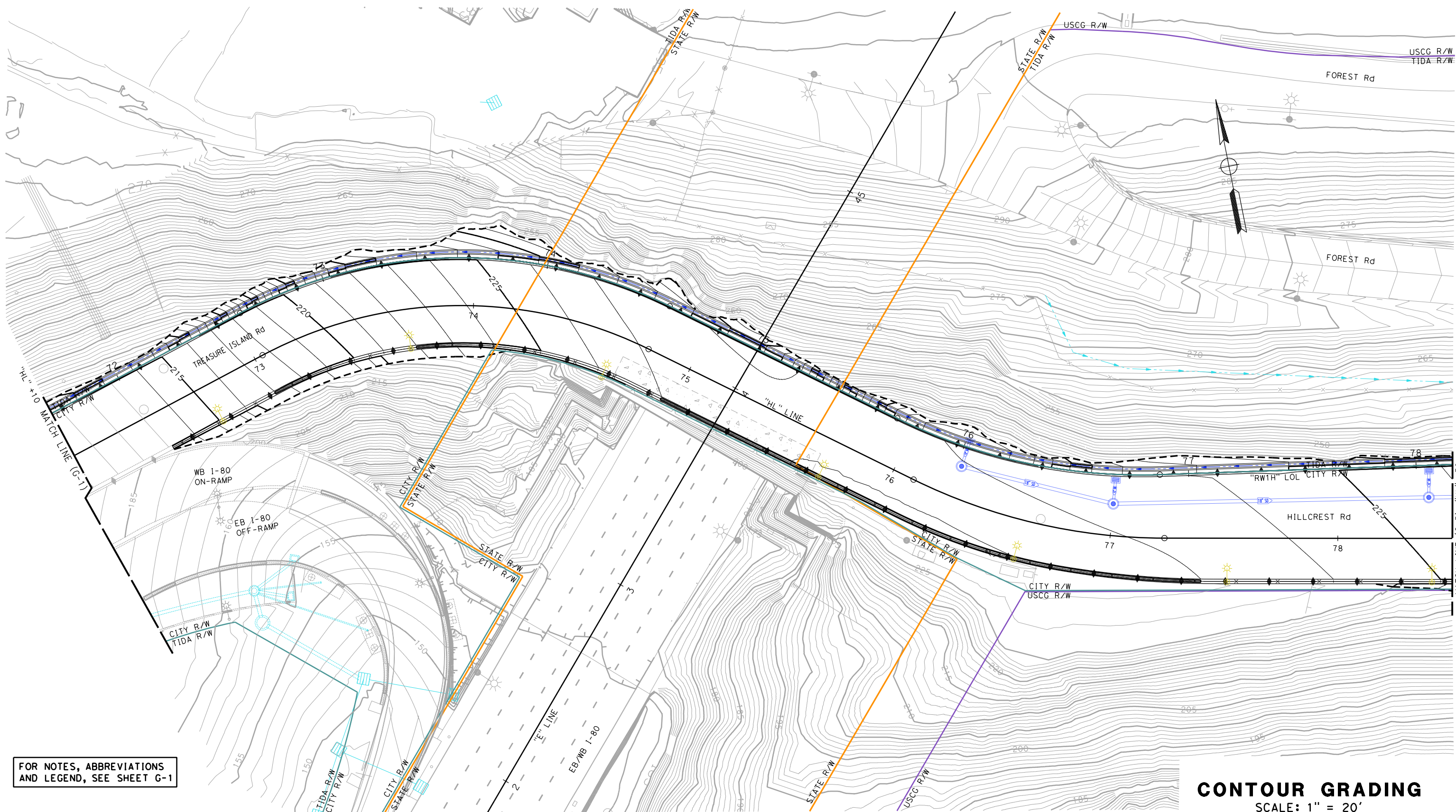
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CADD FILENAME => YB\Hh0001.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
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LAST REVISION DATE PLOTTED => 1/26/2024		
1-23-24 TIME PLOTTED => 1:35:16 PM		

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**





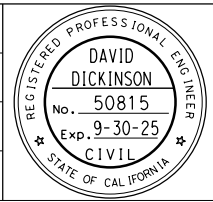
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET G-1

**CONTOUR GRADING**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

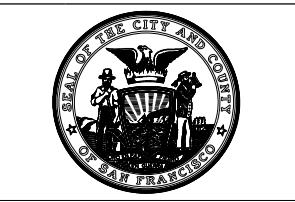
DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

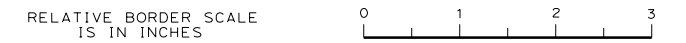
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PLANS APPROVAL DATE  
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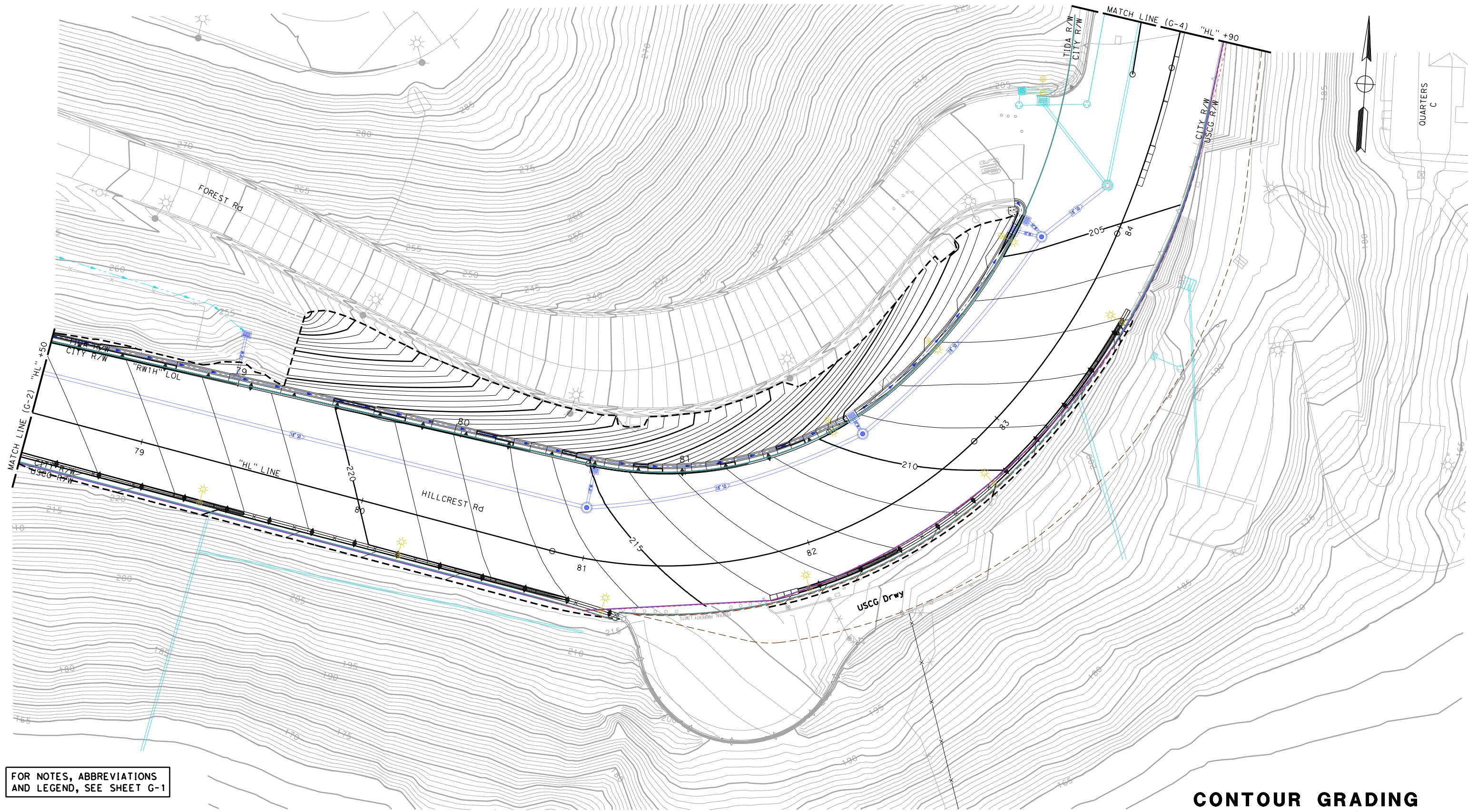
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1-23-24	TIME PLOTTED => 1:35:17 PM	

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**





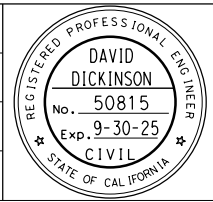
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET G-1

**CONTOUR GRADING**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
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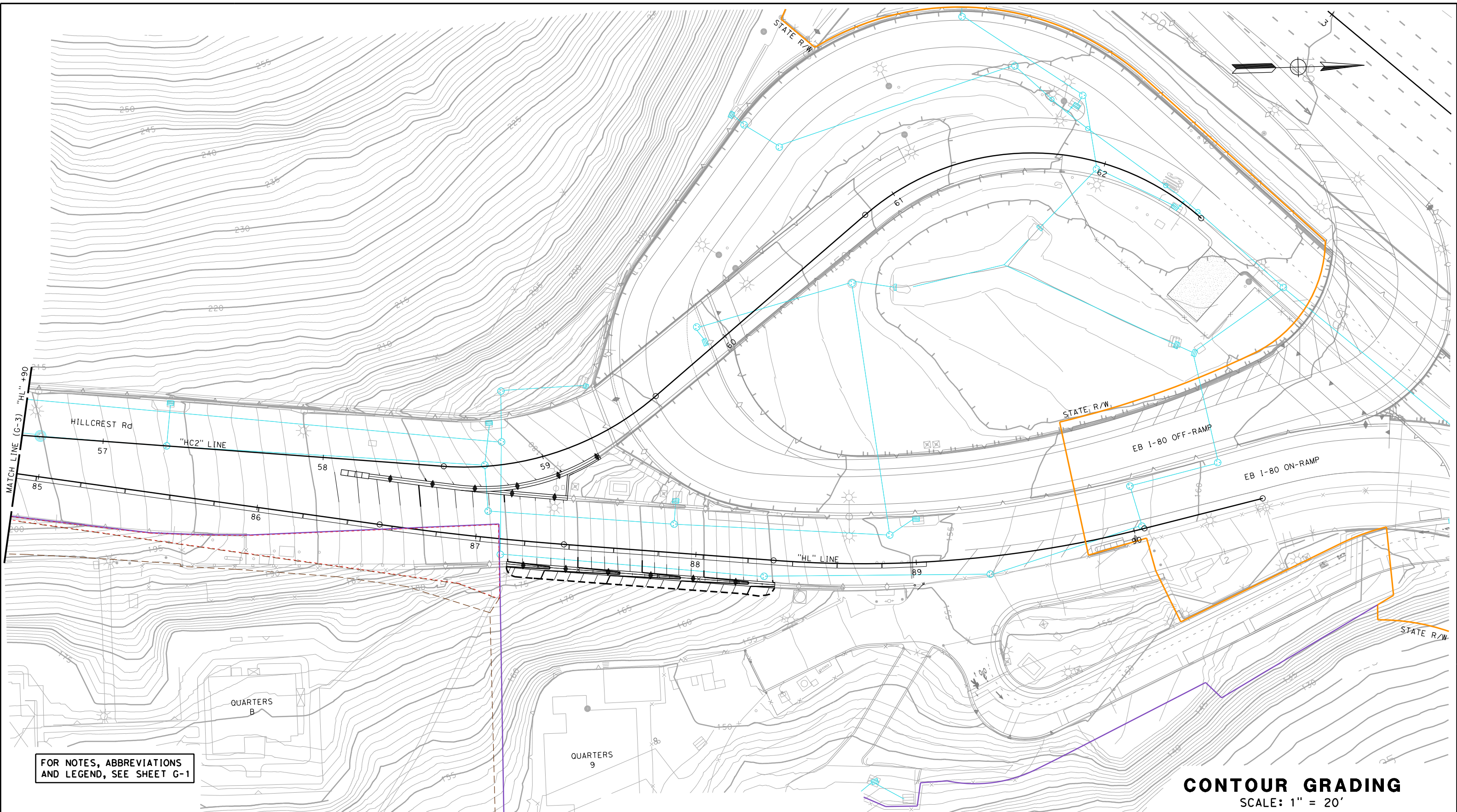
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LAST REVISION DATE PLOTTED => 1/29/2024		
1-23-24 TIME PLOTTED => 1:35:20 PM		

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**





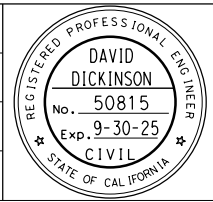
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET G-1

**CONTOUR GRADING**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

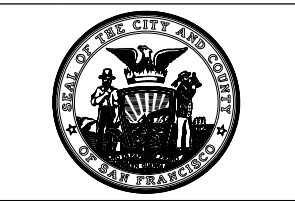
DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*S. Dwyer*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

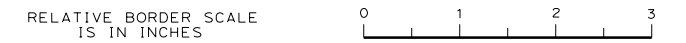
1-24-24  
PLANS APPROVAL DATE  
*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

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OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
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www.wmhcorporation.com



USERNAME => sdwyer		
CADD FILENAME => YBIHh004.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
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LAST REVISION	DATE PLOTTED => 1/29/2024	
1-23-24	TIME PLOTTED => 1:35:23 PM	

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**



**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED ON PLANS.
- CONFLICTING STRIPING AND PAVEMENT MARKINGS SHALL BE REMOVED.
- EXACT LOCATION OF PAVEMENT MARKINGS TO BE DETERMINED BY THE ENGINEER.
- ALL CHEVRON AND DIAGONAL MARKINGS SHALL BE ANGLED 45° FROM ETW.
- ALL DELINEATORS (CLASS 1) SHALL BE PLACED AT 20' O.C. INTERVAL, UNLESS OTHERWISE STATED.
- SFMTA MAY INCORPORATE FINAL REVISIONS TO THE SIGNING AND STRIPING PLANS AT A LATER DATE AND IN THE FIELD DURING INSTALLATION. NEW ROADSIDE SIGNS SHALL CONFORM TO THE LATEST PROVISIONS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD), CCSF STANDARD PLANS AND THE PROJECT SPECIAL PROVISIONS.

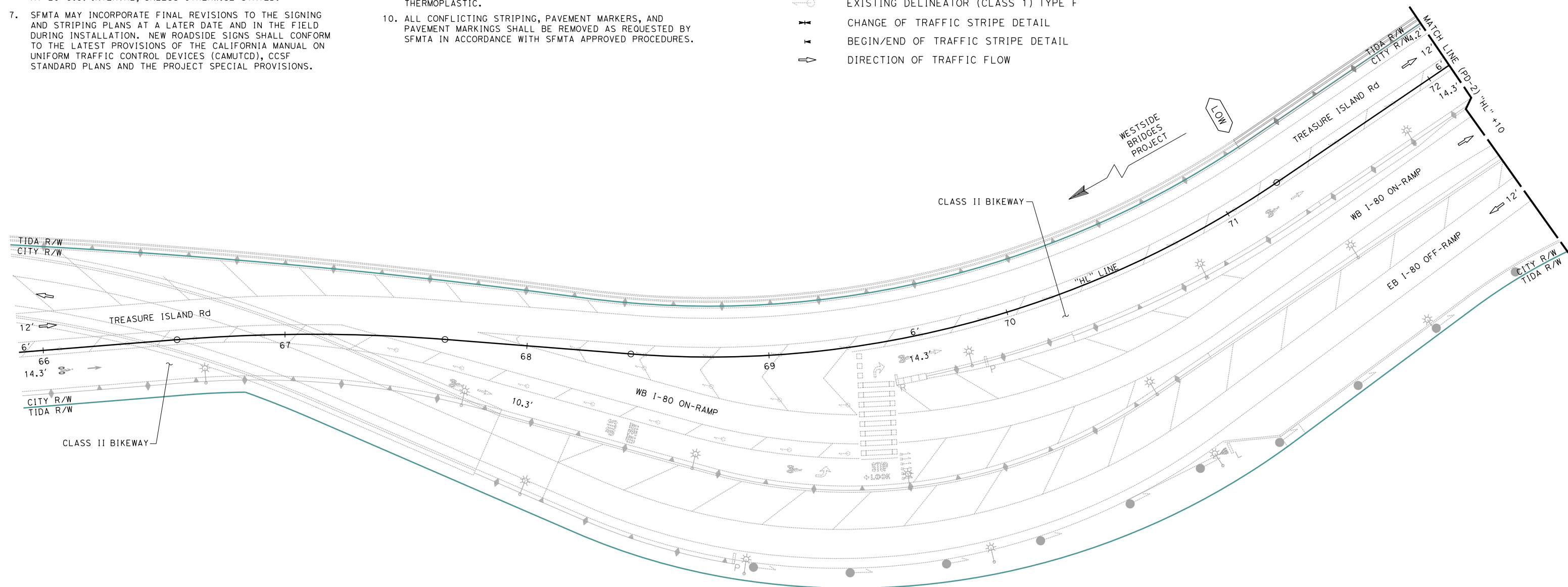
- ALL PAVEMENT MARKINGS SHOWN ON THESE PLANS, WITHIN CITY R/W, SHALL BE FURNISHED AND INSTALLED BY THE CCSF (SFMTA). FINAL CONFIGURATION AND QUANTITIES OF STRIPING SHALL BE DETERMINED BY SFMTA FOLLOWING FINAL COMPLETION OF STRUCTURES AND ROADWAY PAVEMENT. THE INSTALLATION COST OF PAVEMENT MARKINGS SHALL BE PAID FOR BY THE CONTRACTOR AND BE INSTALLED BY SFMTA.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL SUBMIT A COMPLETE SET OF CONSTRUCTION SIGNING AND STRIPING PLANS TO SFMTA FOR APPROVAL. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SIGNING AND STRIPING AS REQUIRED WITH SFMTA AND CALTRANS STANDARDS. SFMTA PERMITS THE USE OF TEMPORARY STRIPING TAPE FOR UP TO 30 DAYS; ALL STRIPING INSTALLATION EXCEEDING THAT DURATION SHALL BE THERMOPLASTIC.
- ALL CONFLICTING STRIPING, PAVEMENT MARKERS, AND PAVEMENT MARKINGS SHALL BE REMOVED AS REQUESTED BY SFMTA IN ACCORDANCE WITH SFMTA APPROVED PROCEDURES.

**LEGEND:**

- (No.) PAVEMENT DELINEATION DETAIL
- (B) BIKE LANE MARKING, SEE PDD-2
- (C) BIKE LANE MARKING (MODIFIED), SEE PDD-2
- L OBJECT MARKER (TYPE L)
- P OBJECT MARKER (TYPE P)
- R OBJECT MARKER (TYPE R)
- DELINEATOR (CLASS 1) TYPE F
- EXISTING DELINEATOR (CLASS 1) TYPE F
- CHANGE OF TRAFFIC STRIPE DETAIL
- BEGIN/END OF TRAFFIC STRIPE DETAIL
- DIRECTION OF TRAFFIC FLOW

**ABBREVIATIONS:**

- LL - LIMIT LINE
- SW - SOLID WHITE
- SY - SOLID YELLOW



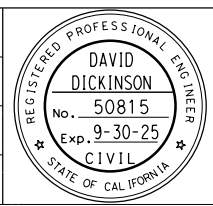
**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

C:\Users\sdwyer\Desktop\Desktop\YB1\Hilcrest\CAD\YB1Hno001.dgn

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. S.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE

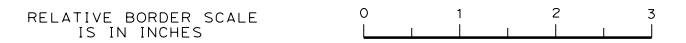
WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**WMH**

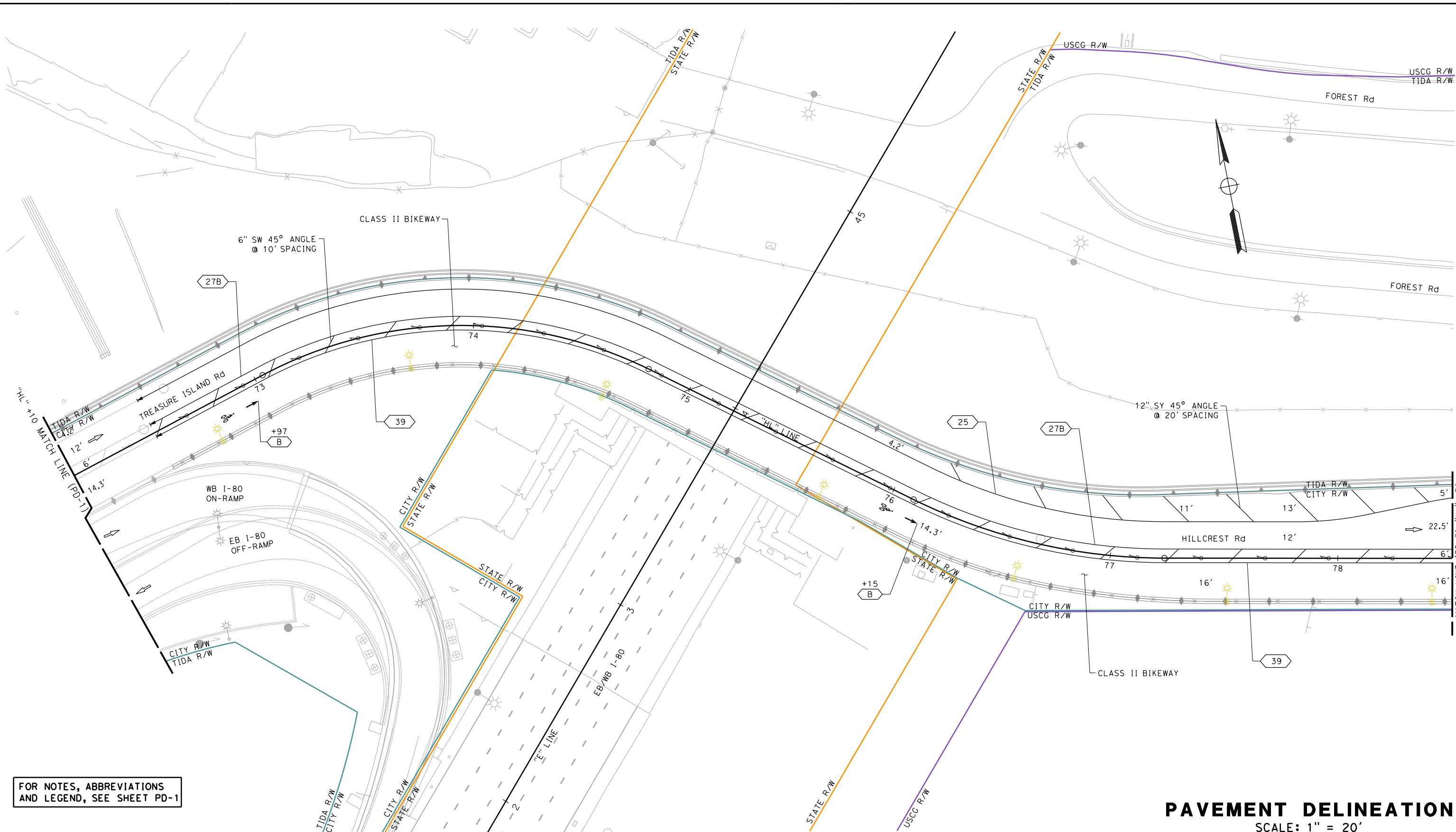
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer		
CADD FILENAME => YB1Hno001.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>PD-1</b>	<b>56</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-24-24	TIME PLOTTED => 1:36:05 PM	



**ISSUED FOR BID 1-31-24**



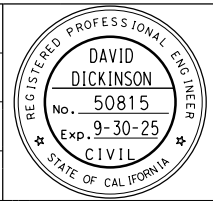
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
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**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com

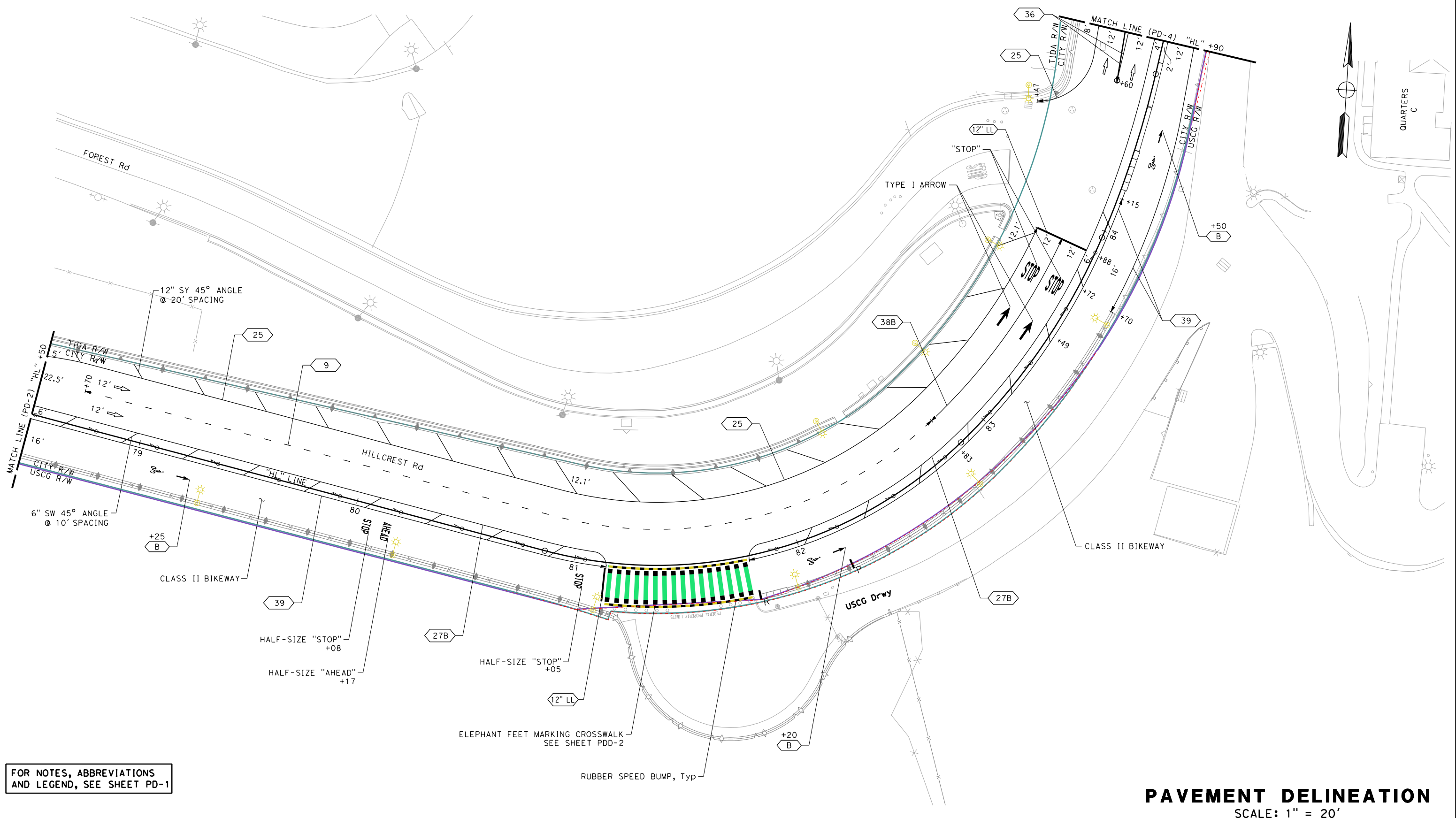


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LAST REVISION	DATE PLOTTED => 1/29/2024	
1-19-24	TIME PLOTTED => 1:36:06 PM	

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**



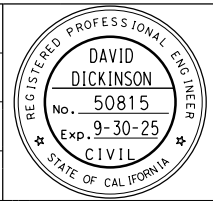
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. J. [Signature]*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS APPROVAL DATE

1-24-24  
PLANS SUBMITTAL DATE  
*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

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USERNAME => sdwyer		
CADD FILENAME => YB1Hno003.dgn		
CONTRACT NO. 23/24-07		
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1-19-24	TIME PLOTTED => 1:36:07 PM	

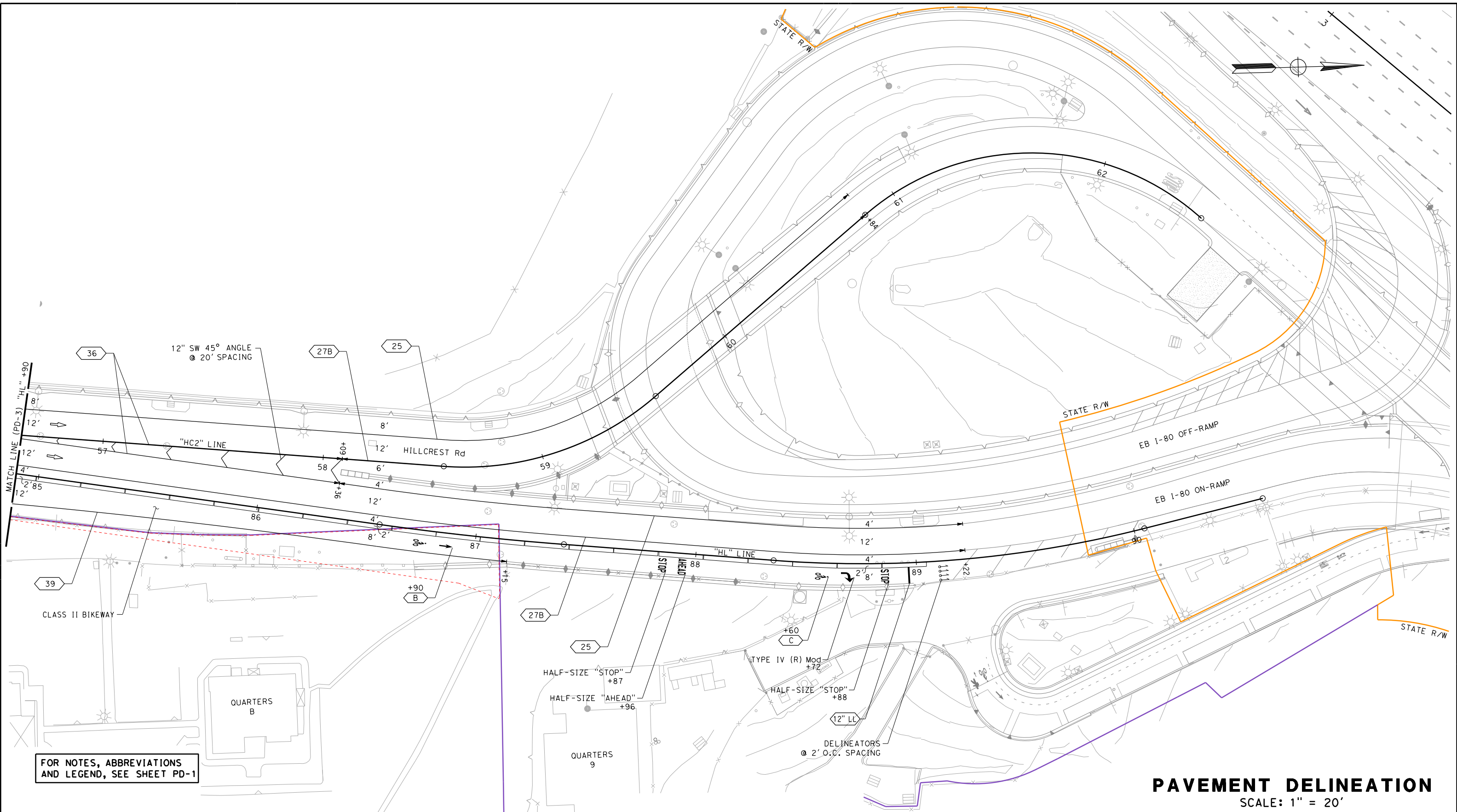
BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**

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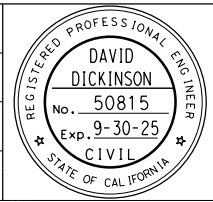
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. S.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE  
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USERNAME => sdwyer		
CADD FILENAME => YBIHno004.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
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1-19-24	TIME PLOTTED => 1:36:08 PM	

BORDER LAST REVISED 1/24/2024

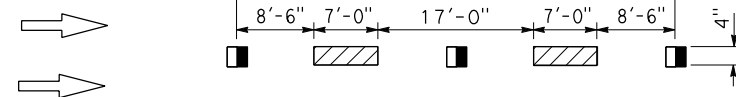


**ISSUED FOR BID 1-31-24**

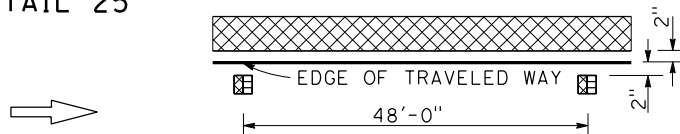
**LEGEND**

- DIRECTION OF TRAVEL
- 6" WHITE THERMOPLASTIC TRAFFIC STRIPE
- 6" YELLOW THERMOPLASTIC TRAFFIC STRIPE
- 4" WHITE THERMOPLASTIC TRAFFIC STRIPE
- TYPE C RED-CLEAR RETROREFLECTIVE PAVEMENT MARKER
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE PAVEMENT MARKER
- TYPE RY RED-YELLOW RETROREFLECTIVE PAVEMENT MARKER

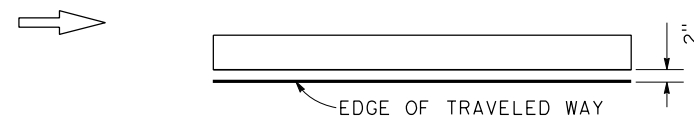
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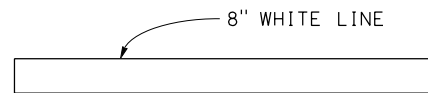
**DETAIL 25**



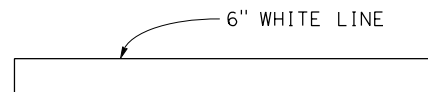
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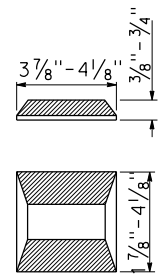
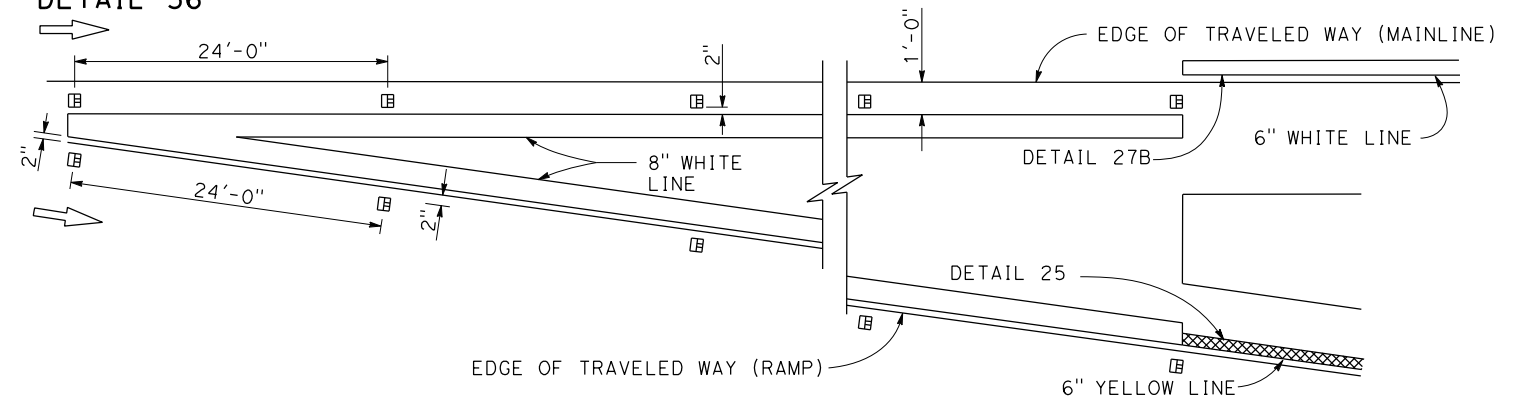
**DETAIL 38A**



**DETAIL 39**



**DETAIL 36**



**TYPE C, D AND RY**  
 RETROREFLECTIVE FACE

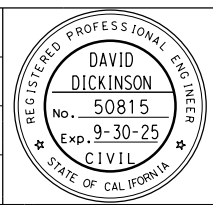
**PAVEMENT DELINEATION DETAILS**  
NO SCALE

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NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*S. Dwyer*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS APPROVAL DATE

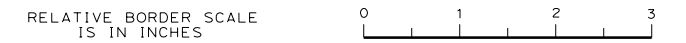
1-24-24  
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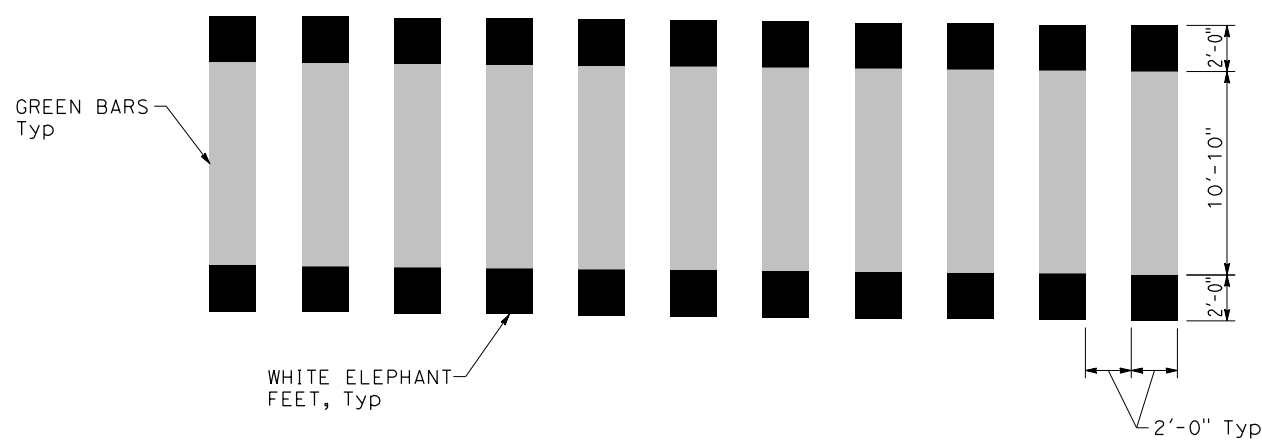
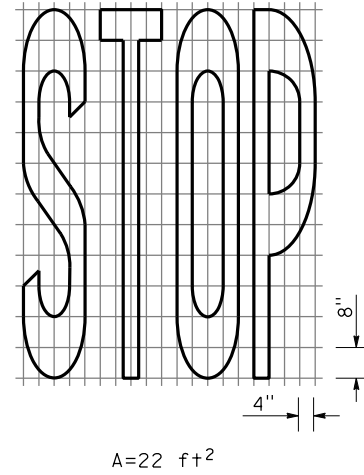
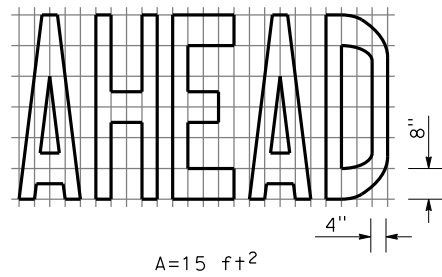
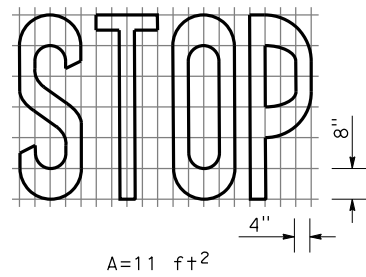


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CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>PDD-1</b>	<b>60</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-22-24	TIME PLOTTED => 1:36:09 PM	

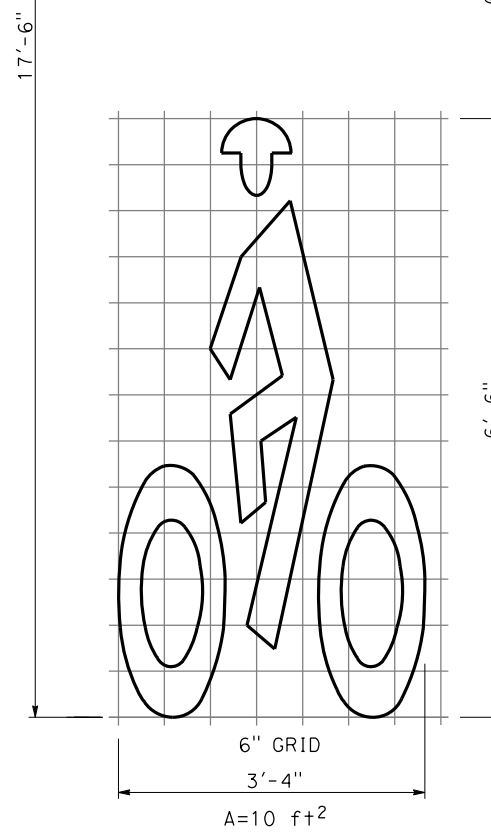
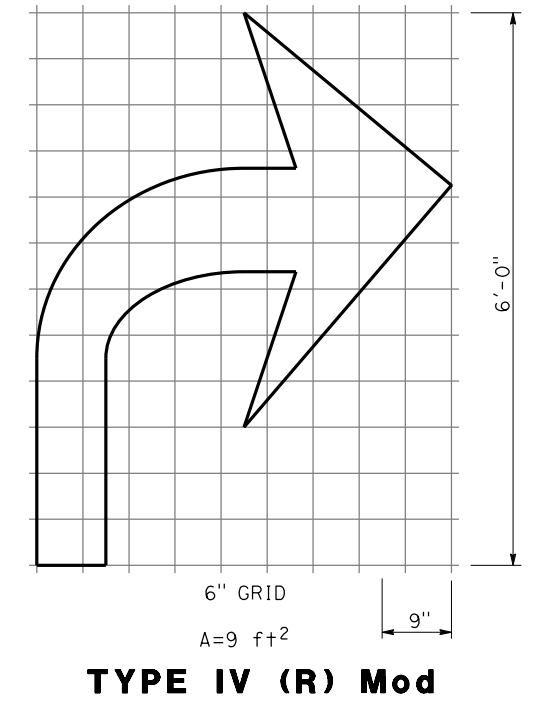
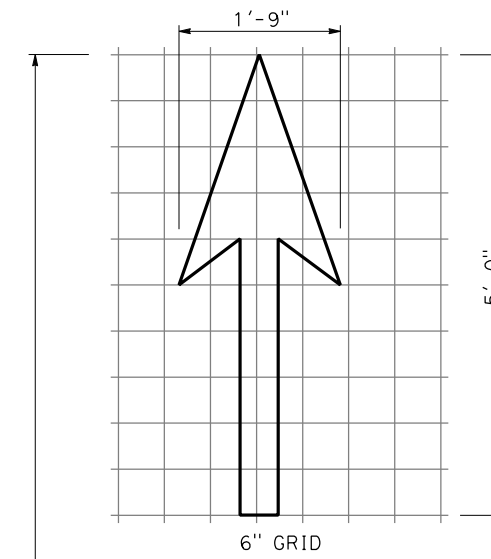
BORDER LAST REVISED 1/24/2024



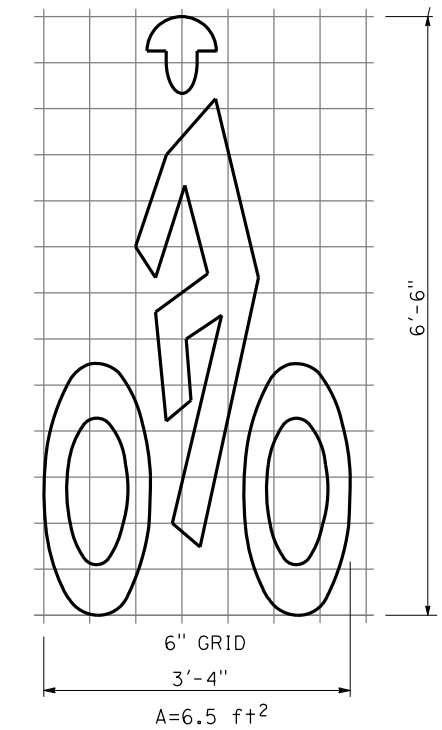
**ISSUED FOR BID 1-31-24**



**ELEPHANT FEET MARKING CROSSWALK**



**BIKE LANE MARKING**



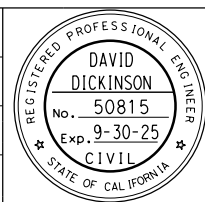
**BIKE LANE MARKING Mod**

**PAVEMENT DELINEATION DETAILS**  
NO SCALE

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*S. Dwyer*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE

*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**WMH**  
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OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com

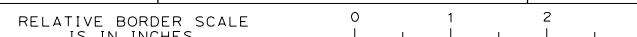


USERNAME => sdwyer  
CADD FILENAME => YB1Hnb002.dgn  
CONTRACT NO. 23/24-07

SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>PDD-2</b>	<b>61</b>	<b>123</b>

LAST REVISION: 1-22-24  
DATE PLOTTED => 1/29/2024  
TIME PLOTTED => 1:36:11 PM

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**





**NOTES:**

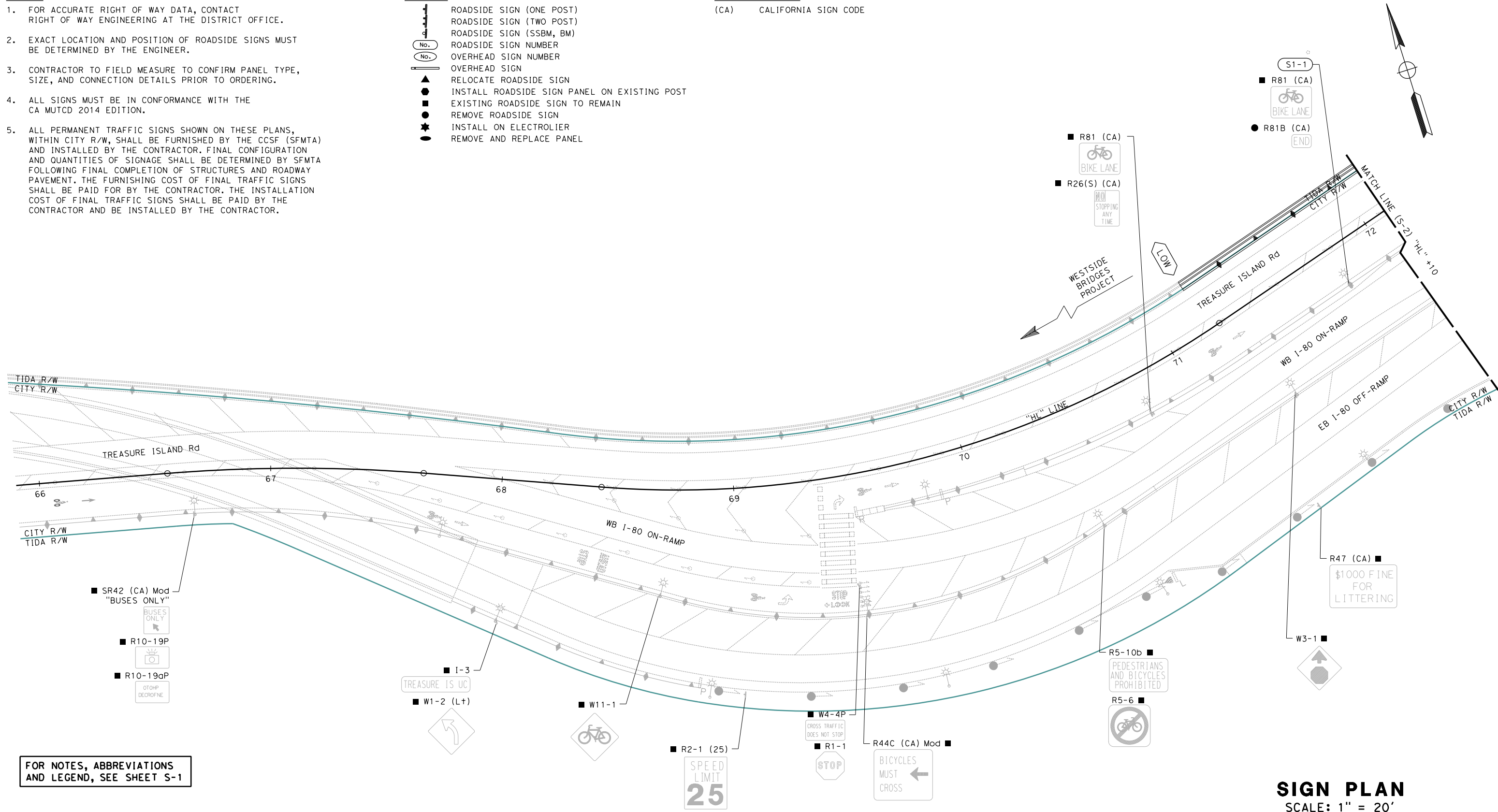
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXACT LOCATION AND POSITION OF ROADSIDE SIGNS MUST BE DETERMINED BY THE ENGINEER.
- CONTRACTOR TO FIELD MEASURE TO CONFIRM PANEL TYPE, SIZE, AND CONNECTION DETAILS PRIOR TO ORDERING.
- ALL SIGNS MUST BE IN CONFORMANCE WITH THE CA MUTCD 2014 EDITION.
- ALL PERMANENT TRAFFIC SIGNS SHOWN ON THESE PLANS, WITHIN CITY R/W, SHALL BE FURNISHED BY THE CCSF (SFMTA) AND INSTALLED BY THE CONTRACTOR. FINAL CONFIGURATION AND QUANTITIES OF SIGNAGE SHALL BE DETERMINED BY SFMTA FOLLOWING FINAL COMPLETION OF STRUCTURES AND ROADWAY PAVEMENT. THE FURNISHING COST OF FINAL TRAFFIC SIGNS SHALL BE PAID FOR BY THE CONTRACTOR. THE INSTALLATION COST OF FINAL TRAFFIC SIGNS SHALL BE PAID BY THE CONTRACTOR AND BE INSTALLED BY THE CONTRACTOR.

**LEGEND:**

- ROADSIDE SIGN (ONE POST)
- ROADSIDE SIGN (TWO POST)
- ROADSIDE SIGN (SSBM, BM)
- ROADSIDE SIGN NUMBER
- OVERHEAD SIGN NUMBER
- OVERHEAD SIGN
- RELOCATE ROADSIDE SIGN
- INSTALL ROADSIDE SIGN PANEL ON EXISTING POST
- EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- INSTALL ON ELECTROLINER
- REMOVE AND REPLACE PANEL

**ABBREVIATIONS:**

(CA) CALIFORNIA SIGN CODE



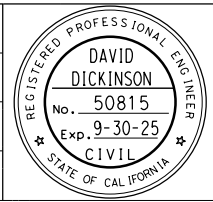
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET S-1

**SIGN PLAN**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*David Dickinson*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE  
1-24-24  
PLANS APPROVAL DATE  
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OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com

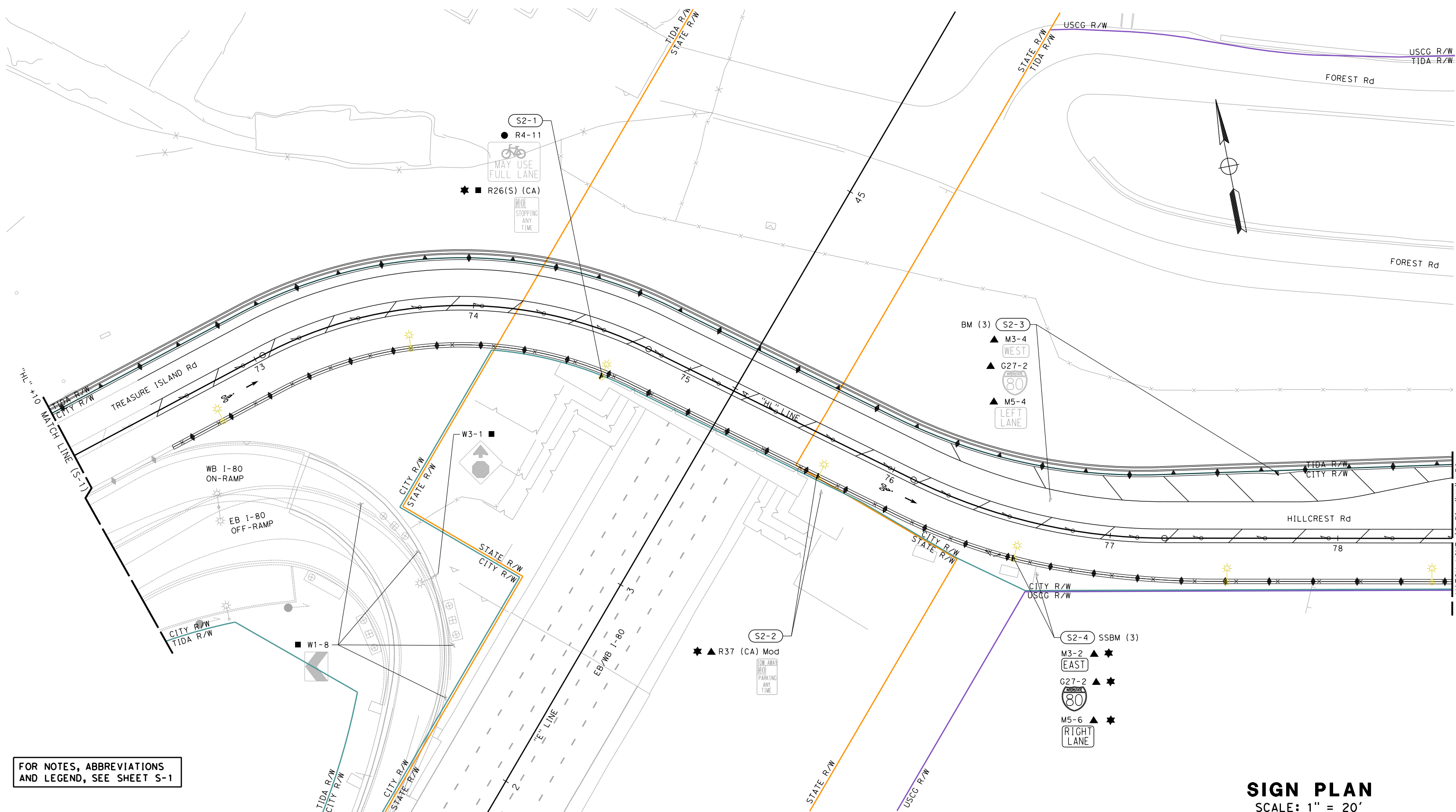


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CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
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LAST REVISION	DATE PLOTTED => 1/29/2024	
1-23-24	TIME PLOTTED => 1:36:13 PM	

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**



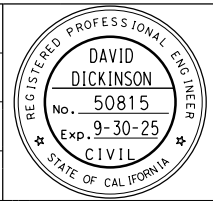
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET S-1

**SIGN PLAN**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

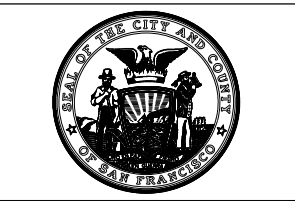
DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. H.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

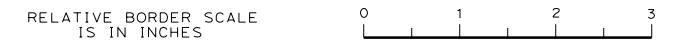
1-24-24  
PLANS APPROVAL DATE  
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USERNAME => sdwyer		
CADD FILENAME => YB1Hoo002.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
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LAST REVISION	DATE PLOTTED => 1/29/2024	
1-21-24	TIME PLOTTED => 1:36:14 PM	

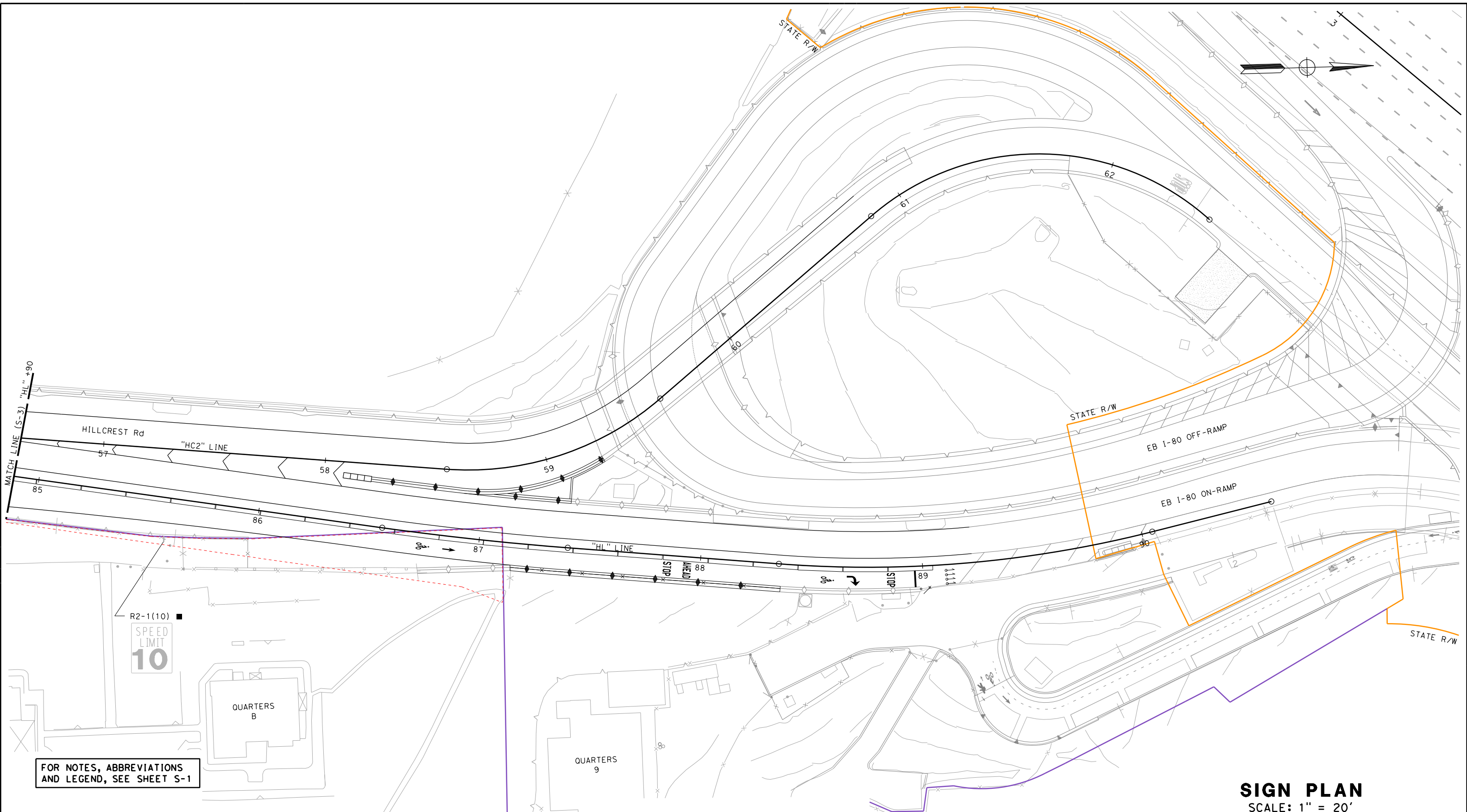
BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**







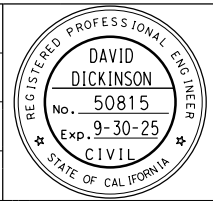
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET S-1

**SIGN PLAN**  
SCALE: 1" = 20'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. D.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

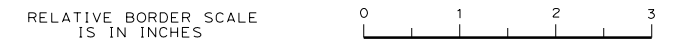
1-24-24  
PLANS APPROVAL DATE  
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OAKLAND, CA 94607  
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(510) 444-2450 (FAX)  
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USERNAME => sdwyer		
CADD FILENAME => YB1Hoo004.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>S-4</b>	<b>66</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-22-24	TIME PLOTTED => 1:36:17 PM	

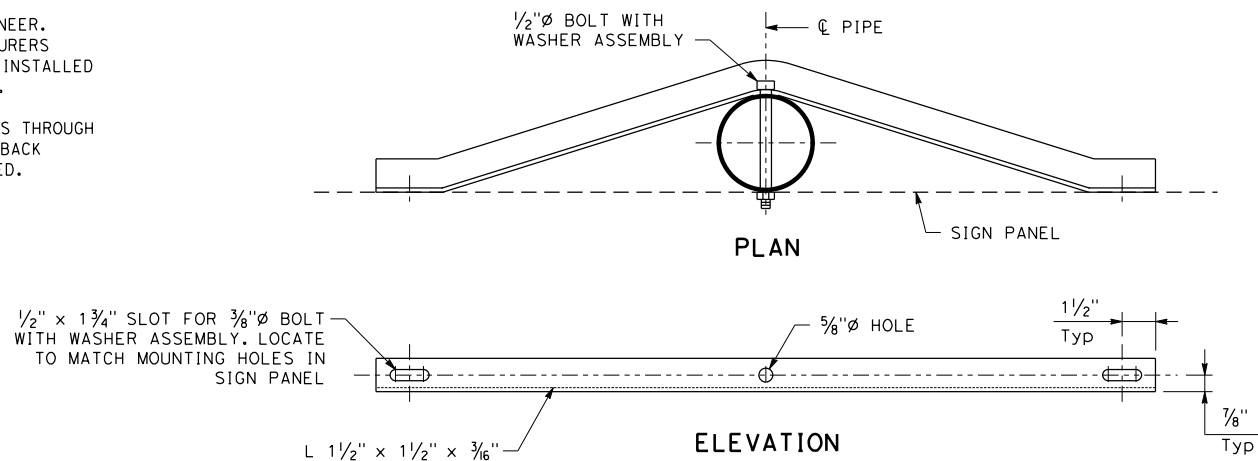
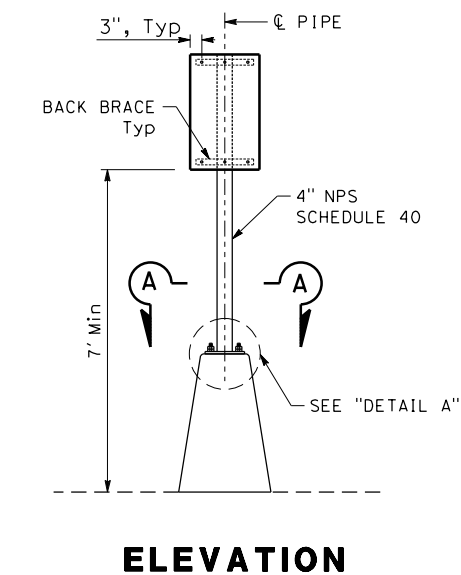
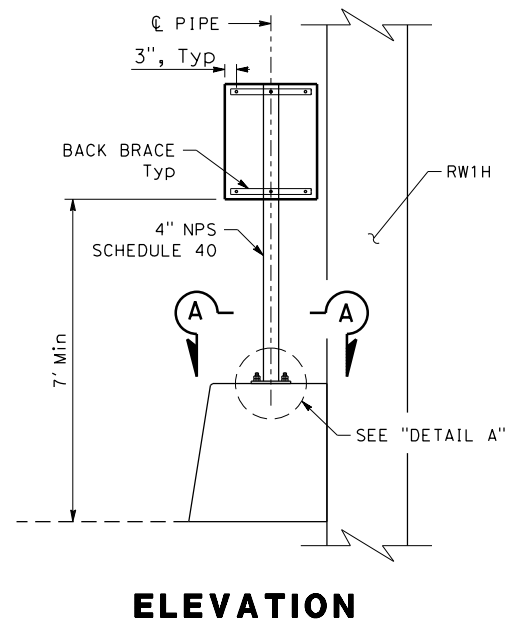
BORDER LAST REVISED 1/24/2024



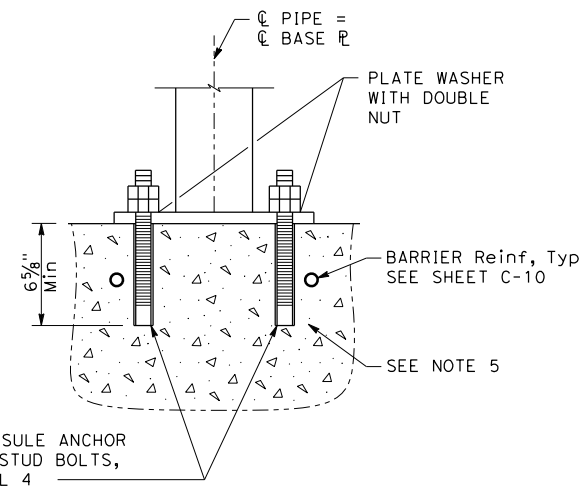
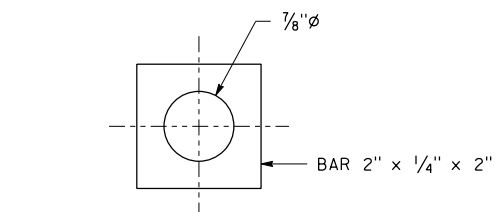
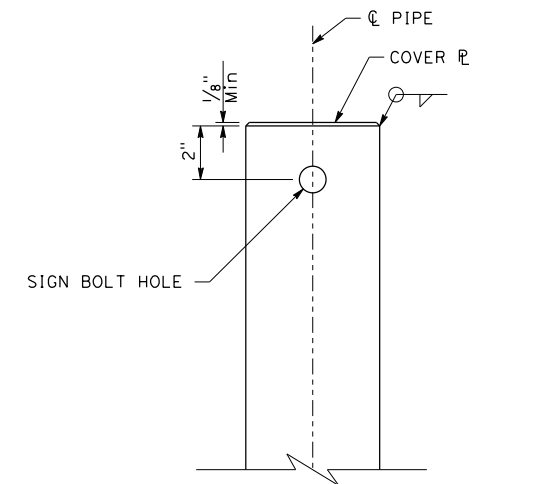
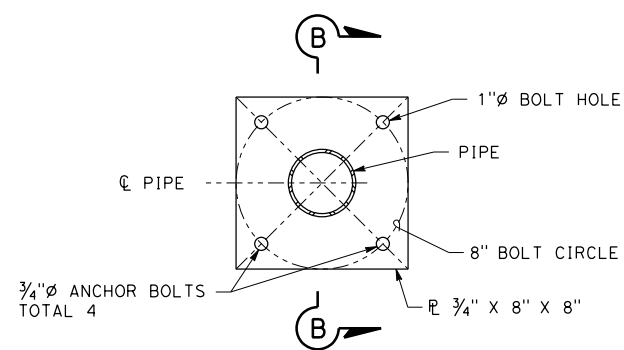
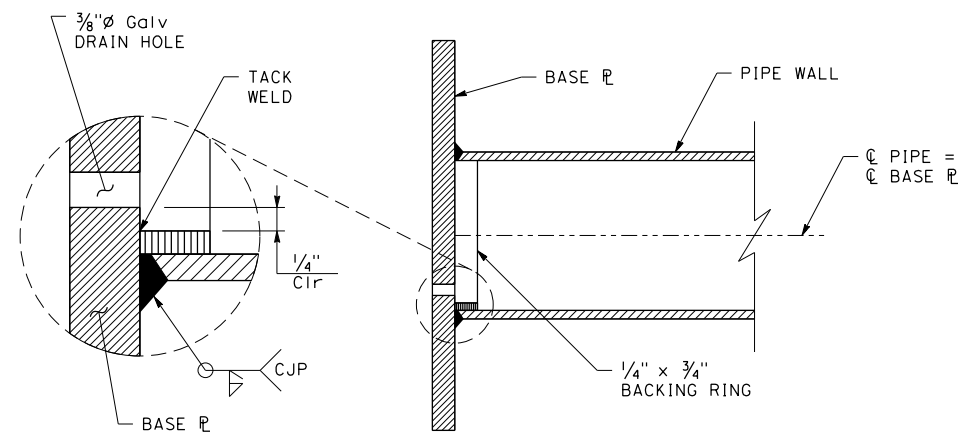
**ISSUED FOR BID 1-31-24**

**NOTES:**

- FOR DETAILS NOT SHOWN SEE CALTRANS STANDARD PLANS.
- WASHER ASSEMBLY CONSISTS OF TWO OVERSIZE WASHERS, NUT, TWO FIBER WASHERS, NUT, AND JAM NUT.
- ALL STEEL MUST BE GALVANIZED AFTER FABRICATION.
- FOR LOCATION OF SIGNS AND CONCRETE BARRIER DETAILS SEE LAYOUT PLANS.
- RESIN CAPSULE IS SUBJECT TO APPROVAL OF THE ENGINEER. INSTALLATION PROCEDURE MUST COMPLY WITH MANUFACTURERS INSTRUCTIONS. RESIN CAPSULE BOLT ANCHORS MUST BE INSTALLED IN SOUND CONCRETE FREE OF CRACKS OR DELAMINATION.
- ALL BOLTS MUST HAVE A WASHER UNDER THE NUT. BOLTS THROUGH POST MUST BE 1/2"Ø. BOLTS THROUGH SIGN PANEL AND BACK BRACE MUST BE 3/8"Ø. REAM HOLES IN SIGN AS REQUIRED.



**BACK BRACE DETAIL**



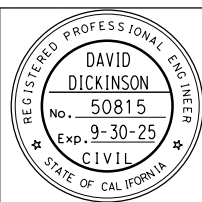
**SIGN DETAILS**  
NO SCALE

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NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. S.*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

1-24-24  
PLANS APPROVAL DATE

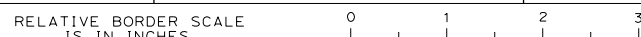
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OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer		
CADD FILENAME => YBIHob001.dgn		
CONTRACT NO. 23/24-07		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>SD-1</b>	<b>67</b>	<b>123</b>
LAST REVISION	DATE PLOTTED => 1/29/2024	
1-22-24	TIME PLOTTED => 1:36:19 PM	

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**



**ROADSIDE SIGN QUANTITIES SUMMARY**

SHEET No.	SIGN No.	SIGN CODE		SIGN PANEL SIZE	"C" DIM IN FEET	POST SIZE AND LENGTH (N)				ROADSIDE SIGN (WOOD POST)		INSTALL SIGN (SSBM)	REMOVE ROADSIDE SIGN	REMOVE ROADSIDE SIGN (SSBM)	RELOCATE ROADSIDE SIGN	METAL (BARRIER MOUNTED SIGN)	
		FEDERAL	CALIFORNIA			IN	4" X 4"	4" X 6"	6" X 6"	6" X 8"	ONE POST						TWO POST
		FT						EA									LB
S-1	S1-1		R81B	8 x 5										1			
S-2	S2-1	R4-11	R26(S)	21 x 36	7						1			1			
	S2-2	R37 (CA) Mod		12 x 18							1						
	S2-3	M3-4			24 x 12										1		
		G27-2			18 x 21	7									1		140
	S2-4	M5-4			24 x 18										1		
		M3-2	G27-2		18 x 21	7						1			1		
		M5-6		24 x 18										1			
S-3	S3-1	R2-1 (25)		24 x 30										1			
	S3-2	R4-11	R26(S)	21 x 36	7						1			1			
	S3-3		R26(S)	12 x 18								1					
	S3-4		W3-1A (CA)	18 x 18	7											118	
	S3-5	W1-2a (25) (L+)	R26	24 x 24										1			
	S3-6	R2-1 (20)		12 x 18									1				
	S3-8	M3-2	G27-2		24 x 30									2			
		18 x 21			24 x 12							1			1		
	S3-9	M5-6			18 x 21	7						1					
		M3-4			24 x 18							1					
	S3-10		G27-2		24 x 12						1						
	S3-13	M5-4			18 x 21	7						1					
				G8-7 (CA) (Mod)	24 x 18							1					
	S3-10		SPECIAL E		72 x 36	7			18			1					
S3-12		R5-1		48 x 36													
S3-13	R5-1a			30 x 30	7						1						
	R1-1			30 x 30							1						
S3-14	R1-1			30 x 30	7			18		1							
	R3-1			24 x 24													
S3-14			SPECIAL	18 x 48									1				
			SPECIAL	24 x 48									1				
S-4																	
<b>TOTAL</b>											1	1	13	6	5	17	258

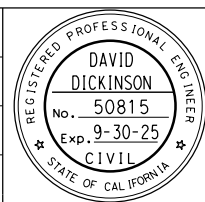
(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

**SIGN QUANTITIES**  
NO SCALE

NO.	DATE	DESCRIPTION	BY	APP.

YERBA BUENA ISLAND  
HILLCREST ROAD  
IMPROVEMENT  
PROJECT

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
J. YAU  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del. J. Yau*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS SUBMITTAL DATE

*Del. J. Yau*  
REGISTERED CIVIL ENGINEER  
1-24-24  
PLANS APPROVAL DATE

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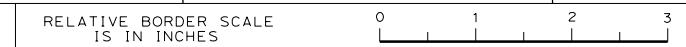
**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer  
CADD FILENAME => YB1Hoc001.dgn  
CONTRACT NO. 23/24-07

SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>SQ-1</b>	<b>68</b>	<b>123</b>

BORDER LAST REVISED 1/24/2024



**ISSUED FOR BID 1-31-24**

LAST REVISION: 1-23-24  
DATE PLOTTED => 1/29/2024  
TIME PLOTTED => 1:36:20 PM

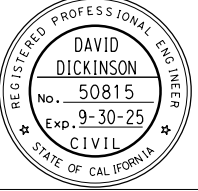
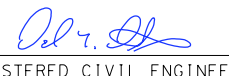



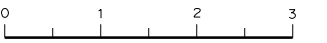
**ROADSIDE SIGN PANEL QUANTITIES SUMMARY**

SHEET No.	SIGN No.	SIGN CODE		SIGN MESSAGE / DESCRIPTION	SIGN PANEL SIZE (N)	PANEL AREA (N)	BACKGROUND		BORDER & LEGEND		PREMIUM PROTECTIVE FILM (N)	FURNISH SINGLE SHEET ALUMINUM SIGN	RETROREFLECTIVE SHEETING (TYPE XI) (N)
		FEDERAL	CALIFORNIA				SHEETING COLOR (N)	RETROREFLECTIVE ASTM TYPE (N)	SHEETING COLOR (N)	RETROREFLECTIVE ASTM TYPE (N)		UNFRAMED	
												0.063"	
		IN	SOFT										
S-3	S3-4	W3-1A		STOP AHEAD WARNING	18 x 18	2.3	YELLOW	XI	BLACK	PLAIN	X	2.3	2.3
	S3-9	M3-4		WEST	24 x 12	2.0	WHITE	XI	BLACK	PLAIN	X	2.0	2.0
			G27-2(80)	INTERSTATE ROUTE SHIELD (80)	18 x 21	2.6	GREEN	XI	WHITE	XI	X	2.6	2.6
		M5-4		LEFT LANE	24 x 18	3.0	WHITE	XI	BLACK	PLAIN	X	3.0	3.0
<b>TOTAL</b>											<b>9.9</b>		

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

**SIGN QUANTITIES**  
NO SCALE

C:\Users\sdwyer\Desktop\Desktop\YB1\Hillcrest\CAD\YB1Hoc002.dgn

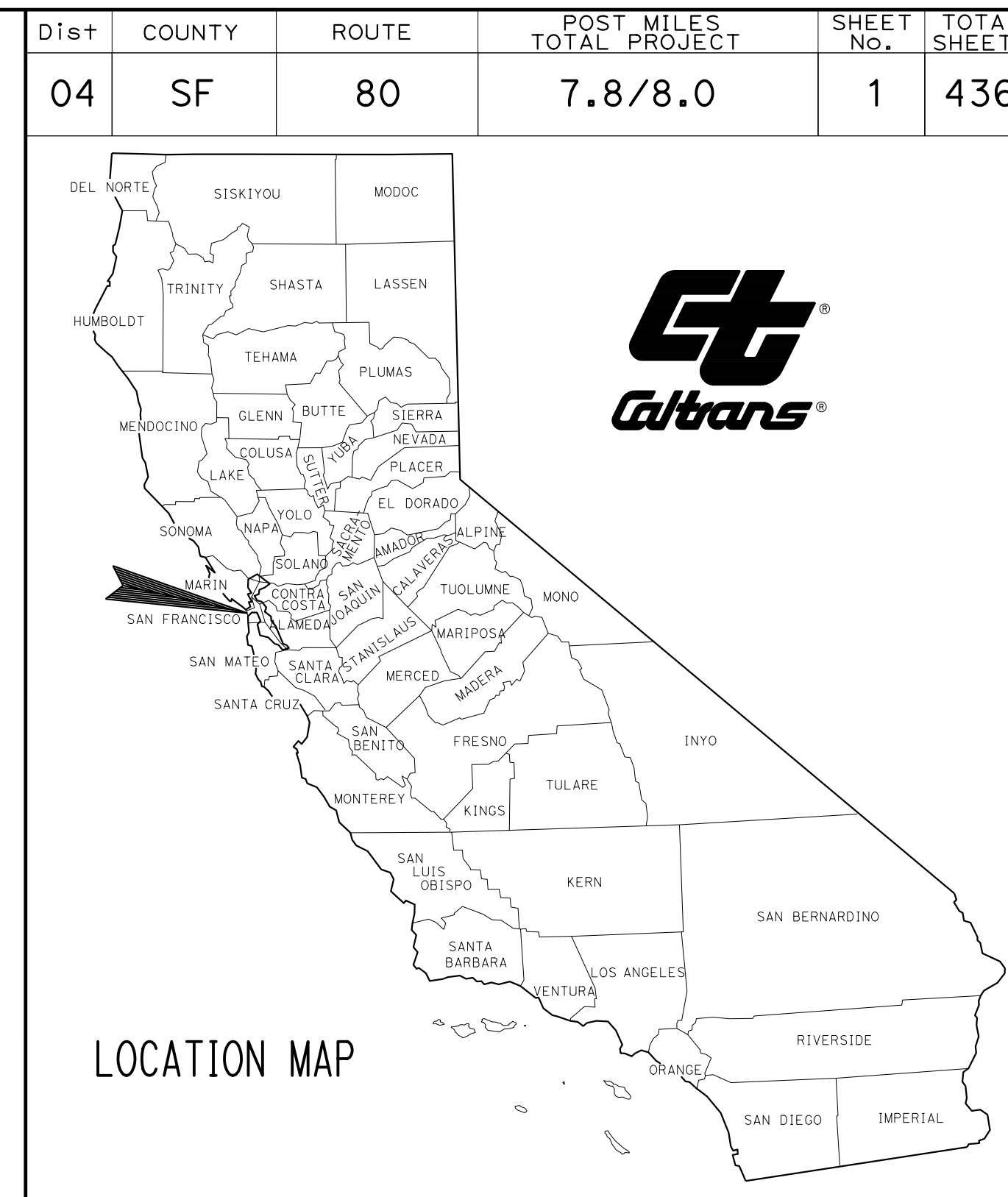
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td colspan="5" style="text-align: center;">TABLE OF REVISIONS</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	BY	APP.	TABLE OF REVISIONS					YERBA BUENA ISLAND HILLCREST ROAD IMPROVEMENT PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER DRAWN BY: J. YAU CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON		 REGISTERED CIVIL ENGINEER 1-24-24 PLANS APPROVAL DATE	1-24-24 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer CADD FILENAME => YB1Hoc002.dgn CONTRACT NO. <b>23/24-07</b> SHEET NAME    SHEET NO.    TOTAL SHEETS <b>SQ-2            69            123</b> LAST REVISION    DATE PLOTTED => 1/29/2024 1-23-24            TIME PLOTTED => 1:36:21 PM
NO.	DATE	DESCRIPTION	BY	APP.															
TABLE OF REVISIONS																			
BORDER LAST REVISED 1/24/2024					RELATIVE BORDER SCALE IS IN INCHES 	ISSUED FOR BID 1-31-24													

## **Attachment 3**

### **YBI Southgate YBI Multi-Use Path Related Plans**

STATE OF CALIFORNIA  
**DEPARTMENT OF TRANSPORTATION**  
**PROJECT PLANS FOR CONSTRUCTION ON**  
**STATE HIGHWAY**  
**IN THE CITY AND COUNTY OF SAN FRANCISCO**  
**FROM THE YERBA BUENA TUNNEL**  
**TO 0.2 MILE EAST OF THE YERBA BUENA TUNNEL**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2018



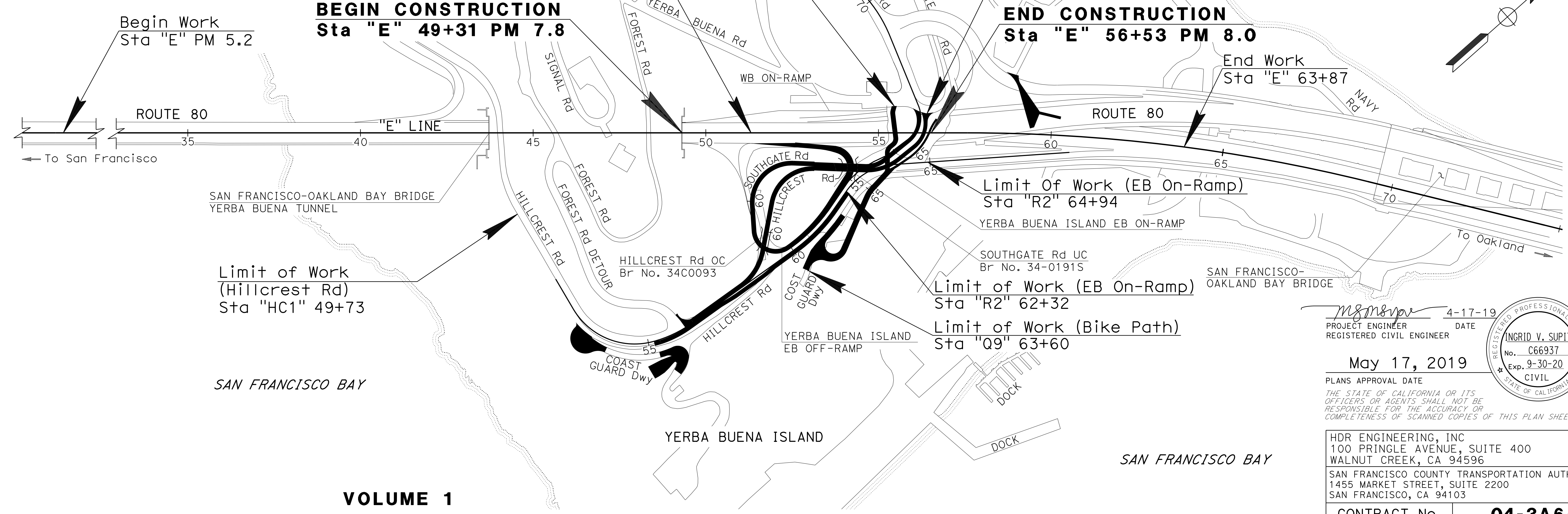
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-12	TYPICAL CROSS SECTIONS
13	KEY MAP AND LINE INDEX
14	PROJECT CONTROL
15-23	LAYOUTS
24-29	PROFILES AND SUPERELEVATION DIAGRAMS
30-66	CONSTRUCTION DETAILS
67-72	TEMPORARY WATER POLLUTION CONTROL PLANS
73-76	CONTOUR GRADING PLANS
77-100	DRAINAGE PLANS, PROFILES, DETAILS AND QUANTITIES
101-109	UTILITY PLANS, DETAILS AND QUANTITIES
110	CONSTRUCTION AREA SIGNS
111-113	STAGE CONSTRUCTION PLANS
114-122	TRAFFIC HANDLING PLANS AND QUANTITIES
123	DETOUR PLAN
124-129	PAVEMENT DELINEATION PLANS, DETAILS AND QUANTITIES
130-149	SIGN PLANS, DETAILS AND QUANTITIES
150-152	SUMMARY OF QUANTITIES
153-160	EROSION CONTROL PLANS
161-181	ELECTRICAL PLANS
182-209	REVISED STANDARD PLANS

STRUCTURE PLANS

210-249	SOUTHGATE ROAD UC, Br No. 34-0191S
250-417	RETAINING WALLS
418-436	HILLCREST ROAD OC, Br No. 34C0093

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.



**VOLUME 1**

NO SCALE

PROJECT ENGINEER DATE 4-17-19  
 REGISTERED CIVIL ENGINEER  
**May 17, 2019**  
 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.

HDR ENGINEERING, INC  
 100 PRINGLE AVENUE, SUITE 400  
 WALNUT CREEK, CA 94596  
 SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY  
 1455 MARKET STREET, SUITE 2200  
 SAN FRANCISCO, CA 94103

CONTRACT No.	<b>04-3A6414</b>
PROJECT ID	<b>0419000153</b>

FEDERAL PROJECT No. **BRLS-6272(047)**

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.  
 DATE SIGNED 5-20-19  
 LICENSE EXP DATE 3-31-21  
 REGISTRATION No. 38994  
 CALTRANS DESIGN OVERSIGHT APPROVAL Bob Zandipour  
 CONSULTANT DESIGN MANAGER GREGORY C. OSLUND

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: INGRID SUPIT  
 CHECKED BY: INGRID SUPIT  
 REVISOR: TP 1-9-19  
 IK 4-26-18

**NOTES:**

- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO THE TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
- FOR LOCATIONS AND TYPES OF CONCRETE BARRIERS, SEE LAYOUTS.
- FOR LOCATIONS, LIMITS AND DETAILS OF RETAINING WALLS, APPROACH WALLS AND BRIDGE STRUCTURES, SEE STRUCTURE PLANS.
- HAND METHODS MAY BE REQUIRED TO REMOVE THE UPPER 0.20' OF PAVEMENT ADJACENT TO AND BENEATH THE GUARDRAIL.

**ABBREVIATIONS:**

- CIP/PS CAST IN PLACE / PRESTRESSED  
 GB GRADE BREAK  
 MES MATCH EXISTING SLOPE  
 SFOBB SAN FRANCISCO OAKLAND BAY BRIDGE

**DESIGN DESIGNATION**

AADT (2018)	265,000	D (AM/PM)	(0.52/0.55)
AADT (2040)	265,000	T	2.50%
DHV	17,000	V	25 mph
ESAL	N/A	TI <sub>20</sub>	10, FOR "R1" LINE
		TI <sub>20</sub>	11, FOR "SG1" LINE
PAVEMENT CLIMATE REGION:		CENTRAL COAST	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	2	436

REGISTERED CIVIL ENGINEER: PRAVEEN K. CHILAKAPATI  
 No. C76058  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 5-17-19  
 DATE: 4-1-19

HDR ENGINEERING, INC.  
 100 PRINGLE AVENUE, SUITE 400  
 WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103

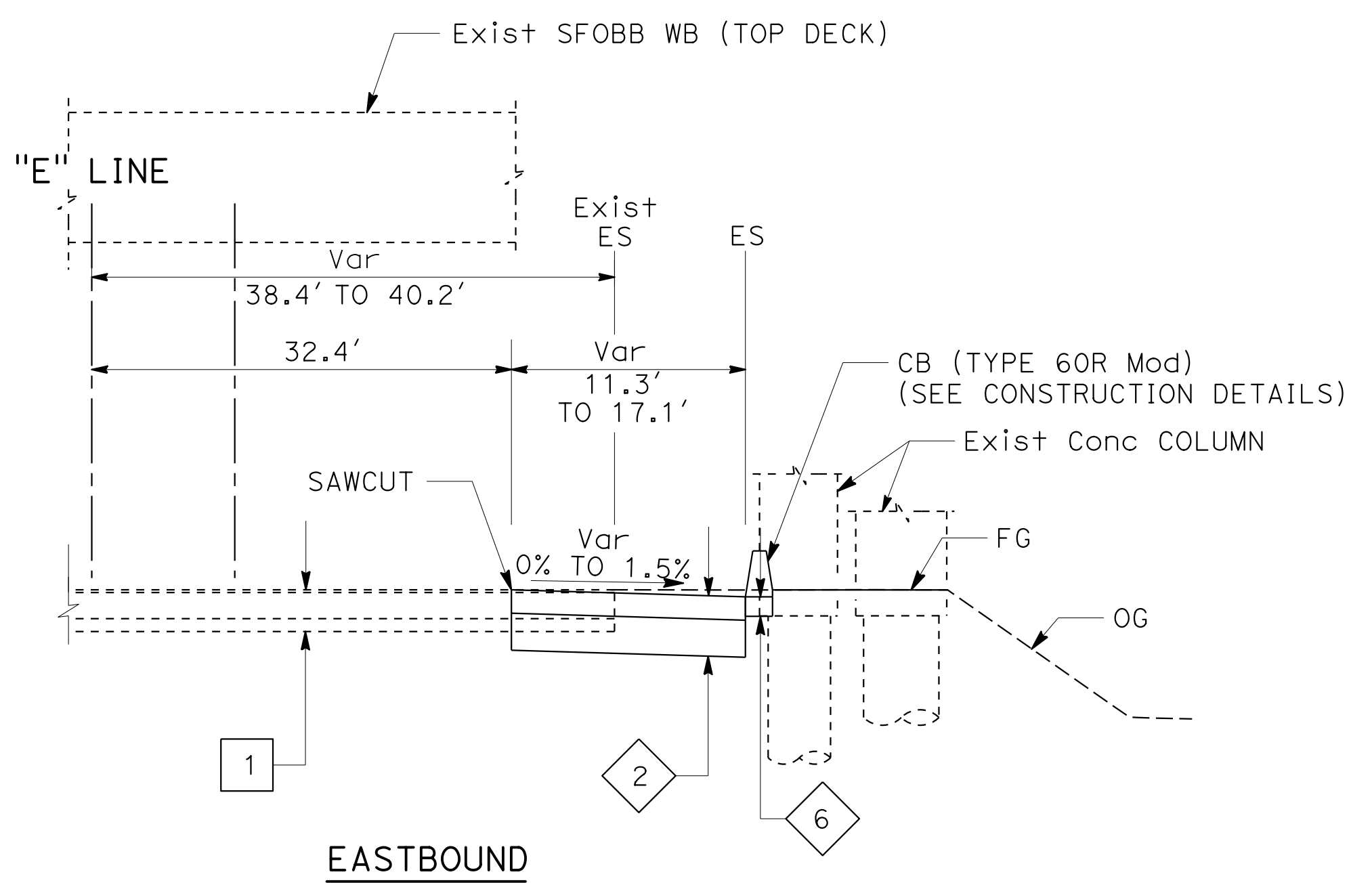
**TYPICAL PAVEMENT STRUCTURE SECTIONS**

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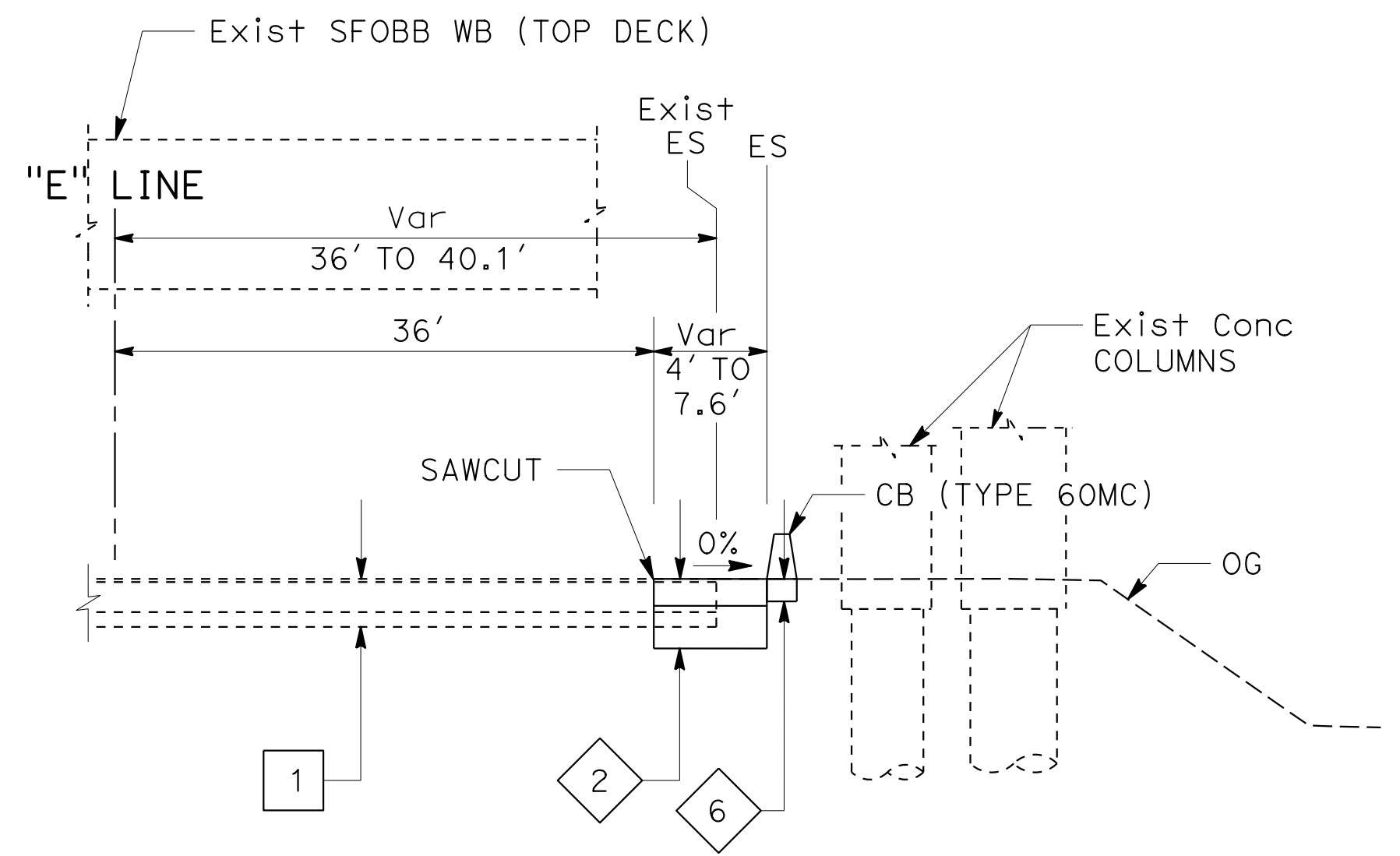
- 1 0.07' EPOXY AC  
0.67' PCC  
0.33' AGGREGATE BASE  
(CONCRETE STRIPS ALONG UNDERLYING SLAB JOINTS)
- 2 0.33' & Var AC  
0.69' & Var AB
- 3 0.60' HMA (TYPE A)  
0.79' CI 2 AB
- 4 0.50' HMA (TYPE A)  
Var Conc SLURRY BACKFILL  
(OVER Exist DUCT BANK)

**NEW**

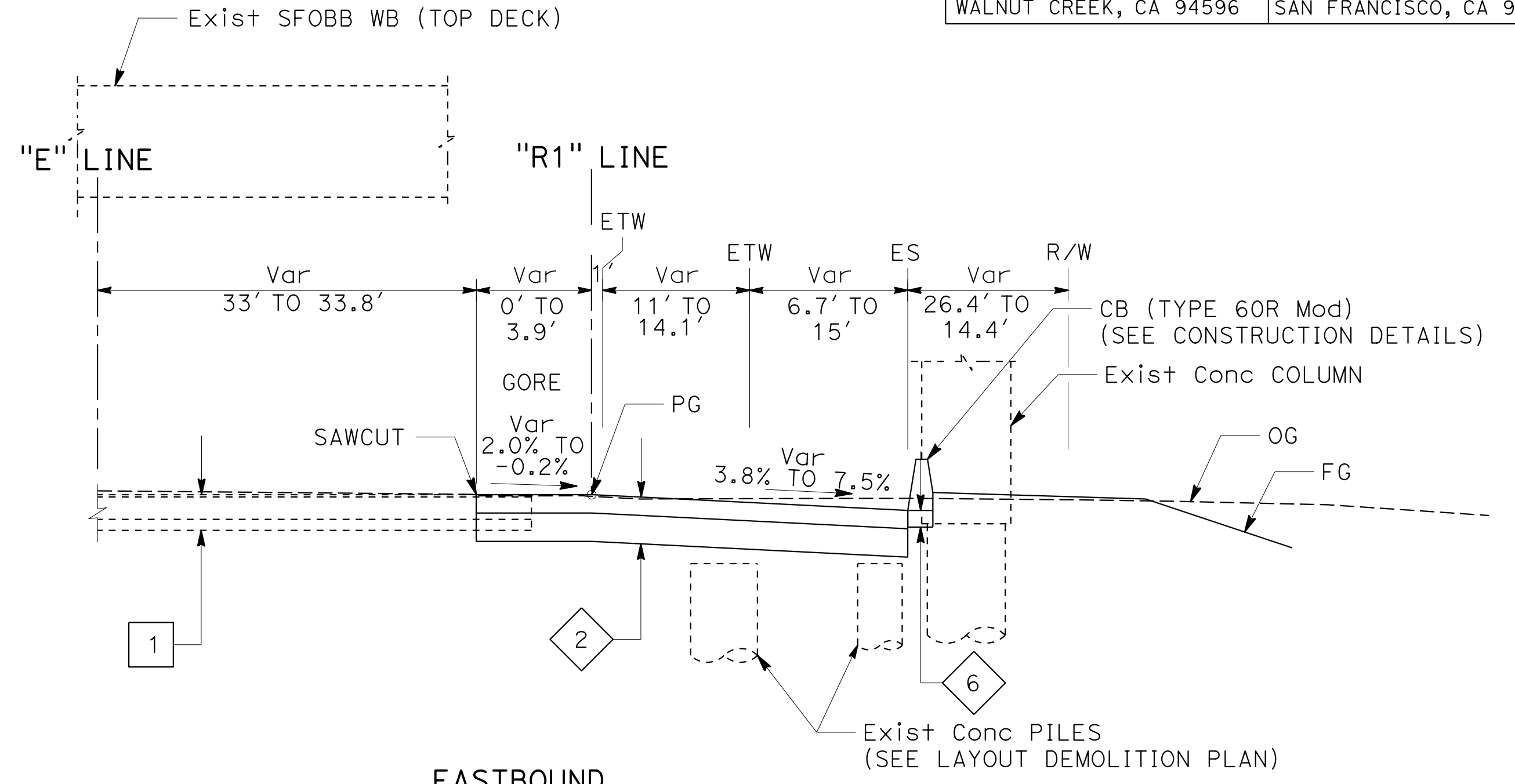
- 1 0.60' HMA (TYPE A)  
0.95' CI 2 AB
- 2 0.55' HMA (TYPE A)  
0.85' CI 2 AB
- 3 0.33' HMA (TYPE A)  
0.67' CONCRETE BASE
- 4 0.50' MINOR CONCRETE  
0.50' CI 2 AB
- 5 0.20' COLD PLANE AC Pvm+  
0.20' HMA (TYPE A)
- 6 0.50' CI 2 AB
- 7 0.30' SLOPE PAVING (CONCRETE)  
0.50' CI 2 AB
- 8 0.33' HMA (TYPE A)  
0.67' CI 2 AB



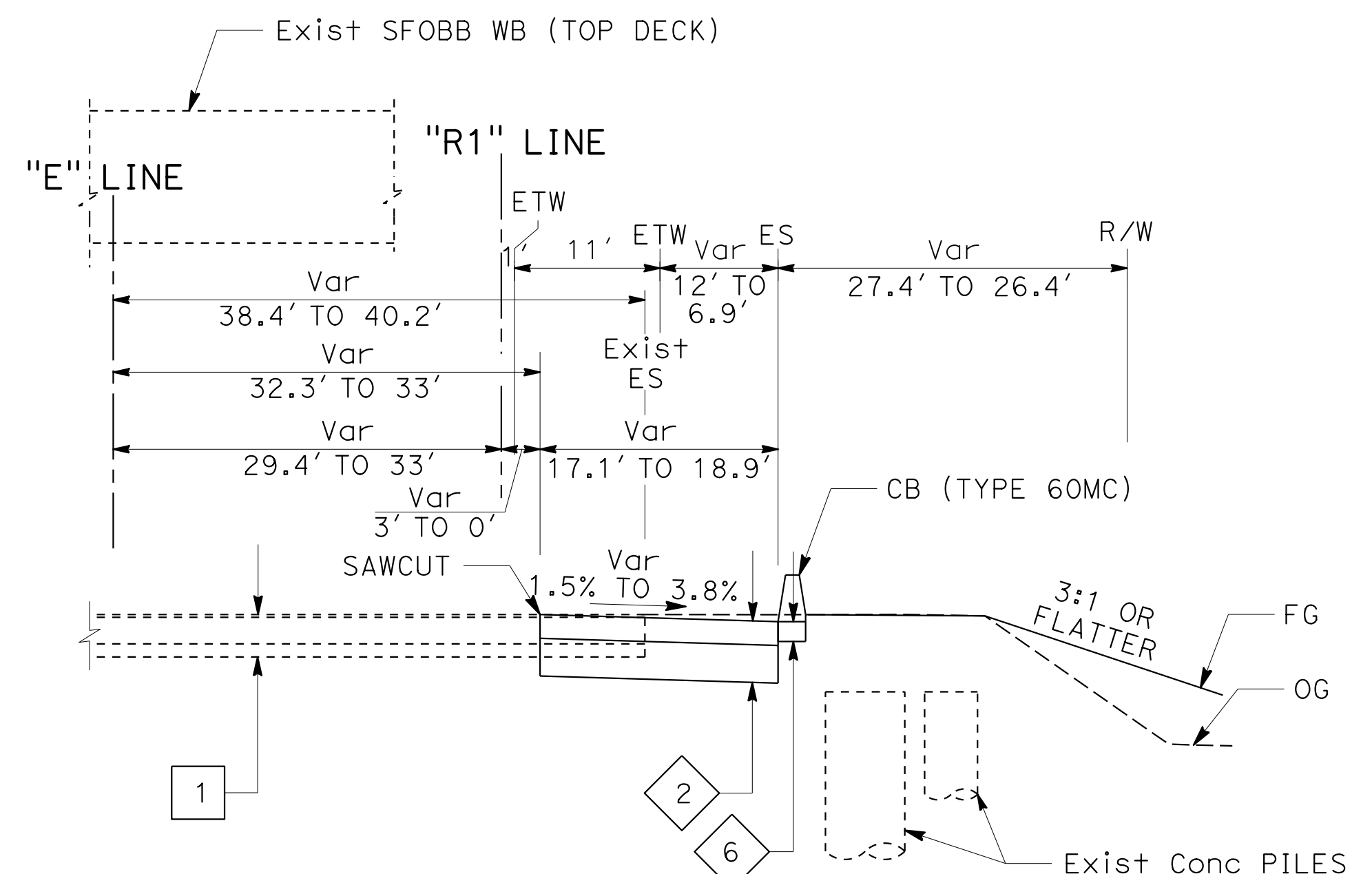
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 "R1" 52+58.59



**EASTBOUND**  
 "E" 51+49.19 TO "E" 52+00.17



**EASTBOUND**  
 "R1" 53+01.31 TO "R1" 53+60.57



**EASTBOUND OFF-RAMP**  
 "R1" 52+58.59 TO "R1" 53+01.31

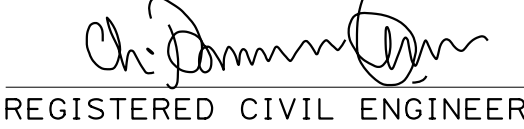
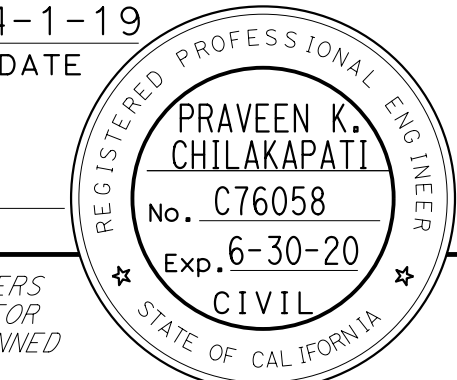
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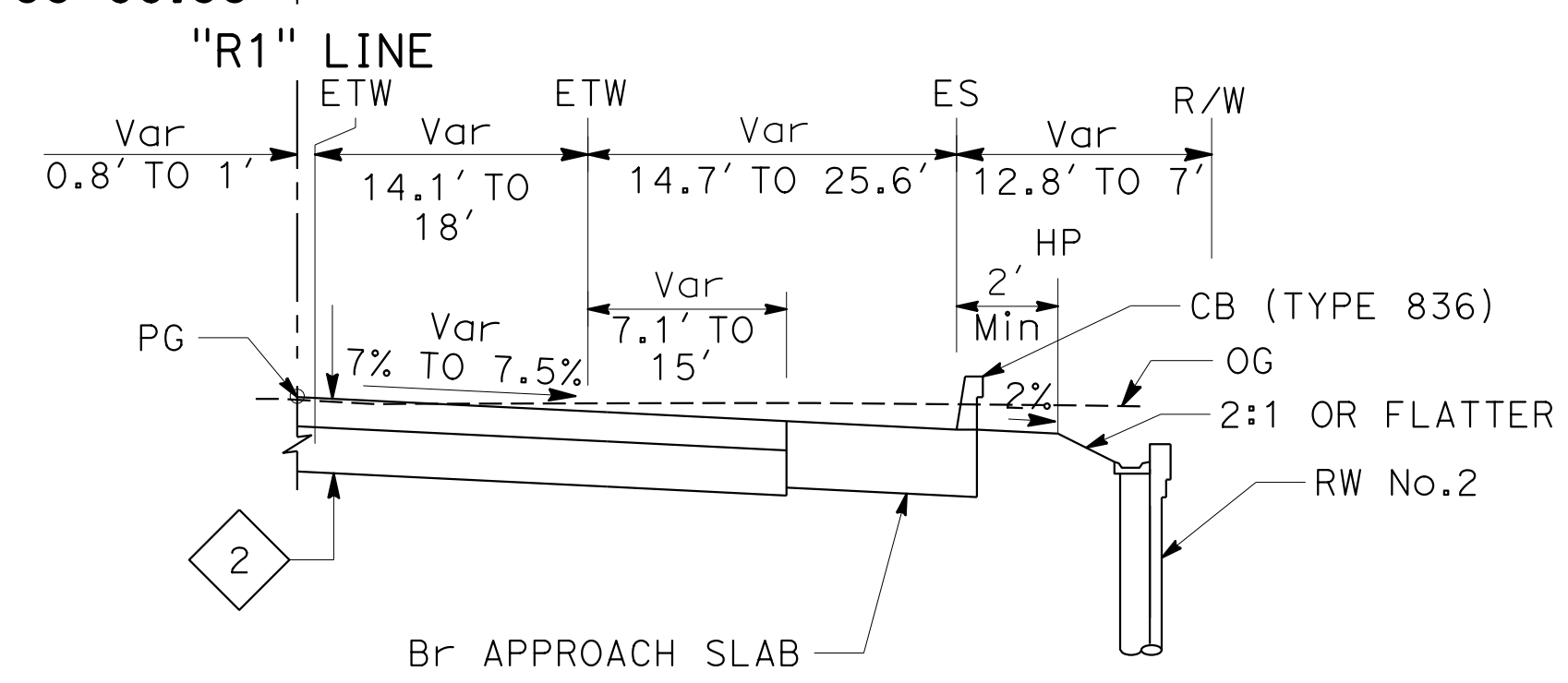
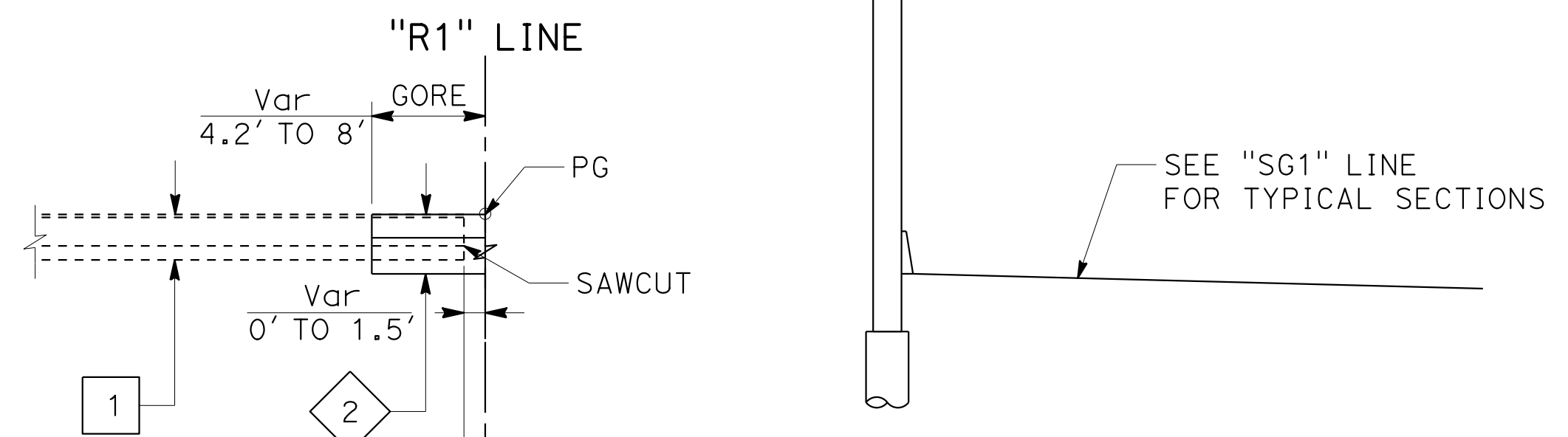
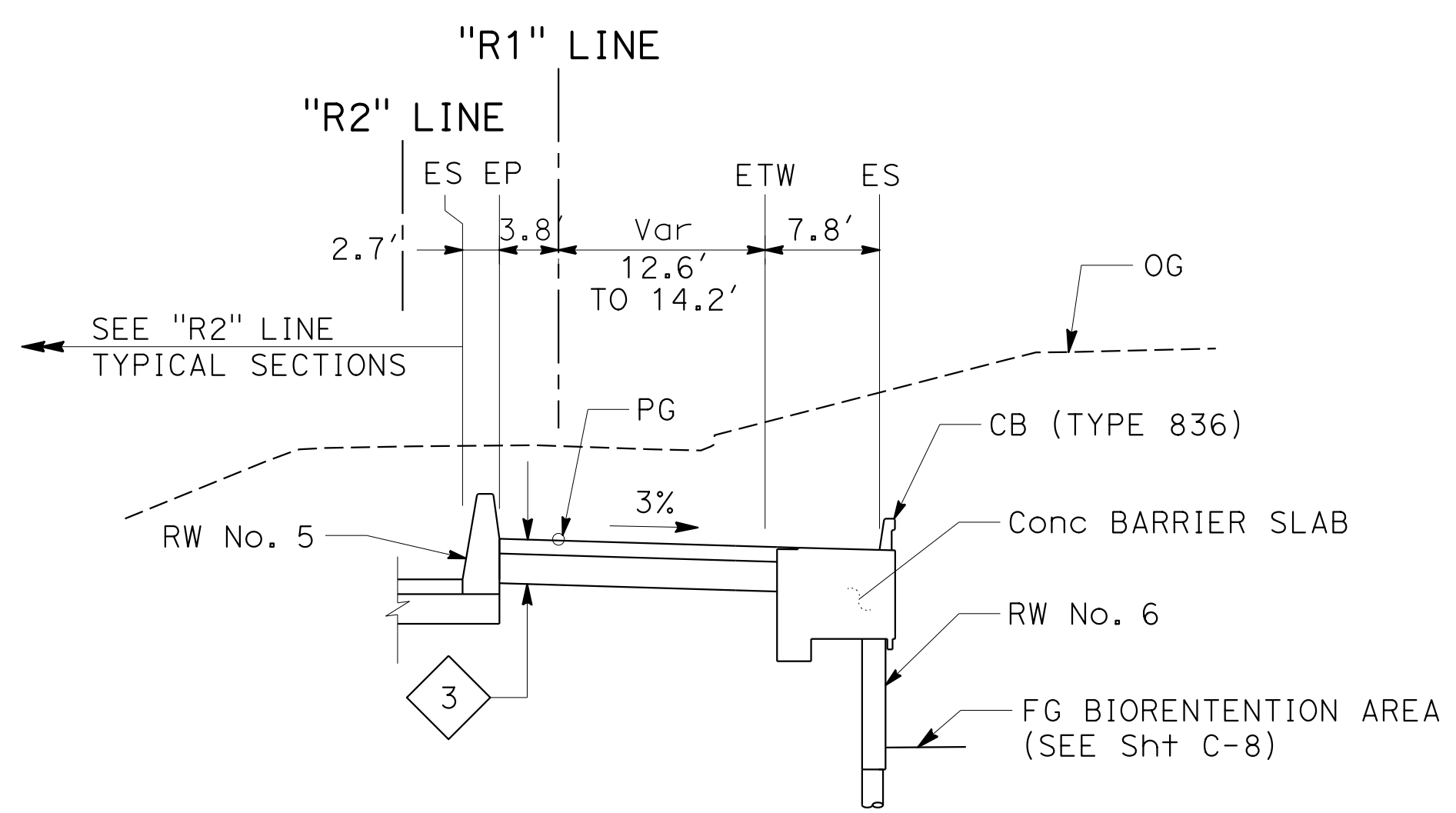
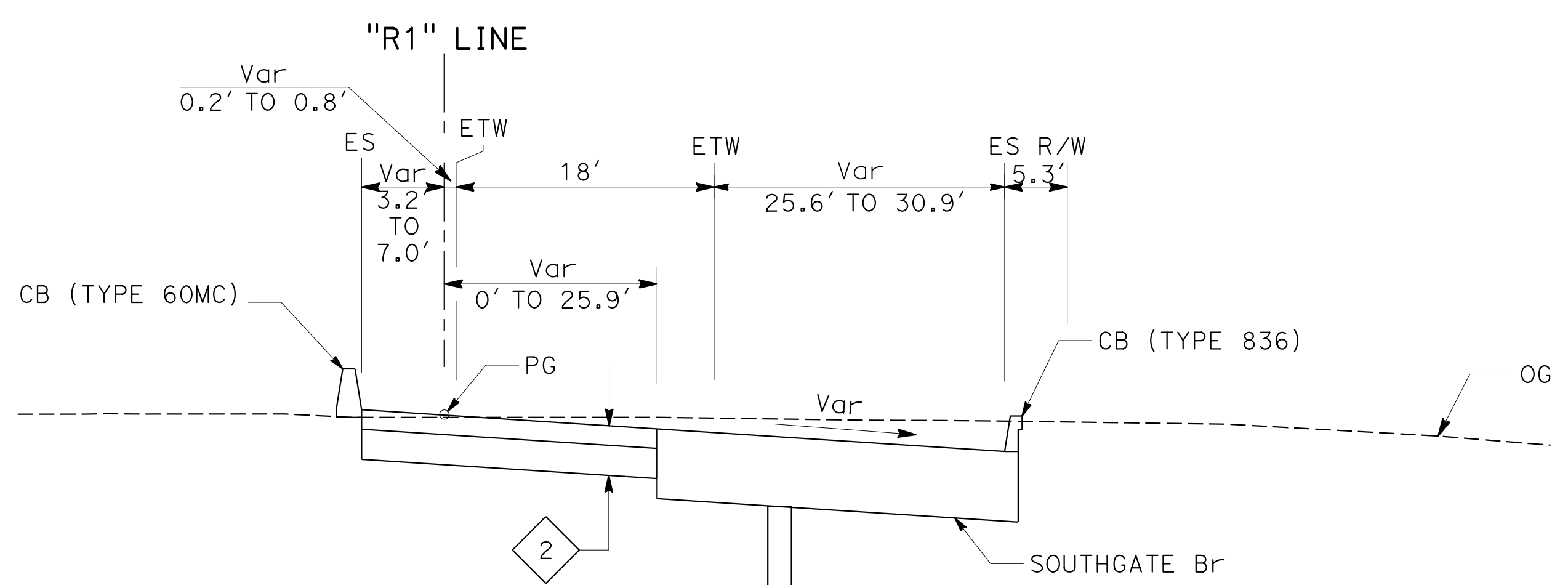
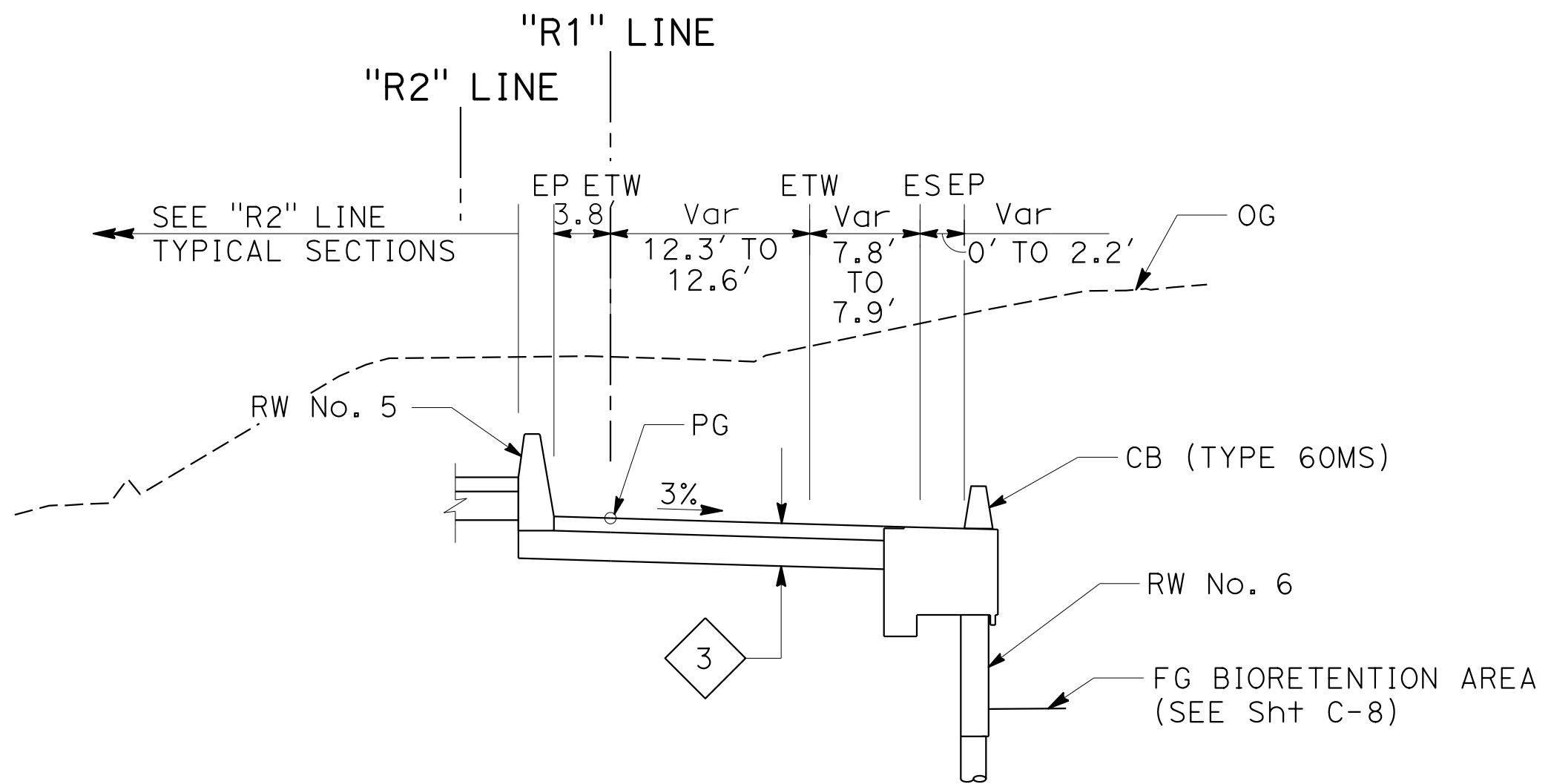
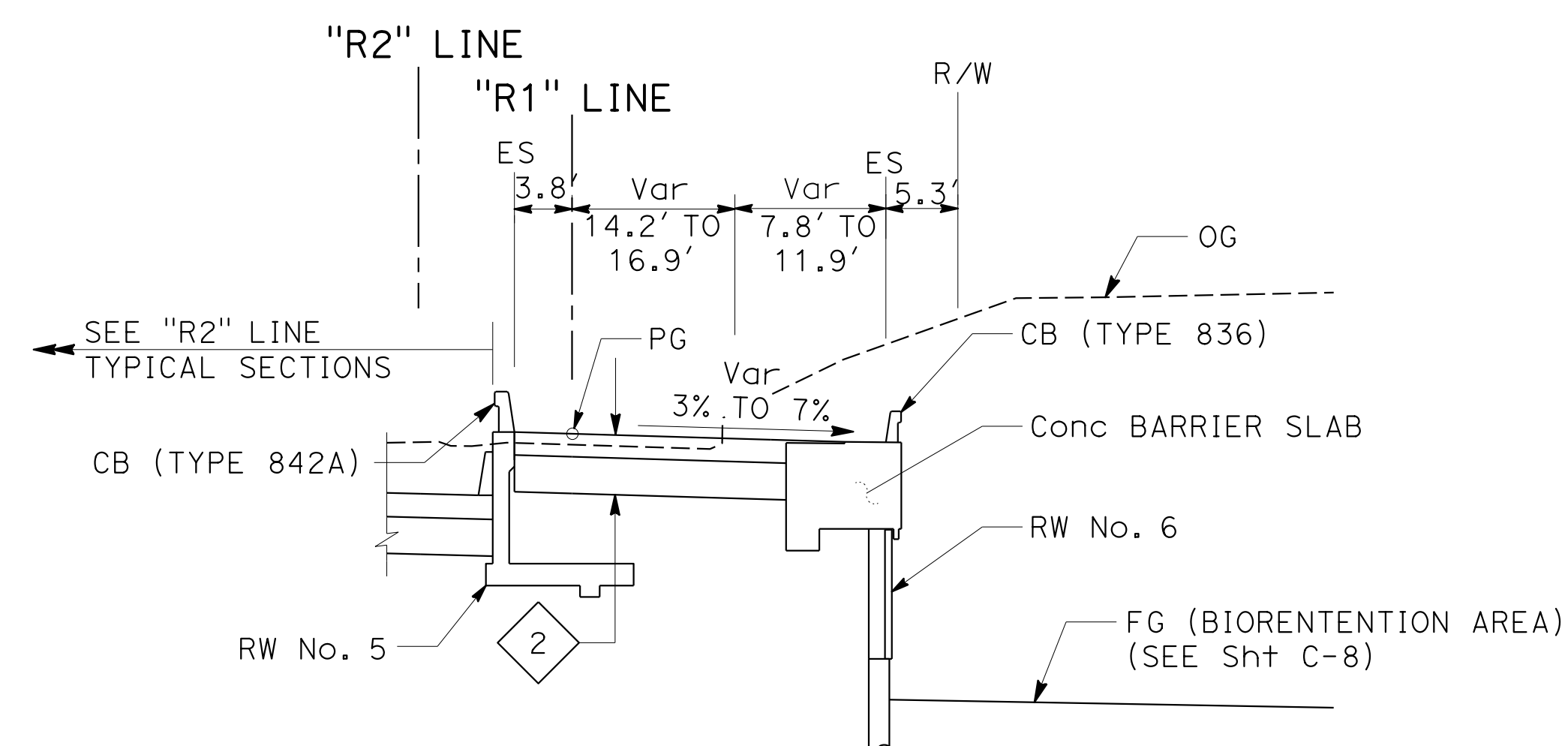
**TYPICAL CROSS SECTIONS**

NO SCALE

**X-1**



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	3	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		



**ROUTE 80  
EB OFF-RAMP**

FOR NOTES AND ABBREVIATIONS,  
SEE SHEET X-1

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT: PRAVEEN CHILAKAPATI  
 SUPERVISOR: INGRID V. SUPIT  
 DESIGNED BY: INGRID SUPIT  
 CHECKED BY:  
 REVISIONS:  
 TB 12-11-18  
 PC 4-26-18  
 REVISED BY: DATE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CONSULTANT: CHILAKAPATI, PRAVEEN  
 INGRID SUPIT  
 DESIGNED BY: INGRID SUPIT  
 CHECKED BY:  
 REVISIONS:  
 TB 12-11-18  
 KB 4-27-18  
 REVISIONS BY: DATE REVISED

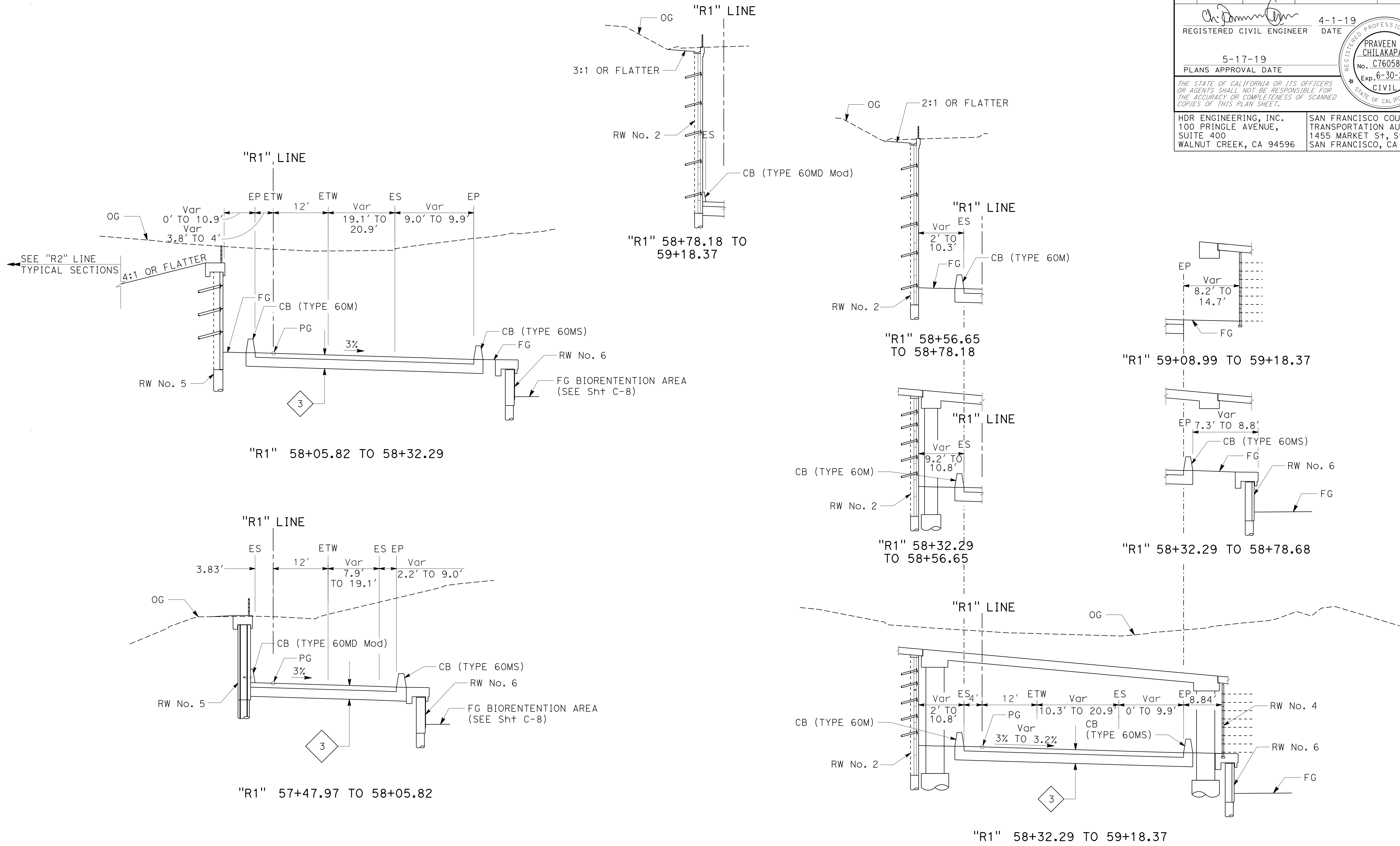
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	4	436

REGISTERED CIVIL ENGINEER: PRAVEEN K. CHILAKAPATI  
 No. C76058  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

DATE: 4-1-19  
 PLANS APPROVAL DATE: 5-17-19

HDR ENGINEERING, INC.  
 100 PRINGLE AVENUE, SUITE 400  
 WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103



**ROUTE 80  
 EB OFF-RAMP**

FOR NOTES AND ABBREVIATIONS,  
 SEE SHEET X-1


**TYPICAL CROSS SECTIONS**

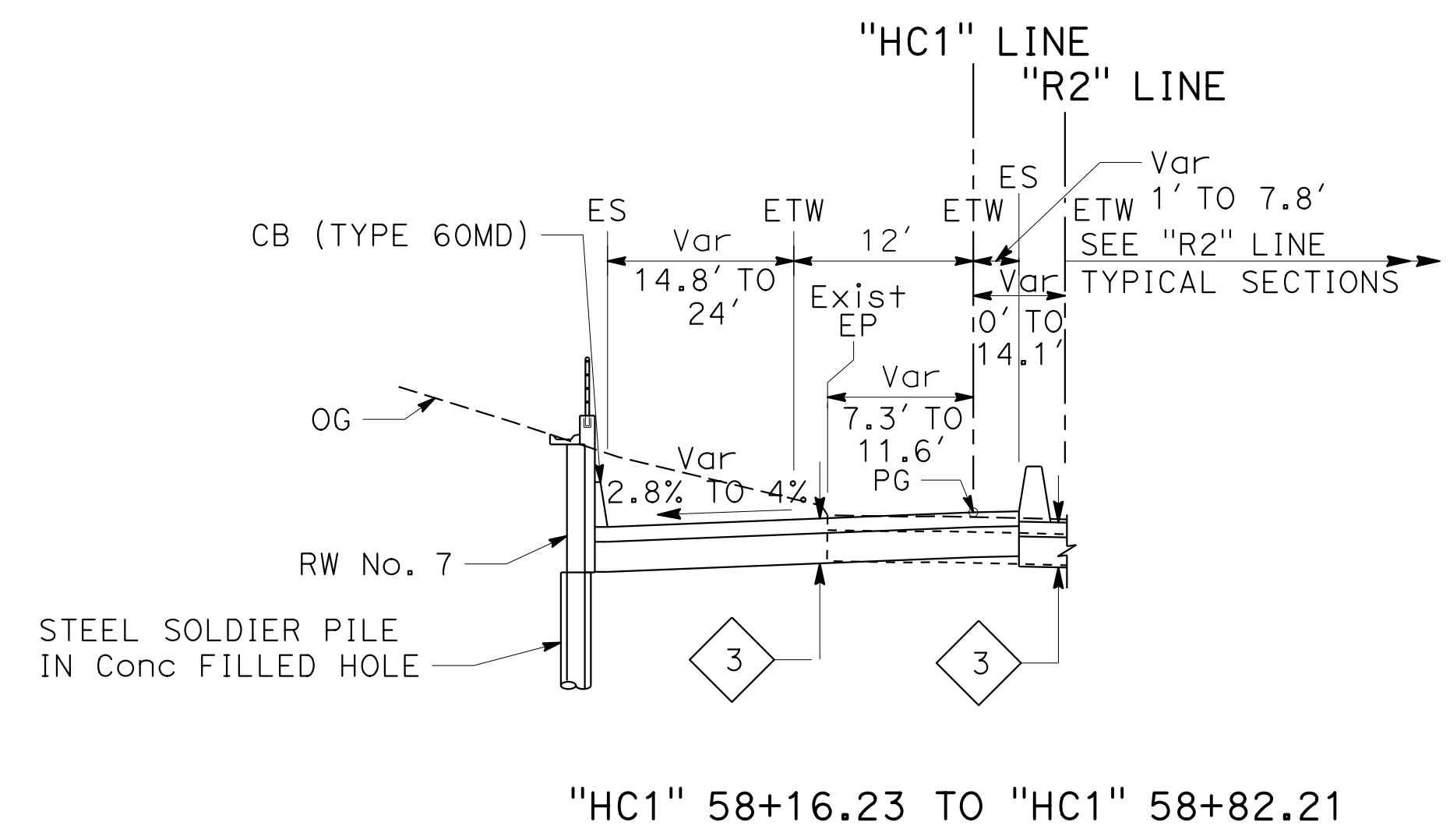
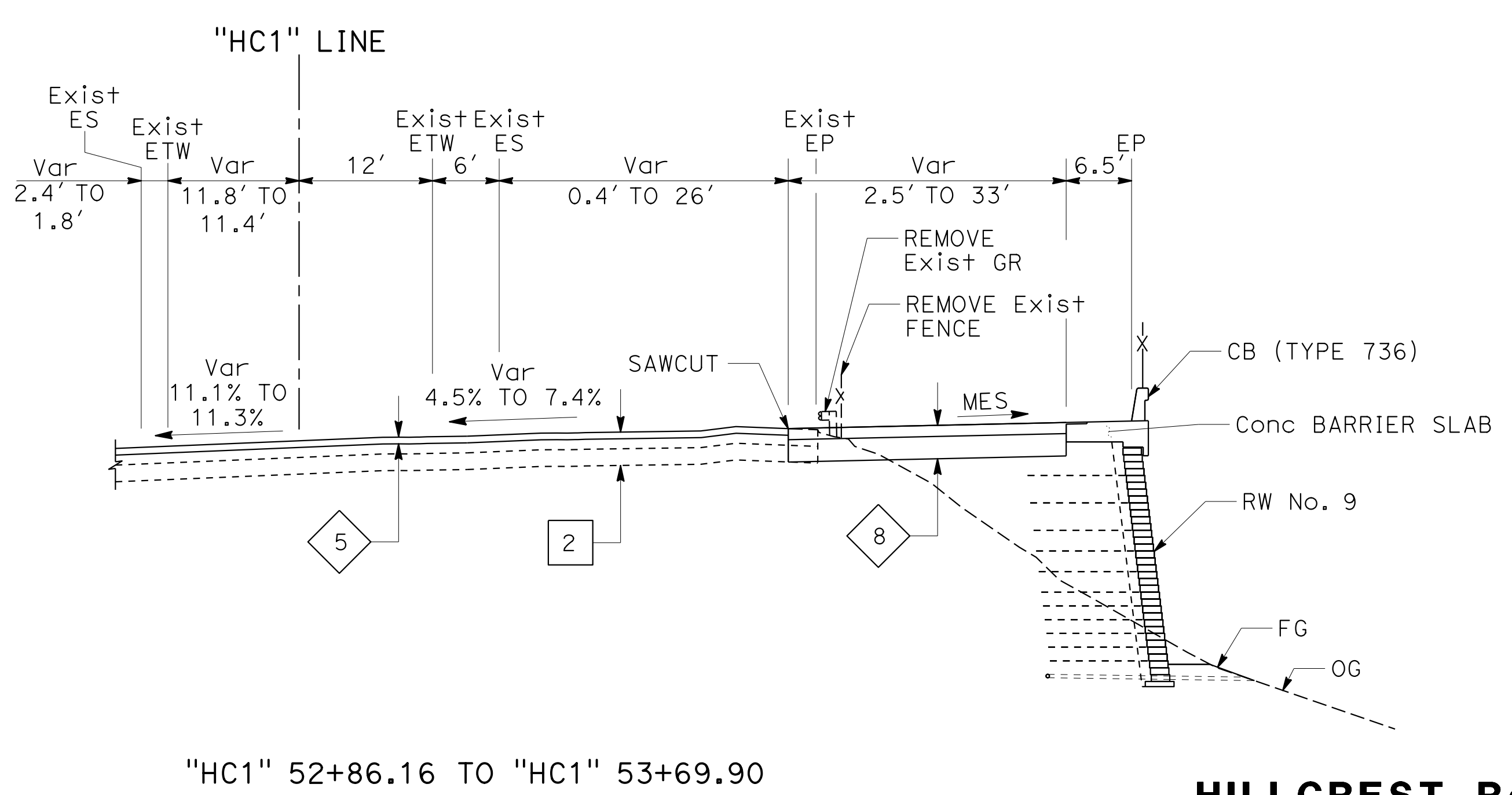
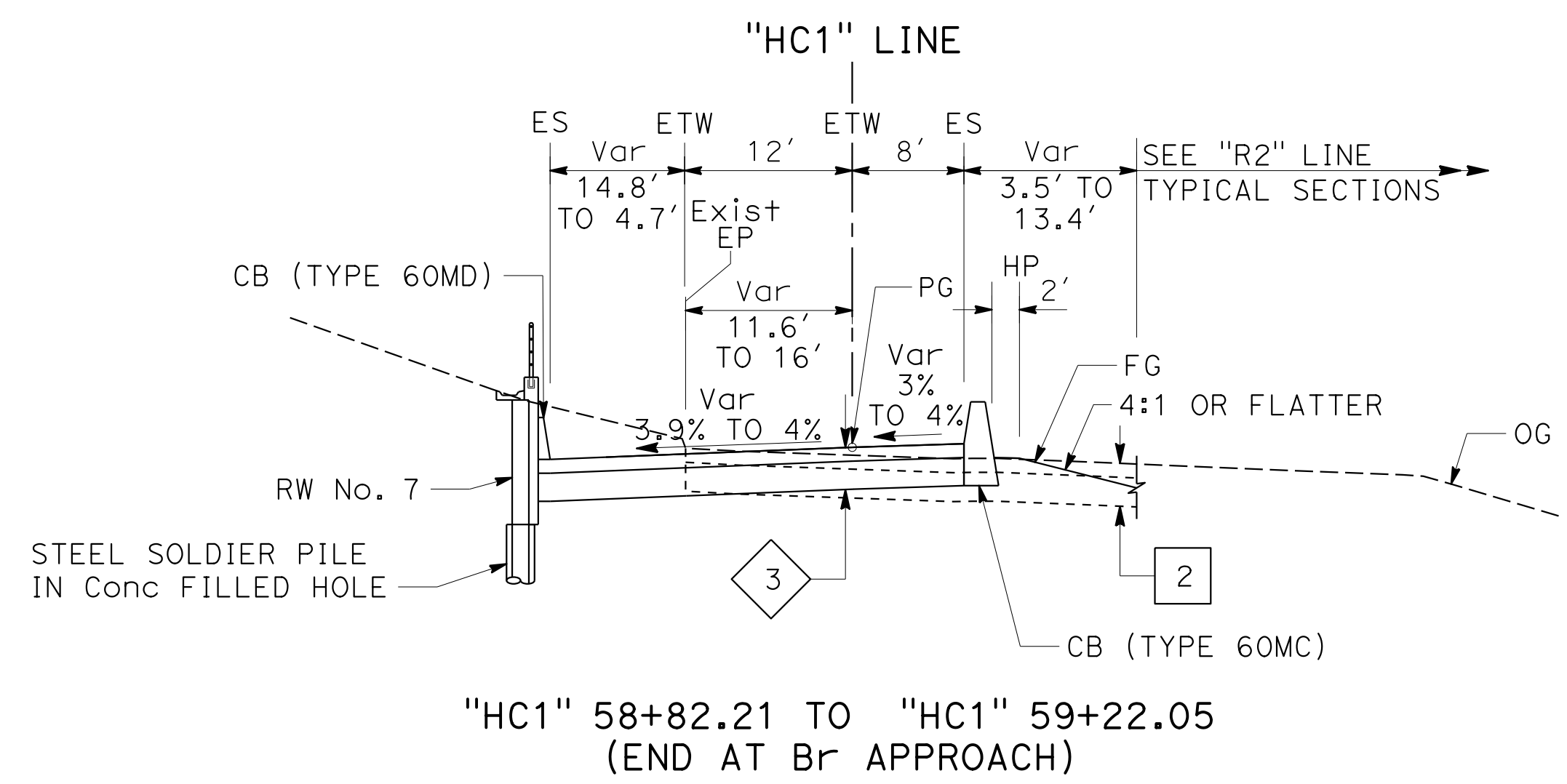
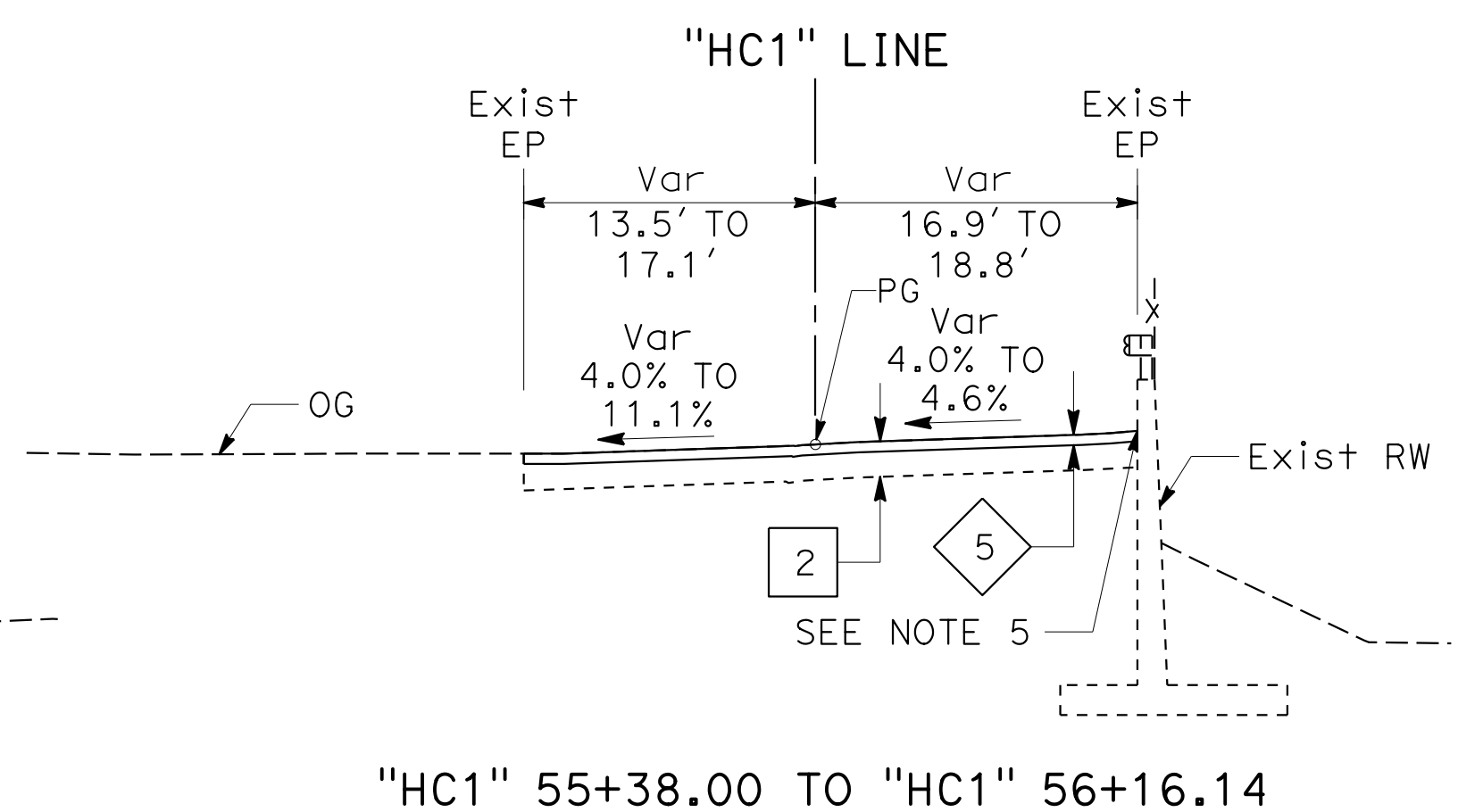
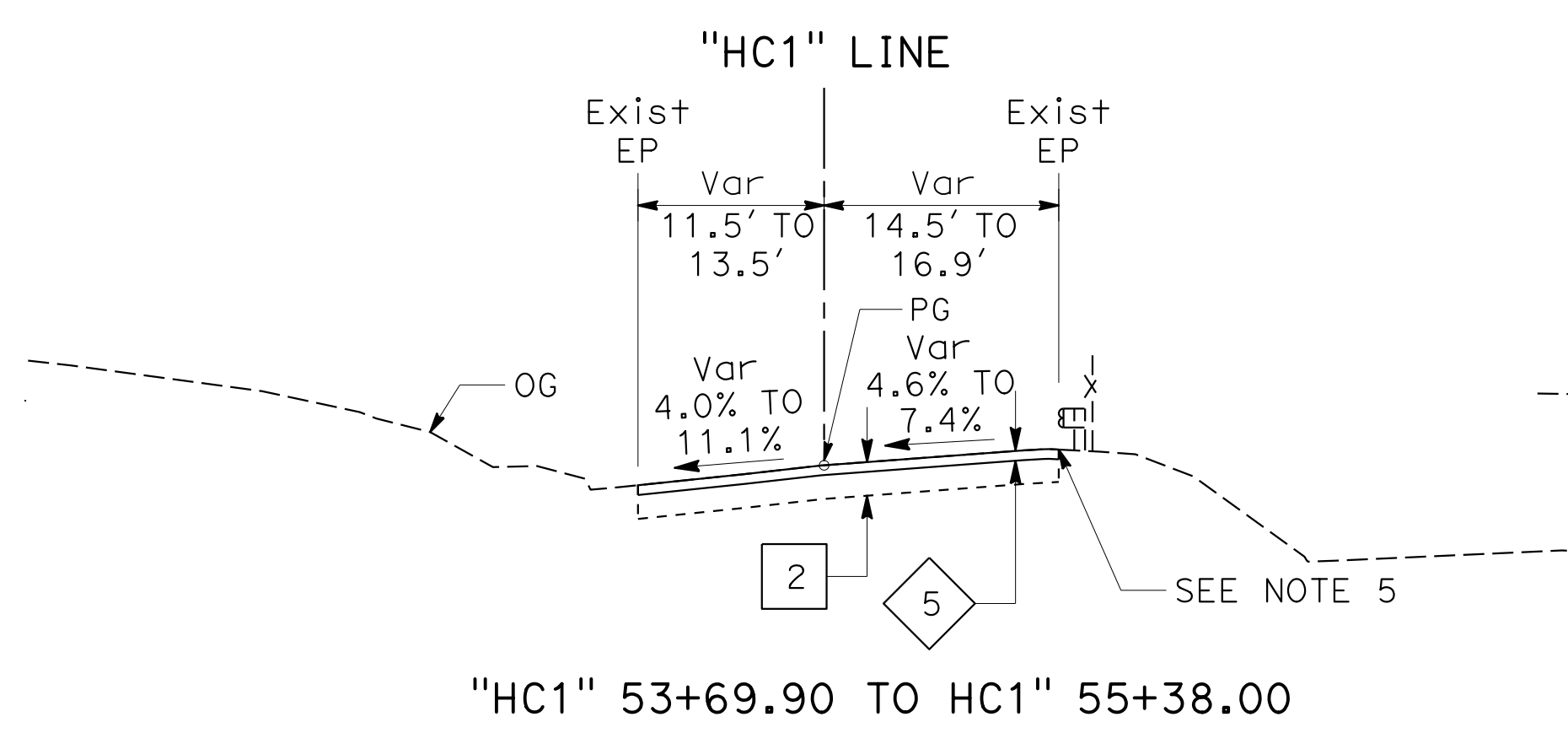
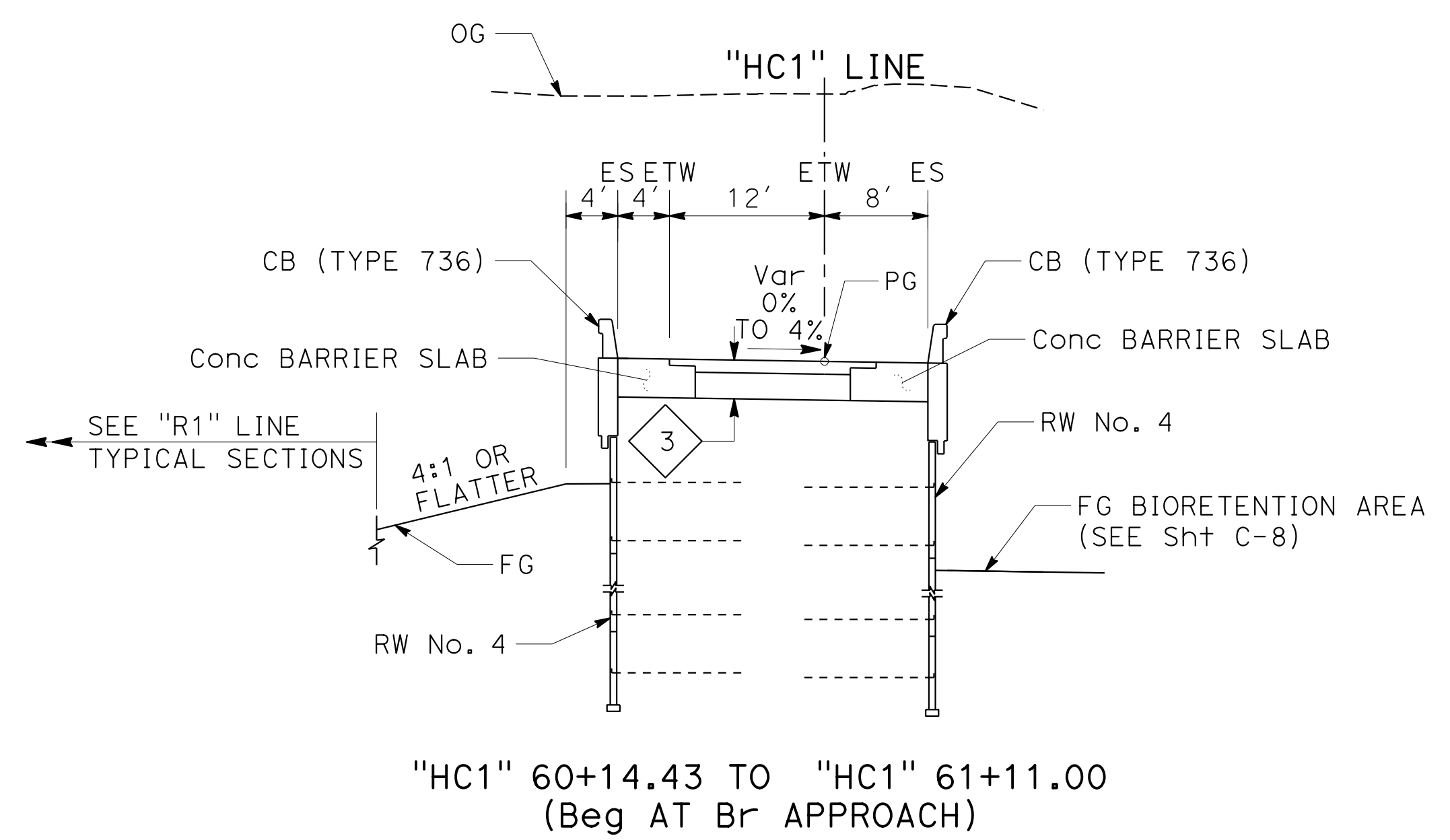
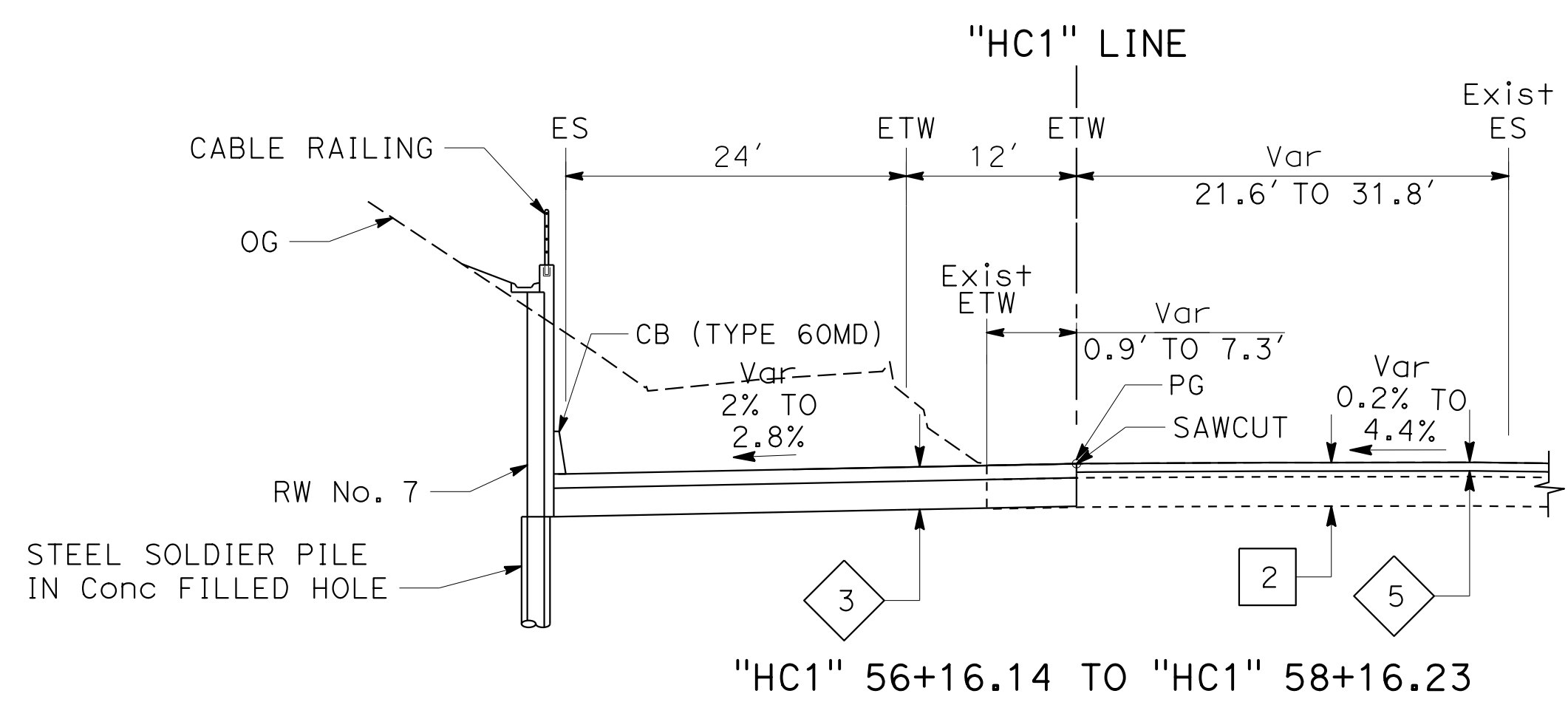
NO SCALE

**X-3**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT - FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: INGRID SUPIT  
 CHECKED BY: INGRID SUPIT  
 REVISIONS:  
 TB 12-12-18  
 IK 4-26-18  
 REVISED BY: PRAVEEN CHILAKAPATI  
 DATE REVISED: 4-26-18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	6	436
 REGISTERED CIVIL ENGINEER			4-1-19	DATE	
PLANS APPROVAL DATE: 5-17-19					
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.					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		

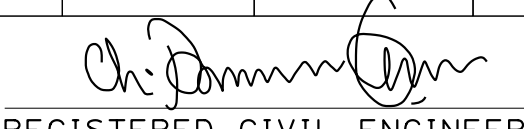
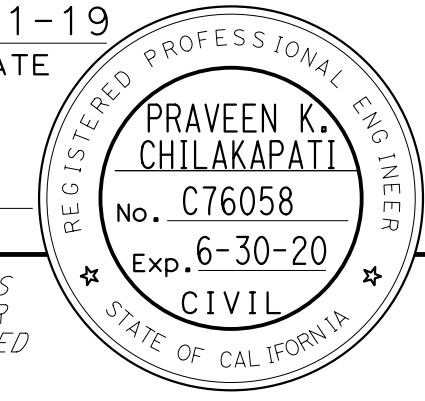


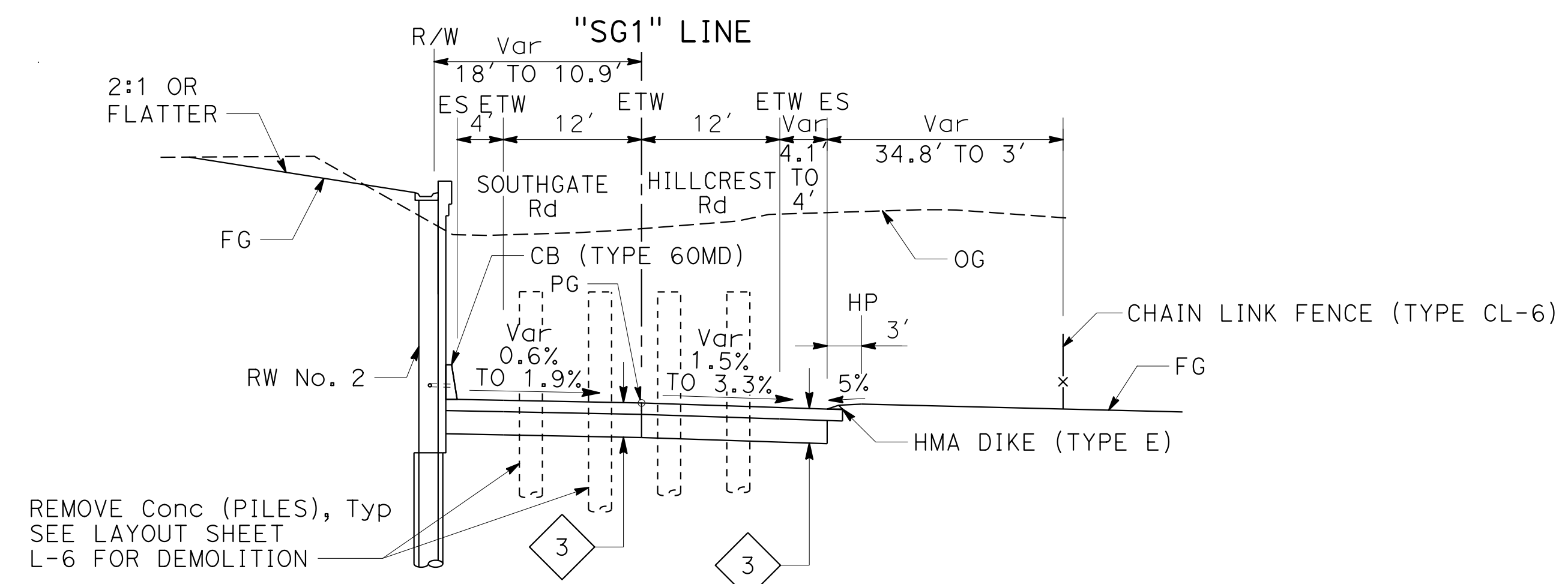
FOR NOTES AND ABBREVIATIONS,  
 SEE SHEET X-1

**TYPICAL CROSS SECTIONS**

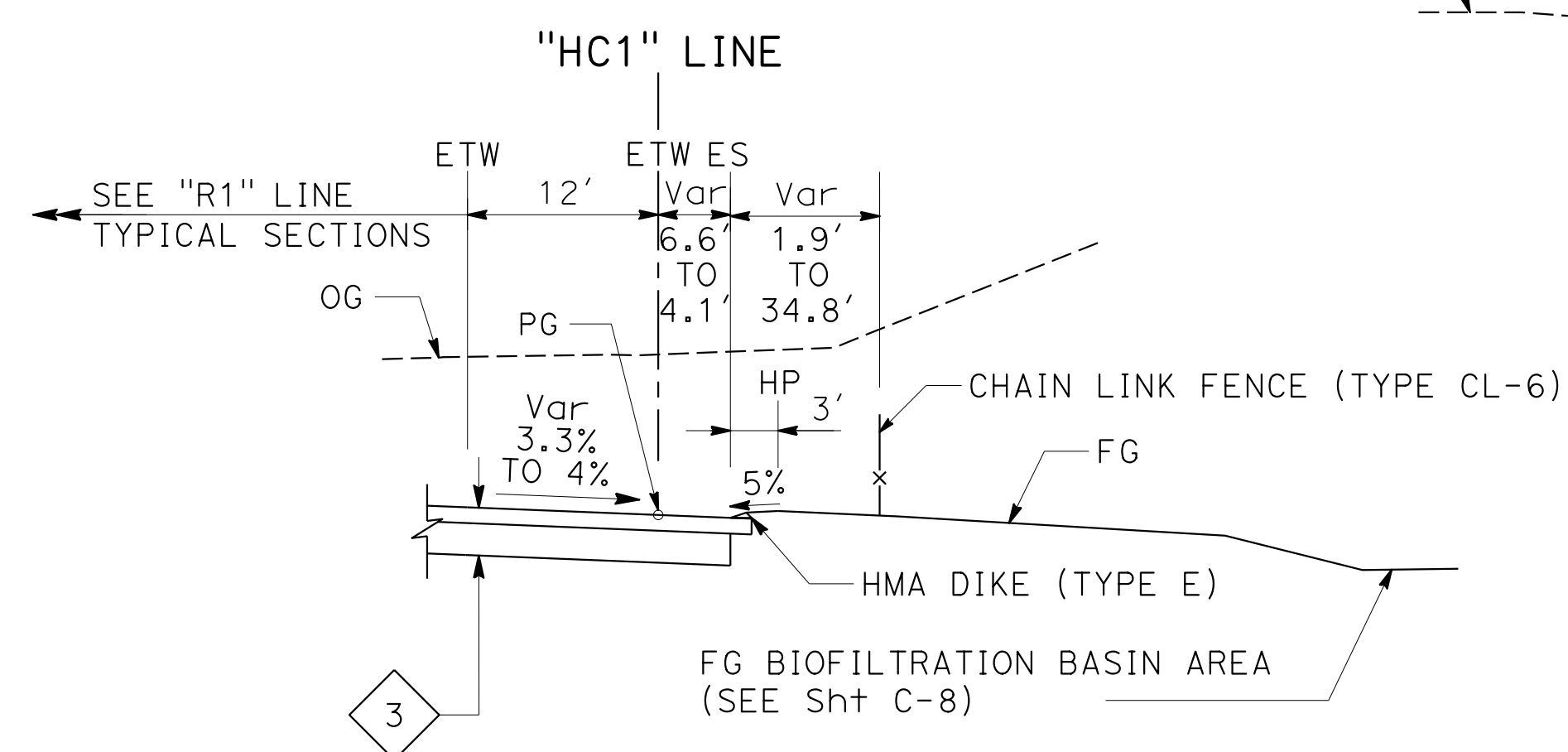
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X-5

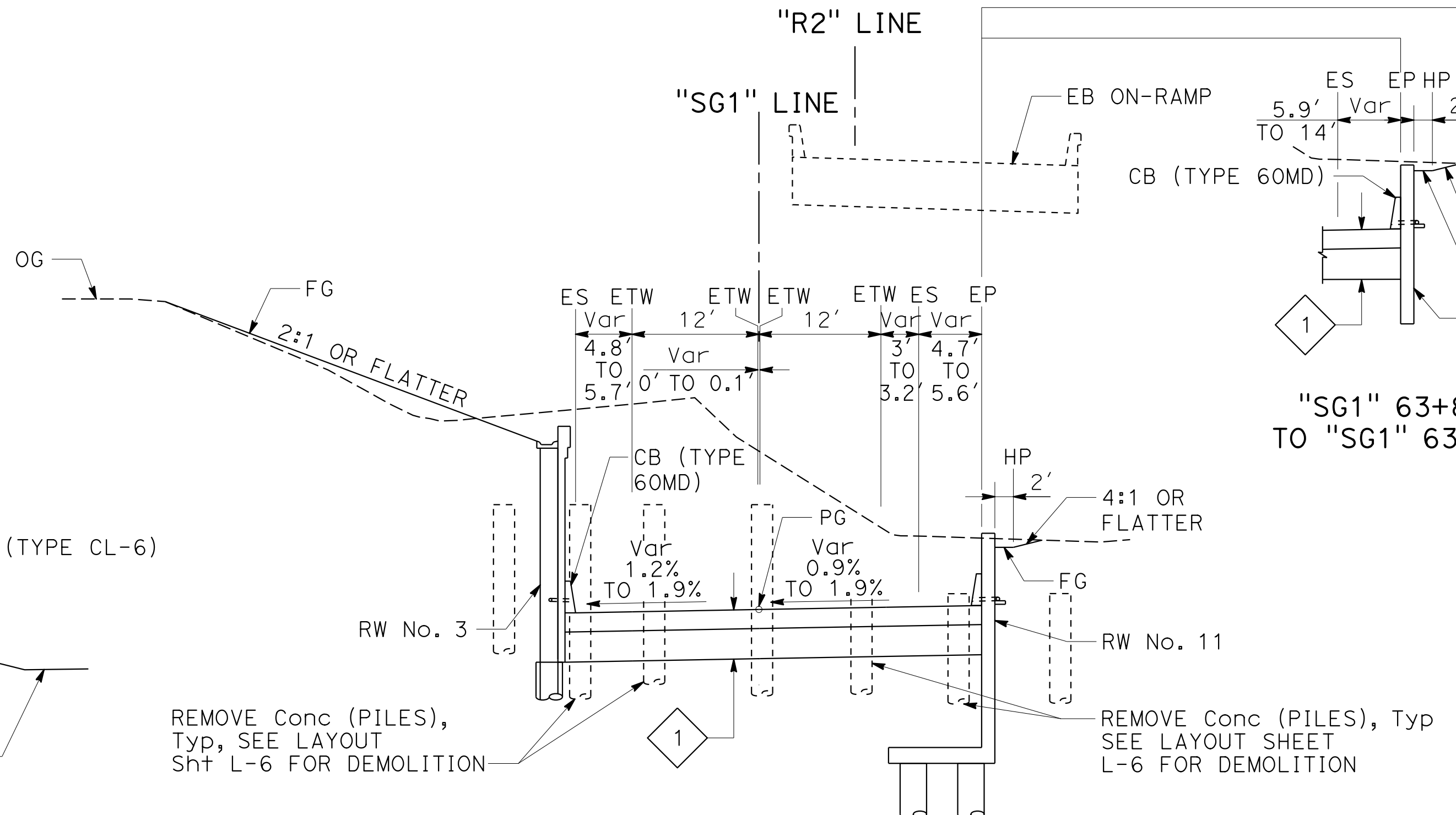
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	7	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		



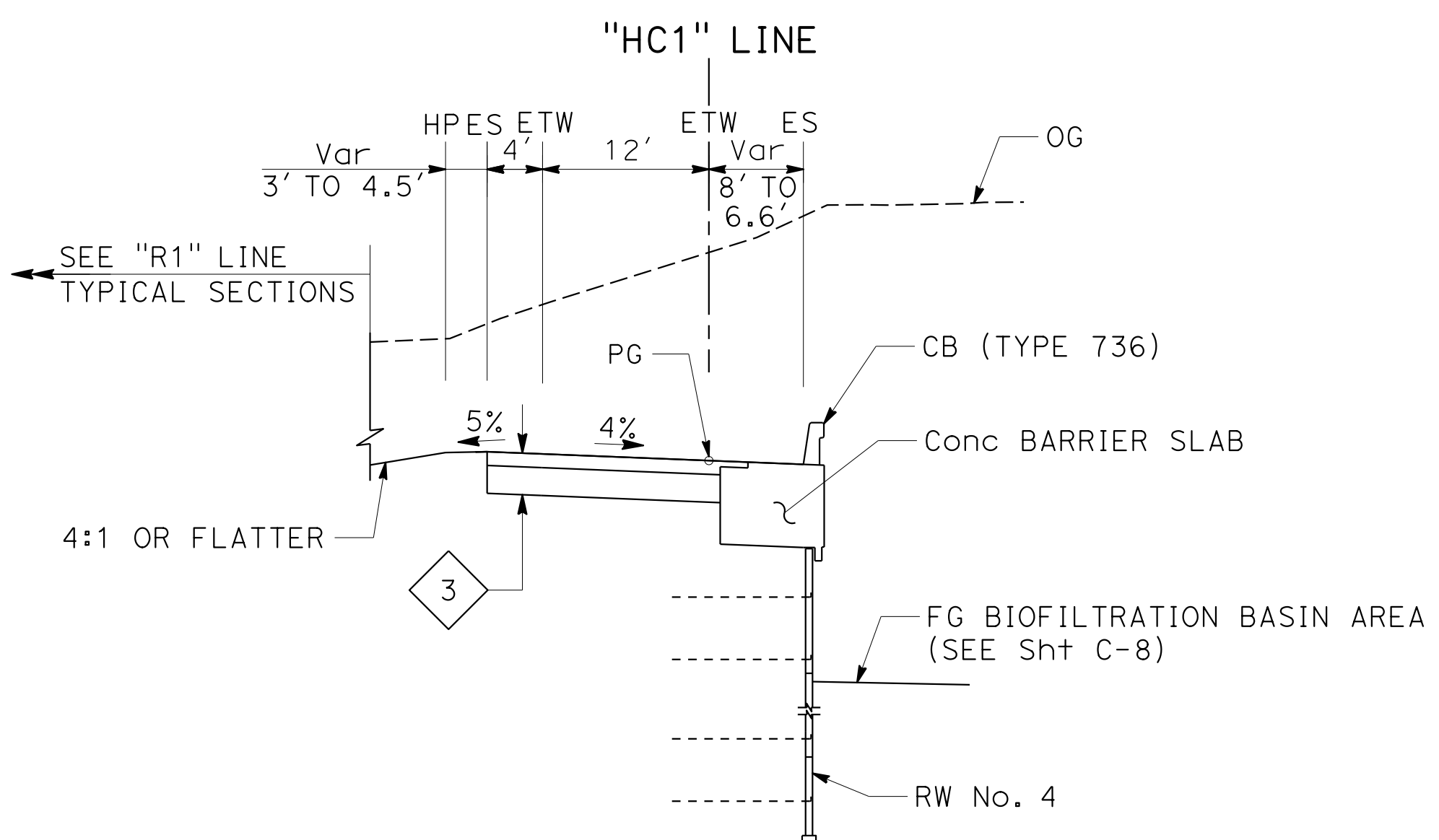
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 "HC1" 62+49.86  
**SOUTHGATE Rd**



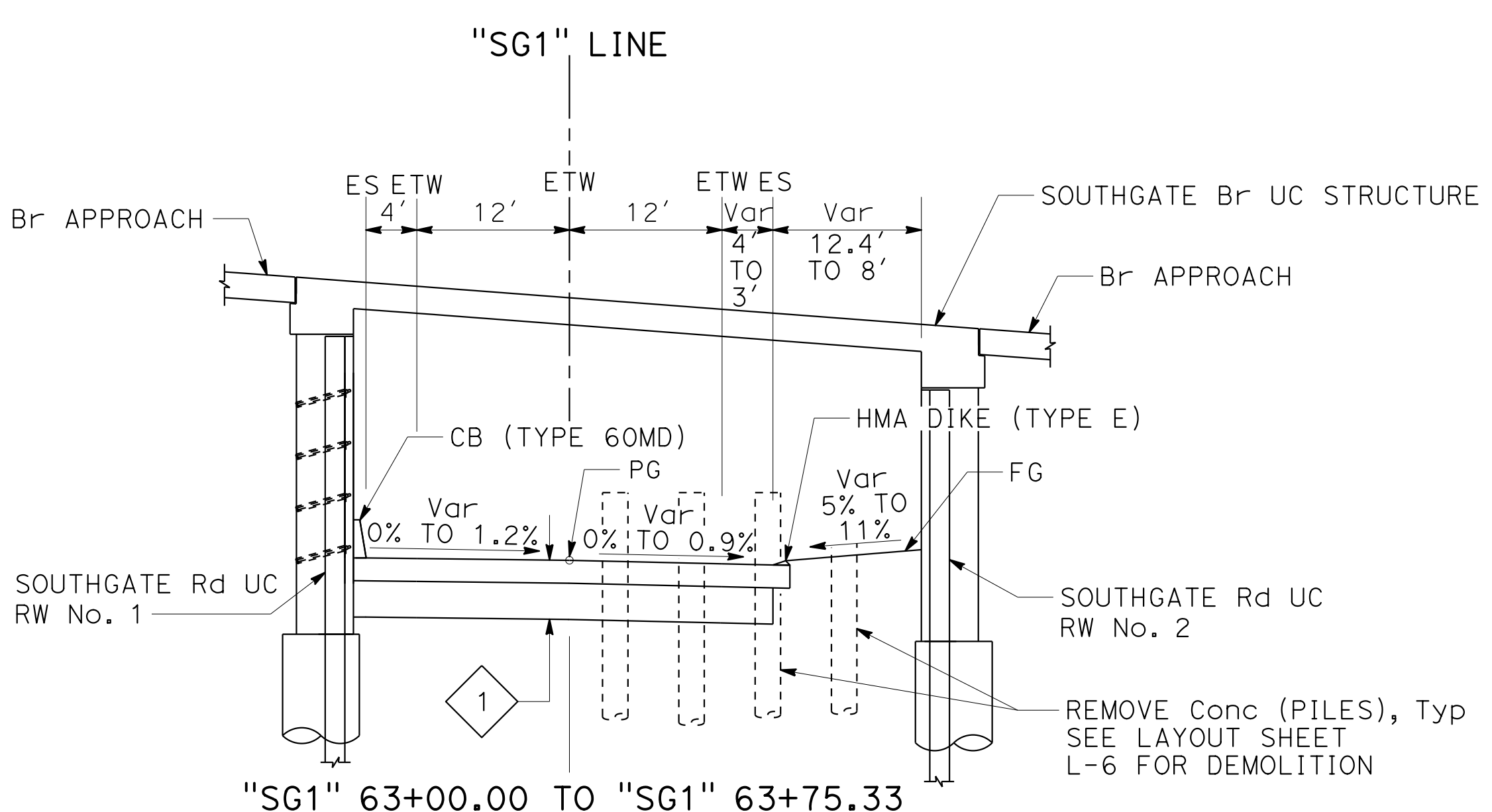
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 "SG1" 62+49.86  
**HILLCREST Rd**



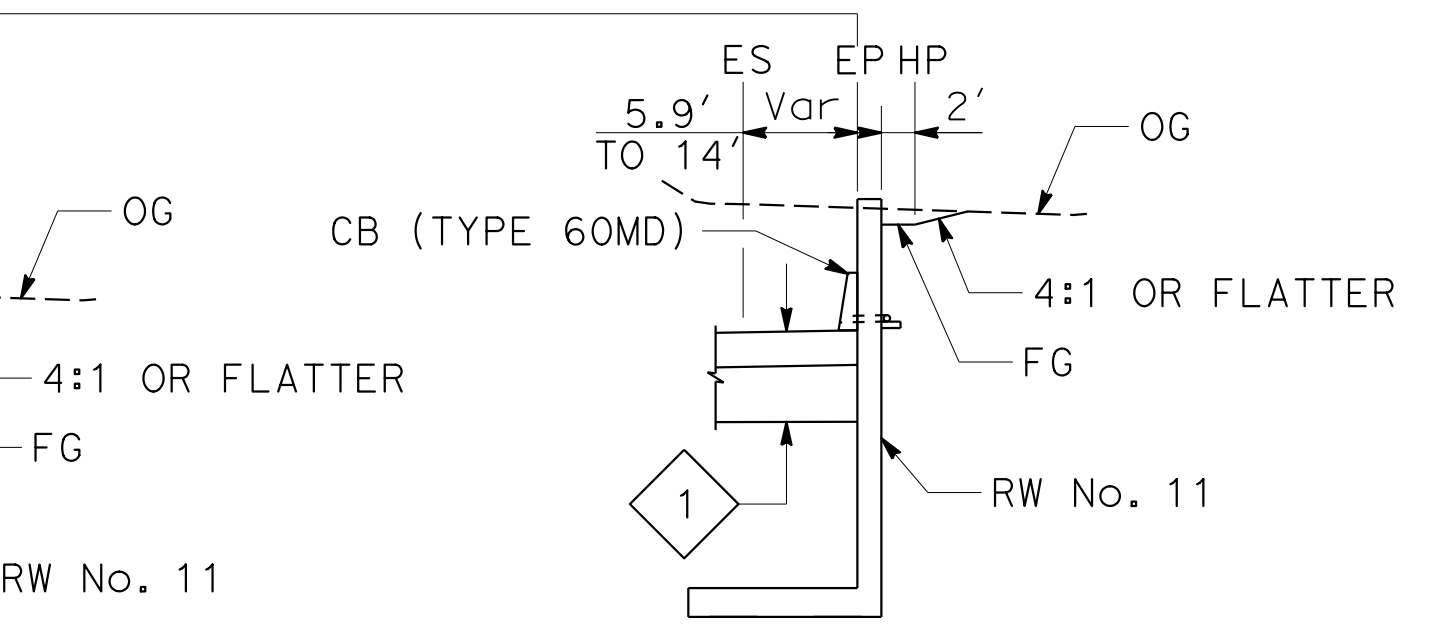
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**SOUTHGATE Rd**



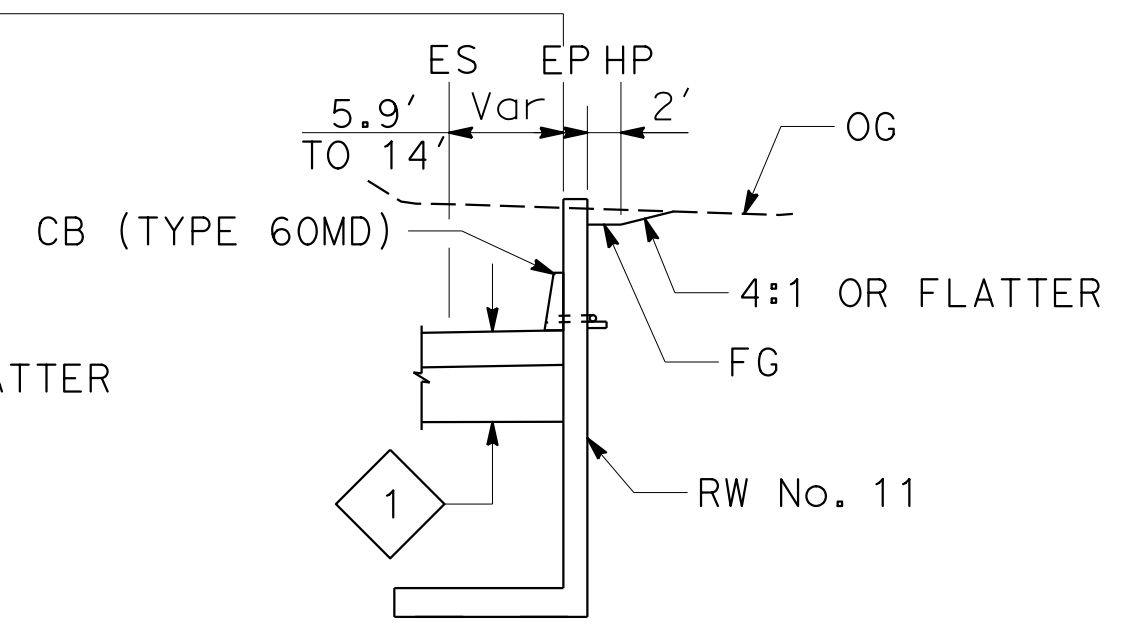
"HC1" 61+11.00 TO "HC1" 61+79.93  
**HILLCREST Rd**



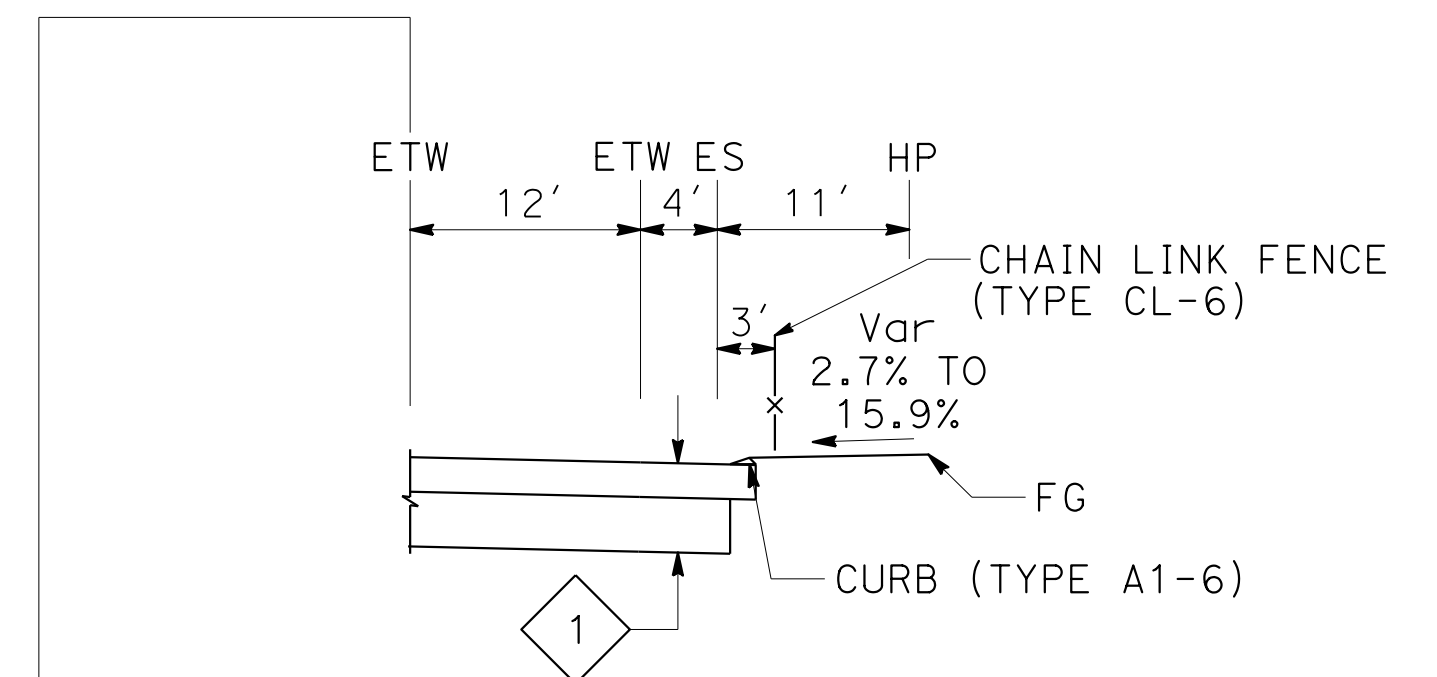
"SG1" 63+00.00 TO "SG1" 63+75.33  
**SOUTHGATE Rd**



"SG1" 63+82.80 TO "SG1" 63+92.80  
**SOUTHGATE Rd**



"SG1" 63+92.80 TO "SG1" 64+13.30  
**SOUTHGATE Rd**



"SG1" 63+03.86 TO "SG1" 63+15.82  
**SOUTHGATE Rd**

FOR NOTES AND ABBREVIATIONS,  
 SEE SHEET X-1

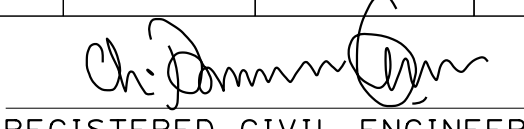
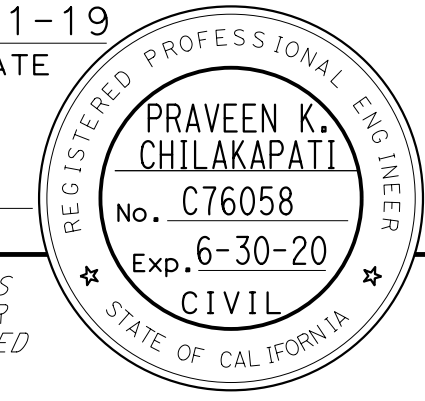
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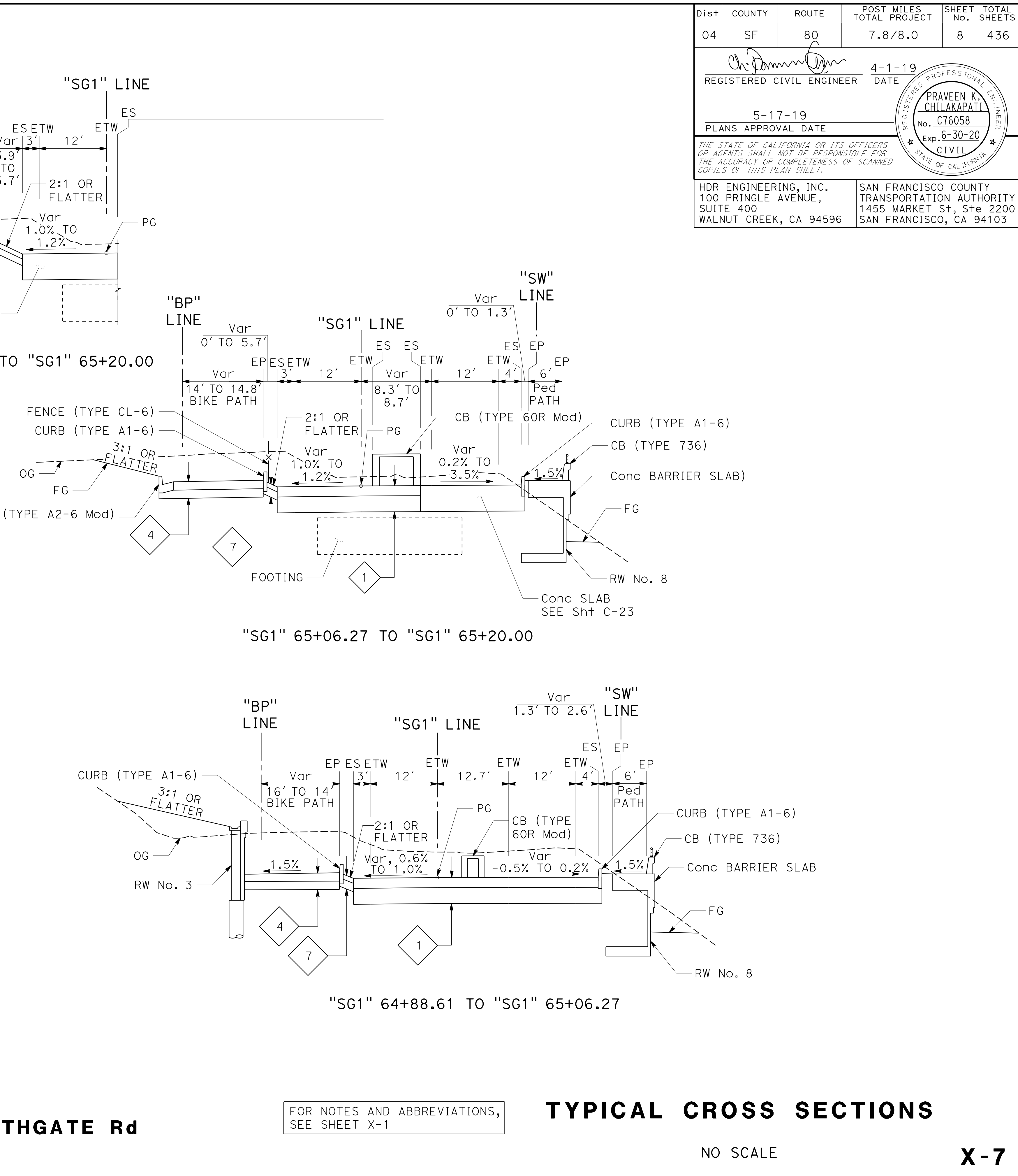
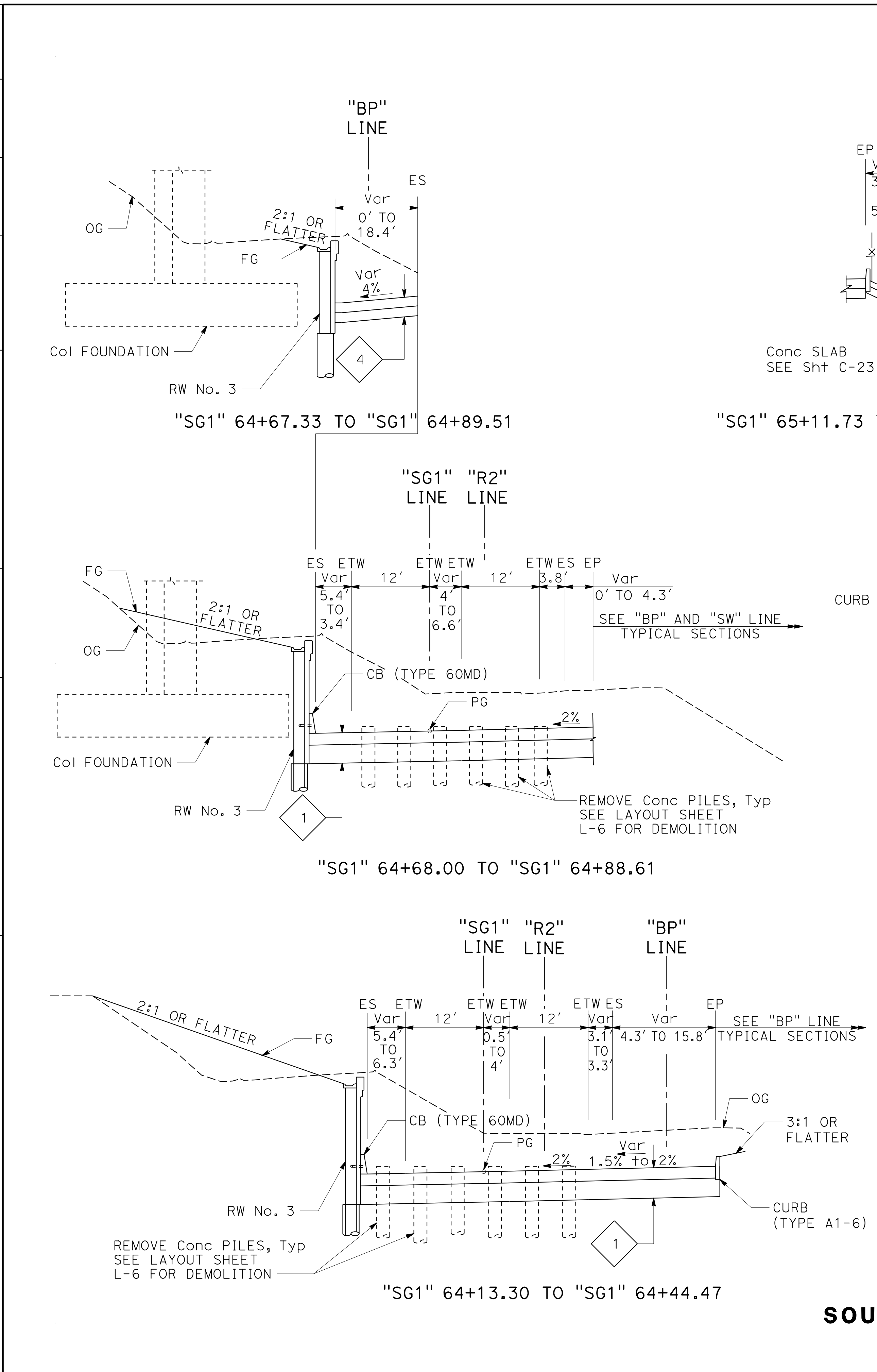
**X-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	8	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans



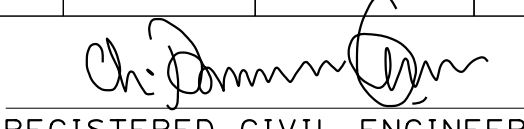
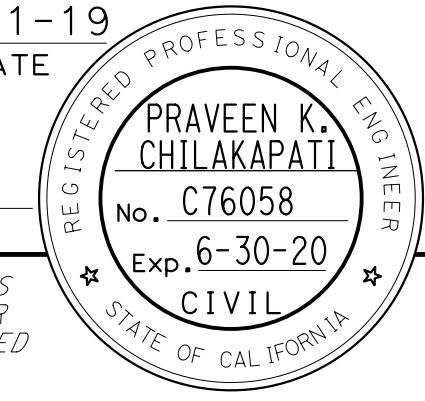
**SOUTHGATE Rd**

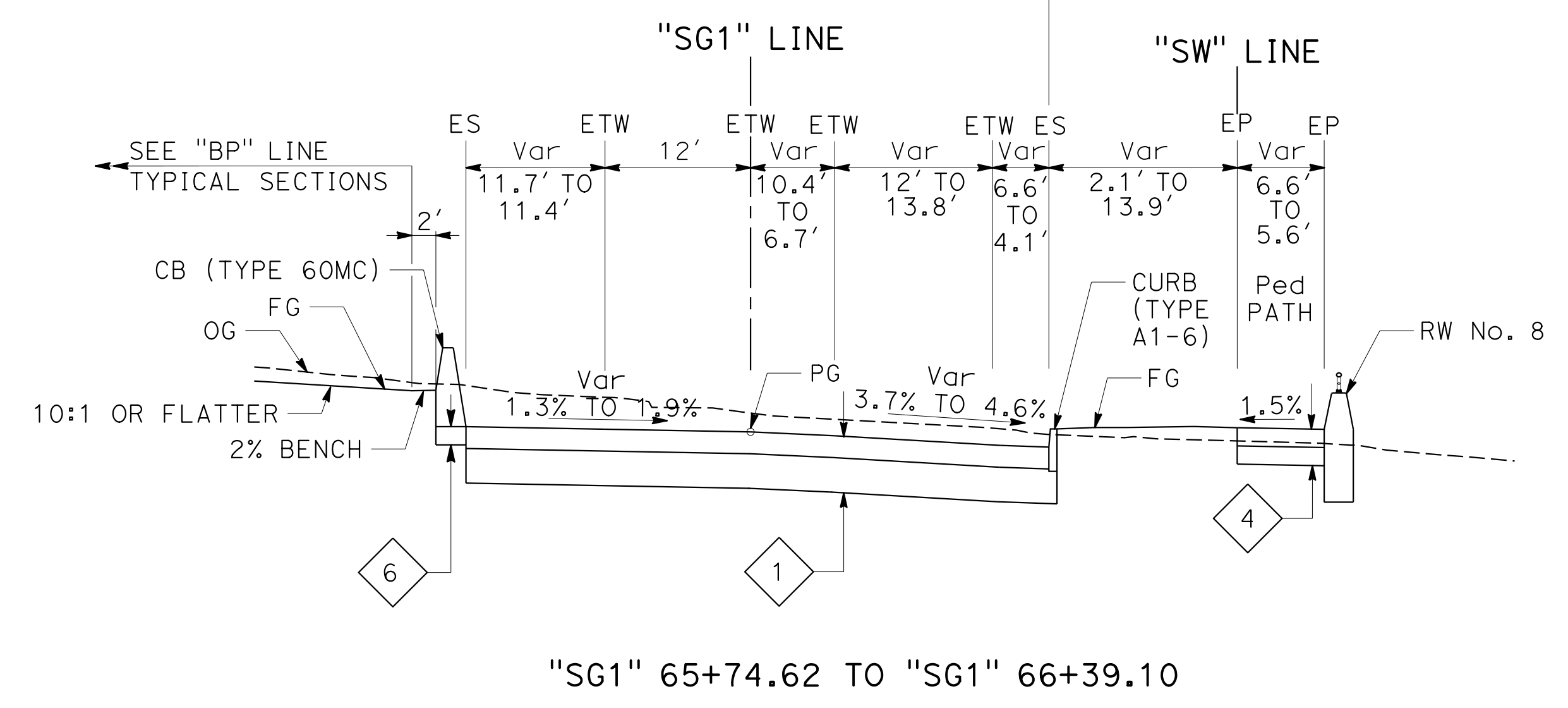
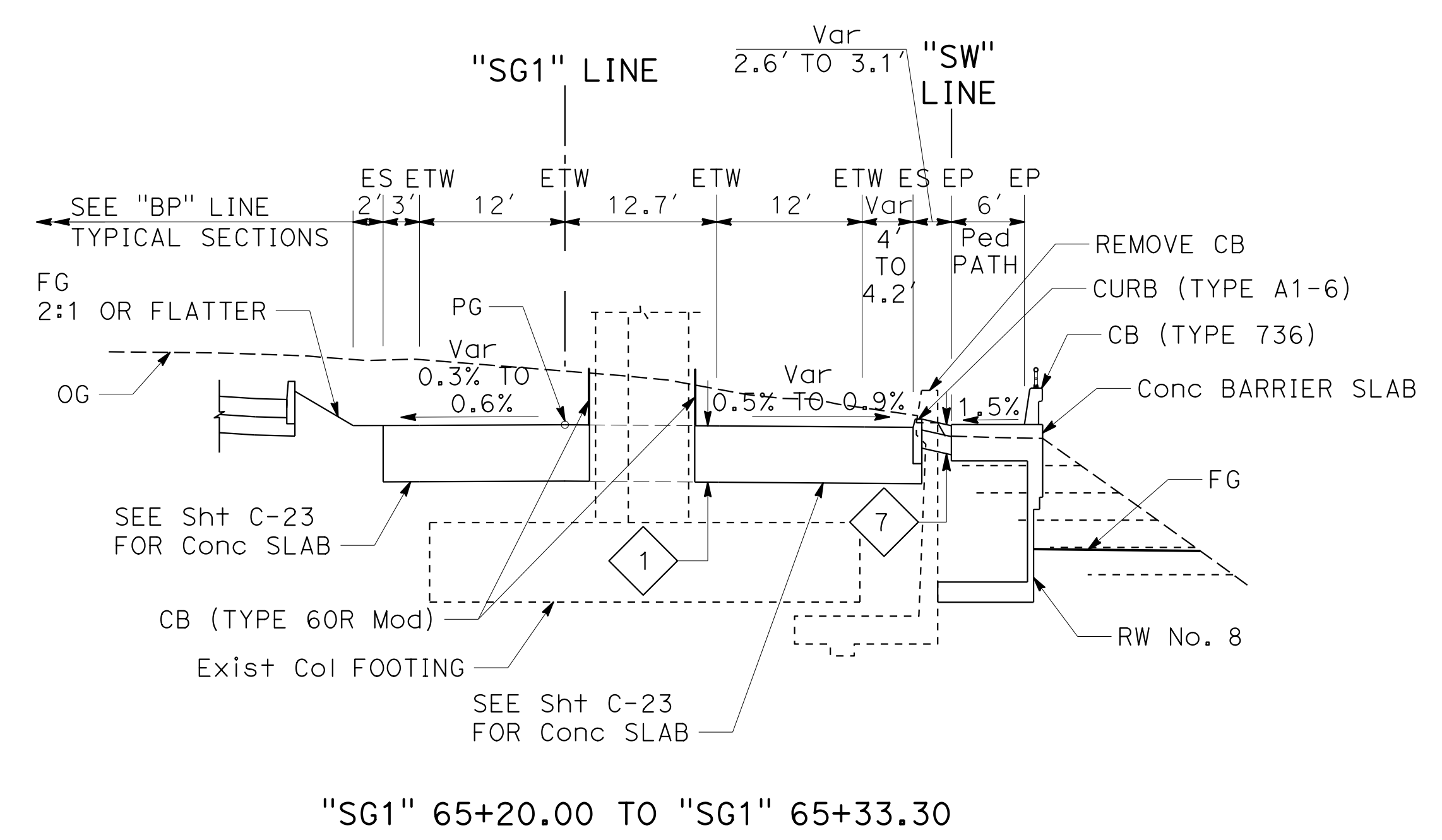
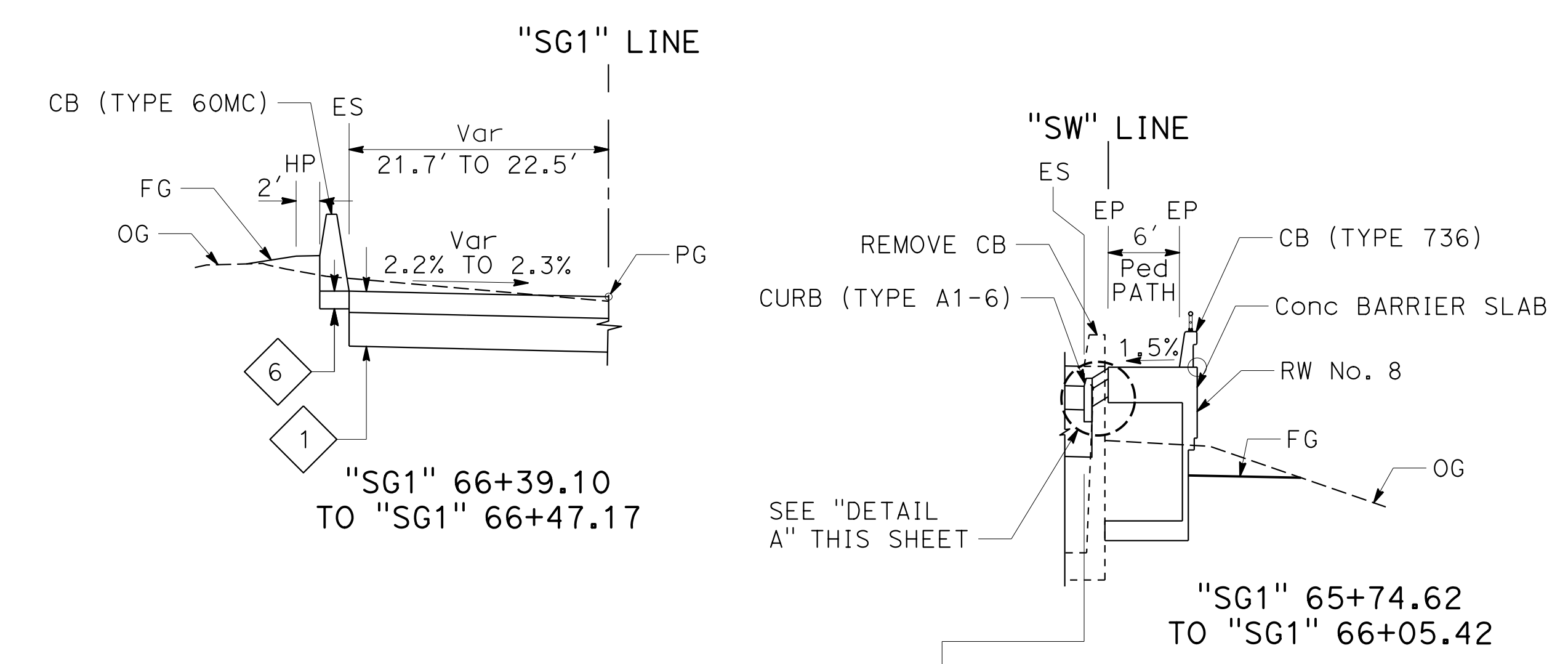
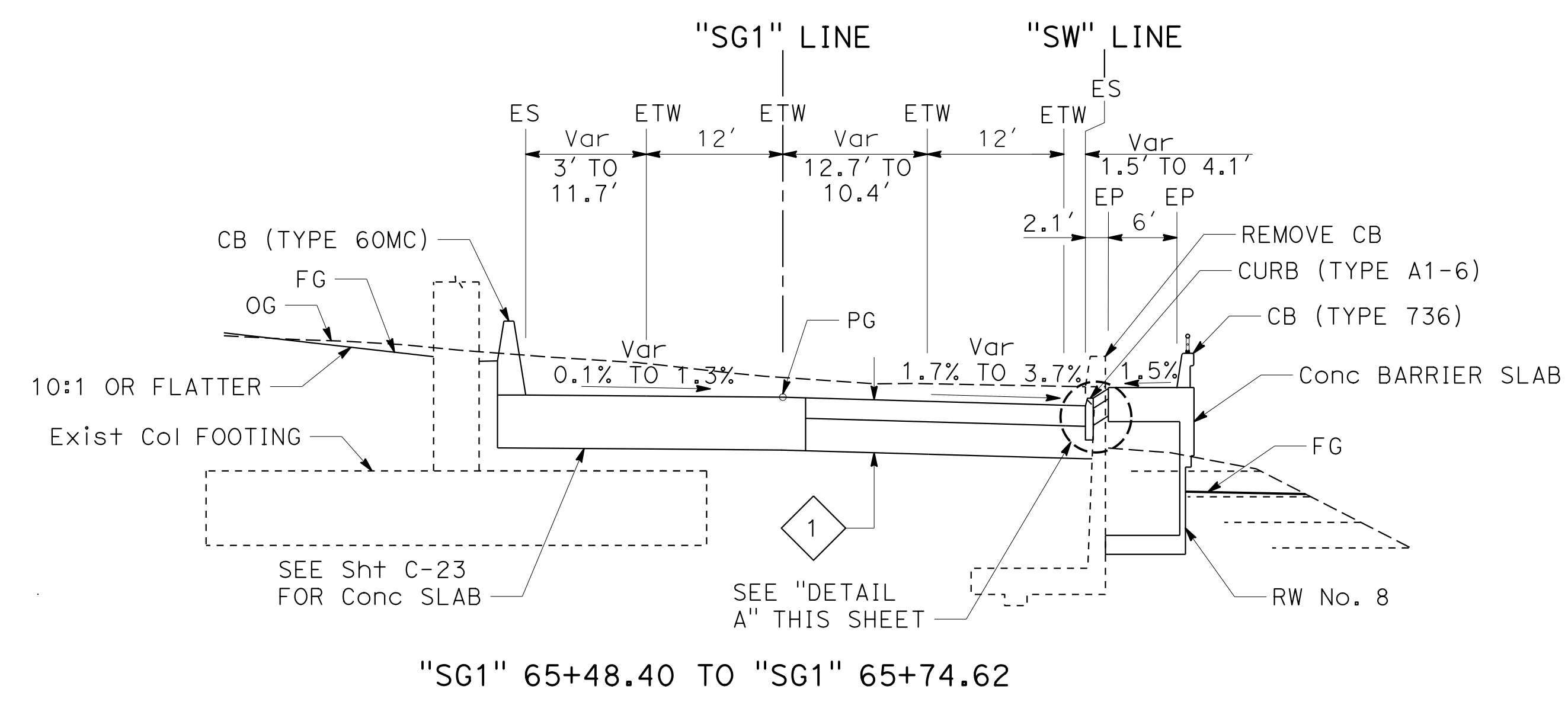
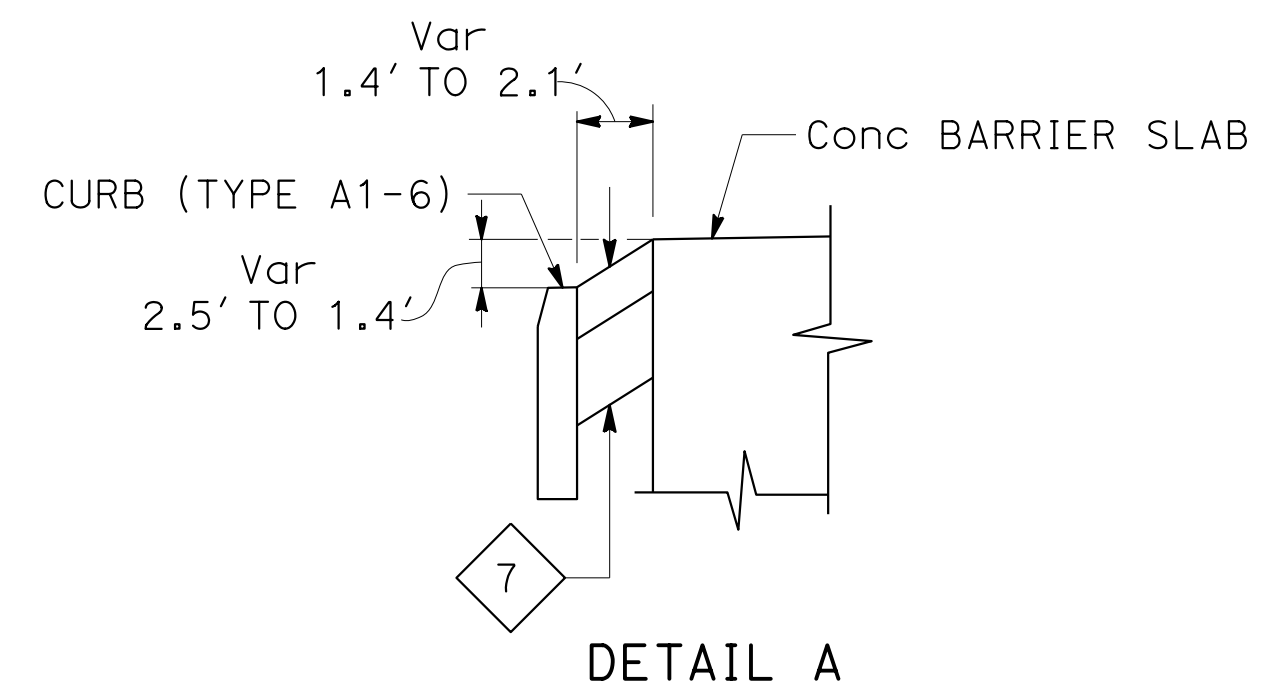
FOR NOTES AND ABBREVIATIONS,  
SEE SHEET X-1

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-7**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	9	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		



**SOUTHGATE Rd**

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-8**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT - PRAVEEN CHILAKAPATI  
 SUPERVISOR - INGRID V. SUPIT  
 DESIGNED BY - INGRID SUPIT  
 CHECKED BY -  
 REVISIONS:  
 2-13-19 IK  
 4-26-18 IK

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RELATIVE BORDER SCALE  
 1" = 10' IN INCHES

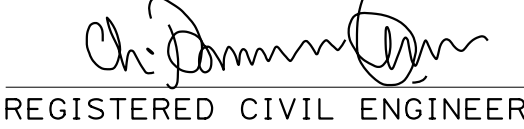
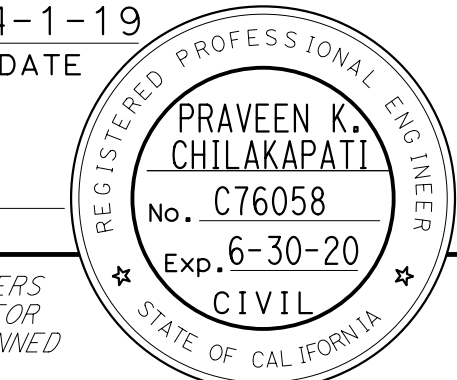


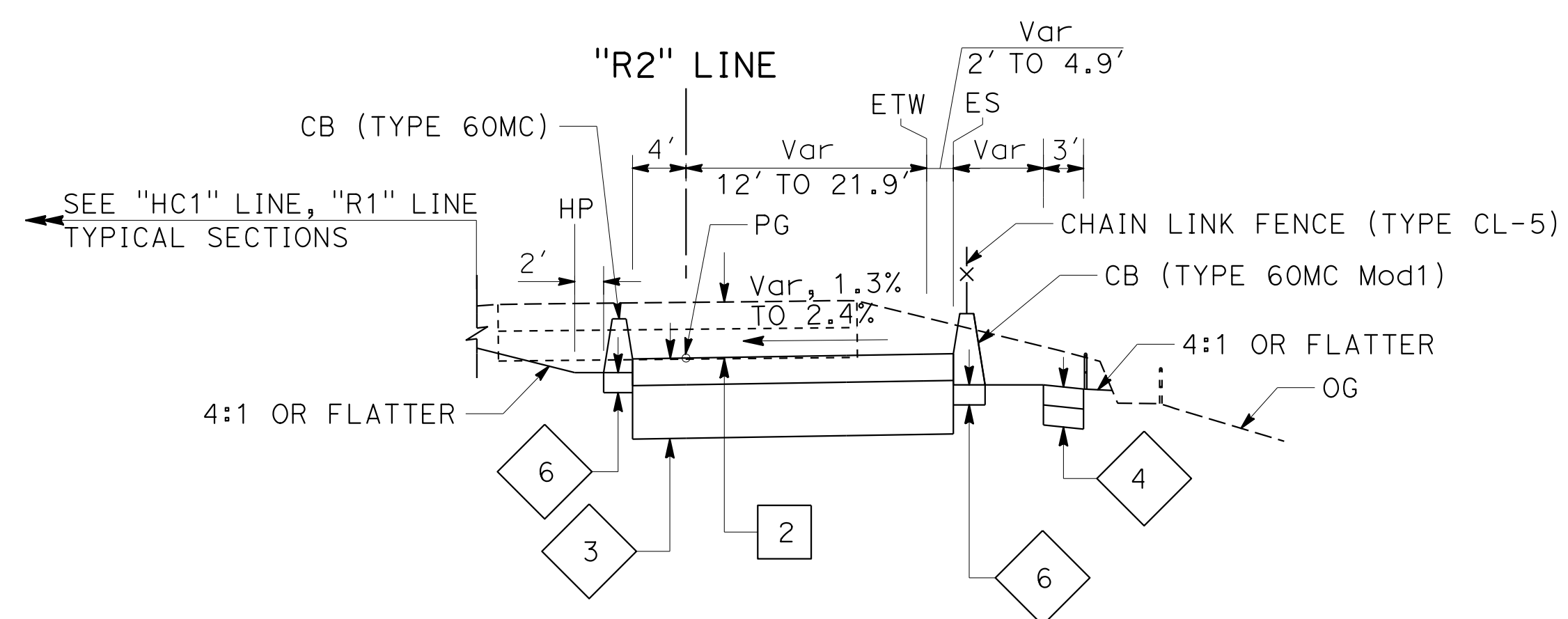
UNIT 0728

PROJECT NUMBER & PHASE

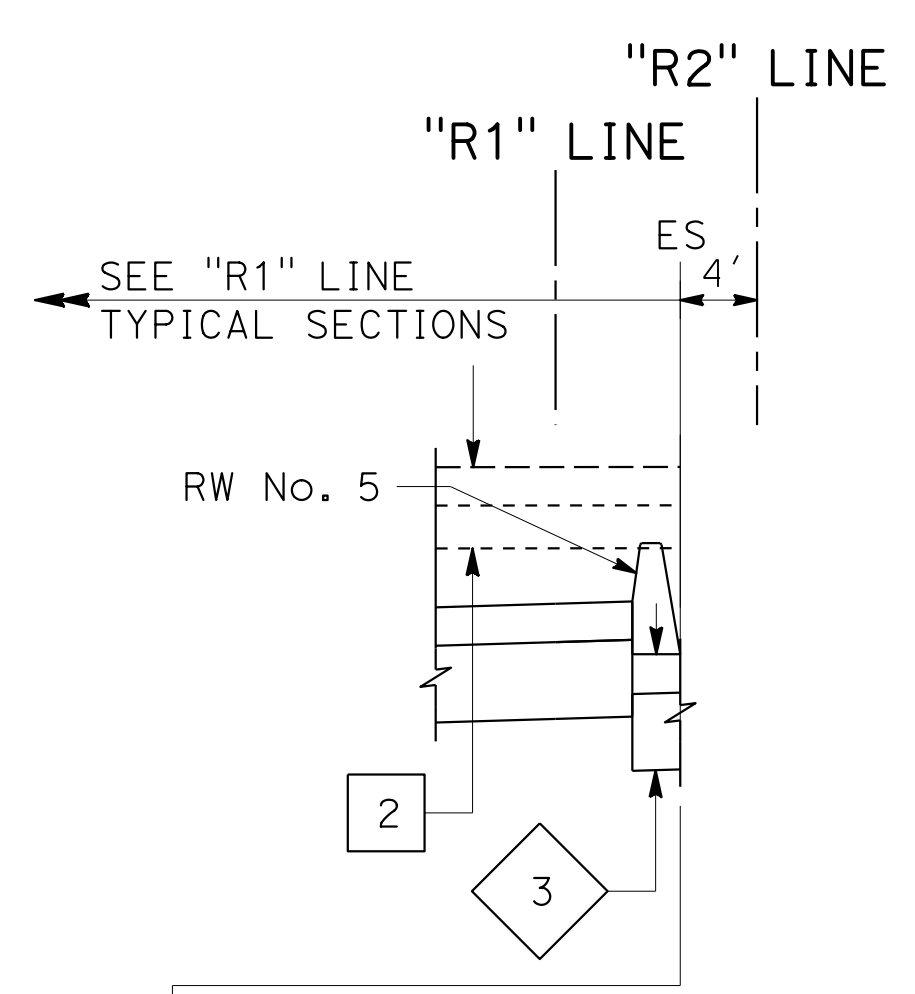
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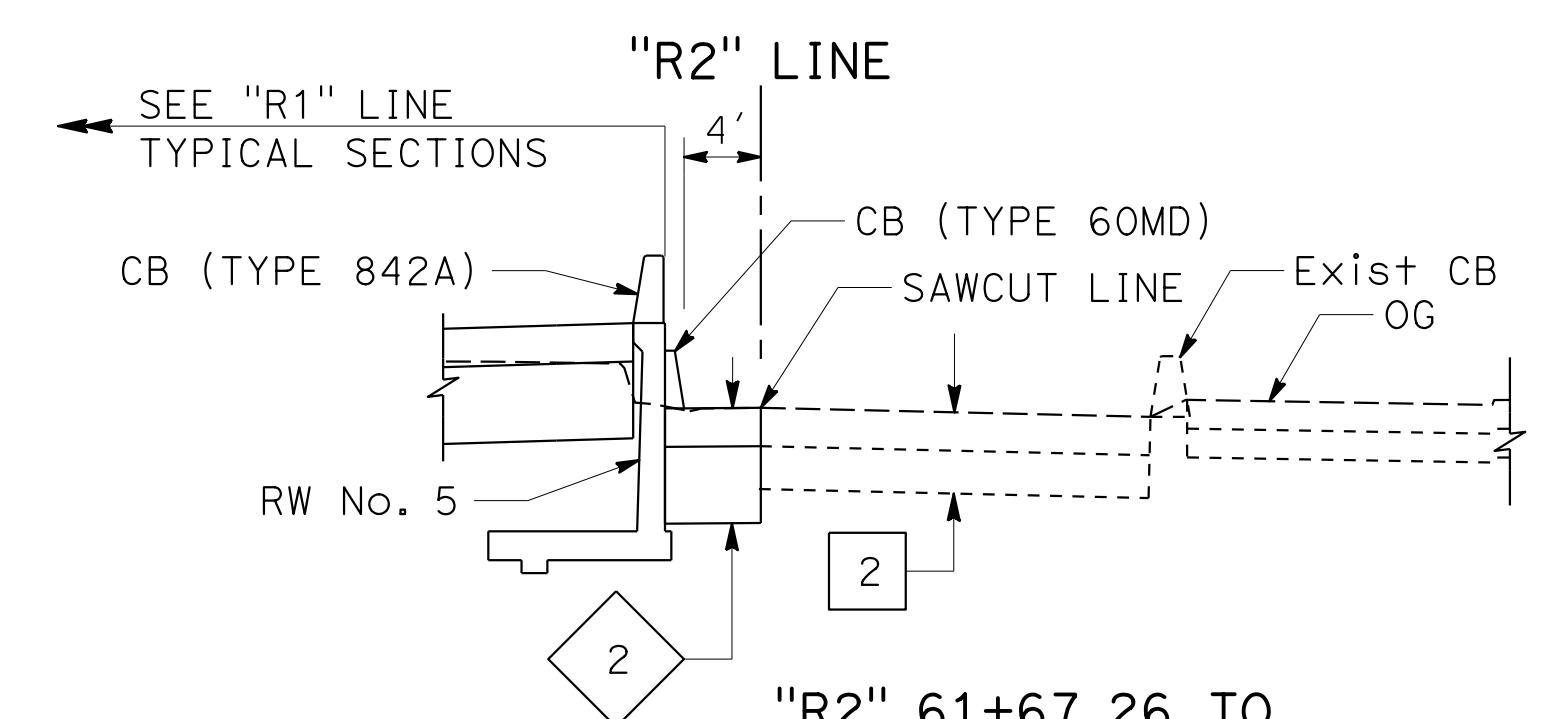
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	10	436
 REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE			5-17-19		
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		



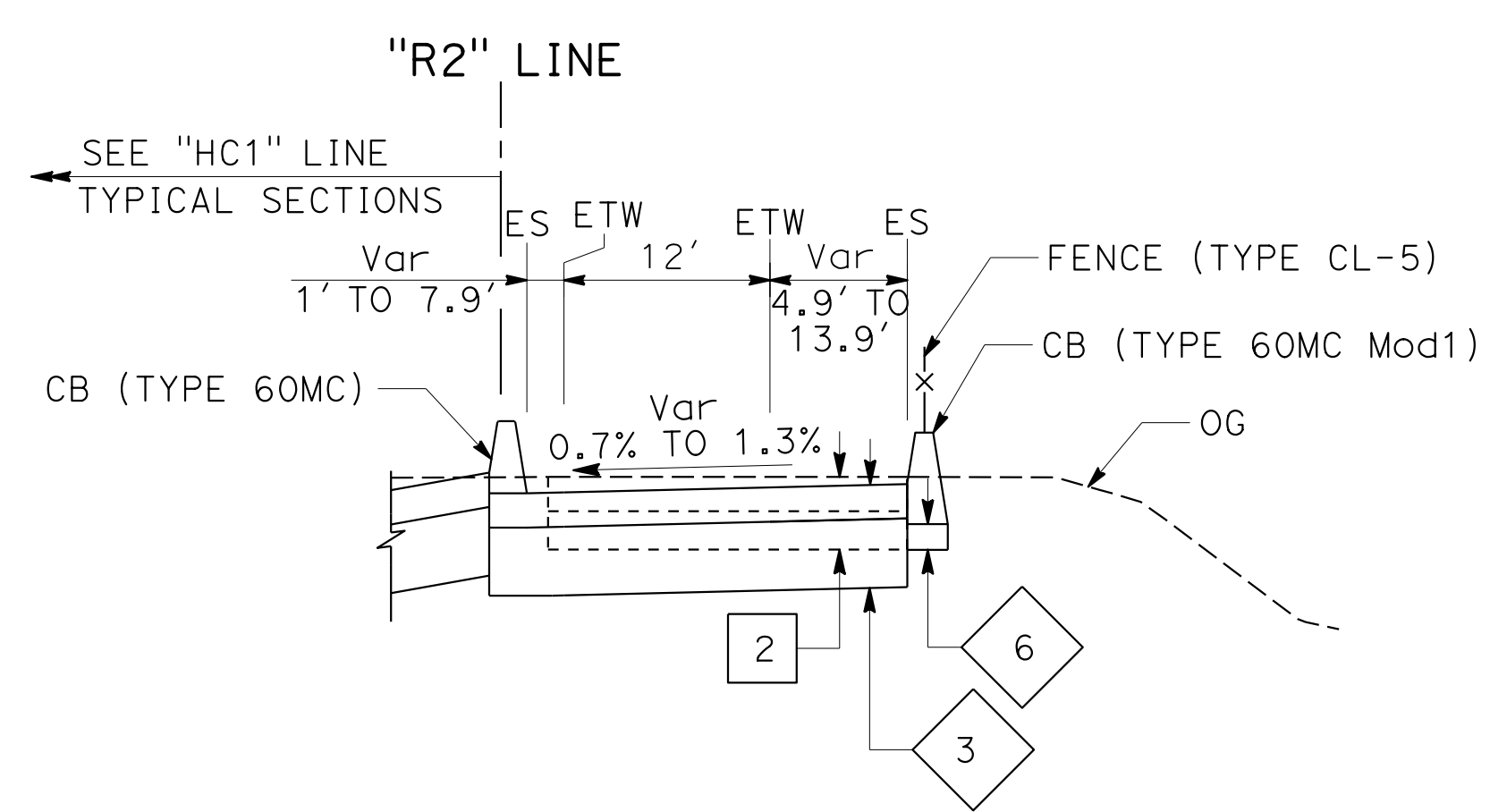
"R2" 58+84.27 TO "R2" 59+71.50



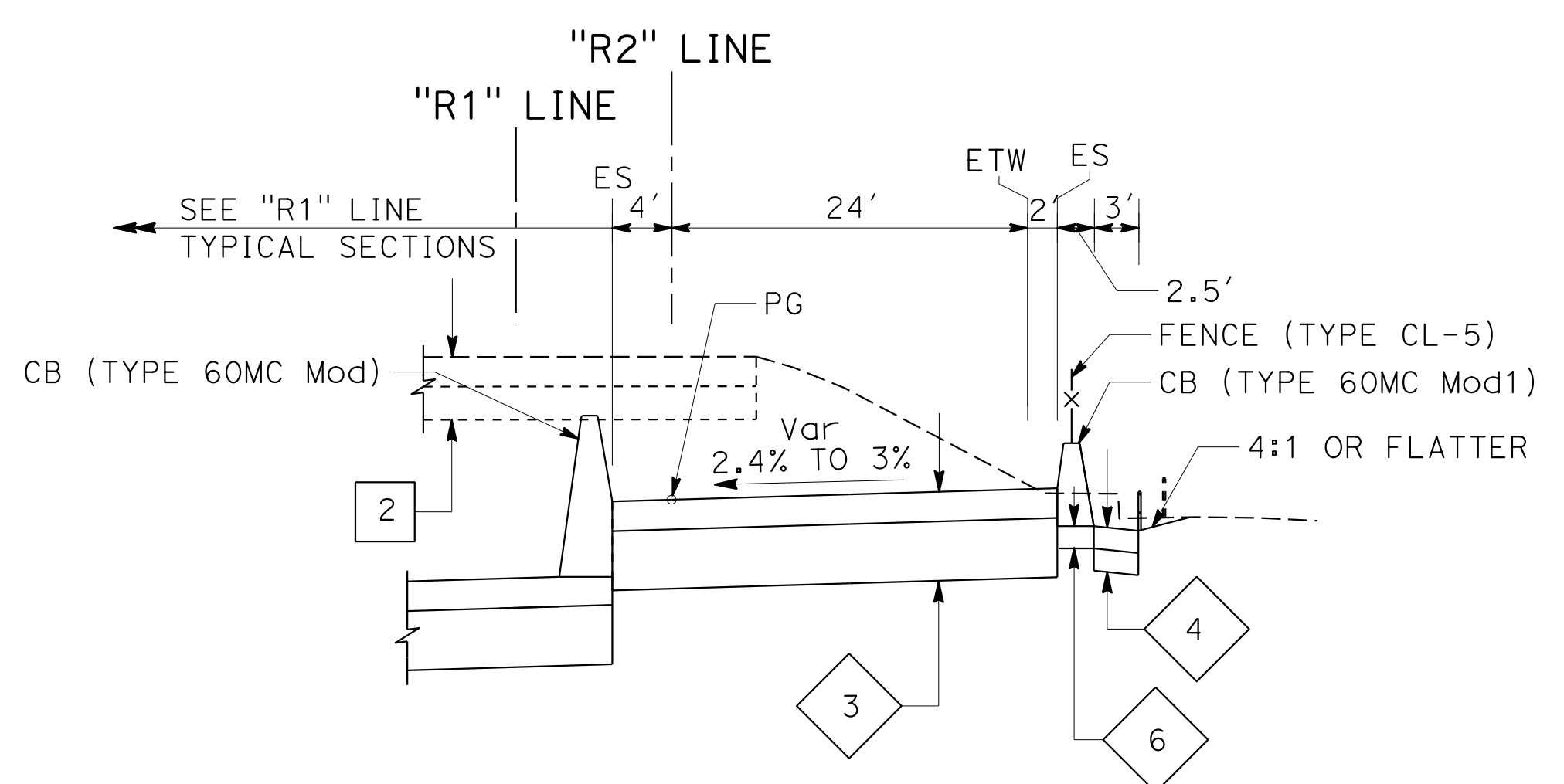
"R2" 60+35.76 TO "R2" 60+70.12



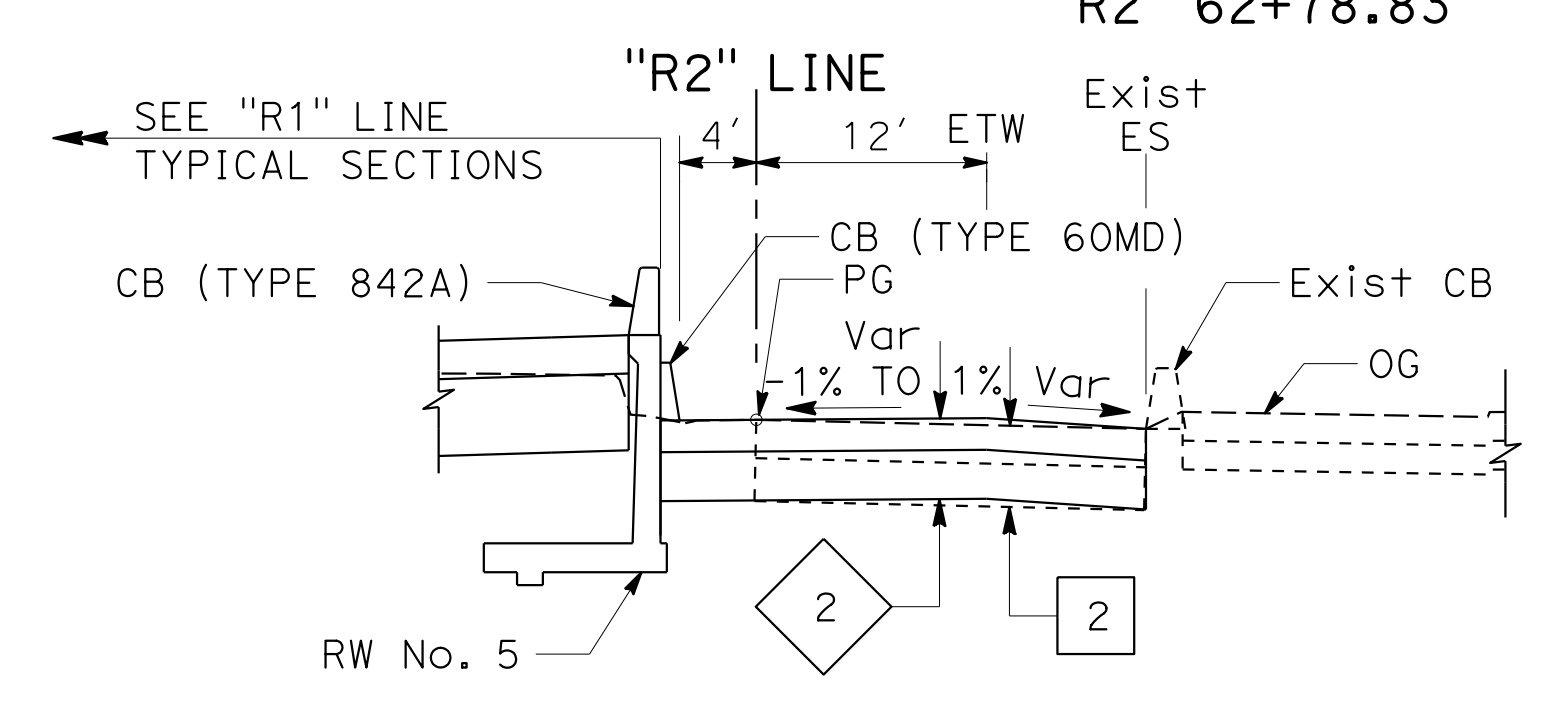
"R2" 61+67.26 TO "R2" 62+78.83



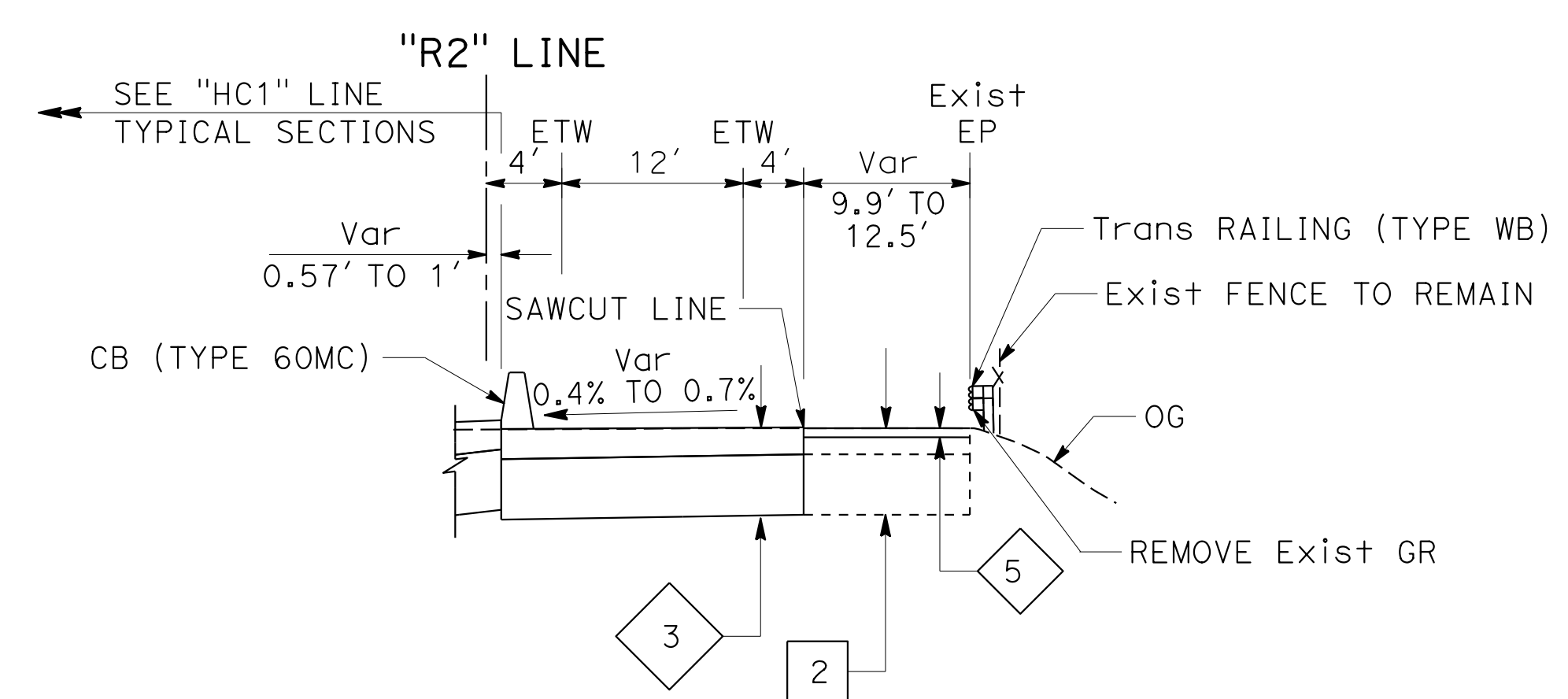
"R2" 58+40.70 TO "R2" 58+84.27



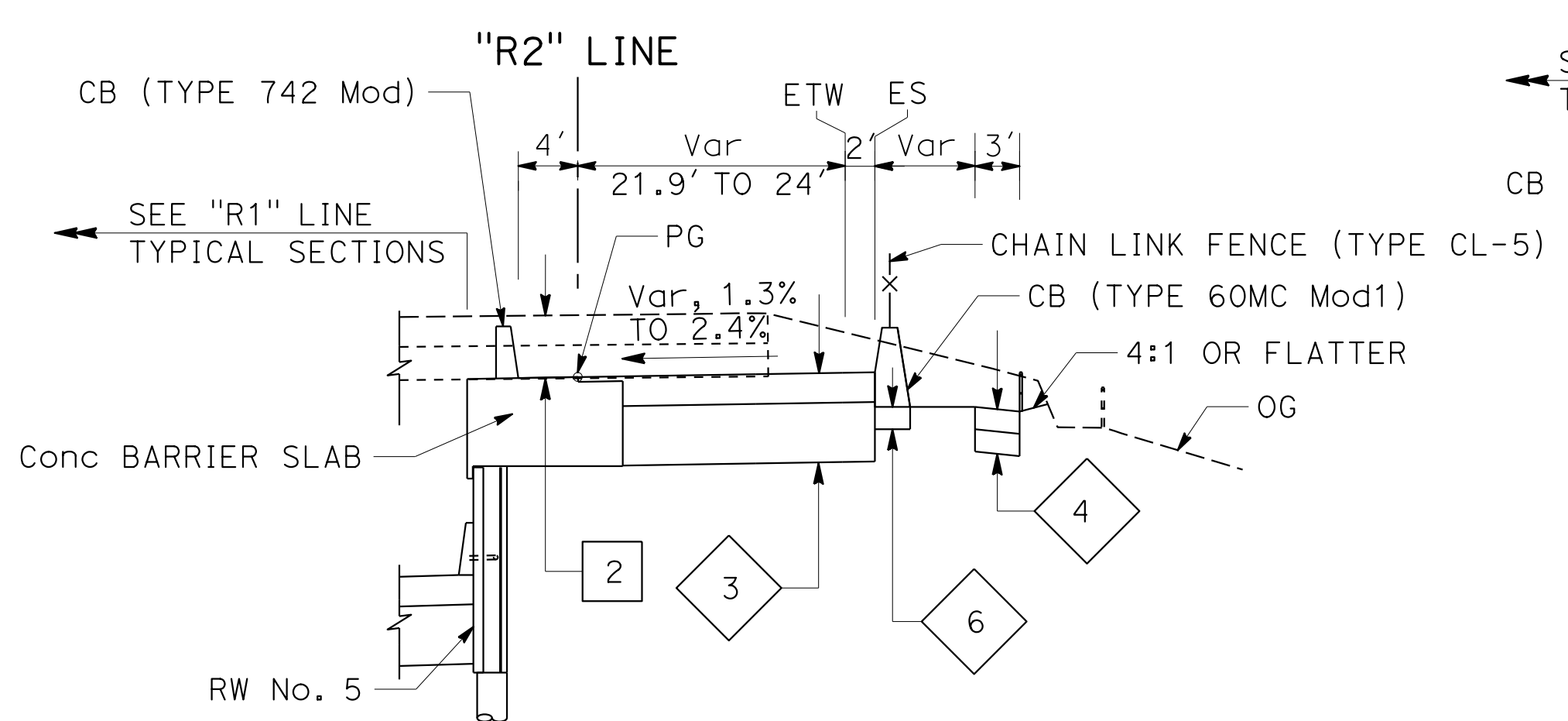
"R2" 60+14.73 TO "R2" 60+70.12



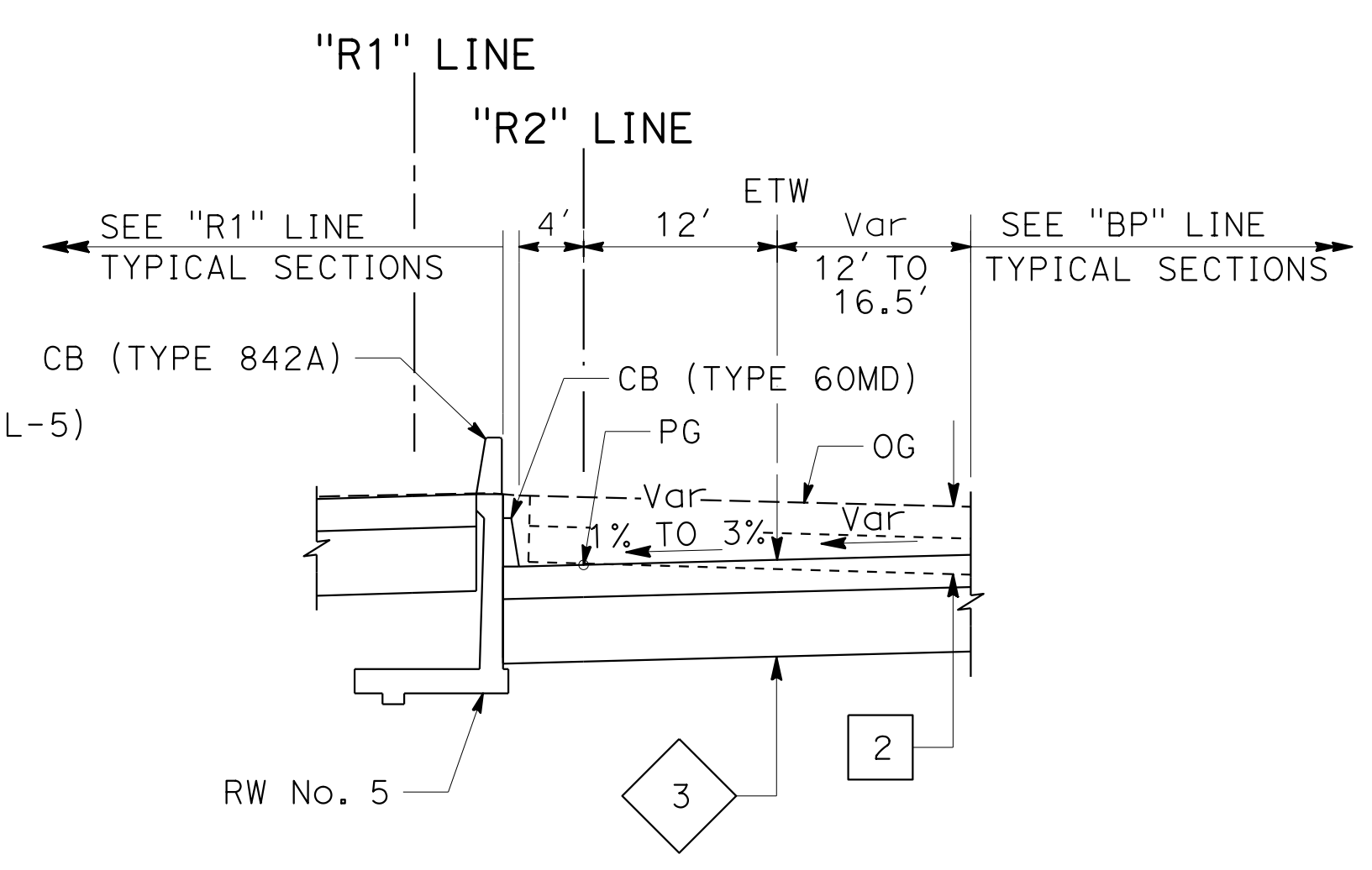
"R2" 61+40.00 TO "R2" 61+67.26



"R2" 58+16.23 TO "R2" 58+40.70



"R2" 59+71.50 TO "R2" 60+14.73



"R2" 60+70.12 TO "R2" 61+40.00

**ROUTE 80  
EB ON-RAMP**

FOR NOTES AND ABBREVIATIONS,  
SEE SHEET X-1

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-9**

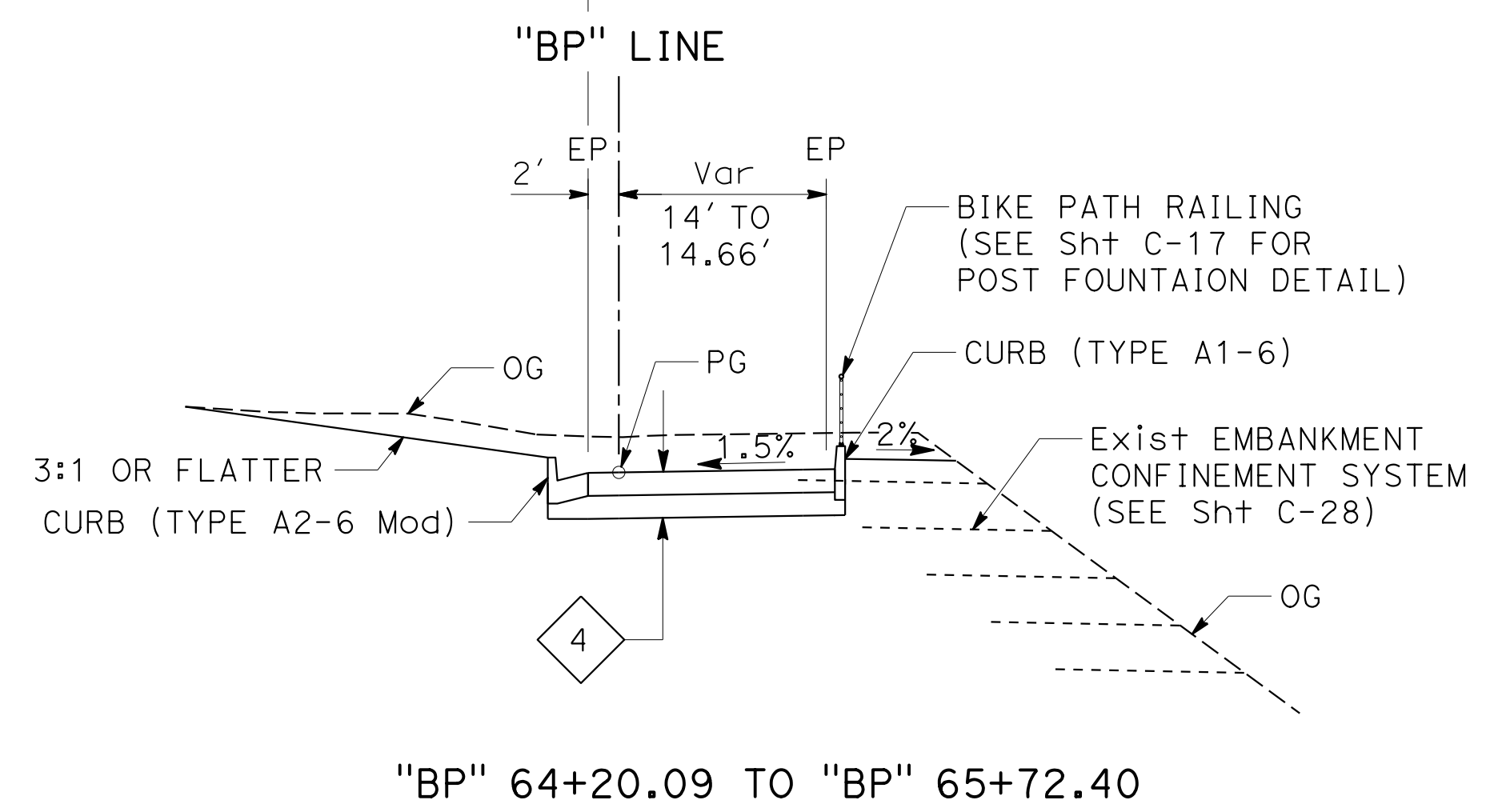
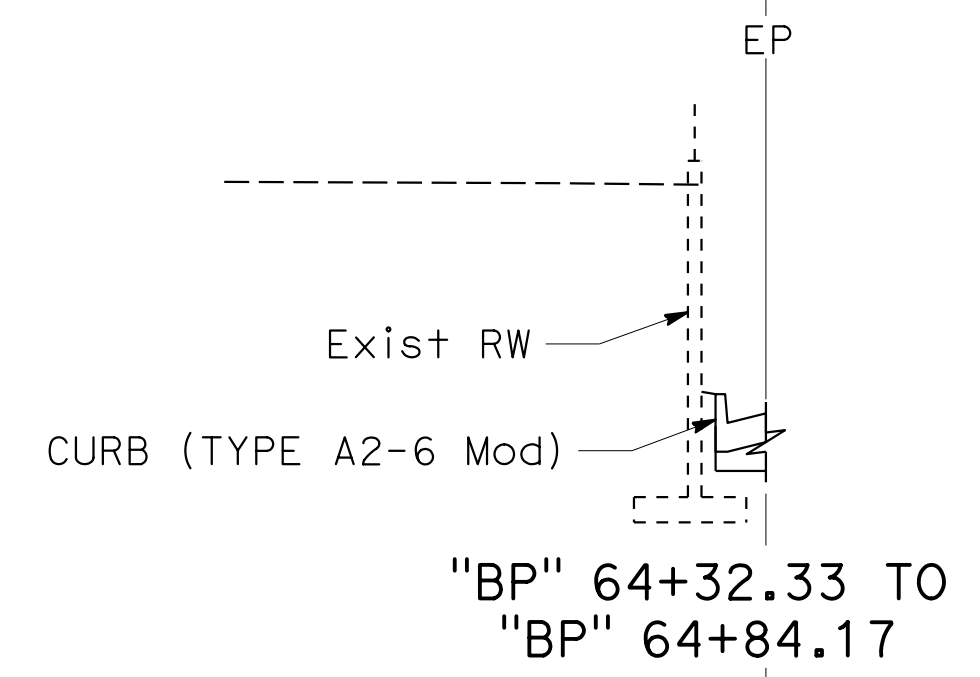
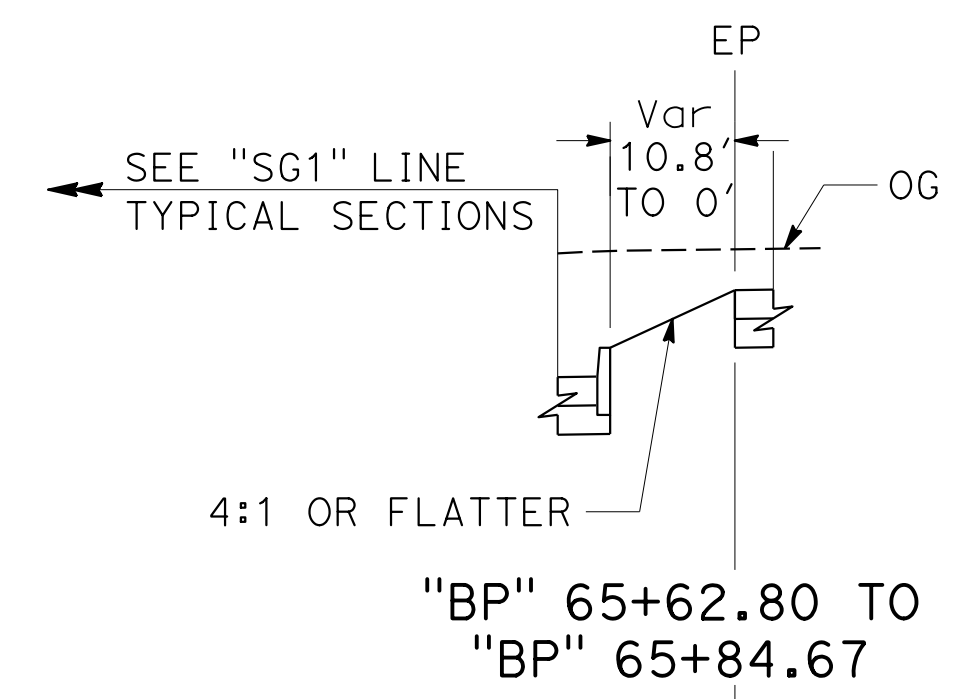
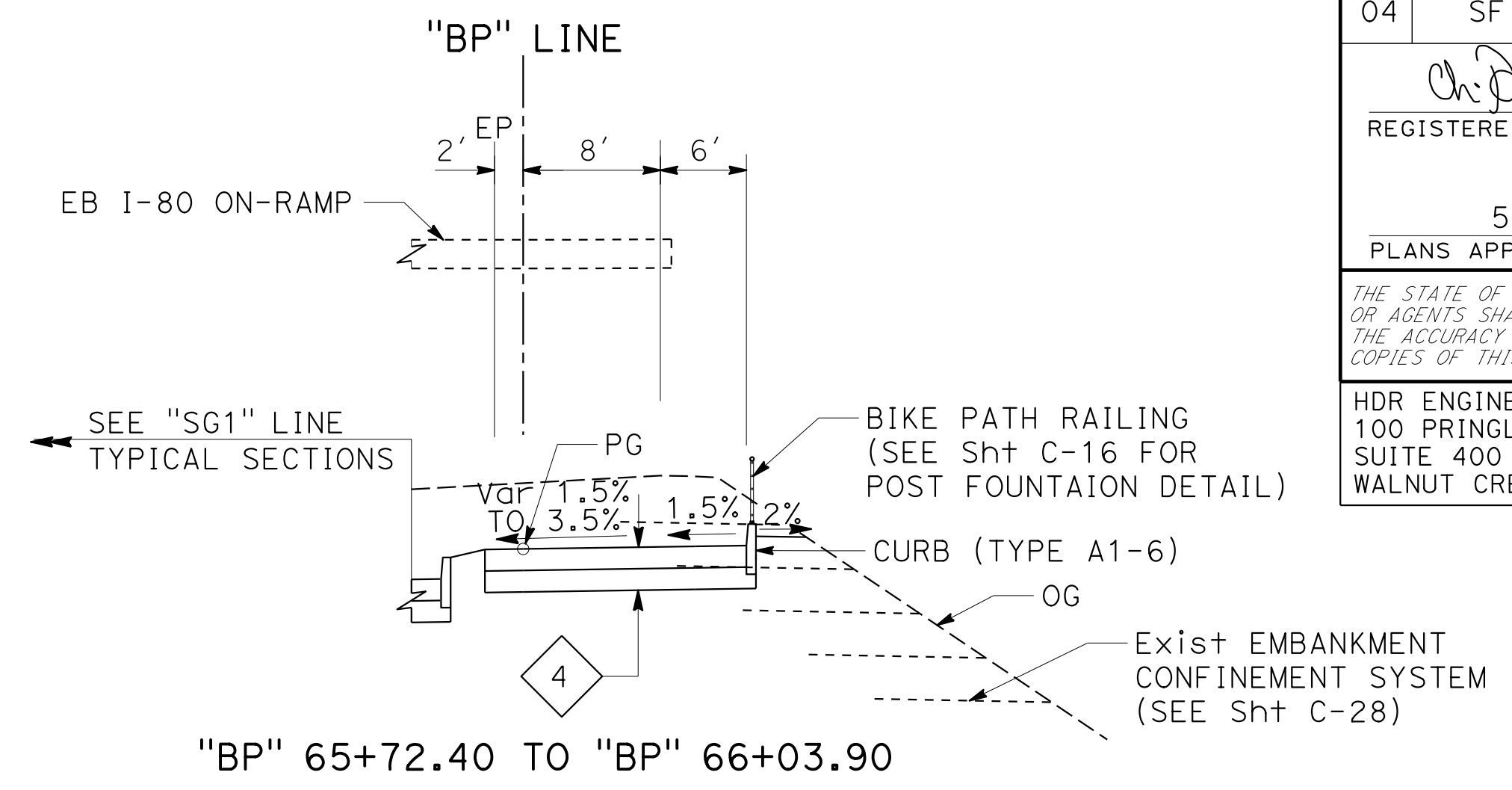
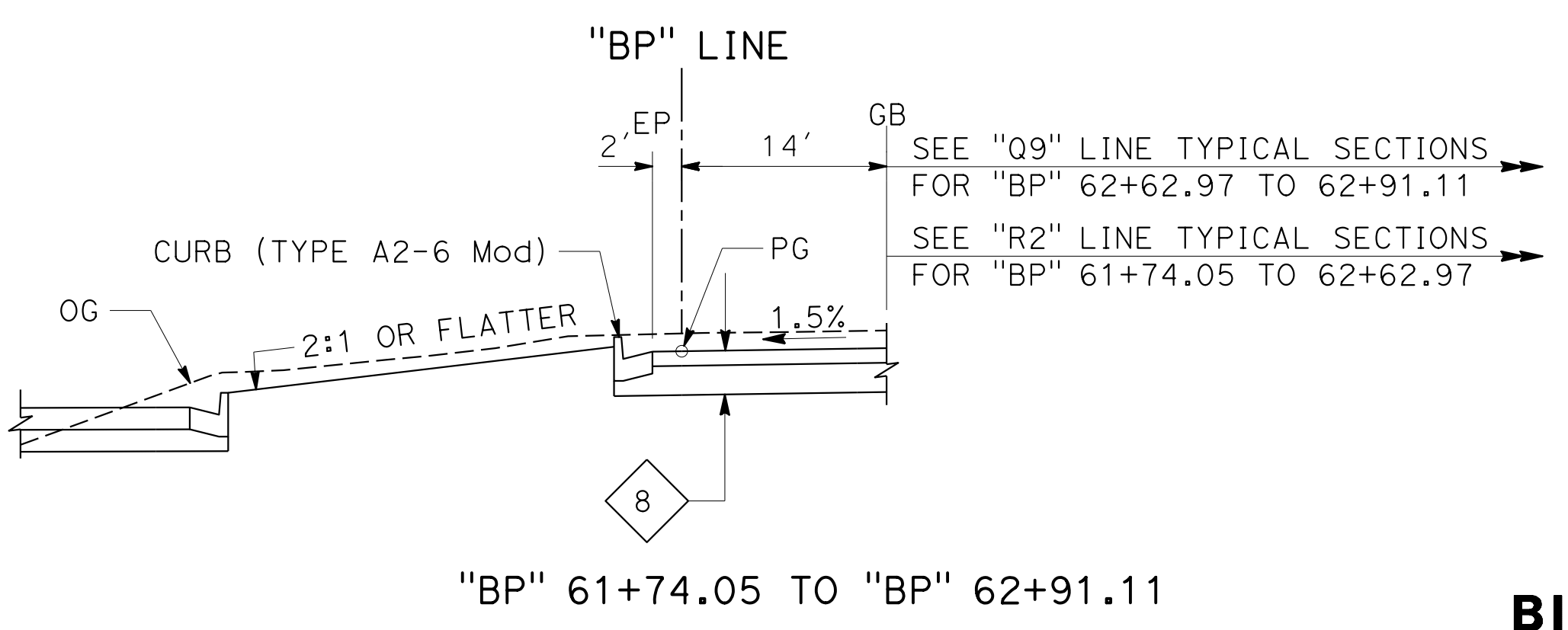
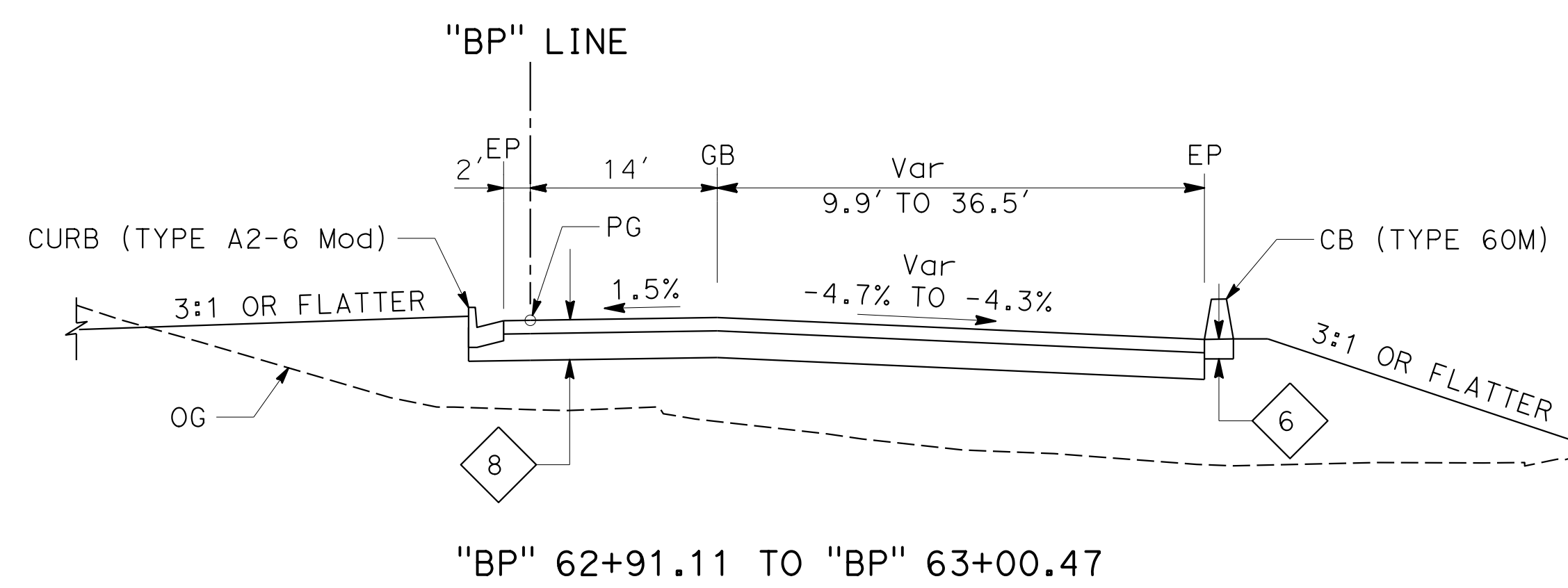
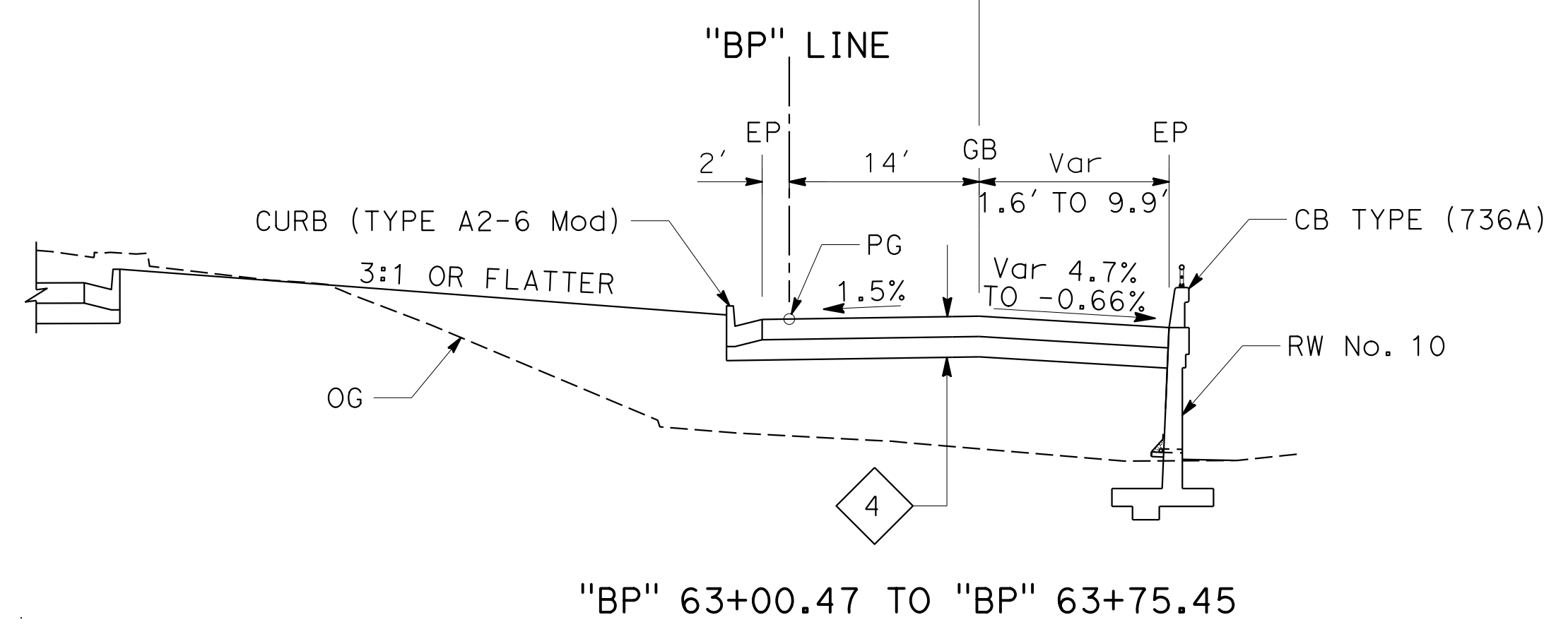
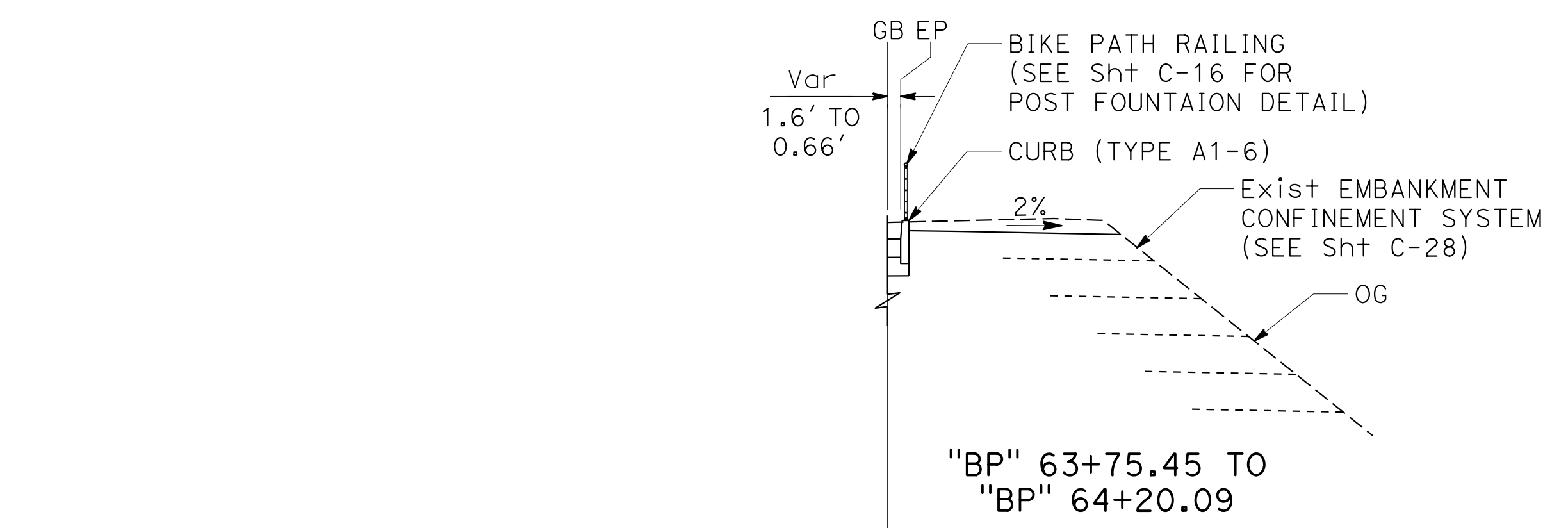
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT - PRAVEEN CHILAKAPATI  
 SUPERVISOR - INGRID V. SUPIT  
 DESIGNED BY - INGRID SUPIT  
 CHECKED BY -  
 REVISIONS:  
 TB 12-12-18  
 PC 4-26-18  
 REVISED BY  
 DATE REVISED



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED-DESIGNED BY: INGRID SUPIT  
 CHECKED BY:  
 REVISOR: PC: 4-26-18  
 DATE REVISED: 4-1-19  
 TP: 2-14-19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	11	436

REGISTERED CIVIL ENGINEER: *Praveen K. Chilakapati* DATE: 4-1-19  
 PLANS APPROVAL DATE: 5-17-19  
 REGISTERED PROFESSIONAL ENGINEER: PRAVEEN K. CHILAKAPATI No. C76058 Exp. 6-30-20 CIVIL STATE OF CALIFORNIA  
 HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596  
 SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103



**BIKE PATH**

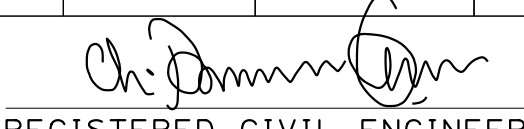
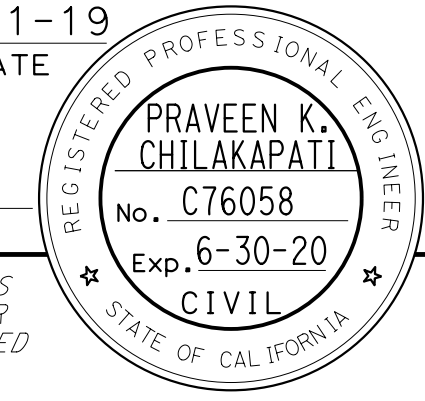
FOR NOTES AND ABBREVIATIONS, SEE X-1

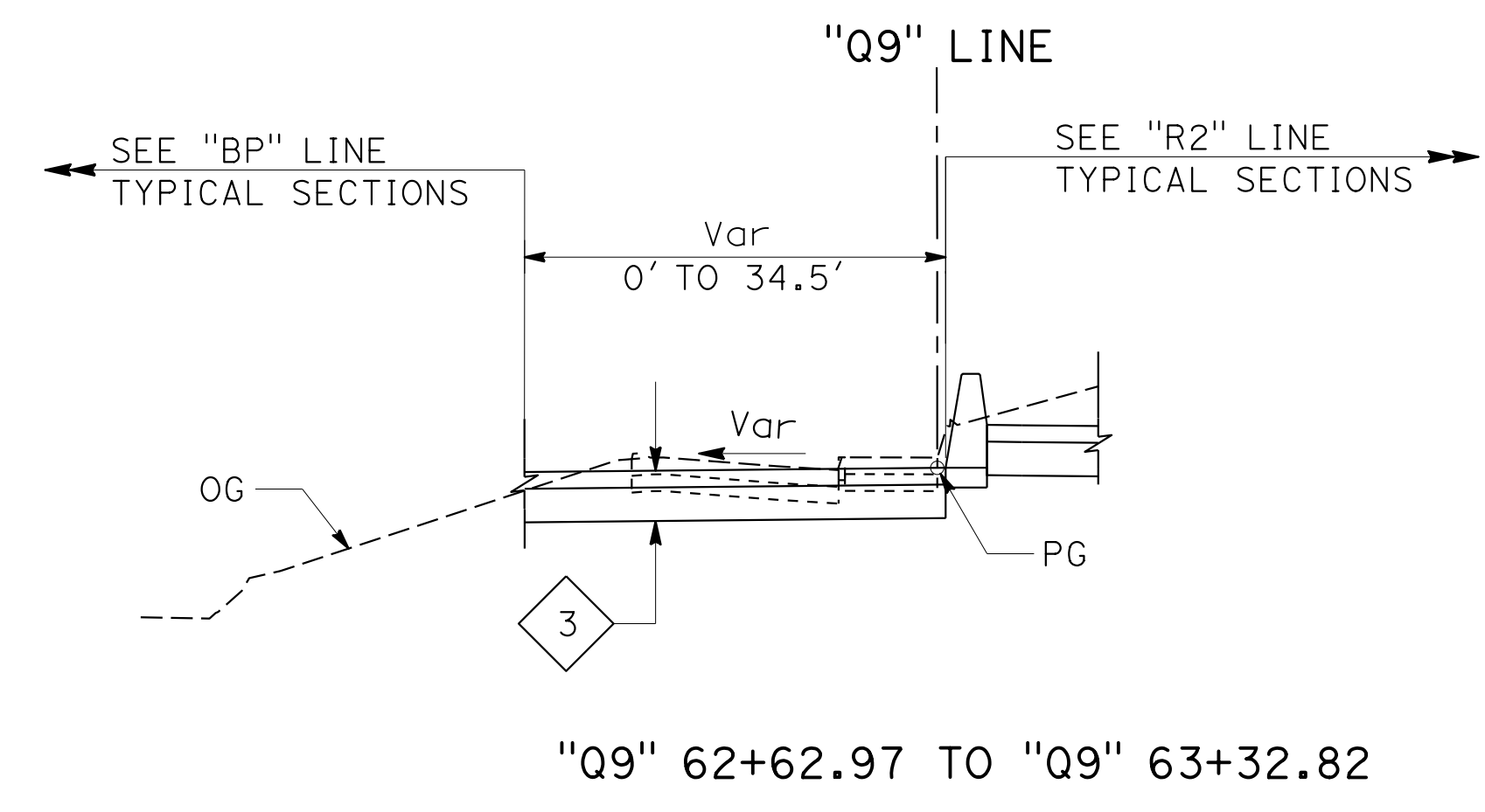
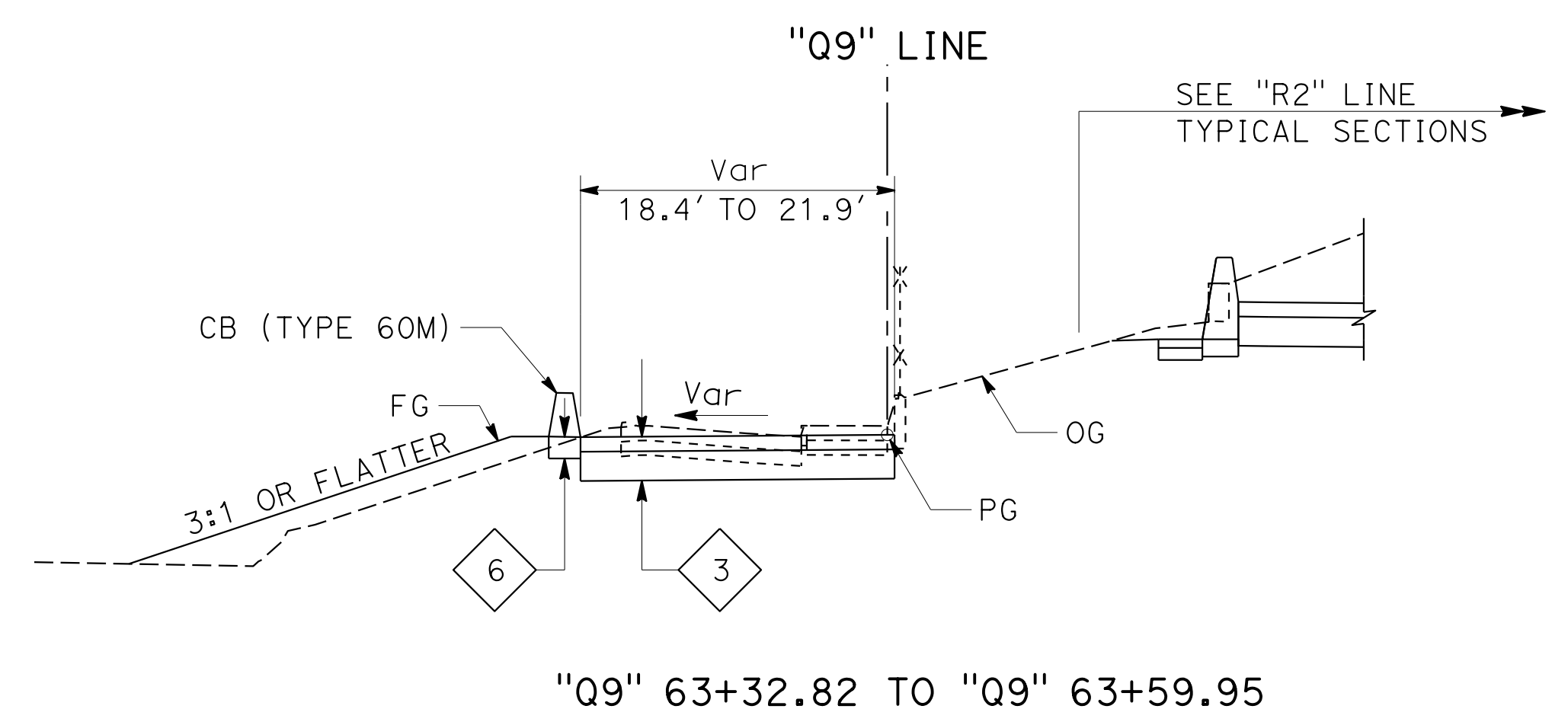
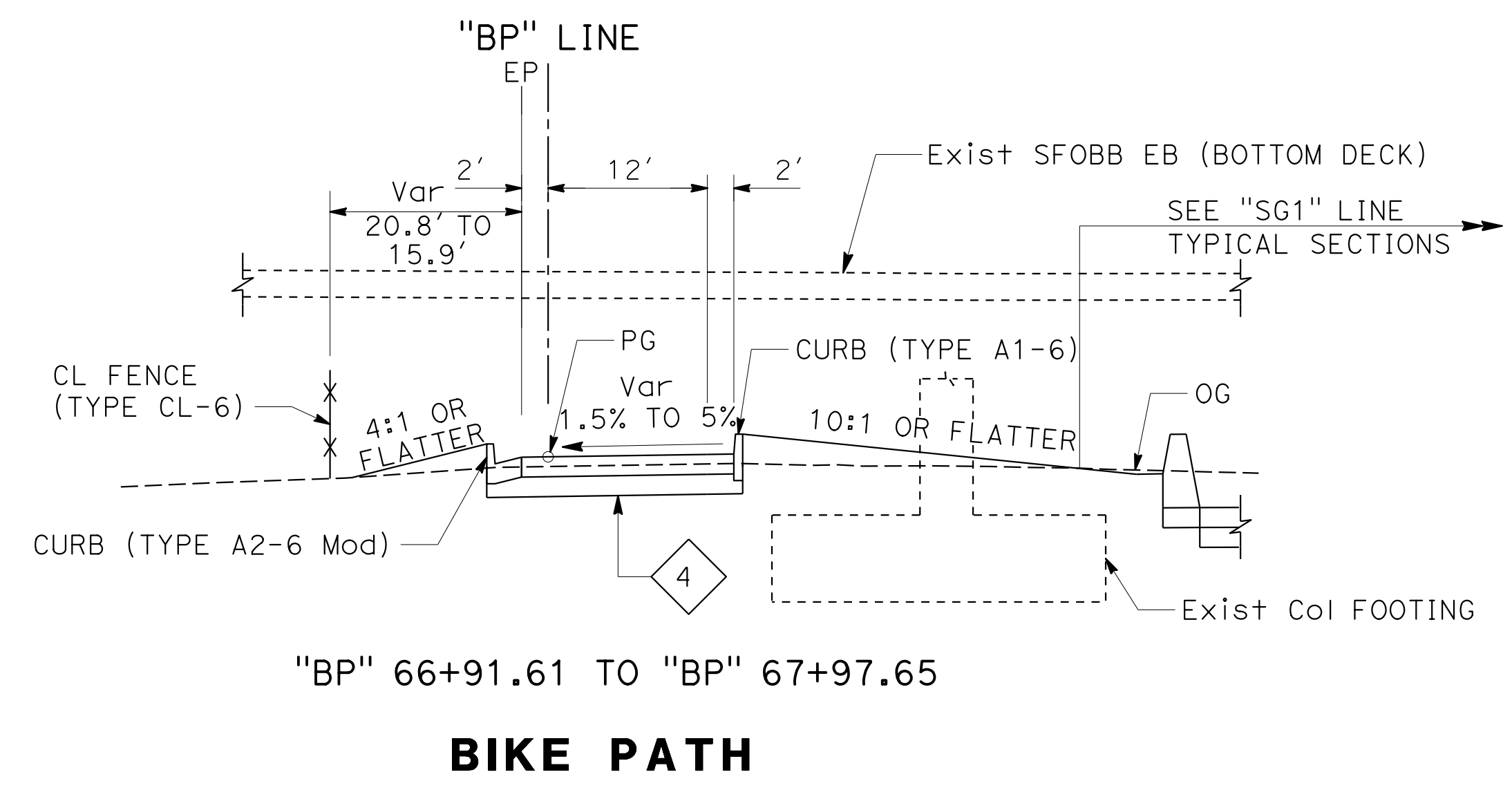
**TYPICAL CROSS SECTIONS**

NO SCALE

**X-10**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: INGRID SUPIT  
 CHECKED BY: INGRID SUPIT  
 REVISIONS: PC 4-26-18, TP 2-14-19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	12	436
 REGISTERED CIVIL ENGINEER			4-1-19	DATE	
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		

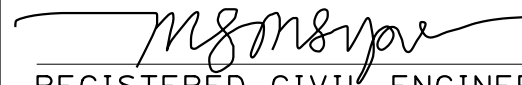
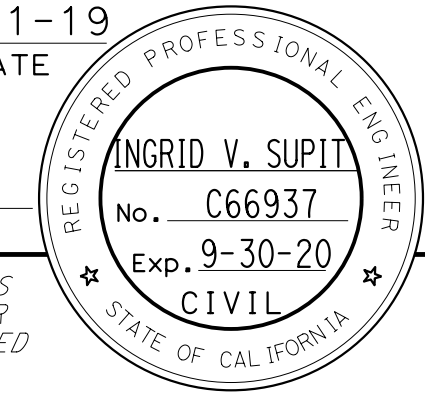


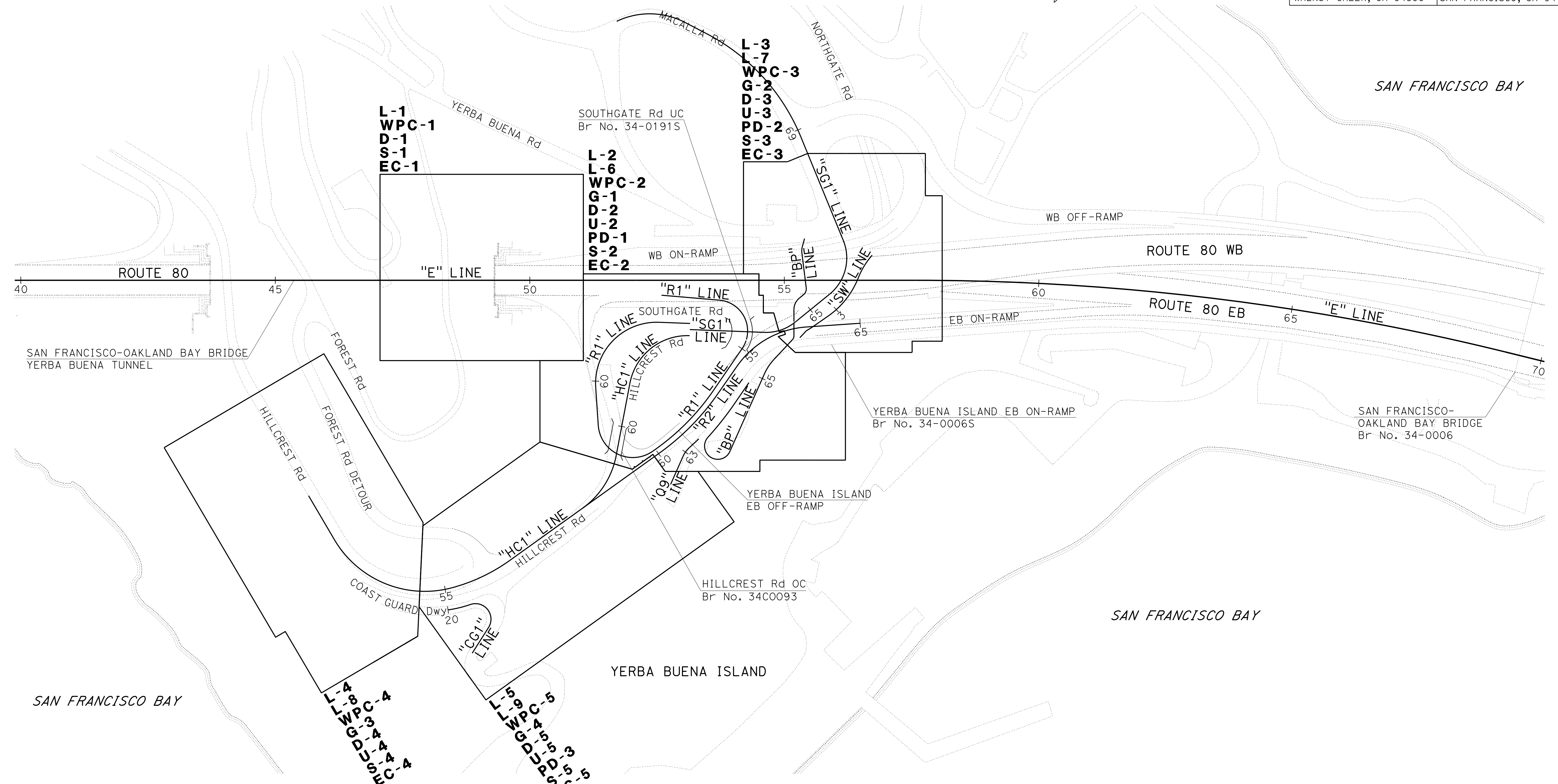
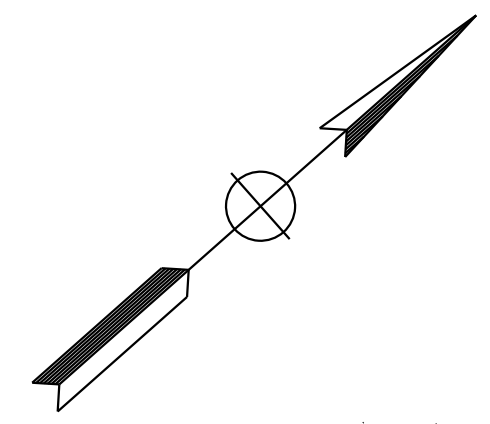
FOR NOTES AND ABBREVIATIONS,  
 SEE SHEET X-1


**TYPICAL CROSS SECTIONS**

NO SCALE

**X-11**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	13	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT - FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
	INGRID V. SUPIT	CHECKED BY	PRAVEEN CHILAKAPATI	4-24-18
			INGRID SUPIT	10-19-18

# KEY MAP AND LINE INDEX

NO SCALE

K-1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT SUPERVISOR: FRANK BORGES  
 CHECKED BY: JEREMIAH HERMAN  
 REVISIONS: TB 11-9-18, IK 4-24-18

**NOTES:**

- FOR COMPLETE PROJECT CONTROL DATA, SEE THE SURVEY RECORDS ON FILE IN THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE.
- BASIS OF BEARING AND COORDINATES:  
 THIS PROJECT IS BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (1992) 1991.35 EPOCH, ZONE 3, US SURVEY FEET. MULTIPLY DISTANCES SHOWN BY 1.00007026 TO OBTAIN GROUND DISTANCES.  
 THIS GPS STATIC SURVEY WAS CONSTRAINED TO THE FOLLOWING STATIONS: DPW6, MOLE, RECEIVE, SFO6, SFOBB1, SFOBB2 AND TIN3.
- BASIS OF ELEVATIONS:  
 THIS PROJECT IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).  
 STATIONS AND RESPECTIVE ELEVATIONS CONSTRAINED TO ARE:  
 MOLE 8.30'
- IF GPS MACHINE CONTROL/GUIDANCE IS USED, CONTACT THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE TO OBTAIN THE CONTROL NECESSARY TO ESTABLISH A PROJECT CALIBRATION COMPATIBLE FOR ALL USERS.

**LEGEND:**

△ RECORD HORIZONTAL AND VERTICAL CONTROL POINT

**CONTROL FOR DESIGN AND CONSTRUCTION**

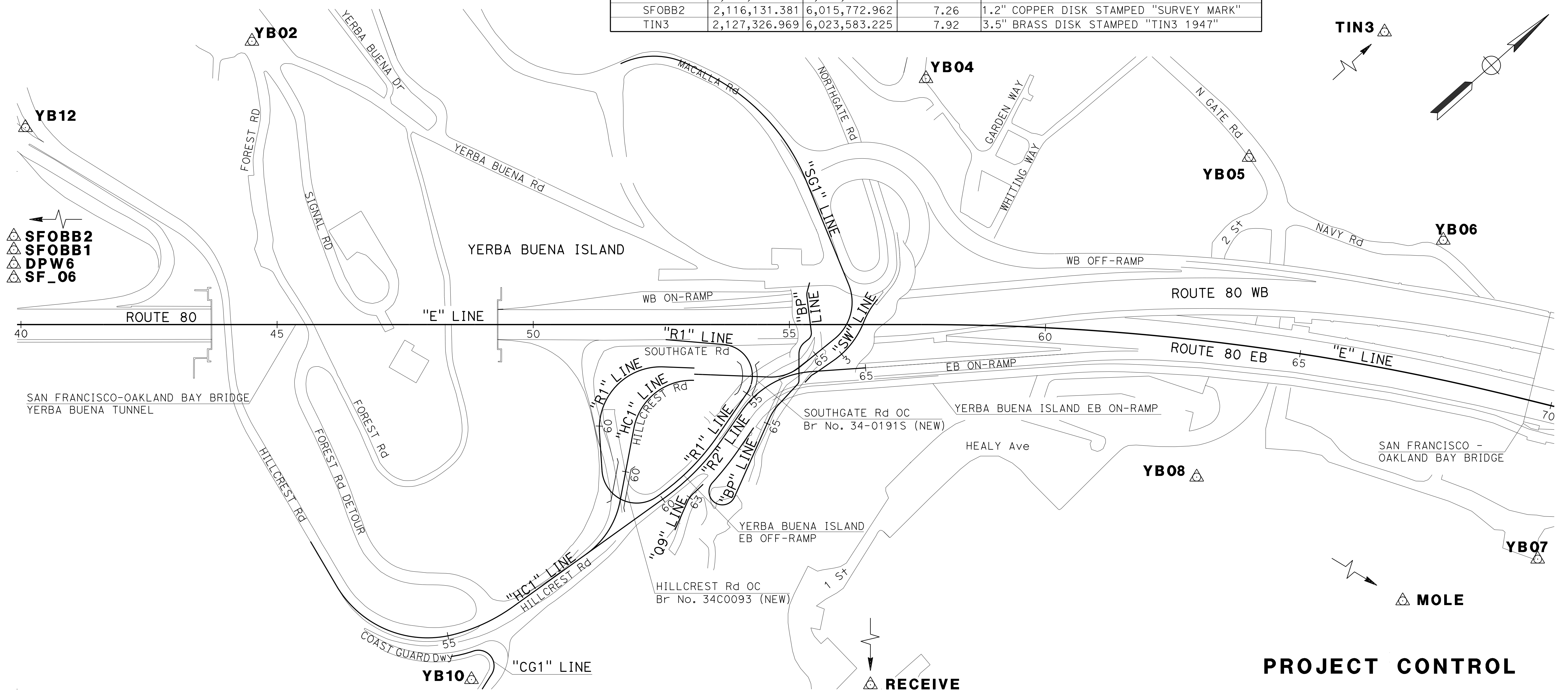
STATION DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
YB02	2,122,827.670	6,022,193.680	296.89	MAG NAIL WITH TOWILL TAG
YB04	2,123,764.640	6,023,120.450	85.54	MAG NAIL WITH TOWILL TAG
YB05	2,124,135.070	6,023,653.520	31.58	MAG NAIL WITH TOWILL TAG
YB06	2,124,311.780	6,024,025.780	61.97	REBAR WITH CAP
YB07	2,124,037.400	6,024,613.710	9.98	MAG NAIL WITH TOWILL TAG
YB08	2,123,645.010	6,024,052.760	8.48	REBAR WITH CAP
YB10	2,122,323.240	6,023,410.110	187.58	MAG NAIL WITH TOWILL TAG
YB12	2,122,384.930	6,022,026.690	191.68	MAG NAIL WITH TOWILL TAG
DPW6	2,116,586.574	6,015,333.927	6.74	2.6" BRASS DISK STAMPED "DPW BM-006"
MOLE	2,126,485.800	6,033,057.619	8.30	3.5" BRASS DISK STAMPED "MOLE 1947"
RECEIVE	2,122,822.828	6,024,020.646	9.30	3.5" BRASS DISK STAMPED "RECEIVE RESET 1970"
SF_06	2,111,375.475	6,012,570.846	18.04	1.2" BRASS DISK STAMPED "SF6"
SFOBB1	2,114,516.056	6,016,248.624	9.56	1.2" COPPER DISK STAMPED "SURVEY MARK"
SFOBB2	2,116,131.381	6,015,772.962	7.26	1.2" COPPER DISK STAMPED "SURVEY MARK"
TIN3	2,127,326.969	6,023,583.225	7.92	3.5" BRASS DISK STAMPED "TIN3 1947"

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	14	436

PROFESSIONAL LAND SURVEYOR: *Frank Borges* DATE: 4-1-19  
 PLANS APPROVAL DATE: 5-17-19  
 STATE OF CALIFORNIA PROFESSIONAL LAND SURVEYOR No. 7922 Exp. 12-31-19

TOWILL, INC  
 2300 CLAYTON ROAD  
 SUITE 1200  
 CONCORD, CA 94520

SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103



APPROVED FOR PROJECT CONTROL INFORMATION ONLY

**PROJECT CONTROL**  
 NO SCALE  
**PC-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT - FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: PRAVEEN CHILAKAPATI  
 CHECKED BY: CHI WAI NG  
 REVISOR: PRAVEEN CHILAKAPATI  
 DATE: 10-16-18  
 DATE: 3-26-18

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR PAVEMENT STRUCTURAL SECTIONS, SEE TYPICAL CROSS SECTION SHEETS.
- FOR REMOVAL ITEMS, SEE LAYOUT DEMOLITION PLANS.
- "Q9", "BP", "SW", AND "CG1" ALIGNMENT DATA NOT SHOWN FOR CLARITY. SEE CONSTRUCTION DETAIL SHEETS C-1, C-2, C-3, AND C-27.
- FOR SAWCUT LINE DATA SEE LAYOUT DEMOLITION SHEETS FROM L-6 TO L-9.
- SEE PROJECT CONTROL SHEET PC-1 FOR THE BASIS OF THE HORIZONTAL CONTROLS.
- DO NOT REMOVE Temp SHORING AS SHOWN IN SHEET L-7 UNTIL RETAINING WALL No.3 IS CONSTRUCTED.

**ABBREVIATIONS:**

- C&G CURB AND GUTTER  
 DWP DETECTABLE WARNING PANEL

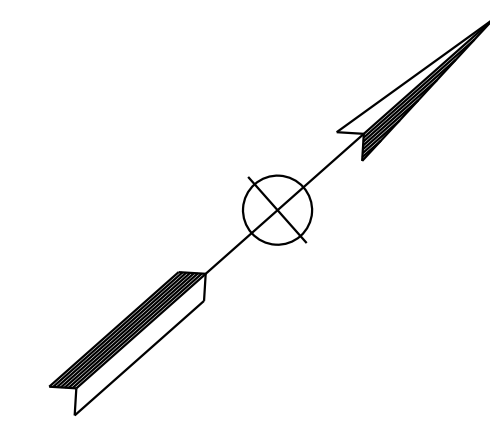
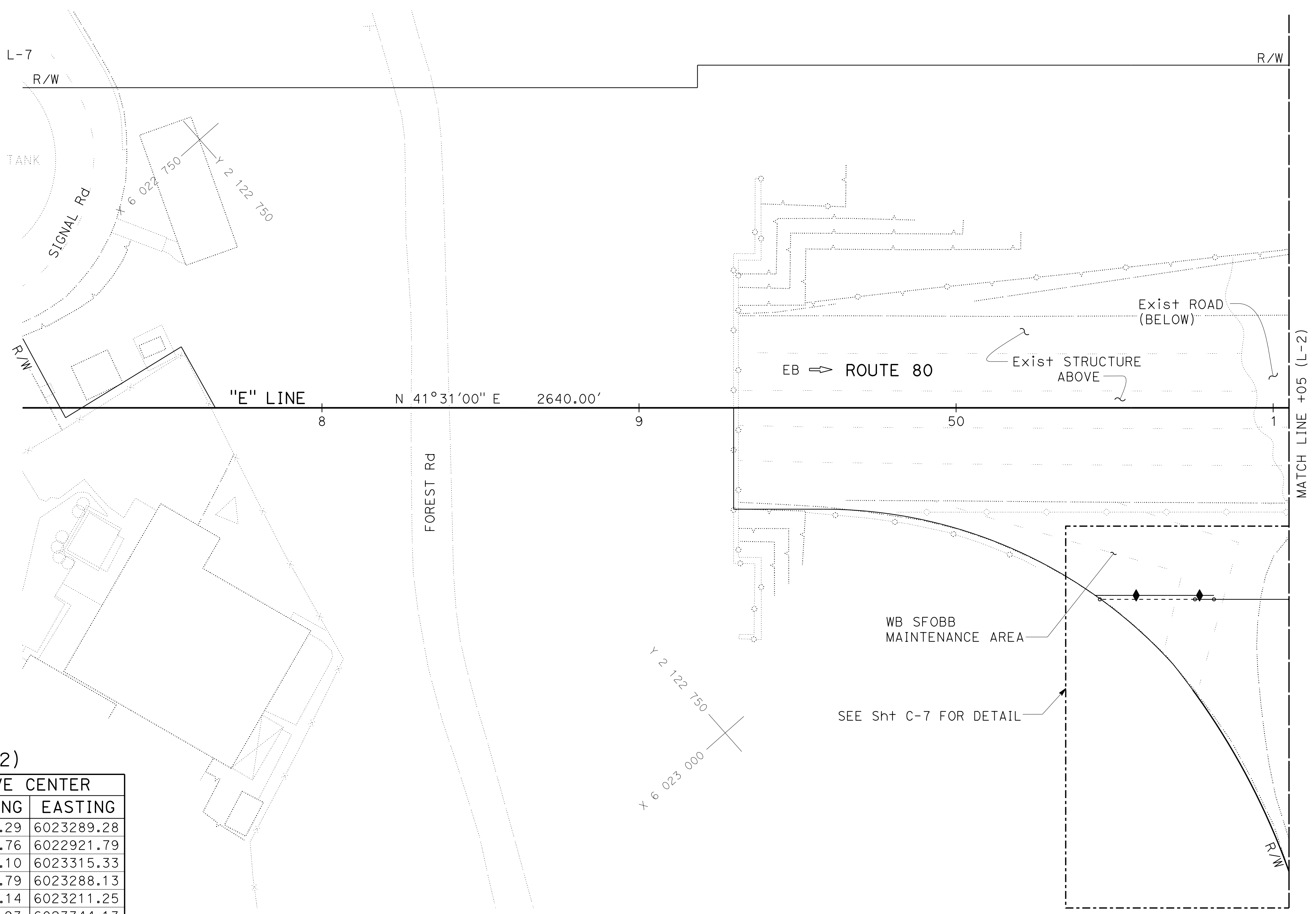
**LEGEND:**

- NEW PAVEMENT STRUCTURAL SECTION
- SAWCUT
- COLD PLANE AND OVERLAY 5
- COLD PLANE AND OVERLAY (SEE CONSTRUCTION DETAIL SHEET C-11 FOR DETAILS)
- SLOPE PAVING (SEE CONSTRUCTION DETAIL SHEET C-26 FOR DETAILS)
- CONCRETE SLAB (SEE CONSTRUCTION DETAIL SHEET C-23 FOR DETAILS)
- DECOMPOSED GRANITE (SEE CONSTRUCTION DETAIL Sht C-9)
- REMOVE RETAINING WALL
- REMOVE PILES (SEE CONSTRUCTION DETAIL SHEETS C-32 TO C-34 FOR DETAILS)
- CLEARING AND GRUBBING LIMIT

**CURVE DATA (FROM SHEET L-2)**

No. (#)	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
1	60.78'	119°32'34"	104.31'	126.81'	2123081.29	6023289.28
2	464.54'	21°07'12"	86.60'	171.23'	2122886.76	6022921.79
3	68'	120°37'22"	119.27'	143.16'	2122838.10	6023315.33
4	120'	96°00'33"	133.30'	201.08'	2122924.79	6023288.13
7	165'	43°35'04"	65.97'	125.51'	2122670.14	6023211.25
8	115'	81°24'47"	98.94'	163.41'	2122955.93	6023344.13
9	91'	41°14'23"	34.24'	65.50'	2123212.37	6023287.59
11	480'	19°28'36"	82.38'	163.17'	2122887.37	6022916.86
12	181'	51°11'33"	86.71'	161.72'	2123107.88	6023543.55

**SAN FRANCISCO**



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	15	436

REGISTERED CIVIL ENGINEER: *Praveen K. Chilakapati*  
 DATE: 4-1-19  
 PLANS APPROVAL DATE: 5-17-19

**PRAVEEN K. CHILAKAPATI**  
 No. C76058  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

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

HDR ENGINEERING, INC.  
 100 PRINGLE AVENUE,  
 SUITE 400  
 WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103

**LAYOUT**

SCALE: 1" = 20'

**L-1**

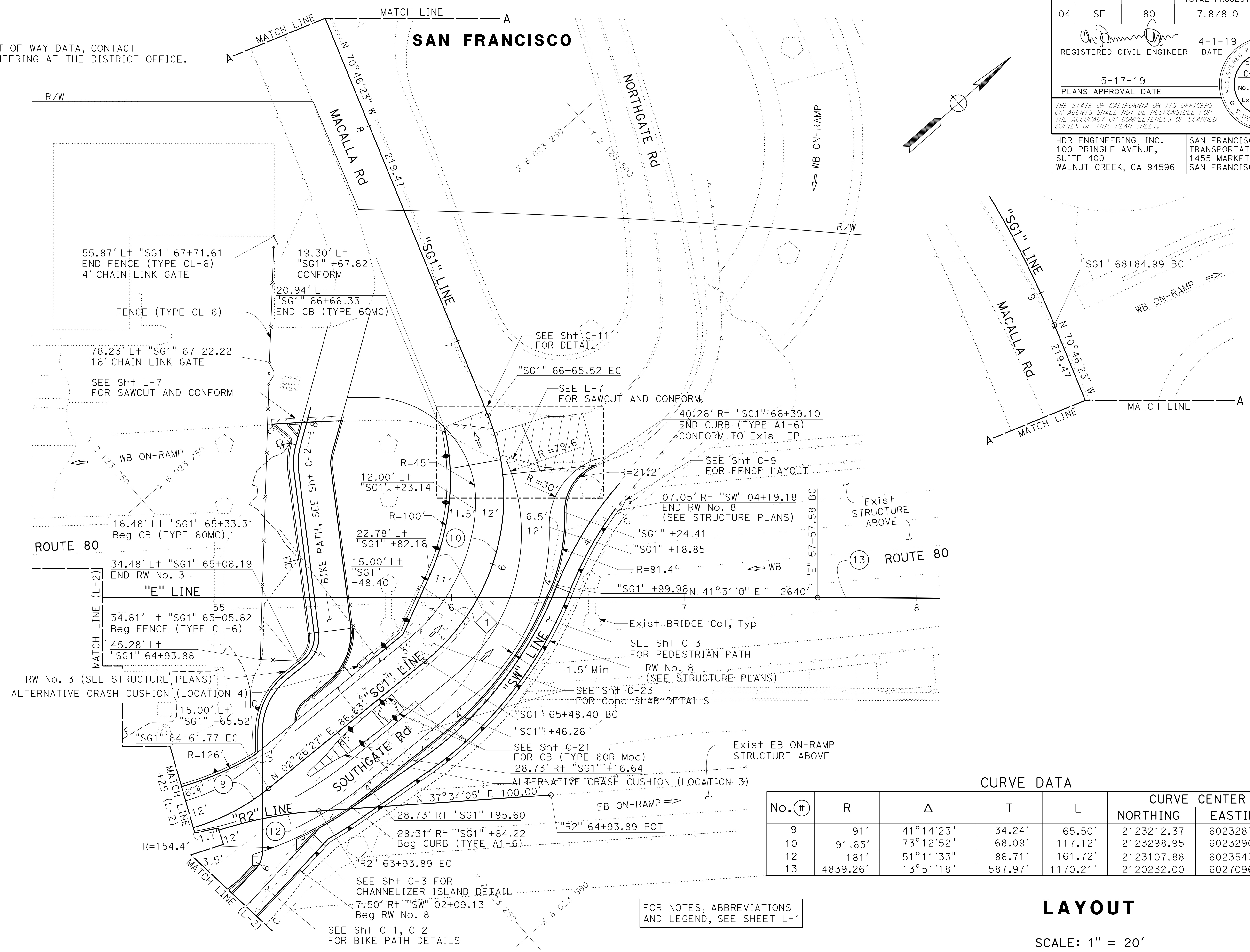






STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT - FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: PRAVEEN CHILAKAPATI  
 CHECKED BY: CHI WAI NG  
 REVISED BY: DATE REVISION: 4-20-18  
 TB: 11-29-18  
 TP: 4-1-19

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



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	17	436

REGISTERED CIVIL ENGINEER: PRAVEEN K. CHILAKAPATI  
 No. C76058  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

DATE: 4-1-19  
 PLANS APPROVAL DATE: 5-17-19

HDR ENGINEERING, INC.  
 100 PRINGLE AVENUE,  
 SUITE 400  
 WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY  
 TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103

**CURVE DATA**

No. (#)	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
9	91'	41°14'23"	34.24'	65.50'	2123212.37	6023287.59
10	91.65'	73°12'52"	68.09'	117.12'	2123298.95	6023290.63
12	181'	51°11'33"	86.71'	161.72'	2123107.88	6023543.55
13	4839.26'	13°51'18"	587.97'	1170.21'	2120232.00	6027096.98

FOR NOTES, ABBREVIATIONS  
 AND LEGEND, SEE SHEET L-1

**LAYOUT**

SCALE: 1" = 20'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	18	436

REGISTERED CIVIL ENGINEER: *Praveen K. Chilakapati*  
 DATE: 4-1-19  
 PLANS APPROVAL DATE: 5-17-19

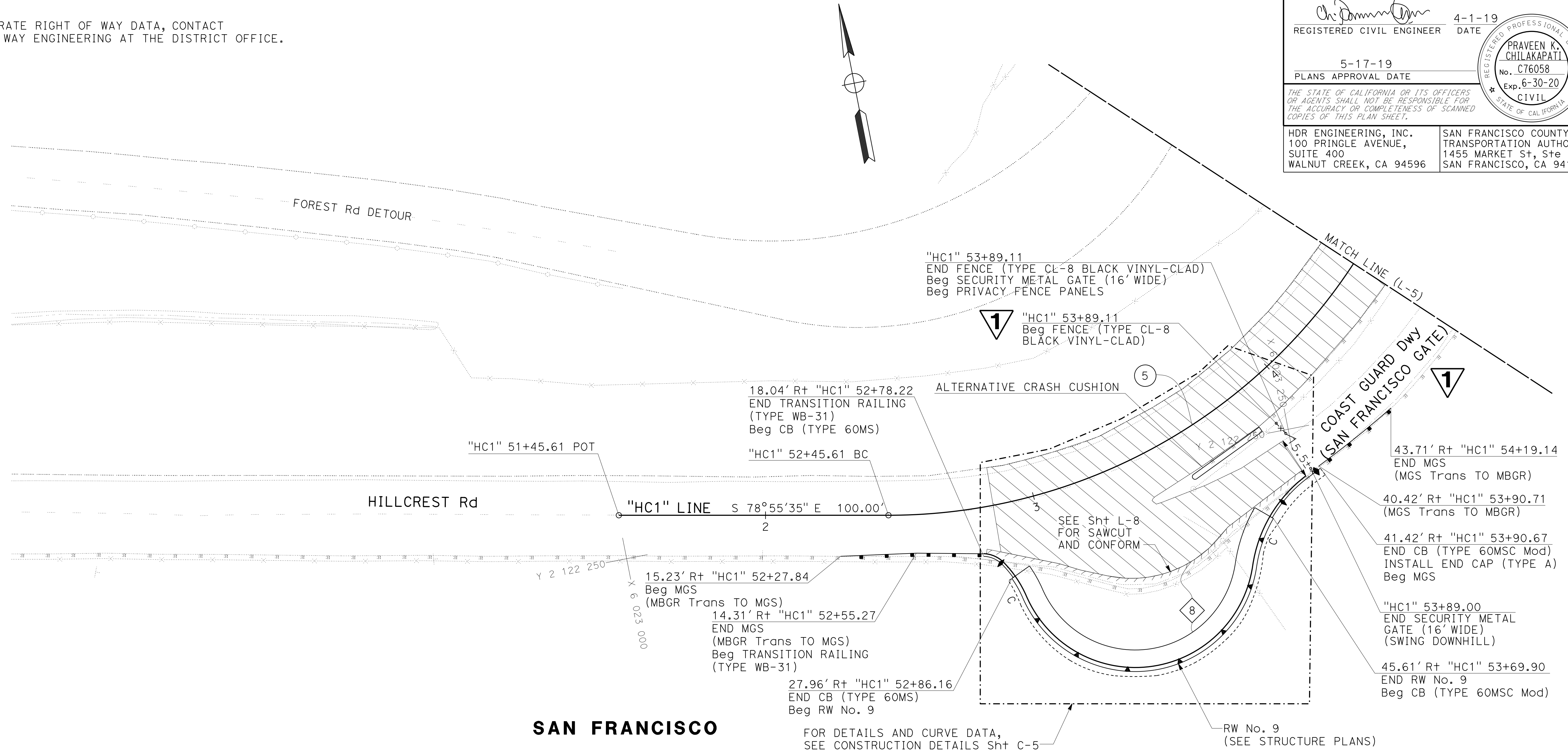
REGISTERED PROFESSIONAL ENGINEER  
 PRAVEEN K. CHILAKAPATI  
 No. C76058  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

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

HDR ENGINEERING, INC.  
 100 PRINGLE AVENUE, SUITE 400  
 WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103

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



**CURVE DATA**

No. #	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
5	206'	74°25'08"	156.42'	267.56'	2122449.33	6023137.96

**1** REPLACED PER ADDENDUM No. 1 DATED DECEMBER 20, 2019

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

**LAYOUT**

SCALE: 1" = 20'


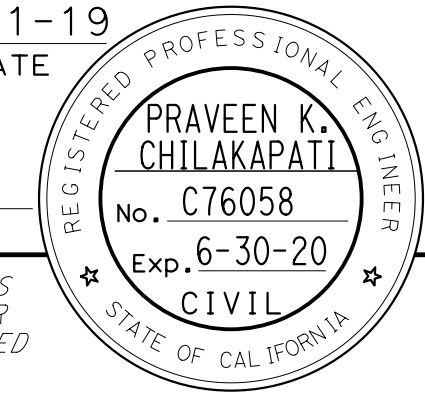
**L-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
*Caltrans*  
 CONSULTANT: FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: CHI WAI NG  
 CHECKED BY: PRAVEEN CHILAKAPATI  
 REVISOR: CHI WAI NG  
 DATE REVISED: 4-25-18  
 IK: 4-25-18  
 TP: 2-10-19

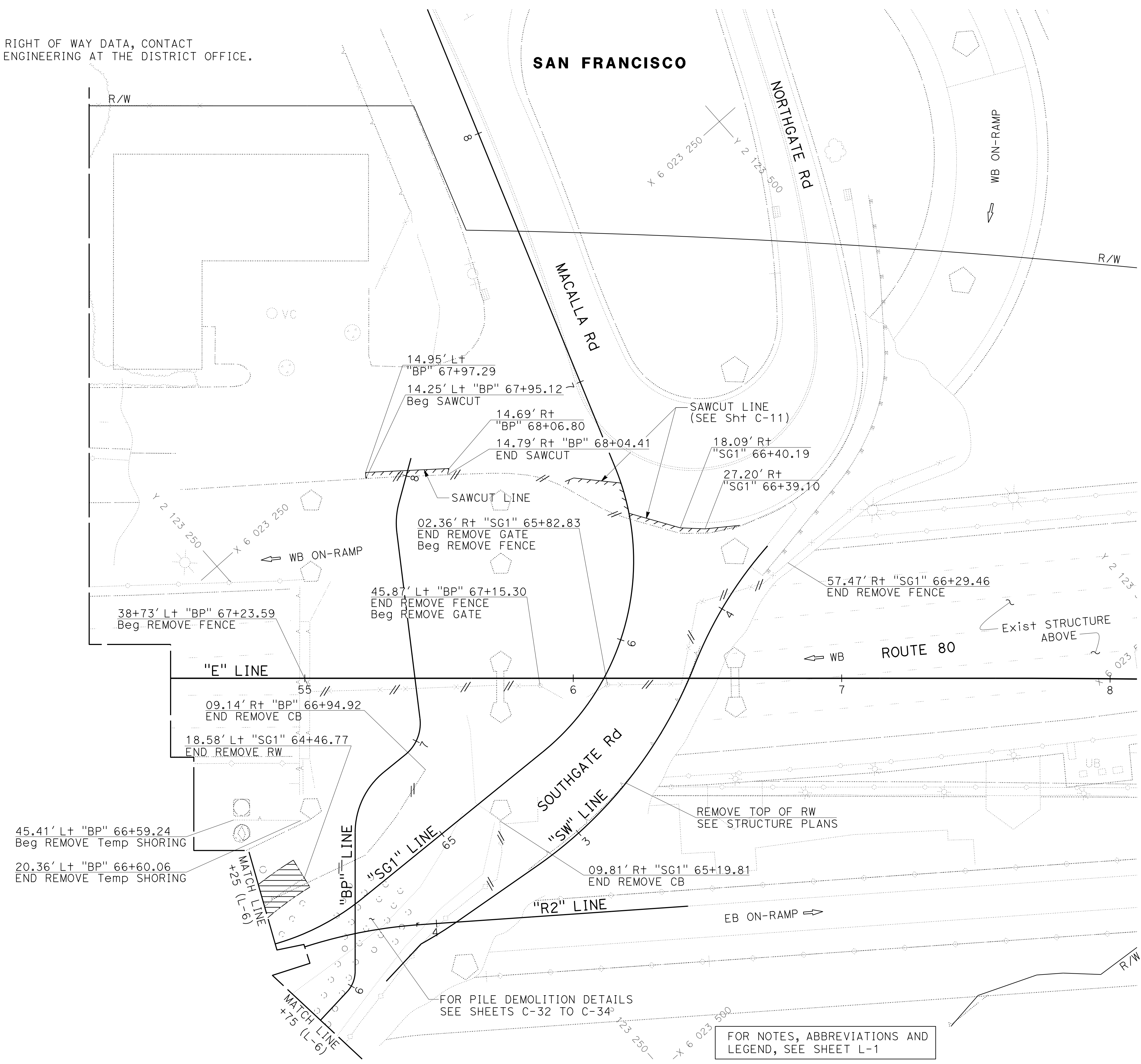






Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	21	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		


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



FOR NOTES, ABBREVIATIONS AND  
 LEGEND, SEE SHEET L-1

**LAYOUT  
 DEMOLITION**  
 SCALE: 1" = 20'

**L-7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT - FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR	DATE
	INGRID V. SUPIT	CHI WAI NG	IK	10-12-18
			IK	3-6-18
			REVISOR	DATE
			REVISOR	DATE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT - FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 PRAVEEN CHILAKAPATI CHI WAI NG  
 REVISED BY: DATE REVISED:  
 TB: 8-3-18  
 IK: 10-12-18

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

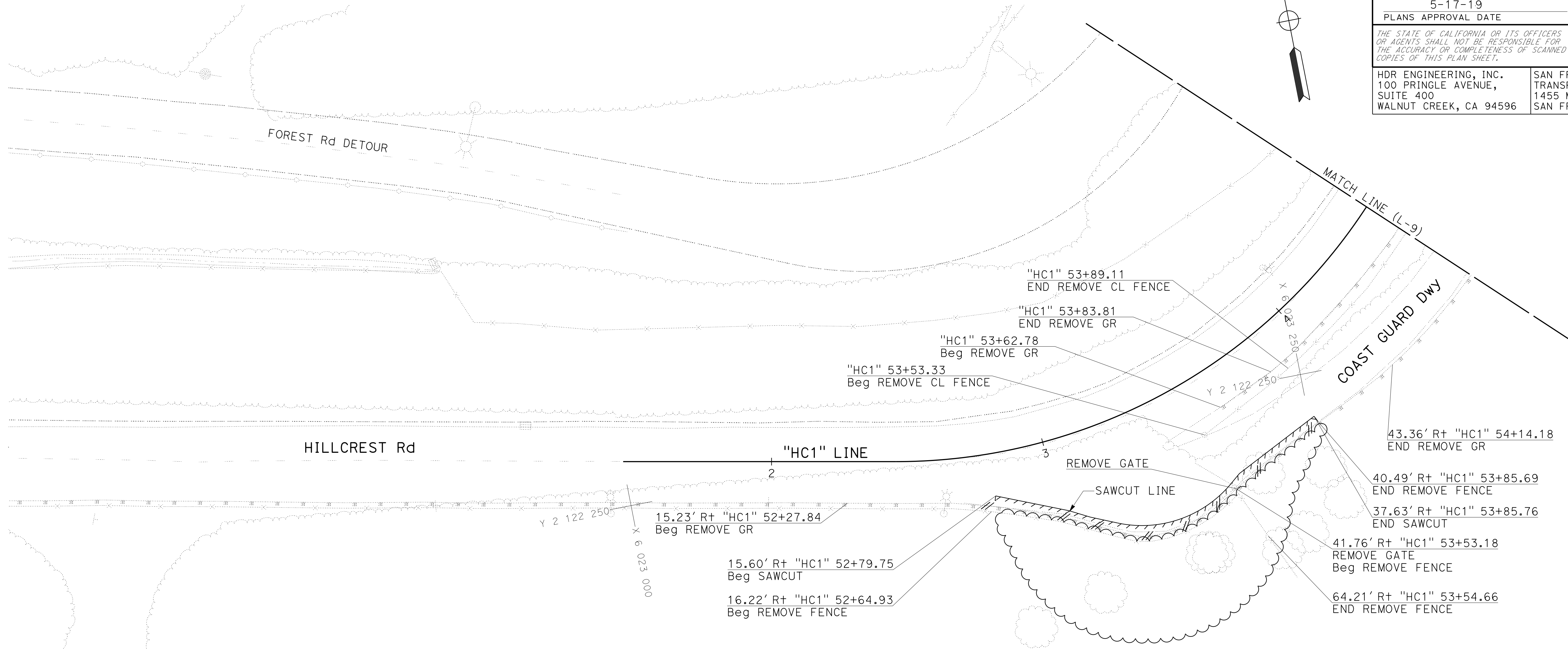
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	22	436

REGISTERED CIVIL ENGINEER: *Praveen K. Chilakapati* DATE: 4-1-19  
 PLANS APPROVAL DATE: 5-17-19

REGISTERED PROFESSIONAL ENGINEER  
 PRAVEEN K. CHILAKAPATI  
 No. C76058  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

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

HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596  
 SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

**LAYOUT DEMOLITION**  
 SCALE: 1" = 20'

**L-8**

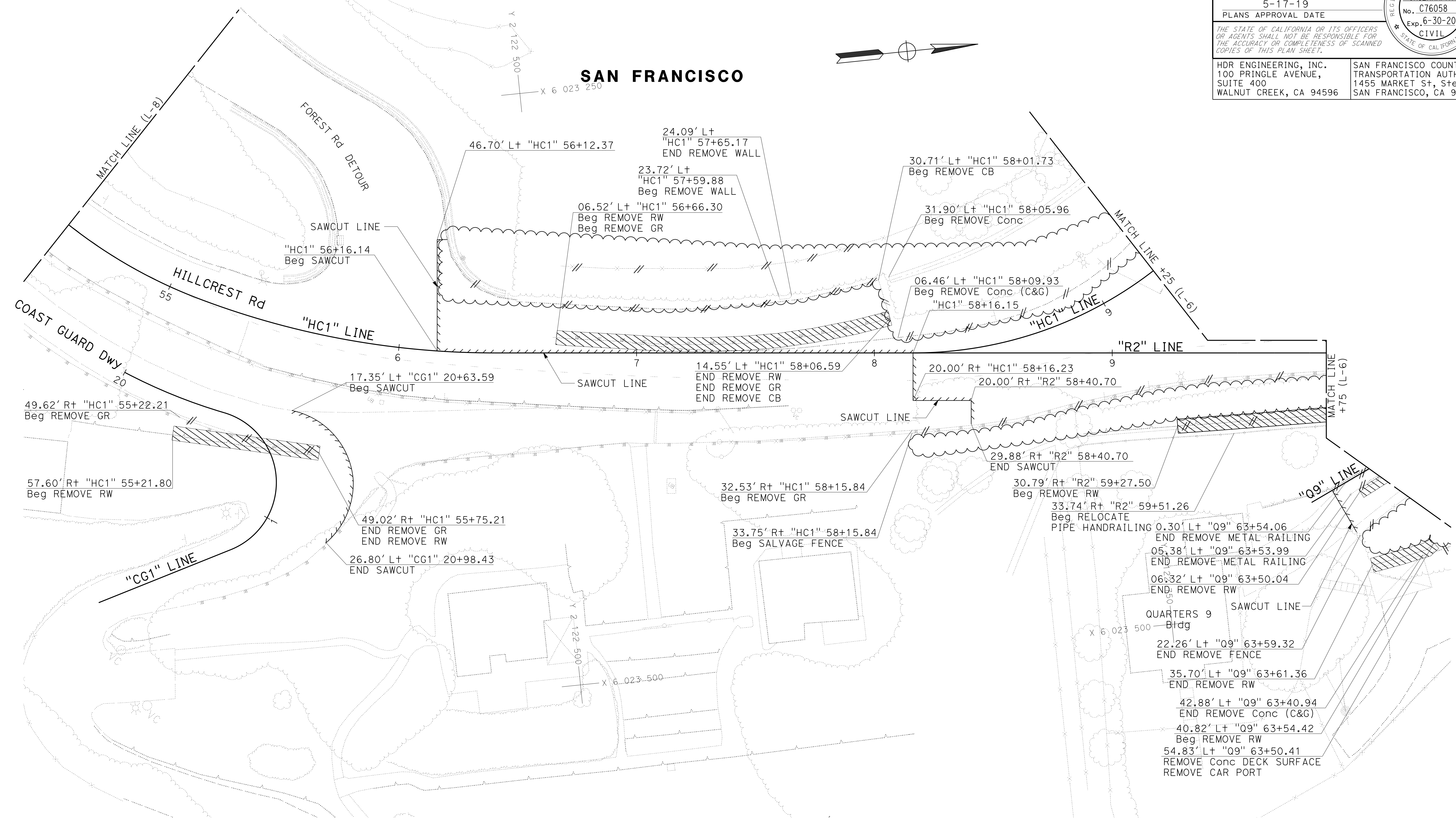
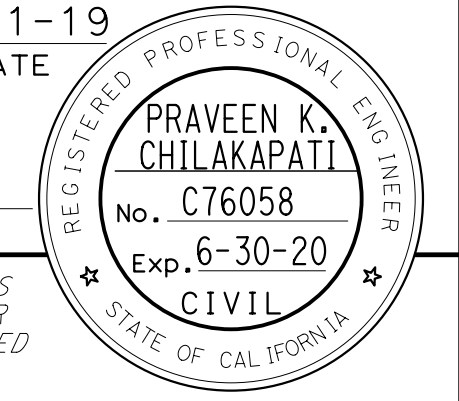
LAST REVISION: DATE PLOTTED => 07-NOV-2019 00-00-00 TIME PLOTTED => 14:09



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT - FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE	TP
<b>Caltrans</b>	INGRID V. SUPIT	PRAVEEN CHILAKAPATI	CHI WAI WING	3-5-18	2-12-19
		CHECKED BY	DATE REVISED		

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


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	23	436
			REGISTERED CIVIL ENGINEER	DATE	
			5-17-19		
			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>					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		




FOR NOTES, ABBREVIATIONS  
AND LEGEND, SEE SHEET L-1

**LAYOUT  
DEMOLITION**  
SCALE: 1" = 20'

**L-9**

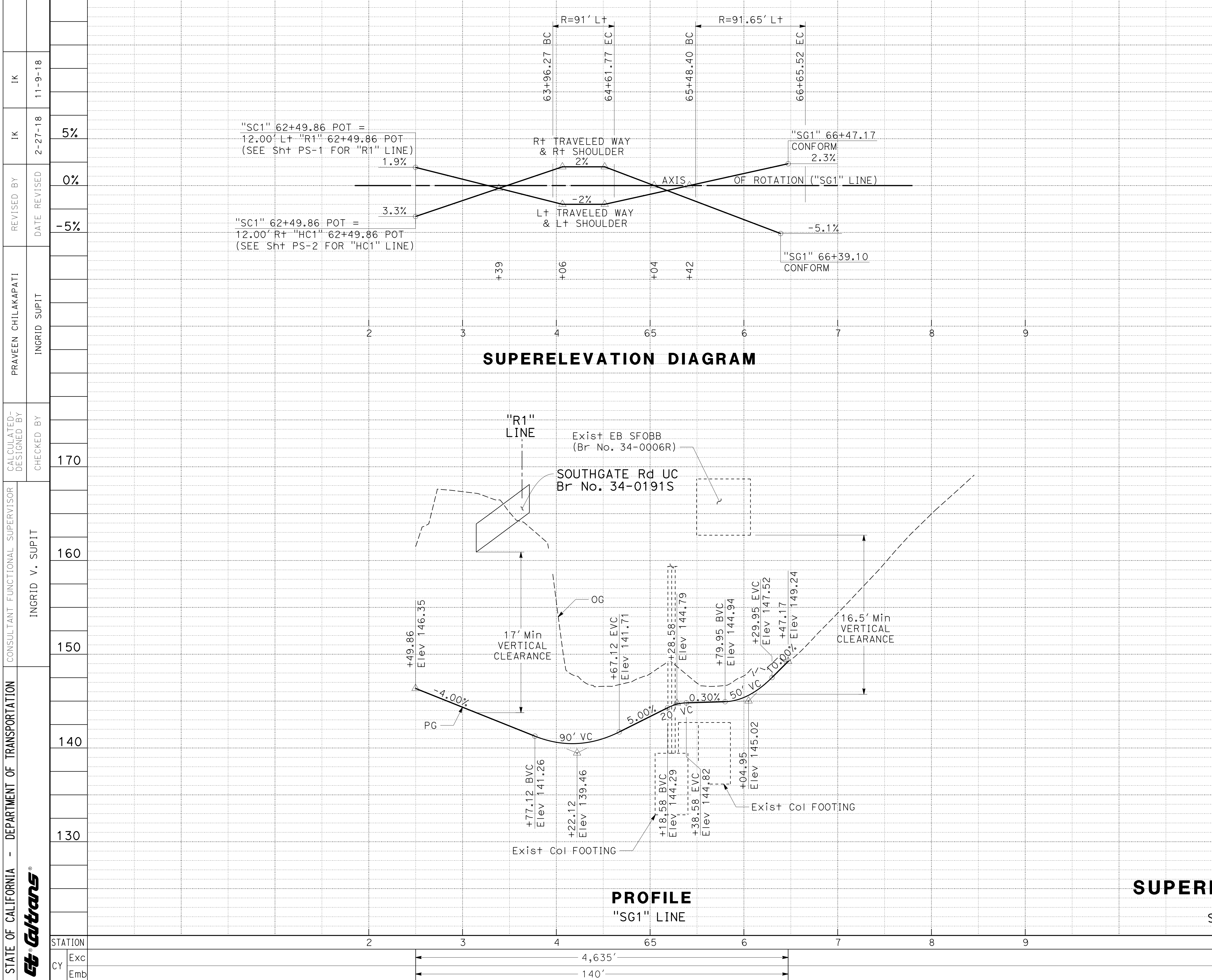
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	24	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		


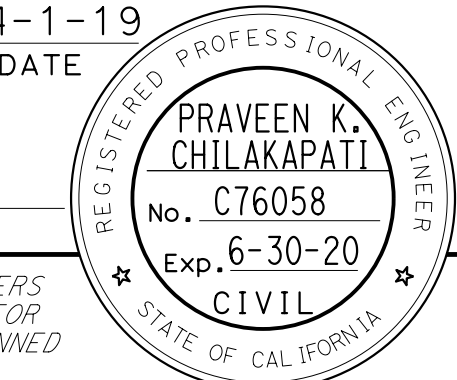
**LEGEND:**  
SFOBB SAN FRANCISCO OAKLAND BAY BRIDGE


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR	DATE	REVISION
	INGRID V. SUPIT	PRAVEEN CHILAKAPATI	INGRID SUPIT	10%
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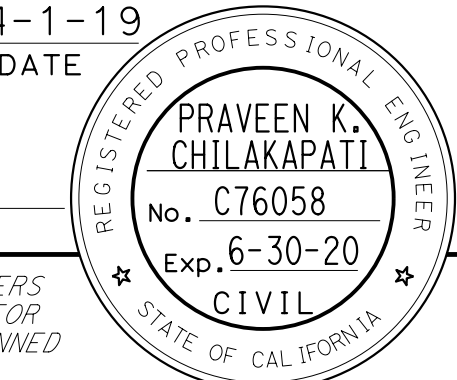
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	26	436
 REGISTERED CIVIL ENGINEER			DATE 4-1-19		
PLANS APPROVAL DATE 5-17-19					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.			5%		
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		
0%			-5%		

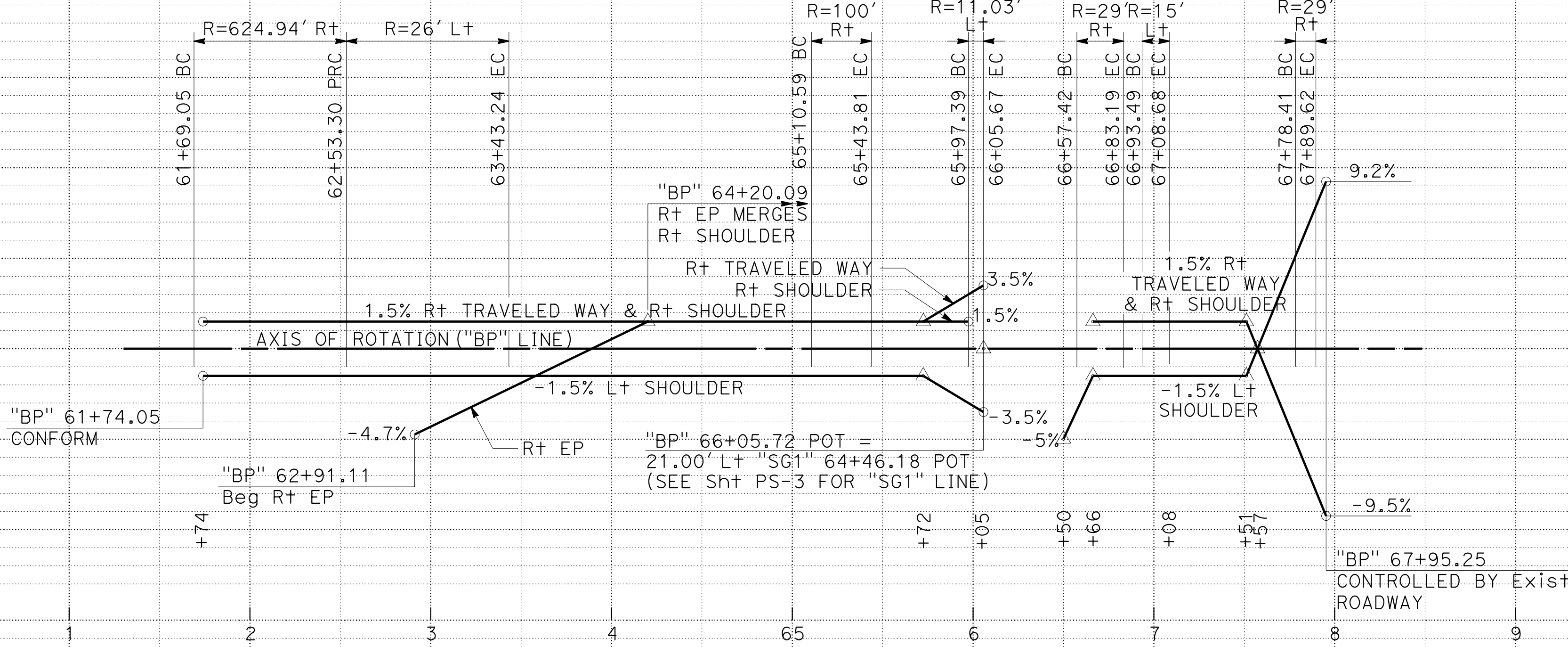
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION 	CONSULTANT - FUNCTIONAL SUPERVISOR	INGRID V. SUPIT	170	160	150	140	130	TOTAL
	CHECKED BY	INGRID SUPIT	170	160	150	140	130	
CALCULATED-DESIGNED BY	INGRID SUPIT	170	160	150	140	130		
REVISOR	DATE	REVISION	5%	0%	-5%			
IK	DATE	REVISION	11-9-18	2-27-18				

**PROFILE AND SUPERELEVATION DIAGRAM**  
 SCALE: Horiz 1" = 50'  
 Vert 1" = 5'  
**PS-3**

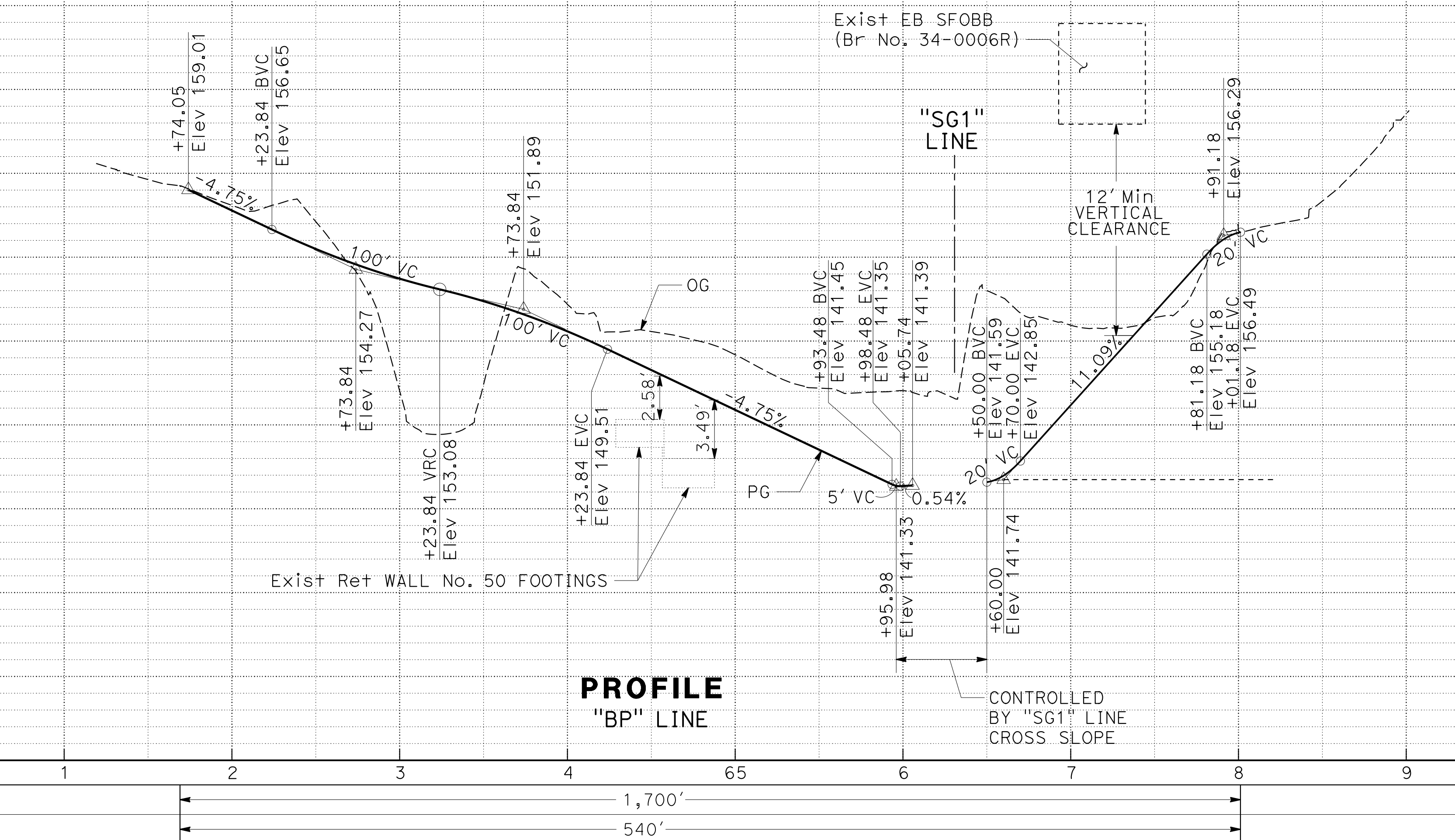


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION <b>Caltrans</b>	CONSULTANT - FUNCTIONAL SUPERVISOR	INGRID V. SUPIT	170
	CONSULTANT - SUPERVISOR	INGRID V. SUPIT	160
DESIGNED BY	CHECKED BY		150
PRAVEEN CHILAKAPATI	INGRID SUPIT		140
REVISOR	DATE REVISED		130
IK	2-27-18		
IK	10-10-18		
STATION			
CY	Exc		
	Emb		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	28	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		



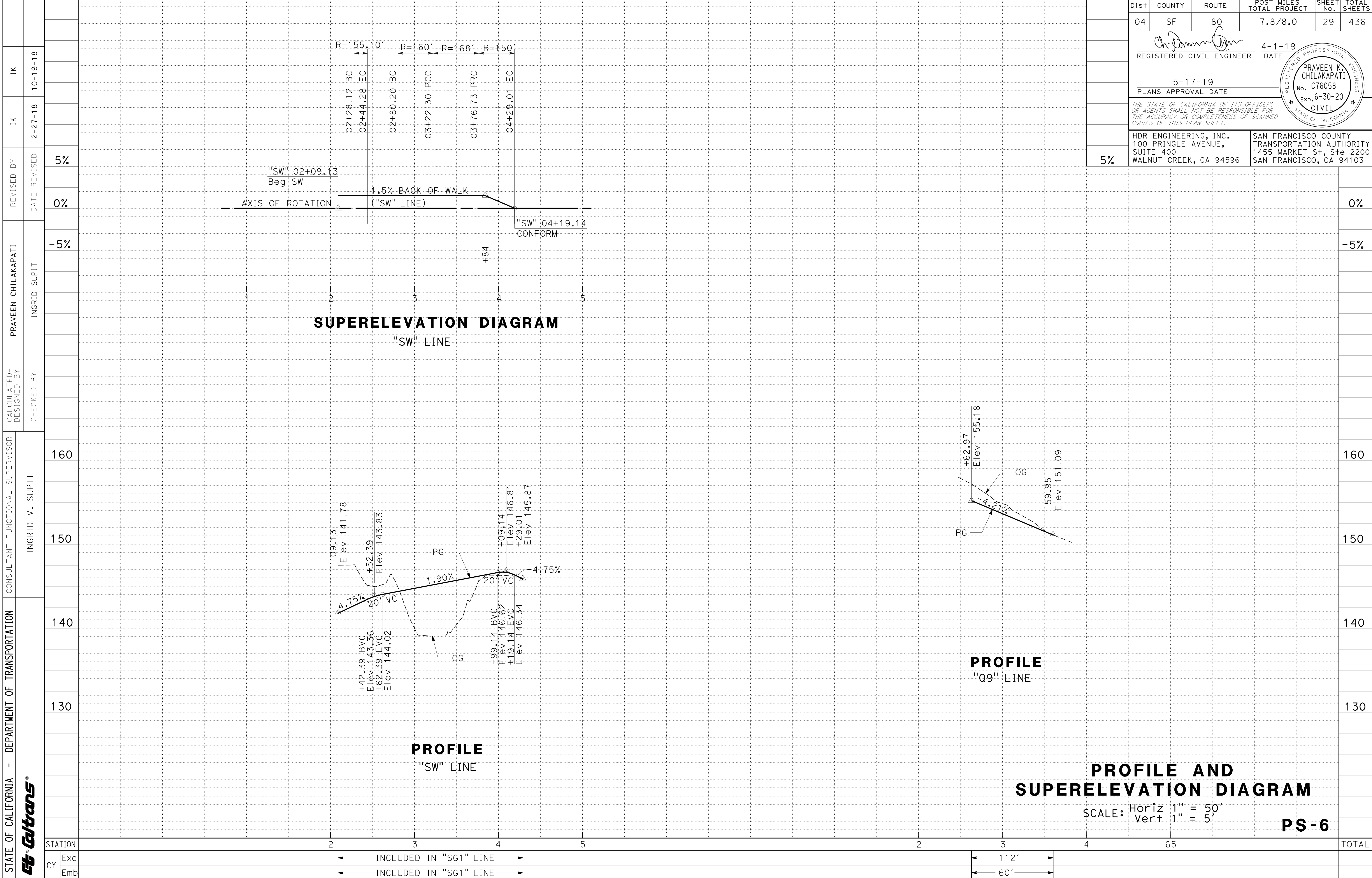
**SUPERELEVATION DIAGRAM**




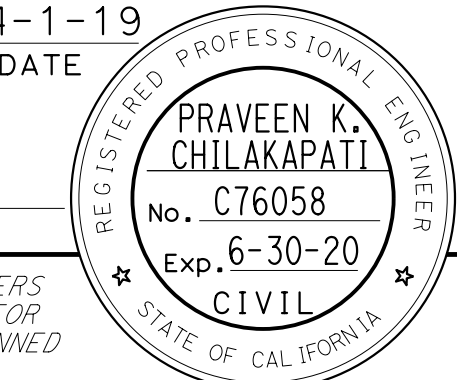
**PROFILE "BP" LINE**

**PROFILE AND SUPERELEVATION DIAGRAM**  
 SCALE: Horiz 1" = 50'  
 Vert 1" = 5'  
**PS-5**





STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION <b>Caltrans</b>	CONSULTANT	FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY	PRAVEEN CHILAKAPATI	REVISOR	DATE	REVISION
	INGRID V. SUPIT	INGRID SUPIT	INGRID SUPIT	INGRID SUPIT	INGRID SUPIT	INGRID SUPIT	INGRID SUPIT	INGRID SUPIT
STATION	2	3	4	5	6	7	8	9
Exc								
Emb								

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	29	436
 REGISTERED CIVIL ENGINEER			4-1-19 DATE		
5-17-19 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>					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	30	436

REGISTERED CIVIL ENGINEER	DATE
<i>Praveen K. Chilakapati</i>	4-1-19

PLANS APPROVAL DATE
5-17-19

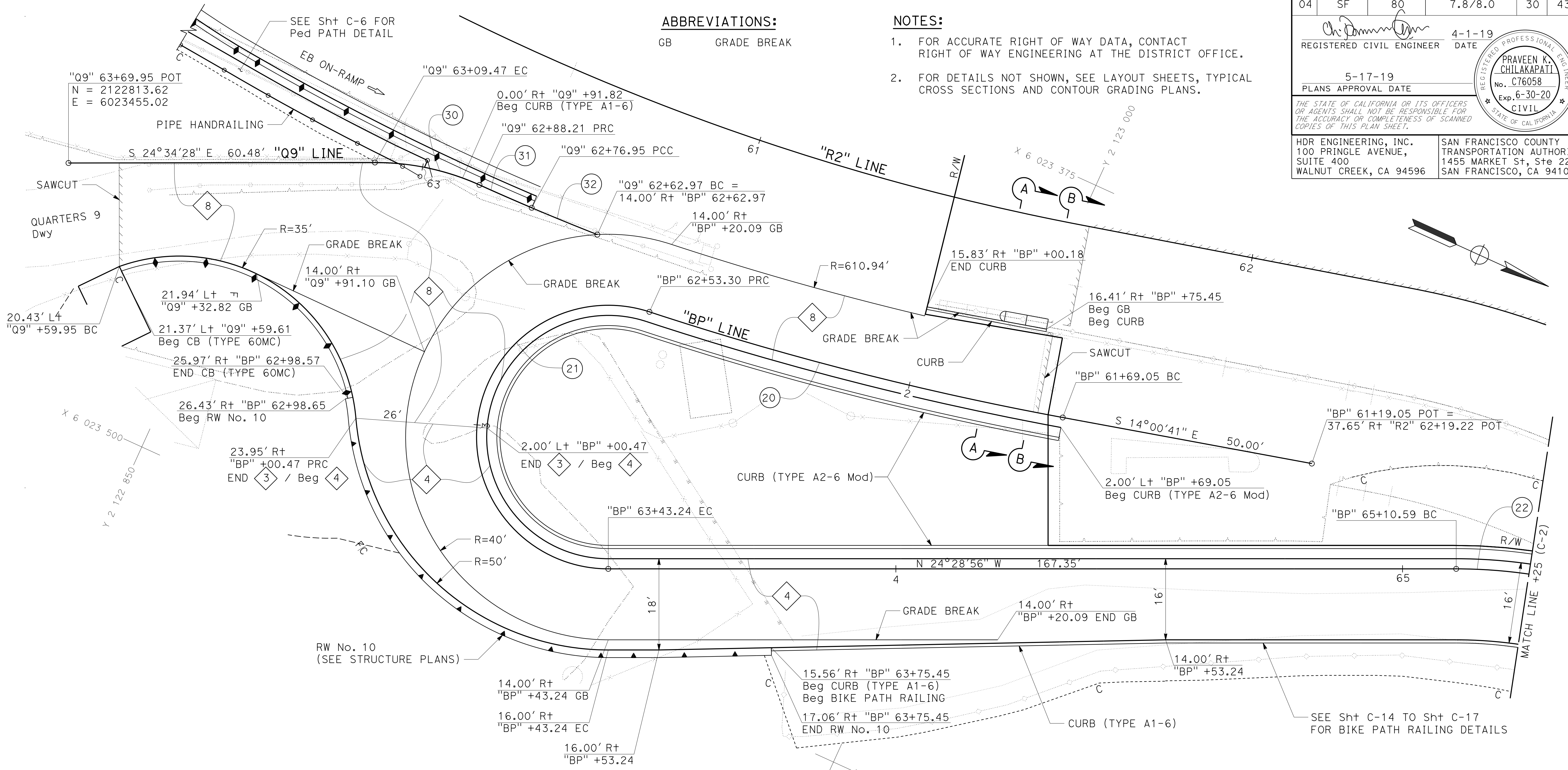
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596	SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103
---	---

**ABBREVIATIONS:**

GB GRADE BREAK

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR DETAILS NOT SHOWN, SEE LAYOUT SHEETS, TYPICAL CROSS SECTIONS AND CONTOUR GRADING PLANS.

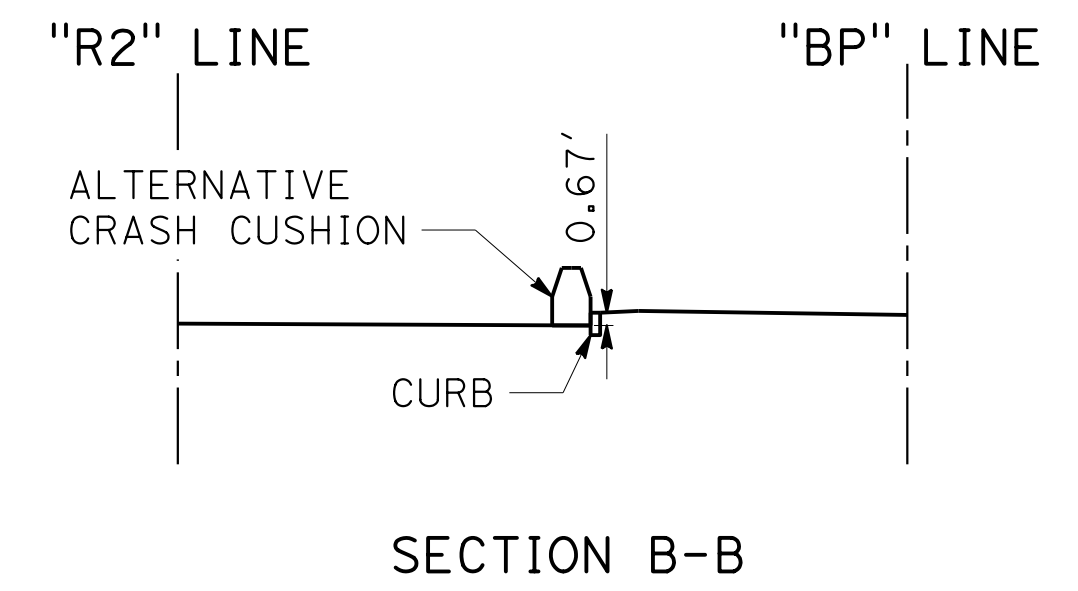
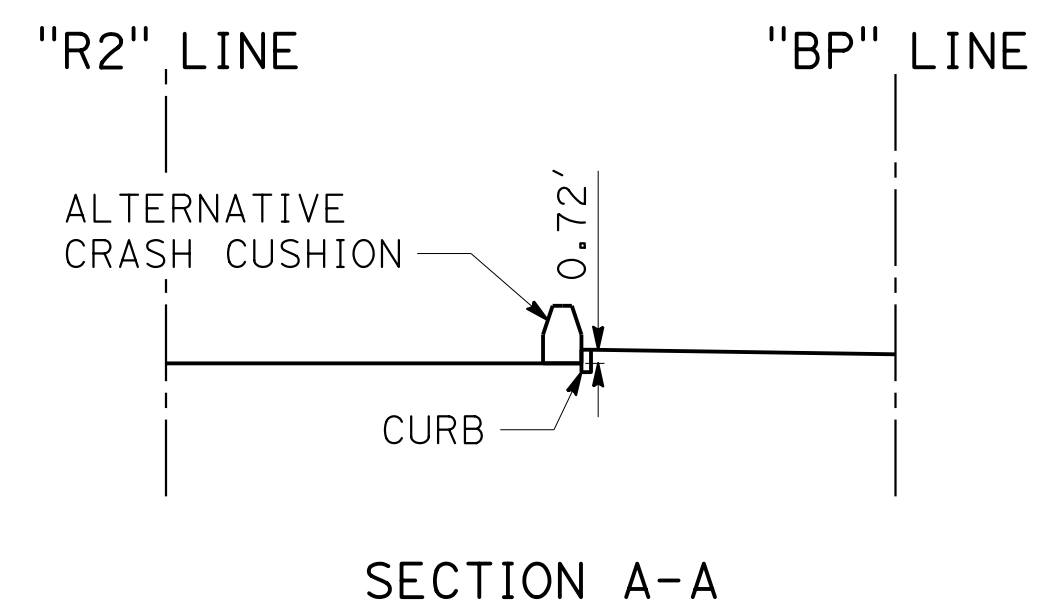


"BP" LINE CURVE DATA

No. (#)	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
20	624.94'	07°43'29"	42.19'	84.25'	2122861.71	6022813.05
21	26'	198°11'44"	162.37'	89.94'	2122932.99	6023460.07
22	100'	19°01'53"	16.76'	33.22'	2123137.51	6023505.39

"Q9" LINE CURVE DATA

No. (#)	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
30	50.00'	24°21'49"	10.79'	21.26'	2122889.42	6023475.34
31	508.48'	01°16'05"	5.63'	11.25'	2122887.37	6022916.86
32	508.48'	01°34'33"	6.99'	13.98'	2122887.37	6022916.86



**CONSTRUCTION DETAILS**

**BIKE PATH**  
SCALE: 1" = 10'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
*Caltrans*  
 CONSULTANT: FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: INGRID SUPIT  
 CHECKED BY:  
 PRABEEN CHILAKAPATI  
 INGRID SUPIT  
 REVISIONS: TP 2-12-19, IK 4-25-18  
 REVISIONS: DATE REVISED: 4-25-18  
 USERNAME => IKUKANE6  
 DGN FILE => 0419000153ga001.dgn  
 BORDER LAST REVISED 7/2/2010  
 RELATIVE BORDER SCALE 15" IN INCHES  
 UNIT 0728  
 PROJECT NUMBER & PHASE  
 04190001531

LAST REVISION: DATE PLOTTED => 07-NOV-2019  
 TIME PLOTTED => 15:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	31	436

REGISTERED CIVIL ENGINEER  
 DATE 4-1-19  
 PLANS APPROVAL DATE 5-17-19

PRAVEEN K. CHILAKAPATI  
 No. C76058  
 Exp. 6-30-20  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA

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

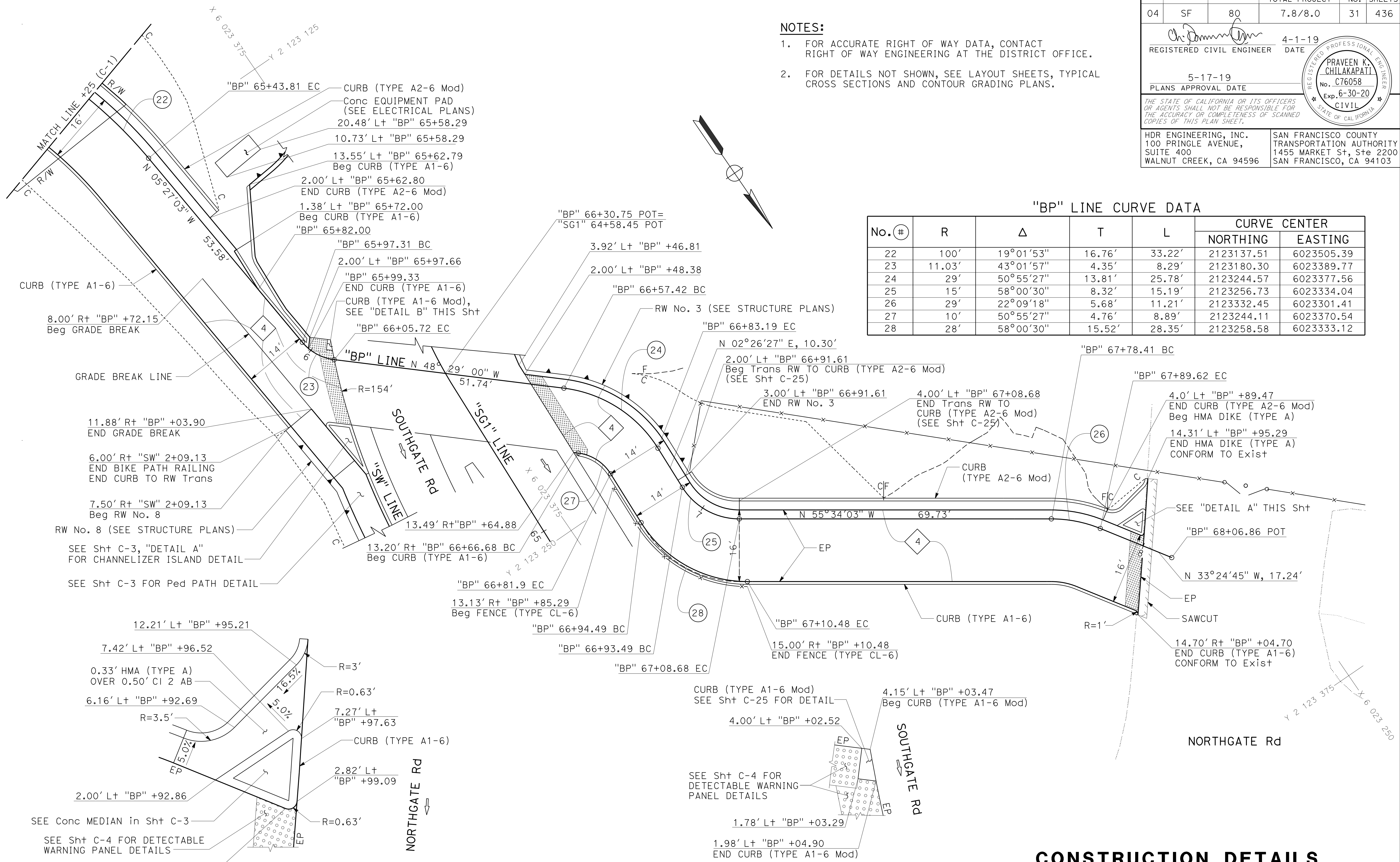
HDR ENGINEERING, INC.  
 100 PRINGLE AVENUE, SUITE 400  
 WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103

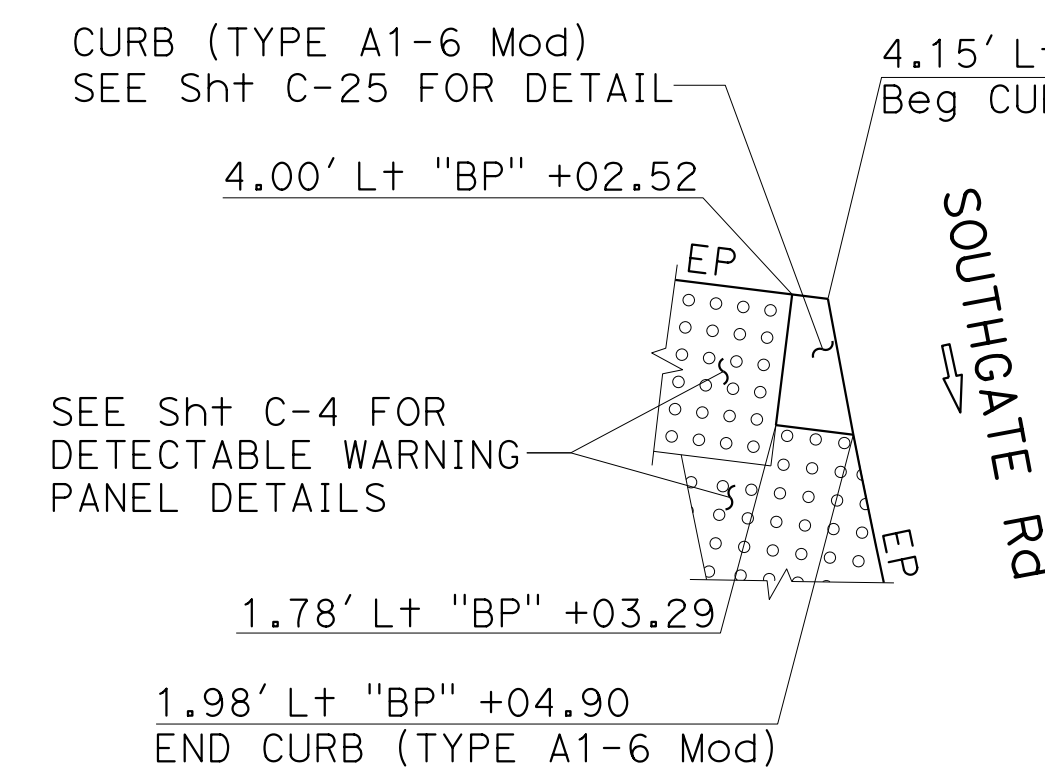
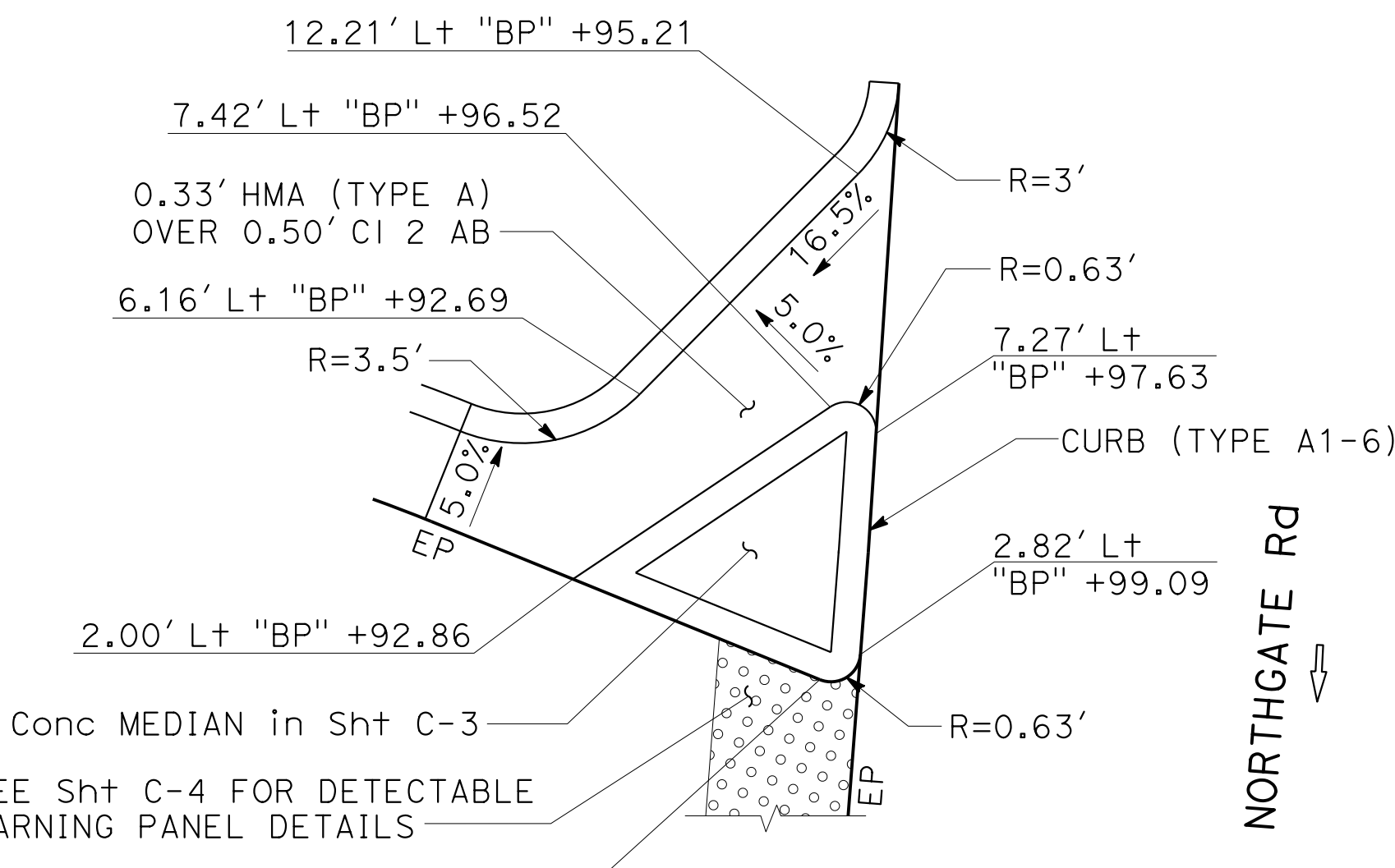
- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR DETAILS NOT SHOWN, SEE LAYOUT SHEETS, TYPICAL CROSS SECTIONS AND CONTOUR GRADING PLANS.

**"BP" LINE CURVE DATA**

No. #	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
22	100'	19°01'53"	16.76'	33.22'	2123137.51	6023505.39
23	11.03'	43°01'57"	4.35'	8.29'	2123180.30	6023389.77
24	29'	50°55'27"	13.81'	25.78'	2123244.57	6023377.56
25	15'	58°00'30"	8.32'	15.19'	2123256.73	6023334.04
26	29'	22°09'18"	5.68'	11.21'	2123332.45	6023301.41
27	10'	50°55'27"	4.76'	8.89'	2123244.11	6023370.54
28	28'	58°00'30"	15.52'	28.35'	2123258.58	6023333.12



11.88' Rt "BP" +03.90  
 END GRADE BREAK  
 6.00' Rt "SW" 2+09.13  
 END BIKE PATH RAILING  
 END CURB TO RW Trans  
 7.50' Rt "SW" 2+09.13  
 Beg RW No. 8  
 RW No. 8 (SEE STRUCTURE PLANS)  
 SEE Sht C-3, "DETAIL A"  
 FOR CHANNELIZER ISLAND DETAIL  
 SEE Sht C-3 FOR Ped PATH DETAIL



**CONSTRUCTION DETAILS**

**BIKE PATH**

SCALE: 1" = 10'

**C-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans  
 CONSULTANT: FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: INGRID SUPIT  
 REVISIONS: TP 1-16-19, IK 4-25-18, REVISED BY: INGRID SUPIT, DATE REVISED: 4-25-18



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT - FUNCTIONAL SUPERVISOR  
 INGRID V. SUPIT  
 CHECKED BY  
 INGRID SUPIT  
 DESIGNED BY  
 INGRID SUPIT  
 REVISIONS:  
 TB 1-2-19  
 KB 4-26-18  
 REVISED BY DATE

**NOTE:**  
 FOR DETAILS NOT SHOWN, SEE LAYOUT SHEETS, TYPICAL CROSS SECTIONS SHEETS, AND CONTOUR GRADING SHEETS.

**LEGEND:**  
 X NEW PAVEMENT STRUCTURAL SECTION  
 # CURVE No.

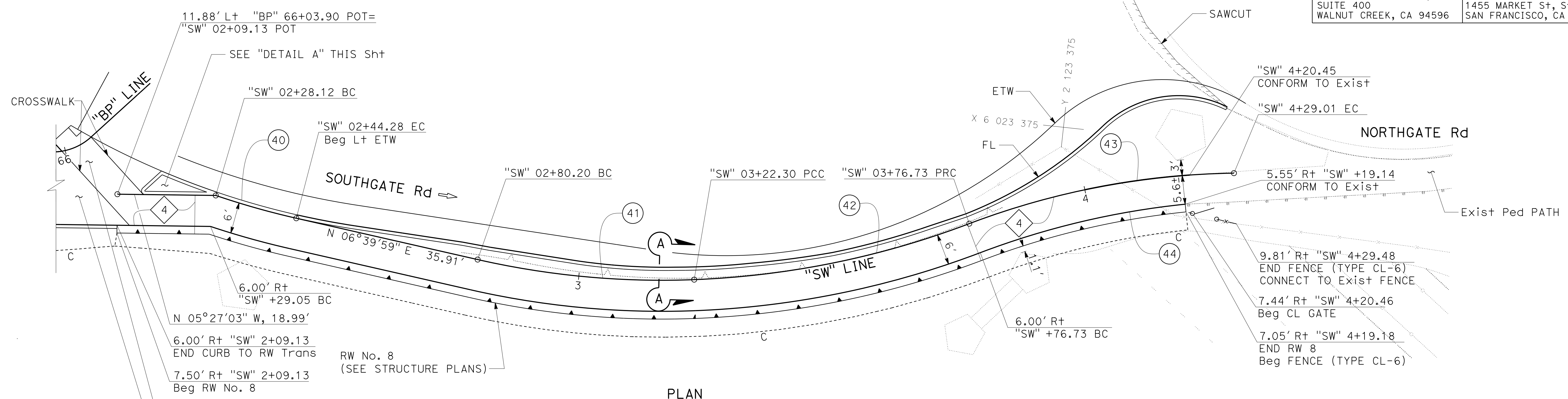
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	32	436

REGISTERED CIVIL ENGINEER  
 PRAVEEN K. CHILAKAPATI  
 No. C76058  
 Exp. 6-30-20  
 CIVIL  
 STATE OF CALIFORNIA

4-1-19  
 DATE  
 5-17-19  
 PLANS APPROVAL DATE

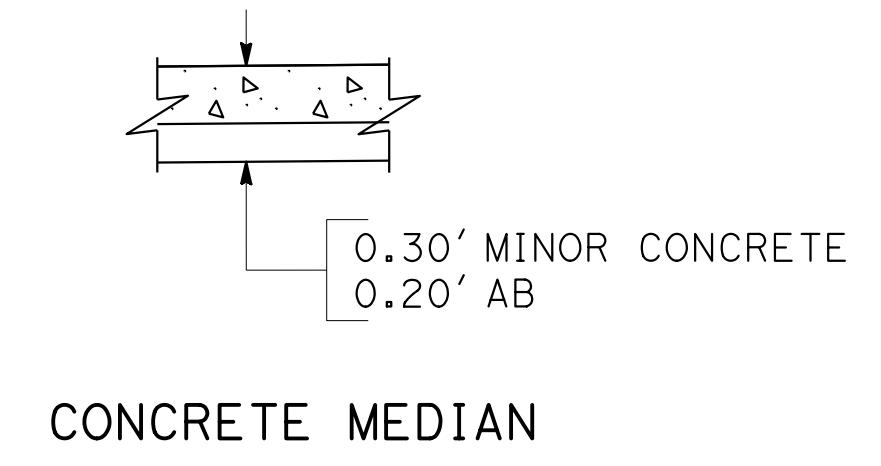
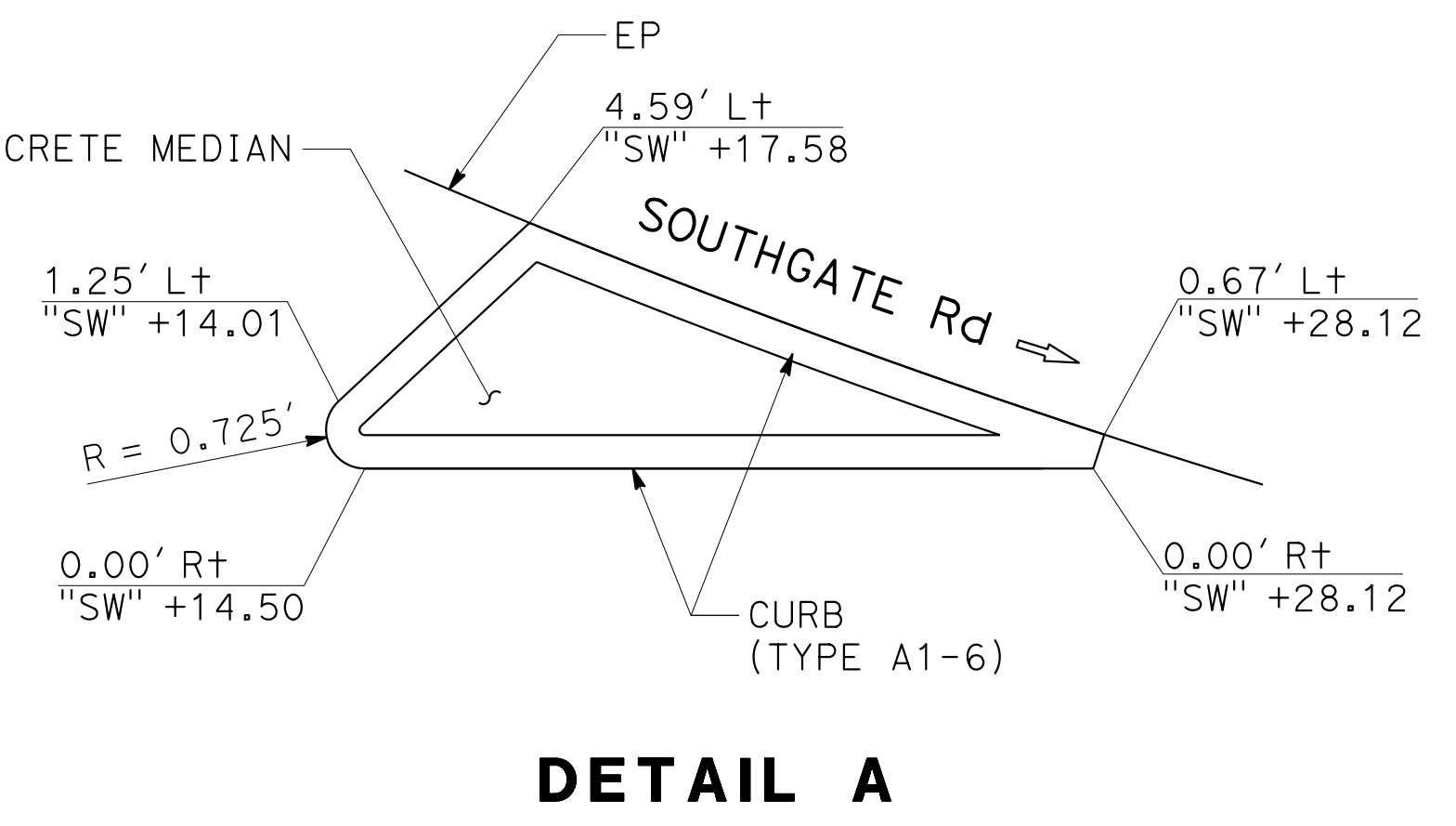
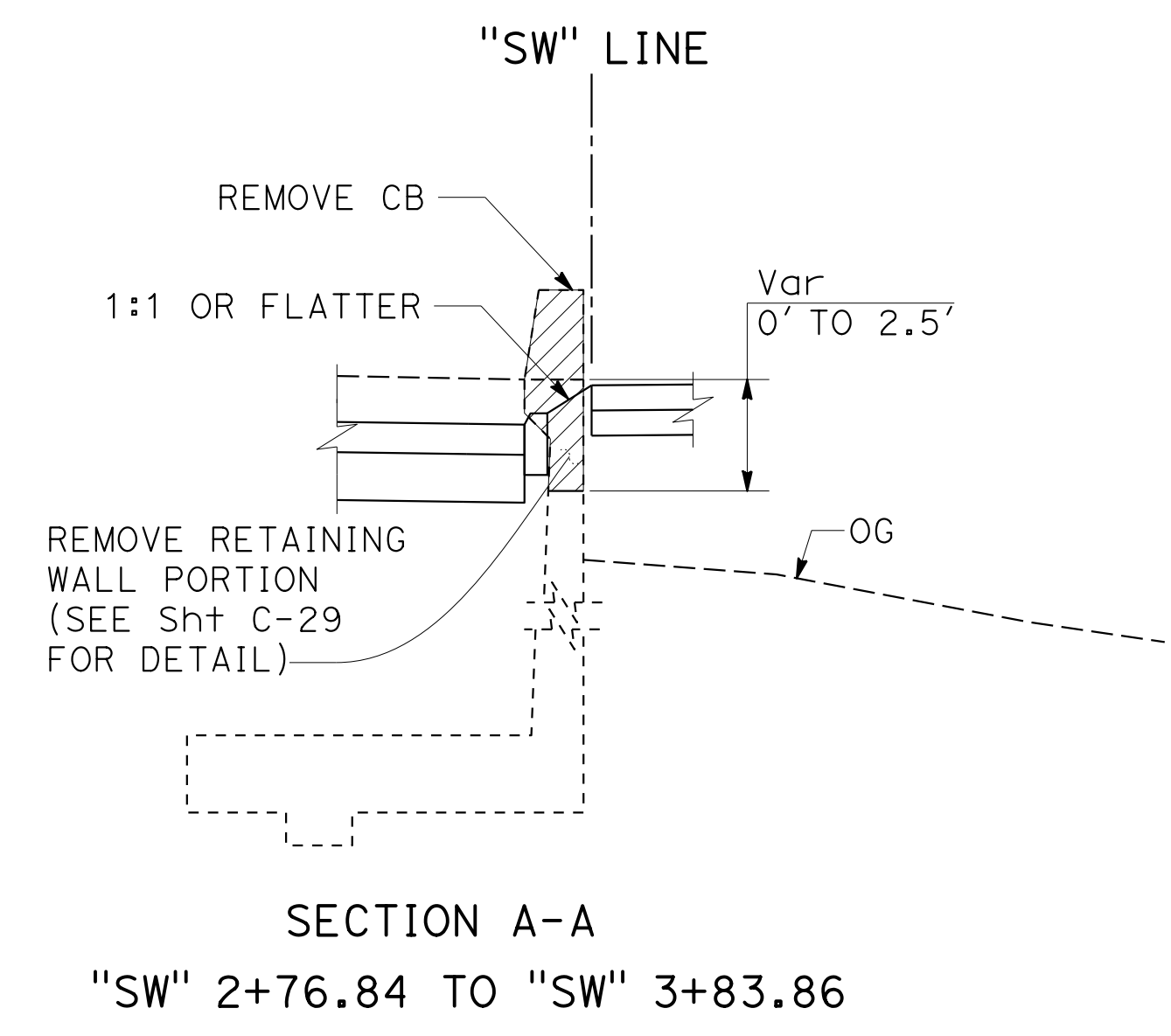
HDR ENGINEERING, INC.  
 100 PRINGLE AVENUE,  
 SUITE 400  
 WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY  
 TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103



CURVE DATA

No. (#)	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
40	155.10'	05°58'16"	8.09'	16.16'	2123247.65	6023254.36
41	160.00'	15°04'37"	21.17'	42.10'	2123283.89	6023253.66
42	168.00'	18°33'50"	27.46'	54.43'	2123282.72	6023245.74
43	150.00'	19°58'15"	26.41'	52.28'	2123426.96	6023529.15
44	156.23'	14°56'56"	20.50'	40.76'	2123432.51	6023540.05

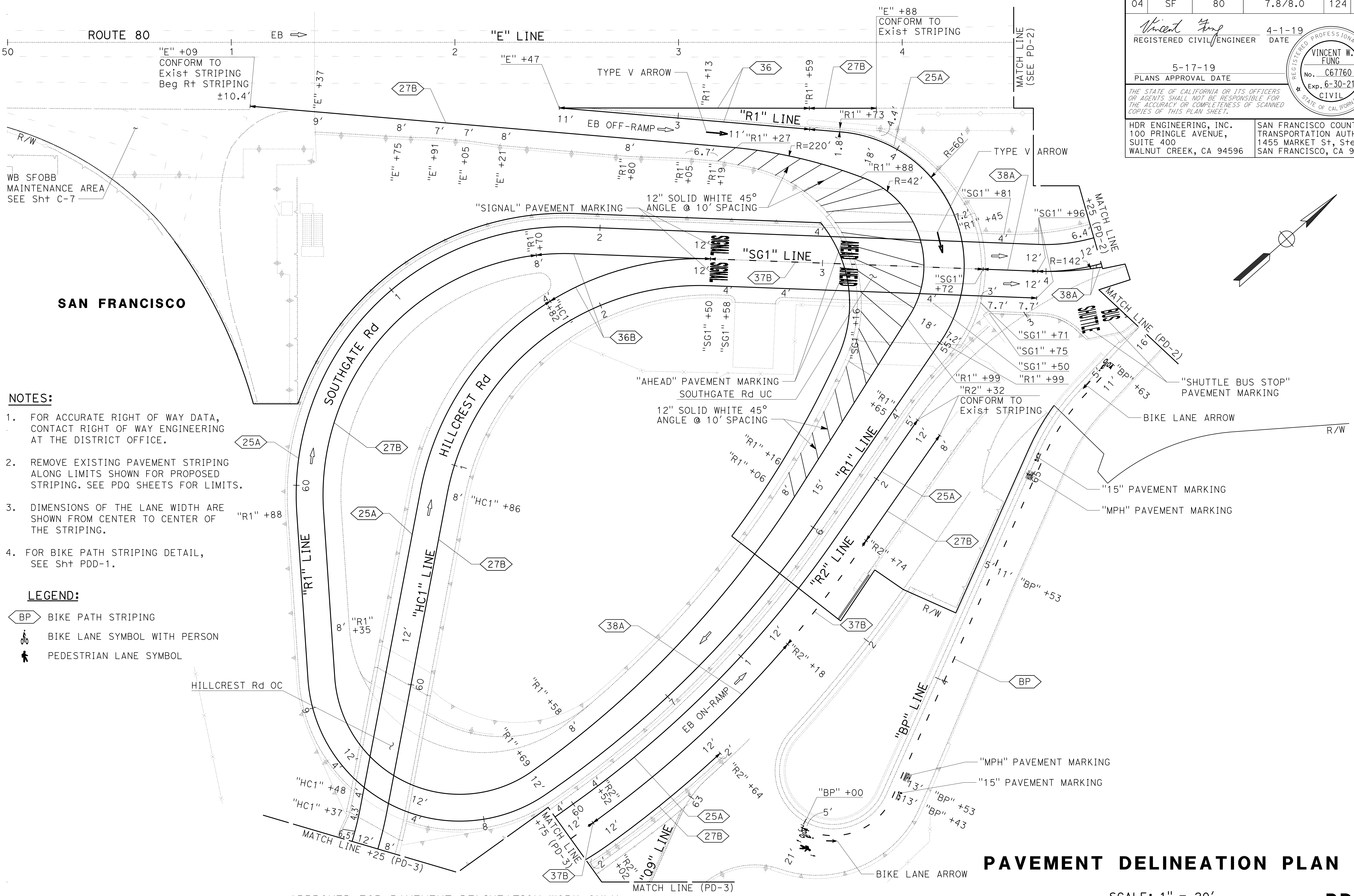


**CONSTRUCTION DETAILS**  
**PEDESTRIAN PATH**  
 SCALE: 1" = 10'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: INGRID V. SUPIT  
 CALCULATED/DESIGNED BY: INGRID V. SUPIT  
 CHECKED BY:  
 VINCENT FUNG  
 INGRID SUPIT  
 REVISOR: VINCENT FUNG  
 DATE: 11-12-18  
 HQ: 2-18-19  
 HQ: 4-30-18  
 HQ: 4-1-19  
 HQ: 5-17-19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	124	436

Vincent Fung  
 REGISTERED CIVIL ENGINEER  
 DATE: 4-1-19  
 PLANS APPROVAL DATE: 5-17-19  
 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.  
 HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400, WALNUT CREEK, CA 94596  
 SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - REMOVE EXISTING PAVEMENT STRIPING ALONG LIMITS SHOWN FOR PROPOSED STRIPING. SEE PDQ SHEETS FOR LIMITS.
  - DIMENSIONS OF THE LANE WIDTH ARE SHOWN FROM CENTER TO CENTER OF THE STRIPING.
  - FOR BIKE PATH STRIPING DETAIL, SEE Sht PDD-1.

- LEGEND:**
- BP BIKE PATH STRIPING
  - BIKE LANE SYMBOL WITH PERSON
  - PEDESTRIAN LANE SYMBOL

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

**PAVEMENT DELINEATION PLAN**

SCALE: 1" = 20'

**PD-1**





STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION <b>Caltrans</b>	CONSULTANT FUNCTIONAL SUPERVISOR	INGRID V. SUPIT	CALCULATED-DESIGNED BY	INGRID SUPIT	REVISOR	DATE	NO.
	CONSULTANT	INGRID SUPIT	CHECKED BY	INGRID SUPIT	REVISOR	DATE	NO.
	DESIGNED BY	INGRID SUPIT	CHECKED BY	INGRID SUPIT	REVISOR	DATE	NO.
	DESIGNED BY	INGRID SUPIT	CHECKED BY	INGRID SUPIT	REVISOR	DATE	NO.

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

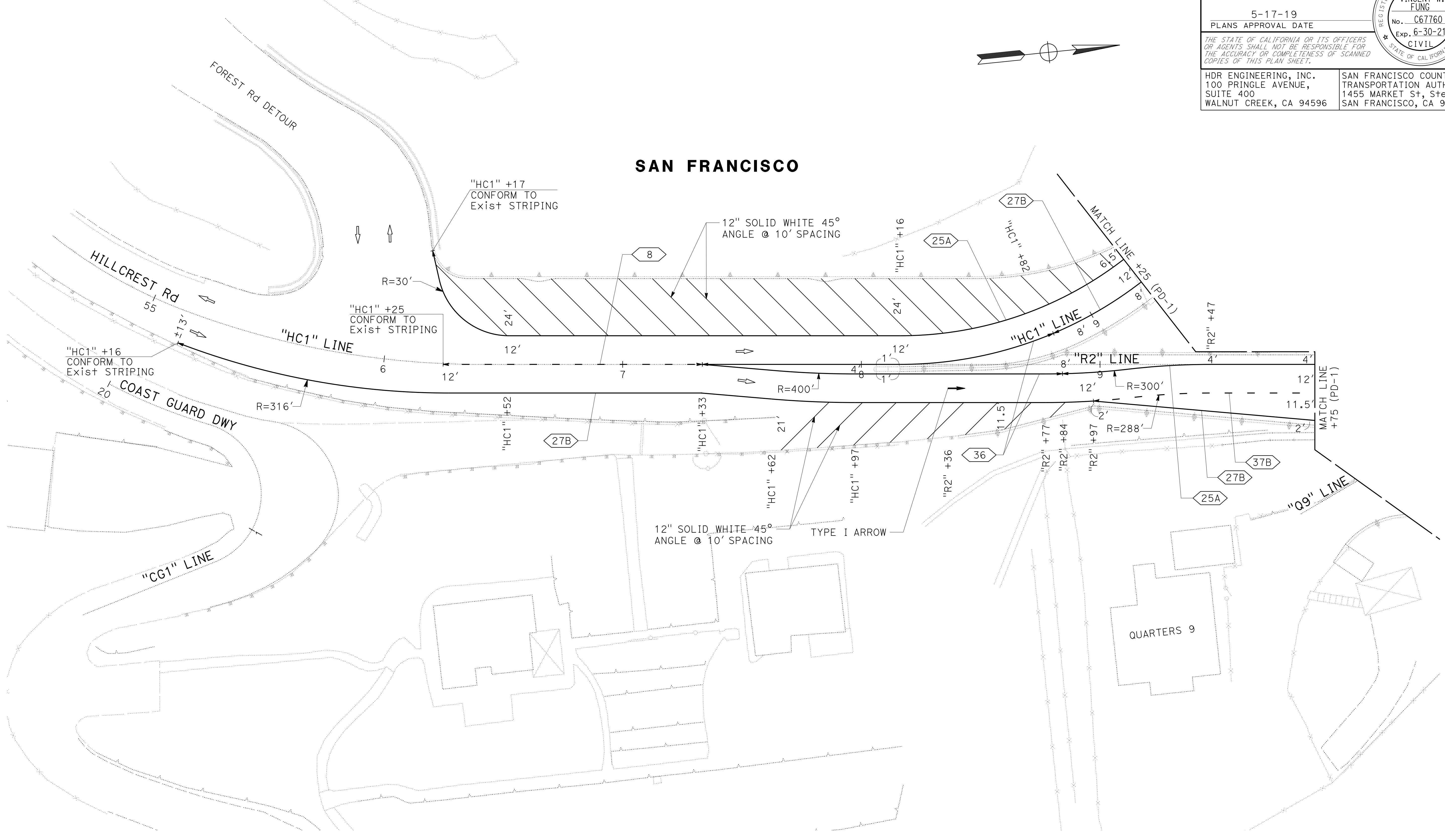
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	126	436

REGISTERED CIVIL ENGINEER  
*Vincent Fung*  
DATE: 4-1-19  
PLANS APPROVAL DATE: 5-17-19

VINCENT W. FUNG  
No. C67760  
Exp. 6-30-21  
CIVIL  
STATE OF CALIFORNIA

HDR ENGINEERING, INC.  
100 PRINGLE AVENUE,  
SUITE 400  
WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY  
TRANSPORTATION AUTHORITY  
1455 MARKET St, Ste 2200  
SAN FRANCISCO, CA 94103




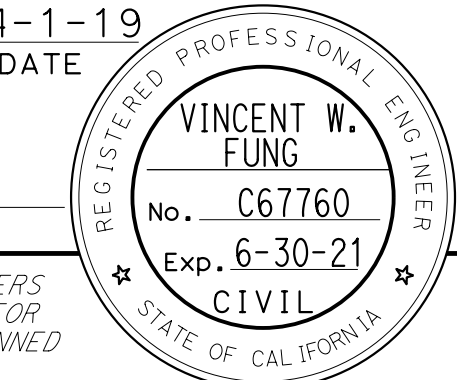
FOR NOTES, ABBREVIATIONS  
AND LEGEND, SEE SHEET PD-1

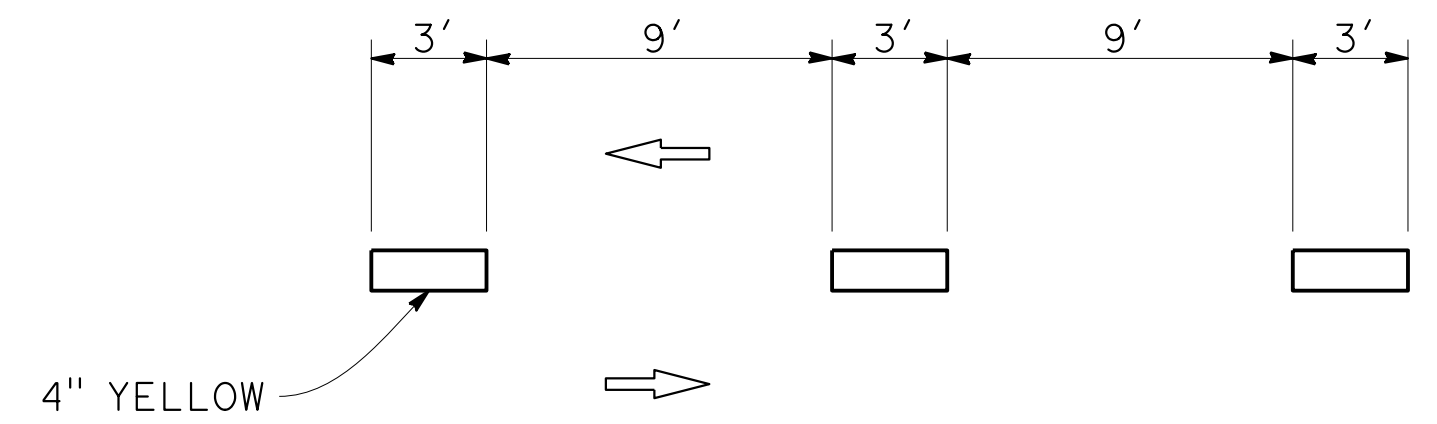
**PAVEMENT DELINEATION PLAN**  
SCALE: 1" = 20'  
**PD-3**

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

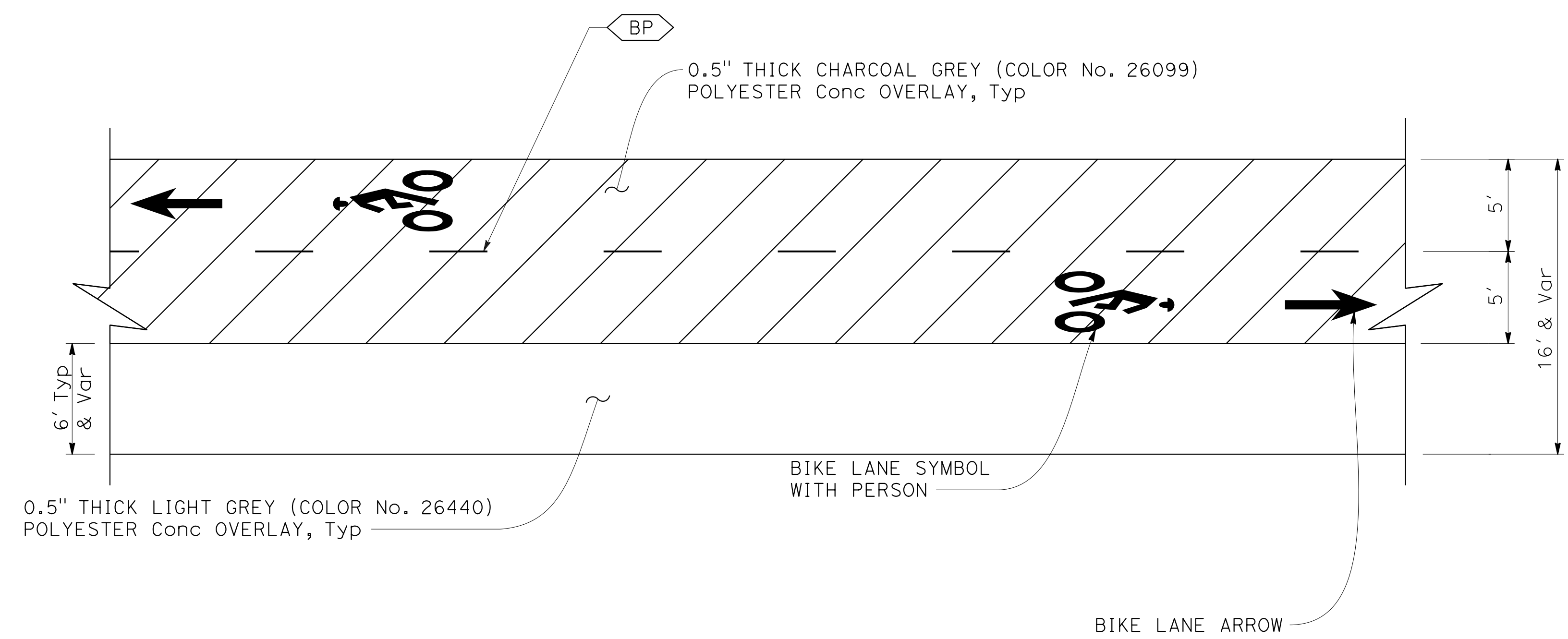
LAST REVISION DATE PLOTTED => 13-NOV-2019  
00-00-00 TIME PLOTTED => 11:27

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION <b>Caltrans</b>	CONSULTANT - FUNCTIONAL SUPERVISOR	INGRID V. SUPIT	CALCULATED-DESIGNED BY	VINCENT FUNG	REVISOR	HO	HO	HO
	DESIGNED BY	INGRID SUPIT	CHECKED BY	INGRID SUPIT	DATE REVISED	4-30-18	11-12-18	2-18-19
	DATE							

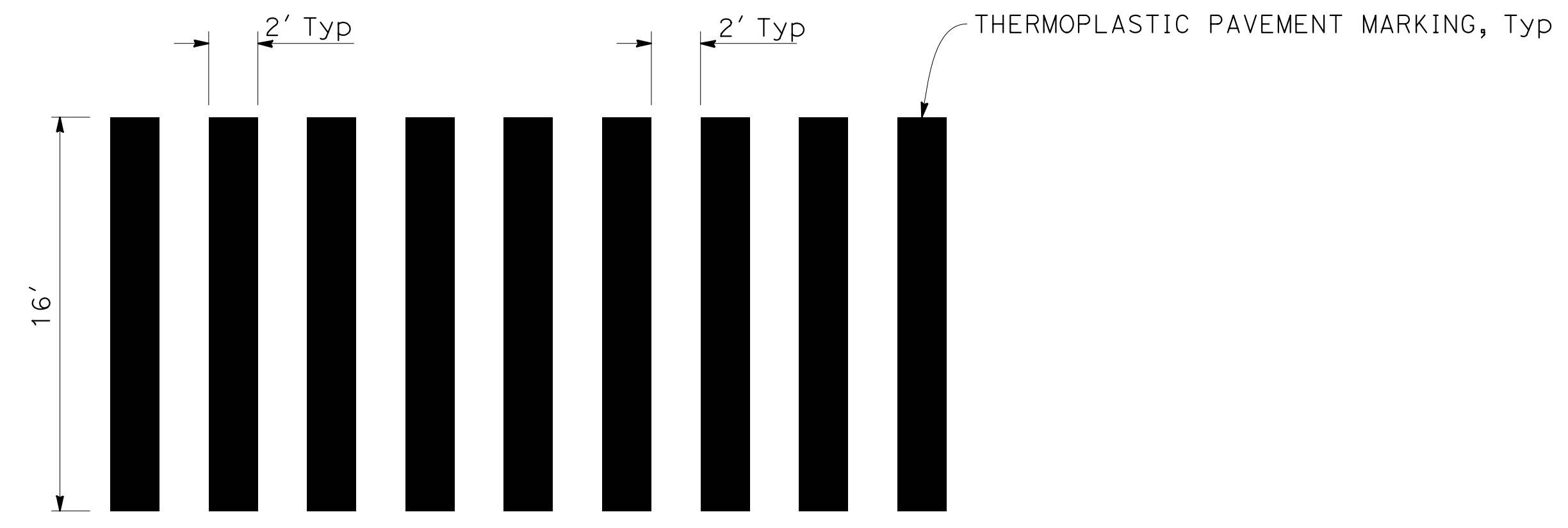
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	127	436
 REGISTERED CIVIL ENGINEER			4-1-19	DATE	
5-17-19 PLANS APPROVAL DATE					
HDR ENGINEERING, INC. 100 PRINGLE AVENUE, SUITE 400 WALNUT CREEK, CA 94596			SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY 1455 MARKET St, Ste 2200 SAN FRANCISCO, CA 94103		



**BIKE PATH STRIPING DETAIL (BP)**



**BIKE PATH DETAIL**



**CONTINENTAL CROSSWALK DETAIL**

**PAVEMENT DELINEATION DETAILS**

NO SCALE

**PDD-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT - FUNCTIONAL SUPERVISOR  
 INGRID V. SUPIT  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 VINCENT FUNG  
 INGRID SUPIT  
 REVISED BY  
 DATE REVISED  
 HQ  
 HQ  
 HQ  
 3-19-19  
 11-12-18  
 4-30-18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	7.8/8.0	128	436

Vincent Fung  
 REGISTERED CIVIL ENGINEER  
 DATE 4-1-19  
 PLANS APPROVAL DATE 5-17-19

HDR ENGINEERING, INC.  
 100 PRINGLE AVENUE,  
 SUITE 400  
 WALNUT CREEK, CA 94596

SAN FRANCISCO COUNTY  
 TRANSPORTATION AUTHORITY  
 1455 MARKET St, Ste 2200  
 SAN FRANCISCO, CA 94103

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.	STATION	DIRECTION	DETAIL No. OR PvmT MARKING	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)						PAVEMENT MARKER (RETROREFLECTIVE)			THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)		
				4"		6"		8"		12"	TYPE C	TYPE G		TYPE RY	
				LF (BROKEN 9-3)	LF WHITE SOLID	LF (BROKEN 17-7)	LF YELLOW SOLID	LF WHITE SOLID	LF (BROKEN 12-3)	LF WHITE SOLID					EA
PD-1	"E" 51+09 TO "R1" 61+70	EB	27B					976							
PD-1	"E" 52+47 TO "E" 53+59	EB	36							112		5			
PD-1	"E" 52+47 TO "R1" 53+59	EB	36							112		5			
PD-1	"E" 53+59 TO "E" 53+88	EB	27B					29							
PD-1	"R1" 53+13 TO "R1" 53+23		TYPE V ARROW										11		33
PD-1	"R1" 54+45 TO "R1" 54+56		TYPE V ARROW										11		33
PD-1	"R1" 53+27 TO "R1" 55+93		12" SOLID WHITE HATCHING												347
PD-1	"R1" 61+70 TO "SG1" 62+50	EB	36B							78		4			
PD-1	"R2" 60+02 TO "R2" 61+18	EB	38A							118					
PD-1	"R2" 61+74 TO "R2" 62+32	EB	27B					58							
PD-1	"R2" 61+18 TO "R2" 61+74	EB	37B						58				3		
PD-1	"HC1" 61+82 TO "SG1" 62+50	EB	36B							75		4			
PD-1	"SG1" 62+50 TO "SG1" 63+71	EB	37B						122				10		
PD-1	"SG1" 62+58		SIGNAL												64
PD-1	"SG1" 63+16		AHEAD												62
PD-1	"SG1" 63+71 TO "SG1" 63+96	EB	38A							24					
PD-1	"BP" 63+00 TO "BP" 65+63	EB	BIKE PATH STRIPING	267											
PD-1	"BP" 63+00 TO "BP" 63+06		BIKE SYMBOL W/ PERSON												7
PD-1	"BP" 63+11 TO "BP" 63+15		BIKE LANE ARROW												4
PD-1	"BP" 63+00 TO "BP" 63+09		PEDESTRIAN LANE SYMBOL												7
PD-1	"BP" 63+43 TO "BP" 63+56		15 MPH												4
PD-1	"BP" 64+98 TO "BP" 65+11		15 MPH												4
PD-1	"BP" 65+45 TO "BP" 65+50		BIKE LANE ARROW												4
PD-1	"BP" 65+56 TO "BP" 65+63		BIKE SYMBOL W/ PERSON												7
PD-1 TO PD-2	"R1" 53+59 TO "SG1" 66+65	EB	25A			1,098							46		
PD-1 TO PD-2	"SG1" 63+96 TO "SG1" 64+56	EB	38A							60					
PD-1 TO PD-2	"SG1" 63+96 TO "SG1" 64+52		38A							57					
PD-1 TO PD-2	"SG1" 63+96 TO "SG1" 64+54		12" SOLID WHITE HATCHING												13
PD-1 TO PD-2	"SG1" 64+12 TO "SG1" 64+34		SHUTTLE BUS STOP												78
PD-1 & PD-3	"HC1" 56+17 TO "HC1" 61+82	EB	25A			583							25		
PD-1 & PD-3	"HC1" 56+19 TO "HC1" 59+30		12" SOLID WHITE HATCHING												613
PD-1 & PD-3	"R2" 58+97 TO "R2" 60+02	EB	37B						105				12		
PD-1 & PD-3	"HC1" 55+16 TO "R2" 60+64	EB	27B					557							
PD-1 & PD-3	"R2" 58+84 TO "R2" 62+32	EB	25A			348								15	
PD-1 TO PD-3	"HC1" 58+82 TO "SG1" 63+96	EB	27B					514							
<b>SUBTOTAL</b>				267			2,029	2,134	285	637		18	25	108	1,278

**PAVEMENT DELINEATION QUANTITIES**

**PDQ-1**





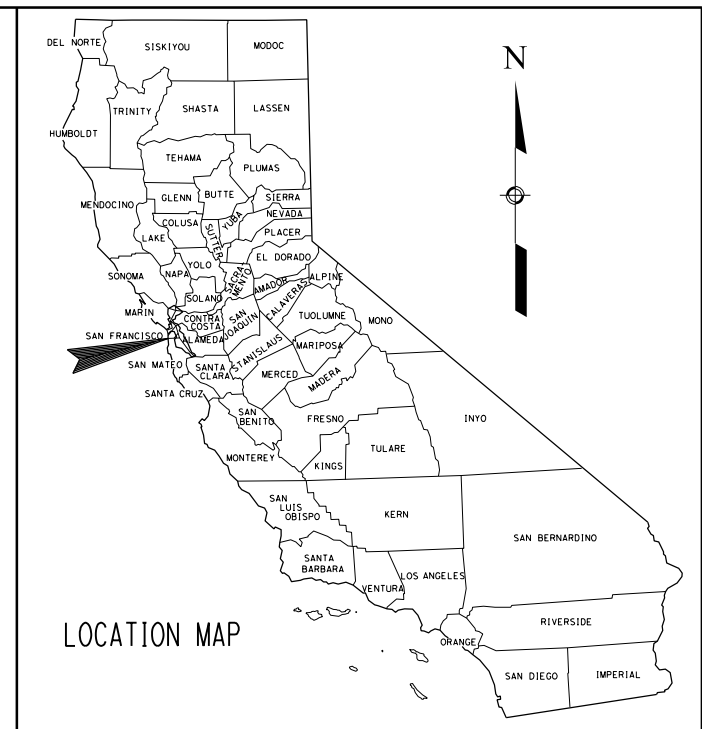
## **Attachment 4**

### **YBI Westside Bridges YBI Multi-Use Path Related Plans**

**CITY AND COUNTY OF SAN FRANCISCO  
DEPARTMENT OF PUBLIC WORKS**

**PROJECT PLANS FOR CONSTRUCTION ON  
YERBA BUENA ISLAND  
IN SAN FRANCISCO COUNTY  
IN SAN FRANCISCO  
ON TREASURE ISLAND ROAD  
BETWEEN I-80 SFOBB  
AND 0.1 MILE SOUTH OF MACALLA ROAD**

TO BE SUPPLEMENTED BY CALTRANS STANDARD PLANS DATED 2018, EXCEPT ALL WORK PERFORMED WITHIN STATE RIGHT OF WAY AND ALL WORK ASSOCIATED WITH BRIDGE No. 01CA0001 MUST COMPLY WITH CALTRANS STANDARD PLANS DATED 2022

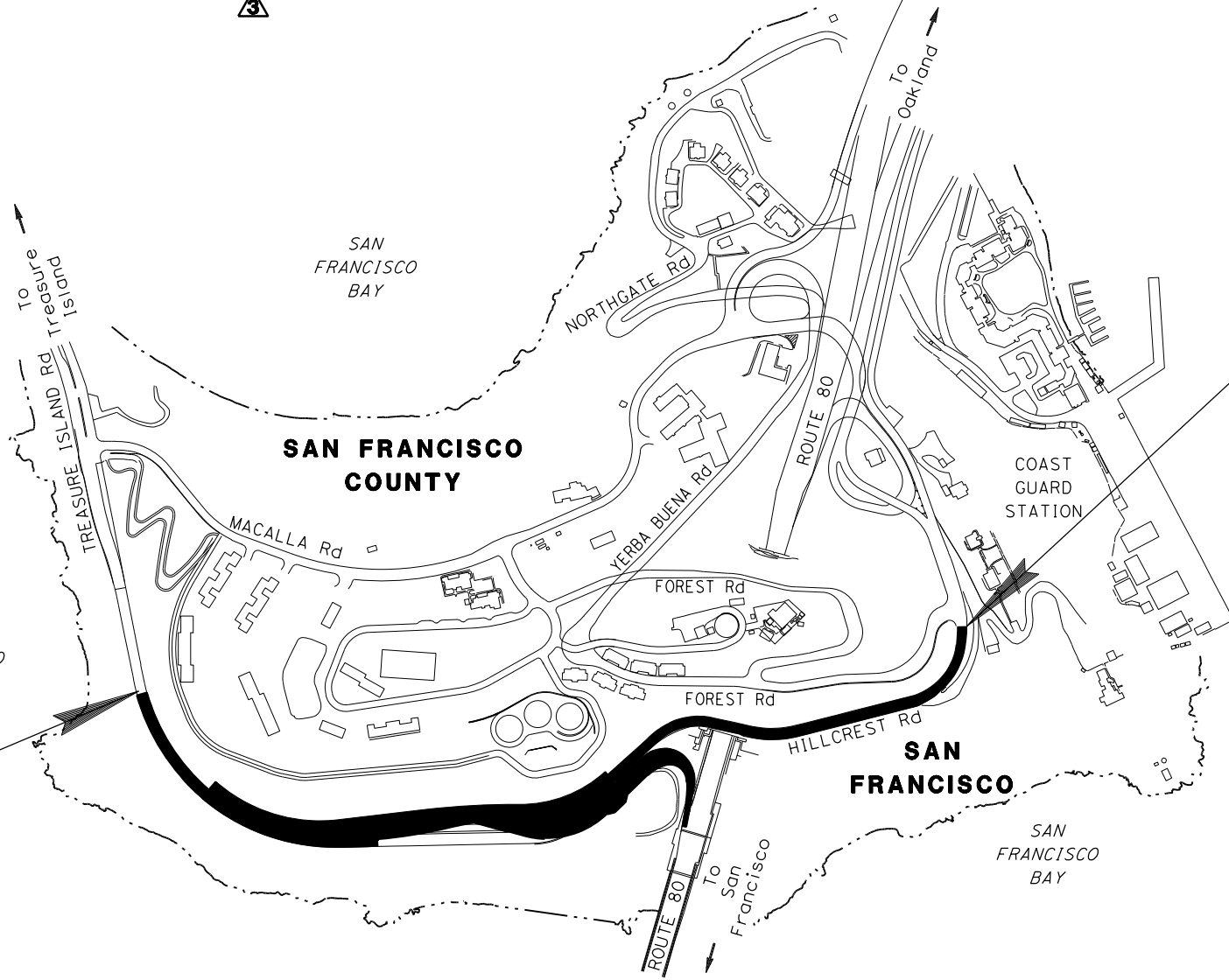


**INDEX OF PLANS**

SHEET No.	DESCRIPTION
<b>ROADWAY PLANS</b>	
1	TITLE AND LOCATION MAP
2-13	TYPICAL CROSS SECTIONS
14	KEY MAP & LINE INDEX
15	PROJECT CONTROL
16-18	LAYOUT
19-21	PROFILE AND SUPERELEVATION DIAGRAM
22-30	REMOVAL PLAN, DETAILS AND QUANTITIES
31-42	CONSTRUCTION DETAILS
43-45	TEMPORARY WATER POLLUTION CONTROL PLAN AND QUANTITIES
46-49	CONTOUR GRADING
50-75	DRAINAGE PLAN, PROFILES, DETAILS AND QUANTITIES
76-84	UTILITY PLAN, PROFILES AND DETAILS
85-90	MOTORIST INFORMATION AND DETAILS
91-94	TRAFFIC HANDLING PLAN AND QUANTITIES
95-104	PAVEMENT DELINEATION PLAN, DETAILS AND QUANTITIES
105-116	SIGN PLAN, DETAILS AND QUANTITIES
117-118	SUMMARY OF QUANTITIES
119-121	TREE REMOVAL
122-125	EROSION CONTROL PLAN, DETAILS AND QUANTITIES
126-135	ELECTRICAL PLANS
136-145	JOINT TRENCH COMPOSITE PLANS
146-191	REVISED STANDARD PLANS

**STRUCTURE PLANS**

146-177	RETAINING WALL NO. 1
178-200	RETAINING WALL NO. 2
201-211	RETAINING WALL NO. 3
212-219	RETAINING WALL NO. 4
220-227	RETAINING WALL NO. 5
228-243	RETAINING WALL NO. 6
244-253	RETAINING WALL A
254-269	T.I. RD. UNDERCROSSING
270-282	BRIDGE NO. 1



**END CONSTRUCTION  
Sta "L" 83+72**

**BEGIN CONSTRUCTION  
Sta "L" 55+00**

THE CALTRANS STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

<b>100% REFINED PS&amp;Q SUBMITTAL</b> September 26, 2022
<b>ADDENDUM 1</b> November 14, 2022
<b>ADDENDUM 2</b> December 9, 2022
<b>ADDENDUM 2R</b> January 9, 2023
<b>ADDENDUM 3</b> February 2, 2023
<b>ADDENDUM 3R</b> February 16, 2023

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

		9-26-22 PLANS SUBMITTAL DATE	<p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p>	<p>SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFCTA) 100 VAN NESS AVENUE, 26TH FLOOR SAN FRANCISCO, CA 94102 (415) 522-4800 (PHONE) (415) 522-4829 (FAX) www.sfcta.org</p>	<p>CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS 1 DR. CARLTON B. GOODLETT PLACE CITY HALL, ROOM 348 SAN FRANCISCO, CA 94102 (415) 554-6920 (PHONE) (415) 554-6944 (FAX) www.sfdpw.org</p>	USERNAME => sdwyer CADD FILENAME => YBISab001.ADD.dgn CONTRACT NO. <b>00000001</b>		
	PLANS APPROVAL DATE	WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				SHEET NAME <b>TITLE</b>	SHEET NO. <b>1</b>	TOTAL SHEETS <b>282</b>

BORDER LAST REVISED 9/21/2022

RELATIVE BORDER SCALE IS IN INCHES

**CONFORMED BID SET**

LAST REVISION: 2-16-23  
DATE PLOTTED => 2/16/2023  
TIME PLOTTED => 11:54:32 AM



**NOTES:**

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
3. FOR LOCATION OF SAWCUT/CONFORM LINES, SEE CONSTRUCTION DETAIL SHEETS.
4. FOR LOCATION AND TYPE OF RETAINING WALL, SEE RETAINING WALL AND STRUCTURE PLANS.
5. FOR LOCATION OF GUTTERS AND DITCHES, SEE DRAINAGE SHEETS.
6. FOR LIMITS AND TYPES OF CONCRETE BARRIER, DIKE, FENCE, AND MGS, SEE LAYOUT, CONSTRUCTION DETAILS AND QUANTITY SHEETS.
7. SEE JOINT TRENCH PLANS FOR TRENCH DIMENSIONS.

**LEGEND:**

- No. NEW STRUCTURAL SECTIONS
- No. EXISTING STRUCTURAL SECTIONS
- EXISTING STRUCTURE TO BE REMOVED

**ABBREVIATIONS:**

- CB (TYPE) CONCRETE BARRIER (TYPE)
- JT JOINT TRENCH
- MVP MAINTENANCE VEHICLE PULLOUT
- RW RETAINING WALL
- Str STRUCTURE
- Veg VEGETATION

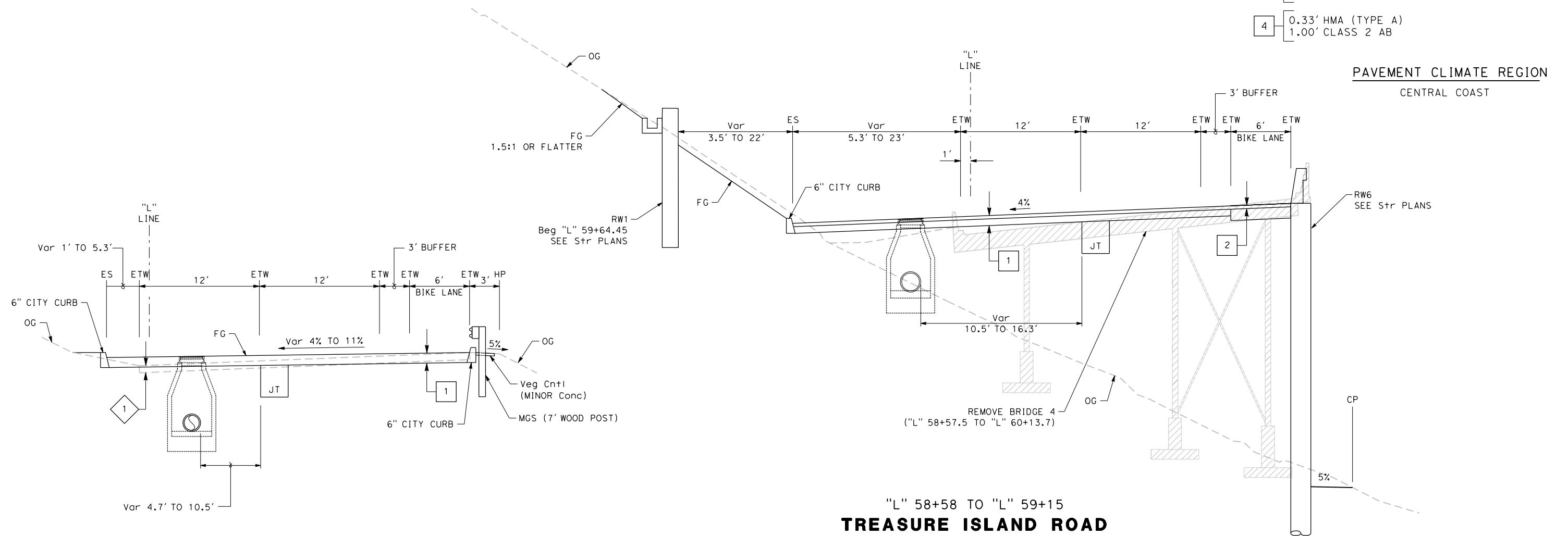
**EXISTING STRUCTURAL SECTION**

- 1 9" AC
- 2 0.33' PLANT MIX SURFACE  
0.67' CEMENT TREATED BASE

**NEW STRUCTURAL SECTION**

- 1 0.33' HMA (TYPE A)  
0.67' CONCRETE BASE
- 2 0.33' HMA (TYPE A)  
CONCRETE BARRIER SLAB (SEE STRUCTURE PLANS)
- 3 0.10' COLD PLANE  
0.10' HMA (TYPE A)
- 4 0.33' HMA (TYPE A)  
1.00' CLASS 2 AB

**PAVEMENT CLIMATE REGION**  
CENTRAL COAST

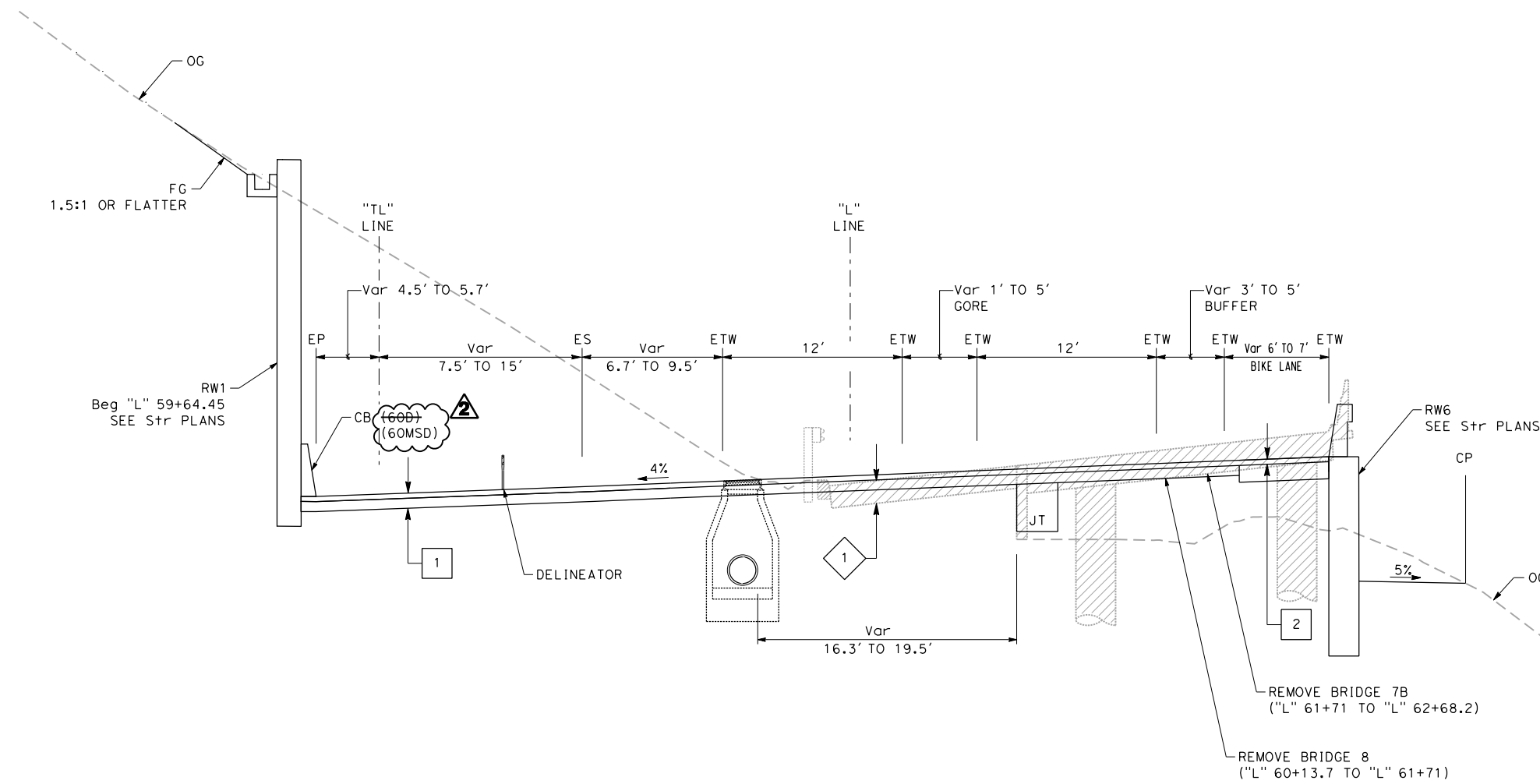


"L" 56+68 TO "L" 58+58  
**TREASURE ISLAND ROAD**

"L" 58+58 TO "L" 59+15  
**TREASURE ISLAND ROAD**

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

DESIGNED BY: S. DWYER			9-26-22 PLANS SUBMITTAL DATE				USERNAME => sdwyer
DRAWN BY: S. DWYER							CADD FILENAME => YB1Sca001.dgn
CHECKED BY: D. DICKINSON							CONTRACT NO.
APPROVED BY: D. DICKINSON							<table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td><b>X-1</b></td> <td><b>2</b></td> <td><b>282</b></td> </tr> </table>
SHEET NAME	SHEET NO.	TOTAL SHEETS					
<b>X-1</b>	<b>2</b>	<b>282</b>					
PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		RELATIVE BORDER SCALE IS IN INCHES 		<b>CONFORMED BID SET</b>		LAST REVISION 9-26-22	DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:05:20 AM
BORDER LAST REVISED 9/21/2022							



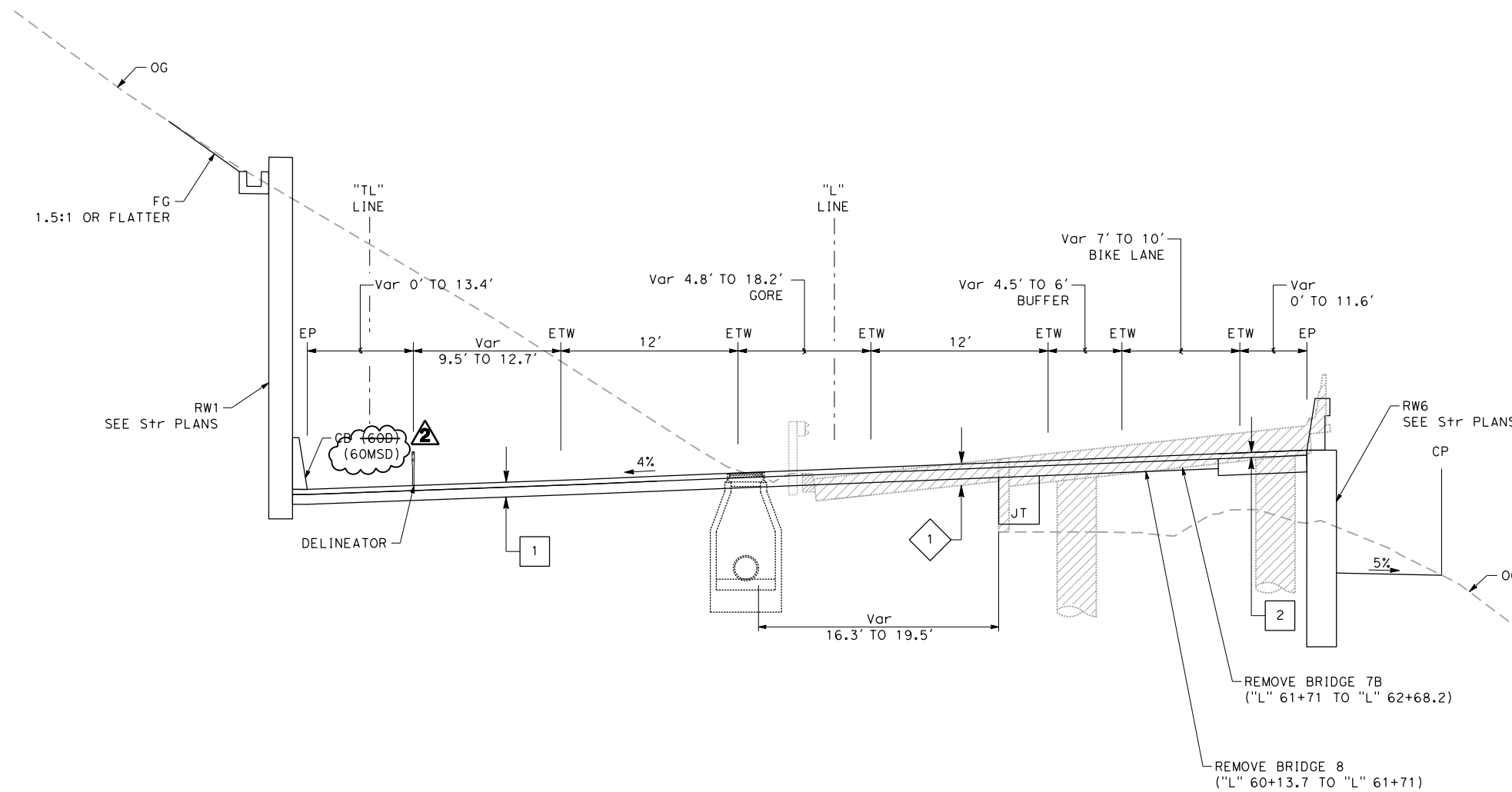
"L" 59+15 TO "L" 60+23  
**TREASURE ISLAND ROAD**

FOR NOTES, ABBREVIATIONS  
AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

REVISIONS	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER PLANS APPROVAL DATE	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
	DRAWN BY: S. DWYER												CADD FILENAME => YB1Sc002.ADD.dgn	
	CHECKED BY: D. DICKINSON												CONTRACT NO.	
	APPROVED BY: D. DICKINSON													
YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION		<table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td><b>X-2</b></td> <td><b>3</b></td> <td><b>282</b></td> </tr> </table>							SHEET NAME	SHEET NO.	TOTAL SHEETS	<b>X-2</b>	<b>3</b>	<b>282</b>
SHEET NAME	SHEET NO.	TOTAL SHEETS												
<b>X-2</b>	<b>3</b>	<b>282</b>												
BORDER LAST REVISED 9/21/2022		RELATIVE BORDER SCALE IS IN INCHES					<b>CONFORMED BID SET</b>		LAST REVISION 12-1-22 DATE PLOTTED => 12/2/2022 TIME PLOTTED => 4:28:27 PM					

C:\Users\scawyer\Desktop\YB1\Refined Plans\YB1Sc002\_ADD.dgn



"L" 60+23 TO "L" 62+76.6  
**TREASURE ISLAND ROAD**

FOR NOTES, ABBREVIATIONS  
 AND LEGEND, SEE SHEET X-1

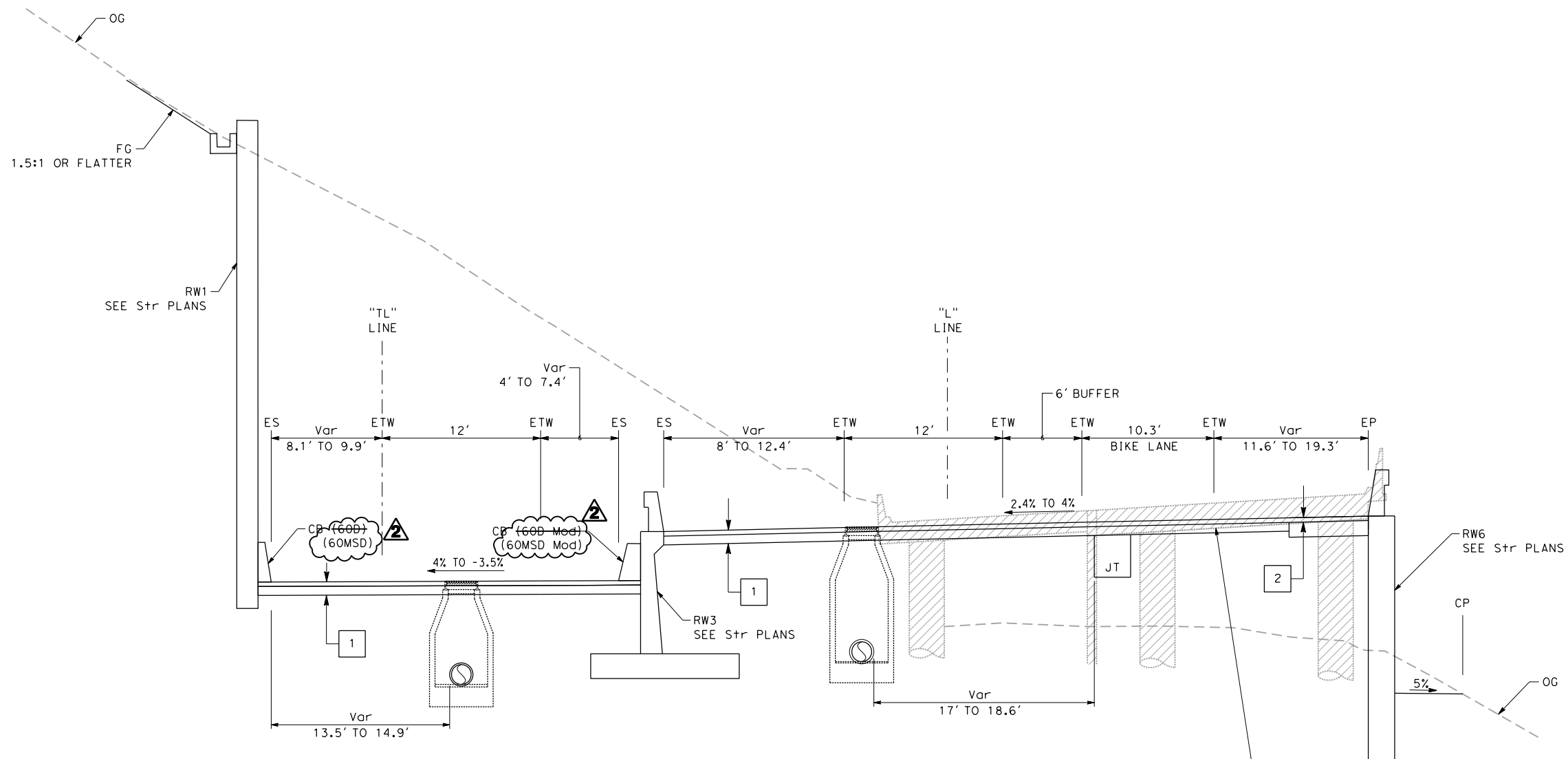
**TYPICAL CROSS SECTIONS**  
 SCALE: 1" = 5'

REVISIONS	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer		
	DRAWN BY: S. DWYER							CONTRACT NO.		
	CHECKED BY: D. DICKINSON							SHEET NAME	SHEET NO.	TOTAL SHEETS
	APPROVED BY: D. DICKINSON							<b>X-3</b>	<b>4</b>	<b>282</b>
PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		PLANS APPROVAL DATE		RELATIVE BORDER SCALE IS IN INCHES				LAST REVISION 12-1-22	DATE PLOTTED => 12/2/2022 TIME PLOTTED => 4:27:33 PM	

**CONFORMED BID SET**

C:\Users\sdwyer\Desktop\YBI\Refined Plans\YBI\Sc003\_ADD.dgn





"TL" 62+59.7 TO "TL" 65+22.6  
**I-80 EB OFF-RAMP**

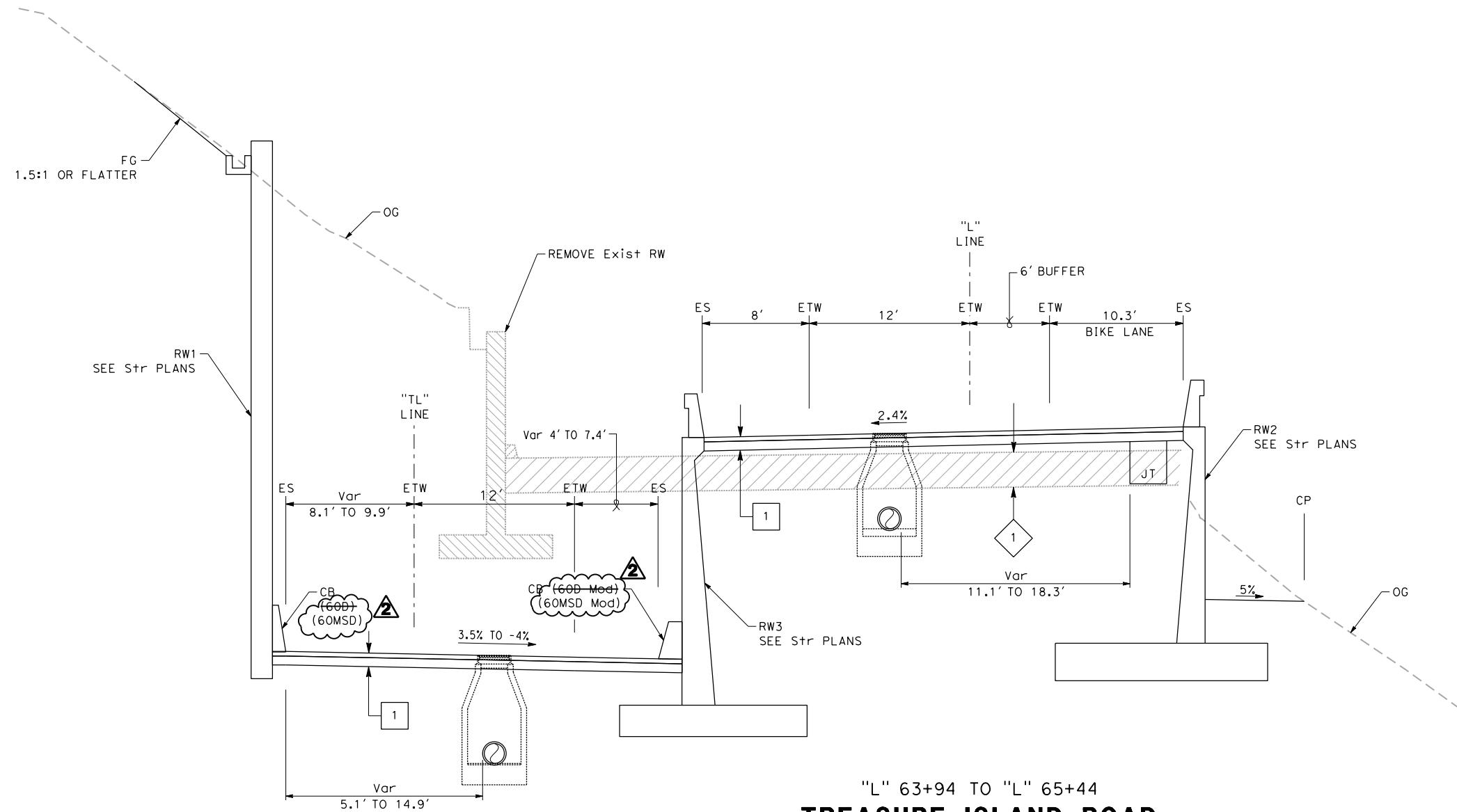
"L" 62+76.6 TO "L" 63+94  
**TREASURE ISLAND ROAD**

REMOVE BRIDGE 5  
 ("L" 62+77.5 TO "L" 63+42.6)

FOR NOTES, ABBREVIATIONS  
 AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
 SCALE: 1" = 5'

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
			DRAWN BY: S. DWYER												CADD FILENAME => YBISca004.ADD.dgn	
			CHECKED BY: D. DICKINSON													CONTRACT NO.
			APPROVED BY: D. DICKINSON													
BORDER LAST REVISED 9/21/2022			RELATIVE BORDER SCALE IS IN INCHES				<b>CONFORMED BID SET</b>			SHEET NAME <b>X-4</b>	SHEET NO. <b>5</b>	TOTAL SHEETS <b>282</b>				
										LAST REVISION 12-1-22	DATE PLOTTED => 12/2/2022 TIME PLOTTED => 4:26:37 PM					



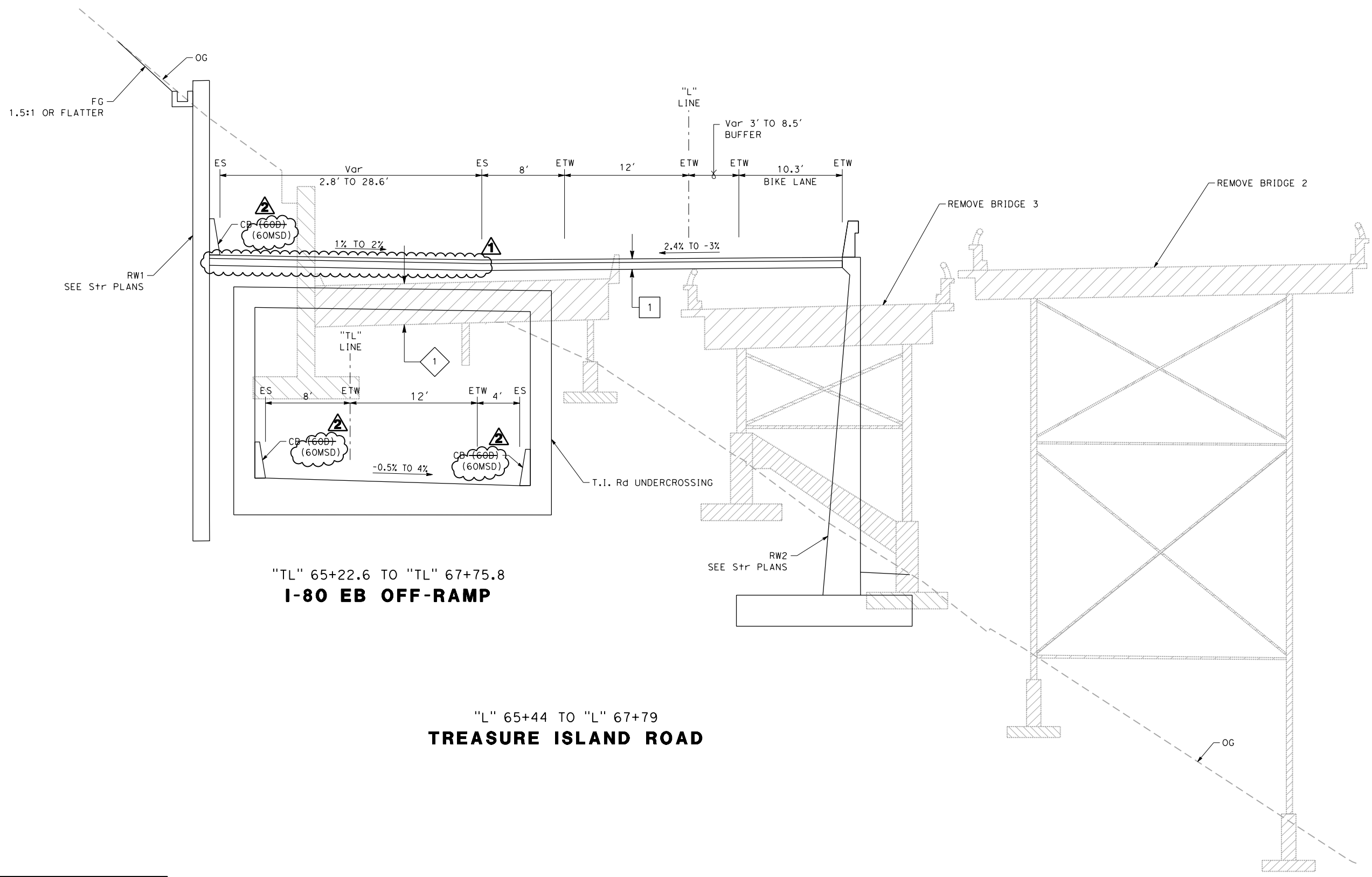
"L" 63+94 TO "L" 65+44  
TREASURE ISLAND ROAD

"TL" 62+59.7 TO "TL" 65+22.6  
I-80 EB OFF-RAMP

FOR NOTES, ABBREVIATIONS  
AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
			DRAWN BY: S. DWYER												CADD FILENAME => YBISca005.ADD.dgn	
			CHECKED BY: D. DICKINSON													CONTRACT NO.
			APPROVED BY: D. DICKINSON													
BORDER LAST REVISED 9/21/2022			RELATIVE BORDER SCALE IS IN INCHES				<b>CONFORMED BID SET</b>			SHEET NAME <b>X-5</b>	SHEET NO. <b>6</b>	TOTAL SHEETS <b>282</b>				
										LAST REVISION 12-1-22	DATE PLOTTED => 12/2/2022 TIME PLOTTED => 4:31:36 PM					



"TL" 65+22.6 TO "TL" 67+75.8  
**I-80 EB OFF-RAMP**

"L" 65+44 TO "L" 67+79  
**TREASURE ISLAND ROAD**

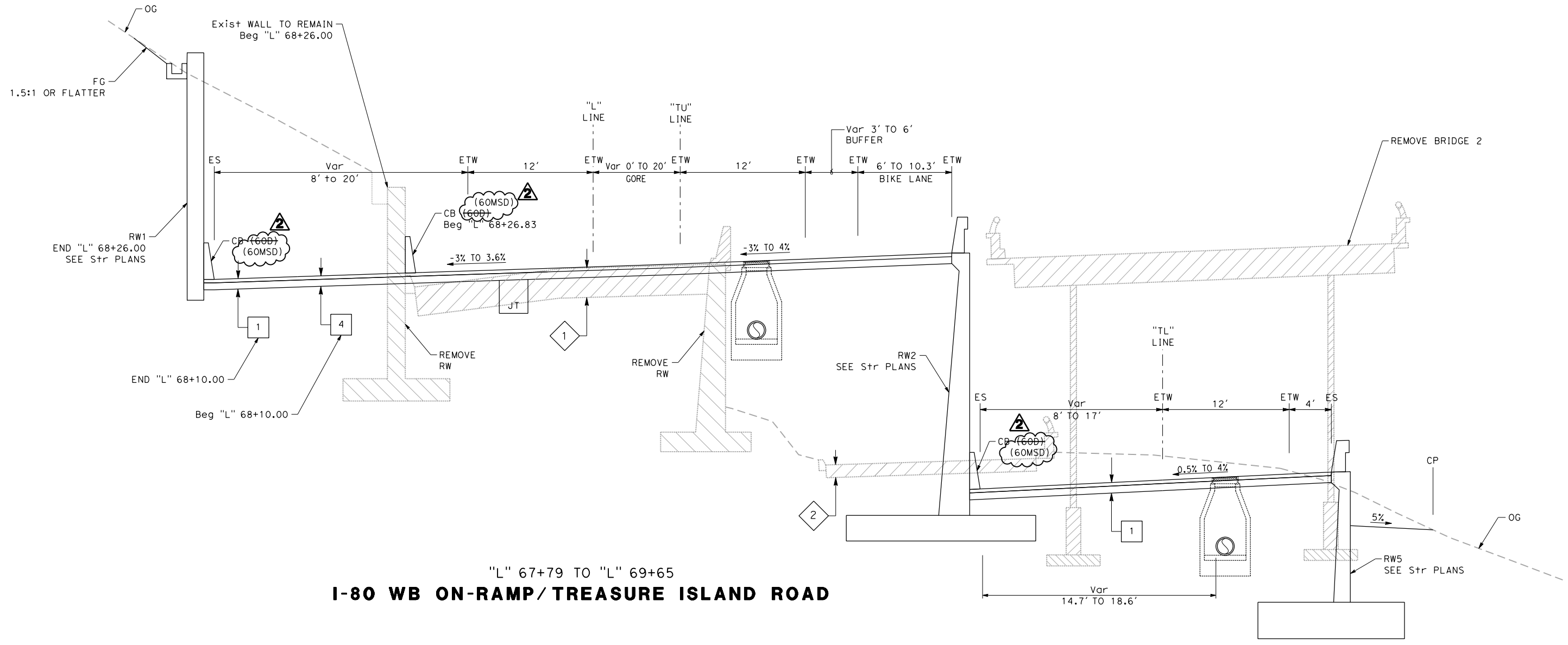
**TYPICAL CROSS SECTIONS**  
 SCALE: 1" = 5'

FOR NOTES, ABBREVIATIONS  
 AND LEGEND, SEE SHEET X-1

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
			DRAWN BY: S. DWYER												CADD FILENAME => YB1Sc006.ADD.dgn	
			CHECKED BY: D. DICKINSON													CONTRACT NO.
			APPROVED BY: D. DICKINSON													
BORDER LAST REVISED 9/21/2022			RELATIVE BORDER SCALE IS IN INCHES				<b>CONFORMED BID SET</b>			SHEET NAME <b>X-6</b>	SHEET NO. <b>7</b>	TOTAL SHEETS <b>282</b>				
										LAST REVISION 12-1-22	DATE PLOTTED => 12/2/2022 TIME PLOTTED => 4:35:33 PM					

C:\Users\sdwyer\Desktop\YB1\Refined Plans\YB1Sc006\_ADD.dgn





"L" 67+79 TO "L" 69+65  
**I-80 WB ON-RAMP/TREASURE ISLAND ROAD**

"TL" 67+75.8 TO "TL" 68+85.2  
**I-80 EB OFF-RAMP**

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

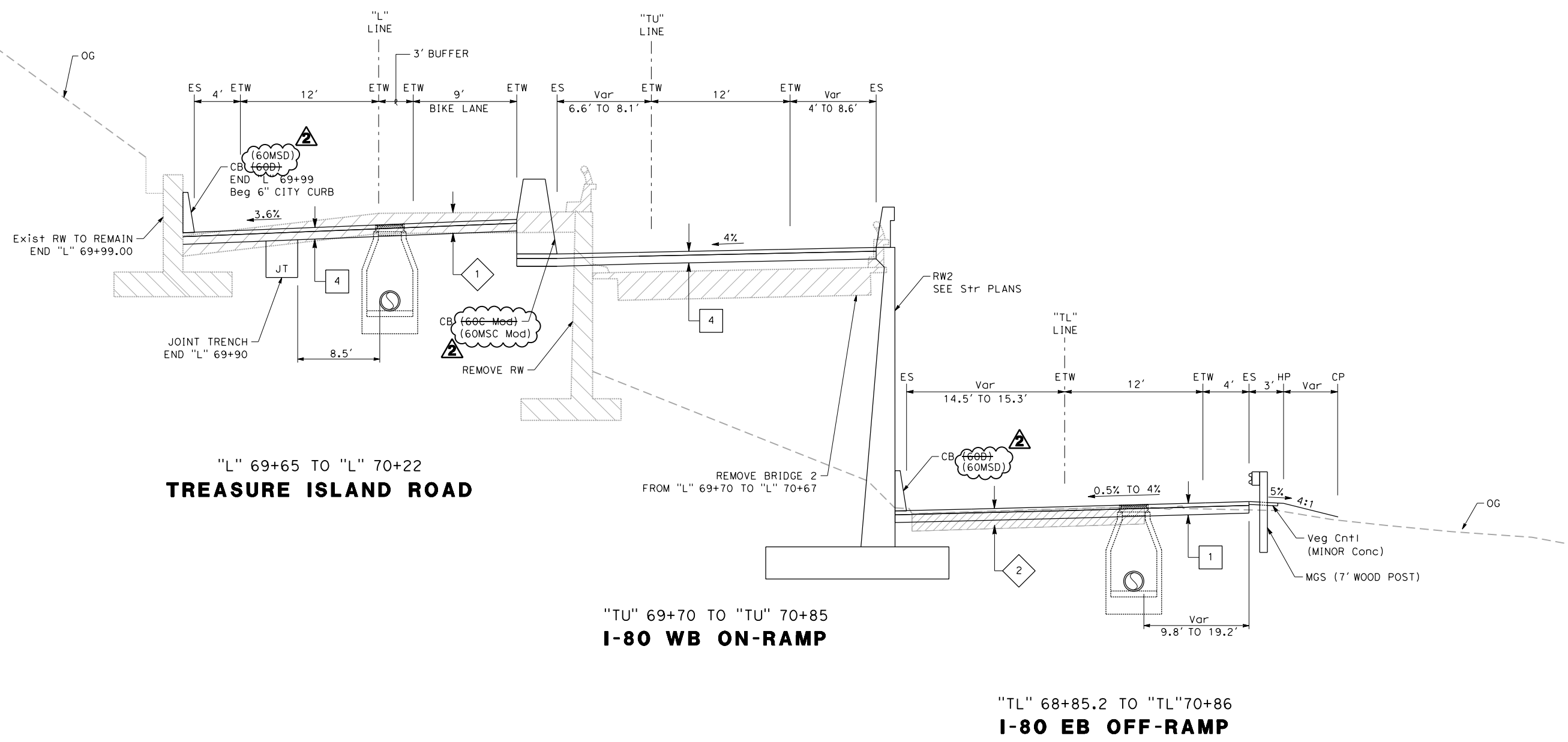
**TYPICAL CROSS SECTIONS**  
 SCALE: 1" = 5'

REVISOR	DATE	DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON		REGISTERED CIVIL ENGINEER PLANS APPROVAL DATE	9-26-22 PLANS SUBMITTAL DATE	1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer
									CADD FILENAME => YB1Sc007.ADD.dgn
									CONTRACT NO.
PROJECT DESCRIPTION		YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		SHEET NAME: <b>X-7</b> SHEET NO.: <b>8</b> TOTAL SHEETS: <b>282</b>		LAST REVISION: 12-1-22    DATE PLOTTED => 12/2/2022 TIME PLOTTED => 4:40:14 PM			

BORDER LAST REVISED 9/21/2022



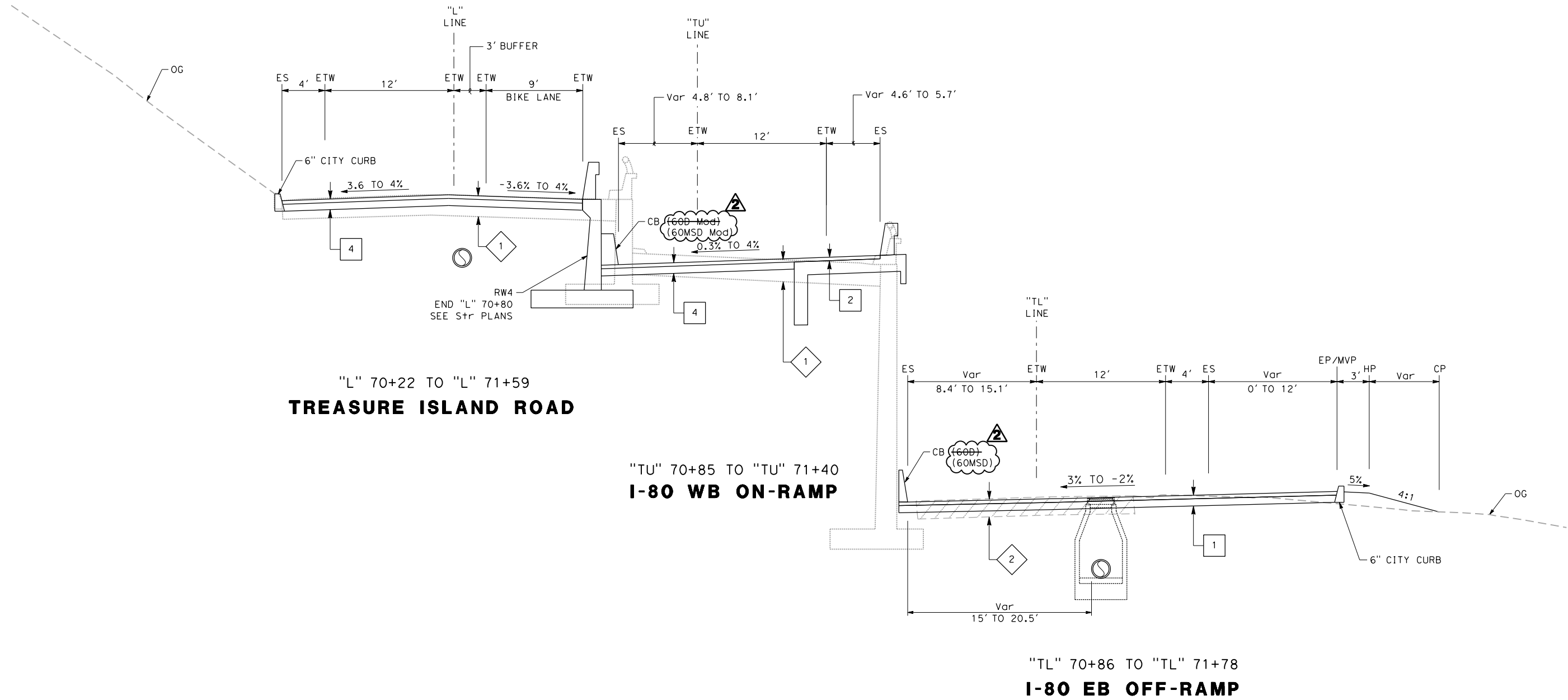
**CONFORMED BID SET**



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

REVISOR	DATE	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
		DRAWN BY: S. DWYER												CADD FILENAME => YBISca008.ADD.dgn	
		CHECKED BY: D. DICKINSON													CONTRACT NO.
		APPROVED BY: D. DICKINSON													
PROJECT DESCRIPTION		YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		PLANS APPROVAL DATE											
BORDER LAST REVISED 9/21/2022		RELATIVE BORDER SCALE IS IN INCHES		0 1 2 3		CONFORMED BID SET		SHEET NAME SHEET NO. TOTAL SHEETS <b>X-8 9 282</b>							
								LAST REVISION DATE PLOTTED => 12/2/2022 12-1-22 TIME PLOTTED => 7:33:11 PM							

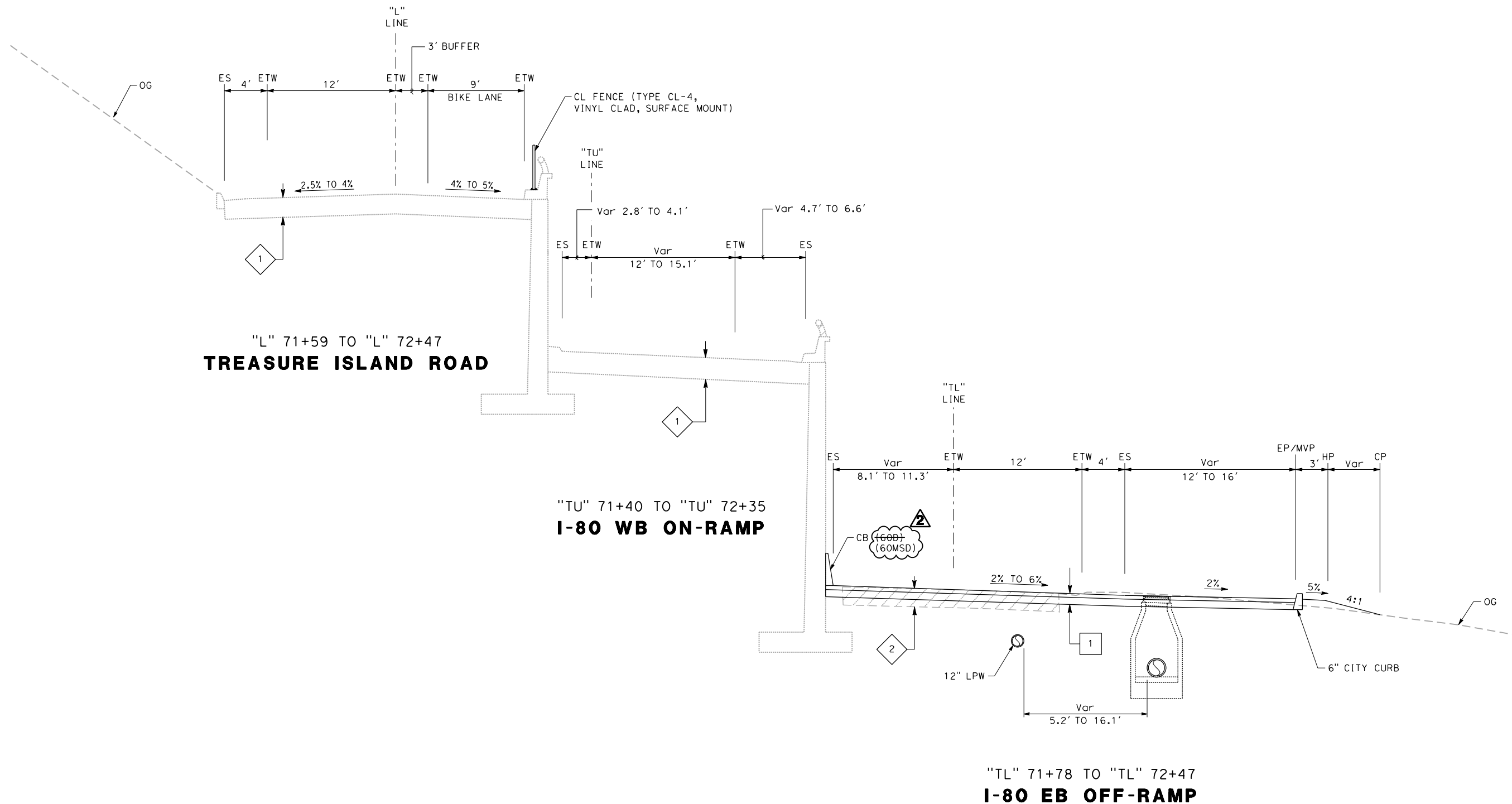


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

REVISIONS	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer
	DRAWN BY: S. DWYER							CONTRACT NO.
	CHECKED BY: D. DICKINSON							SHEET NAME
	APPROVED BY: D. DICKINSON							SHEET NO.
								TOTAL SHEETS
								<b>X-9</b>
								<b>10</b>
								<b>282</b>
BORDER LAST REVISED 9/21/2022		RELATIVE BORDER SCALE IS IN INCHES						LAST REVISION
								DATE PLOTTED => 12/2/2022
								TIME PLOTTED => 4:54:27 PM

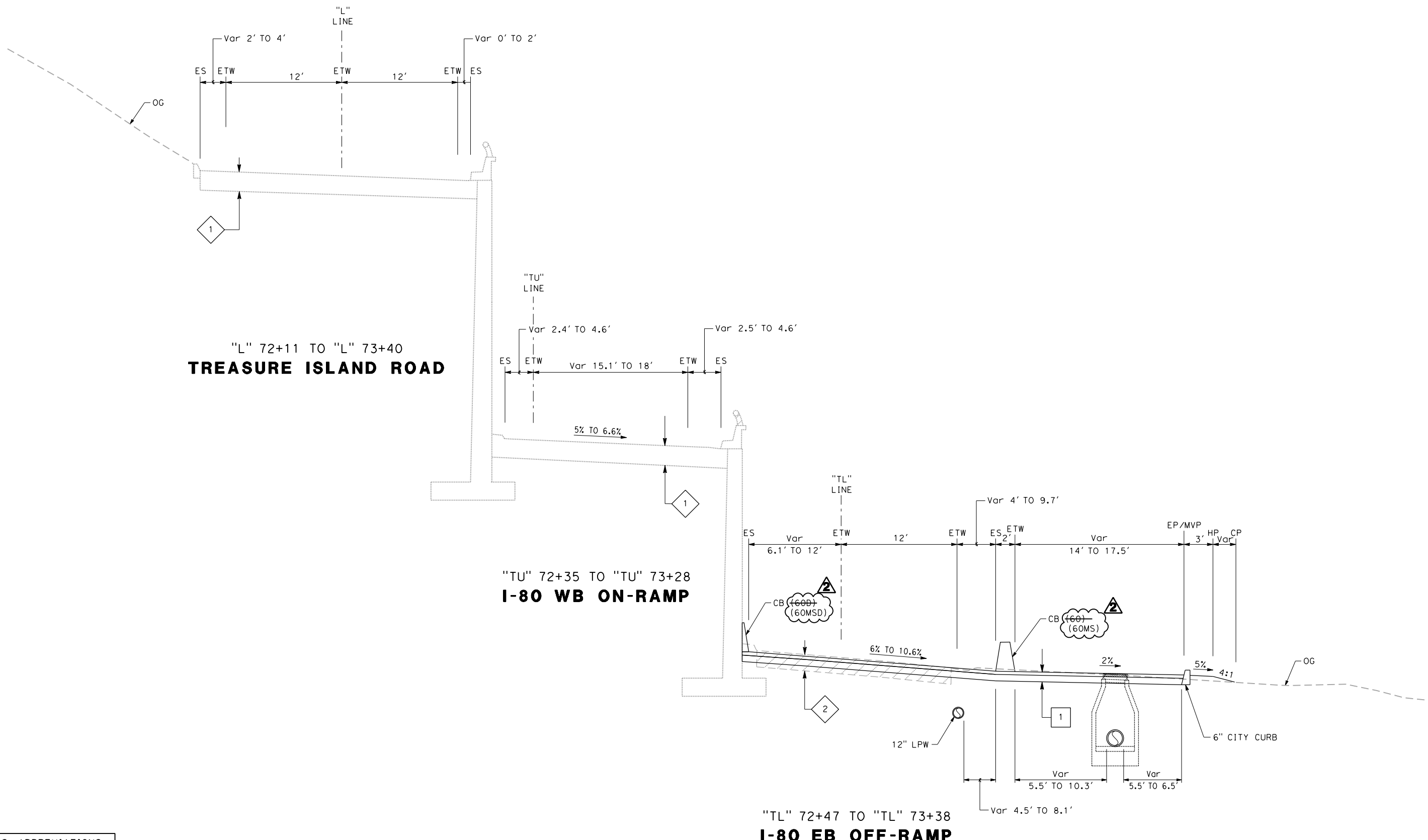




FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer
			DRAWN BY: S. DWYER							CADD FILENAME => YB1Sca010.ADD.dgn
			CHECKED BY: D. DICKINSON							CONTRACT NO.
			APPROVED BY: D. DICKINSON							<table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td><b>X-10</b></td> <td><b>11</b></td> <td><b>282</b></td> </tr> </table>
SHEET NAME	SHEET NO.	TOTAL SHEETS								
<b>X-10</b>	<b>11</b>	<b>282</b>								
BORDER LAST REVISED 9/21/2022		RELATIVE BORDER SCALE IS IN INCHES		<b>CONFORMED BID SET</b>		LAST REVISION 12-1-22 DATE PLOTTED => 12/2/2022 TIME PLOTTED => 4:56:15 PM				



"L" 72+11 TO "L" 73+40  
**TREASURE ISLAND ROAD**

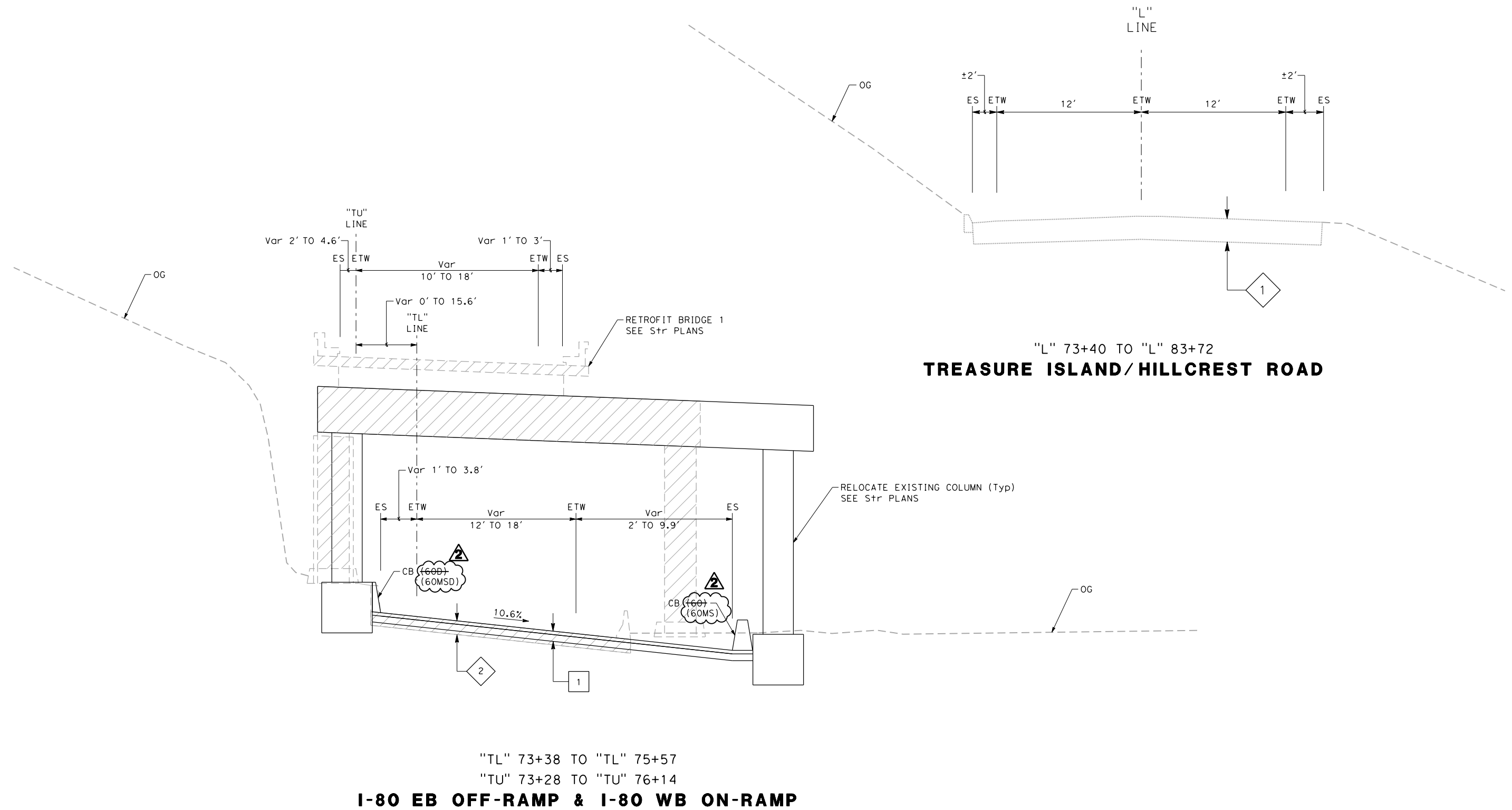
"TU" 72+35 TO "TU" 73+28  
**I-80 WB ON-RAMP**

"TL" 72+47 TO "TL" 73+38  
**I-80 EB OFF-RAMP**

**TYPICAL CROSS SECTIONS**  
SCALE: 1" = 5'

FOR NOTES, ABBREVIATIONS  
AND LEGEND, SEE SHEET X-1

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT	DESIGNED BY: S. DWYER			9-26-22 PLANS SUBMITTAL DATE				USERNAME => sdwyer								
			DRAWN BY: S. DWYER							REGISTERED CIVIL ENGINEER	1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com	CADD FILENAME => YBISca011.ADD.dgn						
		PROJECT DESCRIPTION	CHECKED BY: D. DICKINSON			PLANS APPROVAL DATE				CONTRACT NO.								
			APPROVED BY: D. DICKINSON															
BORDER LAST REVISED 9/21/2022										RELATIVE BORDER SCALE IS IN INCHES								
										0 1 2 3								
										CONFORMED BID SET								
										<table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>X-11</td> <td>12</td> <td>282</td> </tr> </table>	SHEET NAME	SHEET NO.	TOTAL SHEETS	X-11	12	282		
SHEET NAME	SHEET NO.	TOTAL SHEETS																
X-11	12	282																
										<table border="1"> <tr> <td>LAST REVISION</td> <td>DATE PLOTTED =&gt;</td> </tr> <tr> <td>12-1-22</td> <td>12/2/2022</td> </tr> <tr> <td></td> <td>TIME PLOTTED =&gt;</td> </tr> <tr> <td></td> <td>4:58:59 PM</td> </tr> </table>	LAST REVISION	DATE PLOTTED =>	12-1-22	12/2/2022		TIME PLOTTED =>		4:58:59 PM
LAST REVISION	DATE PLOTTED =>																	
12-1-22	12/2/2022																	
	TIME PLOTTED =>																	
	4:58:59 PM																	



"L" 73+40 TO "L" 83+72  
**TREASURE ISLAND/HILLCREST ROAD**

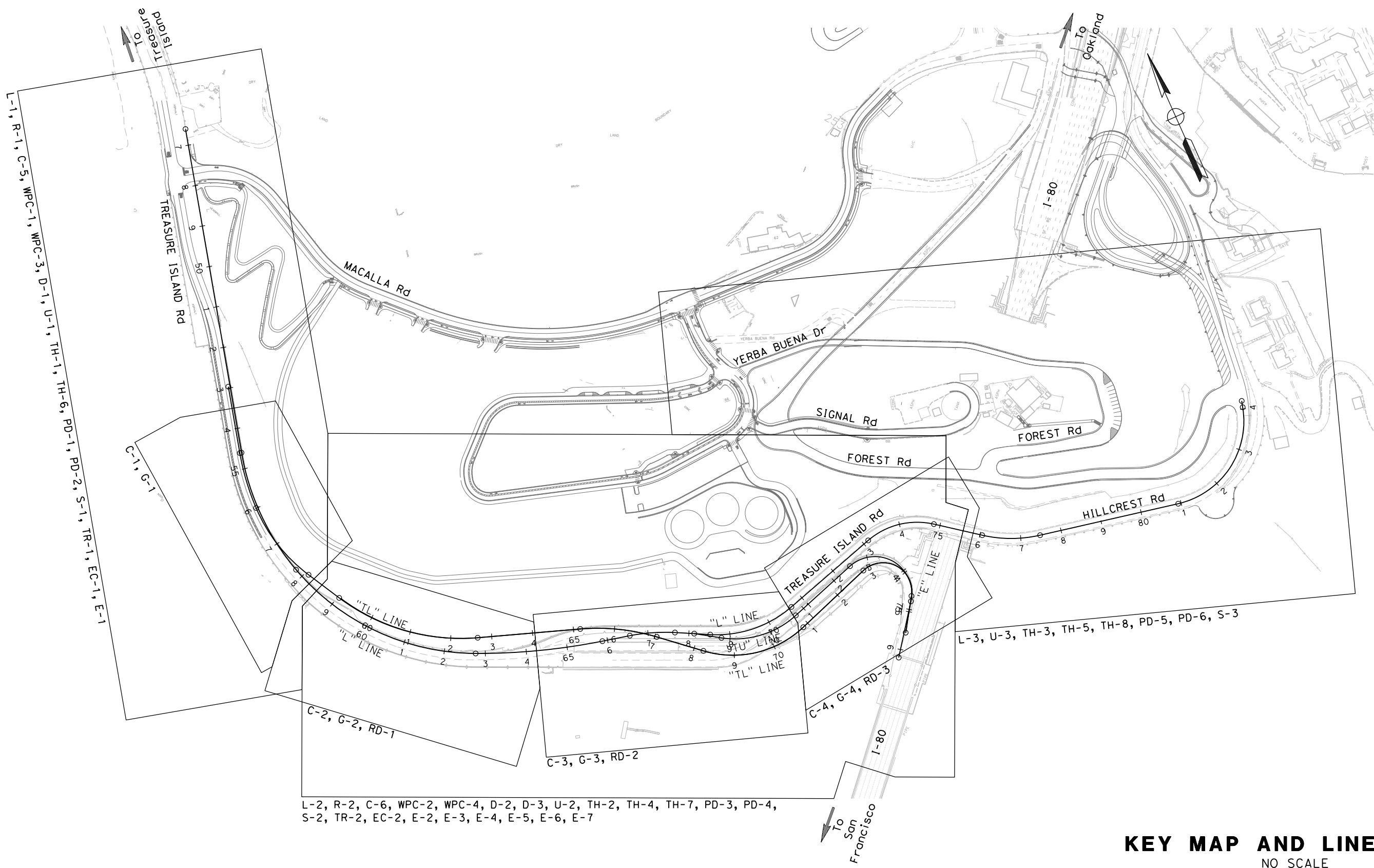
"TL" 73+38 TO "TL" 75+57  
 "TU" 73+28 TO "TU" 76+14  
**I-80 EB OFF-RAMP & I-80 WB ON-RAMP**

FOR NOTES, ABBREVIATIONS  
 AND LEGEND, SEE SHEET X-1

**TYPICAL CROSS SECTIONS**  
 SCALE: 1" = 5'

REVISIONS	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer
DATE REVISION	DRAWN BY: S. DWYER							CONTRACT NO.
PROJECT DESCRIPTION	CHECKED BY: D. DICKINSON	PLANS APPROVAL DATE		WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				SHEET NAME
	APPROVED BY: D. DICKINSON							SHEET NO.
BORDER LAST REVISED 9/21/2022		RELATIVE BORDER SCALE IS IN INCHES		0 1 2 3				TOTAL SHEETS
								<b>X-12 13 282</b>
					<b>CONFORMED BID SET</b>			LAST REVISION
								DATE PLOTTED => 12/2/2022 TIME PLOTTED => 5:00:50 PM



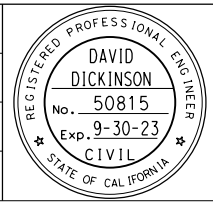


L-2, R-2, C-6, WPC-2, WPC-4, D-2, D-3, U-2, TH-2, TH-4, TH-7, PD-3, PD-4, S-2, TR-2, EC-2, E-2, E-3, E-4, E-5, E-6, E-7

**KEY MAP AND LINE INDEX**  
NO SCALE

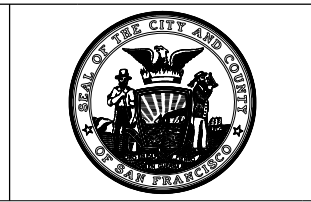
REVISOR	DATE	DESCRIPTION

DESIGNED BY:  
S. DWYER  
DRAWN BY:  
S. DWYER  
CHECKED BY:  
D. DICKINSON  
APPROVED BY:  
D. DICKINSON



*Del 4. 22*  
REGISTERED CIVIL ENGINEER  
9-26-22  
PLANS SUBMITTAL DATE  
PLANS APPROVAL DATE  
*WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

**WMH**  
1111 BROADWAY, SUITE 300  
OAKLAND, CA 94607  
(510) 698-6300 (PHONE)  
(510) 444-2450 (FAX)  
www.wmhcorporation.com



USERNAME => sdwyer		
CADD FILENAME => YBISda001.dgn		
CONTRACT NO.		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>K-1</b>	<b>14</b>	<b>282</b>
LAST REVISION	DATE PLOTTED => 9/27/2022	
9-26-22	TIME PLOTTED => 6:05:40 AM	

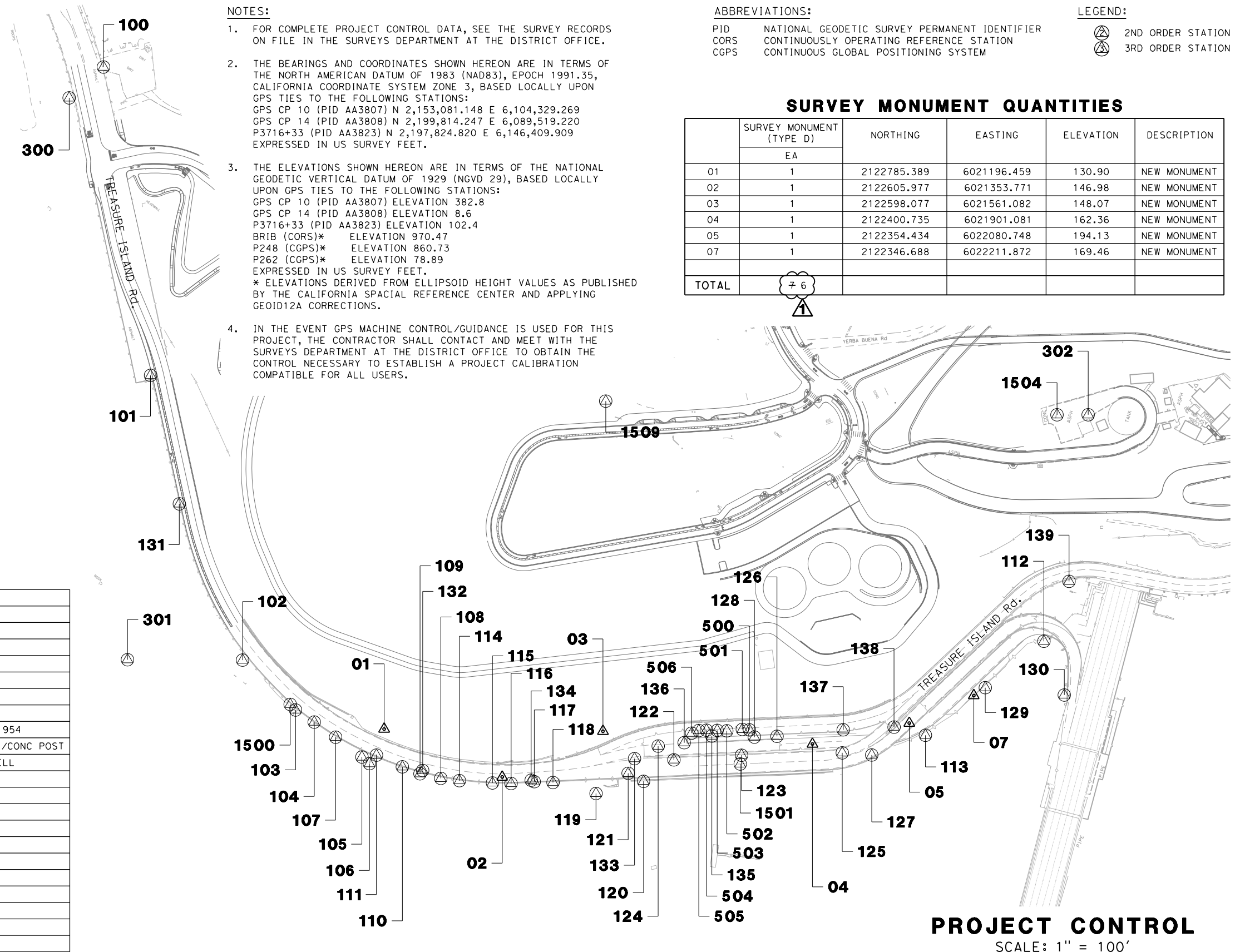
BORDER LAST REVISED 9/21/2022



**CONFORMED BID SET**

# CONTROL FOR DESIGN AND CONSTRUCTION

STATION DESIGNATION	ORDER	COORDINATES		ELEVATION	DESCRIPTION
		NORTHING	EASTING		
100	x	2124130.818	6021281.951	52.49	CP/MAG + FLAG
101	x	2123574.946	6021100.870	83.74	CP/MAG + FLAG
102	x	2123021.010	6021015.972	114.83	CP
103	x	2122892.547	6021063.681	123.24	CP
104	x	2122855.856	6021085.217	107.58	CP/HUB & MAG
105	x	2122757.236	6021135.770	122.80	CP/HUB & MAG
106	x	2122739.896	6021142.700	120.05	CP/REBAR & CAP
107	x	2122812.595	6021108.305	98.83	CP/60 NAIL
108	x	2122655.202	6021249.768	133.25	CP/REBAR & CAP
109	x	2122680.445	6021218.878	129.48	CP/HUB & PUNCH
110	x	2122706.804	6021195.116	125.95	CP/HUB & PUNCH
111	x	2122748.167	6021161.620	124.93	CP/HUB & PUNCH
112	x	2122379.706	6022373.367	156.03	CP
113	x	2122321.399	6022097.057	171.99	CP/SET REBAR + CAP
114	x	2122635.715	6021279.052	135.40	CP/REBAR & CAP
115	x	2122604.231	6021332.473	139.46	CP/REBAR & CAP
116	x	2122587.702	6021363.173	141.83	CP/60 NAIL
117	x	2122571.168	6021403.475	133.56	CP/HUB & PUNCH
118	x	2122554.194	6021434.200	146.28	CP/HUB & PUNCH
119	x	2122500.320	6021496.477	147.64	CP/REBAR & CAP
120	x	2122480.176	6021586.963	133.82	CP/REBAR & CAP
121	x	2122506.468	6021567.777	144.88	CP/REBAR & CAP
122	x	2122490.582	6021655.669	134.89	CP/SCRIBE
123	x	2122441.619	6021772.865	134.46	CP/SCRIBE
124	x	2122526.822	6021640.947	156.91	CP/MAG NAIL
125	x	2122361.027	6021943.576	169.91	CP/REBAR & CAP
126	x	2122443.464	6021848.005	168.28	CP/SCRIBE
127	x	2122332.716	6021990.952	170.77	CP/WP/HUB & PUNCH
128	x	2122461.161	6021809.671	160.99	CP/SCRIBE
129	x	2122350.922	6022237.223	167.63	CP/REBAR & CAP
130	x	2122272.139	6022363.267	148.69	CP/REBAR & CAP
131	x	2123335.132	6021041.907	95.71	CP/REBAR & CAP
132	x	2122683.716	6021226.187	139.68	CP/MAG
133	x	2122525.743	6021590.923	163.35	CP/SCRIBE
134	x	2122576.346	6021399.727	152.60	CP/MAG
135	x	2122498.760	6021739.386	171.90	CP/MAG
136	x	2122510.737	6021687.376	169.12	CP/SURVEY MARK
137	x	2122399.641	6021964.096	187.80	CP/MAG
138	x	2122360.626	6022051.909	195.12	CP/SCRIBE
139	x	2122459.119	6022465.980	222.97	CP/1" IP/CALTRANS PLUG
300	x	2124107.935	6021198.593	54.82	FM/USCGS 3.5" BD/SOFT 1954
301	x	2123117.631	6020824.269	90.05	FM/GOAT/3.5" USCGS DISK/CONC POST
302	x	2122721.860	6022637.709	339.75	FM/GRANITE/2.75 DISK/WELL
500	x	2122477.497	6021807.389	166.61	WP/STRUCT 6
501	x	2122484.170	6021795.845	166.38	WP/STRUCT 6
502	x	2122494.804	6021768.688	164.63	WP/STRUCT 6
503	x	2122503.711	6021752.986	165.00	WP/STRUCT 6
504	x	2122512.902	6021735.231	165.00	WP/STRUCT 6
505	x	2122518.831	6021721.971	164.53	WP/STRUCT 6
506	x	2122520.450	6021707.940	162.48	WP/STRUCT 6
1500	x	2122906.290	6021059.192	122.13	AT
1501	x	2122428.074	6021763.407	175.66	AT
1504	x	2122748.203	6022585.713	341.17	AT
1509	x	2123149.406	6021842.191	280.46	AT



- NOTES:**
- FOR COMPLETE PROJECT CONTROL DATA, SEE THE SURVEY RECORDS ON FILE IN THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE.
  - THE BEARINGS AND COORDINATES SHOWN HEREON ARE IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), EPOCH 1991.35, CALIFORNIA COORDINATE SYSTEM ZONE 3, BASED LOCALLY UPON GPS TIES TO THE FOLLOWING STATIONS:  
GPS CP 10 (PID AA3807) N 2,153,081.148 E 6,104,329.269  
GPS CP 14 (PID AA3808) N 2,199,814.247 E 6,089,519.220  
P3716+33 (PID AA3823) N 2,197,824.820 E 6,146,409.909 EXPRESSED IN US SURVEY FEET.
  - THE ELEVATIONS SHOWN HEREON ARE IN TERMS OF THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29), BASED LOCALLY UPON GPS TIES TO THE FOLLOWING STATIONS:  
GPS CP 10 (PID AA3807) ELEVATION 382.8  
GPS CP 14 (PID AA3808) ELEVATION 8.6  
P3716+33 (PID AA3823) ELEVATION 102.4  
BRIB (CORS)\* ELEVATION 970.47  
P248 (CGPS)\* ELEVATION 860.73  
P262 (CGPS)\* ELEVATION 78.89  
EXPRESSED IN US SURVEY FEET.  
\* ELEVATIONS DERIVED FROM ELLIPSOID HEIGHT VALUES AS PUBLISHED BY THE CALIFORNIA SPACIAL REFERENCE CENTER AND APPLYING GEOID12A CORRECTIONS.
  - IN THE EVENT GPS MACHINE CONTROL/GUIDANCE IS USED FOR THIS PROJECT, THE CONTRACTOR SHALL CONTACT AND MEET WITH THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE TO OBTAIN THE CONTROL NECESSARY TO ESTABLISH A PROJECT CALIBRATION COMPATIBLE FOR ALL USERS.

**ABBREVIATIONS:**  
 PID NATIONAL GEODETIC SURVEY PERMANENT IDENTIFIER  
 CORS CONTINUOUSLY OPERATING REFERENCE STATION  
 CGPS CONTINUOUS GLOBAL POSITIONING SYSTEM

**LEGEND:**  
 2ND ORDER STATION  
 3RD ORDER STATION

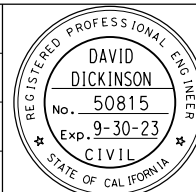
**SURVEY MONUMENT QUANTITIES**

	SURVEY MONUMENT (TYPE D)	NORTHING	EASTING	ELEVATION	DESCRIPTION
01	1	2122785.389	6021196.459	130.90	NEW MONUMENT
02	1	2122605.977	6021353.771	146.98	NEW MONUMENT
03	1	2122598.077	6021561.082	148.07	NEW MONUMENT
04	1	2122400.735	6021901.081	162.36	NEW MONUMENT
05	1	2122354.434	6022080.748	194.13	NEW MONUMENT
07	1	2122346.688	6022211.872	169.46	NEW MONUMENT
<b>TOTAL</b>	<b>7</b>				

C:\Users\sdwyer\Desktop\YB1\Refined\Plans\YB1\Sc001\_ADD.dgn

REVISED BY	DATE REVISED	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION

DESIGNED BY:  
S. DWYER  
 DRAWN BY:  
S. DWYER  
 CHECKED BY:  
D. DICKINSON  
 APPROVED BY:  
D. DICKINSON



REGISTERED CIVIL ENGINEER  
 9-26-22  
 PLANS SUBMITTAL DATE  
 PLANS APPROVAL DATE

1111 BROADWAY, SUITE 300  
 OAKLAND, CA 94607  
 (510) 698-6300 (PHONE)  
 (510) 444-2450 (FAX)  
 www.wmhcorporation.com



USERNAME => sdwyer		
CADD FILENAME => YB1Sc001_ADD.dgn		
CONTRACT NO.		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>DC-1</b>	<b>15</b>	<b>282</b>
LAST REVISION	DATE PLOTTED => 12/2/2022	
11-7-22	TIME PLOTTED => 5:19:01 PM	



**CONFORMED BID SET**



**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
- SEE PROJECT CONTROL SHEET FOR THE BASIS OF THE HORIZONTAL CONTROLS.
- ALL SURVEY MONUMENT LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- ALL CURB LOCATIONS ARE CALLED AT THE FLOWLINE OF CURB.
- SEE CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL LAYOUT INFORMATION AND DETAILS NOT SHOWN.
- SEE STRUCTURE PLANS FOR BRIDGE 1 RETROFIT, BRIDGE 1 COLUMN RELOCATION, RETAINING WALLS, AND TREASURE ISLAND ROAD UNDERCROSSING.
- FOR PAVEMENT STRUCTURAL SECTIONS SEE TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAIL SHEETS.

**RECOMMENDED DESIGN CRITERIA:**

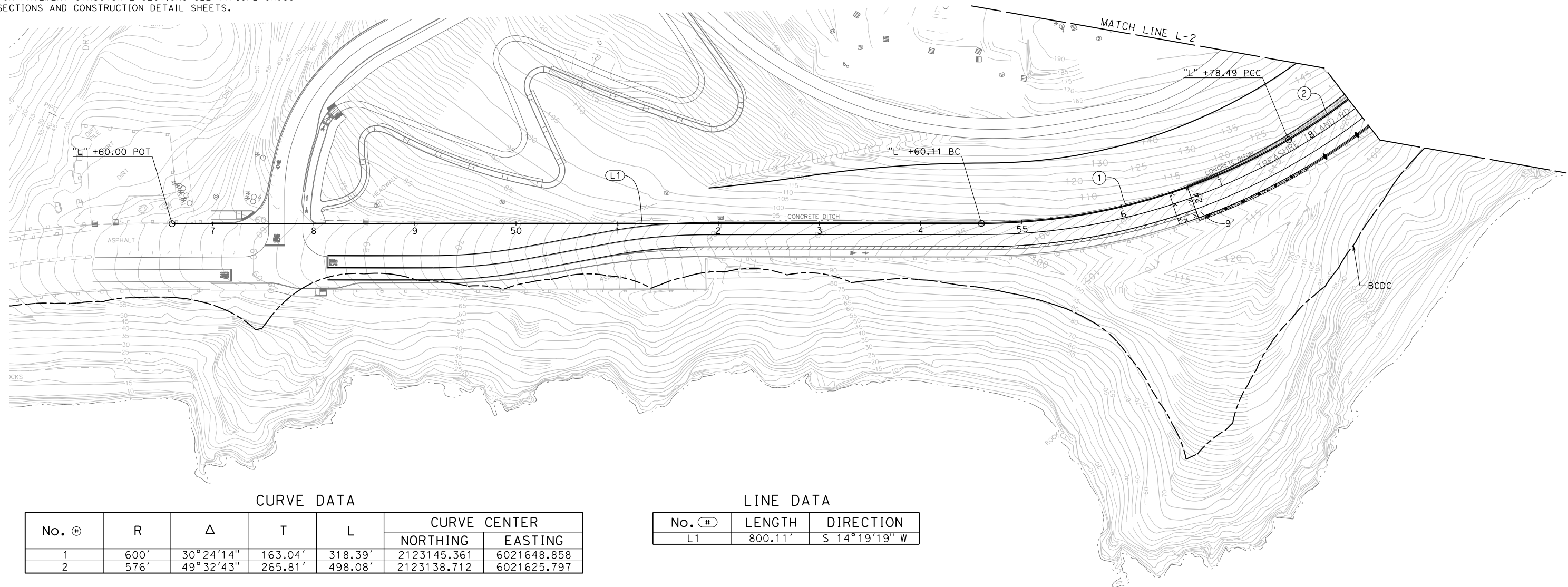
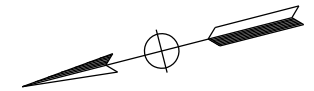
- MIX OF AASHTO URBAN ARTERIAL AND RURAL ARTERIAL STDS
- DESIGN SPEED: 30 MPH
- POSTED SPEED: 25 MPH
- MAXIMUM GRADE: 9%
- MAXIMUM SUPERELEVATION ( $E_{max}$ ): 4%
- SUPERELEVATION RUNOFF LENGTH: 73' (4%), 36' (2%)
- RUNOFF LOCATION PRIOR TO CURVES: 80% (50% TO 90% ACCEPTABLE)

**LEGEND:**

- ⊕ CURVE DATA
- Ⓛ LINE DATA
- △ SURVEY MONUMENT

**ABBREVIATIONS:**

- UC UNDERCROSSING
- S+R STRUCTURE
- T.I. TREASURE ISLAND
- Br BRIDGE
- MVP MAINTENANCE VEHICLE PULLOUT
- CRB CONCRETE RETAINING BARRIER



**CURVE DATA**

No. ⊕	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
1	600'	30° 24' 14"	163.04'	318.39'	2123145.361	6021648.858
2	576'	49° 32' 43"	265.81'	498.08'	2123138.712	6021625.797

**LINE DATA**

No. ⊕	LENGTH	DIRECTION
L1	800.11'	S 14° 19' 19" W

**LAYOUT**  
SCALE: 1" = 50'

REVISED BY DATE REVISED	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT	DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON		9-26-22 PLANS SUBMITTAL DATE	1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer CADD FILENAME => YB1Sea001.dgn CONTRACT NO.							
PROJECT DESCRIPTION		PLANS APPROVAL DATE		WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td style="text-align: center;"><b>L-1</b></td> <td style="text-align: center;"><b>16</b></td> <td style="text-align: center;"><b>282</b></td> </tr> </table>		SHEET NAME	SHEET NO.	TOTAL SHEETS	<b>L-1</b>	<b>16</b>	<b>282</b>	LAST REVISION 9-23-22	DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:05:45 AM
SHEET NAME	SHEET NO.	TOTAL SHEETS													
<b>L-1</b>	<b>16</b>	<b>282</b>													

BORDER LAST REVISED 9/21/2022



**CONFORMED BID SET**

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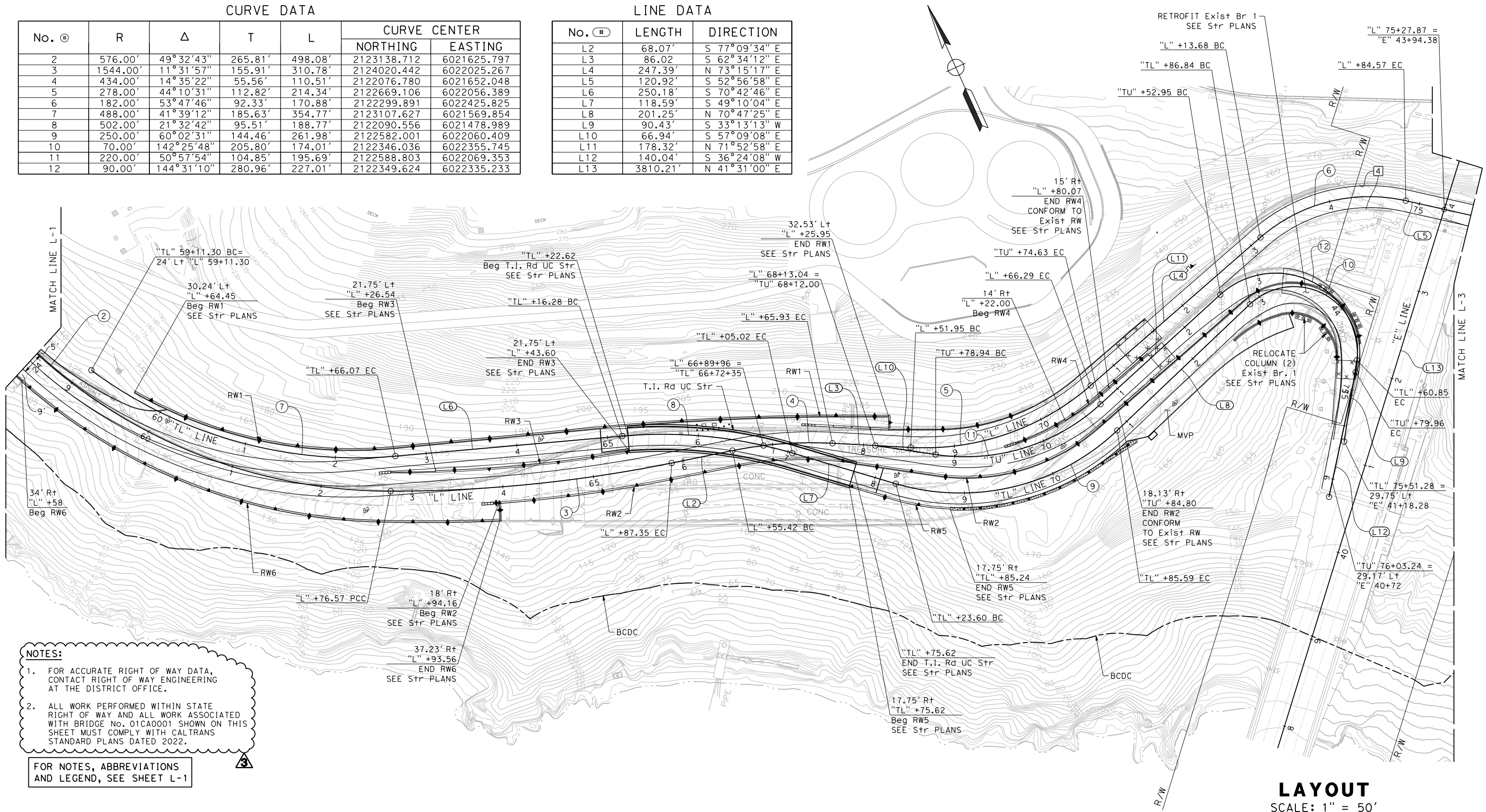


CURVE DATA

No. ①	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
2	576.00'	49°32'43"	265.81'	498.08'	2123138.712	6021625.797
3	1544.00'	11°31'57"	155.91'	310.78'	2124020.442	6022025.267
4	434.00'	14°35'22"	55.56'	110.51'	2122076.780	6021652.048
5	278.00'	44°10'31"	112.82'	214.34'	2122669.106	6022056.389
6	182.00'	53°47'46"	92.33'	170.88'	2122299.891	6022425.825
7	488.00'	41°39'12"	185.63'	354.77'	2123107.627	6021569.854
8	502.00'	21°32'42"	95.51'	188.77'	2122090.556	6021478.989
9	250.00'	60°02'31"	144.46'	261.98'	2122582.001	6022060.409
10	70.00'	142°25'48"	205.80'	174.01'	2122346.036	6022355.745
11	220.00'	50°57'54"	104.85'	195.69'	2122588.803	6022069.353
12	90.00'	144°31'10"	280.96'	227.01'	2122349.624	6022335.233

LINE DATA

No. ②	LENGTH	DIRECTION
L2	68.07'	S 77°09'34" E
L3	86.02	S 62°34'12" E
L4	247.39'	N 73°15'17" E
L5	120.92'	S 52°56'58" E
L6	250.18'	S 70°42'46" E
L7	118.59'	S 49°10'04" E
L8	201.25'	N 70°47'25" E
L9	90.43'	S 33°13'13" W
L10	66.94'	S 57°09'08" E
L11	178.32'	N 71°52'58" E
L12	140.04'	S 36°24'08" W
L13	3810.21'	N 41°31'00" E



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - ALL WORK PERFORMED WITHIN STATE RIGHT OF WAY AND ALL WORK ASSOCIATED WITH BRIDGE NO. 01CA0001 SHOWN ON THIS SHEET MUST COMPLY WITH CALTRANS STANDARD PLANS DATED 2022.

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

**LAYOUT**  
SCALE: 1" = 50'

REVISED BY	DATE REVISED	DESIGNED BY: S. DWYER			9-26-22				USERNAME => sdwyer
YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		DRAWN BY: S. DWYER							REGISTERED CIVIL ENGINEER
PROJECT DESCRIPTION		CHECKED BY: D. DICKINSON			9-26-22				CONTRACT NO.
APPROVED BY: D. DICKINSON		PLANS APPROVAL DATE							<p>WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p>
BORDER LAST REVISED 9/21/2022		RELATIVE BORDER SCALE IS IN INCHES				<p><b>CONFORMED BID SET</b></p>			SHEET NAME: <b>L-2</b> SHEET NO.: <b>17</b> TOTAL SHEETS: <b>282</b>
									LAST REVISION: 1-30-23 DATE PLOTTED => 2/2/2023 TIME PLOTTED => 11:45:39 AM





**CURVE DATA**

No. #	R	Δ	T	L	CURVE CENTER	
					NORTHING	EASTING
13	316'	25°45'53"	72.27'	142.10	2122624.493	6022822.383
14	206'	86°43'33"	194.55'	311.81'	2122449.078	6023139.305

**LINE DATA**

No. #	LENGTH	DIRECTION
L14	345.12'	S 78°42'50" E
L15	15.48'	N 14°33'35" E

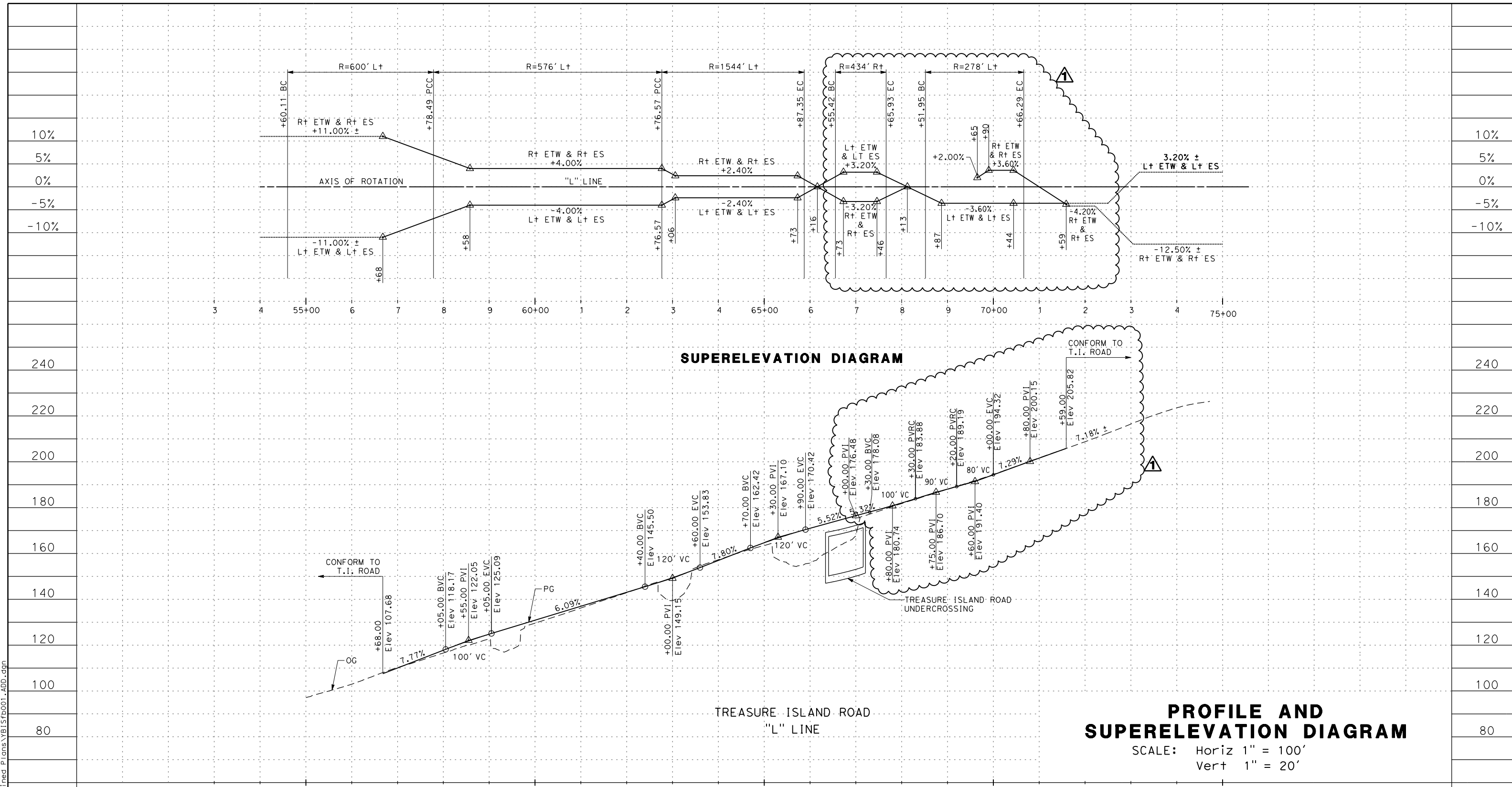
- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - ALL WORK PERFORMED WITHIN STATE RIGHT OF WAY AND ALL WORK ASSOCIATED WITH BRIDGE No. 01CA0001 SHOWN ON THIS SHEET MUST COMPLY WITH CALTRANS STANDARD PLANS DATED 2022.

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

**LAYOUT**  
SCALE: 1" = 50'

REVISOR	DATE	DESIGNED BY: S. DWYER			9-26-22 PLANS SUBMITTAL DATE				USERNAME => sdwyer		
		DRAWN BY: S. DWYER							REGISTERED CIVIL ENGINEER	1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com	CADD FILENAME => YB1Sea003.ADD.dgn
		CHECKED BY: D. DICKINSON							PLANS APPROVAL DATE	WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	CONTRACT NO.
PROJECT DESCRIPTION		APPROVED BY: D. DICKINSON							SHEET NAME		
									SHEET NO.		
									TOTAL SHEETS		
									<b>L-3</b>		
									<b>18</b>		
									<b>282</b>		
BORDER LAST REVISED 9/21/2022					RELATIVE BORDER SCALE IS IN INCHES				DATE PLOTTED => 2/2/2023		
									TIME PLOTTED => 12:08:31 PM		

**CONFORMED BID SET**



**SUPERELEVATION DIAGRAM**

**TREASURE ISLAND ROAD  
"L" LINE**

**PROFILE AND  
SUPERELEVATION DIAGRAM**

SCALE: Horiz 1" = 100'  
Vert 1" = 20'

STATION	3	4	55+00	6	7	8	9	60+00	1	2	3	4	65+00	6	7	8	9	70+00	1	2	3	4	75+00	TOTAL	
CY	Exc																								
	Emb																								

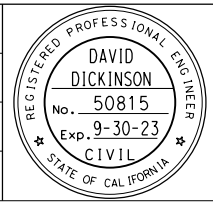
REVISOR	DATE	DESCRIPTION

DESIGNED BY:  
S. DWYER

DRAWN BY:  
S. DWYER

CHECKED BY:  
D. DICKINSON

APPROVED BY:  
D. DICKINSON



*Del. S.*

REGISTERED CIVIL ENGINEER

9-26-22  
PLANS SUBMITTAL DATE

PLANS APPROVAL DATE

WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**WMH**

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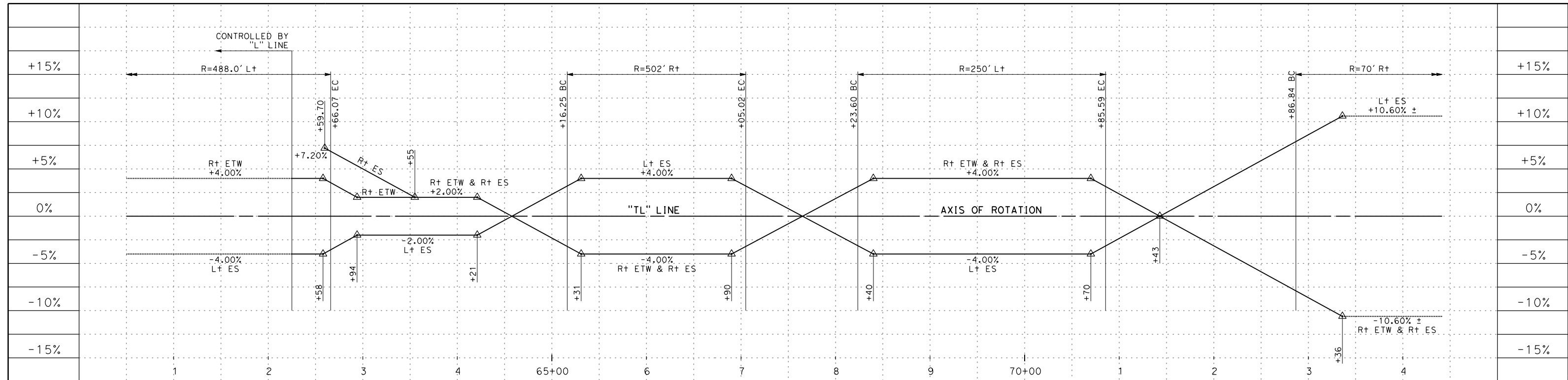
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CONTRACT NO.		
SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>PS-1</b>	<b>19</b>	<b>282</b>
LAST REVISION	DATE PLOTTED => 12/2/2022	
11-7-22	TIME PLOTTED => 5:19:28 PM	

BORDER LAST REVISED 9/21/2022

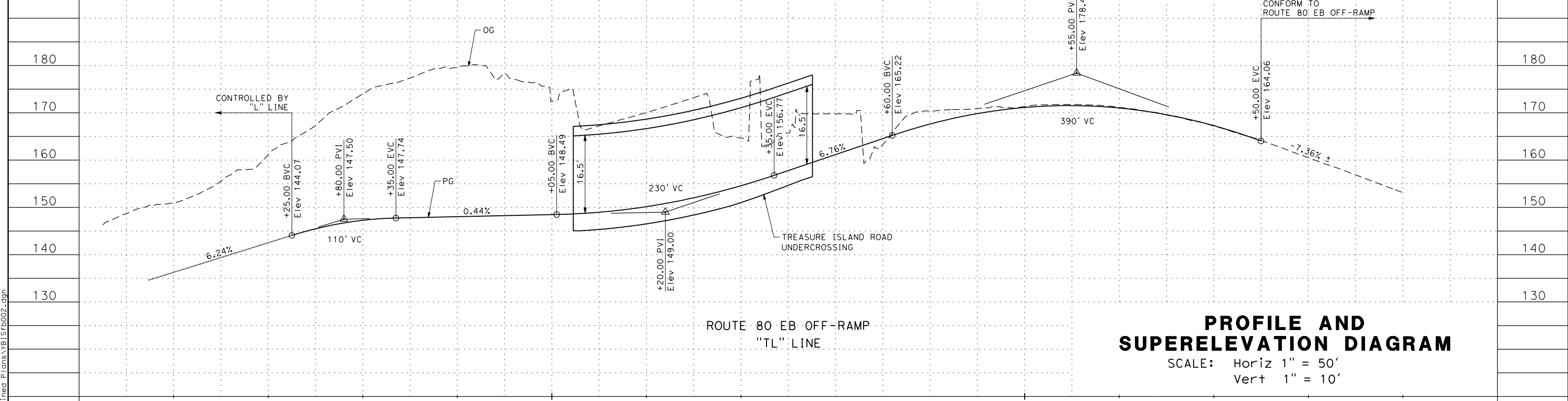


**CONFORMED BID SET**





**SUPERELEVATION DIAGRAM**



ROUTE 80 EB OFF-RAMP  
"TL" LINE

**PROFILE AND SUPERELEVATION DIAGRAM**

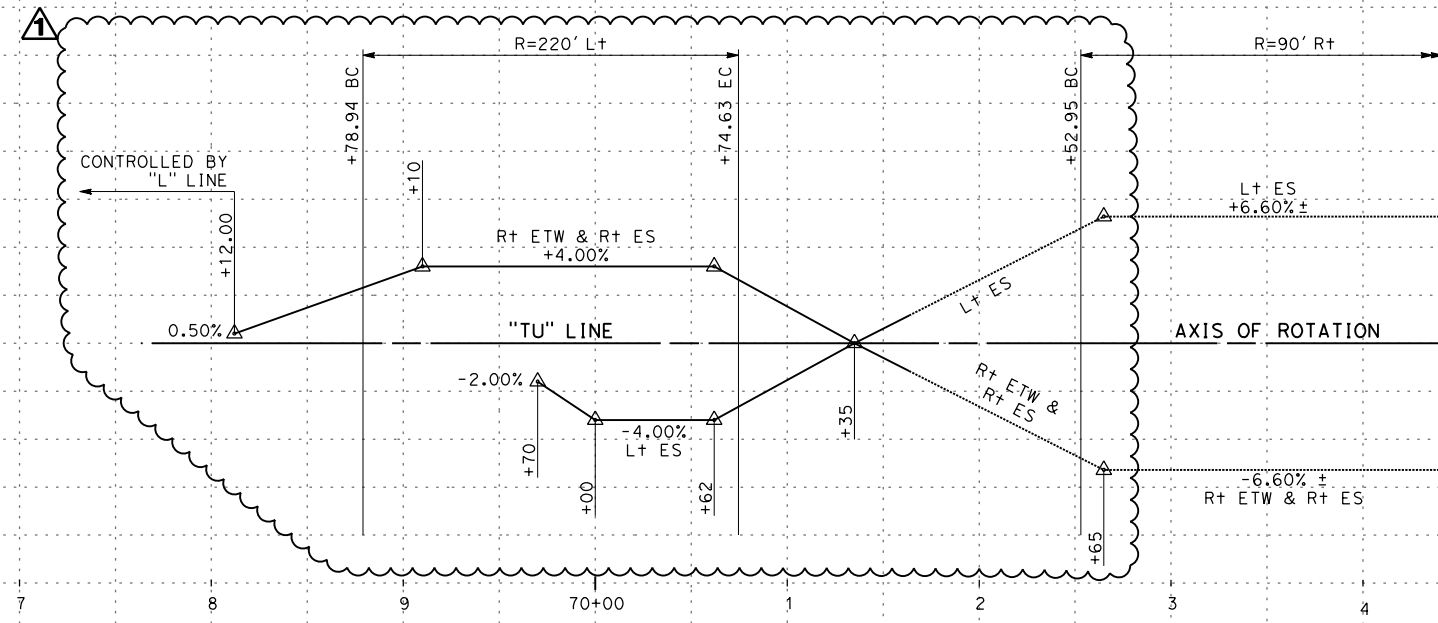
SCALE: Horiz 1" = 50'  
Vert 1" = 10'

STATION	1	2	3	4	65+00	6	7	8	9	70+00	1	2	3	4	TOTAL
CY	Exc														
	Emb														

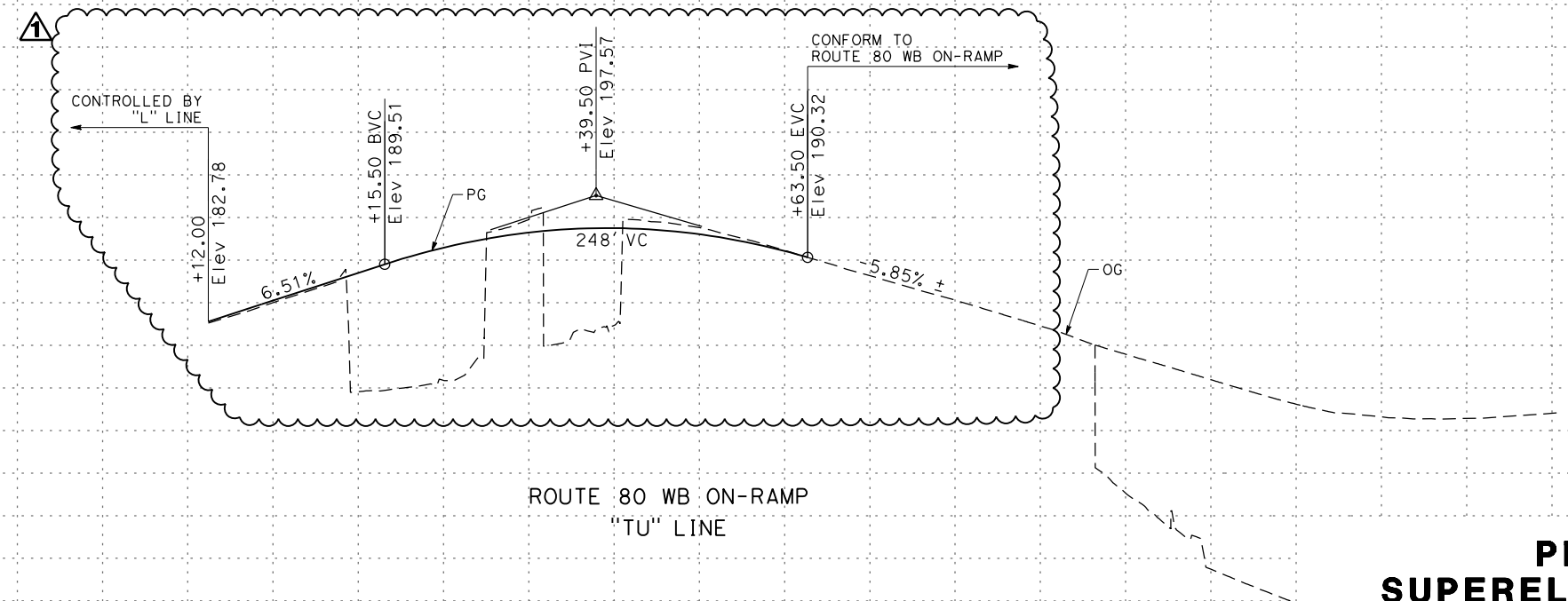
DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON		 REGISTERED CIVIL ENGINEER 9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer CADD FILENAME => YB15fb002.dgn CONTRACT NO. <table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td><b>PS-2</b></td> <td><b>20</b></td> <td><b>282</b></td> </tr> </table>	SHEET NAME	SHEET NO.	TOTAL SHEETS	<b>PS-2</b>	<b>20</b>	<b>282</b>
SHEET NAME	SHEET NO.	TOTAL SHEETS										
<b>PS-2</b>	<b>20</b>	<b>282</b>										
PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		PLANS APPROVAL DATE	WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THIS PLAN SHEET.	<b>CONFORMED BID SET</b>		LAST REVISION 6-19-20 DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:05:53 AM						

BORDER LAST REVISED 9/21/2022





**SUPERELEVATION DIAGRAM**



**ROUTE 80 WB ON-RAMP  
"TU" LINE**

**PROFILE AND SUPERELEVATION DIAGRAM**

SCALE: Horiz 1" = 50'  
Vert 1" = 10'

STATION	7	8	9	70+00	1	2	3	4	TOTAL
CY	Exc								
	Emb								

REVISOR	DATE	DESIGNED BY: S. DWYER
		DRAWN BY: S. DWYER
		CHECKED BY: D. DICKINSON
		APPROVED BY: D. DICKINSON

YERBA BUENA ISLAND  
WESTSIDE BRIDGES  
PROJECT

PROJECT DESCRIPTION

DAVID DICKINSON  
No. 50815  
Exp. 9-30-23  
CIVIL  
STATE OF CALIFORNIA

9-26-22  
PLANS SUBMITTAL DATE

WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**WMH**

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OAKLAND, CA 94607  
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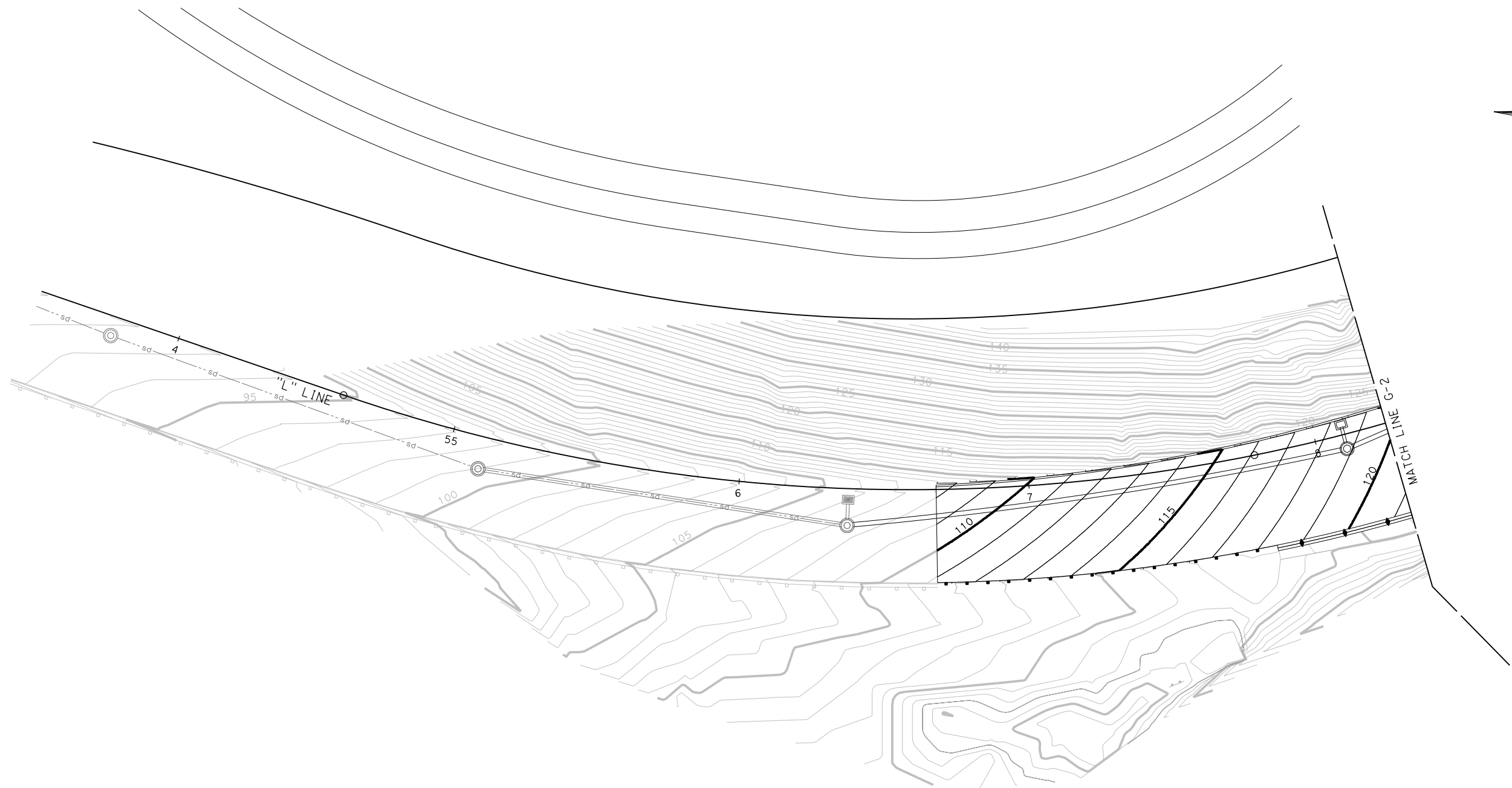
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SHEET NAME	SHEET NO.	TOTAL SHEETS
<b>PS-3</b>	<b>21</b>	<b>282</b>
LAST REVISION	DATE PLOTTED => 12/2/2022	TIME PLOTTED => 5:20:07 PM
11-7-22		

BORDER LAST REVISED 9/21/2022



**CONFORMED BID SET**

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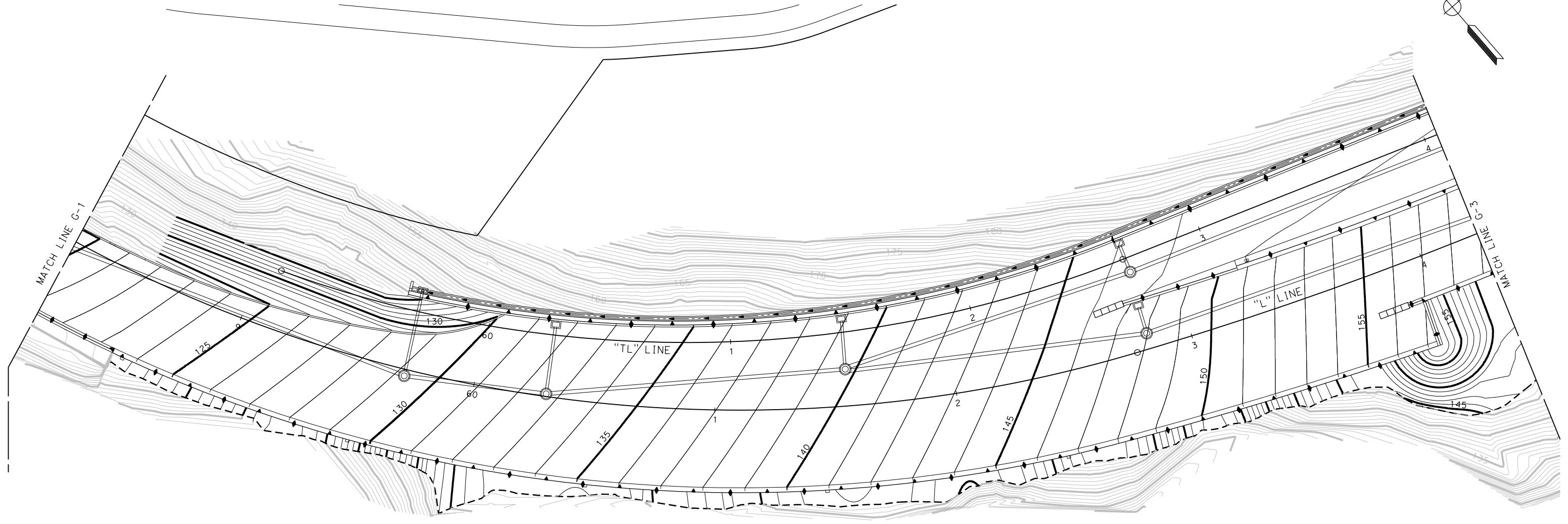
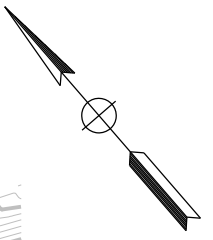
**CONTOUR GRADING**  
SCALE: 1" = 20'

REVISIONS	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer		
	DRAWN BY: S. DWYER							CONTRACT NO.		
	CHECKED BY: D. DICKINSON							SHEET NAME	SHEET NO.	TOTAL SHEETS
	APPROVED BY: D. DICKINSON							<b>G-1</b>	<b>46</b>	<b>282</b>
PROJECT DESCRIPTION		PLANS APPROVAL DATE		WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		LAST REVISION 9-26-22		DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:06:44 AM		
YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		0 1 2 3 RELATIVE BORDER SCALE IS IN INCHES		<b>CONFORMED BID SET</b>						

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BORDER LAST REVISED 9/21/2022

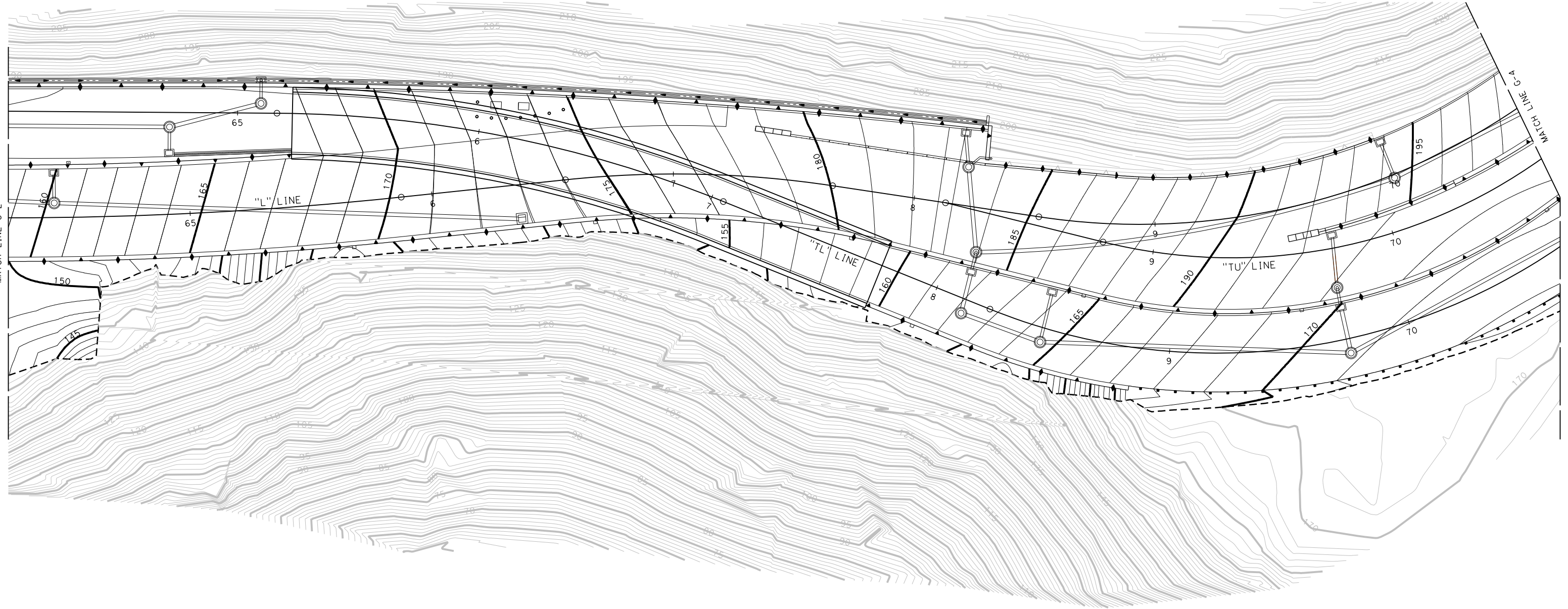
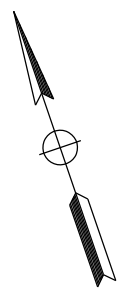




**CONTOUR GRADING**  
SCALE: 1" = 20'

REVISIONS	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer		
	DRAWN BY: S. DWYER							CONTRACT NO.		
	CHECKED BY: D. DICKINSON							SHEET NAME	SHEET NO.	TOTAL SHEETS
	APPROVED BY: D. DICKINSON							<b>G-2      47      282</b>		
YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		PLANS APPROVAL DATE		WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				LAST REVISION 9-26-22	DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:06:46 AM	
PROJECT DESCRIPTION		RELATIVE BORDER SCALE IS IN INCHES				<b>CONFORMED BID SET</b>				
BORDER LAST REVISED 9/21/2022										

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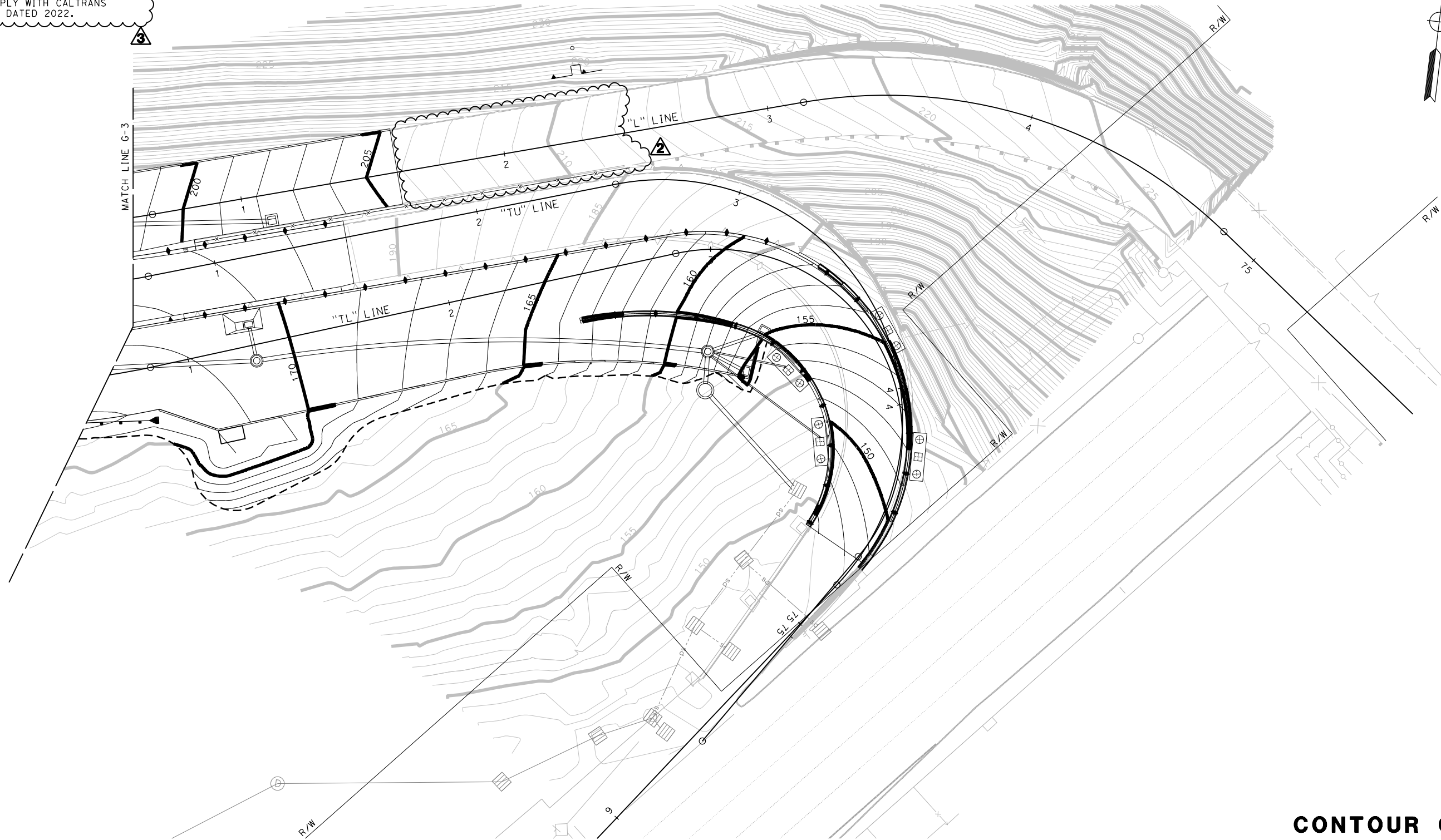
**CONTOUR GRADING**  
SCALE: 1" = 20'

REVISIONS REVISED BY   DATE REVISED    	PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT	DESIGNED BY: S. DWYER			9-26-22 PLANS SUBMITTAL DATE				USERNAME => sdwyer CADD FILENAME => YB1Sha003.dgn CONTRACT NO.
		CHECKED BY: D. DICKINSON		REGISTERED CIVIL ENGINEER	1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com				<table border="1"> <thead> <tr> <th>SHEET NAME</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td><b>G-3</b></td> <td><b>48</b></td> <td><b>282</b></td> </tr> </tbody> </table>
SHEET NAME	SHEET NO.	TOTAL SHEETS							
<b>G-3</b>	<b>48</b>	<b>282</b>							
BORDER LAST REVISED 9/21/2022	PROJECT DESCRIPTION	APPROVED BY: D. DICKINSON	PLANS APPROVAL DATE	WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	RELATIVE BORDER SCALE IS IN INCHES		<b>CONFORMED BID SET</b>	LAST REVISION 9-26-22	DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:06:47 AM



**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL WORK PERFORMED WITHIN STATE RIGHT OF WAY AND ALL WORK ASSOCIATED WITH BRIDGE No. 01CA0001 SHOWN ON THIS SHEET MUST COMPLY WITH CALTRANS STANDARD PLANS DATED 2022.



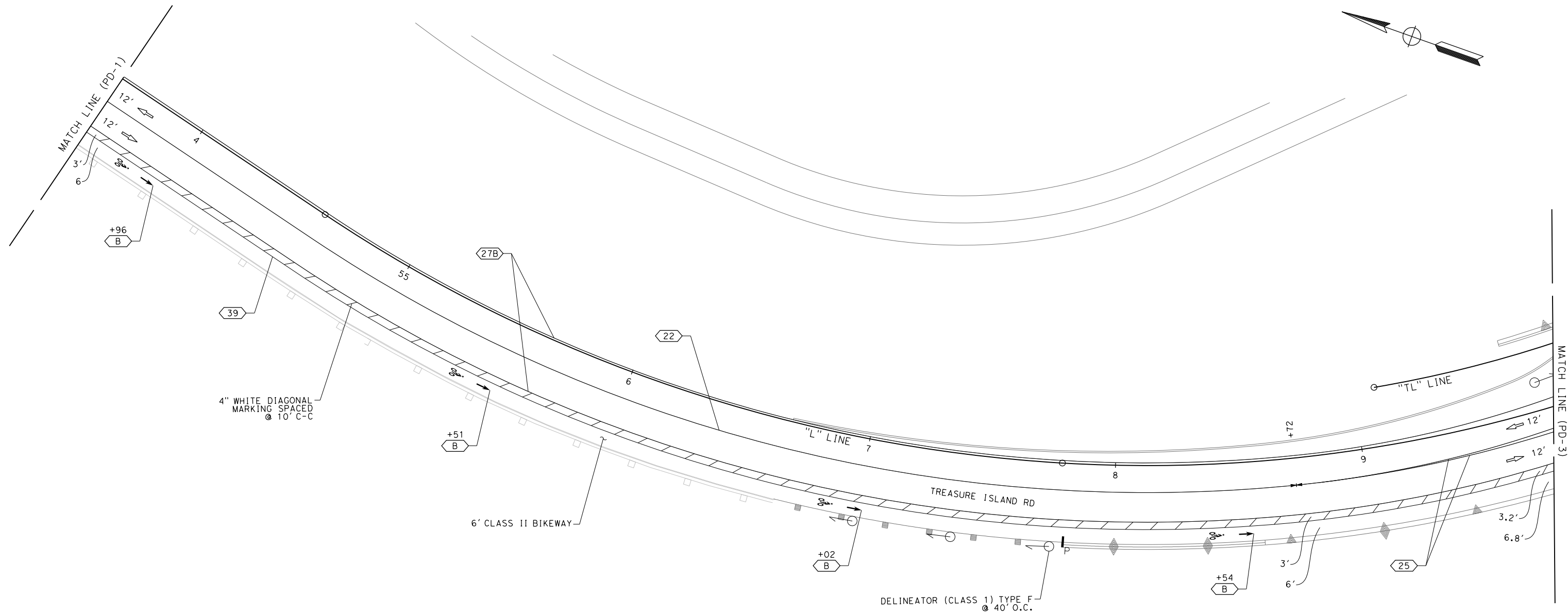
**CONTOUR GRADING**  
SCALE: 1" = 20'

REVISIONS	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer		
	DRAWN BY: S. DWYER							CONTRACT NO.		
	CHECKED BY: D. DICKINSON							SHEET NAME	SHEET NO.	TOTAL SHEETS
	APPROVED BY: D. DICKINSON							<b>G-4</b> <b>49</b> <b>282</b>		
YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		PLANS APPROVAL DATE		WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		LAST REVISION 2-2-23		DATE PLOTTED => 2/2/2023 TIME PLOTTED => 12:13:20 PM		
PROJECT DESCRIPTION		RELATIVE BORDER SCALE IS IN INCHES				<b>CONFORMED BID SET</b>				
BORDER LAST REVISED 9/21/2022										

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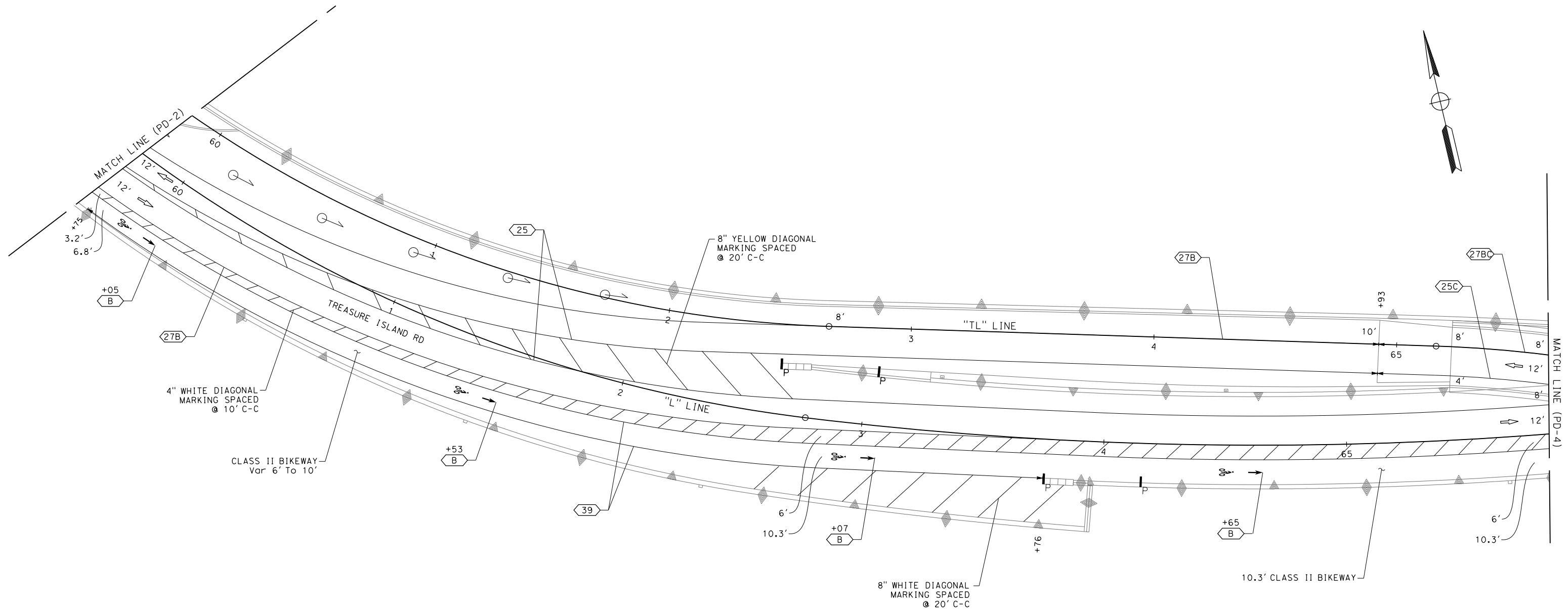




FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
			DRAWN BY: J. YAU												CADD FILENAME => YB1Sna002.dgn	
			CHECKED BY: D. DICKINSON													CONTRACT NO.
			APPROVED BY: D. DICKINSON													
BORDER LAST REVISED 9/21/2022			RELATIVE BORDER SCALE IS IN INCHES				<b>CONFORMED BID SET</b>			SHEET NAME <b>PD-2</b>	SHEET NO. <b>96</b>	TOTAL SHEETS <b>282</b>				
										LAST REVISION 9-22-22	DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:08:23 AM					

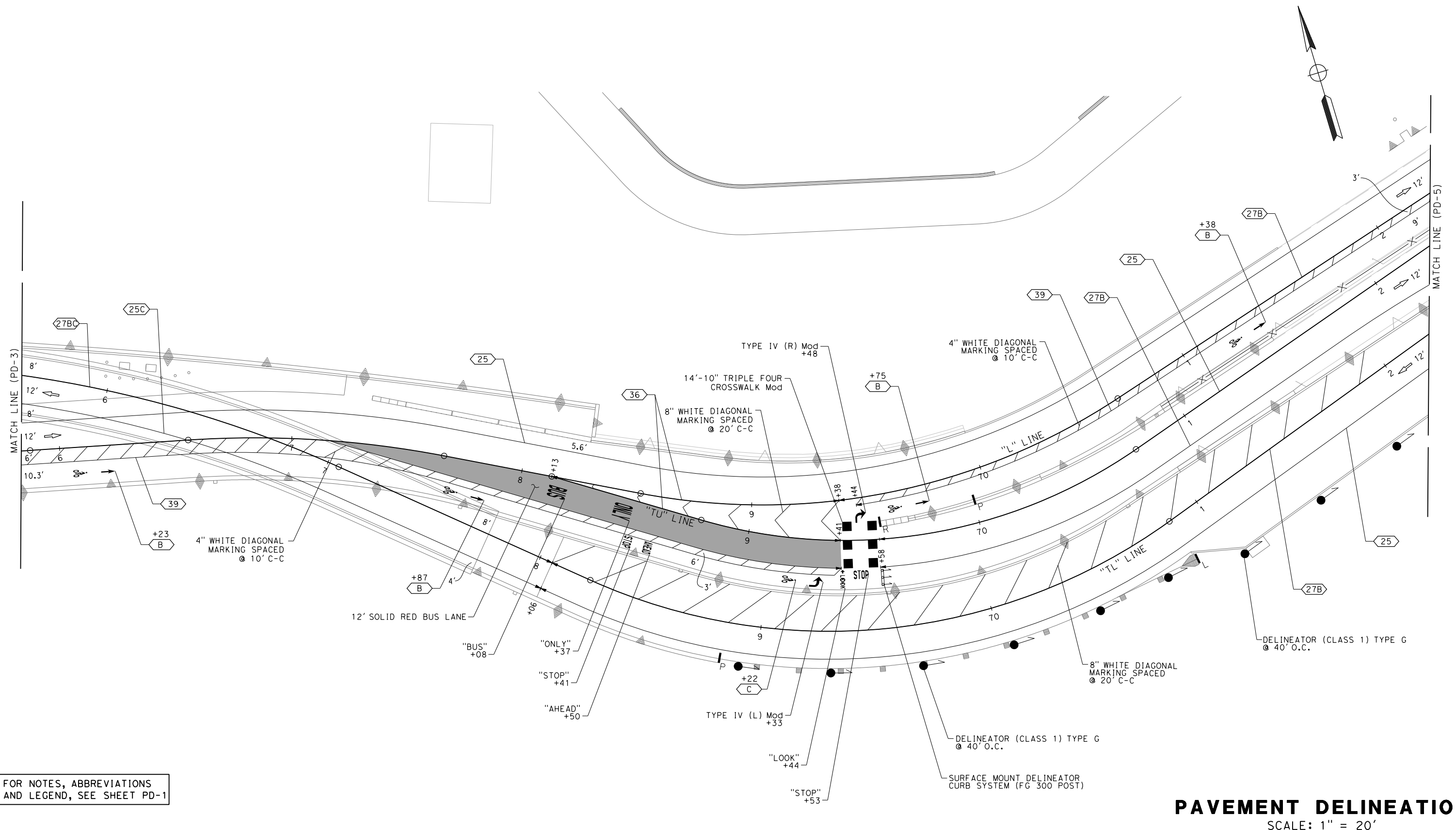


FOR NOTES, ABBREVIATIONS  
AND LEGEND, SEE SHEET PD-1

**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer							
			DRAWN BY: J. YAU												CADD FILENAME => YB1Sna003.dgn		
			CHECKED BY: D. DICKINSON													CONTRACT NO.	
			APPROVED BY: D. DICKINSON														
BORDER LAST REVISED 9/21/2022			PLANS APPROVAL DATE		RELATIVE BORDER SCALE IS IN INCHES				<b>CONFORMED BID SET</b>								
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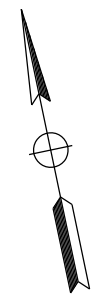
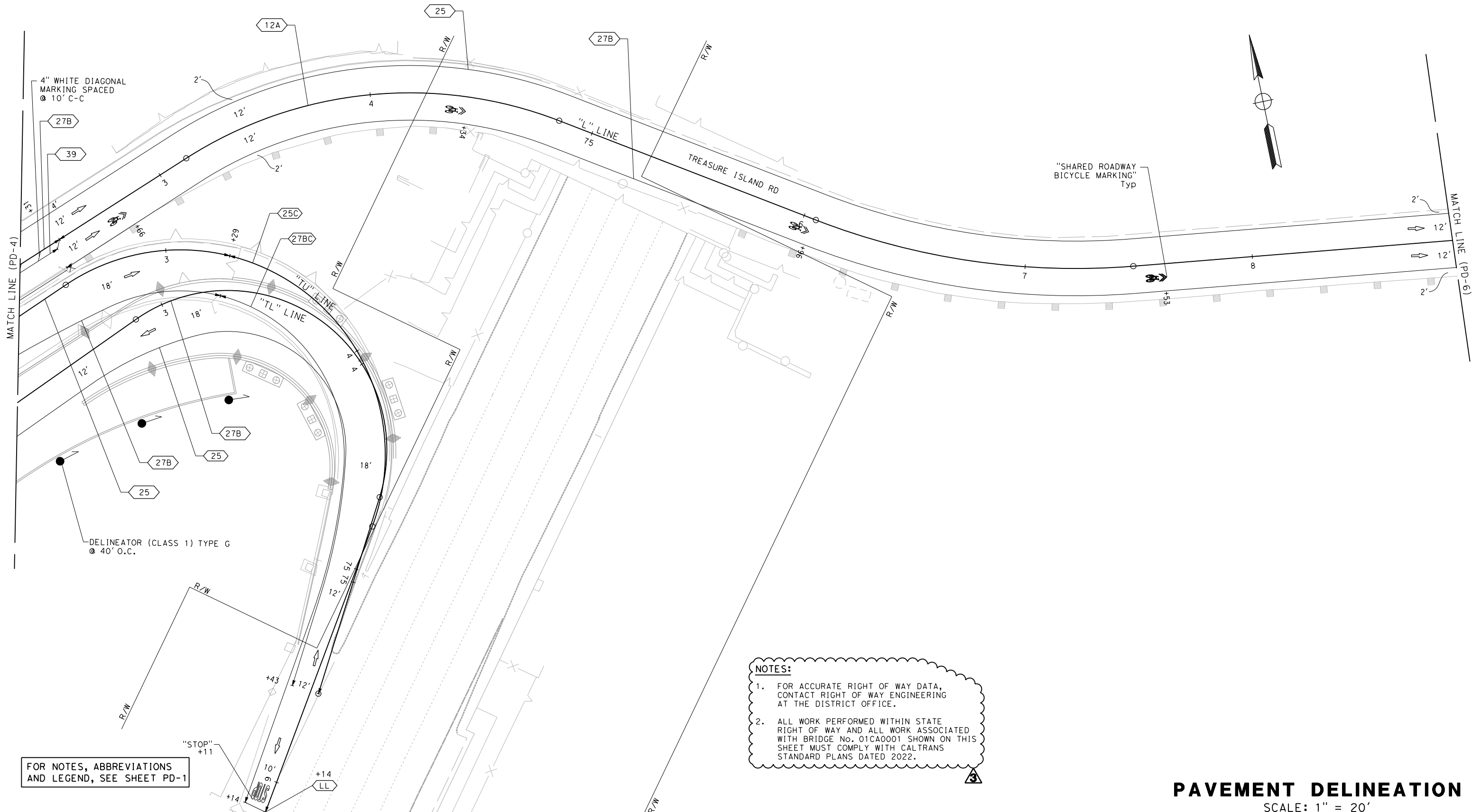




FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

REVISOR	DATE	DESIGNED BY: S. DWYER DRAWN BY: J. YAU CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
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SHEET NAME	SHEET NO.	TOTAL SHEETS													
<b>PD-4</b>	<b>98</b>	<b>282</b>													
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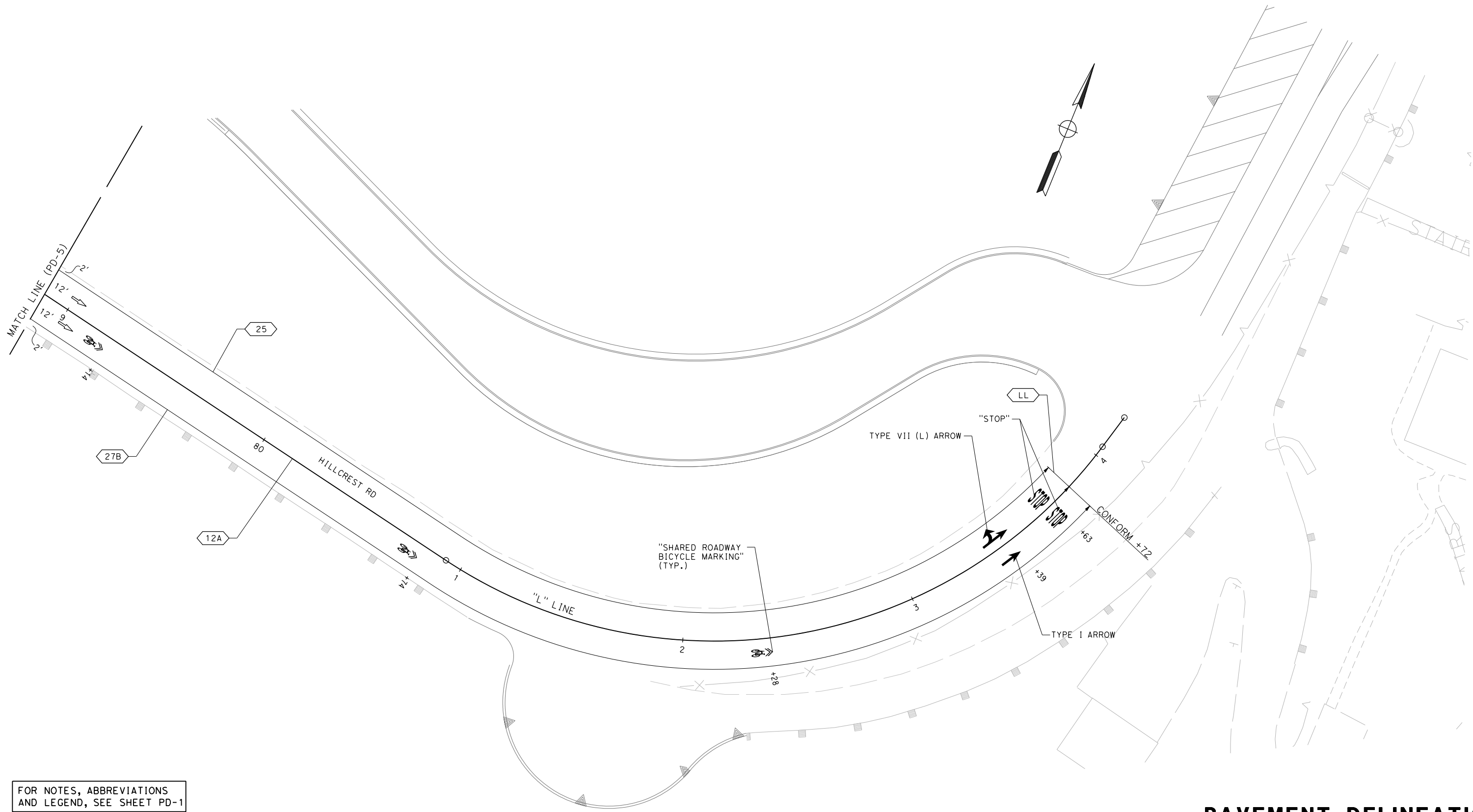
**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL WORK PERFORMED WITHIN STATE RIGHT OF WAY AND ALL WORK ASSOCIATED WITH BRIDGE No. 01CA0001 SHOWN ON THIS SHEET MUST COMPLY WITH CALTRANS STANDARD PLANS DATED 2022.

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
			DRAWN BY: J. YAU												CADD FILENAME => YBISna005.ADD.dgn	
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			APPROVED BY: D. DICKINSON													
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									CONFORMED BID SET							
									LAST REVISION: 2-2-23    DATE PLOTTED => 2/2/2023 TIME PLOTTED => 12:31:08 PM							



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET PD-1

**PAVEMENT DELINEATION**  
SCALE: 1" = 20'

REVISOR	DATE	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: S. DWYER		 REGISTERED CIVIL ENGINEER	9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer						
			DRAWN BY: J. YAU												CADD FILENAME => YBISna006.dgn	
			CHECKED BY: D. DICKINSON													CONTRACT NO.
			APPROVED BY: D. DICKINSON													
BORDER LAST REVISED 9/21/2022			RELATIVE BORDER SCALE IS IN INCHES				<b>CONFORMED BID SET</b>			SHEET NAME <b>PD-6</b>	SHEET NO. <b>100</b>	TOTAL SHEETS <b>282</b>				
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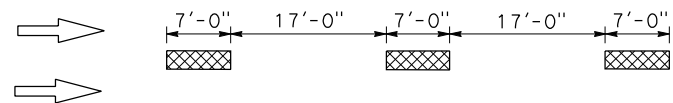
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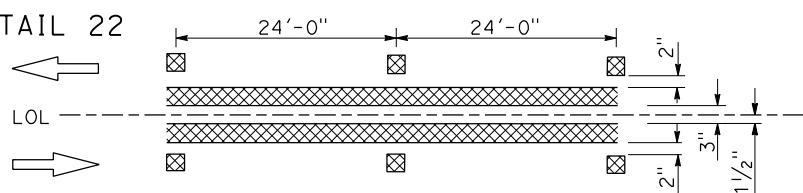
**LEGEND**

- DIRECTION OF TRAVEL
- 6" WHITE THERMOPLASTIC TRAFFIC STRIPE
- 6" YELLOW THERMOPLASTIC TRAFFIC STRIPE
- CONTRAST STRIPE BLACK PAINT (2-COAT)
- TYPE C RED-CLEAR RETROREFLECTIVE PAVEMENT MARKER
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE PAVEMENT MARKER
- TYPE RY RED-YELLOW RETROREFLECTIVE PAVEMENT MARKER

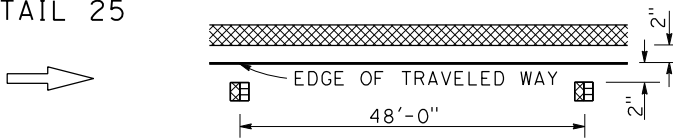
**DETAIL 1**



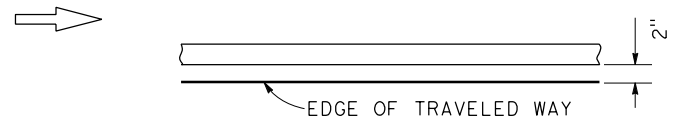
**DETAIL 22**



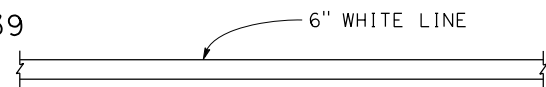
**DETAIL 25**



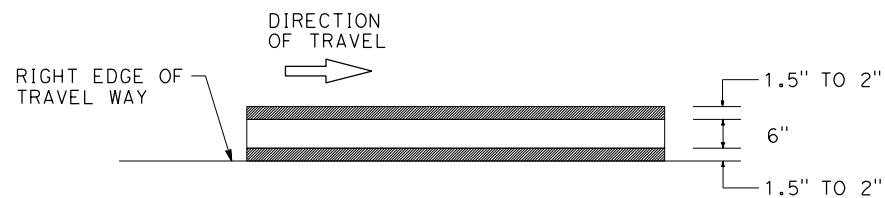
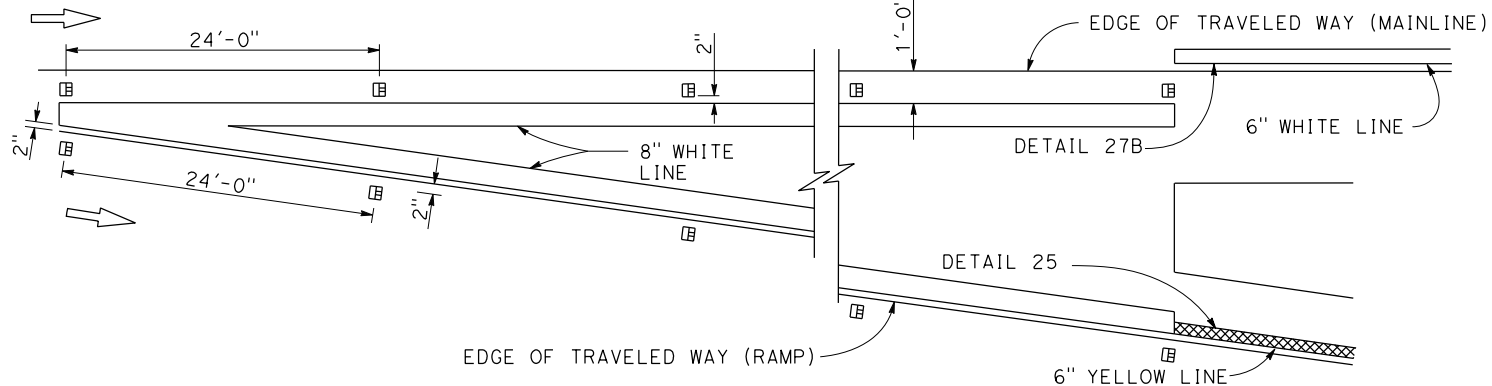
**DETAIL 27B**



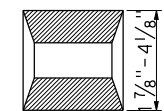
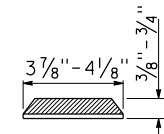
**DETAIL 39**



**DETAIL 36**



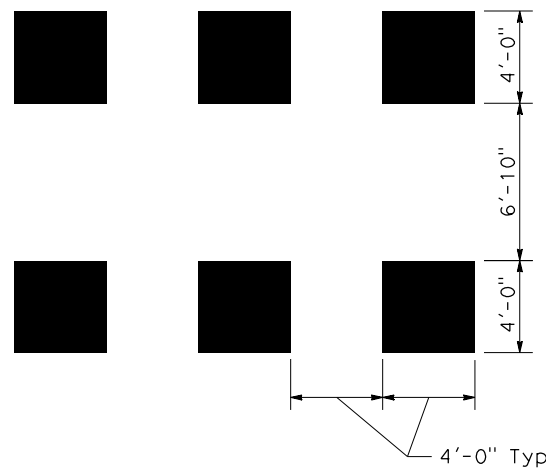
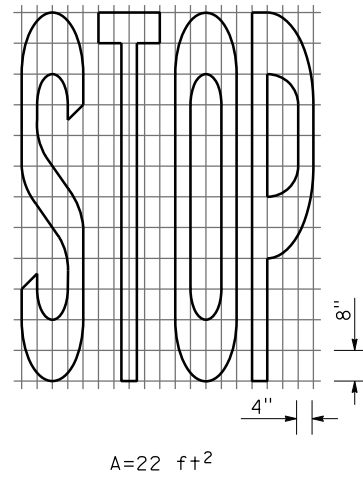
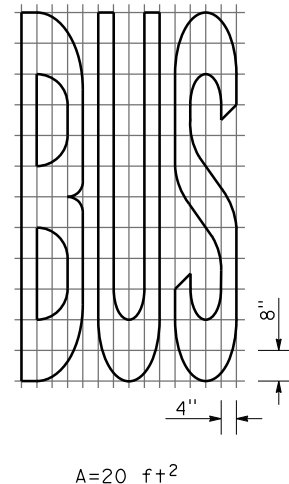
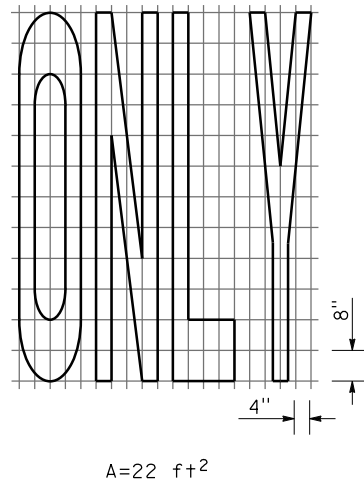
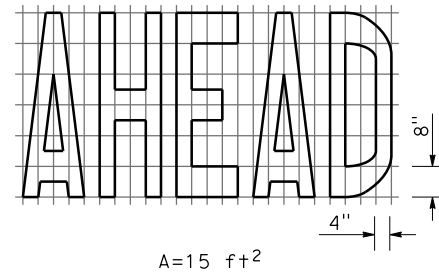
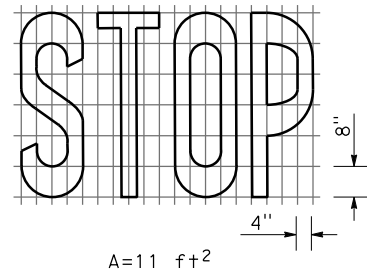
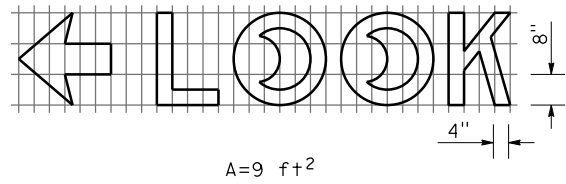
**DETAIL 27BC**  
(PCC PAVEMENT)



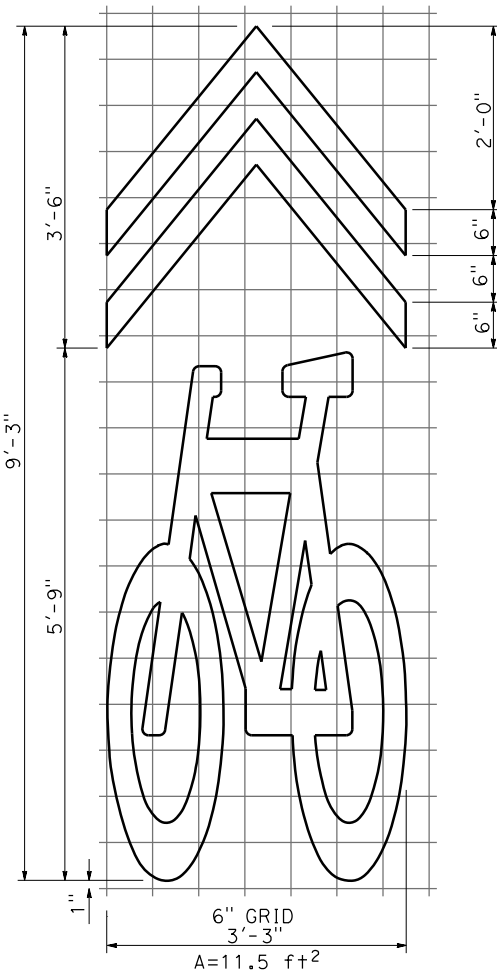
**TYPE C, D AND RY**  
RETROREFLECTIVE FACE

**PAVEMENT DELINEATION DETAILS**  
NO SCALE

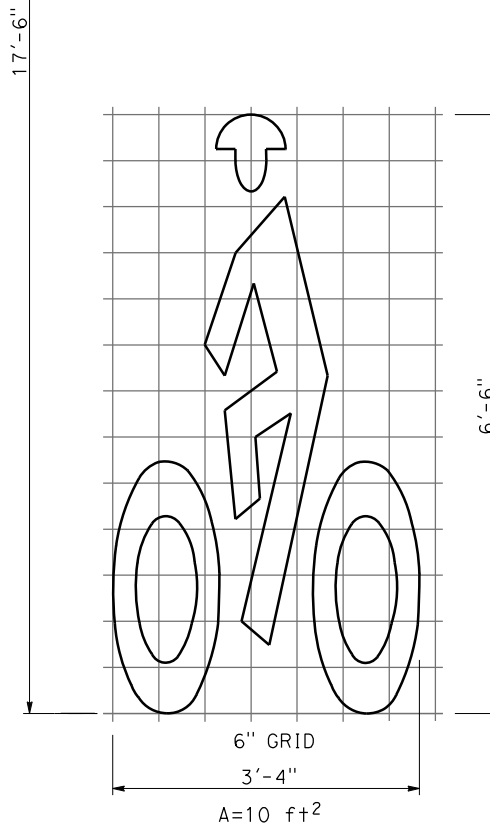
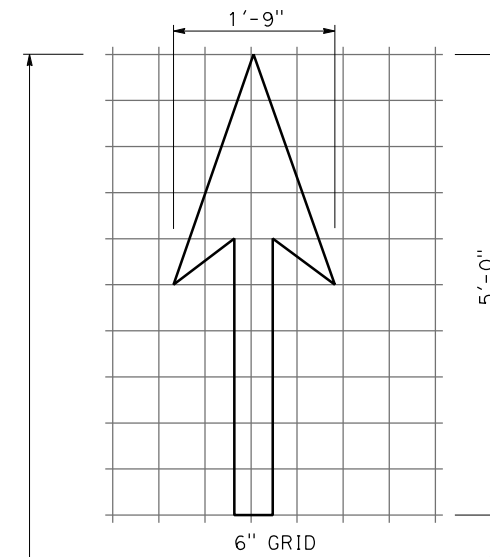
REVISIONS REVISED BY DATE REVISED	YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT  PROJECT DESCRIPTION	DESIGNED BY: J. YAU DRAWN BY: J. YAU CHECKED BY: S. DWYER APPROVED BY: D. DICKINSON		 REGISTERED CIVIL ENGINEER 9-26-22 PLANS SUBMITTAL DATE  PLANS APPROVAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer CADD FILENAME => YB1Snb001.dgn CONTRACT NO.  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">SHEET NAME</td> <td style="font-size: small;">SHEET NO.</td> <td style="font-size: small;">TOTAL SHEETS</td> </tr> <tr> <td style="font-size: large; font-weight: bold;">PDD-1</td> <td style="font-size: large; font-weight: bold;">101</td> <td style="font-size: large; font-weight: bold;">282</td> </tr> </table>	SHEET NAME	SHEET NO.	TOTAL SHEETS	PDD-1	101	282
SHEET NAME	SHEET NO.	TOTAL SHEETS												
PDD-1	101	282												
BORDER LAST REVISED 9/21/2022		RELATIVE BORDER SCALE IS IN INCHES			CONFORMED BID SET			LAST REVISION 6-19-20 DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:08:31 AM						



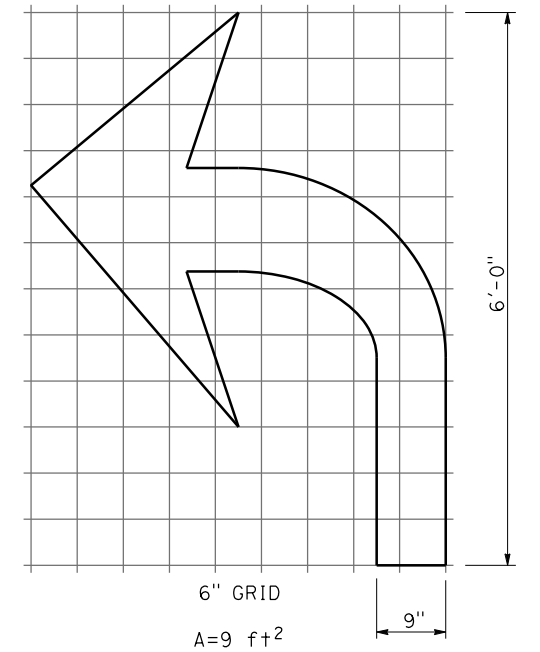
**14'-10" TRIPLE FOUR CROSSWALK Mod**



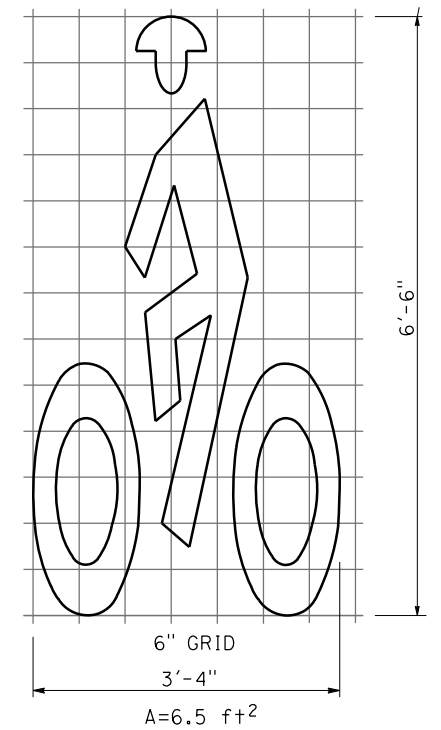
**SHARED ROADWAY BICYCLE MARKING**



**BIKE LANE MARKING**



**TYPE IV (L) Mod**  
(FOR TYPE IV (R), USE MIRROR IMAGE)



**BIKE LANE MARKING Mod**

**PAVEMENT DELINEATION DETAILS**  
NO SCALE

REVISIONS	DESIGNED BY: J. YAU			9-26-22 PLANS SUBMITTAL DATE				USERNAME => sdwyer
DATE REVISIONS	DRAWN BY: J. YAU							REGISTERED CIVIL ENGINEER
PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		APPROVED BY: D. DICKINSON	WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY		SHEET NAME: PDD-2 102 282 SHEET NO.: 102 TOTAL SHEETS: 282	
BORDER LAST REVISED 9/21/2022		RELATIVE BORDER SCALE IS IN INCHES				CONFORMED BID SET		LAST REVISION: 9-26-22 DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:08:32 AM

**NOTES:**

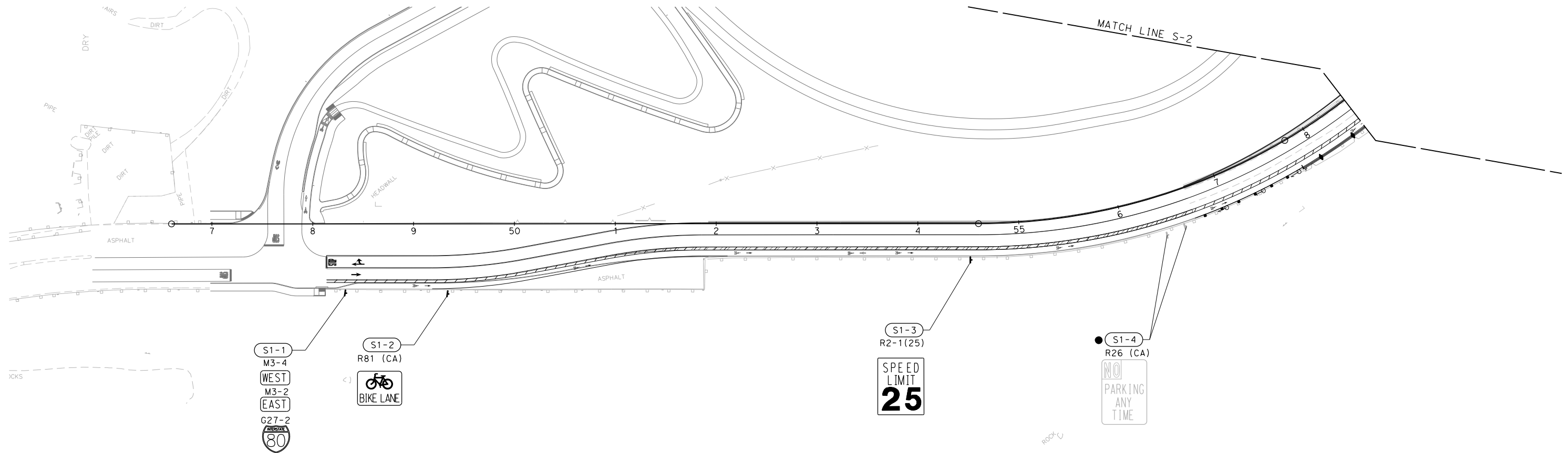
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY.
2. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
3. CONTRACTOR TO VERIFY THE EXISTING OVERHEAD SIGN FRAME SIZE BEFORE ORDERING THE NEW SIGN PANEL.
4. ALL SIGNS SHALL BE IN CONFORMANCE WITH THE CA MUTCD 2014 EDITION.

**LEGEND:**

- ROADSIDE SIGN (ONE POST)
- ROADSIDE SIGN (TWO POST)
- ROADSIDE SIGN (SSBM, BM)
- ROADSIDE SIGN NUMBER
- OVERHEAD SIGN NUMBER
- OVERHEAD SIGN
- RELOCATE ROADSIDE SIGN
- INSTALL ROADSIDE SIGN PANEL ON EXISTING POST
- EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- SIGNS TO BE REMOVED IN BRIDGE DEMOLITION
- INSTALL ON ELECTROLIER
- REMOVE AND REPLACE PANEL

**ABBREVIATIONS:**

(CA) CALIFORNIA SIGN CODE



**SIGN PLAN**  
SCALE: 1" = 50'

DESIGNED BY: J. ROSALES		 REGISTERED CIVIL ENGINEER 9-26-22 PLANS SUBMITTAL DATE	 1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com			USERNAME => sdwyer	
DRAWN BY: J. ROSALES						CADD FILENAME => YB1S0a001.dgn	
CHECKED BY: S. DWYER						CONTRACT NO.	
APPROVED BY: D. DICKINSON						<table border="1"> <tr> <td>SHEET NAME</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td><b>S-1</b></td> <td><b>105</b></td> <td><b>282</b></td> </tr> </table>	SHEET NAME
SHEET NAME	SHEET NO.	TOTAL SHEETS					
<b>S-1</b>	<b>105</b>	<b>282</b>					
PROJECT DESCRIPTION YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT		PLANS APPROVAL DATE	WMH CORPORATION SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	LAST REVISION 6-19-20	DATE PLOTTED => 9/27/2022 TIME PLOTTED => 6:08:38 AM		

BORDER LAST REVISED 9/21/2022



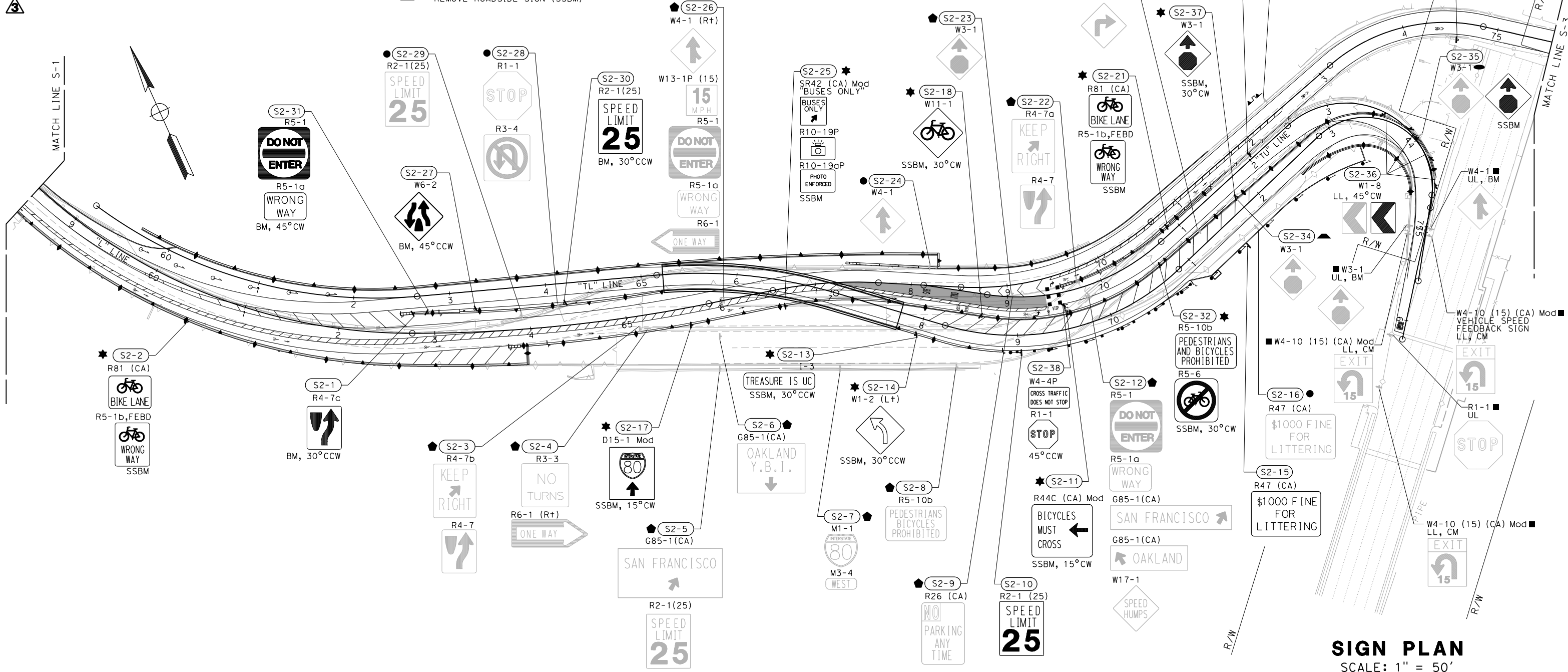
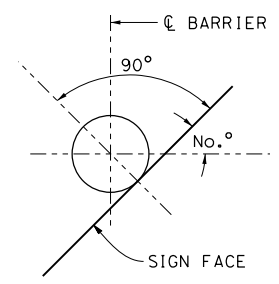
**CONFORMED BID SET**

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- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - ALL WORK PERFORMED WITHIN STATE RIGHT OF WAY AND ALL WORK ASSOCIATED WITH BRIDGE No. 01CA0001 SHOWN ON THIS SHEET MUST COMPLY WITH CALTRANS STANDARD PLANS DATED 2022.
  - EXACT LOCATION AND POSITION OF ROADSIDE SIGNS MUST BE DETERMINED BY THE ENGINEER.
  - CONTRACTOR TO FIELD MEASURE TO CONFIRM PANEL TYPE, SIZE, AND CONNECTION DETAILS PRIOR TO ORDERING.
  - ALL SIGNS MUST BE IN CONFORMANCE WITH THE CA MUTCD 2014 EDITION.

- LEGEND:**
- ROADSIDE SIGN (ONE POST)
  - ROADSIDE SIGN (TWO POST)
  - ROADSIDE SIGN (SSBM, BM)
  - ROADSIDE SIGN NUMBER
  - OVERHEAD SIGN NUMBER
  - OVERHEAD SIGN
  - RELOCATE ROADSIDE SIGN
  - INSTALL ROADSIDE SIGN PANEL ON EXISTING POST
  - EXISTING ROADSIDE SIGN TO REMAIN
  - REMOVE ROADSIDE SIGN
  - SIGNS TO BE REMOVED IN BRIDGE DEMOLITION
  - INSTALL ON ELECTROLIER
  - REMOVE AND REPLACE PANEL
  - REMOVE ROADSIDE SIGN (SSBM)
- ABBREVIATIONS:**
- BM BARRIER MOUNTED
  - CCW COUNTER CLOCKWISE
  - CW CLOCKWISE
  - (CA) CALIFORNIA SIGN CODE
  - LL LOWER LEVEL
  - SSBM STRAP AND SADDLE BRACKET METHOD
  - UL UPPER LEVEL
  - FEBT FACE EASTBOUND TRAFFIC
  - FEBD FACE EASTBOUND DIRECTION
  - FNBD FACE NORTHBOUND DIRECTION
  - FSBD FACE SOUTHBOUND DIRECTION



**SIGN PLAN**  
SCALE: 1" = 50'

REVISIONS	DESIGNED BY: S. DWYER			9-26-22 PLANS SUBMITTAL DATE				USERNAME => sdwyer
	DRAWN BY: S. DWYER							CADD FILENAME => YB1Soc002.ADD.dgn
	CHECKED BY: D. DICKINSON							CONTRACT NO.
	APPROVED BY: D. DICKINSON							
YERBA BUENA ISLAND WESTSIDE BRIDGES PROJECT PROJECT DESCRIPTION		REGISTERED CIVIL ENGINEER		1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com		SHEET NAME: <b>S-2</b> SHEET NO.: <b>106</b> TOTAL SHEETS: <b>282</b>		
BORDER LAST REVISED 9/21/2022		PLANS APPROVAL DATE		RELATIVE BORDER SCALE IS IN INCHES: 0 1 2 3		CONFORMED BID SET		
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**NOTES:**

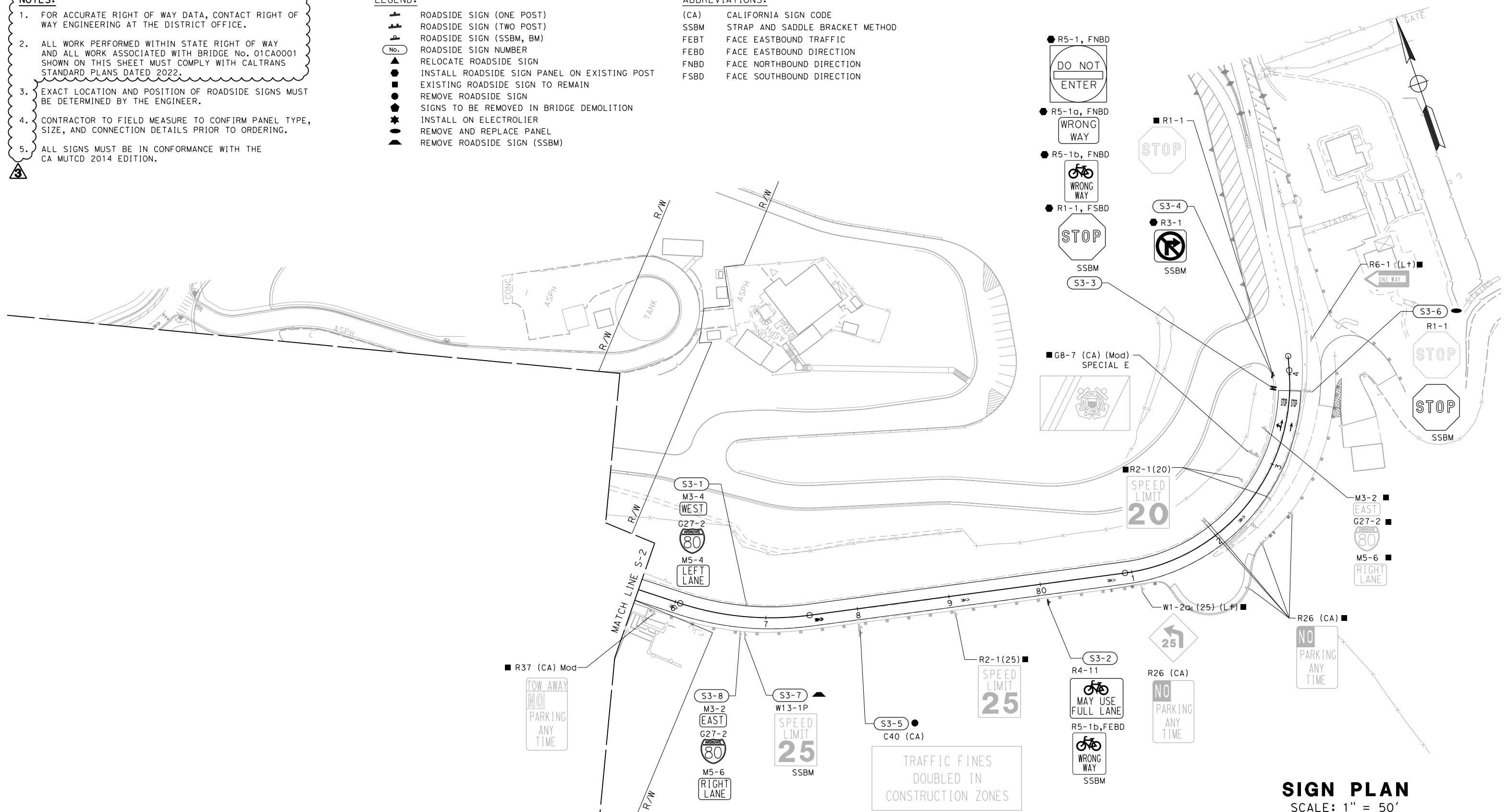
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- ALL SIGNS MUST BE IN CONFORMANCE WITH THE CA MUTCD 2014 EDITION.

**LEGEND:**

- ROADSIDE SIGN (ONE POST)
- ROADSIDE SIGN (TWO POST)
- ROADSIDE SIGN (SSBM, BM)
- ROADSIDE SIGN NUMBER
- RELOCATE ROADSIDE SIGN
- INSTALL ROADSIDE SIGN PANEL ON EXISTING POST
- EXISTING ROADSIDE SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- SIGNS TO BE REMOVED IN BRIDGE DEMOLITION
- INSTALL ON ELECTROLIER
- REMOVE AND REPLACE PANEL
- REMOVE ROADSIDE SIGN (SSBM)

**ABBREVIATIONS:**

- (CA) CALIFORNIA SIGN CODE
- SSBM STRAP AND SADDLE BRACKET METHOD
- FEBT FACE EASTBOUND TRAFFIC
- FEBD FACE EASTBOUND DIRECTION
- FNBD FACE NORTHBOUND DIRECTION
- FSBD FACE SOUTHBOUND DIRECTION



**SIGN PLAN**  
SCALE: 1" = 50'

REVISED BY  DATE REVISED  	DESIGNED BY: S. DWYER DRAWN BY: S. DWYER CHECKED BY: D. DICKINSON APPROVED BY: D. DICKINSON		<p>9-26-22 PLANS SUBMITTAL DATE</p>	<p>1111 BROADWAY, SUITE 300 OAKLAND, CA 94607 (510) 698-6300 (PHONE) (510) 444-2450 (FAX) www.wmhcorporation.com</p>			USERNAME => sdwyer CADD FILENAME => YB1Soc003.ADD.dgn CONTRACT NO.  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">SHEET NAME</td> <td style="width: 33%;">SHEET NO.</td> <td style="width: 33%;">TOTAL SHEETS</td> </tr> <tr> <td style="text-align: center;"><b>S-3</b></td> <td style="text-align: center;"><b>107</b></td> <td style="text-align: center;"><b>282</b></td> </tr> </table> LAST REVISION 2-2-23 DATE PLOTTED => 2/2/2023 TIME PLOTTED => 12:39:49 PM	SHEET NAME	SHEET NO.	TOTAL SHEETS	<b>S-3</b>	<b>107</b>	<b>282</b>
SHEET NAME	SHEET NO.	TOTAL SHEETS											
<b>S-3</b>	<b>107</b>	<b>282</b>											

BORDER LAST REVISED 9/21/2022



**CONFORMED BID SET**

C:\Users\scawyer\Desktop\Desktop\YB1\Refined Plans\YB1Soc003\_ADD.dgn

## Exhibit A – Terminated Contracts

Proposers must provide a list of contracts terminated (partially or completely) by clients for convenience or default within the past three (3) years. For each contract, the list must include the following information:

- Contract number;
- Contract value;
- Description of work;
- Sponsoring organization name; and
- Sponsoring organization key contact information, including name, title and current telephone number.

Proposer does not have any terminated contracts by clients for convenience or default within the past three (3) years.

---

Authorized Signature

---

Date Signed

---

Printed Name

---

Title

---

Firm Name



**Exhibit B- Workforce Data Spreadsheet #1  
Breakdown of existing employees**

Name of firm: \_\_\_\_\_

Address: \_\_\_\_\_

EMPLOYEE * CATEGORIES	TOTAL EMPLOYEE		AFRICAN AMERICAN		HISPANIC		ASIAN/ PAC. ISL.		AMER. IND./ ALAK. NTV.		TOTAL MINORITY		PERCENTAGE WHITE		PERCENTAGE MINORITY	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Officials																
Managers																
Professionals																
Technicians																
Admin. Support																
Trainees																
Others																
Full-time																
Part-time																
<b>TOTAL</b>																

COMPLETED BY Name: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

\* If the list of occupations on the left side of the workforce data form does not match your occupation titles, please modify the data form to indicate occupations particular to your organization.

**Exhibit B – Workforce Data Spreadsheet #2**  
**Breakdown of employees hired in last 12 months**

Name of firm: \_\_\_\_\_

Address: \_\_\_\_\_

EMPLOYEE CATEGORIES	TOTAL EMPLOYEE		AFRICAN AMERICAN		HISPANIC		ASIAN/ PAC. ISL.		AMER. IND./ ALAK. NTV.		TOTAL MINORITY		PERCENTAGE WHITE		PERCENTAGE MINORITY	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Officials																
Managers																
Professionals																
Technicians																
Admin. Support																
Trainees																
Others																
Full-time																
Part-time																
<b>TOTAL</b>																

COMPLETED BY Name: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

\* If the list of occupations on the left side of the workforce data form does not match your occupation titles, please modify the data form to indicate occupations particular to your organization.

**EXHIBIT 10-01 CONSULTANT PROPOSAL DBE COMMITMENT**

1. Local Agency: \_\_\_\_\_ 2. Contract DBE Goal: \_\_\_\_\_  
 3. Project Description: \_\_\_\_\_  
 4. Project Location: \_\_\_\_\_  
 5. Consultant's Name: \_\_\_\_\_ 6. Prime Certified DBE:

7. Description of Work, Service, or Materials Supplied	8. DBE Certification Number	9. DBE Contact Information	10. DBE %
<b>Local Agency to Complete this Section</b>		<b>11. TOTAL CLAIMED DBE PARTICIPATION</b>	%
17. Local Agency Contract Number: _____ 18. Federal-Aid Project Number: _____  Consultant's Ranking after Evaluation: _____  Local Agency certifies that all DBE certifications are valid and information on this form is complete and accurate.	IMPORTANT: Identify all DBE firms being claimed for credit, regardless of tier. Written confirmation of each listed DBE is required.  _____ 12. Preparer's Signature                      13. Date  _____ 14. Preparer's Name                              15. Phone  _____ 16. Preparer's Title		
_____ 21. Local Agency Representative's Signature      22. Date  _____ 23. Local Agency Representative's Name              24. Phone  _____ 25. Local Agency Representative's Title			

DISTRIBUTION: Original – Included with consultant's proposal to local agency.

**ADA Notice:** For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.



**INSTRUCTIONS – CONSULTANT PROPOSAL DBE COMMITMENT**CONSULTANT SECTION

- 1. Local Agency** - Enter the name of the local or regional agency that is funding the contract.
- 2. Contract DBE Goal** - Enter the contract DBE goal percentage as it appears on the project advertisement.
- 3. Project Location** - Enter the project location as it appears on the project advertisement.
- 4. Project Description** - Enter the project description as it appears on the project advertisement (Bridge Rehab, Seismic Rehab, Overlay, Widening, etc.).
- 5. Consultant's Name** - Enter the consultant's firm name.
- 6. Prime Certified DBE** - Check box if prime contractor is a certified DBE.
- 7. Description of Work, Services, or Materials Supplied** - Enter description of work, services, or materials to be provided. Indicate all work to be performed by DBEs including work performed by the prime consultant's own forces, if the prime is a DBE. If 100% of the item is not to be performed or furnished by the DBE, describe the exact portion to be performed or furnished by the DBE. See LAPM Chapter 9 to determine how to count the participation of DBE firms.
- 8. DBE Certification Number** - Enter the DBE's Certification Identification Number. All DBEs must be certified on the date bids are opened.
- 9. DBE Contact Information** - Enter the name, address, and phone number of all DBE subcontracted consultants. Also, enter the prime consultant's name and phone number, if the prime is a DBE.
- 10. DBE %** - Percent participation of work to be performed or service provided by a DBE. Include the prime consultant if the prime is a DBE. See LAPM Chapter 9 for how to count full/partial participation.
- 11. Total Claimed DBE Participation %** - Enter the total DBE participation claimed. If the total % claimed is less than item "Contract DBE Goal," an adequately documented Good Faith Effort (GFE) is required (see Exhibit 15-H DBE Information - Good Faith Efforts of the LAPM).
- 12. Preparer's Signature** - The person completing the DBE commitment form on behalf of the consultant's firm must sign their name.
- 13. Date** - Enter the date the DBE commitment form is signed by the consultant's preparer.
- 14. Preparer's Name** - Enter the name of the person preparing and signing the consultant's DBE commitment form.
- 15. Phone** - Enter the area code and phone number of the person signing the consultant's DBE commitment form.
- 16. Preparer's Title** - Enter the position/title of the person signing the consultant's DBE commitment form.

LOCAL AGENCY SECTION

- 17. Local Agency Contract Number** - Enter the Local Agency contract number or identifier.
- 18. Federal-Aid Project Number** - Enter the Federal-Aid Project Number.
- 19. Proposed Contract Execution Date** - Enter the proposed contract execution date.
- 20. Consultant's Ranking after Evaluation** - Enter consultant's ranking after all submittals/consultants are evaluated. Use this as a quick comparison for evaluating most qualified consultant.
- 21. Local Agency Representative's Signature** - The person completing this section of the form for the Local Agency must sign their name to certify that the information in this and the Consultant Section of this form is complete and accurate.
- 22. Date** - Enter the date the DBE commitment form is signed by the Local Agency Representative.
- 23. Local Agency Representative's Name** - Enter the name of the Local Agency Representative certifying the consultant's DBE commitment form.
- 24. Phone** - Enter the area code and phone number of the person signing the consultant's DBE commitment form.
- 25. Local Agency Representative Title** - Enter the position/title of the Local Agency Representative certifying the consultant's DBE commitment form.

**EXHIBIT 10-O2 CONSULTANT CONTRACT DBE COMMITMENT**

1. Local Agency: \_\_\_\_\_ 2. Contract DBE Goal: \_\_\_\_\_  
 3. Project Description: \_\_\_\_\_  
 4. Project Location: \_\_\_\_\_  
 5. Consultant's Name: \_\_\_\_\_ 6. Prime Certified DBE:  7. Total Contract Award Amount: \_\_\_\_\_  
 8. Total Dollar Amount for **ALL** Subconsultants: \_\_\_\_\_ 9. Total Number of **ALL** Subconsultants: \_\_\_\_\_

10. Description of Work, Service, or Materials Supplied	11. DBE Certification Number	12. DBE Contact Information	13. DBE Dollar Amount
<b>Local Agency to Complete this Section</b>			\$
20. Local Agency Contract Number: _____ 21. Federal-Aid Project Number: _____ 22. Contract Execution Date: _____			%
Local Agency certifies that all DBE certifications are valid and information on this form is complete and accurate.			
			<b>14. TOTAL CLAIMED DBE PARTICIPATION</b>
23. Local Agency Representative's Signature _____ 24. Date _____			IMPORTANT: Identify all DBE firms being claimed for credit, regardless of tier. Written confirmation of each listed DBE is required.  15. Preparer's Signature _____ 16. Date _____
25. Local Agency Representative's Name _____ 26. Phone _____			17. Preparer's Name _____ 18. Phone _____
27. Local Agency Representative's Title _____			19. Preparer's Title _____

**DISTRIBUTION:** 1. Original – Local Agency  
 2. Copy – Caltrans District Local Assistance Engineer (DLAE). Failure to submit to DLAE within 30 days of contract execution may result in de-obligation of federal funds on contract.

**ADA Notice:** For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

**INSTRUCTIONS – CONSULTANT CONTRACT DBE COMMITMENT**CONSULTANT SECTION

- 1. Local Agency** - Enter the name of the local or regional agency that is funding the contract.
- 2. Contract DBE Goal** - Enter the contract DBE goal percentage as it appears on the project advertisement.
- 3. Project Description** - Enter the project description as it appears on the project advertisement (Bridge Rehab, Seismic Rehab, Overlay, Widening, etc).
- 4. Project Location** - Enter the project location as it appears on the project advertisement.
- 5. Consultant's Name** - Enter the consultant's firm name.
- 6. Prime Certified DBE** - Check box if prime contractor is a certified DBE.
- 7. Total Contract Award Amount** - Enter the total contract award dollar amount for the prime consultant.
- 8. Total Dollar Amount for ALL Subconsultants** – Enter the total dollar amount for all subcontracted consultants. SUM = (DBEs + all Non-DBEs). Do not include the prime consultant information in this count.
- 9. Total number of ALL subconsultants** – Enter the total number of all subcontracted consultants. SUM = (DBEs + all Non-DBEs). Do not include the prime consultant information in this count.
- 10. Description of Work, Services, or Materials Supplied** - Enter description of work, services, or materials to be provided. Indicate all work to be performed by DBEs including work performed by the prime consultant's own forces, if the prime is a DBE. If 100% of the item is not to be performed or furnished by the DBE, describe the exact portion to be performed or furnished by the DBE. See LAPM Chapter 9 to determine how to count the participation of DBE firms.
- 11. DBE Certification Number** - Enter the DBE's Certification Identification Number. All DBEs must be certified on the date bids are opened.
- 12. DBE Contact Information** - Enter the name, address, and phone number of all DBE subcontracted consultants. Also, enter the prime consultant's name and phone number, if the prime is a DBE.
- 13. DBE Dollar Amount** - Enter the subcontracted dollar amount of the work to be performed or service to be provided. Include the prime consultant if the prime is a DBE. See LAPM Chapter 9 for how to count full/partial participation.
- 14. Total Claimed DBE Participation** - \$: Enter the total dollar amounts entered in the "DBE Dollar Amount" column. %: Enter the total DBE participation claimed ("Total Participation Dollars Claimed" divided by item "Total Contract Award Amount"). If the total % claimed is less than item "Contract DBE Goal," an adequately documented Good Faith Effort (GFE) is required (see Exhibit 15-H DBE Information - Good Faith Efforts of the LAPM).
- 15. Preparer's Signature** - The person completing the DBE commitment form on behalf of the consultant's firm must sign their name.
- 16. Date** - Enter the date the DBE commitment form is signed by the consultant's preparer.
- 17. Preparer's Name** - Enter the name of the person preparing and signing the consultant's DBE commitment form.
- 18. Phone** - Enter the area code and phone number of the person signing the consultant's DBE commitment form.
- 19. Preparer's Title** - Enter the position/title of the person signing the consultant's DBE commitment form.

LOCAL AGENCY SECTION

- 20. Local Agency Contract Number** - Enter the Local Agency contract number or identifier.
- 21. Federal-Aid Project Number** - Enter the Federal-Aid Project Number.
- 22. Contract Execution Date** - Enter the date the contract was executed.
- 23. Local Agency Representative's Signature** - The person completing this section of the form for the Local Agency must sign their name to certify that the information in this and the Consultant Section of this form is complete and accurate.
- 24. Date** - Enter the date the DBE commitment form is signed by the Local Agency Representative.
- 25. Local Agency Representative's Name** - Enter the name of the Local Agency Representative certifying the consultant's DBE commitment form.
- 26. Phone** - Enter the area code and phone number of the person signing the consultant's DBE commitment form.
- 27. Local Agency Representative Title** - Enter the position/title of the Local Agency Representative certifying the consultant's DBE commitment form.



**EXHIBIT 15-H: PROPOSER/CONTRACTOR GOOD FAITH EFFORTS**

Cost Proposal Due Date \_\_\_\_\_ PE/CE

Federal-aid Project No(s). \_\_\_\_\_ Bid Opening Date \_\_\_\_\_ CON

The \_\_\_\_\_ established a Disadvantaged Business Enterprise (DBE) goal of \_\_\_\_\_ for this contract. The information provided herein shows the required good faith efforts to meet or exceed the DBE contract goal.

Proposers or bidders submit the following information to document their good faith efforts within five (5) calendar days from cost proposal due date or bid opening. Proposers and bidders are recommended to submit the following information even if the Exhibit 10-O1: Consultant Proposal DBE Commitments or Exhibit 15-G: Construction Contract DBE Commitment indicate that the proposer or bidder has met the DBE goal. This form protects the proposer’s or bidder’s eligibility for award of the contract if the administering agency determines that the bidder failed to meet the goal for various reasons, e.g., a DBE firm was not certified at bid opening, or the bidder made a mathematical error.

The following items are listed in the Section entitled “Submission of DBE Commitment” of the Special Provisions, **please attach additional sheets as needed:**

- A. The names and dates of each publication in which a request for DBE participation for this project was placed by the bidder (please attach copies of advertisements or proofs of publication):

Publications	Dates of Advertisement

- B. The names and dates of written notices sent to certified DBEs soliciting bids for this project and the dates and methods used for following up initial solicitations to determine with certainty whether the DBEs were interested (please attach copies of solicitations, telephone records, fax confirmations, etc.):

Names of DBEs Solicited	Date of Initial Solicitation	Follow Up Methods and Dates

- C. The items of work made available to DBE firms including those unbundled contract work items into economically feasible units to facilitate DBE participation. It is the bidder's responsibility to demonstrate that sufficient work to facilitate DBE participation in order to meet or exceed the DBE contract goal.

Items of Work	Proposer or Bidder Normally Performs Item (Y/N)	Breakdown of Items	Amount (\$)	Percentage Of Contract

- D. The names, addresses and phone numbers of rejected DBE firms, the reasons for the bidder's rejection of the DBEs, the firms selected for that work (please attach copies of quotes from the firms involved), and the price difference for each DBE if the selected firm is not a DBE:

Names, addresses and phone numbers of rejected DBEs and the reasons for the bidder's rejection of the DBEs:

Names, addresses and phone numbers of firms selected for the work above:

- E. Efforts (e.g. in advertisements and solicitations) made to assist interested DBEs in obtaining information related to the plans, specifications and requirements for the work which was provided to DBEs:

F. Efforts (e.g. in advertisements and solicitations) made to assist interested DBEs in obtaining bonding, lines of credit or insurance, necessary equipment, supplies, materials, or related assistance or services, excluding supplies and equipment the DBE subcontractor purchases or leases from the prime contractor or its affiliate:

G. The names of agencies, organizations or groups contacted to provide assistance in contacting, recruiting and using DBE firms (please attach copies of requests to agencies and any responses received, i.e., lists, Internet page download, etc.):

Name of Agency/Organization	Method/Date of Contact	Results

H. Any additional data to support a demonstration of good faith efforts:



EXHIBIT 10-Q DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

<p><b>1. Type of Federal Action:</b></p> <p><input type="checkbox"/> a. contract  <input type="checkbox"/> b. grant  <input type="checkbox"/> c. cooperative agreement  <input type="checkbox"/> d. loan  <input type="checkbox"/> e. loan guarantee  <input type="checkbox"/> f. loan insurance</p>	<p><b>2. Status of Federal Action:</b></p> <p><input type="checkbox"/> a. bid/offer/application  <input type="checkbox"/> b. initial award  <input type="checkbox"/> c. post-award</p>	<p><b>3. Report Type:</b></p> <p><input type="checkbox"/> a. initial  <input type="checkbox"/> b. material change</p> <p><b>For Material Change Only:</b>  year ____ quarter ____  date of last report _____</p>
<p><b>4. Name and Address of Reporting Entity</b></p> <p><input type="checkbox"/> Prime                      <input type="checkbox"/> Subawardee  Tier _____, if known</p> <p>Congressional District, if known _____</p>	<p><b>5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</b></p> <p>Congressional District, if known _____</p>	
<p><b>6. Federal Department/Agency:</b></p>	<p><b>7. Federal Program Name/Description:</b></p> <p>CFDA Number, if applicable _____</p>	
<p><b>8. Federal Action Number, if known:</b></p>	<p><b>9. Award Amount, if known:</b></p>	
<p><b>10. Name and Address of Lobby Entity</b>  (If individual, last name, first name, MI)</p> <p>(attach Continuation Sheet(s) if necessary)</p>	<p><b>11. Individuals Performing Services</b>  (including address if different from No. 10)  (last name, first name, MI)</p>	
<p><b>12. Amount of Payment (check all that apply)</b></p> <p>\$ _____ <input type="checkbox"/> actual    <input type="checkbox"/> planned</p>	<p><b>14. Type of Payment (check all that apply)</b></p> <p><input type="checkbox"/> a. retainer  <input type="checkbox"/> b. one-time fee  <input type="checkbox"/> c. commission  <input type="checkbox"/> d. contingent fee  <input type="checkbox"/> e. deferred  <input type="checkbox"/> f. other, specify _____</p>	
<p><b>13. Form of Payment (check all that apply):</b></p> <p><input type="checkbox"/> a. cash  <input type="checkbox"/> b. in-kind; specify: nature _____  Value _____</p>		
<p><b>15. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 12:</b></p> <p>(attach Continuation Sheet(s) if necessary)</p>		
<p><b>16. Continuation Sheet(s) attached:</b>      Yes <input type="checkbox"/>      No <input type="checkbox"/></p>		
<p><b>17. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b></p>		
		<p>Signature: _____  Print Name: _____  Title: _____  Telephone No.: _____ Date: _____</p>
		<p>Authorized for Local Reproduction  Standard Form - LLL</p>
<p><b>Federal Use Only:</b></p>		

Standard Form LLL Rev. 04-28-06

Distribution: Orig- Local Agency Project Files

**INSTRUCTIONS FOR COMPLETING EXHIBIT 10-Q DISCLOSURE OF LOBBYING ACTIVITIES**

This disclosure form shall be completed by the reporting entity, whether subawardee or prime federal recipient at the initiation or receipt of covered federal action or a material change to previous filing pursuant to title 31 U.S.C. Section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered federal action for which lobbying activity is or has been secured to influence, the outcome of a covered federal action.
2. Identify the status of the covered federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered federal action.
4. Enter the full name, address, city, state, and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to: subcontracts, subgrants, and contract awards under grants.
5. If the organization filing the report in Item 4 checks "Subawardee" then enter the full name, address, city, state, and zip code of the prime federal recipient. Include Congressional District, if known.
6. Enter the name of the federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the federal program name or description for the covered federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
8. Enter the most appropriate federal identifying number available for the federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant, or loan award number, the application/proposal control number assigned by the federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered federal action where there has been an award or loan commitment by the Federal agency, enter the federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. Enter the full name, address, city, state, and zip code of the lobbying entity engaged by the reporting entity identified in Item 4 to influence the covered federal action.
11. Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (MI).
12. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (Item 4) to the lobbying entity (Item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
13. Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
14. Check all boxes that apply. If other, specify nature.
15. Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with federal officials. Identify the federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.
16. Check whether or not a continuation sheet(s) is attached.
17. The certifying official shall sign and date the form, and print his/her name title and telephone number.

Public reporting burden for this collection of information is estimated to average 30-minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503. SF-LLL-Instructions Rev. 06-04

**EXHIBIT 10-H1 COST PROPOSAL** Page 1 of 3

**COST-PLUS-FIXED FEE OR LUMP SUM OR FIRM FIXED PRICE CONTRACTS**

(DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Note: Mark-ups are Not Allowed

Prime Consultant     Subconsultant     2<sup>nd</sup> Tier Subconsultant

Consultant \_\_\_\_\_

Project No. \_\_\_\_\_ Contract No. \_\_\_\_\_ Date \_\_\_\_\_

**DIRECT LABOR**

Classification/Title	Name	Hours	Actual Hourly Rate	Total
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**LABOR COSTS**

a) Subtotal Direct Labor Costs \_\_\_\_\_

b) Anticipated Salary Increases (see page 2 for calculation) \_\_\_\_\_

c) **TOTAL DIRECT LABOR COSTS [(a) + (b)]** \_\_\_\_\_

**INDIRECT COSTS**

d) Fringe Benefits (Rate: \_\_\_\_\_ )      e) Total Fringe Benefits [(c) x (d)] \_\_\_\_\_

f) Overhead (Rate: \_\_\_\_\_ )      g) Overhead [(c) x (f)] \_\_\_\_\_

h) General and Administrative (Rate: \_\_\_\_\_ )      i) Gen & Admin [(c) x (h)] \_\_\_\_\_

j) **TOTAL INDIRECT COSTS [(e) + (g) + (i)]** \_\_\_\_\_

**FIXED FEE**

k) **TOTAL FIXED FEE [(c) + (j) x fixed fee \_\_\_\_\_ ]** \_\_\_\_\_

**l) CONSULTANT'S OTHER DIRECT COSTS (ODC) – ITEMIZE (Add additional pages if necessary)**

Description of Item	Quantity	Unit	Unit Cost	Total

l) **TOTAL OTHER DIRECT COSTS** \_\_\_\_\_

**m) SUBCONSULTANTS' COSTS (Add additional pages if necessary)**

Subconsultant 1: \_\_\_\_\_

Subconsultant 2: \_\_\_\_\_

Subconsultant 3: \_\_\_\_\_

Subconsultant 4: \_\_\_\_\_

m) **TOTAL SUBCONSULTANTS' COSTS** \_\_\_\_\_

n) **TOTAL OTHER DIRECT COSTS INCLUDING SUBCONSULTANTS [(l)+(m)]** \_\_\_\_\_

**TOTAL COST [(c) + (j) + (k) + (n)]** \_\_\_\_\_

NOTES:

- Key personnel **must** be marked with an asterisk (\*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (\*\*). All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended. Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognizant agency or accepted by Caltrans.
- Anticipated salary increases calculation (page 2) must accompany.



**EXHIBIT 10-H1 COST PROPOSAL** Page 2 of 3  
**COST-PLUS-FIXED FEE OR LUMP SUM OR FIRM FIXED PRICE CONTRACTS**  
(CALCULATIONS FOR ANTICIPATED SALARY INCREASES)

**1. Calculate Average Hourly Rate for 1st year of the contract (Direct Labor Subtotal divided by total hours)**

Direct Labor Subtotal per Cost Proposal	Total Hours per Cost Proposal	=	Avg Hourly Rate	5 Year Contract Duration
\$250,000.00	500		\$50.00	Year 1 Avg Hourly Rate

**2. Calculate hourly rate for all years (Increase the Average Hourly Rate for a year by proposed escalation %)**

	Avg Hourly Rate		Proposed Escalation			
Year 1	\$50.00	+	2%	=	\$51.00	Year 2 Avg Hourly Rate
Year 2	\$51.00	+	2%	=	\$52.02	Year 3 Avg Hourly Rate
Year 3	\$52.02	+	2%	=	\$53.06	Year 4 Avg Hourly Rate
Year 4	\$53.06	+	2%	=	\$54.12	Year 5 Avg Hourly Rate

**3. Calculate estimated hours per year (Multiply estimate % each year by total hours)**

	Estimated % Completed Each Year		Total Hours per Cost Proposal		Total Hours per Year	
Year 1	20.0%	*	5000	=	1000	Estimated Hours Year 1
Year 2	40.0%	*	5000	=	2000	Estimated Hours Year 2
Year 3	15.0%	*	5000	=	750	Estimated Hours Year 3
Year 4	15.0%	*	5000	=	750	Estimated Hours Year 4
Year 5	100%	*	5000	=	500	Estimated Hours Year 5
Total	100%		Total	=	5000	

**4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)**

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	\$50.00	*	1000	=	\$50,000.00	Estimated Hours Year 1
Year 2	\$51.00	*	2000	=	\$102,000.00	Estimated Hours Year 2
Year 3	\$52.02	*	750	=	\$39,015.00	Estimated Hours Year 3
Year 4	\$53.06	*	750	=	\$39,795.30	Estimated Hours Year 4
Year 5	\$54.12	*	500	=	\$27,060.80	Estimated Hours Year 5
	Total Direct Labor Cost with Escalation			=	\$257,871.10	
	Direct Labor Subtotal before Escalation			=	\$250,000.00	
	Estimated total of Direct Labor Salary Increase			=	\$7,871.10	Transfer to Page 1

**NOTES:**

1. This is not the only way to estimate salary increases. Other methods will be accepted if they clearly indicate the % increase, the # of years of the contract, and a breakdown of the labor to be performed each year.
2. An estimation that is based on direct labor multiplied by salary increase % multiplied by the # of years is not acceptable.  
(i.e. \$250,000 x 2% x 5 yrs = \$25,000 is not an acceptable methodology)
3. This assumes that one year will be worked at the rate on the cost proposal before salary increases are granted.
4. Calculations for anticipated salary escalation must be provided.

EXHIBIT 10-H1 COST PROPOSAL Page 3 of 3

**Certification of Direct Costs:**

I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are actual, reasonable, allowable, and allocable to the contract in accordance with the contract terms and the following requirements:

1. Generally Accepted Accounting Principles (GAAP)
2. Terms and conditions of the contract
3. [Title 23 United States Code Section 112](#) - Letting of Contracts
4. [48 Code of Federal Regulations Part 31](#) - Contract Cost Principles and Procedures
5. [23 Code of Federal Regulations Part 172](#) - Procurement, Management, and Administration of Engineering and Design Related Service
6. [48 Code of Federal Regulations Part 9904 - Cost Accounting Standards Board](#) (when applicable)

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files and be in compliance with applicable federal and state requirements. Costs that are noncompliant with the federal and state requirements are not eligible for reimbursement. Local governments are responsible for applying only cognizant agency approved or Caltrans accepted Indirect Cost Rate(s).

**Prime Consultant or Subconsultant Certifying:**

Name: \_\_\_\_\_ Title \*: \_\_\_\_\_

Signature : \_\_\_\_\_ Date of Certification (mm/dd/yyyy): \_\_\_\_\_

Email: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Address: \_\_\_\_\_

\*An individual executive or financial officer of the consultant’s or subconsultant’s organization at a level no lower than a Vice President or a Chief Financial Officer, or equivalent, who has authority to represent the financial information utilized to establish the cost proposal for the contract.

List services the consultant is providing under the proposed contract: