

**AGENDA
MEETING OF THE BOARD OF COMMISSIONERS
HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT**

DATE: May 23, 2019

TIME: Executive Closed Session 6:00 P.M.
Regular Session 7:00 P.M.

PLACE: Woodley Island Marina Meeting Room

The Meeting Room is wheelchair accessible. Accommodations and access to Harbor District meetings for people with other handicaps must be requested of the Director of Administrative Services at 443-0801 at least 24 hours in advance of the meeting.

1. Call to Order Closed Session at 6:00 P.M.

2. Public Comment

Note: This portion of the Agenda allows the public to speak to the Board on the various issues not itemized on this Agenda. A member of the public may also request that a matter appearing on the Consent Calendar be pulled and discussed separately. Pursuant to the Brown Act, the Board may not take action on any item that does not appear on the Agenda. Each speaker is limited to speak for a period of three (3) minutes regarding each item on the Agenda. Each speaker is limited to speak for a period of three (3) minutes during the PUBLIC COMMENT portion of the Agenda regarding items of special interest to the public not appearing on the Agenda that are within the subject matter jurisdiction of the Board of Commissioners. The three (3) minute time limit may not be transferred to other speakers. The three (3) minute time limit for each speaker may be extended by the President of the Board of Commissioners or the Presiding Member of the Board of Commissioners at the regular meeting of the District. The three (3) minute time limit for each speaker may be enforced by the President of the Board of Commissioners or the Presiding Member of the Board of Commissioners at the regular meeting of the District.

3. Move to Executive Closed Session

- a) CONFERENCE WITH REAL PROPERTY NEGOTIATORS.** Terms of potential purchase of real property with Assessor's Parcel Numbers 401-011-001, 401-011-010, 401-011-012, 401-011-018, 401-011-020, 401-011-023, 401-021-011, 401-021-018, 401-021-027, 401-011-028, 401-021-029, and 401-031-045 on the Samoa Peninsula, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Platz, District Counsel. Negotiating party: Tim Callison. Under negotiation: price and payment terms.
- b) CONFERENCE WITH REAL PROPERTY NEGOTIATORS.** Terms of potential purchase of real property with Assessor's Parcel Numbers 401-012-021 and Lease PRC 3186.1 on the Samoa Peninsula, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Platz, District Counsel. Negotiating party: Inyo Networks Inc. Under negotiation: price and payment terms.
- c) CONFERENCE WITH REAL PROPERTY NEGOTIATORS.** Terms of potential purchase of real property with Assessor's Parcel Numbers 307-101-002 in Fields Landing, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Platz, District Counsel. Negotiating party: Terra-Gen, LLC. Under negotiation: price and payment terms.
- d) CONFERENCE WITH REAL PROPERTY NEGOTIATORS.** Terms of potential purchase of real property with Assessor's Parcel Numbers 401-031-040 on the Samoa Peninsula, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Platz, District Counsel. Under negotiation: price and payment terms.
- e) CONFERENCE WITH REAL PROPERTY NEGOTIATORS.** Terms of potential acquisition and/or lease of real property on the Samoa Peninsula, Humboldt County, with Assessor's Parcel Numbers, 401-112-021 and 401-112-024 pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: Steven Mueller. Under negotiation: price and payment terms.

Agenda for May 23, 2019 Regular Board Meeting

- 4. Call to Order Regular Session at 7:00 P.M. and Roll Call**
- 5. Pledge of Allegiance**
- 6. Report on Executive Closed Session**
- 7. Public Comment**

Note: This portion of the Agenda allows the public to speak to the Board on the various issues not itemized on this Agenda. A member of the public may also request that a matter appearing on the Consent Calendar be pulled and discussed separately. Pursuant to the Brown Act, the Board may not take action on any item that does not appear on the Agenda. Each speaker is limited to speak for a period of three (3) minutes regarding each item on the Agenda. Each speaker is limited to speak for a period of three (3) minutes during the PUBLIC COMMENT portion of the Agenda regarding items of special interest to the public not appearing on the Agenda that are within the subject matter jurisdiction of the Board of Commissioners. The three (3) minute time limit may not be transferred to other speakers. The three (3) minute time limit for each speaker may be extended by the President of the Board of Commissioners or the Presiding Member of the Board of Commissioners at the regular meeting of the District. The three (3) minute time limit for each speaker may be enforced by the President of the Board of Commissioners or the Presiding Member of the Board of Commissioners at the regular meeting of the District.

8. Consent Calendar

- a) Approval of Meeting Minutes for April 25, 2019 Regular Board Meeting
- b) Approval of Meeting Minutes for May 8, 2019 Special Board Meeting
- c) Receive District Financial Reports for January 2019
- d) Receive District Financial Reports for February 2019
- e) Receive District Financial Reports for March 2019
- f) Letter of Support for North Coast Rail Authority Funding

9. Communications and Reports

- a) Executive Director's Report
- b) Staff Reports
- c) District Counsel and District Treasurer Reports
- d) Commissioner and Committee Reports
- e) Others – Report on Dredging Permits for Woodley Island Marina and Fields Landing Boat Yard

10. Unfinished Business

- a) **Update on Emergency Shoaling Conditions near Buoy 9 and letter written to USACOE**
- b) **Update on Woodley Island Marina and Fields Landing Boat Yard Harbor District Dredging Permit amendments to allow upland disposal for beneficial reuse**
- c) **Consideration of Resolution 2019-06, A Resolution Establishing Findings Relative to the Permit Application by the California Department of Transportation for Work Associated with the Eureka-Arcata Route 101 Corridor Improvement Project**

Recommendation: Staff recommends the Board: Adopt Resolution 2019-06 establishing findings in accordance with the California Environmental Quality Act (CEQA) for implementation of the Eureka-Arcata Route 101 Corridor Improvement Project.

Summary: Caltrans proposes to improve public safety and infrastructure along the Eureka-Arcata Route 101 Corridor by eliminating uncontrolled left turns, adding a grade separated intersection at Indianola Road, adding a partial signal at Airport road, extending and/or constructing various acceleration and deceleration lanes, replacing and upgrading bridge rails and guard rails, installing a cable median barrier, replacing the southbound Jacoby Creek bridge, and replacing six (6) tide gates on culverts. The replacement of the southbound Jacoby Creek bridge, the bridge rail upgrades at northbound Jacoby Creek Bridge and northbound Gannon Slough Bridge, and the tide gate replacement elements of the project fall within the regulatory jurisdiction of the District as they

Agenda for May 23, 2019 Regular Board Meeting

require work below the Mean Higher High Water level. Mitigation for this work is being developed as a separate project and, if needed, will be considered under a separate permit application to the District.

d) Consideration of Granting to the California Department of Transportation Permit 2018-01 for Work Associated with the Eureka-Arcata Route 101 Corridor Improvement Project

Recommendation: Staff recommends the Board: Grant Permit 2018-01 to the California Department of Transportation.

Summary: The proposed Permit 2018-01 would allow the California Department of Transportation to proceed with work associated with the Eureka-Arcata Route 101 Corridor Improvement Project consisting of the replacement of the southbound Jacoby Creek bridge, bridge rail upgrades at Northbound Jacoby Creek Bridge and Northbound Gannon Slough Bridge, and replacement of six (6) tide gates between post miles 79.9 and 86.3.

11. New Business

a) Receive a Report from Humboldt County Office of Economic Development Regarding Samoa Peninsula Infrastructure

b) Consideration of Resolution 2019-07, A Resolution to Authorize the Execution of a Grant Agreement and Accept Funds from the California Department of Fish and Wildlife for Secretariat Services for the Harbor Safety Committee of the Humboldt Bay Area for Fiscal Year 2019-2020

Recommendation: Staff recommends the Board: Adopt Resolution 2019-07.

Summary: The California Department of Fish and Wildlife (CDFW) Office of Spill Prevention and Response (OSPR) in compliance with the Lempert-Keene-Seastrand Oil Spill Prevention and Response Act of 1990 established five regional Harbor Safety Committees (HSC) throughout California as described in California Government Code 8670.23. Each HSC is responsible for planning for the safe navigation and operation of tankers, barges and other vessels within each of California's major harbors, and must produce an annual Harbor Safety Plan (HSP) encompassing all vessel traffic within the harbor. These functions are essential to the consistent achievement of maritime safety and the prevention of major marine oil pollution incidents.

To ensure that HSCs have the necessary resources to execute their designated duties, the OSPR Administrator has made grant funds available in each region to provide an executive secretariat to act as the coordinator for facilitating all communications between HSCs, subcommittees, and the OSPR. The CDFW has approved the Humboldt Bay Harbor, Recreation and Conservation District to conduct the Secretariat Services for the HSC of the Humboldt Bay Area, and to receive payment for these services.

c) Consideration of Acceptance of Permit Application 2019-02 for Filing

Recommendation: Staff recommends the Board: Accept Permit Application 2019-02 for filing, and direct Staff to process the application and prepare the required environmental documents in compliance with the California Environmental Quality Act (CEQA).

Summary: Pacific Gas and Electric (PGE) has submitted to the District an application for work on three (3) gas transmission pipelines that cross creeks or sloughs or are located alongside a creek, which is being proposed as a single bundled project for the purposes of planning and regulatory permitting. The project includes decommissioning and removal of pipeline, installation of replacement pipeline, and remediation of significant erosion that has exposed a section of pipeline. Construction is planned for 2020, with in-water work restricted to the July 1 – October 15 aquatic work window.

d) FY 2019-20 District Budget Preparation – draft goals revenues and expenditures by programmatic activity

Recommendation: Staff recommends that the Board: Receive a report of the draft goals, income and expenditures for RMT I, RMT II and Shelter Cove.

Summary: The Budget is prepared annually under direction of the Executive Director. In accordance with CA Harbors and Navigation Code Section 6093, on or before June 15, the District Board shall estimate and

Agenda for May 23, 2019 Regular Board Meeting

determine the amount of money required by the Harbor District and shall adopt a preliminary budget. Per Section 6093.3, the final budget shall be reported to the Board of Supervisors not later than August 1st.

12. Administrative and Emergency Permits

a) Emergency Permit E-2019-03 Caltrans Tide Gate Replacement

Recommendation: Staff recommends the Board: Accept notification of the following Emergency Permit issued by the Executive Director.

Summary: On December 21, 2018, the California Department of Transportation (Caltrans) was notified of a failure of the dual box tide gate system located at post mile 80.8 on Highway 101 northbound behind the Farm Store on Airport Road. Inspections showed that one tide gate had failed completely, and the other gate was partially failed, allowing water from Eureka Slough to backflow through the system into the adjacent fresh water drainage channel. The influx of water into this channel caused substantial flooding affecting multiple businesses along Jacobs Avenue, county roadway, state Highway and a mobile home park. The failure of the tide gates combined with the extreme high tides of December 2018 and the significant storm events resulted in a determination that emergency repairs were necessary to prevent or mitigate loss of, or damage to, life, health, property, and essential public services.

13. Adjournment

**DRAFT MINUTES
MEETING OF THE BOARD OF COMMISSIONERS
HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT**

April 25, 2019

The Humboldt Bay Harbor, Recreation and Conservation District met in regular session on the above date at 7:00 P.M. Open Session, at the Woodley Island Marina Meeting Room, 601 Startare Drive, Eureka, CA 95501.

OPEN SESSION – 7:02 P.M.

ROLL CALL

PRESENT: KULLMANN
MARKS
HIGGINS
DOSS

ABSENT: DALE

QUORUM: YES

PLEDGE OF ALLEGIANCE

PUBLIC COMMENT: The following individuals addressed the Commission regarding subject matters not on this meeting's agenda: None.

CONSENT CALENDAR

- a) Approval of Meeting Minutes for March 28, 2019.
- b) Approval of Permit and Agreement Renewal to Operate a Charter Service Business with R. Charles and Kim Class, dba First Class.
 - I. COMMISSIONER MARKS MOVED TO APPROVE THE CONSENT CALENDAR ITEMS A-B. COMMISSIONER HIGGINS SECONDED.
 - II. Vice Chair Kullmann opened the item to public comment. No members of the public commented.
 - III. Vice Chair Kullmann moved the discussion back to the Commission. VOICE VOTE WAS CALLED, MOTION CARRIED WITHOUT DISSENT.
 - Ayes: MARKS, KULLMANN, DOSS, HIGGINS
 - Noes: NONE
 - Absent: DALE
 - Abstain: NONE

COMMUNICATIONS AND REPORTS

- a) **Executive Director's Report**
 - I. Executive Director was absent, no report.
- b) **Staff Reports**
 - I. Staff presented on recent District activities including the Brownfield cleanup at RMTII.
- c) **District Counsel and District Treasurer Reports**
 - I. No report.
- d) **Commissioner and Committee Reports**
 - I. Commissioners reported on their recent activities.
- e) **Other**
 - I. None.

UNFINISHED BUSINESS

- a) **Consideration of Resolution 2019-06, A Resolution Establishing Findings Relative to the Permit Application by the California Department of Transportation for Work Associated with the Eureka-Arcata Route 101 Corridor Improvement Project.**
 - I. COMMISSIONER DOSS MADE A MOTION TO ACCEPT RESOLUTION 2019-06 ESTABLISHING FINDINGS RELATIVE TO THE PERMIT APPLICATION BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION FOR WORK ASSOCIATED WITH THE EUREKA-ARCATA ROUTE 101 CORRIDOR IMPROVEMENT PROJECT. COMMISSIONER HIGGINS SECONDED.

Draft Minutes for April 25, 2019 Regular Board Meeting

- II. District staff and Caltrans staff Jason Meyer presented the item.
- III. The Commission discussed the item.
- IV. Vice Chair Kullmann opened the item to public comment. Karen Brooks, Judy Herman, Jennifer Kalt and Jason Meyer commented.
- V. Vice Chair Kullmann moved the discussion back to the Commission.
COMMISSIONER HIGGINS WITHDREW HIS SECOND.
- VI. COMMISSIONER HIGGINS MADE A NEW MOTION TO TABLE THE ITEM UNTIL THE NEXT BOARD MEETING AND CREATE A SUBCOMMITTEE IN ORDER TO COLLECT MORE INFORMATION.
COMMISSIONER MARKS SECONDED.
- VII. The Commission discussed the item and appointed Commissioner Kullmann and Commissioner Higgins to the subcommittee.
- VIII. Vice Chair Kullmann opened the item to public comment. Karen Brooks, Jason Meyer and Jennifer Kalt commented.
- IX. Vice Chair Kullmann moved the discussion back to the Commission.
VOICE VOTE WAS CALLED, MOTION CARRIED WITH DISSENT
Ayes: HIGGINS, KULLMANN, MARKS
Noes: DOSS
Absent: DALE
Abstain: NONE

b) Consideration of Granting to the California Department of Transportation Permit 2018-01 for Work Associated with the Eureka-Arcata Route 101 Corridor Improvement Project

- I. Vice Chair Kullmann presented the item.
- II. The Commission discussed the item. Commissioner Higgins requested that his written comments be entered into the record as Exhibit A attached.
- III. Vice Chair Kullmann opened the item to the public. Karen Brooks, District Staff Bernadette Clueit and Jennifer Kalt commented.
- IV. Chair Kullmann moved the discussion back to the Commission.
- V. COMMISSIONER HIGGINS MOVED TO TABLE THE CONSIDERATION OF GRANTING PERMIT 2018-01 TO CALTRANS FOR WORK ASSOCIATED WITH THE EUREKA-ARCATE ROUTE 101 CORRIDOR IMPROVEMENT PROJECT. COMMISSIONER HIGGINS SECONDED.
VOICE VOTE WAS CALLED, MOTION CARRIED WITH DISSENT.
Ayes: KULLMANN, HIGGINS, MARKS
Noes: DOSS
Absent: DALE
Abstain: NONE

NEW BUSINESS

a) Letter of Support for Application of Mike Wilson to Fill Vacancy on the California Coastal Commission as the North Coast Region Representative.

- I. Vice Chair Kullmann presented the item.
- II. The Commission discussed the item.
- III. Vice Chair Kullmann opened the item to the public. Karen Brooks and Jennifer Kalt commented.
- IV. Vice Chair Kullmann moved the discussion back to the Commission.
- V. COMMISSIONER HIGGINS MADE A MOTION TO APPROVE THE LETTER OF SUPPORT FOR MIKE WILSON AS THE NORTH COAST REGION REPRESENTATIVE OF THE CALIFORNIA COASTAL COMMISSION. COMMISSIONER MARKS SECONDED.
VOICE VOTE WAS CALLED, MOTION CARRIED WITH DISSENT.
Ayes: KULLMANN, MARKS AND HIGGINS
Noes: DOSS
Absent: DALE
Abstain: NONE

b) Letter of Support for Application of Virginia Bass to Fill Vacancy on the California Coastal Commission as the North Coast Region Representative.

- I. Vice Chair Kullmann presented the item.
- II. The Commission discussed the item.

Draft Minutes for April 25, 2019 Regular Board Meeting

- III. Vice Chair Kullmann opened the item to the public. Judy Herman, Jennifer Kalt and Karen Brooks commented.
- IV. Vice Chair Kullmann moved the discussion back to the Commission.
- V. COMMISSIONER MARKS MADE A MOTION TO APPROVE THE LETTER OF SUPPORT FOR VIRGINA BASS AS THE NORTH COAST REGION REPRESENTATIVE OF THE CALIFORNIA COASTAL COMMISSION AS AMENDED WITH AN ADDITIONAL PARAGRAPH OUTLINING QUALIFICATIONS AND RELEVANT EXPERIENCE. COMMISSIONER HIGGINS SECONDED. VOICE VOTE WAS CALLED, MOTION CARRIED WITHOUT DISSENT.
Ayes: KULLMANN, MARKS, DOSS AND HIGGINS.
Noes: NONE
Absent: DALE
Abstain: NONE

c) Approval of Payment to Recology Eel River in the amount of \$6,084 for Fees Associated with the Removal of Boats at 533 Machi Road in Shelter Cove.

- I. Vice Chair Kullmann presented the item.
- II. The Commission discussed the item.
- III. Vice Chair Kullmann opened the item to the public. No comments.
- IV. Vice Chair moved the discussion back to the Commission.
- V. COMMISSIONER HIGGINS MADE A MOTION TO APPROVE THE PAYMENT TO RECOLOGY EEL RIVER. COMMISSIONER MARKS SECONDED. VOICE VOTE WAS CALLED, MOTION CARRIED WITHOUT DISSENT.
Ayes: KULLMANN, MARKS, DOSS AND HIGGINS.
Noes: NONE
Absent: DALE
Abstain: NONE

ADMINISTRATIVE AND EMERGENCY PERMITS - NONE

ADJOURNMENT – 8:37 P.M.

APPROVED BY:

RECORDED BY:

Larry Doss
Secretary of the Board of Commissioners

Mindy Hiley
Director of Administrative Services

Patrick Higgins
5th Division Humboldt Bay Harbor, Recreation and Conservation District Commissioner
4649 Aster Avenue
McKinleyville, CA 95519

April 25, 2019

Commissioner Greg Dale, Chair
Humboldt Bay Harbor, Recreation and Conservation District Commissioner
P.O. Box 1030
Eureka, California 95502-1030

Re: Permit Application by the California Department of Transportation for Work Associated with the Eureka-Arcata Route 101 Corridor Improvement Project

Dear Chairman Dale,

Our Commission is being asked to rule on the Permit Application of the California Department of Transportation (Caltrans) for work associated with the Eureka-Arcata Route 101 Corridor Improvement Project. I believe the project is necessary for safety and many elements of the project involve replacement of infrastructure that is long past due, like the south-bound bridge over Jacoby Creek. The tide gates that we have jurisdiction over also need replacement and I am happy to see "fish-friendly" state of the art equipment being installed. However, one aspect of the corridor improvement route under our jurisdiction not completely dealt with is the visual blight of billboards in tidelands adjacent to the roadway. Billboards along the Highway 101 Eureka-Arcata corridor have been an issue of contention between the Harbor District and Caltrans since I was seated as a Commissioner in 2008. I supply some background information that my fellow Commissioners may find useful.

In 2013, the California Coastal Commission (Commission) conditionally concurred with Caltrans' certification for the Eureka-Arcata 101 Corridor Safety Improvement project but imposed conditions. Condition #2 (Visual Impact Mitigation) states that

"Prior to or concurrent with its submittal to the Commission of a coastal development permit application for the project Caltrans will develop and submit a plan to provide mitigation for the visual impacts of the project by removing, to the maximum extent feasible, all billboards along the corridor, as well as other overhead infrastructure (such as power poles and power lines), and by steepening the inside slopes of the interchange to maximize the view towards the bay from Indianola Cutoff."

Although ten billboards were removed from the Project area since 2013, four remain in the vicinity of the proposed interchange at Indianola Cutoff. Three of these billboards (Caltrans ODA permits #6277, 6269, and 6278) are located in tidelands and submerged lands which are subject to the protections of the common law Public Trust Doctrine. According to a determination by the State Lands Commission on Sept. 22, 2015, these three billboards are located within lands the State patented as Tideland Location 256 (File Ref: SD 2015-09-15.2) over which the Harbor District has control.

In January 2019, Caltrans renewed the ODA permits for these three billboards despite numerous reasons supporting their removal. Subsequently, Caltrans submitted its Coastal Development Permit application for the Project on March 29, 2019 stating that the three billboards are among the 12 billboards that will not be removed to mitigate the visual impacts of the Project.

Humboldt Bay Harbor, Recreation, and Conservation District Ordinance 7, Article IV, Section 9 (f) states that:

“Signs and related structures, other than those that are necessary and approved by the District for navigational, public safety, resource management and identification purposes shall be eliminated and prohibited from the tidal and submerged lands within the jurisdiction of the District.”

I am asking my fellow Commissioners to join me in requesting that Caltrans revoke the ODA permits for the signs in Tideland Location 256 or, at the very minimum, stop renewing the leases when they expires. I recommend that we table the Resolution and Permit requests this evening to give our staff more time to seek clarification and negotiate with Caltrans over this issue.

Sincerely,

A handwritten signature in black ink, appearing to read 'Patrick Higgins', with a large, stylized flourish extending from the end of the signature.

Patrick Higgins

**DRAFT MINUTES
SPECIAL MEETING OF THE BOARD OF COMMISSIONERS
HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT**

May 08, 2019

The Humboldt Bay Harbor, Recreation and Conservation District met in special session on the above date at 6:00 P.M. Closed Session, 7:00 P.M. Open Session, at the Woodley Island Marina Meeting Room, 601 Startare Drive, Eureka, CA 95501.

CLOSED SESSION – 6:00 P.M.

The Commission met in closed session to discuss the following items:

- a) CONFERENCE WITH REAL PROPERTY NEGOTIATORS. Terms of potential acquisition and/or lease of real property on the Samoa Peninsula, Humboldt County, with Assessor's Parcel Numbers, 401-112-021 and 401-112-024 pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: Steven Mueller. Under negotiation: price and payment terms.
- b) CONFERENCE WITH REAL PROPERTY NEGOTIATORS. Terms of potential purchase of real property with Assessor's Parcel Numbers 401-011-001, 401-011-010, 401-011-012, 401-011-018, 401-011-020, 401-011-023, 401-021-011, 401-021-018, 401-021-027, 401-011-028, 401-021-029, and 401-031-045 on the Samoa Peninsula, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Paul Brisso, District Counsel. Negotiating party: Tim Callison. Under negotiation: price and payment terms.
- c) CONFERENCE WITH LEGAL COUNCIL – EXISTING LITIGATION (Gov. Code section 54956.9). Name of Case: Humboldt Fishermen's Marketing Association, Inc. and The Trinidad Bay Fishermen's Marketing Association, Plaintiffs, v. The Humboldt Bay Harbor, Recreation, and Conservation District, et al., Defendants, Humboldt County Superior Court Case No. DR 180648.
- d) CONFERENCE WITH LEGAL COUNCIL – POTENTIAL LITIGATION (Gov. Code section 54956.9). Name of potential case: Fisherman's Channel Tide Gate replacement: Phil Ayers.

OPEN SESSION – 7:00 P.M.

ROLL CALL

PRESENT: DALE
MARKS
KULLMANN
DOSS

ABSENT: HIGGINS

QUORUM: YES

PLEDGE OF ALLEGIANCE

REPORT ON EXECUTIVE CLOSED SESSION

- a) District Counsel, Ryan Plotz reported that the Board will continue negotiations on the potential acquisition and/or lease of real property on the Samoa Peninsula, Humboldt County, parcel numbers 401-112-021 and 401-112-024.
- b) District Counsel, Ryan Plotz reported that the Board will continue negotiations on the potential purchase of real property with Assessor's Parcel Numbers 401-011-001, 401-011-010, 401-011-012, 401-011-018, 401-011-020, 401-011-023, 401-021-011, 401-021-018, 401-021-027, 401-011-028, 401-021-029, and 401-031-045 on the Samoa Peninsula.
- c) District Counsel, Ryan Plotz provided an update on the existing litigation on the Case: Humboldt Fishermen's Marketing Association, Inc. and The Trinidad Bay Fishermen's Marketing Association, Plaintiffs, v. The Humboldt Bay Harbor, Recreation, and Conservation District. No action was taken.
- d) District Counsel, Ryan Plotz provided an update on the potential litigation on the Potential Case: Fisherman's Channel Tide Gate replacement: Phil Ayers. No action was taken.

Draft Minutes for May 08, 2019 Special Board Meeting

PUBLIC COMMENT: The following individuals addressed the Commission regarding subject matters not on this meeting's agenda: None.

CONSENT CALENDAR – NONE

COMMUNICATIONS AND REPORTS

a) Executive Director's Report

- I. Executive Director presented Executive Director's Report to continue dredging permit amendments.

b) Staff Reports

- I. None.

c) District Counsel and District Treasurer Reports

- I. None.

d) Commissioner and Committee Reports

- I. Commissioners reported on their recent activities.
- II. Committee Reports from the Caltrans and Wind Energy Meetings.

e) Others

- I. None.

UNFINISHED BUSINESS

a) Update on the District's Efforts to Replace the Tide Gate on Fisherman's Channel in King Salmon.

- I. Executive Director presented the item.
- II. The Commission discussed the item.
- III. Chair Dale opened the item to public comment. Brad Floyd, Dan Noga and Kristen Kelly commented.
- IV. Chair Dale moved the discussion back to the Commission.
- V. No formal action was taken.

b) Update on Emergency Shoaling Conditions near Buoy 9.

- I. Executive Director presented the item.
- II. The Commission discussed the item.
- III. Chair Dale opened the item to public comment. Leroy Zerlang commented.
- IV. Chair Dale moved the discussion back to the Commission.
- V. The Commission directed the Executive Director to write a letter to the Army Corps of Engineers (USACOE) expressing concerns over the timeline for completion of emergency dredging.

NEW BUSINESS

a) Consideration of Initial 2019-20 District Budget Preparation Schedule

- I. Executive Director Presented the item.
- II. The Commission discussed the item.
- III. Chair Dale opened the item to public comment. Scott Fraser commented.
- IV. Chair Dale moved the discussion back to the Commission.
- V. The Commission agreed and directed the Executive Director to schedule Budget Meetings.

ADMINISTRATIVE AND EMERGENCY PERMITS - NONE

ADJOURNMENT – 8:17 P.M.

APPROVED BY:

RECORDED BY:

Larry Doss

Secretary of the Board of Commissioners

Mindy Hiley

Director of Administrative Services

1:51 PM

05/20/19

Humboldt Bay Harbor, Recreation & Conservation District

Account QuickReport

Accrual Basis

As of January 31, 2019

Type	Date	Num	Name	Memo	Amount
10200.1 - Cash in BBVA, Checking					
Liability Check	01/10/2019		QuickBooks Payroll Service	Created by Payroll Service on 01/09/...	-20,248.41
Liability Check	01/16/2019		QuickBooks Payroll Service	Created by Payroll Service on 01/15/...	-1,898.12
Liability Check	01/16/2019		QuickBooks Payroll Service	Created by Payroll Service on 01/15/...	-16,828.08
Liability Check	01/24/2019		QuickBooks Payroll Service	Created by Payroll Service on 01/23/...	-19,130.00
Check	01/15/2019			Service Charge	-161.41
Liability Check	01/02/2019	EFT	Tri Counties Bank	94-2262845	-4,660.24
Liability Check	01/02/2019	EFT	Employment Development Department	499-0307-3	-1,338.27
Bill Pmt -Check	01/09/2019	EFT	PERS	2233447024	-3,945.00
Liability Check	01/11/2019	EFT	Tri Counties Bank	94-2262845	-4,447.00
Liability Check	01/11/2019	EFT	PERS	2233447024	-3,951.31
Liability Check	01/11/2019	EFT	CalPERS 457 Program	450348	-1,267.00
Bill Pmt -Check	01/11/2019	EFT	CalPERS 457 Program	CalPERS 457 Match Payday 1/11/2019	-325.00
Liability Check	01/11/2019	EFT	Employment Development Department	499-0307-3	-1,300.39
Liability Check	01/11/2019	EFT	State Disbursement Unit	0230000067964	-328.14
Liability Check	01/17/2019	EFT	Tri Counties Bank	94-2262845	-8,790.64
Liability Check	01/17/2019	EFT	Employment Development Department	499-0307-3 Tim Petrusha's Final Pay...	-3,029.59
Liability Check	01/17/2019	EFT	Tri Counties Bank	94-2262845	-1,011.36
Liability Check	01/17/2019	EFT	Employment Development Department	499-0307-3	-303.00
Liability Check	01/25/2019	EFT	Tri Counties Bank	94-2262845	-4,242.82
Liability Check	01/18/2019	EFT	Employment Development Department	499-0307-3	-1,180.12
Liability Check	01/25/2019	EFT	CalPERS 457 Program	450348	-1,267.00
Bill Pmt -Check	01/25/2019	EFT	CalPERS 457 Program	457 Match 1/25/2019	-325.00
Liability Check	01/25/2019	EFT	PERS	2233447024	-3,822.18
Liability Check	01/25/2019	EFT	State Disbursement Unit	0230000067964	-328.14
Bill Pmt -Check	01/28/2019	EFT	PERS	2233447024	-3,939.85
Liability Check	01/28/2019	EFT	Aflac	SB616	-145.08
Bill Pmt -Check	01/24/2019	EFT	Recology Humboldt County	A0000265	-1,700.04
Liability Check	01/16/2019	Adj-MH01	Tri Counties Bank	94-2262845	0.00
Liability Check	01/16/2019	Adj-MH02	Tri Counties Bank	94-2262845	0.00
Liability Check	01/16/2019	Adj-MH03	Tri Counties Bank	94-2262845	0.00
Liability Check	01/16/2019	Adj-MH04	Tri Counties Bank	94-2262845	0.00
Liability Check	01/16/2019	Adj-MH05	Tri Counties Bank	94-2262845	0.00
Liability Check	01/16/2019	Adj-MH06	Tri Counties Bank	94-2262845	0.00
Liability Check	01/16/2019	Adj-MH07	Tri Counties Bank	94-2262845	0.00
Bill Pmt -Check	01/07/2019	58827	101Netlink		-370.00
Bill Pmt -Check	01/07/2019	58828	ACWA JPIA		-24,717.01
Bill Pmt -Check	01/07/2019	58829	Advanced Security Systems	01/01/2019-03/31/2019	-184.50
Bill Pmt -Check	01/07/2019	58830	B & B Portable Toilets	Redwood Dock	-182.99
Bill Pmt -Check	01/07/2019	58831	BBVA Compass		-234,146.92
Bill Pmt -Check	01/07/2019	58832	California Redwood Co.	Red Tank	-605.73
Bill Pmt -Check	01/07/2019	58833	City of Eureka	WIM	-14,467.16
Bill Pmt -Check	01/07/2019	58834	Coastal Business Systems, Inc.	Copier Lease	-268.22
Bill Pmt -Check	01/07/2019	58835	Coldwell Banker Commerical PacificPart...	Rogue Construction Commission	-360.00
Bill Pmt -Check	01/07/2019	58836	Cortopassi, Curt	RW Tenant Refund	-100.00
Bill Pmt -Check	01/07/2019	58837	David L. Moonie & Company		-2,610.00
Bill Pmt -Check	01/07/2019	58838	Campton Electric Supply		-696.05
Bill Pmt -Check	01/07/2019	58839	Dock Boxes Unlimited	Power Boxes for Dock	-373.25
Bill Pmt -Check	01/07/2019	58840	Eureka Oxygen Company		-420.58
Bill Pmt -Check	01/07/2019	58841	Express Services, Inc.	28590512	-715.68
Bill Pmt -Check	01/07/2019	58842	Fastenal Company		-408.96
Bill Pmt -Check	01/07/2019	58843	Geiger	Tide Books	-578.44
Bill Pmt -Check	01/07/2019	58844	Higgins, Pat.	Dinner Meeting	-37.82
Bill Pmt -Check	01/07/2019	58845	Humboldt Bay Municipal Water Dist.	RMT2	-664.10
Bill Pmt -Check	01/07/2019	58846	Humboldt Bay Solar Fund LLC	November 2018	-7,075.26
Bill Pmt -Check	01/07/2019	58847	Humboldt Community Services District	3165	-296.76
Bill Pmt -Check	01/07/2019	58848	Humboldt Waste Management Authority		-324.92
Bill Pmt -Check	01/07/2019	58849	IDEMIA	Mindy R Hiley, UZZ-29NBH4	-125.25
Bill Pmt -Check	01/07/2019	58850	John's Used Cars & Wreckers	Shop Truck	-70.53
Bill Pmt -Check	01/07/2019	58851	Kernen Construction	RMT2 Road	-1,250.78
Bill Pmt -Check	01/07/2019	58852	Matthews Paints	Port Authority Boat	-5.02
Bill Pmt -Check	01/07/2019	58853	Mendes Supply Company	Janitorial Supplies	-69.94
Bill Pmt -Check	01/07/2019	58854	The Mitchell Law Firm, LLP	November 2018 Legal Services	-4,689.00
Bill Pmt -Check	01/07/2019	58855	Munnell & Sherrill	Shim Kit WIM Sewer Pump	-122.94
Bill Pmt -Check	01/07/2019	58856	North Coast Laboratories, LTD	FLBY DI	-205.00
Bill Pmt -Check	01/07/2019	58857	Nylex.net	Troubleshoot Marina Cameras	-55.00
Bill Pmt -Check	01/07/2019	58858	Pacific Coast Congress	Annual Corporate Membership Dues ...	-265.00
Bill Pmt -Check	01/07/2019	58859	Pacific Gas & Electric		-8,210.55
Bill Pmt -Check	01/07/2019	58860	Petrusha, Tim	Princess Meeting/Cruise the West M...	-236.00
Bill Pmt -Check	01/07/2019	58861	Pierson Building Center	Discount of \$94.92 if pd by 1/12/2019	-1,420.45
Bill Pmt -Check	01/07/2019	58862	Planwest Partners, Inc.	November 2018 Invoice	-9,146.95
Bill Pmt -Check	01/07/2019	58863	Recology Eel River	SC	-394.57
Bill Pmt -Check	01/07/2019	58864	Recology Humboldt County	A0000265	-6,337.29
Bill Pmt -Check	01/07/2019	58865	Restif Cleaning Service	Conference Room Carpet Cleaning	-176.60
Bill Pmt -Check	01/07/2019	58866	Rogers Machinery Co.	Sewer Pump Replacement Unit	-3,635.29
Bill Pmt -Check	01/07/2019	58867	Security Lock & Alarm		-21.70
Bill Pmt -Check	01/07/2019	58868	Shafer's Ace Hardware	1586	-30.13
Bill Pmt -Check	01/07/2019	58869	Shelter Cove Resort Improvement District	SC	-322.30

1:51 PM

05/20/19

Accrual Basis

Humboldt Bay Harbor, Recreation & Conservation District

Account QuickReport

As of January 31, 2019

Type	Date	Num	Name	Memo	Amount
Bill Pmt -Check	01/07/2019	58870	Southwest Answering Service	WIM	-176.02
Bill Pmt -Check	01/07/2019	58871	Spencer Electric	Restif	-2,850.00
Bill Pmt -Check	01/07/2019	58872	Standard Insurance Company	ST 908447 0001	-206.60
Bill Pmt -Check	01/07/2019	58873	Staples Credit Plan	6035 5178 1247 5530	-304.00
Bill Pmt -Check	01/07/2019	58874	State Water Resource Control Board	FL 10/1/18-9/30/19. Facility ID 1 12L...	-1,400.00
Bill Pmt -Check	01/07/2019	58875	Tehama Tire		-379.85
Bill Pmt -Check	01/07/2019	58876	Thrifty Supply		-351.71
Bill Pmt -Check	01/07/2019	58877	Western Chainsaw		-143.15
Bill Pmt -Check	01/07/2019	58878	Whitchurch Engineering	Dredging PO #1344	-4,277.50
Bill Pmt -Check	01/07/2019	58880	World Oil Enviromental Services		-420.68
Bill Pmt -Check	01/07/2019	58881	Times-Standard, Tri-City Weekly	EPA Brownfield Cleanup	-127.40
Bill Pmt -Check	01/09/2019	58884	California Assoc. of Port Authorities	December 2018, January and Februa...	-3,195.25
Bill Pmt -Check	01/09/2019	58885	ICF Jones & Stokes, Inc.	Sediment Management	-5,528.00
Bill Pmt -Check	01/09/2019	58886	Precision Intermedia	Peter Krueger, 565-04-9041, 20-147...	-60.00
Bill Pmt -Check	01/09/2019	58887	Rogers Machinery Co.		-9,329.25
Liability Check	01/25/2019	58890	ILWU Local 14A	Union Dues January 2019	-162.00
Liability Check	01/25/2019	58891	Franchise Tax Board	Robert M. Tatian Sr. 549751986	-567.60
Bill Pmt -Check	01/28/2019	58892	ACWA JPIA		-24,717.01
Bill Pmt -Check	01/30/2019	58893	Napa Auto Parts		-1,419.09
Bill Pmt -Check	01/30/2019	58894	Pacific Gas & Electric	RWD	-147.19
Bill Pmt -Check	01/30/2019	58895	Renner Petroleum	14137	-857.03
Bill Pmt -Check	01/30/2019	58896	Sebring, Mike	Tenant Refund	-57.00
Bill Pmt -Check	01/30/2019	58897	U S Bank Corporate Payment System	4246044555706765	-1,492.99
Bill Pmt -Check	01/30/2019	58898	Verizon Wireless		-873.96
Bill Pmt -Check	01/30/2019	58899	World Oil Enviromental Services	RMT2	-65.00
Bill Pmt -Check	01/30/2019	58900	Pacific Gas & Electric	364 Vance	-104.69
Bill Pmt -Check	01/30/2019	58901	A T & T	707 443-0801 071 7	-512.58
Bill Pmt -Check	01/30/2019	58902	Acme Rigging & Supply Co., Inc.	Redwood Dock, Hag Fish crane	-476.21
Bill Pmt -Check	01/30/2019	58903	Association of California Water Agencies	2019 Annual Agency Dues	-12,525.00
Bill Pmt -Check	01/30/2019	58904	B & B Portable Toilets	Redwood Dock	-182.99
Bill Pmt -Check	01/30/2019	58905	California Redwood Co.	Red Tank RMT2	-651.08
Bill Pmt -Check	01/30/2019	58906	Campton Electric Supply		-492.23
Bill Pmt -Check	01/30/2019	58907	Coastal Business Systems, Inc.	Copier Lease	-268.22
Bill Pmt -Check	01/30/2019	58908	David L. Moonie & Company	December 2018	-855.00
Bill Pmt -Check	01/30/2019	58909	Don's Rent-All	7197	-474.15
Bill Pmt -Check	01/30/2019	58910	Englund Marine Supply		-2,709.78
Bill Pmt -Check	01/30/2019	58911	Eureka Oxygen Company		-180.78
Bill Pmt -Check	01/30/2019	58912	High Rock Conservation Camp	KS, Samoa & RMT2	-1,600.00
Bill Pmt -Check	01/30/2019	58914	Humboldt Bay Solar Fund LLC	RMT2	-5,080.19
Bill Pmt -Check	01/30/2019	58915	Humboldt County-Enviromental Health	RMT2 Hazmat Fee	-1,990.33
Bill Pmt -Check	01/30/2019	58916	Humboldt Fasteners	RMT2 Bathrooms	-15.71
Bill Pmt -Check	01/30/2019	58917	Humboldt No. 1 Fire Protection District		-96.00
Bill Pmt -Check	01/30/2019	58918	Humboldt Waste Management Authority	Green Waste	-374.77
Bill Pmt -Check	01/30/2019	58919	Industrial Electric Service Co.	RWD Crane	-128.57
Bill Pmt -Check	01/30/2019	58920	Kernen Construction	RMT 1 Road Repairs	-297.66
Bill Pmt -Check	01/30/2019	58921	Matthew Bender & Co., Inc.		-269.64
Bill Pmt -Check	01/30/2019	58922	Mendes Supply Company		-524.60
Bill Pmt -Check	01/30/2019	58923	Mill Yard, The	WIM Fencing	-201.91
Bill Pmt -Check	01/30/2019	58924	The Mitchell Law Firm, LLP	December 2018	-3,249.00
Bill Pmt -Check	01/30/2019	58925	Munnell & Sherrill		-28.13
Bill Pmt -Check	01/30/2019	58926	Nylex.net	IT	-282.50
Bill Pmt -Check	01/30/2019	58927	Pacific Gas & Electric	364 Vance Ste 2	-4,711.25
Bill Pmt -Check	01/30/2019	58928	Planwest Partners, Inc.	December 2018	-4,384.00
Bill Pmt -Check	01/30/2019	58929	PPG Architectural Finishes	RMT2 Bathroom Remodel	-154.43
Bill Pmt -Check	01/30/2019	58930	Precision Intermedia	Peter Krueger, 565-04-9041, 20-147...	-83.75
Bill Pmt -Check	01/30/2019	58931	Razursharp Saw Chain Service	HUMBOLBOX	-29.01
Bill Pmt -Check	01/30/2019	58932	Recology Eel River	SC	-394.57
Bill Pmt -Check	01/30/2019	58933	Recology Humboldt County	A0000265	-3,053.52
Bill Pmt -Check	01/30/2019	58934	Redwood Electrical Services	RMT2 Bathroom Electrical Upgrades	-3,672.45
Bill Pmt -Check	01/30/2019	58935	Security Lock & Alarm		-255.81
Bill Pmt -Check	01/30/2019	58936	Shafer's Ace Hardware	1586	-330.39
Bill Pmt -Check	01/30/2019	58937	Shelter Cove Resort Improvement District	SC	-443.59
Bill Pmt -Check	01/30/2019	58938	Southwest Answering Service	Marina	-191.02
Bill Pmt -Check	01/30/2019	58939	Specialty Traffic Systems	PPE	-151.16
Bill Pmt -Check	01/30/2019	58940	Standard Insurance Company	ST 908447 0001	-186.40
Bill Pmt -Check	01/30/2019	58941	Staples Credit Plan	6035 5178 1247 5530	-136.00
Bill Pmt -Check	01/30/2019	58942	Thrifty Supply		-52.93
Bill Pmt -Check	01/30/2019	58943	Tony Gosselin & Sons		-1,496.39
Bill Pmt -Check	01/30/2019	58944	Verizon Wireless		-75.94
Bill Pmt -Check	01/30/2019	58945	Whitchurch Engineering	Site Plan, Project Description, Conce...	-3,572.50
Bill Pmt -Check	01/30/2019	58946	Wooden, Forrest.	Tenant Refund	-1,330.38
Bill Pmt -Check	01/30/2019	58947	Humboldt Community Services District	3165	-221.61
Bill Pmt -Check	01/30/2019	58948	ICF Jones & Stokes, Inc.	December 2018 Services	-290.00
Bill Pmt -Check	01/30/2019	58949	North Coast Laboratories, LTD	FL	-193.00
Bill Pmt -Check	01/30/2019	58950	Pacific Gas & Electric		-9,036.18
Bill Pmt -Check	01/30/2019	58951	Platt Electric Supply	RWD	-201.05
Bill Pmt -Check	01/30/2019	58952	PPG Architectural Finishes	RMT2 Bathroom & File Room	-296.42

1:51 PM

05/20/19

Humboldt Bay Harbor, Recreation & Conservation District

Account QuickReport

Accrual Basis

As of January 31, 2019

Type	Date	Num	Name	Memo	Amount
Bill Pmt -Check	01/30/2019	58953	Humboldt Community Services District	3165	-18.00
Total 10200.1 · Cash in BBVA, Checking					-563,679.58
TOTAL					-563,679.58

8:22 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

January 2019

	Jan 19	Jul '18 - Jan 19
Ordinary Income/Expense		
Income		
Discount	0.00	0.00
Dredging Revenue		
41318 · Dredging Surcharge - T	8,276.37	58,699.30
Total Dredging Revenue	8,276.37	58,699.30
Float Replacement Account		
41418 · Float Replacement	5,559.04	39,347.40
Total Float Replacement Account	5,559.04	39,347.40
Harbor Surcharge		
40908 · Harbor Improvement Surcharge-T	10,300.08	67,096.84
Total Harbor Surcharge	10,300.08	67,096.84
Utility Surcharge		
40409 · Utility Surcharge - NT	6,146.61	42,929.28
40418 · Utility Surcharge, Marina Dock	7,197.82	36,088.75
Total Utility Surcharge	13,344.43	79,018.03
Tax Revenue		
43809 · TIMBER YIELD TAX GUAR G/NT	1,000.00	7,000.00
43609 · HOMEOWNERS EXEMPT G/NT	1,167.00	8,169.00
43509 · Property Tax Revenues	79,083.00	644,647.02
Total Tax Revenue	81,250.00	659,816.02
Other Revenue		
45909 · Other Revenue - NT	5,214.13	87,648.33
45908 · Other Revenue - T	1,077.82	34,934.65
46008 · Recovery of Bad Debt - T	-273.00	-273.00
Total Other Revenue	6,018.95	122,309.98
Interest Revenue		
43109 · Interest Income - NT	13,646.00	96,739.10
43108 · Interest Income - T	522.00	3,663.95
43318 · Interest On Del Accts - T	0.00	4,581.08
43309 · Interest On Del Accts - NT	0.00	9,033.56
Total Interest Revenue	14,168.00	114,017.69
Rent Income		
41108 · Rents, Tidelands Leases - T	32,724.93	214,832.43
40318.1 · Transient Rentals - T	10,102.65	52,824.22
40519 · Equipment Rent - NT	320.00	1,105.00
40809 · Yard Rent - NT	14,988.05	111,645.39
41309 · Storage - NT	3,577.17	27,549.09
41409 · Upland Rent - NT		
41409.2 · Redwood Terminal 2 - NMTC	5,007.69	35,053.83
41409 · Upland Rent - NT - Other	53,357.04	335,766.60
Total 41409 · Upland Rent - NT	58,364.73	370,820.43
40218 · Slip Rents - T	35,813.40	283,312.77
Total Rent Income	155,890.93	1,062,089.33
Fees		
40108 · PERMITS-T	0.00	595.41
41818 · Late Charges/Interest - T	1,245.00	7,532.18
45608 · Chevron - Ports O&M - T	0.00	10,429.41
41819 · Late Charges/Interest - NT	2,260.05	12,910.69
40808 · Pilotage Services - T	0.00	1,084.25
40618 · Boat Launch Fees - T	3,675.00	56,834.14
40509 · Travel Lift Fees - T	0.00	725.00

8:22 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

January 2019

	Jan 19	Jul '18 - Jan 19
40609 · Haul Out Fees - T	1,208.00	22,310.00
41308.1 · Poundage - T	0.00	7,109.80
Total Fees	8,388.05	119,530.88
Sales		
40109 · Sales, Retail - NT	250.00	11,975.00
40119 · Concession Sales - NT	6,695.00	10,085.97
Total Sales	6,945.00	22,060.97
Donations		
45709 · Donations - Sea Scouts	0.00	50.00
46519 · Donations - Lighthouse	5.00	16.00
Total Donations	5.00	66.00
Total Income	310,145.85	2,344,052.44
Gross Profit	310,145.85	2,344,052.44
Expense		
Personnel Expenses		
Salaries/Wages		
50100 · Salaries & Wages - NT	58,232.48	491,637.61
50108 · Salaries & Wages - T	-18,477.67	25,087.30
Total Salaries/Wages	39,754.81	516,724.91
Payroll Burden		
6560 · Workers' Comp	-10,043.76	21,800.58
50500 · Payroll Benefits, Other - NT	29,098.11	207,301.21
50508 · Payroll Benefits, Other - T	7,221.99	50,458.13
50510 · PAYROLL BENEFITS M/A	1,142.56	6,965.60
Total Payroll Burden	27,418.90	286,525.52
Commissioners Fees		
50200 · Commissioner's Salaries - NT	1,470.00	10,290.00
50210 · COMMISSIONERS SALARIES M/A	630.00	4,410.00
Total Commissioners Fees	2,100.00	14,700.00
Contract Temporary Services		
50310 · Contract Temporary Services - N	0.00	3,242.38
Total Contract Temporary Services	0.00	3,242.38
Personnel Expenses - Other	0.00	0.00
Total Personnel Expenses	69,273.71	821,192.81
Advertising & Promotion		
51000 · Advertising & Promotion - NT	371.78	371.78
51008 · Advertising & Promotion - T	0.00	578.44
Total Advertising & Promotion	371.78	950.22
Communications		
51400 · Communications - NT	1,220.21	6,155.57
51408 · Communications - T	270.31	2,120.56
Total Communications	1,490.52	8,276.13
Conference & Meetings		
51500 · Conferences & Meetings - NT	6,288.73	8,444.81
51508 · Conferences & Meetings - T	0.00	1,777.81
Total Conference & Meetings	6,288.73	10,222.62
Dues, Subscriptions & Licences		

8:22 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

January 2019

	Jan 19	Jul '18 - Jan 19
51600 · Dues & Subscriptions - NT	964.89	41,198.39
51608 · Dues & Subscriptions - T	0.00	4,115.00
Total Dues, Subscriptions & Licences	964.89	45,313.39
Elections & Government Fees		
51700 · Elections & Prop Tax Assess-NT	0.00	12,493.20
Total Elections & Government Fees	0.00	12,493.20
Insurance		
51800 · Insurance - NT	4,734.85	33,301.32
51808 · Insurance - T	1,066.33	6,383.48
51810 · INSURANCE M/A	0.00	2,436.72
51819 · INSURANCE M/NT		
53209.1 · Shelter Cove Insurance	0.00	394.19
53109.3 · Fields Landing Insurance	0.00	638.65
Total 51819 · INSURANCE M/NT	0.00	1,032.84
Total Insurance	5,801.18	43,154.36
Office Supplies		
52100 · Outside Services - NT	230.00	3,019.34
51900 · Office Supplies - NT	1,616.38	19,113.91
51908 · Office Supplies - T	362.11	2,578.36
51910 · OFFICE EXPENSE M/A	0.00	1,146.00
51918 · OFFICE EXPENSE M/T	36.30	199.05
Total Office Supplies	2,244.79	26,056.66
Maintenance Supplies		
54208 · REDWOOD DOCK EXPENSE	0.00	155.58
53209 · SHELTER COVE OPER EXP G/NT	443.59	3,816.81
53208 · SHELTER COVE OPER EXP G/T	0.00	2,816.77
53200 · SHELTER COVE OPER EXP G/A	0.00	1,714.00
52010 · Maintenance Supplies - NT	1,091.56	38,583.77
52008 · Maintenance Supplies - T	154.47	7,442.73
Maintenance Supplies - Other	0.00	0.00
Total Maintenance Supplies	1,689.62	54,529.66
Permits		
51618 · Permits - T	0.00	12,461.00
Total Permits	0.00	12,461.00
Utilities		
52909 · Utilities - NT	11,221.52	56,133.74
52918 · Utilities - T	3,595.23	26,378.30
53000 · Water, Sewer, & Refuse - NT	21,719.95	108,042.68
53008 · Water, Sewer, & Refuse - T	0.00	32,578.80
Total Utilities	36,536.70	223,133.52
Fuel		
50400 · IMPUTED AUTO VALUE G/A	78.40	588.00
51208 · Vessel Fuel	0.00	2,502.90
51218 · Automotive, Fuel - T	824.24	5,356.75
51200 · Automotive, Fuel- NT	861.47	5,746.78
Total Fuel	1,764.11	14,194.43
Accounting/Auditing Services		
52500 · Accounting Fees - T	968.50	19,339.75
52508 · Accounting Fees - NT	2,905.50	9,029.25
Total Accounting/Auditing Services	3,874.00	28,369.00

8:22 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

January 2019

	Jan 19	Jul '18 - Jan 19
Legal Services		
52300 · Legal Fees - NT	5,098.50	15,280.38
52308 · Legal Fees - T	1,699.50	7,863.12
Total Legal Services	6,798.00	23,143.50
Planning Services		
52208 · Planning Fees - T	3,405.40	4,049.40
52200 · Planning Fees - NT	3,854.00	57,527.54
Total Planning Services	7,259.40	61,576.94
Engineering Services		
52400 · Engineering Fees - NT	3,435.17	27,794.47
52408 · Engineering Fees - T	3,590.00	31,396.87
Total Engineering Services	7,025.17	59,191.34
Other Professional/Outside Serv		
52110 · OUTSIDE SERVICES M/A	354.02	1,194.74
52109 · Outside Services, Other - NT	4,982.45	9,901.95
52118 · Outside Services, Other - T	0.00	1,780.50
Total Other Professional/Outside Serv	5,336.47	12,877.19
Small Tools		
52800 · Small Tools - NT	57.80	888.17
52808 · Small Tools - T	0.00	189.86
Total Small Tools	57.80	1,078.03
Maintenance - Facilities		
54309 · Redwood Terminal 2 Expenses	0.00	3,442.63
52708 · Repairs & Maint, Facilities - T	1,234.78	35,780.77
52709 · REPAIRS & MAINTENANCE G/NT	525.28	19,641.50
52719 · Repairs & Maint, Facilities - N	1,380.26	12,228.17
Total Maintenance - Facilities	3,140.32	71,093.07
Maintenance - Equipment		
52718 · Repairs & Maint, Equip - T	2,356.23	4,707.86
52710 · Repairs & Maint, Equip - NT	121.42	8,946.35
51209 · Automotive, Repairs - NT	1,577.34	7,840.72
Total Maintenance - Equipment	4,054.99	21,494.93
Maintenance - IT		
57008 · Maintenance, IT Equip - T	0.00	55.00
Total Maintenance - IT	0.00	55.00
Dredging Expense		
55608 · Dredging Expense - T	3,572.50	7,850.00
56708 · Dredging - GT	0.00	7,968.76
56718 · Dredging - MT	0.00	2,948.84
Dredging Expense - Other	0.00	0.00
Total Dredging Expense	3,572.50	18,767.60
Capital Outlay		
53619 · Expenses Pending Transfer - Eq	0.00	52,385.97
53618 · Expenses Pending Transfer-Auto	0.00	0.00
Total Capital Outlay	0.00	52,385.97
Rent Expense		
54308 · Redwood Terminal 2 Lease Expens	26,295.08	202,483.82
54409 · Lease Expense - RT2	0.00	18,887.52
Total Rent Expense	26,295.08	221,371.34

8:22 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

January 2019

	Jan 19	Jul '18 - Jan 19
Interest Expense		
55119 · INTEREST EXPENSE M/NT	3,371.00	23,597.00
55109 · Interest Expense - NT	16,630.34	87,344.38
55108 · Interest Expense - T	5,691.00	39,870.54
Total Interest Expense	25,692.34	150,811.92
Other Expenses		
54109 · Sea Scouts Expense - NT	0.00	231.11
55418 · Other Expenses - T	0.00	3,138.31
55419 · Other Expenses - NT	0.00	7,868.31
53709 · Cash Over/Short - NT	0.00	0.02
Total Other Expenses	0.00	11,237.75
Grant Expenses		
Harbor Grant Expenses		
54408.1 · Harbor Grant Exp	53.75	428.73
Total Harbor Grant Expenses	53.75	428.73
Conservation Grant Expenses		
54408.3 · Conservation Grant Exp	727.50	30,012.18
Total Conservation Grant Expenses	727.50	30,012.18
Total Grant Expenses	781.25	30,440.91
Bad Debts		
51308 · Bad Debts - T	0.00	-20.00
Total Bad Debts	0.00	-20.00
Total Expense	220,313.35	2,035,852.49
Net Ordinary Income	89,832.50	308,199.95
Net Income	89,832.50	308,199.95

1:51 PM

05/20/19

Humboldt Bay Harbor, Recreation & Conservation District

Account QuickReport

Accrual Basis

As of February 28, 2019

Type	Date	Num	Name	Memo	Amount
10200.1 - Cash in BBVA, Checking					
Liability Check	02/07/2019		QuickBooks Payroll Service	Created by Payroll Service on 02/06/...	-18,113.69
Liability Check	02/21/2019		QuickBooks Payroll Service	Created by Payroll Service on 02/20/...	-19,307.64
Bill Pmt -Check	02/25/2019		Shelter Cove Resort Improvement District	QuickBooks generated zero amount t...	0.00
Check	02/15/2019			Service Charge	-153.51
Bill Pmt -Check	02/25/2019	Bank Xfer	Humboldt Bay Developement Association		-49,173.00
Liability Check	02/08/2019	EFT	PERS	2233447024	-3,403.16
Liability Check	02/08/2019	EFT	CalPERS 457 Program	450348	-1,242.00
Bill Pmt -Check	02/08/2019	EFT	CalPERS 457 Program	457Match 2/8/2019	-300.00
Liability Check	02/08/2019	EFT	Employment Development Department	499-0307-3	-1,204.18
Liability Check	02/08/2019	EFT	Tri Counties Bank	94-2262845 Pay Period 1/20 - 2/2/20...	-4,205.92
Liability Check	02/08/2019	EFT	State Disbursement Unit	0230000067964	-328.14
Bill Pmt -Check	02/22/2019	EFT	PERS	2233447024	-3,939.85
Bill Pmt -Check	02/22/2019	EFT	CalPERS 457 Program	2/22/2019 CalPERS 457 Match	-300.00
Liability Check	02/22/2019	EFT	CalPERS 457 Program	450348	-1,242.00
Liability Check	02/22/2019	EFT	PERS	2233447024	-3,449.64
Liability Check	02/22/2019	EFT	Aflac	SB616	-145.08
Liability Check	02/22/2019	EFT	State Disbursement Unit	0230000067964	-328.14
Liability Check	02/22/2019	EFT	Employment Development Department	499-0307-3	-1,176.26
Liability Check	02/22/2019	EFT	Tri Counties Bank	94-2262845	-4,224.80
Bill Pmt -Check	02/14/2019	58956	Humboldt County-Planning Dept	Application for minor deviation from p...	-545.00
Liability Check	02/22/2019	58959	ILWU Local 14A	Union Dues	-162.00
Liability Check	02/22/2019	58960	Franchise Tax Board	Robert M. Tatian Sr. 549751986	-567.60
Total 10200.1 - Cash in BBVA, Checking					-113,511.61
TOTAL					-113,511.61

8:23 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

February 2019

	Feb 19	Jul '18 - Feb 19
Ordinary Income/Expense		
Income		
Discount	0.00	0.00
Dredging Revenue		
41318 · Dredging Surcharge - T	6,956.44	65,655.74
Total Dredging Revenue	6,956.44	65,655.74
Float Replacement Account		
41418 · Float Replacement	4,668.13	44,015.53
Total Float Replacement Account	4,668.13	44,015.53
Harbor Surcharge		
40908 · Harbor Improvement Surcharge-T	1,240.00	68,336.84
Total Harbor Surcharge	1,240.00	68,336.84
Utility Surcharge		
40409 · Utility Surcharge - NT	6,709.68	49,638.96
40418 · Utility Surcharge, Marina Dock	6,553.46	42,642.21
Total Utility Surcharge	13,263.14	92,281.17
Grant Revenue		
Harbor Grants		
45208.1 · Harbor Grants, Gov't - T	12,383.87	12,383.87
Total Harbor Grants	12,383.87	12,383.87
Total Grant Revenue	12,383.87	12,383.87
Tax Revenue		
43809 · TIMBER YIELD TAX GUAR G/NT	1,000.00	8,000.00
43609 · HOMEOWNERS EXEMPT G/NT	1,167.00	9,336.00
43509 · Property Tax Revenues	79,083.00	723,730.02
Total Tax Revenue	81,250.00	741,066.02
Other Revenue		
45909 · Other Revenue - NT	349.05	87,997.38
45908 · Other Revenue - T	827.66	35,762.31
46008 · Recovery of Bad Debt - T	0.00	-273.00
Total Other Revenue	1,176.71	123,486.69
Interest Revenue		
43109 · Interest Income - NT	13,646.00	110,385.10
43108 · Interest Income - T	522.60	4,186.55
43318 · Interest On Del Accts - T	653.84	5,234.92
43309 · Interest On Del Accts - NT	1,226.56	10,260.12
Total Interest Revenue	16,049.00	130,066.69
Rent Income		
41108 · Rents, Tidelands Leases - T	5,145.70	219,978.13
40318.1 · Transient Rentals - T	137.86	52,962.08
40519 · Equipment Rent - NT	90.00	1,195.00
40809 · Yard Rent - NT	3,999.57	115,644.96
41309 · Storage - NT	704.80	28,253.89
41409 · Upland Rent - NT		
41409.2 · Redwood Terminal 2 - NMTC	5,007.69	40,061.52
41409 · Upland Rent - NT - Other	51,318.95	387,085.55
Total 41409 · Upland Rent - NT	56,326.64	427,147.07
40218 · Slip Rents - T	73,760.91	357,073.68
Total Rent Income	140,165.48	1,202,254.81
Fees		

8:23 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

February 2019

	Feb 19	Jul '18 - Feb 19
40108 · PERMITS-T	0.00	595.41
41818 · Late Charges/Interest - T	290.21	7,822.39
45608 · Chevron - Ports O&M - T	7,056.16	17,485.57
41819 · Late Charges/Interest - NT	542.67	13,453.36
40808 · Pilotage Services - T	0.00	1,084.25
40618 · Boat Launch Fees - T	3,325.00	60,159.14
40509 · Travel Lift Fees - T	0.00	725.00
40609 · Haul Out Fees - T	0.00	22,310.00
41308.1 · Poundage - T	7,016.16	14,125.96
Total Fees	18,230.20	137,761.08
Sales		
40109 · Sales, Retail - NT	450.00	12,425.00
40119 · Concession Sales - NT	1,027.00	11,112.97
Total Sales	1,477.00	23,537.97
Donations		
45709 · Donations - Sea Scouts	0.00	50.00
46519 · Donations - Lighthouse	0.00	16.00
Total Donations	0.00	66.00
4999 · UNCATEGORIZED INCOME	344.98	344.98
Total Income	297,204.95	2,641,257.39
Gross Profit	297,204.95	2,641,257.39
Expense		
Personnel Expenses		
Salaries/Wages		
50100 · Salaries & Wages - NT	57,516.81	549,154.42
50108 · Salaries & Wages - T	0.00	25,087.30
Total Salaries/Wages	57,516.81	574,241.72
Payroll Burden		
6560 · Workers' Comp	3,707.92	25,508.50
50500 · Payroll Benefits, Other - NT	27,339.27	234,640.48
50508 · Payroll Benefits, Other - T	7,217.17	57,675.30
50510 · PAYROLL BENEFITS M/A	1,142.56	8,108.16
Total Payroll Burden	39,406.92	325,932.44
Commissioners Fees		
50200 · Commissioner's Salaries - NT	1,470.00	11,760.00
50210 · COMMISSIONERS SALARIES M/A	630.00	5,040.00
Total Commissioners Fees	2,100.00	16,800.00
Contract Temporary Services		
50310 · Contract Temporary Services - N	0.00	3,242.38
Total Contract Temporary Services	0.00	3,242.38
Personnel Expenses - Other	0.00	0.00
Total Personnel Expenses	99,023.73	920,216.54
Advertising & Promotion		
51000 · Advertising & Promotion - NT	408.55	780.33
51008 · Advertising & Promotion - T	205.71	784.15
Total Advertising & Promotion	614.26	1,564.48
Communications		
51400 · Communications - NT	1,142.64	7,298.21
51408 · Communications - T	257.51	2,378.07

8:23 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

February 2019

	Feb 19	Jul '18 - Feb 19
Total Communications	1,400.15	9,676.28
Conference & Meetings		
51500 · Conferences & Meetings - NT	1,635.00	10,079.81
51508 · Conferences & Meetings - T	500.00	2,277.81
Conference & Meetings - Other	4,699.70	4,699.70
Total Conference & Meetings	6,834.70	17,057.32
Dues, Subscriptions & Licences		
51600 · Dues & Subscriptions - NT	0.00	41,198.39
51608 · Dues & Subscriptions - T	0.00	4,115.00
Total Dues, Subscriptions & Licences	0.00	45,313.39
Elections & Government Fees		
51700 · Elections & Prop Tax Assess-NT	0.00	12,493.20
Total Elections & Government Fees	0.00	12,493.20
Insurance		
51800 · Insurance - NT	4,986.70	38,288.02
51808 · Insurance - T	1,066.33	7,449.81
51810 · INSURANCE M/A	0.00	2,436.72
51819 · INSURANCE M/NT		
53209.1 · Shelter Cove Insurance	0.00	394.19
53109.3 · Fields Landing Insurance	0.00	638.65
Total 51819 · INSURANCE M/NT	0.00	1,032.84
Total Insurance	6,053.03	49,207.39
Office Supplies		
52100 · Outside Services - NT	52.50	3,071.84
51900 · Office Supplies - NT	4,032.67	23,146.58
51908 · Office Supplies - T	2,403.19	4,981.55
51910 · OFFICE EXPENSE M/A	0.00	1,146.00
51918 · OFFICE EXPENSE M/T	34.15	233.20
Total Office Supplies	6,522.51	32,579.17
Maintenance Supplies		
54208 · REDWOOD DOCK EXPENSE	0.00	155.58
53209 · SHELTER COVE OPER EXP G/NT	0.00	3,816.81
53208 · SHELTER COVE OPER EXP G/T	0.00	2,816.77
53200 · SHELTER COVE OPER EXP G/A	0.00	1,714.00
52010 · Maintenance Supplies - NT	1,671.74	40,255.51
52008 · Maintenance Supplies - T	177.30	7,620.03
Maintenance Supplies - Other	0.00	0.00
Total Maintenance Supplies	1,849.04	56,378.70
Permits		
51618 · Permits - T	0.00	12,461.00
Total Permits	0.00	12,461.00
Utilities		
52909 · Utilities - NT	4,609.46	60,743.20
52918 · Utilities - T	5,326.37	31,704.67
53000 · Water, Sewer, & Refuse - NT	15,066.04	123,108.72
53008 · Water, Sewer, & Refuse - T	0.00	32,578.80
Total Utilities	25,001.87	248,135.39
Fuel		
50400 · IMPUTED AUTO VALUE G/A	78.40	666.40
51208 · Vessel Fuel	0.00	2,502.90

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

February 2019

	Feb 19	Jul '18 - Feb 19
51218 · Automotive, Fuel - T	1,053.62	6,410.37
51200 · Automotive, Fuel- NT	1,054.42	6,801.20
Total Fuel	2,186.44	16,380.87
Accounting/Auditing Services		
52500 · Accounting Fees - T	3,490.25	22,830.00
52508 · Accounting Fees - NT	3,702.75	12,732.00
Total Accounting/Auditing Services	7,193.00	35,562.00
Legal Services		
52300 · Legal Fees - NT	4,382.62	19,663.00
52308 · Legal Fees - T	1,460.88	9,324.00
Total Legal Services	5,843.50	28,987.00
Planning Services		
52208 · Planning Fees - T	7,594.30	11,643.70
52200 · Planning Fees - NT	4,004.00	61,531.54
Total Planning Services	11,598.30	73,175.24
Engineering Services		
52400 · Engineering Fees - NT	4,730.00	32,524.47
52408 · Engineering Fees - T	2,380.00	33,776.87
Total Engineering Services	7,110.00	66,301.34
Other Professional/Outside Serv		
52110 · OUTSIDE SERVICES M/A	161.02	1,355.76
52109 · Outside Services, Other - NT	0.00	9,901.95
52118 · Outside Services, Other - T	100.00	1,880.50
Total Other Professional/Outside Serv	261.02	13,138.21
Small Tools		
52800 · Small Tools - NT	489.77	1,377.94
52808 · Small Tools - T	190.95	380.81
Small Tools - Other	5.05	5.05
Total Small Tools	685.77	1,763.80
Maintenance - Facilities		
54309 · Redwood Terminal 2 Expenses	0.00	3,442.63
52708 · Repairs & Maint, Facilities - T	1,122.38	36,903.15
52709 · REPAIRS & MAINTENANCE G/NT	119.33	19,760.83
52719 · Repairs & Maint, Facilities - N	3,153.92	15,382.09
Total Maintenance - Facilities	4,395.63	75,488.70
Maintenance - Equipment		
52718 · Repairs & Maint, Equip - T	1,451.75	6,159.61
52710 · Repairs & Maint, Equip - NT	243.16	9,189.51
51209 · Automotive, Repairs - NT	197.50	8,038.22
Total Maintenance - Equipment	1,892.41	23,387.34
Maintenance - IT		
57008 · Maintenance, IT Equip - T	947.19	1,002.19
Maintenance, IT Equip - NT	1,197.18	1,197.18
Total Maintenance - IT	2,144.37	2,199.37
Dredging Expense		
55608 · Dredging Expense - T	0.00	7,850.00
56708 · Dredging - GT	0.00	7,968.76
56718 · Dredging - MT	0.00	2,948.84
Dredging Expense - Other	0.00	0.00

8:23 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

February 2019

	Feb 19	Jul '18 - Feb 19
Total Dredging Expense	0.00	18,767.60
Capital Outlay		
53619 · Expenses Pending Transfer - Eq	0.00	52,385.97
53618 · Expenses Pending Transfer-Auto	117.42	117.42
Total Capital Outlay	117.42	52,503.39
Rent Expense		
54308 · Redwood Terminal 2 Lease Expens	23,966.62	226,450.44
54409 · Lease Expense - RT2	0.00	18,887.52
Total Rent Expense	23,966.62	245,337.96
Interest Expense		
55119 · INTEREST EXPENSE M/NT	3,371.00	26,968.00
55109 · Interest Expense - NT	6,853.51	94,197.89
55108 · Interest Expense - T	5,691.00	45,561.54
Total Interest Expense	15,915.51	166,727.43
Other Expenses		
54109 · Sea Scouts Expense - NT	0.00	231.11
55418 · Other Expenses - T	150.00	3,288.31
55419 · Other Expenses - NT	0.00	7,868.31
53709 · Cash Over/Short - NT	0.00	0.02
Total Other Expenses	150.00	11,387.75
Grant Expenses		
Harbor Grant Expenses		
54408.1 · Harbor Grant Exp	30.00	458.73
Total Harbor Grant Expenses	30.00	458.73
Conservation Grant Expenses		
54408.3 · Conservation Grant Exp	2,970.00	32,982.18
Total Conservation Grant Expenses	2,970.00	32,982.18
Total Grant Expenses	3,000.00	33,440.91
Bad Debts		
51308 · Bad Debts - T	0.00	-20.00
Total Bad Debts	0.00	-20.00
Total Expense	233,759.28	2,269,611.77
Net Ordinary Income	63,445.67	371,645.62
Net Income	<u>63,445.67</u>	<u>371,645.62</u>

1:50 PM

05/20/19

Accrual Basis

Humboldt Bay Harbor, Recreation & Conservation District

Account QuickReport

As of March 31, 2019

Type	Date	Num	Name	Memo	Amount
10200.1 - Cash in BBVA, Checking					
Liability Check	03/07/2019		QuickBooks Payroll Service	Created by Payroll Service on 03/06/...	-16,802.76
Liability Check	03/21/2019		QuickBooks Payroll Service	Created by Payroll Service on 03/20/...	-17,608.87
Check	03/15/2019			Service Charge	-133.43
Liability Check	03/22/2019	Eft	Aflac	SB616	-60.56
Bill Pmt -Check	03/08/2019	EFT	CalPERS 457 Program	457Match 3/8/19	-300.00
Liability Check	03/08/2019	EFT	CalPERS 457 Program	450348	-1,242.00
Liability Check	03/08/2019	EFT	PERS	2233447024	-2,951.81
Liability Check	03/08/2019	EFT	Tri Counties Bank	94-2262845	-19,271.52
Liability Check	03/08/2019	EFT	Tri Counties Bank	94-2262845	-3,457.28
Liability Check	03/08/2019	EFT	Employment Development Department	499-0307-3	-6,882.82
Liability Check	03/08/2019	EFT	Employment Development Department	499-0307-3	-939.76
Liability Check	03/08/2019	EFT	State Disbursement Unit	0230000067964	-94.61
Liability Check	03/08/2019	EFT	State Disbursement Unit	0230000067964	-233.53
Bill Pmt -Check	03/04/2019	EFT	Pacific Gas & Electric	Vance Ave	-3,938.34
Bill Pmt -Check	03/22/2019	EFT	CalPERS 457 Program	457Match 3/8/19	-275.00
Bill Pmt -Check	03/22/2019	EFT	PERS	2233447024	-3,939.85
Liability Check	03/22/2019	EFT	PERS	2233447024	-2,930.76
Liability Check	03/22/2019	EFT	CalPERS 457 Program	450348	-1,142.00
Liability Check	03/22/2019	EFT	Tri Counties Bank	94-2262845	-3,757.36
Liability Check	03/22/2019	EFT	Employment Development Department	499-0307-3	-952.36
Liability Check	03/22/2019	EFT	State Disbursement Unit	0230000067964	-328.14
Bill Pmt -Check	03/06/2019	58968	Humboldt County Tax Collector	401-031-048, 401-031-050, 401-031-...	-5,846.87
Bill Pmt -Check	03/08/2019	58970	Humboldt Bay Municipal Water Dist.		-1,410.02
Bill Pmt -Check	03/08/2019	58971	City of Eureka	WIM	-11,898.36
Bill Pmt -Check	03/08/2019	58972	A T & T	707 443-0801 071 7	-1,055.64
Bill Pmt -Check	03/11/2019	58973	Humboldt Waste Management Authority		-575.28
Bill Pmt -Check	03/13/2019	58974	Renner Petroleum	14137	-4,392.78
Bill Pmt -Check	03/13/2019	58975	Salzman, Clay	Deposit Refund	-100.00
Check	03/13/2019	58976	Olsen, Thomas		-524.50
Check	03/13/2019	58977	Boehm, Kim R	Tenant Refund, Account 1412	-163.44
Check	03/13/2019	58978	King, Chet	Tenant Refund, Account #1190	-114.56
Check	03/13/2019	58979	Hendry, Richard	Tenant Refund	-41.50
Check	03/13/2019	58980	Hendry, Richard	Key Deposit Refund	-20.00
Bill Pmt -Check	03/13/2019	58981	U S Bank Corporate Payment System	4246044555706765	-10,988.43
Bill Pmt -Check	03/05/2019	58982	ACWA JPIA		-49,434.02
Bill Pmt -Check	03/05/2019	58983	101Netlink		-336.00
Bill Pmt -Check	03/05/2019	58984	Advanced Display & Signs		-271.54
Bill Pmt -Check	03/05/2019	58985	An Electrician Inc	RMT2	-236.32
Bill Pmt -Check	03/05/2019	58986	B & B Portable Toilets	RWD	-182.99
Bill Pmt -Check	03/05/2019	58987	CA Harbor Masters & Port Captains	Employment Ads	-100.00
Bill Pmt -Check	03/05/2019	58988	California Redwood Co.	Red Tank	-377.98
Bill Pmt -Check	03/05/2019	58989	Campton Electric Supply		-253.63
Bill Pmt -Check	03/05/2019	58990	City of Eureka	WIM	-12,871.14
Bill Pmt -Check	03/05/2019	58991	Coastal Business Systems, Inc.	Copier Lease	-268.22
Bill Pmt -Check	03/05/2019	58992	Coastal Ecosystems Institute of No. Calif	Gold Level Sponsorship for 2019 Hu...	-500.00
Bill Pmt -Check	03/05/2019	58993	Commercial Laundry Repair	Laundry Soap	-132.83
Bill Pmt -Check	03/05/2019	58994	David L. Moonie & Company		-3,874.00
Bill Pmt -Check	03/05/2019	58995	Don's Rent-All	7197	-192.05
Bill Pmt -Check	03/05/2019	58996	Eureka Oxygen Company		-250.13
Bill Pmt -Check	03/05/2019	58997	Harshwal & Company, LLP	Audit for FY 2017/18	-3,384.00
Bill Pmt -Check	03/05/2019	58998	High Rock Conservation Camp		-500.00
Bill Pmt -Check	03/05/2019	58999	Hillside Powersports Marine	Port Authority Boat	-1,530.85
Bill Pmt -Check	03/05/2019	59000	Humboldt Bay Solar Fund LLC		-5,442.57
Bill Pmt -Check	03/05/2019	59001	Humboldt Community Services District	3165	-247.23
Bill Pmt -Check	03/05/2019	59002	ICF Jones & Stokes, Inc.	Professional Services 1/1-1/25/19	-435.00
Bill Pmt -Check	03/05/2019	59003	Industrial Electric Service Co.	Test Pump	-100.00
Bill Pmt -Check	03/05/2019	59004	Maples Service Inc.	B8 Fire sprinkler inspection PO #1374	-1,900.00
Bill Pmt -Check	03/05/2019	59005	Merkel & Associates, Inc.	Humboldt Bay Eelgrass Mgmt Plan D...	-753.25
Bill Pmt -Check	03/05/2019	59006	The Mitchell Law Firm, LLP	Jan 2019	-6,798.00
Bill Pmt -Check	03/05/2019	59007	Munson Co. Inc.		-183.06
Bill Pmt -Check	03/05/2019	59008	Napa Auto Parts		-499.10
Bill Pmt -Check	03/05/2019	59009	Northern California Safety Consortium	HAZWOPER for Robert Provolt, Cory...	-1,635.00
Bill Pmt -Check	03/05/2019	59010	Nylex.net		-2,196.87
Bill Pmt -Check	03/05/2019	59011	Pacific Gas & Electric	RWD	-137.66
Bill Pmt -Check	03/05/2019	59012	Personnel Concepts	Labor Law Notices, State of Calif	-27.43
Bill Pmt -Check	03/05/2019	59013	Pierson Building Center		-3,937.21
Bill Pmt -Check	03/05/2019	59014	Planwest Partners, Inc.		-7,259.40
Bill Pmt -Check	03/05/2019	59015	PPG Architectural Finishes		-226.62
Bill Pmt -Check	03/05/2019	59016	Precision Intermedia	Peter Krueger, 565-04-9041, 20-147...	-60.00
Bill Pmt -Check	03/05/2019	59017	Razursharp Saw Chain Service	HUMBOLBOX	-46.02
Bill Pmt -Check	03/05/2019	59018	Recology Eel River	SC	-394.57
Bill Pmt -Check	03/05/2019	59019	Recology Humboldt County	A0000265	-9,376.90
Bill Pmt -Check	03/05/2019	59020	Schmidbauer Building Supply		-722.38
Bill Pmt -Check	03/05/2019	59021	Security Lock & Alarm	RMT2	-23.37
Bill Pmt -Check	03/05/2019	59022	Shafer's Ace Hardware	1586	-462.37
Bill Pmt -Check	03/05/2019	59023	Shelter Cove Fishing Preservation Inc	Cleaning of SC Boat Ramp	-500.00
Bill Pmt -Check	03/05/2019	59024	SHN Consulting Engineers & Geologists		-7,462.67

1:50 PM

05/20/19

Humboldt Bay Harbor, Recreation & Conservation District

Account QuickReport

Accrual Basis

As of March 31, 2019

Type	Date	Num	Name	Memo	Amount
Bill Pmt -Check	03/05/2019	59025	Southwest Answering Service		-161.02
Bill Pmt -Check	03/05/2019	59026	Specialty Traffic Systems	PPE	-6.33
Bill Pmt -Check	03/05/2019	59027	Standard Insurance Company	ST 908447 0001	-169.80
Bill Pmt -Check	03/05/2019	59028	Staples Credit Plan	6035 5178 1247 5530	-693.80
Bill Pmt -Check	03/05/2019	59029	Thrifty Supply	RMT2 Bathrooms	-594.40
Bill Pmt -Check	03/05/2019	59030	Times-Standard, Tri-City Weekly		-597.67
Bill Pmt -Check	03/05/2019	59031	Tony Gosselin & Sons		-60.00
Bill Pmt -Check	03/05/2019	59032	Verizon Wireless		-233.88
Bill Pmt -Check	03/05/2019	59033	Western Chainsaw		-579.47
Bill Pmt -Check	03/05/2019	59034	Whitchurch Engineering		-3,220.00
Bill Pmt -Check	03/05/2019	59035	World Oil Enviromental Services		-2,160.68
Bill Pmt -Check	03/14/2019	59036	Verizon Wireless		-1,134.79
Bill Pmt -Check	03/14/2019	59037	Pacific Gas & Electric		-5,549.94
Bill Pmt -Check	03/14/2019	59038	Pacific Gas & Electric	RWD	-133.39
Bill Pmt -Check	03/14/2019	59039	Pacific Gas & Electric	364 Vance	-147.19
Bill Pmt -Check	03/14/2019	59040	Pacific Gas & Electric	RWD	-69.57
Bill Pmt -Check	03/14/2019	59041	Bobillot, Alan	Retirement Lunch for Suzie Howser	-117.42
Bill Pmt -Check	03/14/2019	59042	Clueit, Bernadette	Reimbursement for Suzie Howser's ...	-150.00
Bill Pmt -Check	03/14/2019	59043	Coastal Business Systems, Inc.	Copier Contract	-3,565.35
Bill Pmt -Check	03/14/2019	59044	Coldwell Banker Commerical PacificPart...	Rogue Construction	-360.00
Bill Pmt -Check	03/14/2019	59045	Costco Wholesale Membership	Membership Dues	-120.00
Bill Pmt -Check	03/14/2019	59046	David L. Moonie & Company		-3,809.00
Bill Pmt -Check	03/14/2019	59047	Eureka Rubber Stamp	RMT2	-27.34
Bill Pmt -Check	03/14/2019	59048	Fastenal Company		-36.78
Bill Pmt -Check	03/14/2019	59049	Francotyp-Postalia		-144.78
Bill Pmt -Check	03/14/2019	59050	Grainger	638 867601130	-338.19
Bill Pmt -Check	03/14/2019	59051	Hensell Materials, Inc.	WIM	-25.59
Bill Pmt -Check	03/14/2019	59052	Pacific Gas & Electric	Vance Ave	-8,118.75
Bill Pmt -Check	03/14/2019	59053	Pierson Building Center		-1,597.96
Bill Pmt -Check	03/14/2019	59054	Planwest Partners, Inc.		-11,598.30
Bill Pmt -Check	03/14/2019	59055	PPG Architectural Finishes	RMT2 Bathrooms	-29.48
Bill Pmt -Check	03/14/2019	59056	Recology Humboldt County	A0000265	-843.69
Bill Pmt -Check	03/14/2019	59057	Rogers Machinery Co.	RMT2 Fire Service	-35.81
Bill Pmt -Check	03/14/2019	59058	Security Lock & Alarm	RMT2	-13.56
Bill Pmt -Check	03/14/2019	59059	SHN Consulting Engineers & Geologists		-5,880.00
Bill Pmt -Check	03/14/2019	59060	Tehama Tire		-955.98
Bill Pmt -Check	03/14/2019	59061	Times-Standard, Tri-City Weekly	Newspaper Subscription	-211.42
Bill Pmt -Check	03/14/2019	59062	Woodley Island Ship Shop	Line	-27.60
Bill Pmt -Check	03/14/2019	59063	Advanced Security Systems		-762.75
Bill Pmt -Check	03/19/2019	59064	Mendes Supply Company		-1,095.60
Liability Check	03/22/2019	59067	Franchise Tax Board	Robert M. Tatian Sr. 549751986	-567.60
Liability Check	03/22/2019	59068	ILWU Local 14A	Union Dues	-137.00
Bill Pmt -Check	03/21/2019	59069	Englund Marine Supply		-455.48
Bill Pmt -Check	03/21/2019	59070	High Rock Conservation Camp		-1,400.00
Bill Pmt -Check	03/21/2019	59071	Humboldt Fasteners	Shop Tools	-41.85
Bill Pmt -Check	03/21/2019	59072	Interstate Battery	RMT2	-120.49
Bill Pmt -Check	03/21/2019	59073	The Mitchell Law Firm, LLP		-5,843.50
Bill Pmt -Check	03/21/2019	59074	Pape Material Handling		-396.31
Bill Pmt -Check	03/21/2019	59075	Shafer's Ace Hardware	1586	-166.89
Bill Pmt -Check	03/21/2019	59076	Southwest Answering Service		-161.02
Bill Pmt -Check	03/28/2019	59077	B & B Portable Toilets	RWD	-185.74
Bill Pmt -Check	03/28/2019	59078	California Redwood Co.	Red Tank	-342.36
Bill Pmt -Check	03/28/2019	59079	Coastal Business Systems, Inc.	Copier Lease	-268.22
Bill Pmt -Check	03/28/2019	59080	Combined Benefits Administrators	Prefund	-8,000.00
Bill Pmt -Check	03/28/2019	59081	Humboldt Bay Solar Fund LLC		-6,472.64
Bill Pmt -Check	03/28/2019	59082	Pacific Gas & Electric	WIM, FL, RMT2	-13,580.29
Bill Pmt -Check	03/28/2019	59083	PPG Architectural Finishes		-132.11
Bill Pmt -Check	03/28/2019	59084	Standard Insurance Company	ST 908447 0001	-182.80
Bill Pmt -Check	03/28/2019	59085	Whitchurch Engineering		-2,292.50
Bill Pmt -Check	03/28/2019	59086	World Oil Enviromental Services		-65.00
Total 10200.1 - Cash in BBVA, Checking					-346,085.60
TOTAL					-346,085.60

8:23 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

March 2019

	Mar 19	Jul '18 - Mar 19
Ordinary Income/Expense		
Income		
Discount	0.00	0.00
Dredging Revenue		
41318 · Dredging Surcharge - T	0.00	65,655.74
Total Dredging Revenue	0.00	65,655.74
Float Replacement Account		
41418 · Float Replacement	0.00	44,015.53
Total Float Replacement Account	0.00	44,015.53
Harbor Surcharge		
40908 · Harbor Improvement Surcharge-T	3,099.00	71,435.84
Total Harbor Surcharge	3,099.00	71,435.84
Utility Surcharge		
40409 · Utility Surcharge - NT	5,744.01	55,382.97
40418 · Utility Surcharge, Marina Dock	8,907.46	51,549.67
Total Utility Surcharge	14,651.47	106,932.64
Grant Revenue		
Harbor Grants		
45208.1 · Harbor Grants, Gov't - T	0.00	12,383.87
Total Harbor Grants	0.00	12,383.87
Total Grant Revenue	0.00	12,383.87
Tax Revenue		
43809 · TIMBER YIELD TAX GUAR G/NT	1,000.00	9,000.00
43609 · HOMEOWNERS EXEMPT G/NT	1,167.00	10,503.00
43509 · Property Tax Revenues	79,083.00	802,813.02
Total Tax Revenue	81,250.00	822,316.02
Other Revenue		
45909 · Other Revenue - NT	293.53	88,290.91
45908 · Other Revenue - T	707.01	36,469.32
46008 · Recovery of Bad Debt - T	0.00	-273.00
Total Other Revenue	1,000.54	124,487.23
Interest Revenue		
43109 · Interest Income - NT	13,646.00	124,031.10
43108 · Interest Income - T	523.35	4,709.90
43318 · Interest On Del Accts - T	0.00	5,234.92
43309 · Interest On Del Accts - NT	0.00	10,260.12
Total Interest Revenue	14,169.35	144,236.04
Rent Income		
41108 · Rents, Tidelands Leases - T	58,431.76	278,409.89
40318.1 · Transient Rentals - T	15,312.30	68,274.38
40519 · Equipment Rent - NT	230.00	1,425.00
40709 · FL BUILDING SPACE RENT G/NT	504.00	504.00
40809 · Yard Rent - NT	7,616.72	123,261.68
41309 · Storage - NT	14,976.00	43,229.89
41409 · Upland Rent - NT		
41409.2 · Redwood Terminal 2 - NMTC	5,007.69	45,069.21
41409 · Upland Rent - NT - Other	16,986.22	404,071.77
Total 41409 · Upland Rent - NT	21,993.91	449,140.98
40218 · Slip Rents - T	63,442.71	420,516.39
Total Rent Income	182,507.40	1,384,762.21

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

March 2019

	Mar 19	Jul '18 - Mar 19
Fees		
40108 · PERMITS-T	100.00	695.41
41818 · Late Charges/Interest - T	1,465.00	9,287.39
45608 · Chevron - Ports O&M - T	8,087.50	25,573.07
41819 · Late Charges/Interest - NT	2,010.12	15,463.48
40808 · Pilotage Services - T	0.00	1,084.25
40618 · Boat Launch Fees - T	2,100.00	62,259.14
40509 · Travel Lift Fees - T	435.00	1,160.00
40609 · Haul Out Fees - T	4,643.20	26,953.20
41308.1 · Poundage - T	1,934.88	16,060.84
Total Fees	20,775.70	158,536.78
Sales		
40109 · Sales, Retail - NT	100.00	12,525.00
40119 · Concession Sales - NT	669.39	11,782.36
Total Sales	769.39	24,307.36
Donations		
45709 · Donations - Sea Scouts	0.00	50.00
46519 · Donations - Lighthouse	0.00	16.00
Total Donations	0.00	66.00
4999 · UNCATEGORIZED INCOME	0.00	344.98
Total Income	318,222.85	2,959,480.24
Gross Profit	318,222.85	2,959,480.24
Expense		
Personnel Expenses		
Salaries/Wages		
50100 · Salaries & Wages - NT	107,281.51	656,435.93
50108 · Salaries & Wages - T	344.96	25,432.26
Total Salaries/Wages	107,626.47	681,868.19
Payroll Burden		
6560 · Workers' Comp	7,081.61	32,590.11
50500 · Payroll Benefits, Other - NT	31,434.14	266,074.62
50508 · Payroll Benefits, Other - T	11,220.94	68,896.24
50510 · PAYROLL BENEFITS M/A	1,142.56	9,250.72
Total Payroll Burden	50,879.25	376,811.69
Commissioners Fees		
50200 · Commissioner's Salaries - NT	1,470.00	13,230.00
50210 · COMMISSIONERS SALARIES M/A	630.00	5,670.00
Total Commissioners Fees	2,100.00	18,900.00
Contract Temporary Services		
50310 · Contract Temporary Services - N	0.00	3,242.38
Total Contract Temporary Services	0.00	3,242.38
Personnel Expenses - Other	0.00	0.00
Total Personnel Expenses	160,605.72	1,080,822.26
Advertising & Promotion		
51000 · Advertising & Promotion - NT	42.00	822.33
51008 · Advertising & Promotion - T	150.00	934.15
Total Advertising & Promotion	192.00	1,756.48
Communications		
51400 · Communications - NT	738.27	8,036.48

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

March 2019

	Mar 19	Jul '18 - Mar 19
51408 · Communications - T	254.73	2,632.80
Total Communications	993.00	10,669.28
Conference & Meetings		
51500 · Conferences & Meetings - NT	6,866.72	16,946.53
51508 · Conferences & Meetings - T	0.00	2,277.81
Conference & Meetings - Other	-4,704.75	-5.05
Total Conference & Meetings	2,161.97	19,219.29
Dues, Subscriptions & Licences		
51600 · Dues & Subscriptions - NT	3,389.63	44,588.02
51608 · Dues & Subscriptions - T	166.94	4,281.94
Total Dues, Subscriptions & Licences	3,556.57	48,869.96
Elections & Government Fees		
51700 · Elections & Prop Tax Assess-NT	5,846.87	18,340.07
Total Elections & Government Fees	5,846.87	18,340.07
Insurance		
51800 · Insurance - NT	5,486.70	43,774.72
51808 · Insurance - T	1,066.33	8,516.14
51810 · INSURANCE M/A	0.00	2,436.72
51819 · INSURANCE M/NT		
53209.1 · Shelter Cove Insurance	0.00	394.19
53109.3 · Fields Landing Insurance	0.00	638.65
Total 51819 · INSURANCE M/NT	0.00	1,032.84
Total Insurance	6,553.03	55,760.42
Office Supplies		
52100 · Outside Services - NT	0.00	3,071.84
51900 · Office Supplies - NT	1,447.74	24,594.32
51908 · Office Supplies - T	186.11	5,167.66
51910 · OFFICE EXPENSE M/A	0.00	1,146.00
51918 · OFFICE EXPENSE M/T	35.15	268.35
Total Office Supplies	1,669.00	34,248.17
Maintenance Supplies		
54208 · REDWOOD DOCK EXPENSE	0.00	155.58
53209 · SHELTER COVE OPER EXP G/NT	0.00	3,816.81
53208 · SHELTER COVE OPER EXP G/T	0.00	2,816.77
53200 · SHELTER COVE OPER EXP G/A	0.00	1,714.00
52010 · Maintenance Supplies - NT	2,185.83	42,441.34
52008 · Maintenance Supplies - T	178.31	7,798.34
Maintenance Supplies - Other	0.00	0.00
Total Maintenance Supplies	2,364.14	58,742.84
Permits		
51618 · Permits - T	0.00	12,461.00
Total Permits	0.00	12,461.00
Utilities		
52909 · Utilities - NT	13,590.23	74,333.43
52918 · Utilities - T	8,747.29	40,451.96
53000 · Water, Sewer, & Refuse - NT	18,157.11	141,265.83
53008 · Water, Sewer, & Refuse - T	0.00	32,578.80
Total Utilities	40,494.63	288,630.02
Fuel		
50400 · IMPUTED AUTO VALUE G/A	78.40	744.80

8:23 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

March 2019

	Mar 19	Jul '18 - Mar 19
51208 · Vessel Fuel	1,198.45	3,701.35
51218 · Automotive, Fuel - T	334.51	6,744.88
51200 · Automotive, Fuel- NT	303.05	7,104.25
Total Fuel	1,914.41	18,295.28
Accounting/Auditing Services		
52500 · Accounting Fees - T	973.25	23,803.25
52508 · Accounting Fees - NT	2,919.75	15,651.75
Total Accounting/Auditing Services	3,893.00	39,455.00
Legal Services		
52300 · Legal Fees - NT	2,512.88	22,175.88
52308 · Legal Fees - T	837.62	10,161.62
Total Legal Services	3,350.50	32,337.50
Planning Services		
52208 · Planning Fees - T	5,729.00	17,372.70
52200 · Planning Fees - NT	1,780.00	63,311.54
Total Planning Services	7,509.00	80,684.24
Engineering Services		
52400 · Engineering Fees - NT	10,861.25	43,385.72
52408 · Engineering Fees - T	595.20	34,372.07
Total Engineering Services	11,456.45	77,757.79
Other Professional/Outside Serv		
52110 · OUTSIDE SERVICES M/A	246.02	1,601.78
52109 · Outside Services, Other - NT	-3,330.67	6,571.28
52118 · Outside Services, Other - T	222.00	2,102.50
Total Other Professional/Outside Serv	-2,862.65	10,275.56
Small Tools		
52800 · Small Tools - NT	7.73	1,385.67
52808 · Small Tools - T	1,204.60	1,585.41
Small Tools - Other	0.00	5.05
Total Small Tools	1,212.33	2,976.13
Maintenance - Facilities		
54309 · Redwood Terminal 2 Expenses	3,632.26	7,074.89
52708 · Repairs & Maint, Facilities - T	586.74	37,489.89
52709 · REPAIRS & MAINTENANCE G/NT	678.62	20,439.45
52719 · Repairs & Maint, Facilities - N	3,287.72	18,669.81
Total Maintenance - Facilities	8,185.34	83,674.04
Maintenance - Equipment		
52718 · Repairs & Maint, Equip - T	2,691.01	8,850.62
52710 · Repairs & Maint, Equip - NT	3,695.81	12,885.32
51209 · Automotive, Repairs - NT	254.74	8,292.96
Total Maintenance - Equipment	6,641.56	30,028.90
Maintenance - IT		
57008 · Maintenance, IT Equip - T	2,875.75	3,877.94
Maintenance, IT Equip - NT	1,678.57	2,875.75
Maintenance - IT - Other	-2,875.75	-2,875.75
Total Maintenance - IT	1,678.57	3,877.94
Dredging Expense		
55608 · Dredging Expense - T	0.00	7,850.00
56708 · Dredging - GT	0.00	7,968.76
56718 · Dredging - MT	0.00	2,948.84

8:23 AM

Humboldt Bay Harbor, Recreation & Conservation District

05/21/19

Profit & Loss YTD Comparison

Accrual Basis

March 2019

	Mar 19	Jul '18 - Mar 19
Dredging Expense - Other	0.00	0.00
Total Dredging Expense	0.00	18,767.60
Capital Outlay		
53619 · Expenses Pending Transfer - Eq	8,658.57	61,044.54
53618 · Expenses Pending Transfer-Auto	-117.42	0.00
Total Capital Outlay	8,541.15	61,044.54
Rent Expense		
54308 · Redwood Terminal 2 Lease Expens	22,479.59	248,930.03
54409 · Lease Expense - RT2	0.00	18,887.52
Total Rent Expense	22,479.59	267,817.55
Interest Expense		
55119 · INTEREST EXPENSE M/NT	3,371.00	30,339.00
55109 · Interest Expense - NT	6,833.43	101,031.32
55108 · Interest Expense - T	5,691.00	51,252.54
Total Interest Expense	15,895.43	182,622.86
Other Expenses		
54109 · Sea Scouts Expense - NT	0.00	231.11
55418 · Other Expenses - T	0.00	3,288.31
55419 · Other Expenses - NT	4,424.00	12,292.31
53709 · Cash Over/Short - NT	0.00	0.02
Total Other Expenses	4,424.00	15,811.75
Grant Expenses		
Harbor Grant Expenses		
54408.1 · Harbor Grant Exp	30.00	488.73
Total Harbor Grant Expenses	30.00	488.73
Conservation Grant Expenses		
54408.3 · Conservation Grant Exp	325.50	33,307.68
Total Conservation Grant Expenses	325.50	33,307.68
Total Grant Expenses	355.50	33,796.41
Bad Debts		
51308 · Bad Debts - T	0.00	-20.00
Total Bad Debts	0.00	-20.00
Total Expense	319,111.11	2,588,722.88
Net Ordinary Income	-888.26	370,757.36
Net Income	<u>-888.26</u>	<u>370,757.36</u>



COMMISSIONERS

1st Division

Larry Doss

2nd Division

Greg Dale

3rd Division

Stephen Kullmann

4th Division

Richard Marks

5th Division

Patrick Higgins

**Humboldt Bay
Harbor, Recreation and Conservation District**

(707) 443-0801

P.O. Box 1030

Eureka, California 95502-1030

May 23, 2019

Senator Holly Mitchell, Chair
Senate Budget Committee
State Capitol, Room 5019
Sacramento, CA 95814

Assembly Member Phil Ting, Chair
Assembly Budget Committee
State Capitol, Room 6026
Sacramento, CA 95814

RE: FY 2019/2020 North Coast Rail Authority Funding – SUPPORT

Dear Senator Mitchell and Assembly Member Ting,

On behalf of the Humboldt Bay Harbor, Recreation and Conservation District Board of Commissioners, we support Senator Mike McGuire's budget request for \$10.8 million to help pay down the North Coast Railroad Authority's (NCRA) debt and ultimately dissolve the NCRA. This is a critical next step in the process to transfer the public assets held by the NCRA.

In 2018 Humboldt County and the Harbor District supported SB 1029 (McGuire) as an opportunity to create a Great Redwood Trail for hiking and biking, believing it is in the public and economic best interest of the north coast. Providing these funds will help ensure the protection of this important corridor connecting Humboldt County to the Bay Area.

The funding requested by Senator McGuire will go toward paying off existing NCRA debts, authorizing \$1 million for an initial assessment of the right-of-way for the Trail, \$1.5 million for research on the estimated 1,900 property easements along the 300 mile rail-to-trail line and \$500,000 to complete the audit of NCRA's finances and the possible transfer of a portion of the line to the Sonoma Marin Area Rail Transit District (SMART). This funding will help facilitate the closure of NCRA and the transfer of the right-of-way to successor agencies.

There is strong support for the Great Redwood Trail in Humboldt County, a project with economic, environmental and connectivity benefits; a vision that promises to enhance the wellbeing of our local community and ensure future protections for clean water and environmental health. We respectfully ask for your support of this project.

Respectfully Submitted,

Greg Dale, President
Humboldt Bay Harbor, Recreation and Conservation District Board of Commissioners

cc: The Honorable Senator Mike McGuire
The Honorable Assembly Member Marc Levine

COMMISSIONERS

1st Division

Larry Doss

2nd Division

Greg Dale

3rd Division

Stephen Kullmann

4th Division

Richard Marks

5th Division

Patrick Higgins

Humboldt Bay
Harbor, Recreation and Conservation District
 (707) 443-0801
 P.O. Box 1030
 Eureka, California 95502-1030

**STAFF REPORT – HARBOR DISTRICT MEETING****May 23, 2019**

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

PREPARED BY: Bernadette Clueit, Harbor Specialist III

TITLE: Consideration of Resolution 2019-06, A Resolution Establishing Findings Relative to the Permit Application by the California Department of Transportation for Work Associated with the Eureka-Arcata Route 101 Corridor Improvement Project

STAFF RECOMMENDATION: Staff recommends the Board: Adopt Resolution 2019-06 establishing findings in accordance with the California Environmental Quality Act (CEQA) for implementation of the Eureka-Arcata Route 101 Corridor Improvement Project.

BACKGROUND: Caltrans proposes to improve public safety and infrastructure along the Eureka-Arcata Route 101 Corridor by eliminating uncontrolled left turns, adding a grade separated intersection at Indianola Road, adding a partial signal at Airport road, extending and/or constructing various acceleration and deceleration lanes, replacing and upgrading bridge rails and guard rails, installing a cable median barrier, replacing the southbound Jacoby Creek bridge, and replacing six (6) tide gates on culverts. The replacement of the southbound Jacoby Creek bridge, the bridge rail upgrades at northbound Jacoby Creek Bridge and northbound Gannon Slough Bridge, and the tide gate replacement elements of the project fall within the regulatory jurisdiction of the District as they require work below the Mean Higher High Water level. Mitigation for this work is being developed as a separate project and, if needed, will be considered under a separate permit application to the District (Attachment A).

On May 3, 2019, Caltrans submitted to the District an amendment to the original Permit Application 2018-01 (Attachment B). The amendment reduced the scope of the project by removing the construction of a rock weir at Gannon Slough and removing two tide gate replacements from the project. The amendment also included the addition of impact driving during the installation of the bridge piles during construction of both the proposed detour bridge as well as the proposed new permanent southbound Jacoby Creek Bridge.

DISCUSSION: The existing southbound Jacoby Creek bridge on Route 101 at post mile 84.6 was originally constructed in 1920 for a two-lane conventional highway. Due to age and deterioration, and the need for more frequent and costly maintenance, this bridge needs to be replaced. The new bridge will be approximately 73 feet long and 43 feet wide (6 feet wider than the current bridge). The additional width will allow for standard shoulder widths and bridge rails. The new bridge will be two lanes wide and single span with no piers in the channel, unlike the current bridge which is a three-span structure with two rows of piles within the channel. The new bridge will be constructed at a deck elevation approximately two feet higher than the existing bridge elevation to account for anticipated sea-level rise and to keep the new bottom of soffit above existing soffit elevations. The new bridge will have

approximately 300 square feet more surface area and will shade an additional 300 square feet area of Jacoby Creek.

Construction of the temporary detour bridge and new permanent southbound bridge will involve the removal of approximately 0.05 acres of riparian vegetation including four (4) large non-native Monterey pine (*Pinus radiata*) trees, and will have a permanent impact to 0.77 acres of wetland. Caltrans is developing a proposal for up to 68.74 acres of compensatory wetland mitigation associated with the Route 101 project (Attachment C). Proposed construction methods for the two bridges have been modified to include impact driving during installation of the cast-in-steel shell piles. Impact driving was not originally considered as a construction method in the Final EIR, however Caltrans structural and geotechnical engineers later determined that it would be necessary in order for the piles to develop the required bearing capacity. On February 15, 2019, National Marine Fisheries Service determined the proposed changes to pile driving did not change the original effects analysis and determination of their original April 2016 Endangered Species Act letter of concurrence, and would not require reinitiation of informal consultation.

Bridge rail upgrades are proposed for northbound Jacoby Creek and northbound Gannon Slough bridges which will be cantilevered from the existing bridges thus avoiding the placement of additional piers within the watercourses. Construction of the bridge rails will be performed from the roadway, however workers may need to walk on the bed, bank or channel of the watercourses. The proposed new bridge rails will widen each bridge by approximately 24 inches resulting in an increase in shading of approximately 100 square feet of Jacoby Creek and 75 square feet of Gannon Slough.

Six (6) tide gates at four different locations along the corridor are identified for replacement. The tide gates were installed in 1954, are aging and in poor condition, and require emergency repair at an increasing rate. Included are the tide gate south of Mid-City Motor World that connects to a roadside ditch at California Redwood Company; a tide gate at Brainard Slough north of Bracut; a tide gate at Old Jacoby Creek; and a triple tide gate at Gannon Slough, north of the northbound Gannon Slough Bridge.

Currently, all tide gates are standard top-hinged flap gate design, either round or rectangular. One tide gate at each of the Brainard Slough and Old Jacoby Creek locations, and two tide gates at the Gannon Slough location will be replaced with fish-friendly (i.e., fish can pass through them) tide gates. Once installed, the fish-friendly tide gates will be adjusted to maintain existing muted tidal flow conditions to perpetuate current habitat conditions present inland of the tide gates, such as minimum and maximum water level, salinity, and water level fluctuations.

Parts of the Eureka-Arcata Route 101 Corridor are currently susceptible to bay flooding. Flooding events could increase as sea level rises. The California Department of Transportation is currently developing a sea level rise adaptation plan for the Eureka-Arcata Route 101 Corridor. Currently proposed project components are designed to allow for implementation of future sea level rise adaption measures such as raising of Jacoby Creek Bridge.

Caltrans prepared and certified a Final EIR (SCH #2001092035) with mitigation measures and a mitigation monitoring and/or reporting plan was adopted for the project. Findings were prepared for each of the significant environmental impacts identified in the Final EIR, and a Statement of Overriding Considerations was adopted. The Draft EIR was made available for public review and comment in July 2007, and was the subject of two public meetings. The District, as a responsible agency for the proposed project, must review and consider the information contained in the Final EIR.

ATTACHMENTS:

- A.** Spartina Removal and Monitoring Plan
- B.** Amended Project Description as of May 3, 2019
- C.** Draft Wetland Mitigation and Monitoring Plan
- D.** Resolution 2019-06

SPARTINA REMOVAL AND MONITORING PLAN

For the Humboldt Bay Area Mitigation
(HBAM) Project

EA / EFIS
01-36601 / 0114000065
In Humboldt County, California



April 2019



STATE OF CALIFORNIA
Department of Transportation
North Region Environmental
1656 Union Street
Eureka, CA 95501
707-445-5273

LIST OF PREPARERS

Prepared By: _____

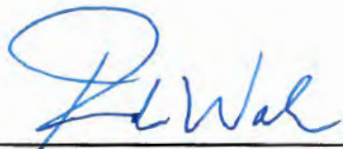


Date: _____

4/8/19

Desiree Davenport, Mitigation Specialist
North Region Environmental - Coastal Stewardship Branch
District 01
1656 Union Street
Eureka, CA 95501
(707) 445-5273
Desiree.Davenport@dot.ca.gov

Approved By: _____



Date: _____

4-8-19

Robert S. Wall, Senior Environmental Planner, Branch Chief
North Region Environmental - Coastal Stewardship Branch
District 01
1656 Union Street
Eureka, CA 95501
(707) 445-5320
Robert.Wall@dot.ca.gov

Table of Contents

Chapter 1. Introduction.....	1
1.1 Project Impacts and Proposed Mitigation	1
1.2 Anticipated Agency Permits.....	5
Chapter 2. Implementation	6
2.1 Implementation Plan.....	6
2.2 Implementation Schedule	7
Chapter 3. Success Criteria, Monitoring and Reporting	9
3.1 Performance and Success Criteria	9
3.2 Monitoring Methods and Schedule	10
3.3 Reporting	11
3.4 Remedial Actions and Adaptive Management.....	12
Chapter 4. References	13

List of Appendices

Appendix A: Project Maps	
Appendix B: Pre-Treatment Photos	
Appendix C: Letters of Support from Partner Agencies	

List of Tables

Table 1: Summary of Wetland Impacts.	2
Table 2: Summary of Proposed Implementation Schedule	7
Table 3: Example of Site-specific Treatment Stages over a 5-yr Treatment Period.....	8
Table 4: Schedule of Proposed Monitoring.	10

Chapter 1. Introduction

The California Department of Transportation proposes to remove invasive cordgrass *Spartina densiflora* (Spartina) at specific sites within Humboldt Bay and conduct follow up removal as needed to offset impacts to coastal wetlands associated with the Eureka-Arcata Corridor project (Caltrans 2016b) (Table 1). The planned offsite mitigation would also provide mitigation for two regional trail projects; the Humboldt County Association of Governments (HCAOG) South Bay Trails Project and the City of Arcata (Arcata) North Bay Trails for the California Coastal Commission (CCC). Caltrans has entered into agreements with HCAOG and Arcata to provide mitigation for the trails projects. The above-named projects will be referred to as “The Project.”

For this effort, Caltrans will work with local partners who are the local experts in the science of Spartina control as well as landowners who are currently working to remove Spartina on their lands, including but not limited to: Redwood Community Action Agency [RCAA], Humboldt Bay Harbor Recreation and Conservation District [HBHD], U.S. Fish and Wildlife Service [USFWS], California Department of Fish and Wildlife [CDFW], City of Arcata, City of Eureka, and the Wiyot Tribe.

1.1 Project Impacts and Proposed Mitigation

The purpose of this Spartina Removal and Monitoring Plan (SRMP) is to describe Caltrans’ mitigation approach for the 18.61 acres of permanent impacts to coastal wetlands that are regulated by the CCC that are anticipated as a result of the construction activities required for The Project (Caltrans, 2016b) through Spartina removal. Previous impacts were estimated to be 17.2 acres of coastal wetland impacts and this number was revised to 18.61 acres following subsequent design refinements. A letter addressed to the CCC on February 22, 2019 proposed to treat a total of 155 acres of high density Spartina (>60% cover) as mitigation for all impacts to coastal wetlands at a mitigation ratio of 9:1 based on the previous estimate of 17.2 acres. Current estimates of 18.61 acres of coastal wetland impacts at a 9:1 ratio equates to 167 acres of Spartina eradication.

Mitigation activities will be carried out through a service contract and an endowment executed by Caltrans to an implementing entity. The implementing entity would perform the initial treatment work for the first five years using mechanical methods (i.e. brush cutters, Marsh Master, etc.) and perform the monitoring. The implementing entity would also manage the contract and the endowment to treat any new populations of Spartina as it invades from other areas of the Bay. For the first five years of treatment, the work and monitoring will be overseen

and quality control will be conducted by Caltrans Mitigation Specialists and Caltrans project Biologists.

At the time that the contract is executed, the funding necessary for the first five years of treatment would be made available immediately to the implementing entity. A separate fund for a non-wasting endowment would also be provided for maintenance after the first five years of treatment.

On April 4, 2019 Caltrans staff met with members of the Humboldt County Spartina Working Group which included staff from RCAA, USFWS, the Wiyot Tribe and the California Coastal Conservancy. Sites around Humboldt Bay with Spartina were assessed to determine where the control effort should occur. Several factors were discussed such as: site access logistics; strategic locations based on seed dispersal, ecological continuity, and containment; Spartina density; land ownership; and topography.

Based on that discussion, Caltrans identified following two alternative spatial strategies to meet the Project's mitigation requirement. Caltrans will work with Coastal Commission staff and local partners to refine information regarding these strategies and identify one for implementation.*

- 1. Remove Spartina from Indian Island (Appendix A, Figure A-2).** Under this alternative, Caltrans would remove 191 acres of untreated Spartina (31 acres on Tuluwat [north of SR 255] and 160 acres on Indian Island [south of SR 255]). The Wiyot Tribe treated 20 of the previous 51 acres of Spartina cover on Tuluwat Island in 2014 under a grant but quickly ran out of funding before they were able to treat more (Appendix C). The Wiyot Tribe is currently in the process of acquiring approximately 160 acres of salt marsh that has varying densities of Spartina infestations as part of the acquisition of the remainder of Indian Island on the south side of SR 255. It is estimated that there are 60 acres of Spartina occurring at >60% cover and 100 acres untreated at <60% cover (Appendix A, Figures A-1 – A-2). Caltrans would also fund the previously treated 20 acres on Tuluwat Island as part of the endowment to protect the entire Island from new infestations of Spartina. Therefore, removal and maintenance of all Spartina from Indian Island would eliminate a major Spartina seed source from the bay and create continuity between treated and untreated areas of Spartina on the Island.

- 2. Remove Spartina at the following sites (Appendix A, Figures A-3 – A-4):** Under this alternative, Caltrans would remove 169 acres of untreated Spartina at various sites in Humboldt Bay. These include:
- a. 71 acres at Eureka Slough and 16 acres at Jacoby Creek.** These are areas with untreated Spartina that are adjacent to the Project and to sites where Spartina control is already in maintenance. Completing Spartina control in these areas have high ecological value due to the continuity of the sites to keep seed from falling and floating to maintenance level sites as well as a high value to the public as an interpretive opportunity along the new Humboldt Bay trails.
 - b. 51 acres at South Humboldt Bay.** Although Spartina occurs at varying densities across many localized patches, eliminating all Spartina in south Humboldt Bay is considered achievable and of high ecological value for the continuity of removal; the isolation from north Humboldt Bay populations reduces the threat of recolonization by seed.
 - c. 31 acres at the Tuluwat Island.** This would complete control on the north side of SR 255 as described above (Implementation 1).

*As detailed in a CCC memorandum dated December 21, 2018 in response to a Caltrans memorandum dated 10/16/2018, there may be circumstances that would warrant granting of credits for the removal of low-cover infestations. The example given mentioned the Mad River Slough area which has a relatively high amount of saltmarsh and a relatively low level of infestation compared to other areas in the region. As such, Caltrans biologists and regional partners propose to mitigate, in agreement with CCC, those areas that have lower than 60% cover when found to have a high priority for clearing based on Site Prioritization efforts detailed in Table 4-2 of the Humboldt Bay Regional *Spartina* Eradication Plan (2012). Further, the proposed mitigation ratio of 9:1 exceeds the 7.69:1 ratio originally proposed for the 1-25% Spartina cover class in the CCC memorandum dated November 29, 2018 in response to the Project's CDP application number 1-18-1078.

Table 1. Updated estimated net impacts for all projects associated with the Eureka-Arcata Corridor Improvement Project.

Project Component	Wetland Type / Cowardin Code	CWA Section 404 permanent/temporary wetland impacts (acres)	CCA permanent/temporary wetland impacts (acres) ¹	Project Implementation schedule
PROJECT 1: Eureka/Arcata Corridor Project				
<i>Jacoby Creek Bridge Replacement (01-0C930)</i>	Palustrine Emergent Persistent / PEM1	0.28 / 0.42	0.29 / 0.42	2019-2024
<i>Jacoby Creek Bridge Replacement (01-0C930)</i>	Estuarine Intertidal Emergent/E2EM	0.10 / 0.00	0.10 / 0.00	2019-2021
<i>Guard Rails Median Barriers (01-0C970)</i>	Palustrine Emergent Persistent / PEM1	1.04 / 0.98	1.60 / 1.00	2019-2021
<i>Acceleration / Deceleration Lanes & Lighting (01-0F220)</i>	Palustrine Emergent Persistent / PEM1	0.84 / 1.14	0.96 / 1.20	2019-2022
<i>Interchange and Airport Road Improvements (01-36600)</i>	Palustrine Emergent Persistent / PEM1	6.22 / 1.54	7.30 / 1.58	2021-2026
Eureka/Arcata Corridor Impacts Subtotal		8.48 / 4.08	10.25 / 4.20	2019- 2026
PROJECT 2: Humboldt Bay Trail North²				
<i>Trail through estuarine habitats (0.48 at a 2:1 ratio)</i>	Estuarine Intertidal Emergent / E2EM	0.96 / 0.00	0.96	2017
<i>Trail through palustrine habitats (1.30 at a 1:1 ratio)</i>	Palustrine Emergent Persistent / PEM1	1.30 / 0.00	1.30	2017
Humboldt Bay Trail North Impact Subtotal		2.26 / 0.00	2.26	Complete
PROJECT 3: Humboldt Bay Trail South³				
<i>Trail through estuarine habitats</i>	Estuarine Intertidal Emergent Ditch / E2EMd	2.67	2.67	2019
<i>Trail through estuarine habitats</i>	Estuarine Intertidal Emergent / E2EM	0.52	0.52	2019
<i>Modification of estuarine shore and bottom</i>	Estuarine Intertidal Rocky Shore and Unconsolidated Bottom / E2RS2 and E2US	0.01	0.01	2019
<i>Trail through palustrine habitats</i>	Palustrine Emergent Persistent Open Water Ditch / POWd	1.91	1.91	2019
<i>Trail through palustrine habitats</i>	Palustrine Emergent Persistent / PEM1	0.37	0.47	2019
<i>Trail through palustrine habitats</i>	Palustrine Scrub-Shrub / PSS	0.49	0.52	2019
Humboldt Bay Trail South Impact Subtotal		5.97	6.10	Pending
Total Permanent Impacts		16.71	18.61	

¹ California Coastal Act (CCA) wetland total reflects Clean Water Act (CWA) Section 404 wetland acreages plus additional 1- and 2-parameter CCA wetlands.

² The actual impact to these wetland types is 1.78 acres. The acres listed in the table include multiplication of this area by the listed ratios which are based on previous regulatory approvals between the City of Arcata and regulatory agencies.

³ Includes proposed High-Tension Cable Barrier.

1.2 Anticipated Agency Permits and Environmental Review

The following agency permits and environmental documentation will be used or are anticipated for the Spartina Removal project:

- i) Existing Final Programmatic Environmental Impact Report (HBHD) prepared by H.T. Harvey & Associates and GHD (2013)
- ii) Existing California Coastal Commission (CCC) Permit No. 1-14-0249 – Programmatic Coastal Development Permit for Spartina Removal in the Humboldt Bay (approved by the CCC on June 12, 2015)
- iii) Potential approvals from the Regional Water Quality Control Board and the North Coast Unified Air Quality Management District
- iv) Potential need for a National Pollutant Discharge Elimination System (NPDES) Permit issued by the US Environmental Protection Agency (USEPA).

Chapter 2. Implementation

2.1 Implementation Plan

The mitigation activities that will be taken on by the implementing entity and overseen by Caltrans include but are not limited to:

- Working with landowners to gain written permission in the form of a Memorandum of Understanding for Caltrans and the implementing agency to access sites that would be ideal to treat Spartina. Landowners would likely be USFWS, the Wiyot Tribe, Cities of Arcata and Eureka, Bureau of Land Management (BLM) and/or HBHD. Private landowners may also be involved, particularly for work in south Humboldt Bay.
- Conduct preliminary site evaluations to measure and describe the size and density of Spartina infestation in the treatment areas chosen, and record vegetation composition, substrate characteristics, topography, tidal circulation and elevations, the presence of tidal channels on or adjacent to the site, site accessibility, the presence of sensitive resources, distances to the nearest aquaculture operation and residential areas, public access use in and around the area, and other factors relevant to the proposed treatment method.
- Prior to Spartina removal, conduct analyses and, as applicable, surveys for sensitive fish, birds, plants, and other sensitive species consistent with the relevant mitigation measures agreed upon in the Final Programmatic Environmental Impact Report (FPEIR) prepared for the Humboldt Bay Regional Spartina Eradication Plan project (dated March 21, 2013).
- Plans for Spartina removal would be consistent with the FPEIR for all of the following, as applicable: (a) the posting of educational signage, (b) noise monitoring, (c) bird nesting habitat protection, (d) rare plant protection, (e) eelgrass avoidance, (f) erosion and sediment control, (g) hazardous materials spill prevention and containment, (h) worker health and safety, (i) herbicide drift management developed consistent with the requirements of Special Condition 9 of CDP 1-14-0249, and (j) public access protection.
- Use mechanical treatment (i.e. Marsh Master, brush cutters etc.) to treat Spartina. In rare cases, chemical treatment may be required using imazapyr. At sites where ground

disturbance methods or imazapyr application are proposed for Spartina removal, provisions for conducting a preliminary assessment will be conducted for sediment contamination in and around treatment areas and access routes consistent with the relevant mitigation measures proposed in the FPEIR. In addition, an NPDES permit may be required from the USEPA.

- The implementing entity will obtain any necessary approvals from the Regional Water Quality Control Board, the North Coast Unified Air Quality Management District, and other agencies as applicable for the proposed site-specific treatment areas.
- In the event of an inadvertent discovery of artifacts or archaeological deposits, a plan consistent with the requirements of Special Condition 8 of CDP 1-14-0249 would be in place.

2.2 Implementation Schedule

Table 2: Schedule of Proposed Spartina Removal and Monitoring

Restoration Task	Year						
	Pre-Treatment	1	2	3	4	5	6+
Initial Treatment		X					
Successive Treatment			X	X	X	X	
Long-term Maintenance							X
Monitoring	X*	X	X	X	X	X	X**
Reporting		X	X	X	X	X	X

* Baseline

** Every other year

Table 3. Example of Site-specific Treatment Stages over a 5-yr Treatment Period*

Treatment Stage	Year 1	Year 2	Year 3	Year 4	Year 5
Primary	April-May (before seed set)				
Resprouts	Sep-March (when natives are dormant)				
Seedlings	March-Aug. (when seedlings flush and grow)				
Resprouts	March of Y1 to March of Y2				
Seed Suppression	July-August of Y1 and Y2 (in high threat stands if necessary)				
Natural Recolonization	No resource allocation needed other than monitoring to determine natural revegetation process soon after bare ground is exposed				
Revegetation Measures	If needed, plant during rainy season				
Maintenance Treatments			Treat volunteer <i>Spartina</i> plants as needed		

*Modified from Table 4-4 in the Humboldt Bay Regional *Spartina* Eradication Plan (2012)

Chapter 3. Success Criteria, Monitoring and Reporting

3.1 Performance and Success Criteria

The Spartina removal activities will be evaluated annually using the performance and success criteria described below. For this SRMP, a “performance criterion” is a measure that indicates whether the restoration goals are on a trajectory to being attained at a given point in time. The performance criteria will be used to guide site maintenance activities. A “success criterion” is a measure that indicates whether the restoration goals have been achieved at the end of the monitoring period. For this SRMP, the goal is to meet the success criteria by Year 5.

Beyond Year 5, further monitoring would be conducted by the implementing agency to inform additional clearing necessary to maintain a 5% or less cover of Spartina until regional eradication is achieved.

Cover by non-Spartina emergent vegetation will be recorded from each monitoring plot but the performance criteria of Spartina removal will not include specific vegetation cover targets for non-Spartina plants. This is because revegetation of native plants is expected to take longer in localized depressions with anoxic conditions or in areas with low native plant propagule availability because of wind, currents, and substrate. Data collected on species regeneration after Spartina removal treatments will be used to qualitatively compare with vegetation composition at nearby reference sites and to better inform regional Spartina eradication efforts.

Performance Criteria

Year 1: Spartina cover decreased by 50% in treatment areas.

Year 3: Spartina cover decreased by 75% in treatment areas.

Success Criteria

Year 5: Spartina cover is <5% in treatment areas.

Beyond Year 5: Spartina cover remains at <5% in treatment areas

3.2 Monitoring Methods and Schedule

Monitoring will be conducted to evaluate progress towards the project goal of restoring tidal marsh communities by eradicating *Spartina* and to document the natural restoration of native salt marsh species. The monitoring schedule is summarized in Table 4. While some plot-based monitoring will occur, monitoring will rely primarily on rapid assessment methods performed by qualified biologists. This will allow a greater contribution of available funds to be directed towards implementing treatment measures rather than extensive quantitative plot-based sampling, which is more labor intensive. Extensive quantitative data has been collected in association with research and method development by the Humboldt Bay National Wildlife Refuge (HBNWR).

Table 4: Schedule of proposed Monitoring*

Timeline	Monitoring Activity
Prior to treatment (Feb.-March)	Document baseline conditions: <i>Spartina</i> cover class, vegetation composition and relative cover; establish photopoints
Soon after primary treatment (Aug.-Sept.)	Describe early post-treatment conditions
6 months after treatment (Oct.-Jan.)	Inspect site to evaluate treatment success and determine the need for follow-up treatment (will vary depending on the method(s) selected for primary treatment)
1 st spring after treatment (Mar.-Aug. of Year 2)	Survey for <i>Spartina</i> seedlings and assess the need for treatment
Annually for 5 years	Inspect site to determine the need for follow-up treatments. Document <i>Spartina</i> cover class when native plants are dormant (Sep.-Mar.), and vegetation composition and relative cover of other plant species in spring or summer; photograph site at established points
5-year evaluation	Evaluate site to determine whether performance criteria have been met and if adaptive measures are warranted
Long-term monitoring	Surveys at sufficient intervals (to be determined based on monitoring results to date) to detect reinfestation early and allow rapid response

*Modified from Table 4-4 in the Humboldt Bay Regional *Spartina* Eradication Plan (2012)

Baseline monitoring: As part of the regional mapping effort, data were initially collected in 2010 in the proposed mitigation areas (Figures A-2 – A-4) and cover was updated during subsequent field visits by various personnel from 2011 to 2018. Data collected includes percent *Spartina* cover, average *Spartina* density per acre, average plant diameter and height, substrate, degree of freshwater influence, tidal inundation, and whether native plants were directly colonizing mudflats.

Effectiveness Monitoring: Cover class of native plant species and *Spartina* (1-25%, 26-60%, or 61-100%) will be recorded in the proposed mitigation areas in Feb.-March before treatment, and annually during maintenance periods for five years after project completion according to the schedule outlined in Table 4. Stratified sampling is proposed by establishing one transect in each of the three *Spartina* cover classes within each treatment area. Transect location will be determined within each *Spartina* removal area after first walking the site to develop an understanding of the heterogeneity of plant cover. Data will be collected from 0.5-m² quadrats located at regular intervals along each transect. Each transect start and end point will be recorded with a GIS receiver and resampled in each successive year.

A variance analysis will be prepared demonstrating adequate sampling has occurred within each *Spartina* removal area to capture the heterogeneity in cover. As result, the transect length and number of plots are anticipated to vary from 10 to 40. It is anticipated that paired sample Wilcoxon's signed-rank tests (for non-parametric data) will be used to evaluate the significance of reductions in *Spartina* cover from initial conditions and increases in native diversity and cover from initial conditions. In addition, photos taken at established (GIS) photopoints will provide a qualitative measure of restoration success.

Reference site: In year 5, vegetation composition in the restored project area will be compared with conditions in the restored salt marsh in HBNWR's Ma-le'l Dunes Unit, where *Spartina* removal was completed in 2008 and native marsh species have completely recolonized the site. The reference site shows the desired future condition of the project area but performance of the removed areas proposed here will not be judged by this site. The reference site is located in North Humboldt Bay on the Mad River Slough, relatively close to the project area. No other areas of native salt marsh of significant extent are found in Humboldt Bay.

Long-term monitoring: Sites will be surveyed every other year after annual eradication has been completed (Year 5) for early detection and rapid response to reinfestation by *Spartina*.

3.3 Reporting

The implementing entity will prepare annual monitoring reports for *Spartina* removal activities. To verify the report's findings, Caltrans would perform site visits of approximately 20% of the annual treatment areas for verification of plant cover estimates. Monitoring reports documenting *Spartina* removal activities, monitoring results, and field verification will be prepared and submitted to the CCC following each annual monitoring effort. The reports will evaluate whether the *Spartina* treatment areas have achieved the goals and the performance and success criteria set forth in the approved SRMP.

Each monitoring report will include the following information:

- A summary of the project location and description of Spartina removal activities in each treatment area.
- Maps of the locations of and treatment areas, annotated to show treatment methods.
- A summary of the monitoring methods.
- A list of the names, titles, and companies of the people who prepared the content of the annual report or conducted the monitoring activities that year.
- A reference of the resource agency permits and any subsequent letters of modification, as an appendix.
- A summary and statistical analysis of the monitoring results, including an evaluation of site conditions in the context of the performance standards and success criteria.
- A discussion of the monitoring results and field verification.
- Management recommendations, including discussion of any areas with inadequate performance and recommendations for remedial action.
- A discussion of any modifications made to the monitoring methods.
- A discussion of cumulative maintenance efforts.
- Map showing locations of photograph points, and photographs taken from the established points, in an appendix.

3.4 Remedial Actions and Adaptive Management

If the monitoring results indicate that the performance criteria are not being met, the Mitigation Specialist and project Biologist will assess the potential reasons for the criteria not being met and will work with the implementing entity to develop adaptive management strategies. If the success criteria are not met in Year 5, Caltrans will coordinate with CCC to discuss the removal method effectiveness issues and to develop an Adaptive Mitigation Plan to resolve the issues. All remedial or adaptive management measures will be documented in the monitoring reports.

Chapter 4. References

- Baldwin, B. G., D. H. Goldman, D. J. Keil, R. Patterson, T. J. Rosatti, D. H. Wilken (eds). 2012. *The Jepson Manual: Vascular Plants of California, Second Edition*. Berkeley, CA: University of California Press, Berkeley.
- California Coastal Commission (CCC). 2015. Permit No. 1-14-0249 – Programmatic Coastal Development Permit for Spartina Removal in the Humboldt Bay (approved by the CCC on June 12, 2015).
- California Coastal Commission (CCC). 2018a. *Comments on 10/16/2018 Memorandum regarding Humboldt Bay Area Mitigation strategy for the Eureka-Arcata Corridor*. December 21, 2018.
- California Coastal Commission (CCC). 2018b. *Coastal Development Permit (CDP) Application Number 1-18-1078 (Eureka-Arcata 101 Corridor Improvement Project), Highway 101 between Eureka and Arcata, Humboldt Count, CA*. November 29, 2018.
- California Coastal Commission (CCC). 2019a. *Mitigation Strategy for Eureka-Arcata Corridor, Humboldt Bay Trail North and Humboldt Bay Trail South Projects*. February 22, 2019.
- California Coastal Commission (CCC). 2019b. *Caltrans District 1 Memorandum of 2/26/2019 Regarding Proposed Mitigation Strategy for the Eureka-Arcata Corridor and Bay Trail Projects*. March 11, 2019.
- California Department of Transportation (Caltrans). 2016a. *Humboldt Bay Area Mitigation Concept Design Report*. January 2016.
- California Department of Transportation (Caltrans). 2016b. *Revised Natural Environment Study (NES) for the Eureka-Arcata Route 101 Corridor Improvement Project*. Revised April 2016.
- California Department of Transportation (Caltrans). 2016c. *Eureka-Arcata Route 101 Corridor Improvement Project Final Environmental Impact Report/Statement*. December 2016.
- California Department of Transportation (Caltrans). 2018. *Caltrans Eureka-Arcata Corridor Project Highway Planting and Erosion Control Plan*. August 2018.

- California Department of Transportation (Caltrans). 2018. *Caltrans Eureka-Arcata Corridor Project On-Site Mitigation and Monitoring Plan*. January 2019.
- California Department of Transportation (Caltrans). 2019. *Caltrans District 1 Memorandum of 2/26/2019 Regarding Proposed Mitigation Strategy for the Eureka-Arcata Corridor and Bay Trail Projects*. March 11, 2019.
- Cowardin, L. M., 1979. *Classification of Wetlands and Deepwater Habitats in the United States*. U. S. Department of the Interior, Fish and Wildlife Service.
- H.T. Harvey. 2012. *Humboldt Bay Regional Spartina Eradication Plan*. Draft. November 14, 2012.
- H.T. Harvey and GHD. 2013. *Final Programmatic Environmental Impact Report for the Humboldt Bay Regional Spartina Eradication Plan*. March 21, 2013.
- Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List: 2016 wetland ratings*. Phytoneuron 2016-30: 1–17.
- Sawyer, J. O., T. Keeler-Wolf, J. M. Evens. 2009. *Manual of California Vegetation. Second Edition*. California Plant Native Society Press, Sacramento, CA.
- Thunhorst, G.A., 1993. *Wetland Planting Guide for the Northeastern United States-Plants for Wetland Creation, Restoration, and Enhancement*. Environmental Concern, St. Michaels, MD.

Appendix A: Project Maps



Figure A-1: Map of the Humboldt Bay showing density of *Spartina* as of 2014 (Map provided by the Wiyot Tribe on April 5, 2019).

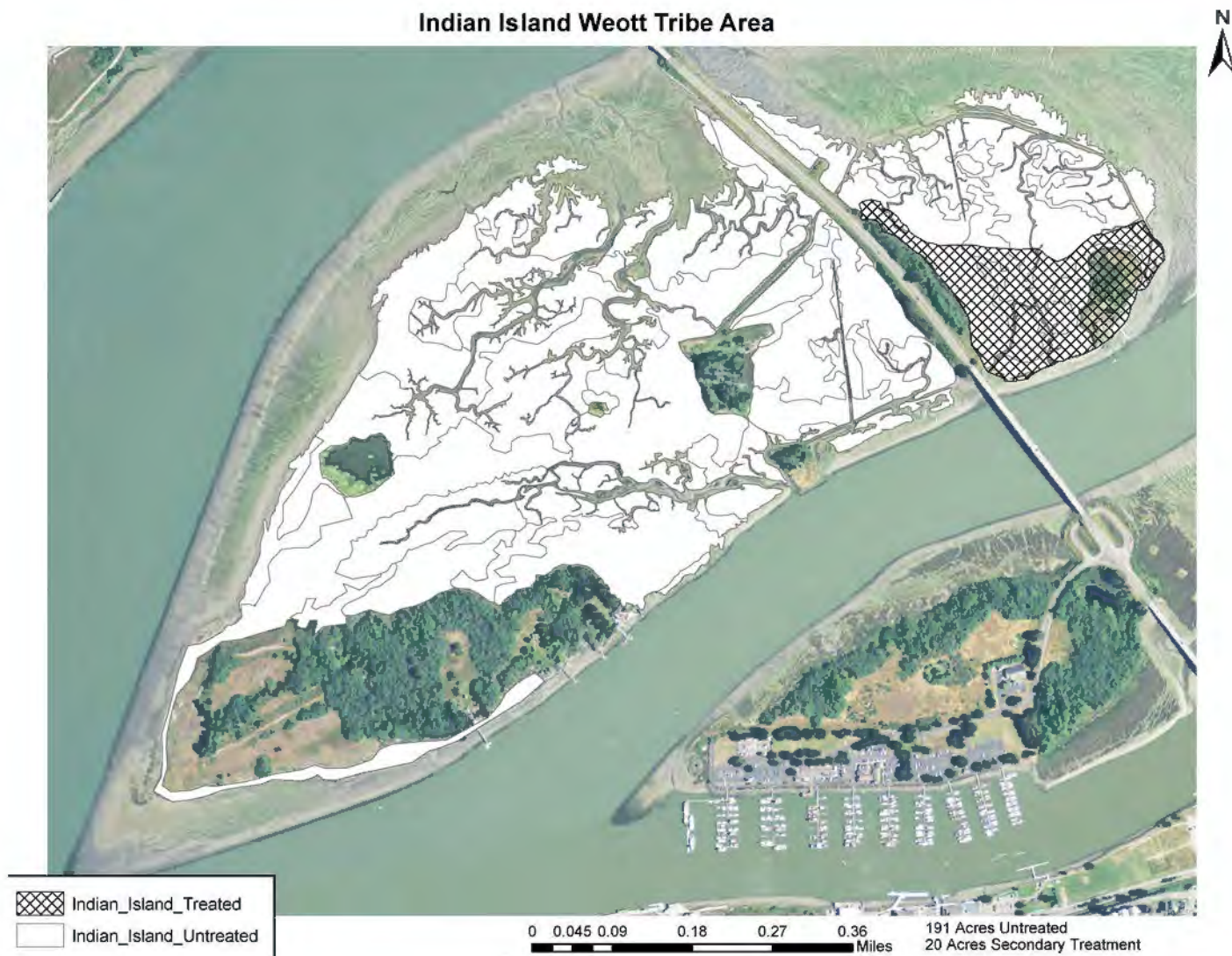


Figure A-2: Map of Indian Island showing Spartina treatment areas (Map provided by RCAA on April 4, 2019).

Eureka Slough Unit USFWS



Figure A-3: Map of the Eureka Slough Unit of the Humboldt Bay National Wildlife Refuge showing Spartina treatment areas (Map provided by the RCAA on April 4, 2019).

Jacoby Creek Unit Arcata



Figure A-4: Map of remaining untreated Spartina at Jacoby Creek owned by the City of Arcata, adjacent to the Jacoby Creek Unit of the Humboldt Bay National Wildlife Refuge. All surrounding areas have already been treated (Map provided by the RCAA on April 4, 2019).

Density of *Spartina* in South Bay buffer area.

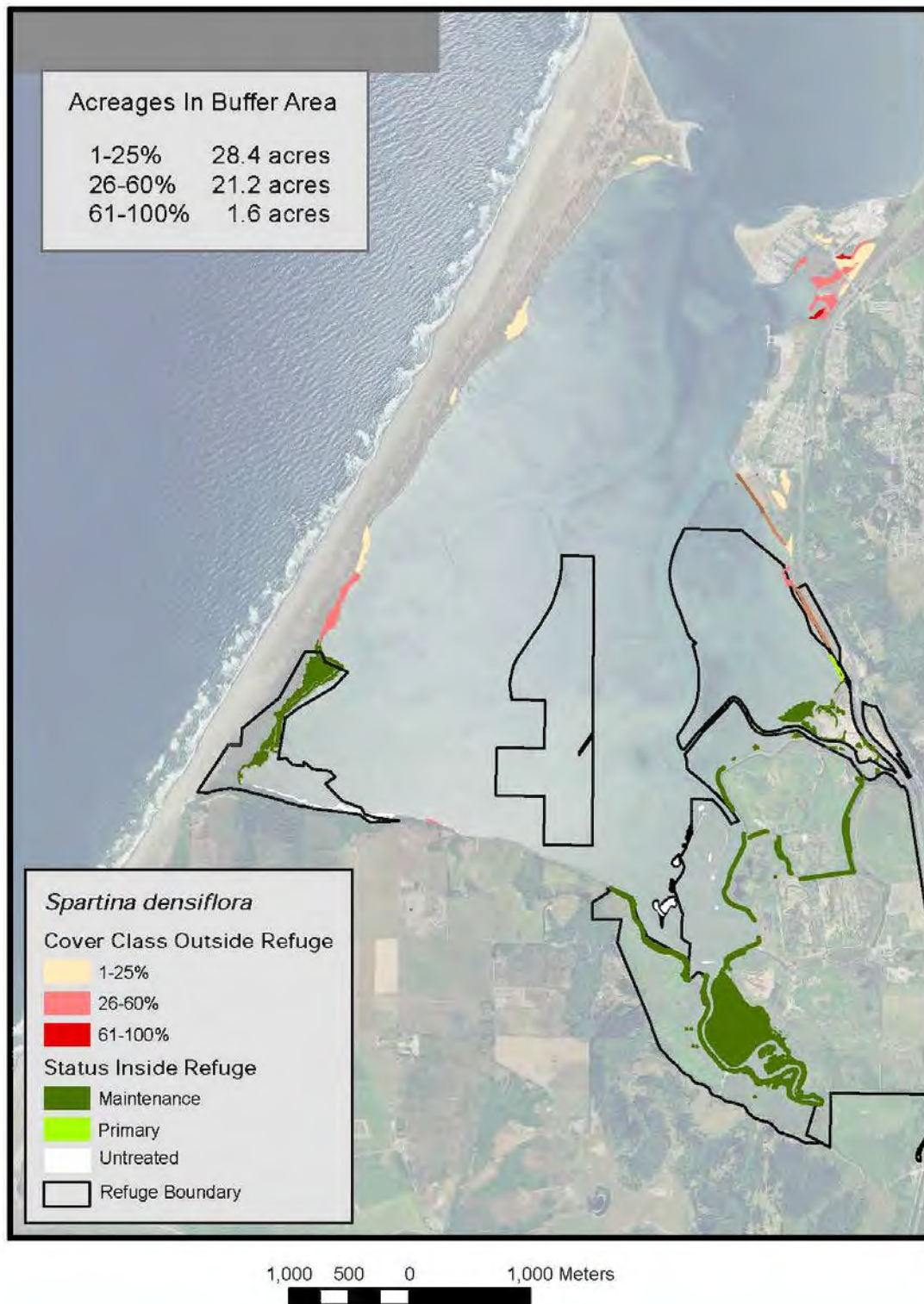


Figure A-5: Map of the *Spartina* treatment at South Bay with ownership of the Humboldt Bay National Wildlife Refuge (Map provided by the USFWS on April 5, 2019)

Appendix B: Pre-Treatment Photos



Photo B-1. View of the Eureka Slough Unit of the Humboldt Bay National Wildlife Refuge from the railroad near southeast side of the property of the site looking north at the untreated *Spartina* areas. Date of Photo: February 15, 2019.



Photo B-2. View of the Eureka Slough Unit of the Humboldt Bay National Wildlife Refuge small triangle of lower cover class of *Spartina* near the Eureka Slough Bridges on the southeast end of the site looking east. Date of Photo: February 15, 2019.



Photo B-3. View of the Eureka Slough Unit of the Humboldt Bay National Wildlife Refuge small triangle of lower cover class of *Spartina* toward untreated areas near the Eureka Slough Bridges on the southeast end of the site looking southwest. Date of Photo: February 15, 2019.



Photo B-4. View from the Eureka Slough Unit of the Humboldt Bay National Wildlife Refuge middle of the site looking toward untreated *Spartina* areas looking northeast from the railroad. Date of Photo: February 15, 2019.

Appendix C: Letters of Support from Partner Agencies

COMMISSIONERS

1st Division

Larry Doss

2nd Division

Greg Dale

3rd Division

Stephen Kullmann

4th Division

Richard Marks

5th Division

Patrick Higgins

Humboldt Bay
Harbor, Recreation and Conservation District
(707) 443-0801
P.O. Box 1030
Eureka, California 95502-1030



April 5, 2019

To Whom it may Concern:

Humboldt Bay Harbor Recreation and Conservation District (HBHRCD) is interested in being the entity tasked with managing a contract and endowment funded by Caltrans to remove 155 acres of *Spartina densiflora* from Humboldt Bay.

HBHRDC will subcontract with Redwood Community Action Agency (RCAA) to create agreements with land owners of properties that have dense Spartina and conduct Spartina control using primarily mechanical methods with use of a marsh master and/or brush cutters. Some cases may require mechanical treatment.

RCAA would follow the requirements of the Final Programmatic Environmental Impact Report (FPEIR); follow all conditions of the CDP 1-14-0249; and follow provisions for obtaining any necessary approvals from agencies as applicable for the proposed site-specific treatment areas.

As part of the implementation of Spartina removal, RCAA would monitor and report treatment areas based on success criteria as described in the Draft Spartina Removal and Monitoring plan (SRMP) for the first five years of Spartina treatment. RCAA would also manage the Spartina removal, in perpetuity, or until Spartina in Humboldt Bay is eradicated, funded by the non-wasting endowment provided by Caltrans.

Sincerely,

A handwritten signature in blue ink, appearing to read "Larry Oetker", with a stylized flourish at the end.

Larry Oetker
Executive Director



Redwood Community Action Agency

Letter of Interest in Partnering with Caltrans for TREATMENT OF SPARTINA IN HUMBOLDT BAY

Grant/Agreement Number: To Be Determined
Cooperator Name: **REDWOOD COMMUNITY ACTION AGENCY**
Performance Start Date: To Be Determined
Performance End Date: To Be Determined
Report Source: N/A

To Whom it May Concern:

Redwood Community Action Agency (RCAA) is interested in being the entity tasked with managing the data collection, treatment, monitoring and overall management of Spartina removal activities funded by Caltrans. These services include:

- Initiate treatment of 155 acres of dense Spartina in Humboldt Bay using primarily mechanical methods with use of a marsh master and/or brush cutters. Some cases may require chemical treatment.
- Do the appropriate baseline data collection for each site; follow all requirements of the Final Programmatic Environmental Impact Report (FPEIR) prepared for the Humboldt Bay Regional Spartina Eradication Plan; follow all conditions of the CDP 1-14-0249; and follow provisions for obtaining any necessary approvals from agencies as applicable for the proposed site-specific treatment areas.
- Monitor and report on treatment success annually based on success criteria as described in the Draft Spartina Removal and Monitoring Plan (SRMP) for the first five years of Spartina treatment.
- Manage the maintenance removal, in perpetuity, or until Spartina in Humboldt Bay is eradicated, funded by the non-wasting endowment.

Redwood Community Action Agency (RCAA) has taken a leadership role in the planning and implementation of Spartina eradication activities in Humboldt County for over a decade. RCAA was involved in the preparation of the Spartina Regional Eradication Plan in 2008 and the Programmatic EIR in 2011. They have successfully managed multiple grants and coordinated with local agencies/landowners to treat Spartina in the region for over seven years. RCAA has a dedicated Restoration Field Crew, a specialized aquatic tractor used to efficiently treat Spartina called a Marsh Master, trucks, trailers, and tools. Moreover, RCAA has a business and contractor's license, fiscal staff, office manager, and other staff to maintain financial accounts, invoice, and other necessary accounting. The Project Manager at RCAA is also the chair of the Humboldt County Spartina Working Group and the Humboldt Weed Management Area.

While Caltrans is generally required to seek out multiple bids from the community for Spartina treatment, there are no other agencies or businesses in the area with an appropriate level of specialized experience eradicating Spartina from the salt marshes of Humboldt County to request bids from.

Authorized signature: _____

Val Martinez, Executive Director

Date: _____

4/3/19



April 5, 2019

California Department of Transportation
1665 Union Street
Eureka, CA 95501
Attention: Matt Brady, District 1 Director

He'bla lo (Greetings),

The Wiyot Tribe and Wiyot Natural Resources Department (WNRD) would like to express our enthusiastic interest in working with the California Department of Transportation (Caltrans) District 1 to help with their mitigation needs and to facilitate the eradication of invasive *Spartina densiflora* (*Spartina*) throughout Humboldt Bay (the *Wigi*) area saltmarshes, whose habitat has declined by 90% around the Bay. The WNRD has been part of a regional effort and broad partnership with various agencies and groups, including the CA State Coastal Conservancy (SCC), the US Fish and Wildlife Service Humboldt Bay National Wildlife Refuge (HBNWR), the Redwood Coast Action Agency (RCAA), and Humboldt Bay Harbor Recreation and Conservation District (Harbor District), which has been developed to address *Spartina* eradication throughout Humboldt Bay, and has met with considerable success in developing protocols, methodology and in treating large portions of *Spartina*-infested areas. The Tribe has resolved to "protect and preserve traditionally important plant and animal species, and their communities, and to restore the ecological balance within its ancestral territory", which includes the entirety of Humboldt Bay, and a commitment to eradicate *Spartina* from its saltmarshes.

Tuluwat (Indian Island), an ancient Wiyot shell midden, which lies in the middle of Humboldt Bay, is the Tribe's center of the universe and is the site of the horrible *Tuluwat* massacre of 1860, where over 200 Wiyots were murdered in an act of genocide. Because of *Tuluwat*'s central location within the Bay and its large saltmarshes, it has been identified as an important seed vector, contributing to *Spartina* dispersal throughout the Bay. The WNRD was successful in acquiring a portion of the necessary grant funding to eradicate *Spartina* on *Tuluwat*, through the Bureau of Indian Affairs (BIA) in 2014, however only 20 of 51 infested acres were able to be treated. Additional attempts to acquire funding have been unsuccessful in the recent political climate, and left *Tuluwat*'s *Spartina* treatment incomplete. The Tribe is eagerly looking for assistance with its saltmarsh restoration needs and to maintain the initial investment of the partial *Spartina* treatment on *Tuluwat*, making this opportunity with Caltrans a great win-win for both entities.

Presently the Tribe is in the process of acquiring around ~160 additional acres of saltmarsh on the southern portion of Indian Island (*Etpidalh*) and it is estimated that at least 50-60 acres of this area has high density (>60%) cover of *Spartina* in need of eradication. This future acquisition furthers the Tribe's desires and need to restore its native saltmarshes and the ecological integrity of Humboldt Bay. The monumental task at hand could be greatly aided through the use of these invaded saltmarshes as Caltrans mitigation sites, and the selection of these areas for restoration would benefit and highlight the cultural significance and resource stewardship goals of the Wiyot Tribe. We endorse Caltrans'

willingness and desire to work the Tribe and other groups to benefit the saltmarshes of Humboldt Bay and the biodiversity they support. Please keep us informed regarding the development of the use of *Spartina* removal as an approved mitigation activity around Humboldt Bay, and know that the Tribe is interested and eager to be involved in the allocation our invaded marshes as mitigation sites for *Spartina* removal.

Rra'dutas (with kindness)



Adam N. Canter
Tribal Botanist, GIS, and Cultural Assistant
Table Bluff Reservation
1000 Wiyot Dr.
Loleta, CA 95551
adam@wiyot.us
707-733-5055 x 122



Wiyot Tribe

Resolution of the WIYOT TRIBAL COUNCIL

RESOLUTION NO: 18-01

DATE APPROVED: January 8, 2018

SUBJECT: A Resolution authorizing the submission of a proposal for funding from the Bureau of Indian Affairs Noxious Weed Program to complete the primary removal of invasive (*Spartina densiflora*) on Tuluwat (Indian Island).

WHEREAS: the Wiyot Tribe (the "Tribe") is a federally recognized Indian Tribe eligible for all rights and privileges afforded to recognized Tribes; and

WHEREAS: the Wiyot Tribal Council is the governing body of the Wiyot Tribe under the authority of the Constitution of the Tribe; and

WHEREAS: the Tribe seeks to protect and preserve traditionally important plant and animal species, and their communities, and restore the ecological balance within its ancestral territory; and

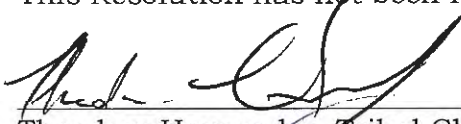
WHEREAS: the Natural Resources of Wiyot lands are essential to the health, welfare, and sovereignty of the Tribe, including its salt marsh habitat resources on Tuluwat (Indian Island).

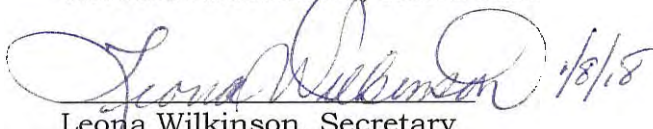
NOW, THEREFORE, BE IT RESOLVED that the Tribal Council hereby approves the submission of a proposal to the Bureau of Indian Affairs Noxious Weed Program for the continued removal of non-native invasive *Spartina* from its salt marshes on Tuluwat, of which

BE IT FURTHER RESOLVED THAT this shall remain in effect until rescinded by action of the Tribal Council.

CERTIFICATION

I, the undersigned, as the Chairperson of the Wiyot Tribe do hereby certify that Resolution No. 18-01 was approved by the Wiyot Tribe on the 8th day of January 2018. This Resolution was approved by a vote of 5 Hih 0 Kiyowl, with 0 abstaining. This Resolution has not been rescinded or amended in any way.


Theodore Hernandez, Tribal Chair

 1/8/18
Leona Wilkinson, Secretary



United States Department of the Interior
FISH AND WILDLIFE SERVICE
Humboldt Bay National Wildlife Refuge Complex
1020 Ranch Road
Loleta, California 95551



Matt Brady
District Director
Caltrans, District 1
1656 Union Street
Eureka, California 95501

Re: Support for Spartina Management as Mitigation in Humboldt Bay

Dear Mr. Brady:

I am writing to express our support for the management of *Spartina densiflora* (spartina) in Humboldt Bay as part of the mitigation package for various Caltrans projects. Spartina is a state-listed noxious weed with removal prioritized on a local, regional and west coast scale. Spartina infestation impacts a multitude of ecosystem services including Regulating (coastal resiliency from storms and floods), Provisioning (fisheries and aquaculture) and Supporting (nutrient cycling, food chain dynamics).

Humboldt Bay National Wildlife Refuge has been significantly involved in spartina eradication and salt marsh restoration and research in Humboldt Bay for some time. We helped develop the methodology currently used to treat spartina and have documented high success rate in restored salt marsh habitat with minimal retreatment.

Salt marsh is a rare and valuable habitat type and has suffered from severe degradation, including diking and filling resulting in the loss of approximately 90% of Humboldt Bay's historic salt marshes. Restoration of salt marshes through spartina removal is critical to maintaining the integrity of natural buffers for the surrounding cities and communities, sustaining plant and wildlife populations, increasing net productivity, blue carbon sequestration, and aiding in the recovery federally-listed species. We encourage and support pursuing spartina management as part of your mitigation approach.

Sincerely,

Kurt Roblek
Acting Refuge Manager



April 4, 2019

Matthew Brady, District 1 Director
California Department of Transportation, District 1
1656 Union Street
Eureka, CA 95501

Dear Mr. Brady,

I am writing you to express support for CalTrans District 1's efforts to provide invasive *Spartina densiflora* removal as mitigation for impacts from projects around Humboldt Bay. As you are aware, invasive *Spartina* has had significant impacts to the ecological resources of tidal marshes in Humboldt Bay, including the loss of native floral and faunal diversity as well reductions to marshes' primary productivity. In addition to these direct impacts, invasive *Spartina*'s dominance in Humboldt Bay has also slowed efforts at marsh restoration because of fears that restored marshes would become dominated by this invasive species, compromising their habitat value. *Spartina* in Humboldt Bay and adjacent estuaries also threatens to colonize other West Coast estuaries via ocean dispersal of its seeds.

For over 13 years, the State Coastal Conservancy has worked with local partners and regional, statewide, and federal funders to tackle the issue of invasive *Spartina*. To-date, the Coastal Conservancy has funded over \$760,000 on 140 acres of removal efforts throughout the Bay. In addition, SCC has worked with partners to help secure an additional \$1.4 million for an additional 370 acres of *Spartina* removal. SCC has also served as the lead CEQA agency and provided assistance with programmatic permitting. However, to-date, need has far exceeded available public funds. Opportunities to strategically treat more extensive acreages and ensure management of treated sites into the long-term to prevent resprouts has long been a vision of the Coastal Conservancy.

While in and of itself, *Spartina densiflora* removal may seem a simple action within the Bay system, it provides extensive gains to the Bay's tidal marsh functioning and overall ecological health, both in the near term and under climate change. Our projects have witnessed high success rates when sites are monitored and diligently treated for *Spartina* resprouts. I enthusiastically support CalTrans's use of *Spartina densiflora* removal as mitigation for road corridor projects and the Coastal Commission's support of this new mitigation approach. The Coastal Conservancy looks forward to sustained engagement with this effort and ensuring public investment to-date on *Spartina* eradication in Humboldt Bay is successfully built upon with the removal efforts to come under the CalTrans mitigation efforts.

Sincerely,


Sam Schuchat
Executive Officer, California State Coastal Conservancy

1515 Clay Street, 10th Floor
Oakland, California 94612-1401
510-286-1015 Fax: 510-286-0470



CITY OF ARCATA NATURE AREA ENTRANCE PERMIT

(Please print)

This Permit entitles the permittee to enter and conduct said project in a City-owned nature area as described below. (Please allow 7 to 10 days to process). For a student research project, See "PROPOSAL GUIDELINES" on the back of this form.

Designated Nature Area:	Jacoby Creek Estuary, McDaniel + Butcher Sloughs South of Street		
Project Description (Be Specific) Spartina removal at Jacoby Creek			
Person/Org'n. Performing Work	Redwood Community Action Agency		
Name	Address	City	
RCAA Susannah Manning	904 G. Street	Eureka	
Phone	Email	Zip Code	
(707)269-2058	susannah@rca.org	95501	
If Student, Professor	Supervising Work		
Name	Address	City	
Phone	Email	Zip Code	
Hours of Work	To		
Effective Dates	upon approval	To	on going, to be renewed annually

Applicant agrees to (initial next to each requirement):

	Initial		Initial
1. Disallow unauthorized persons into the project area.	SM	2. Leave the area in a neat & clean condition.	SM
3. Close and re-lock gates.	SM	4. Comply with all site rules and regulations.	SM
5. Promptly return key(s).	SM	6. No dogs are allowed unless permitted.	SM
7. Furnish City with a copy of all results from said project. Project to be completed by (insert date) _____. Results shall be submitted by no later than (insert date) _____. Failure to do so may result in the City advising the responsible person that not all of the Conditions of the Permit have been met.			

TO BE COMPLETED BY CITY STAFF

Approved By:	M Andue	Date:	4-5-19
Special Conditions	Need copy of grant & Insurance cert.		

Key Issued:	Num.	Date	Signature (Sign Below)	Telephone	Date Key Returned

The undersigned certifies that the application information is correct, agrees to provide related insurance coverage (if required), has read and agrees to obey the rules and regulations and assumes full responsibility for any damages sustained to the building, grounds or equipment and for acts and conduct of all persons admitted to the premises.

The undersigned further agrees to indemnify and to hold the City of Arcata, its employees, agents, volunteers and any other person, firm or corporation charged or chargeable with responsibility or liability, from any and all claims, demands, damages, costs, expenses, loss of service, action and causes of action by any person or persons, for injuries to persons or loss or damages to property occasions by or in connection with the use of facilities, equipment and premises caused by any source whatsoever.

Print Name/Title of Responsible Individual	Signature	Date
Susannah Manning Susannah Manning	Susannah Manning	4/5/19

Attachment

Eureka-Arcata Route 101 Corridor Improvement Project
Humboldt Bay Harbor District Application

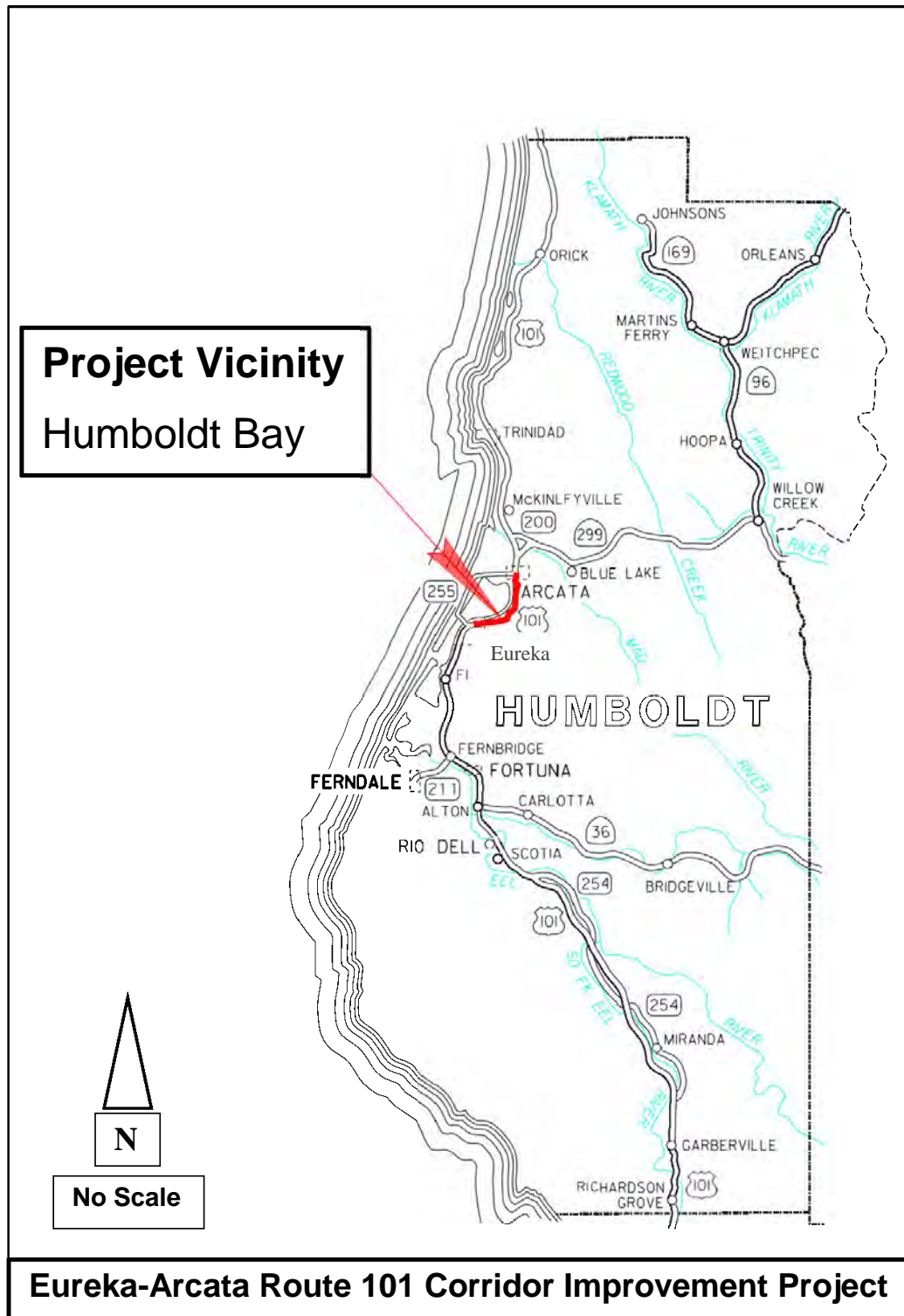


Figure 1. Project Vicinity Map



Figure 2. Overall Project Location Map

Project Information

The Eureka-Arcata Route 101 Corridor Improvement Project consists of five phased construction projects and the associated mitigation project—Humboldt Bay Area Mitigation (HBAM). The following project descriptions for the two projects under the Harbor District’s jurisdiction are given below.

TIDE GATE REPLACEMENT

PROJECT DESCRIPTION

Six tide gates at four different locations will be replaced (Table 1). The tide gates within the ESL were installed in 1954, are aging and in poor condition, and require emergency repair at an increasing rate. Included are the tide gate south of Mid-City Motor World that connects to a roadside ditch at California Redwood Company; a tide gate at Brainard Slough north of Bracut; a tide gate at Old Jacoby Creek; and a triple tide gate at Gannon Slough, north of the NB Gannon Slough Bridge. Constellation consolation

Currently, all the tide gates are the standard top-hinged flap gate design, either round or rectangular. At the locations where federally listed fish such as salmonids and tidewater goby may be present, a fish-friendly design will be installed to facilitate fish passage. The old Jacoby Creek, Brainard, and Gannon Sloughs are locations where both tidewater gobies and salmonids may be present and will receive one or two fish-friendly tide gates. If there are fish present at a location with more than one tide gate, only one fish-friendly gate will be installed. Once installed, the fish-friendly tide gates will be adjusted to maintain existing muted tidal flow conditions to perpetuate current habitat conditions present inland of the tide gates, such as minimum and maximum water level, salinity, and water level fluctuations.

There are a number of tide gate configurations available to provide for fish passage; tide gate design selection was determined with technical assistance requested from the National Marine Fisheries Service (NMFS), U.S. Fish & Wildlife Service (USFWS), and California Department of Fish and Wildlife (CDFW).

Operation of the tide gates, and subsequent habitat enhancement, will likely be linked to further restoration activities unrelated to the action. Caltrans will work with regulatory agencies and adjacent landowners to ensure the development and implementation of adaptive management strategies for operation of the newly installed fish-friendly tide gates to balance the habitat and fish passage needs of listed salmonids and tidewater goby with suitable land uses.

The California Redwood Company ditch has no upstream fish habitat, so this replacement gate will not have a fish-friendly design. This tide gate will be replaced in-kind with an automatic drainage gate.

All replacement gates will make use of existing headwall structures and will be installed at the same level as the existing gates. The tide gate work will generally consist of removing the existing tide gates and likely re-drilling and installing new stainless steel anchors epoxied into existing concrete. Minor structural modifications to the headwalls, including concrete placement, may be needed to mount the new gates. The new tide gates will generally be placed by cranes then bolted into place. Tide gate replacement will coincide with low flow and low tide periods during the summer and/or winter months to minimize turbidity, exposure to fish (Caltrans NMFS 2016 BA, Appendix VII), and to ease construction.

Even at low tide there may be a small amount of run-off flow, and one or two workers may have to enter the channel to position and install the new gate. Therefore, some minor turbidity is anticipated. If water is present in the channel during tide gate replacement, temporary exclusion devices will be placed in the channel to keep water out of the construction zone. The exclusion devices are anticipated to be in place no longer than 8 hours.

Table 1. Tide Gate Replacements

No.	Location	Fish Species	Existing Gate(s)	Replacement Gate(s)
1	California Redwood Company ditch	No fish present	1 – 48" x 36" rectangular	1- standard or tideflex
2	Brainard Slough	Tidewater goby & salmonids	1 – 24" round	1- fish-friendly design
3	Old Jacoby Creek	Possibly tidewater goby	1 – 60" square	1-fish-friendly design
4	Gannon Slough	Tidewater goby & salmonids	3 – 60" x 72" rectangular	2- fish-friendly design 1- standard or tideflex

JACOBY CREEK BRIDGE REPLACEMENT

PROJECT DESCRIPTION

Bridge Rail Upgrades at Jacoby Creek and Gannon Slough

The existing northbound (NB) Jacoby Creek and NB Gannon Slough bridges were originally constructed in 1955 and are approximately 74.5 feet long and 76.5 feet long, respectively, and 39 feet wide. The bridges consist of reinforced concrete slabs resting on reinforced concrete pile caps on concrete piles. There are four bents in total for the NB Jacoby Creek Bridge and five for the NB Gannon Slough Bridge.

The new bridge rails will be cantilevered from the existing bridges, requiring no piers within the watercourses. A containment system will be placed along the edges of the bridges to keep foreign materials from entering the watercourses during construction. Construction of the bridge rails will be performed from the roadway; however, workers may need to walk on the bed, bank or channel of the watercourses to install and remove the debris containment system.

Both bridges will be widened by approximately 24 inches (12 inches on each side of the bridges) to accommodate the new bridge rails; however, the lane widths of 11 feet and 12 feet, the right shoulder (10 feet), and the left shoulder (4 feet) will match the existing widths. Steel tubular railing will meet standard height requirements for bicycle and pedestrian use. The wider bridge configurations will shade approximately an additional 75 square feet of Gannon Slough and additional 100 square feet of Jacoby Creek.

Replacement of the Southbound Jacoby Creek Bridge

The existing southbound (SB) Jacoby Creek Bridge on U.S. Highway 101 (US 101) at post mile (PM) 84.6 was originally constructed in 1920 for a two lane conventional highway. The original bridge was approximately 73 feet long and consisted of reinforced concrete beams resting on four reinforced concrete bents. The bridge was widened by approximately 16 feet in 1956 when the two lane highway was converted for use as the SB lanes of a divided highway. Due to age and deterioration, and the need for more frequent and costly maintenance, this bridge needs to be replaced.

The new bridge will be approximately 73 feet long and 43 feet wide (4 feet wider than the current bridge). The additional width is to allow for standard shoulder widths and bridge rails.

The new bridge will be two lanes wide and single span with no piers in the channel, unlike the current bridge which is a three-span structure with two rows of piles within the channel. The new bridge will be constructed at a deck elevation approximately two feet higher than the existing bridge elevation to account for anticipated sea-level rise and to keep the new bottom of soffit above existing soffit elevations. The new bridge will have approximately 300 square feet more surface area and will shade an additional 300 square feet area of Jacoby Creek.

Elements of construction of the detour bridge and demolition of the SB Jacoby Creek Bridge are described in further detail below.

Construction of the Detour Bridge

The replacement southbound Jacoby Creek bridge will be constructed adjacent to the existing bridge within the median. A temporary detour of the southbound lanes will be constructed within the median and utilize the new bridge on the detoured alignment. The temporary realignment onto the new bridge allows the demolition of the existing SB Jacoby Creek Bridge. After the old bridge is removed and the new bridge abutments installed, the detour bridge will then be moved to the new bridge location by using a jack-and-slide method.

Construction of the detour will involve the removal of approximately 0.05 acre of riparian vegetation within the highway median, including four large, non-native Monterey pine (*Pinus radiata*) trees (diameter at breast height [dbh] 30-61 inches). The detour bridge approaches will require approximately two years of temporary paving in approximately 0.35 acre of wetland. Although the approaches will be restored once construction is complete, the 0.35-acre impact to wetland will be considered a permanent impact due to the extended duration of up to two years of loss of wetland function.

In the median on both sides of Jacoby Creek, two areas (each about 50 feet long, 8 feet wide, and 4 feet deep) will be excavated east of the existing bridge for the temporary detour bridge abutments. All excavated material will be contained to prevent sediments from entering waterways, or the excavated material will be placed directly into dump trucks and carried to an approved disposal site. These excavations will be above the ordinary high water mark (OHWM), avoiding the water of the active, wetted Jacoby Creek channel and associated emergent vegetation; however, water is expected to enter the excavated areas, therefore dewatering or seepage prevention will be required.

Within the excavated areas on either side of the channel, twelve 36-inch diameter cast-in-steel shell (CISS) piles would be driven on the banks of Jacoby Creek (six on either side of the creek) approximately 15 to 20 feet from the active wetted channel. The new design allows for the piles to be vibrated or rotated/oscillated for the upper 30 feet after which point impact driving would be required.

Pile sections would be staged on either side of Jacoby Creek within the work zone. The pile would be swung into position and suspended near the ground surface directly above its planned installation location. The first section of pile would likely be installed using a vibratory hammer attached to the hoisting crane, to a maximum of 30 feet below pile cut-off elevation. The remainder of the pile would be driven to pile tip elevation using an impact hammer. The pile design tips are 85 feet. Upon reaching pile tip and verifying pile capacity, the material inside the pile wall would be removed using a down-hole drill rig. It is feasible that all piles for any one abutment would be driven prior to any one pile in the group being drilled, due to space and equipment availability. Drilling spoils would be removed from the area adjacent to the pile as drilling progresses. If necessary, industry-standard practices would be used to minimize soil heaving and groundwater infiltration at the base of the pile (wet-hole drilling methods). Upon completion of drilling, a seal course would be placed at the base of the pile within the pile wall. Bar-reinforcement for the pile would be hoisted and lowered into the excavated shaft followed by placement of structural concrete.

It is estimated that one to two piles could be installed in a single day, depending on the pile lengths used and any work stoppage to add pile length. Once initiated, impact pile driving is estimated to take less than 15 minutes for each pile with continuous pile driving. The final geotechnical capacity of the piles would need to be checked after a few days using impact pile driving. The number of blows required to test capacity would depend on the Contractor's selection of pile hammer but would be a significantly shorter driving period with fewer blows compared to installation, estimated at one minute of driving and six or seven blows per pile.

A temporary concrete washout facility would be placed on-site for concrete clean up, and all pile driving equipment would be staged outside the banks of Jacoby Creek. After the piles are installed, pile caps would be constructed to form the abutment footings. The new bridge superstructure would comprise precast box girder sections, supporting cast-in-place concrete barrier railings and deck. Temporary fill will be placed for the detour bridge approaches, then paved, and then SB traffic will be diverted to the new bridge.

Demolition of the Existing Jacoby Creek Bridge

Once the detour is operational, the old bridge will be demolished. The contractor will be required to submit a demolition plan, to be approved by the Caltrans Resident Engineer, which will describe methods and measures taken to restrict or minimize construction debris from entering the creek channel prior to demolition. The CCC, CDFW, and NCRWQB will also have an opportunity to review the demolition plan.

Prior to demolition, a debris containment system will be installed per the approved demolition plan. Temporary containment could be mounted to either the existing bridge support piles or placed on the banks of the creek outside the wetted channel to allow for removal of the bridge rails, concrete deck, and beams while minimizing the possibility of debris entering the creek channel.

Once the containment system is in place, the bridge rails will be removed with a small hoe-ram, jackhammers and/or concrete saws. Using a crane or excavator, the deck and beams will likely be taken out in pieces from above. The pile caps supporting the existing bridge deck will then be removed, similar to the deck removal. Debris will be removed from the debris containment system as demolition work proceeds. All concrete debris will be moved outside the project limits to be recycled or disposed at an approved disposal site.

Twelve of the existing bridge piers (a row of six piers on either side of the channel) are situated above the water line on the bank of Jacoby Creek and their removal will not impact the creek channel. These piers will be cut off at an elevation sufficiently low enough to accommodate the new bridge's foundation, which will be approximately four feet below the existing roadway elevation. Twelve remaining piers are in the water even at low tide and their removal will require in-stream work. To ensure all minimization and avoidance measures are implemented, a biological monitor will be present during all in-stream activities associated with removal of the existing SB Jacoby Creek Bridge and piers.

The twelve piers within the channel will be removed above the water line of the creek during low tide to avoid the need for excavation or isolation casing and to minimize turbidity. This will likely be accomplished by tightly wrapping containment material (high density polyethylene [HDPE] sheets to control dust and debris from entering the creek) to the piers below the water line, then using a concrete saw or pneumatic/hydraulic hammer to cut the piers above the water line. The cut piers will be tethered to an excavator or crane operating from outside the channel, then removed and placed outside the channel. Pier removal will take approximately two weeks

to complete. After demolition and removal of all structural elements of the bridge, the debris containment system will be removed.

Construction of New Bridge Abutments and Final Bridge Alignment

In the excavated areas of the old abutments, new abutments will be extended to the west along both banks of Jacoby Creek. Within the excavated areas on either side of the channel Twelve 36-inch CISS piles (six on each side of Jacoby Creek) will be installed on the banks about 15 to 20 feet from the active, wetted channel for the abutments of the new bridge. The first 30 feet of each pile would likely be installed using a vibratory hammer and then impact driven to pile tip elevation (estimated to be 85 feet deep) and tested for bearing capacity as described for the temporary detour bridge piles.

The SB roadway will be closed for one night. Using the jack-and-slide method, the detour bridge deck will be moved approximately 52 feet west to the original alignment with the highway. The bridge will be paved and striped, and traffic will be re-routed.

Once the new bridge is operational, the remaining asphalt surface of the detour bridge will be removed and recycled or properly disposed of outside the project limits. Fill placed for the detour will be removed and contoured to the pre-construction slopes within the median. The finished surface will be seeded with a California native seed mix and non-persistent cereal grain for erosion control. Once the area is stabilized, silt fences or other temporary best management practice (BMP) systems utilized to prevent construction debris or sediment from entering Jacoby Creek will be removed.

The abutments of the detour bridge will remain in place, to be utilized for traffic staging for future replacement of the NB bridge when it reaches the end of its useful life. The abutments will be covered with topsoil and planted until such time when they will be used again.

HUMBOLDT BAY AREA MITIGATION (HBAM)

PROJECT DESCRIPTION

Samoa Parcel Wetland Creation and Enhancement

The Samoa parcel located off of Old Samoa Road/V Street within the west boundary of the Arcata City limits was purchased by Caltrans for the purpose of constructing compensatory wetland mitigation for offsetting impacts to jurisdictional wetlands associated with the Eureka-Arcata Corridor Project and other projects within the Humboldt Bay watershed. Proposed mitigation would convert existing upland and palustrine emergent wetlands mosaic into open freshwater palustrine wetland ponds.

The Draft Mitigation and Monitoring Plan (MMP) proposes to provide compensatory mitigation for project impacts at a ratio of 1:1.25 (acres impact to acres of mitigation). The Draft MMP proposes to provide a total of 68.74 acres of mitigation for all permanent impacts to wetlands that would result from the project as well as for future projects that may have additional impacts to 3-parameter wetlands.

DRAFT MITIGATION AND MONITORING PLAN

For the Humboldt Bay Area Mitigation
(HBAM) Project

EA / EFIS

01-36601 / 0114000065

State Route 255, Post Miles 6.0 – 7.6
In Humboldt County, California



April 2019



STATE OF CALIFORNIA
Department of Transportation
North Region Environmental
1656 Union Street
Eureka, CA 95501
707-445-5273

LIST OF PREPARERS

Prepared By: _____ Date: _____

Desiree Davenport, Mitigation Specialist
North Region Environmental - Coastal Stewardship Branch
District 01
1656 Union Street
Eureka, CA 95501
(707) 445-5273
Desiree.Davenport@dot.ca.gov

Prepared By: _____ Date: _____

Robert Meade, Senior Environmental Planner, Natural Sciences
North Region Environmental
District 02
1657 Riverside Drive
Redding, CA 96001
(530) 225-3473
Robert.Meade@dot.ca.gov

Approved By: _____ Date: _____

Robert S. Wall, Senior Environmental Planner, Branch Chief
North Region Environmental - Coastal Stewardship Branch
District 01
1656 Union Street
Eureka, CA 95501
(707) 445-5320
Robert.Wall@dot.ca.gov

List of agencies and persons receiving a copy of this report:

- Richard Mullen, Deputy District Director, California Department of Transportation
- Brandon Larsen, Supervising Environmental Planner, California Department of Transportation
- Wesley Stroud, Supervising Environmental Planner, California Department of Transportation
- Jeffrey Pimentel, Senior Transportation Engineer & Project Manager, California Department of Transportation
- Robert Wall, Senior Environmental Planner, California Department of Transportation
- Kevin Church, Senior Transportation Engineer, California Department of Transportation
- Robert Meade, Senior Environmental Planner, California Department of Transportation
- Laura Lazzarotto, Senior Landscape Architect, California Department of Transportation
- Jessica Bailey, Landscape Architect, California Department of Transportation
- Jason Meyer, Senior Environmental Planner, California Department of Transportation
- Andrew Rogers, Associate Environmental Planner, California Department of Transportation
- Melissa Kraemer, District Supervisor, California Coastal Commission North Coast District
- Sean Fresz, CDFW Lands Division
- Michael Van Hattem, CDFW
- Brandon Stevens, Environmental Scientist, North Coast Regional Water Quality Control Board (NCRWQCB)
- Dan Breen, Caltrans Liaison, U.S. Army Corps of Engineers (USACE) San Francisco District
- Keith Hess – Eureka Field Office, U.S. Army Corps of Engineers (USACE) San Francisco District
- L. Kasey Sirkin, Lead Biologist – Eureka Field Office, U.S. Army Corps of Engineers (USACE) San Francisco District

Table of Contents

Chapter 1. Introduction.....	1
1.1 Project Impacts and Proposed Mitigation	Error! Bookmark not defined.
1.2 Anticipated Agency Permits.....	4
Chapter 2. Environmental Setting.....	5
2.1 Study Area.....	4
2.2 Land Use	5
2.3 Topography	5
2.4 Soils.....	5
2.5 Hydrology	6
2.6 Vegetation Communities	6
2.7 Wetlands and Waters	7
2.8 Special Status Species.....	7
Chapter 3. Implementation Plan.....	9
3.1 Site Preparation.....	9
3.2 Planting Methods.....	10
3.3 Planting and Monitoring Schedule.....	10
3.3.1 Planting	11
3.3.2 Watering	11
3.3.3 Weeding.....	12
Chapter 4. Success Criteria, Monitoring and ReportingError! Bookmark not defined.	
4.1 Performance and Success Criteria	Error! Bookmark not defined.
4.2 Monitoring Methods and Schedule	Error! Bookmark not defined.
4.3 Reporting.....	Error! Bookmark not defined.
4.4 Remedial Actions and Adaptive Management.....	Error! Bookmark not defined.
Chapter 5. References	9

List of Appendices

- Appendix A: Project Maps**
Appendix B: Planting Palette
Appendix C: Project Pre-Construction Photos

List of Tables

Table 1: Summary of Wetland Impacts.	3
Table 2: Summary of Proposed Compensatory Mitigation.....	4
Table 3: Anticipated Implementation, Maintenance, Monitoring, and Reporting Timeline for the HBAM Project	13
Table 4: Anticipated Implementation, Maintenance, Monitoring and Reporting Timeline for the Wetland Establishment Areas.	Error! Bookmark not defined.

Chapter 1. Introduction

The California Department of Transportation (Caltrans), in conjunction with the Federal Highway Administration (FHWA) and local partners, purchased the “Samoa Parcel,” located approximately two miles west of the City of Arcata, for the purpose of creating and enhancing wetlands to offset impacts to wetlands associated with the Eureka-Arcata Corridor project (Caltrans 2016) (Table 1). The planned offsite mitigation on the Samoa parcel would also provide full mitigation for two regional trail projects; the Humboldt County Association of Governments (HCAOG) South Bay Trails Project and the City of Arcata (Arcata) North Bay Trails Project. Caltrans has entered into agreements with HCAOG and Arcata to design and implement wetland restoration and enhancement on the Samoa parcel for the trails projects. The above-named projects will be referred to as “The Project.”

1.1 Project Impacts and Proposed Mitigation

The purpose of this Mitigation and Monitoring Plan (MMP) is to provide in kind mitigation for the 15.84 acres of permanent impacts to 3-parameter wetlands that are regulated by the U.S. Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW) and the North Coast Regional Water Quality Control Board (NCRWQCB) that are anticipated as a result of the construction activities required for The Project (Caltrans, 2016b) through establishment (creation) and enhancement at the Samoa Parcel.

Table 1 below describes in detail, the acres of impact to 3-parameter wetlands regulated by USACE, CDFW and NCRWQCB as a result of each of the three projects that encompass “The Project”. The Caltrans Eureka-Arcata Corridor Project is anticipated to have a net impact of 7.61 acres of 3-parameter wetlands. The City of Arcata’s North Bay Trails project is anticipated to impact 2.26 acres of 3-parameter wetlands. HCOAG’s South Bay Trails project is anticipated to impact 5.97 3-parameter wetlands. In addition, the Caltrans project is anticipated to impact a total of 9.38 coastal wetlands (defined as 1 – 2+ parameter wetlands) regulated by the California Coastal Commission (CCC) by the California Coastal Act (CCA). This includes the 7.61 acres of 3-parameter wetlands discussed above. City of Arcata’s total coastal wetland impact is 2.26 acres, so no additional impacts to coastal wetlands are anticipated. HCOAG’s total coastal wetland impact is 6.10 acres (5.97 acres of 3-parameter wetland impact plus 0.13 acres of coastal wetland impacts).

This MMP proposes to provide a total of 68.74 acres of mitigation for all permanent impacts to wetlands that would result from The Project as well as for future projects that may have

additional impacts to 3-parameter wetlands (Table 2). All impacts to coastal wetlands are addressed in the *Spartina Removal and Monitoring Plan* (Caltrans 2019).

The goal of this MMP is to meet the mitigation requirements of The Project as well as for future projects for the following permitting agencies: USACE, CDFW and NCRWQCB. Mitigation activities will be carried out through a Landscape Contract and work will be overseen and quality control will be conducted by Caltrans Landscape Architects, Caltrans Mitigation Specialists and Caltrans project Biologists.

Table 1. Updated estimated net impacts for all projects associated with the Eureka-Arcata Corridor Improvement Project.

Project Component	Wetland Type / Cowardin Code	CWA Section 404 (3-parameter) wetlands (acres)	CCA (1- or 2-parameter) wetlands (acres) ¹	Project Implementation schedule
PROJECT 1: Eureka/Arcata Corridor Project				
<i>Jacoby Creek Bridge Replacement (01-0C930)</i>	Palustrine Emergent Persistent / PEM1	0.28	0.29	2019-2021
<i>Jacoby Creek Bridge Replacement (01-0C930)</i>	Estuarine Intertidal Emergent / E2EM	0.10	0.10	2019-2021
<i>Guard Rails Median Barriers (01-0C970)</i>	Palustrine Emergent Persistent / PEM1	1.04	1.60	2019-2020
<i>Acceleration / Deceleration Lanes & Lighting (01-0F220)</i>	Palustrine Emergent Persistent / PEM1	0.84	0.96	2019-2020
Onsite Mitigation (01-36001)	Palustrine Emergent Persistent / PEM1	- 0.35	- 0.35	2019-2021
<i>Interchange and Airport Road Improvements (01-36600)</i>	Palustrine Emergent Persistent / PEM1	6.22	7.30	2021-2023
Onsite Mitigation (01-366001)	Palustrine Emergent Persistent / PEM1	- 0.52	- 0.52	2020-2021
Eureka/Arcata Corridor Mitigation Subtotal		7.61	9.38	
PROJECT 2: Humboldt Bay Trail North²				
<i>Trail through estuarine habitats (0.48 at a 2:1 ratio)</i>	Estuarine Intertidal Emergent / E2EM	0.96	0.96	2017
<i>Trail through palustrine habitats (1.30 at a 1:1 ratio)</i>	Palustrine Emergent Persistent / PEM1	1.30	1.30	2017
Humboldt Bay Trail North Mitigation Subtotal		2.26	2.26	
PROJECT 3: Humboldt Bay Trail South³				
<i>Trail through estuarine habitats</i>	Estuarine Intertidal Emergent Ditch / E2EMd	2.67	2.67	2019
<i>Trail through estuarine habitats</i>	Estuarine Intertidal Emergent / E2EM	0.52	0.52	2019
<i>Modification of estuarine shore and bottom</i>	Estuarine Intertidal Rocky Shore and Unconsolidated Bottom / E2RS2 and E2US	0.01	0.01	2019
<i>Trail through palustrine habitats</i>	Palustrine Emergent Persistent Open Water Ditch / POWd	1.91	1.91	2019
<i>Trail through palustrine habitats</i>	Palustrine Emergent Persistent / PEM1	0.37	0.47	2019
<i>Trail through palustrine habitats</i>	Palustrine Scrub-Shrub / PSS	0.49	0.52	2019
Humboldt Bay Trail South Mitigation Subtotal		5.97	6.10	
Total Project Compensatory Mitigation Needs from Projects 1 and 2		9.87	11.64	
Total Project Compensatory Mitigation Needs from Projects 1, 2, and 3		15.84	17.74	

¹ California Coastal Act (CCA) wetland total reflects Clean Water Act (CWA) Section 404 wetland acreages plus additional 1- and 2-parameter CCA wetlands.

² The actual impact to these wetland types is 1.78 acres. The acres listed in the table include multiplication of this area by the listed ratios which are based on previous regulatory approvals between the City of Arcata and regulatory agencies.

³ Includes proposed High-Tension Cable Barrier.

Table 1: Summary of Proposed Compensatory Mitigation.

Mitigation Method	Total Mitigation Acreage	Mitigation for impacts for The Project (acres)	Mitigation Potential for credits for future projects (acres)
Estuarine Wetland/Ditch Enhancement	20.27	0	Up to 20.27*
PEM Establishment	33.35	21.5	11.85
PEM Enhancement	15.12	0	15.12
Total Acres of Compensatory Mitigation	68.74	21.5	Up to 47.24*
Mitigation Ratio for Permanent Impacts (acres of impact to acres of mitigation)	N/A	1:1.25	1:1
Mitigation Ratio for Enhancement (acres of impact to acres of mitigation)	N/A	N/A	1:3

*Up to 20.27 acres of estuarine enhancement would take place because of the passive nature of the enhancement activities. Estuarine influence could be less than anticipated. Freshwater wetlands would occur instead in this area if estuarine influence is less than anticipated.

1.3 Anticipated Agency Permits

The following agency permits are anticipated for the HBAM project:

- i) California Department of Fish and Wildlife (CDFW) – 1600 Lake and Streambed Alteration Agreement
- ii) California Coastal Commission (CCC) – Coastal Development Permit
- iii) North Coast Regional Water Quality Control Board (NCRWQCB) – Section 401 Water Quality Certification
- iv) U.S. Army Corps of Engineers (USACE) – Section 404 Permit

Chapter 2. Environmental Setting

2.1 Study Area

The Samoa Parcel is a 71.8-acre dairy farm located in the “Arcata Bottoms” approximately 2 miles west of the City of Arcata, California, and just north of the McDaniel’s Slough, a wildlife preserve owned by CDFW, on the north end of Humboldt Bay which consists of extensive mudflats interlaced with drainage channels and a few major shipping channels. The bay is part of the 223-square mile Humboldt Bay watershed which is within the Mad River-Redwood Hydrologic unit (HUC 10 Code 18010102). Freshwater enters the bay from Jacoby Creek, Elk River, Freshwater Creek, Eureka Slough, McDaniel Slough, Mad River Slough, Gannon Slough and other small sloughs and creeks. There is a large barn on the site as well as a farm house. These structures would not be impacted during the implementation of the project.

Floristically, the project is situated within the North Coast sub-region of the Northwest Region of the California Floristic Province in coastal northern Humboldt County (Baldwin et al., 2012).

2.2 Topography

The site is flat overall, with the lowest point in the southwest corner of the site gradually increasing in elevation to the northwest. Some depressions are present at various locations within the higher elevation areas on the west side of the property. This site is located in the Arcata Bottoms and is part of historic tidelands that were diked to create pasture lands for agriculture production.

2.3 Soils

Soils on the site are mapped primarily as Occidental Soil Map Unit and are considered non-prime agricultural soils because of the salt water influence. Soil texture consists primarily of Silty Clay Loam under a 3-inch peat layer. The drainage class is very poorly drained with frequent ponding and slightly to strongly saline influence. These soils have a hydric soil rating. In the southwest corner, a small percentage of the site is mapped as the Arlynda Soil Map Unit which is considered prime agricultural soils if irrigated. The texture of this soil is also Silty Clay Loam under 3 inches of slightly decomposed plant material. Also, a very poorly drained soil that sees frequent ponding that is non-saline to very slightly saline. This soil is also rated as a hydric soil.

2.4 Hydrology

The main source of water to the site is rainfall. A leaky water pump exists on the east side of the site. Along the south edge of the site between the county road and the fence line is a ditch that mostly consists of freshwater, but salinity increases as the water mixes with the channel that flows in from the leaky tide gate on the southeast side.

2.5 Vegetation Communities

Vegetation communities within the project area are typical of the North Coast sub-region of Northern California and were classified based on the dominant plant species using *A Manual of California Vegetation*, 2nd edition (Sawyer et al., 2009). The vegetation communities are characteristic of a typical ranch in the Arcata Bottoms, with various perennial non-native grasses planted for activities associated with a ranch including grazing cattle and producing hay. Since the property is adjacent to McDaniel's Slough, a leaky tide gate on the southwest corner of the property supports a small amount of estuarine vegetation, however, only in sparse areas along the channel. In addition, as is typical for the Arcata Bottoms, the ranch has historic hydric soils that mostly consist of clay, supporting conditions for wetland plants to establish. The following are the dominant vegetation communities found within the Samoa Parcel: the *Eleocharis macrostachya* (common spike rush marshes) Herbaceous Alliance, *Juncus patens* (Western rush marshes) Provisional Herbaceous Alliance, *Holcus lanatus*-*Anthoxanthum odoratum* (common velvet grass – sweet vernal grass meadows) Semi-Natural Stands and *Festuca perennis* (formerly *Lolium perenne*) (perennial ryegrass fields) Semi-Natural Herbaceous Stands.

Eleocharis macrostachya has an obligate (OBL) wetland rating according to the *Wetland Plant List for the Western Mountains, Valleys and Coast* (USACE, 2016). Definitions of wetland vegetation ratings were found in *National Wetlands Plant List Indicator Rating Definitions* (USACE, 2012). The definition of an obligate plant is a plant that almost always (99% of the time) occurs in wetlands under natural conditions. *Juncus patens* has a facultative-wet (FACW) rating which is defined as a plant that usually occurs in wetlands (67-99% of the time) but occasionally found in non-wetlands. *Holcus lanatus*, *Anthoxanthum odoratum* and *Festuca perennis* are all non-native grasses that are rated as Facultative (FAC), Facultative-Upland (FACU) and Not Listed (NL) respectively. Facultative plants are defined as plants that are equally likely to occur in wetlands and non-wetlands (34-66% of the time). Facultative-Upland plants are defined as plants that usually occur in non-wetlands but are occasionally found in wetlands (1-33% of the time). Plants not listed are assumed to be upland plants, that do not occur in wetlands.

2.6 Wetlands and Waters

Potential jurisdictional wetlands and other waters of the U.S. were delineated at the Samoa Parcel. Two wetland habitats based on the U.S. Fish and Wildlife Service (USFWS) Cowardin classification system (Cowardin et al., 1979) are present in, or immediately adjacent to, the Samoa Parcel. In areas that are currently classified as upland, wetland creation is planned to take place. In the existing wetlands, enhancement is planned. These include:

- *Palustrine Emergent Persistent Wetland* (Palustrine Emergent Wetland) (PEM): all intermittently or continually flooded wetlands that exist in a mosaic and ultimately drain to the southwest corner of the Samoa Parcel.
- *Estuarine Subtidal Unconsolidated Bottom Deepwater Habitat* (Estuarine Subtidal Waters) (E1UB): Inundated part of the channel in the southwest corner of the Samoa Parcel that is fed by the leaky tide gate going through the levee between the Samoa Parcel and the adjacent McDaniel's Slough creates a small estuarine influence near the culvert.

2.7 Special Status Species

Discussion of Northern Red-legged Frog (*Rana aurora*)

The Northern Red Legged Frog (*Rana aurora*) is a Species of Special Concern in California. The northern red-legged frog is listed as Least Concern by International Union for Conservation of Nature (IUCN) in view of its wide distribution, numerous subpopulations, ability to use altered habitats, and presumed large population (IUCN 2019). However, it has experienced population declines attributed to wetland loss, degradation and fill, urbanization, residential development, stream channelization, livestock grazing of riparian vegetation, off-road vehicle activity, drought, and predation by exotic species such as the American bullfrog (*Lithobates catesbeiana*). The northern red-legged frog is found in humid forests, woodlands, grasslands, and streamsides in northwestern California, usually near dense riparian cover. They are typically found in or near water but can be wide-ranging and highly terrestrial in damp woods and meadows during the non-breeding season. They require permanent water sources such as ponds and lakes for breeding, which occurs from late November through March. Egg masses are usually attached to herbaceous vegetation in areas with little or no flow. Eggs hatch in 4 to 6 weeks and tadpoles transform to adults in 11 to 14 weeks.

The existing freshwater wetlands within the project area support suitable habitat for northern red-legged frog.

Discussion of tidewater goby (*Eucyclogobius newberryi*)

Critical habitat has been mapped by the U.S. Fish and Wildlife Service for tidewater goby (TWG), a fish in the Gobiidae family, at the McDaniel's Slough, a brackish wetland located adjacent to the site. Tidewater goby is listed as Endangered under the Federal Endangered Species Act, considered a species of special concern by California Department of Fish and Wildlife (CDFW), and has a heritage rank of G3, S3. Because the leaky tide gate on the adjacent property occasionally causes some saline bay water to spill into the freshwater channel at this site, this situation created potential for TWG habitat as a result. The leak in the tide gate is likely insufficient for TWG to get through. eDNA testing has not been done at this site, however because TWG requires higher levels of salinity all year, this site is likely not suitable habitat for TWG. In addition, the work would take place in the summer when water levels are low and the culvert carrying bay water onto the site would be blocked during the implementation of the grading work.

Chapter 3. Implementation Plan

The implementation of mitigation activities will include site preparation including grading work, invasive plant control, planting and revegetation, wetland establishment, and mitigation site maintenance. Implementation of mitigation activities will occur in the summer of 2020, concurrent with construction activities associated with The Project. Mitigation activities will be conducted by a Landscape Contractor and overseen by a Caltrans Resident Engineer, Landscape Architect and Mitigation Specialist for the 3-year Plant Establishment Period. Additional site maintenance for the remainder of the 5-year monitoring period will be conducted by the California Conservation Corps (CCC) and overseen by a Caltrans Mitigation Specialist or project Biologist.

3.1 Site Preparation

Preliminary Planning:

- Caltrans will end the agriculture lease in the late summer/early fall of 2019 before the soil work begins, and no grazing or other agricultural activities would be allowed at the site after the summer season of 2019.
- Caltrans will create a deed restriction on the site before handing the site over to CDFW who has committed to be the responsible entity for managing the site as created and enhanced wetlands to ensure that they remain wetlands in perpetuity.

Soil Work: Site preparation will include:

- Soil grading for maximum wetland creation on the site using existing soil only. No soil will be imported or exported. Grading will include soil removal at a maximum of two feet in the highest elevation areas of the site.
- Check dams in ditches to encourage more water retention at the site.
- Borrow from higher elevation areas will be used for berms and terrace creation towards the lower elevation areas at a gradient.
- A low-relief berm will be created with excess borrow around the perimeter of the site.
- Installation of interpretive signs.

- Installation of Irrigation and water tanks and/or repair of existing water pump if possible.
- Target hydrology for PEM wetland establishment and enhancement would be seasonal to provide habitat for northern red-legged frog and preclude infestation of American bullfrog. American bullfrogs prefer warm, slow or stagnant waters with abundant vegetation (CDFW 2018). Communications with local experts concluded that unlike northern red-legged frogs that only require one season to complete their lifecycle, American bullfrogs require perennial surface waters to complete their lifecycle of one to two years.
- Estuarine enhancement would include extending the existing channel on the southeast corner of the parcel north and west to create the conditions that would encourage estuarine waters to extend further into the Samoa Parcel. No work would be done to the culvert under the road to the south of the project site nor to the leaky tide gate on the adjacent property. The estuarine enhancement work would use passive techniques that would create better conditions for saline waters to reach further into the estuarine enhancement area (Figure A-2).

Invasive Plant Control: As part of site preparation prior to installing plants, invasive plant species will be removed and/or controlled to the extent feasible. Some grading work will include the removal of the top two inches of specified areas where tall fescue and other non-native perennial grasses dominate, to make room for native plantings to get established. Any invasive plant removal conducted during site preparation will utilize physical control methods only and no application of herbicides will be authorized. Target species will include, but not necessarily be limited to, the most problematic and species that would impede the establishment of target native species.

3.2 Planting Methods

The planting palette species for mitigation seeding and planting was derived from the plant list compiled during botanical surveys and subsequent site visits made by a Caltrans Biologists and have a Facultative (FAC), Facultative-Wet (FACW), or Obligate (OBL) wetland plant rating consistent with the *USACE National Wetland Plant List for the Western Mountains, Valleys and Coast, 2016* (Planting Palette in Table C-1 of Appendix C). Plantings will be installed by a Contractor according to Planting Plans. Plant and seed sources will come from on-site, the adjacent CDFW land, or as regionally appropriate as is feasible. If

necessary, species listed on the Planting Palette may be substituted for with regionally appropriate species at the discretion of the Landscape Architect and/or Mitigation Specialist.

Native, regionally appropriate trees, shrubs and dense clusters of native wetland plant plugs will be installed where appropriate within areas proposed for wetland establishment and enhancement. High-density planting of plugs where possible will ensure the success of wetland restoration and establishment efforts by excluding non-native and invasive species that might outcompete native wetland plants when grown at lower densities.

3.3 Planting and Monitoring Schedule

Mitigation activities will be conducted by a Landscape Contractor and overseen by a Caltrans Resident Engineer, Landscape Architect and Mitigation Specialist for the 3-year Plant Establishment Period. Additional site maintenance for the remainder of the 5-year monitoring period will be conducted by the California Conservation Corps (CCC) and overseen by a Caltrans Mitigation Specialist or project Biologist.

3.3.1 Planting

Planting will occur during construction of The Project, after the site preparation is complete. To minimize plant stress, container plants will be installed at a time when plants are dormant (November through February). Replacement planting, if needed, will occur during the dormant season, generally a year after the initial planting.

3.3.2 Watering

Watering will be conducted approximately every other week during the first three dry seasons or any extensive dry period during the first three years following initial planting and replanting. The dry season on the North Coast typically occurs between mid-May through October or November. The last two years of the monitoring period will not have supplemental watering.

In cases where a minimal percentage of plants (i.e., generally, up to 20%) needs to be installed in year 3 or 4 of monitoring to ensure the success criteria are met, watering will occur for two years after planting for the supplemental plants only. Because the supplemental planting is a minimal percentage of plants (i.e., generally, up to 20%), Caltrans will not maintain and monitor the site for two additional years beyond the last watering of the supplemental plants, if the site has met the success criterion at the end of the 5-year monitoring period, and the supplemental plants appear healthy and established.

3.3.3 Weeding

Control and removal of invasive plants will be removed to the extent feasible to encourage native plant success using hand tools and/or weed-eaters during each year of the five-year maintenance and monitoring period.

Table 3: Anticipated Implementation, Maintenance, Monitoring, and Reporting Timeline for the HBAM Project.

Mitigation Task	Year				
	1	2	3	4	5
Initial Planting (IP)	X				
IP Watering Year 1	X				
Replanting (RP) (if necessary)		X			
IP Watering Year 2		X			
RP Watering Year 1 (if necessary)		X			
RP Watering Year 2 (if necessary)			X		
Weeding ¹	X	X	X	X	X
Monitoring ²	X	X	X	X	X
Reporting	X				X

¹ Initial weeding will take place prior to initial plant installation in Year 1.

² The first year of monitoring may take place in the same calendar year as long as planting has taken place before March 1st.

Chapter 4. Success Criteria, Monitoring and Reporting

4.1 Performance and Success Criteria

The mitigation activities will be evaluated annually using the performance and success criteria described below. For this MMP, a “performance criterion” is a measure that indicates whether the restoration and mitigation goals are on a trajectory to being attained at a given point in time which will be used to guide site maintenance activities. A “success criterion” is a measure that indicates whether the restoration and mitigation goals have been achieved at the end of the monitoring period.

Performance Criteria

Year 1:

- No performance criteria for Year 1.

Year 3:

- *Wetland Establishment Areas:* Within the wetland establishment areas, absolute percent cover of native wetland-rated (i.e., OBL, FAC, FACW) herbs and/or willows will be at least 50% of the cover of native wetland-rated herbs in an adjacent reference wetland site (likely the CDFW site). Volunteer plants and plantings are included in the cover estimate.
- *Wetland Enhancement Areas:* No performance criteria for Year 3.

Success Criteria

Year 5:

- *Wetland Establishment Areas:* The absolute percent cover of native wetland-rated (i.e., OBL, FAC, FACW) herbs and/or willows will be at least 85% of the cover of native wetland-rated herbs in an adjacent reference wetland site. Volunteer plants and plantings are included in the cover estimate. At least five native plant species would be present a given area to ensure diversity of wetland species. A wetland delineation would reveal that the created wetlands meet the three-parameter wetland definition.
- *Wetland Enhancement Areas:* The absolute percent cover of native wetland-rated (i.e., OBL, FAC, FACW) herbs within each of the three wetland establishment areas will be at least 85% of the cover of native wetland-rated herbs in an adjacent

reference wetland site. At least five native plant species would be present a given area to ensure diversity of wetland species. Volunteer plants and plantings are included in the cover estimate.

4.2 Monitoring Methods and Schedule

Monitoring of the mitigation areas will be performed to ensure the mitigation goals and objectives are met and to implement adaptive management if necessary.

Monitoring will characterize extant conditions in the field, and data collection will be reproducible and collected in a consistent manner. Monitoring will be conducted during the 5-year maintenance and monitoring period by a Caltrans Mitigation Specialist or project Biologist with appropriate field survey experience (Table 4). A wetland delineation would be conducted over all or a portion of the wetland establishment areas in Year 5.

Monitoring at this site will consist of the following:

Estimating absolute percent cover of native herbaceous wetland plants and/or willows:

Percent cover ocular estimates of native herbs/willows with an OBL, FAC, FACW will be conducted annually for five years after plants and seeds are planted.

CRAM Monitoring: CRAM (California Rapid Assessment Method) would be utilized (1) before implementation work begins, and (2) during monitoring in Year 5 to compare habitat quality and conditions of establishment and enhancement areas before and after the implementation work and plant establishment period. CRAM monitoring would assess topography, complexity, salinity and other dynamics that benefit local plants and wildlife.

Wetland Delineation: A wetland delineation would take place in Year 5 for the entire site or selected sample areas of the site in Year 5.

Establishing reproducible photo points: Vegetation establishment will be documented through photo monitoring conducted prior to plant installation and annually through Year 5. Photo monitoring points would be shown on a map and accepted by permitting agencies. Photos of annual photo monitoring conducted in Year 2 through Year 5 will be provided with the Year 5 monitoring report. Additional or alternate photo points may need to be installed if the original photo points fail to capture enough visual data. If this is needed, the new locations would be communicated to and accepted by the permitting agencies.

Reference site monitoring: One reference site of PEM wetland adjacent to or within the project area will be identified and monitored to provide baseline data to inform the monitoring performance and success criteria in Year 1 of the monitoring period. Monitoring data will be used for comparison with the established wetlands to gauge the trajectory of wetland establishment site success. Reference site monitoring will include estimating percent cover of native herbaceous wetland plants and photo monitoring. The reference site for the wetland establishment areas would likely be immediately adjacent to the site to the south, on CDFW property. A map of the reference site would be included along with photo points of the reference site in the Year 1 Monitoring Report.

Monitoring schedule: The first year of monitoring will take place in the same calendar year as the planting as long as planting was conducted before March 1st. If planting is conducted after March 1st monitoring will be conducted at the end of summer to provide time for the plants to establish. See anticipated wetland establishment implementation, maintenance, monitoring and reporting timeline for the wetland establishment areas in Table 4.

Table 4: Anticipated Implementation, Maintenance, Monitoring and Reporting Timeline for the Wetland Establishment Areas.

Mitigation Task	Year				
	1	2	3	4	5
Initial Planting and Weeding	X				
Wetland Establishment and Enhancement Cover Estimates		X	X	X	X
Photo Monitoring	X	X	X	X	X
Reference Site Monitoring	X				
Wetland Delineation					X
CRAM Monitoring	X				X
Reporting	X				X

4.3 Reporting

Caltrans will prepare monitoring reports for mitigation activities in accordance with USACE 2015 Compensatory Mitigation and Monitoring Guidelines³. Monitoring reports documenting mitigation activities will be prepared and submitted to the permitting Agencies that require submission of monitoring reports following Year 1 and Year 5 monitoring. The reports will be prepared by a qualified Biologist or Mitigation Specialist and will evaluate whether the mitigation areas have achieved the goals and success criteria set forth in the approved MMP.

Each monitoring report will include the following information:

- A summary of the project location and description.
- Maps of the general project location and mitigation areas.
- A summary of the monitoring methods.
- A list of the names, titles, and companies of the people who prepared the content of the annual report or participated in monitoring activities that year.
- A reference of the resource agency permits and any subsequent letters of modification, as an appendix.
- A summary and analysis of the monitoring results, including an evaluation of site conditions in the context of the performance standards and success criteria, which include baseline monitoring results of the reference site in Year 1.
- A discussion of the monitoring results.
- Summary of the CRAM results in Year 1 and Year 5 reports.
- A wetland delineation report attached to the Year 5 monitoring report.
- Management recommendations, including discussion of areas with inadequate performance and recommendations for remedial action.

³ Final 2015 Regional Compensatory Mitigation and Monitoring Guidelines for South Pacific Division USACE.
Mitigation and Monitoring Plan
HBAM Project

- A discussion of modifications made to the monitoring methods.
- A discussion of the previous year's maintenance efforts.
- Photo documentation and maps of photo points of the mitigation site and reference site.

4.4 Remedial Actions and Adaptive Management

If the monitoring results indicate that the performance criteria are not being met, the Mitigation Specialist and project Biologist will assess the potential reasons for the criteria not being met and will develop adaptive management strategies. If the success criteria are not met in Year 5, Caltrans will coordinate with the permitting Agencies to discuss the success criteria issues and to develop a plan to resolve the issues. All remedial or adaptive management measures will be documented in the monitoring reports.

Chapter 5. References

- Baldwin, B. G., D. H. Goldman, D. J. Keil, R. Patterson, T. J. Rosatti, D. H. Wilken (eds). 2012. *The Jepson Manual: Vascular Plants of California, Second Edition*. Berkeley, CA: University of California Press, Berkeley.
- California Department of Fish and Wildlife (CDFW). 2018. *California's Invaders: American Bullfrog (*Lithobates catesbeianus*)*. Accessed on April 5, 2019 at: <https://www.wildlife.ca.gov/Conservation/Invasives/Species/Bullfrog>
- California Department of Transportation (Caltrans). 2016a. *Humboldt Bay Area Mitigation Concept Design Report*. January 2016.
- California Department of Transportation (Caltrans). 2016b. *Revised Natural Environment Study (NES) for the Eureka-Arcata Route 101 Corridor Improvement Project*. Revised April 2016.
- California Department of Transportation (Caltrans). 2016c. *Eureka-Arcata Route 101 Corridor Improvement Project Final Environmental Impact Report/Statement*. December 2016.
- California Department of Transportation (Caltrans). 2018. *Caltrans Eureka-Arcata Corridor Project Highway Planting and Erosion Control Plan*. August 2018.
- California Department of Transportation (Caltrans). 2018. *Caltrans Eureka-Arcata Corridor Project On-Site Mitigation and Monitoring Plan*. January 2019.
- Cowardin, L. M., 1979. *Classification of Wetlands and Deepwater Habitats in the United States*. U. S. Department of the Interior, Fish and Wildlife Service.
- International Union for Conservation of Nature (IUCN). 2019. *Rana aurora*. Accessed on April 5, 2019 at: <https://www.iucnredlist.org/species/58553/78906924>
- Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. *The National Wetland Plant List: 2016 wetland ratings*. Phytoneuron 2016-30: 1–17.
- San Francisco Estuary Insititute. 2019. *California Rapid Assessment Method*. Accessed on April 24, 2019 at: <https://www.cramwetlands.org/>

Sawyer, J. O., T. Keeler-Wolf, J. M. Evens. 2009. *Manual of California Vegetation. Second Edition*. California Plant Native Society Press, Sacramento, CA.

Thunhorst, G.A., 1993. *Wetland Planting Guide for the Northeastern United States-Plants for Wetland Creation, Restoration, and Enhancement*. Environmental Concern, St. Michaels, MD.

US Army Corps of Engineers. 2012. *National Wetlands Plant List Indicator Rating Definitions*

US Army Corps of Engineers. 2016. *Wetland Plant List for the Western Mountains, Valleys and Coast*

USDA-NRCS (US Department of Agriculture – Natural Resource Conservation Service). 2014. Web Soil Survey. Retrieved April 3, 2019 from <http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>.

Appendix A: Project Maps

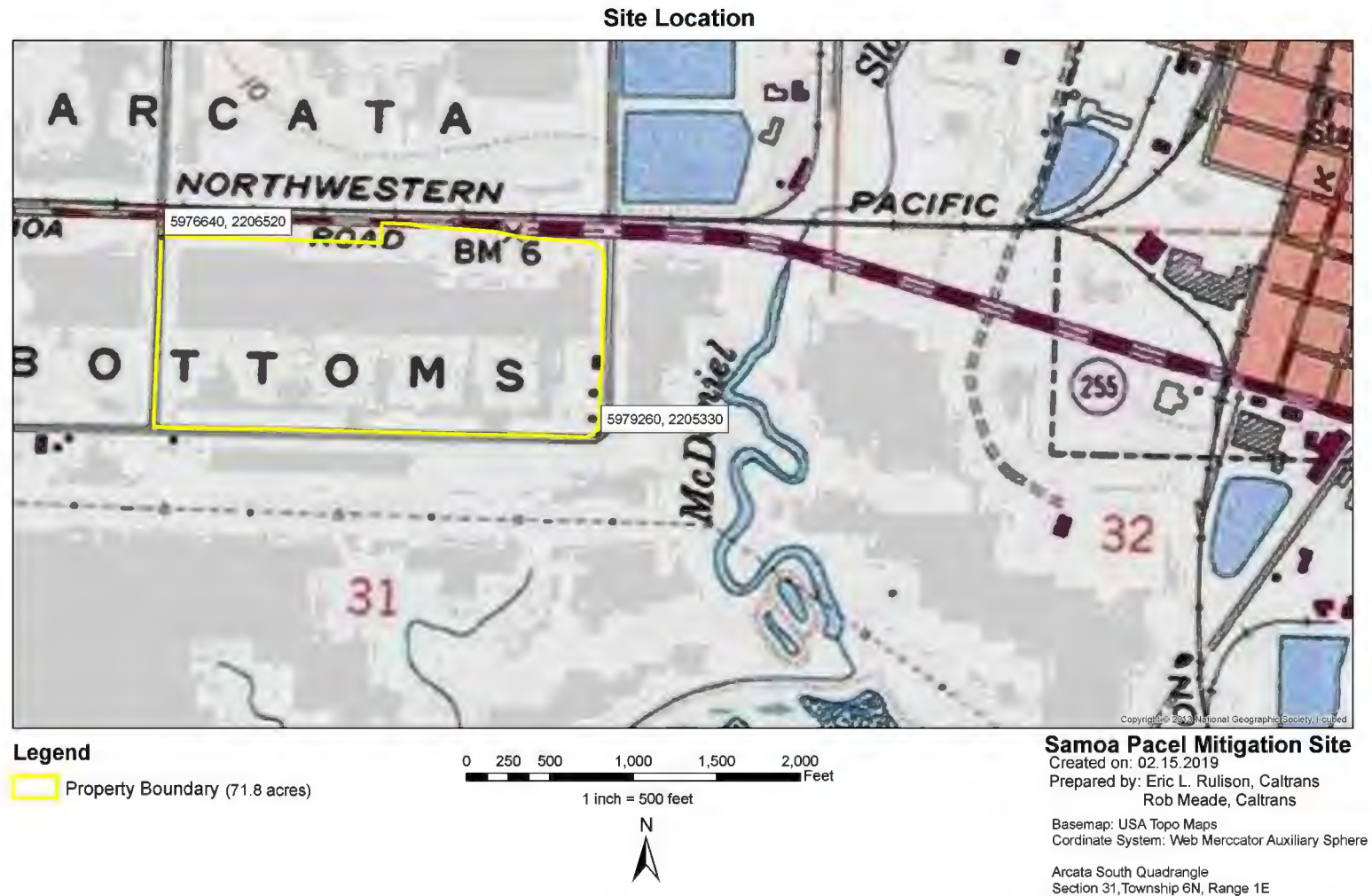


Figure A-1: Overview Map of the Project Area.

Mitigation and Monitoring Plan
 HBAM Project

April 2019
 21

01-HUM-255
Mitigation for Eureka - Arcata Corridor
Samoa Parcel
Proposed Wetland Creation/ Enhancements

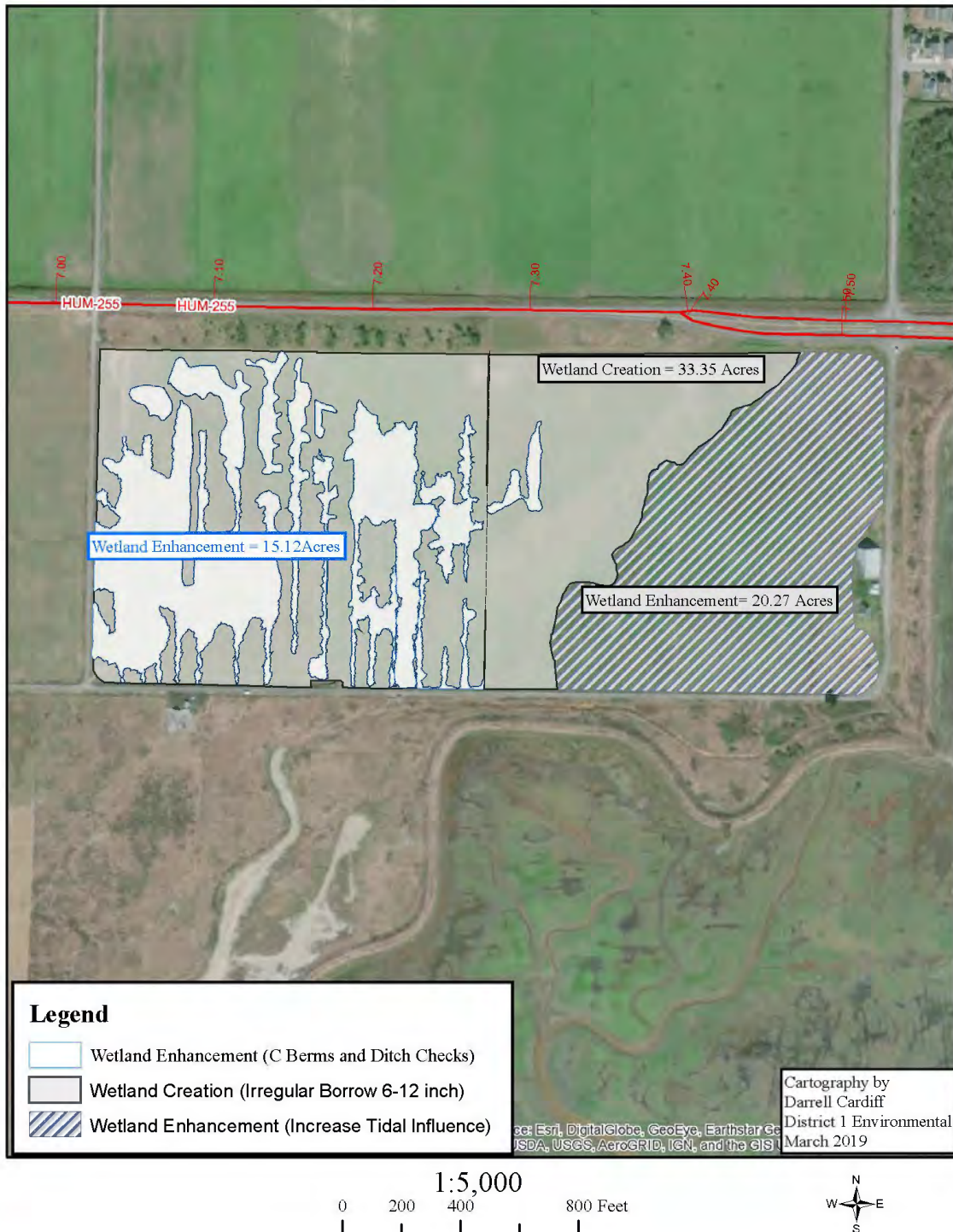


Figure A-2: Map Showing Wetland Establishment and Enhancement Areas.

Appendix B: Planting Palette

Common Name	Scientific Name	ACOE Wetland Plant Rating
Shrubs and Trees		
coastal willow	<i>Salix hookeriana</i>	FACW
Wax myrtle	<i>Morella californica</i>	FACW
Herbs		
Common rush	<i>Juncus effusus</i>	FACW
Spreading rush	<i>Juncus patens</i>	FACW
Tall flat sedge	<i>Cyperus eragrostis</i>	FACW
tufted hairgrass	<i>Deschampsia cespitosa</i>	FACW
Meadow barley	<i>Hordeum brachyantherum</i>	FACW
Pacific silverweed	<i>Potentilla anserina ssp. pacifica</i>	OBL
Common spike rush	<i>Eleocharis macrostachya</i>	OBL

Appendix C: Project Pre-Construction Photos



Photo C-1. View of the Samoa Parcel from the road along the south end of the site looking east. Date of Photo: March 29, 2019.



Photo C-2. View of the freshwater wetlands and ditch at the Samoa Parcel from the road along the south end of the site looking east. Date of Photo: March 29, 2019.



Photo C-3. View of a freshwater wet ditch at the Samoa Parcel from the road along the south end of the site looking west. Date of Photo: March 29, 2019.



Photo C-4. View of the estuarian wet ditch that flows from the leaky tide gate to the south at the Samoa Parcel from the road along the south end of the site looking northeast. Date of Photo: March 29, 2019.

**HUMBOLDT BAY HARBOR, RECREATION
AND CONSERVATION DISTRICT**

RESOLUTION NO. 2019-06

**A RESOLUTION ESTABLISHING FINDINGS RELATIVE TO THE PERMIT
APPLICATION BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION FOR
WORK ASSOCIATED WITH THE EUREKA-ARCATA ROUTE 101 CORRIDOR
IMPROVEMENT PROJECT**

WHEREAS, the Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District is empowered by Appendix II of the Harbors and Navigation Code, and its own ordinances and resolutions, to grant permits, leases, rights, and privileges; and,

WHEREAS, no permits, rights, leases, and privileges may be granted without first having considered certain potential impacts and without first having made findings relative to said impacts; and,

WHEREAS, the California Department of Transportation has applied to the Humboldt Bay Harbor, Recreation, and Conservation District for the portions of the Eureka-Arcata Route 101 Corridor Improvement Project ("Project") consisting of the replacement of the southbound Jacoby Creek Bridge, bridge rail upgrades at the northbound Jacoby Creek Bridge and northbound Gannon Slough Bridge, and replacement of six (6) tide gates; and,

WHEREAS the California Environmental Quality Act of 1970, as amended (CEQA) requires that in the approval of a project for which an Environmental Impact Report (EIR) has been prepared (SCH #2001092035) the decision making body shall review said EIR and make certain findings regarding the significant effects on the environment identified in the EIR; and

WHEREAS, the Project was subject of an Environmental Impact Report prepared by the California Department of Transportation as the lead agency under CEQA and that Final EIR was certified by the California Department of Transportation; and

WHEREAS the Board of Commissioners does hereby certify that acting as a responsible agency for the Project under CEQA it has considered the information contained in such Final EIR; and,

WHEREAS, the Final EIR for the Project is, by this reference, incorporated into this Resolution as if fully set forth herein;

WHEREAS, the Board of Commissioners of the Humboldt Bay Harbor, Recreation, and Conservation District has been presented with certain evidence relating to the impact of the Eureka-Arcata Route 101 Corridor Improvement Project upon the air, land, environment, and ecology of the Bay under the jurisdiction of the Humboldt Bay Harbor, Recreation, and Conservation District.

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District has found the following to be true and adopts the following findings with respect to the proposed use contemplated by the California Department of Transportation in the Permit Application No. 2018-01 for Work Associated with the Eureka-Arcata Route 101 Corridor Improvement Project:

1. The proposed use is necessary to promote public safety, health, comfort, and convenience; and,
2. The proposed use is required by the public convenience and necessity; and,
3. The proposed use, as conditioned is consistent with CEQA; and
4. The proposed use will have a significant effect on the environment, Findings were made pursuant to the provisions of CEQA and a Statement of Overriding Considerations has been adopted for the project; and
5. The proposed use is consistent with the Humboldt Bay Management Plan; and,
6. The proposed use is reasonably required to promote growth, and to meet area demands; and,
7. The proposed use will not produce an unreasonable burden on the natural resources and aesthetics of the area, on the public health and safety, and air and water quality in the vicinity of Humboldt Bay, or on the parks, recreation and scenic area, historic sites and buildings, or archeological sites in the area.

PASSED AND ADOPTED by the Humboldt Bay Harbor, Recreation and Conservation District Board of Commissioners at a duly called meeting held on the 23rd day of May 2019, by the following polled vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

**GREG DALE, President
Board of Commissioners**

ATTEST:

**LARRY DOSS, Secretary
Board of Commissioners**

CERTIFICATE OF SECRETARY

The undersigned, duly qualified and acting Secretary of the HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT, does hereby certify that the attached Resolution is a true and correct copy of RESOLUTION NO. 2019-06 entitled,

**A RESOLUTION ESTABLISHING FINDINGS RELATIVE TO THE PERMIT
APPLICATION BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION FOR
WORK ASSOCIATED WITH THE EUREKA-ARCATA ROUTE 101 CORRIDOR
IMPROVEMENT PROJECT**

as regularly adopted at a legally convened meeting of the Board of Commissioners of the HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT, duly held on the 23rd day of May 2019; and further, that such Resolution has been fully recorded in the Journal of Proceedings in my office, and is in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this 23rd day of May, 2019.

LARRY DOSS, Secretary
Board of Commissioners

COMMISSIONERS

1st Division

Larry Doss

2nd Division

Greg Dale

3rd Division

Stephen Kullmann

4th Division

Richard Marks

5th Division

Patrick Higgins

Humboldt Bay
Harbor, Recreation and Conservation District
(707) 443-0801
P.O. Box 1030
Eureka, California 95502-1030



STAFF REPORT – HARBOR DISTRICT MEETING

May 23, 2019

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

PREPARED BY: Bernadette Clueit, Harbor Specialist III

TITLE: Consideration of Granting to the California Department of Transportation Permit 2018-01 for Work Associated with the Eureka-Arcata Route 101 Corridor Improvement Project.

STAFF RECOMMENDATION: Staff recommends the Board: Grant Permit 2018-01 to the California Department of Transportation.

BACKGROUND: The proposed Permit 2018-01 would allow the California Department of Transportation to proceed with work associated with the Eureka-Arcata Route 101 Corridor Improvement Project consisting of the replacement of the southbound Jacoby Creek bridge, bridge rail upgrades at Northbound Jacoby Creek Bridge and Northbound Gannon Slough Bridge, and replacement of six (6) tide gates between post miles 79.9 and 86.3.

ATTACHMENTS:

A. Permit 2018-01

**HUMBOLDT BAY HARBOR, RECREATION
AND CONSERVATION DISTRICT**

PERMIT

Permit No. 2018-01

**601 Startare Drive
Woodley Island Marina
P.O. Box 1030
Eureka, CA 95502-1030**

Permittee:

**California Department of Transportation
Jeff Pimentel
1656 Union Street
Eureka, CA 95501**

The Board of Commissioners of the **Humboldt Bay Harbor, Recreation and Conservation District** hereinafter referred to as “**District**”, having considered the Application herein, number 2018-01, filed by the California Department of Transportation, hereinafter referred to as “**Permittee**”, and the **California Department of Transportation** as the lead agency, pursuant to the California Environmental Quality Act of 1970, as amended, having made a determination certifying the Environmental Impact Report (SCH #2001092035) and the Board of Commissioners of the **District** having on May 23, 2019, passed Resolution No. 2019-06 establishing findings relative to the Application by **Permittee** for work associated with the Eureka-Arcata Route 101 Corridor Improvement Project as provided for in this Permit, the **Permittee** is hereby authorized to perform the work as more particularly described in the Application filed with the **District** and the Environmental Impact Report referred to above.

You are hereby authorized to conduct that activity described in the Permit Application of **Permittee** consisting of:

Eureka-Arcata Route 101 Corridor Improvement Project – replacement of the southbound Jacoby Creek Bridge, bridge rail upgrades at northbound Jacoby Creek Bridge and northbound Gannon Slough Bridge, and replacement of six (6) tide gates, more particularly described in the Application filed by **Permittee**.

That the location of the proposed activity shall be in Humboldt County, California, Route 101 Post Miles 79.9 to 86.3.

SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

1. If the **Permittee** materially changes the activity plan and scope, it will be necessary to request a permit revision.
2. That all work authorized by this Permit shall further be subject to the approval of the following public agencies:
 - A. United States Army Corps of Engineers
 - B. North Coast Regional Water Quality Control Board

- C. California Coastal Commission
- D. United States Coast Guard
- E. California Department of Fish and Wildlife

and **Permittee** shall fully comply with all regulations and conditions affecting such work as imposed by the above agencies.

3. That the mitigation measures described in the Final Environmental Impact Report for the Eureka-Arcata Route 101 Corridor Improvement Project are made conditions of this permit by reference.
4. That PRIOR TO INITIATION OF DEVELOPMENT, the **Permittee** shall submit, for **District** review and written approval, a detailed mitigation plan consistent with the Project's Final Environmental Impact Report.
5. Any in-water work requires a Spill Prevention, Control and Countermeasure (SPCC) plan. Spill kits with appropriate contents will be maintained at the project site. Kits shall be equipped with enough material to provide preliminary containment for a volume of material that can reasonably be expected to spill. Booms will be available to contain spilled materials.
6. All appropriate erosion control measures and standard best management practices will be used as necessary to minimize bank erosion, sediment input and water turbidity.
7. All construction debris shall be removed from the site and disposed of only at an authorized disposal site. Sidecasting of such material or placement of any such material within Humboldt Bay or any wetland area is prohibited.
8. If archeological or cultural features or materials are unearthed during any phase of project activity, all work in the immediate vicinity of the find shall halt until the **Permittee** has contacted the Wiyot Tribe's Cultural Department, and the significance of the resource has been evaluated, to the satisfaction of the Wiyot Tribe. Any mitigation measures that may be deemed necessary will be provided to the Wiyot Cultural Director for review and input to ensure they are consistent with the standards for cultural resource mitigation particularly in cooperation with Native American tribal representatives and the California State Native American Heritage Commission. Mitigation measures shall be implemented by a qualified archeologist representing the **Permittee** prior to resumption of construction activities. If human remains are exposed by project related activity, the **Permittee** shall comply with California State Health and Safety Code, §7050.5, which states that no further disturbance shall occur until the County Coroner has made the necessary findings as to the origin and disposition pursuant to California Public Resources Code, §5097.98.
9. That there shall be no unreasonable interference with navigation by the work herein authorized.
10. That no attempt shall be made by the **Permittee** to interfere or forbid the full and free use by the public of all navigable waters at or adjacent to the work.

11. That **Permittee** shall furnish to the **District** a written annual progress report by December 31st of each year, and upon completion, a written completion report describing the completion of the project.
12. That the **District**, its Commissioners, or any officer or employee of the **District** shall in no case be liable for any damages or injury of the work herein authorized which may be caused by or result from future operations undertaken by the **District** for the conservation or improvement of navigation, or for other purposes, and no claim or right to compensation shall accrue from any such damage.
13. That neither the **District**, nor its Board of Commissioners, nor any officer of the **District** shall be liable to any extent for any such injury or damage to any person or property or for the death of any person arising out of or connected with the work authorized by this Permit.
14. That the **Permittee** shall comply with any regulations, condition, or instructions affecting the work hereby authorized if and when issued by the Federal Water Pollution Control Administration and/or the State of California Water Resources Control Agency having jurisdiction to abate or prevent water pollution. Such regulations, conditions, or instruction in effect or prescribed by Federal or State Agencies are hereby made a condition of this Permit.
15. That as a condition to the issuance of this Permit, **Permittee** agrees to indemnify and hold harmless **District** from and against any and all liability, loss, or damage **District** may suffer from claims and demands for attorneys' fees, costs of suit, and costs of administrative records made against **District** by any and all third parties as a result of third party environmental actions against **District** arising out of the subject matter of this Permit, including, but not limited to attorneys' fees, costs of suit, and costs of administrative records pursuant to the California Code of Civil Procedure §1021.5 or any other applicable local, state or federal laws, whether such attorneys' fees, costs of suit, and costs of administrative records are direct or indirect, or incurred in the compromise, attempted compromise, trial appeal or arbitration of claims for attorneys' fees, costs of suit, and costs of administrative records in connection with the subject matter of this Permit.
16. That the Board of Commissioners of the **District** may revoke this Permit at any time upon a finding by the **District** of a violation by the **Permittee** of any condition of this Permit.
17. That this Permit, if not previously revoked or specifically extended, shall cease and be null and void and terminate on the **22nd day of May 2020**. If **Permittee** cannot complete the work within the time granted by this Permit, an application for extension must be filed prior to the Permit termination date. This Permit may be extended in annual increments for up to a total of nine (9) years at the discretion of the District.
18. That this Permit is valid as of the 23rd day of May 2019 and is made subject to the **Permittee** approving and agreeing to the conditions above set forth and executing said approval as hereinafter provided.

COMMISSIONERS

1st Division

Larry Doss

2nd Division

Greg Dale

3rd Division

Stephen Kullmann

4th Division

Richard Marks

5th Division

Patrick Higgins

Humboldt Bay
Harbor, Recreation and Conservation District
 (707) 443-0801
 P.O. Box 1030
 Eureka, California 95502-1030

**STAFF REPORT – HARBOR DISTRICT MEETING****May 23, 2019**

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

PREPARED BY: Bernadette Clueit, Harbor Specialist III

TITLE: Consideration of Resolution 2019-07, A Resolution to Authorize the Execution of a Grant Agreement and Accept Funds from the California Department of Fish and Wildlife for Secretariat Services for the Harbor Safety Committee of the Humboldt Bay Area for Fiscal Year 2019-2020

RECOMMENDATION: Staff recommends the Board: Adopt Resolution 2019-07.

BACKGROUND: The California Department of Fish and Wildlife (CDFW) Office of Spill Prevention and Response (OSPR) in compliance with the Lempert-Keene-Seastrand Oil Spill Prevention and Response Act of 1990 established five regional Harbor Safety Committees (HSC) throughout California as described in California Government Code 8670.23. Each HSC is responsible for planning for the safe navigation and operation of tankers, barges and other vessels within each of California's major harbors, and must produce an annual Harbor Safety Plan (HSP) encompassing all vessel traffic within the harbor. These functions are essential to the consistent achievement of maritime safety and the prevention of major marine oil pollution incidents.

To ensure that HSCs have the necessary resources to execute their designated duties, the OSPR Administrator has made grant funds available in each region to provide an executive secretariat to act as the coordinator for facilitating all communications between HSCs, subcommittees, and the OSPR. The CDFW has approved the Humboldt Bay Harbor, Recreation and Conservation District to conduct the Secretariat Services for the HSC of the Humboldt Bay Area, and to receive payment for these services.

DISCUSSION: Secretariat activities are performed continuously on an annual basis, and mainly consist of facilitating and hosting bi-monthly HSC meetings; Administrative support to the HSC; and editing, publication, and distribution of the annual Humboldt Bay HSP. The maximum reimbursement for the performance of all duties required by the agreement is \$21,274 per fiscal year. No matching funds are required.

ATTACHMENTS:

- A. Resolution 2019-07
- B. Secretariat Grant Agreement

EXECUTED on this 23rd day of May 2019, by authority of the Board of Commissioners of the **Humboldt Bay Harbor, Recreation and Conservation District**.

GREG DALE, President
Board of Commissioners
Humboldt Bay Harbor, Recreation and Conservation
District

The California Department of Transportation, **Permittee**, in the above Permit, hereby accepts and agrees to all of the conditions hereinabove set forth. **Permittee** shall indemnify and hold harmless the **District**, its Board of Commissioners, officers and employees from any and all claims of any nature arising from the performance of and work of improvement contained in the Application for injury, death or damage to any person or property.

The California Department of Transportation, **Permittee**, in the above Permit, agrees to indemnify and hold harmless **District**, its Board of Commissioners, officers and employees from and against any and all liability, loss or damage **District** may suffer from claims and demands from attorneys' fees; costs of suit and costs of administrative records made against **District** by any and all third parties as a result of third party environmental actions against **District** arising out of the subject matter of this Permit including, but not limited to, attorneys' fees, costs of suit and costs of administrative records pursuant to the California Code of Civil Procedure §1021.5 or any other applicable local, state or federal laws, whether such attorneys fees, costs of suit and costs of administrative records are direct or indirect, or incurred in the compromise, attempted compromise, trial, appeal or arbitration of claims for attorneys' fees, costs of suit and costs of administrative records in connection with the subject matter of this Permit.

Dated: _____

Name:

Title:

California Department of Transportation

**HUMBOLDT BAY HARBOR, RECREATION
AND CONSERVATION DISTRICT**

RESOLUTION NO. 2019-07

**A RESOLUTION TO AUTHORIZE THE EXECUTION OF A GRANT AGREEMENT
AND ACCEPT FUNDS FROM THE CALIFORNIA DEPARTMENT OF FISH AND
WILDLIFE FOR SECRETARIAT SERVICES FOR THE HARBOR SAFETY
COMMITTEE OF THE HUMBOLDT BAY AREA FOR FISCAL YEAR 2019-2020**

WHEREAS, the People of the State of California have enacted the Lempert-Keene-Seastrand Oil Spill Prevention and Response Act of 1990 covering all aspects of marine oil spill prevention and response in California. The provisions of the Act are implemented by the Administrator who heads the Office of Spill Prevention and Response; and

WHEREAS, California Government Code section 8670.23 directs the Administrator to establish a Harbor Safety Committee for the Humboldt Bay Area; and

WHEREAS, The Administrator has made grant funds available to provide an executive secretariat to ensure that Harbor Safety Committees have all resources necessary to execute their designated duties; and

WHEREAS, the Humboldt Bay Harbor, Recreation and Conservation District is the Port Authority for Humboldt Bay and is a member of the Harbor Safety Committee of the Humboldt Bay Area; and

WHEREAS, the Humboldt Bay Harbor, Recreation and Conservation District, as a qualified local government agency, validly existing and in good standing under the laws of California, applied to the California Department of Fish and Wildlife to conduct Secretariat Services for the Harbor Safety Committee of the Humboldt Bay Area; and

WHEREAS, the California Department of Fish and Wildlife has approved the Humboldt Bay Harbor, Recreation and Conservation District to conduct the Secretariat Services for the Harbor Safety Committee of the Humboldt Bay Area and to receive payment for said services; and

WHEREAS, the California Department of Fish and Wildlife requires a Resolution from the Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District approving and authorizing the financial assistance of the Secretariat Grant Agreement.

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District hereby:

1. Accepts the award of a Harbor Safety Committee Secretariat Services Grant in the amount of \$21,274.00 from the California Department of Fish and Wildlife Office of Spill Prevention and Response; and

2. Certifies that the Humboldt Bay Harbor, Recreation and Conservation District has reviewed, understands, and agrees to the provisions contained in the grant agreement; and
3. Delegates the authority to the Executive Director, or his/her designee, to execute the grant agreement and any subsequent amendments with the State of California for the purposes of this grant, and to execute all other documents needed in connection with the Secretariat Services Grant Program.

PASSED AND ADOPTED by the Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District at a duly called meeting held on the 23rd day of May 2019, by the following polled vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

**GREG DALE, President
Board of Commissioners**

ATTEST:

**LARRY DOSS, Secretary
Board of Commissioners**

CERTIFICATE OF SECRETARY

The undersigned, duly qualified and acting Secretary of the HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT, does hereby certify that the attached Resolution is a true and correct copy of RESOLUTION NO. 2019-07 entitled,

**A RESOLUTION TO AUTHORIZE THE EXECUTION OF A GRANT AGREEMENT
AND ACCEPT FUNDS FROM THE CALIFORNIA DEPARTMENT OF FISH AND
WILDLIFE FOR SECRETARIAT SERVICES FOR THE HARBOR SAFETY
COMMITTEE OF THE HUMBOLDT BAY AREA FOR FISCAL YEAR 2019-2020**

as regularly adopted at a legally convened meeting of the Board of Commissioners of the HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT, duly held on the 23rd day of May 2019; and further, that such Resolution has been fully recorded in the Journal of Proceedings in my office, and is in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this 23rd day of May 2019.

LARRY DOSS, Secretary
Board of Commissioners



April 30, 2019

Larry Oetker
Humboldt Bay Harbor, Rec & Conservation Dist
P.O. box 1030
Eureka, CA 95502

Re: P1975058 00 HARBOR SAFETY COMMITTEE SECRETARIAT SERVICES - HUMBOLDT BAY

For your review and signature, we are pleased to email the following attached electronic files for the above-referenced Grant Agreement:

- ☒ **Grant Agreement**
Please print, sign and date one copy of the signature page of the Grant Agreement and submit through email.
- ☐ **Payment Data Record Form (STD 204)**
Please complete the form with your information.

In addition, the following checked items may also need to be included:

- ☒ **Acknowledgement of Work Commencement Authorization Disclaimer**
Please print, sign and date one copy of the "Acknowledgment Disclaimer" and submit through email.
- ☒ **Copy of the Authorizing Resolution approving and authorizing the financial assistance.**
- ☐ A completed and signed Federal Funding Accountability and Transparency Act, **FFATA 2006 Contractor Certification Form (DFW 868)**. Necessary for any Grant Agreements funded by federal financial assistance.

If not emailing, please either mail or hand deliver the above-referenced documents to the address below within five working days to facilitate the final execution of the grant agreement by CDFW:

For hand deliveries, FedEx and UPS:
California Department of Fish and Wildlife
Payable Grants Section
1831 Ninth Street
Sacramento, CA 95811

For U.S. Postal Service delivery:
California Department of Fish and Wildlife
Payable Grants Section
PO Box 944209
Sacramento, CA 94244-2090

If you find that changes must be made to the Grant Agreement prior to your signature, please contact your Grant Manager listed below for direction.

Once Payable Grants Section receives the signed and required completed documentation, CDFW will execute the Grant Agreement and return by email a complete signed document for your file. Please note that the Grant Agreement will not be effective until fully executed by CDFW. Questions regarding the services to be performed under this Grant Agreement should be directed to the CDFW Grant Manager Reuben Macaspac at (916) 324-0144.

Sincerely,

Patricia Jackson
Payable Grant Analyst

Enclosure(s)
c: File, Suspense
OSPR Reuben Macaspac
OSPR Julia-Malia Olea



April 30, 2019

Larry Oetker

Humboldt Bay Harbor, Rec & Conservation Dist

P.O. box 1030

Eureka, CA 95502

Re: Q1975058 HARBOR SAFETY COMMITTEE SECRETARIAT SERVICES - HUMBOLDT BAY

ACKNOWLEDGEMENT OF WORK COMMENCEMENT AUTHORIZATION DISCLAIMER

Where approval from the California Department of Fish and Wildlife (CDFW) applies, the attached payable grant shall be of no force or effect until it is signed by both parties (CDFW and grantee). The signing of this payable grant by your organization does not authorize the commencement of work.

By signing this letter, your organization acknowledges and agrees not to begin work until all approvals have been obtained, the payable grant has been fully executed, and the grantee has been given authorization to begin work. Should any work begin before all approvals are obtained or authorization is given, services will be considered voluntary.

Please be advised that failure to sign and return this letter will delay approval of your payable grant.


Authorized Signature

5/7/19
Date

Larry Oetker Executive Director
Printed Name and Title of Person Signing



State of California - Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
P.O. Box 944209
Sacramento, CA 94244-2090
www.wildlife.ca.gov

GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director



**OFFICE OF SPILL PREVENTION AND RESPONSE
HARBOR SAFETY COMMITTEE SECRETARIAT SERVICES GRANT PROGRAM
HUMBOLDT BAY
GRANT AGREEMENT NUMBER – Q1975058**

GRANTOR: State of California, acting by and through
The California Department of Fish and Wildlife
P.O. Box 944209
Sacramento, CA 94244-2090

GRANTEE: Humboldt Bay Harbor
Recreation and Conservation District
P.O. Box 1030
Eureka, CA 95502-1030

SECTION 1 - LEGAL BASIS OF AWARD

Pursuant to State of California Budget Act, Chapter 14, Item 3600-101-0320, the California Department of Fish and Wildlife (Grantor or CDFW), and in compliance with the Oil Spill Prevention and Response Act of 1990 as described in California Government Code 8670.23, the Office of Spill Prevention and Response (OSPR) Administrator is authorized to enter into a Grant Agreement (Agreement) and to make an award to the Humboldt Bay Harbor (Grantee) for the purposes set forth herein. Grantee accepts the grant on the terms and conditions of this Agreement. Accordingly, Grantor and Grantee (Parties) hereby agree as follows:

SECTION 2 - GRANT AWARD

2.01 Grant: In accordance with the terms and conditions of this Agreement, including Section 5.06 – General Terms and Conditions, Grantor shall provide Grantee with a maximum of \$21,274.00 (Grant Funds) to financially support and assist Grantee's implementation of Harbor Safety Committee Secretariat Services, Humboldt Bay (Project).

2.02 Term: The term of this agreement is July 01, 2019, or upon Grantor approval, whichever is later, through June 30, 2020.

SECTION 3 – ELIGIBLE USES OF GRANT

Only Grantee expenditures that are necessary to implement the Project, comply with applicable federal and State of California law, and made in accordance with Section 6 - Project Statement and Section 9 - Budget and Payment as set forth within this Agreement are eligible for reimbursement from the Grant Funds.

SECTION 4 - GRANTEE'S REPRESENTATIONS AND WARRANTIES

Grantee represents and warrants to Grantor as follows:

- 4.01 Existence and Power:** Grantee is a governmental entity, validly existing, and in good standing under the laws of California. Grantee has full power and authority to transact the business in which it is engaged and full power, authority, and legal right to execute and deliver this Agreement and incur and perform its obligations hereunder.
- 4.02 Binding Obligation:** This Agreement has been duly authorized, executed and delivered on behalf of Grantee and constitutes the legal, valid, and binding obligation of Grantee, enforceable in accordance with the Agreement's terms.

SECTION 5 - GRANTEE'S AGREEMENTS

- 5.01 Purpose:** This Agreement is entered into by the Parties for the purpose of providing financial support to Grantee to complete the Project, specifically the activities identified within Section 6 - Project Statement.
- 5.02 Project:** Grantee shall complete activities as set forth in Section 6 - Project Statement.
- 5.03 Use of Project Funds:** Grantee agrees that only Grantee expenditures that are necessary to implement the Project, comply with applicable federal and State of California law, and made in accordance with Section 6 - Project Statement and Section 9 - Budget and Payment as set forth within this Agreement are eligible for reimbursement from the Grant Funds. Grantee acknowledges that it may not transfer Grant Funds between or among budget line items without written approval from CDFW Grant Manager in accordance with Section 9 – Budget and Payment.
- 5.04 Payment Schedule:** Payments shall be made to Grantee according to the payment and report schedule identified in Section 8 - Expenditure Summary.
- 5.05 Eligibility of Funds:** In the event that the California Budget Act does not provide sufficient appropriations to allow Grantor to fund the Project at the level specified in Section 2 – Grant Award and Section 9 – Budget and Payment of this Agreement, the Grantor reserves the right to modify this Agreement to reflect a reduction in available funds, as an alternative to termination.
- 5.06 Submission of Reports:** Grantee shall comply with the format, content, and timing requirements set out in Section 8 – Reports. Failure to submit timely and accurate reports shall be considered evidence of non-compliance with this Agreement and shall permit termination of this Agreement by Grantor.

- 5.07 **General Terms and Conditions:** Public Entities General Grant Provisions (Exhibit 1.a) is attached hereto and made a part of this Agreement.
- 5.08 **Amendments:** This Agreement may only be amended in accordance with Section 5.07 – General Terms and Conditions. Grantee shall submit any request to amend any term of this Agreement in writing to CDFW Grant Manager no later than 120 days prior to the end of the term of this Agreement. Grantee must include an explanation of and justification for any such request.
- 5.09 **Acknowledgement of Credit:** Grantee shall include signage, to the extent practicable, informing the public that the Project received funds through the CDFW from the Harbor Safety Committee Secretariat Services Grant Program.
- 5.10 **Labor Code Requirements; Prevailing Wage:** State grants may be subject to California Labor Code requirements, which include prevailing wage provisions. Certain State grants administered by the CDFW are not subject to Chapter 1 (commencing with Section 1720) of Part 7 of Division 2 of the Labor Code. For more details, please refer to California Fish and Game Code Section 1501.5 and the Department of Industrial Relations (DIR) website at <http://www.dir.ca.gov>. The Grantee shall pay prevailing wage to all persons employed in the performance of any part of the Project if required by law to do so.

SECTION 6 - PROJECT STATEMENT

- 6.01 **Introduction:** Each Harbor Safety Committee (HSC) is responsible for planning for the safe navigation and operation of tankers, barges and other vessels within each of California's major harbors and producing an annual harbor safety plan (HSP). This function is considered to be essential to the consistent achievement of maritime safety and the prevention of major marine oil pollution incidents.
- 6.02 **Objectives:** To ensure the HSCs are able to execute their designated duties, the OSPR Administrator has entered into grant Agreements in each region to provide an executive secretariat which will act as the coordinator for facilitating all communications between the HSC, subcommittees, and the OSPR regarding the editing, publication and distribution of the annual Humboldt Bay HSP.

The activities are performed continuously on an annual basis.

- 6.03 **Project Description:** Grantee will manage the Project as described below:

The Program Administrator will serve as coordinator for setting up full and subcommittee meetings of the Humboldt HSC. Grantee will facilitate these meetings, as well as facilitate communications between the HSC, its subcommittees, interested parties and the OSPR.

HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT

Administrative Support will complete the various administrative tasks such as: taking meeting minutes, maintain databases, mailings, posting of notices and safety plan distribution.

- 6.04 Location:** Activities and meetings will primarily take place in the administration building in on Woodley Island in Eureka, Humboldt County, California (Property).
- 6.05 Materials and Equipment:** All materials (e.g. office supplies, notices, pamphlets, bulletins, harbor safety plans, etc.) necessary for the HSC will be furnished by Grantee and procured with funding provided by Grantor.
- 6.06 Project Implementation:** Consistent with Grantee's proposal for the Project, Grantee will complete the following tasks in accordance with Section 6.07 – Schedule of Due Dates and/or Deliverables:

TASK 1 - Project Management and Administration: All aspects of project will be overseen by the Grantee Program Administrator. Grantee will provide technical and administrative services associated with performing and completing the work for this Project, including managing this Agreement, assuring all permits are finalized, administering subcontracts, invoicing and payments, drafting and finalizing progress and final reports, and data management.

TASK 2 - Secretariat Services: Provide secretariat services, along with associated expendable materials and supplies, to the HSC.

TASK 3 - HSC Meetings: Organize and make arrangements for bimonthly full HSC meetings, as well as any subcommittee or ad hoc committee meetings. All meetings and Committee business shall be conducted in accordance with the California Brown Act and Public Records Act, and the federal Americans with Disabilities Act.

TASK 4 - Database Maintenance: Maintain a complete database of all HSC members and alternates, agency liaisons, advisors, Chairs of the other four HSCs, and all parties who have attended a meeting or expressed interest in all of Committee's business. The Grantee may periodically purge the database by deleting parties who have requested to be removed. This HSC database will be used for all mail distributions, notifications and/or contacts.

TASK 5 - Meeting Schedule: Annually, prepare and circulate the current-year meeting schedule to all parties identified in in the HSC database.

TASK 6 - Meeting Attendance: Attend all full HSC meetings, as well as any subcommittee or ad hoc committee meetings. Prepare meeting agendas and minutes.

TASK 7 - Meeting Materials: Prepare and circulate meeting materials including, but not limited to; meeting notices, agendas, minutes, correspondence, announcements and handout materials. Meeting materials should be received by the parties identified in the HSC database at least five (5) working days prior to an upcoming meeting. In order to be in compliance with the Brown Act, in no case shall parties receive materials less than 72 hours prior to an upcoming meeting. Electronic communications may be used but requests for paper media must be accommodated.

TASK 8 - Meeting Information: Post HSC meeting announcements and agendas in a conspicuous publicly-accessible space at the offices of the Humboldt Bay Harbor, Recreation and Conservation District.

TASK 9 - Correspondence: Prepare and circulate correspondence as required by the Committee. At the Project Manager's request, circulate notices of Committee vacancies and any public hearings or workshops that OSPR may be conducting in the local area.

TASK 10 - Committee Roster: Maintain a current Committee roster (a subset of the HSC database) of all HSC members and alternates, agency liaisons and advisors. Provide a copy of the roster to all parties identified in the HSC database at least once a year or when significant changes occur.

TASK 12 - Record Maintenance: Store and maintain in an orderly manner a paper record of all meeting materials (as referenced above), HSC-generated documents, and any other materials which support Committee business or were provided at Committee meetings. This is the official Committee record which is deemed to be state property and shall be transferred to OSPR upon request by the Project Manager.

TASK 13 - HSC Database: Annually publish and circulate the current HSP as approved by the Committee, as well as any revisions of addendums, to all parties identified in the HSC database. Use of electronic media is acceptable but requests for paper copies must be accommodated.

TASK 14 - Bollard Pull Testing: Maintain copies of current bollard pull test certificates issued by the International Association of Classification Societies for tugboats which escort tank vessels in Humboldt Bay in accordance with state regulations.

TASK 15 - Media Contacts: Direct all media contacts for work performed under this agreement to OSPR's public information officer.

TASK 16 - Acknowledgement in the Media: Acknowledge the support of the State of California whenever publicizing the work under this agreement in any media form.

TASK 17 - Information Requests: Media and public requests for public documents, such as agendas and approved minutes, may be addressed directly by the Grantee.

6.07 Schedule of Due Dates and/or Deliverables:

<u>Task</u>	<u>Description</u>	<u>Deliverables</u>	<u>Estimated Completion Dates</u>
1	Project Administration and Management	Invoices	Monthly
		Progress Reports	Quarterly, Due within 30 days after each calendar quarter (March, June, September, December)
		Final Report	June 15, 2020
		Final Invoice	June 15, 2020
2 & 6	Meeting Attendance	Attend HSC meetings every other month on the third Thursday	July 2019, September 2019, November 2019, January 2020, March 2020, and May 2020
5	Meeting Schedule	Annually prepare and circulate HSC meeting schedule	June 15, 2020
7	Meeting Minutes	HSC meeting minutes shall be posted	No later than 14 days after each meeting
13	Humboldt Bay Area HSP	Prepare and submit Humboldt Bay Area HSP	June 15, 2020

SECTION 7 - CONTACTS

A point of contact may be changed at any time by either party by providing a 10 day advance written notice to the other party. The Parties hereby designate the following points of contact during the Term of this Agreement:

CDFW Grant Manager:		Grantee Project Manager:	
Name:	Ruben Macaspac	Name:	Larry Oetker
Title:	Oil Spill Prevention Specialist	Title:	Executive Director
Address:	1700 K Street, Suite 250 Sacramento, CA 95811	Address:	P.O. Box 1030 Eureka, CA 95502-1030
Phone:	(916) 324-0144	Phone:	(707) 443-0801
Email:	Rueben.macaspac@wildlife.ca.gov	Email:	Loetker@humboldtbay.org

Q1975058

HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT

Direct all administrative inquiries to:

CDFW Grant Coordinator:		Grantee Project Manager:	
Name:	Julia-Malia Olea	Name:	Larry Oetker
Title:	Contract/Grant Coordinator	Title:	Executive Director
Address:	1700 K Street, Suite 250 Sacramento, CA 95811	Address:	P.O. Box 1030 Eureka, CA 95502-1030
Phone:	(916) 327-9407	Phone:	(707) 443-0801
Email:	julia-malia.olea@wildlife.ca.gov	Email:	Loetker@humboldt看bay.org

SECTION 8 - REPORTS

- 8.01 Progress Reports:** Grantee shall submit quarterly Progress Reports that comply with the requirements below to CDFW Grant Manager. CDFW Grant Manager will provide Grantee with a sample Progress Report upon request.

Requirements: The Progress Reports will consist of one hard copy or one electronic PDF copy. The Progress Reports shall describe specific grant activities that are not captured in the meeting minutes such as: accomplishments achieved; problems and solutions; and any pertinent information that may become available to the HSC during the quarter. Since the grant is for one year, Progress Reports are required for the first three quarters only. The fourth quarter Progress Report will serve as the Final Report.

- 8.02 Final Report:** Grantee shall submit a Final Report that summarizes the life of this Agreement and describes the work and results pursuant to Section 6 - Project Statement and by the date listed in Section 6.07 – Schedule of Due Dates and/or Deliverables.

The Final Report will consist of one hard copy or one electronic PDF copy. As stated above, the fourth quarter Progress Report will serve as the final report. It shall contain all items required in the quarterly report as well as a brief summation of all project activities performed throughout the complete term of the grant.

SECTION 9 – BUDGET AND PAYMENT

- 9.01 Budget Details and Funding Summary:** Grantor will provide an amount not to exceed \$21,274.00 as detailed in the Line Item Budget Detail (Budget) below. Grantee or its partners will provide up to \$0 in funds or in-kind services as cost share to complete tasks described in Section 6 - Project Statement. Grantee will provide Grantor accurate records of all cost share with Grantee's Final Report.

Any changes or modifications to a fund source indicated below must be promptly reported to CDFW Grant Manager in writing.

Line Item Budget Detail	
A. PERSONNEL SERVICES	
Program Administrator (\$50hr/33hrs)	\$1,650.00
Administrative Support (\$30hr/350hrs)	\$10,500.00
Subtotal Personnel Services	\$12,150.00
Staff Benefits @ 25%	\$3,037.50
Total Personnel Services	\$15,187.50
B. OPERATING EXPENSES: GENERAL	
Field Supplies (Account for field supplies in Section 6.05)	\$4,651.50
Travel (Not to exceed State approved travel reimbursement rate)	\$1,000.00
Subtotal Operating Expenses: General	\$5,651.50
C. OPERATING EXPENSES: SUBCONTRACTORS	
HSC Website Maintenance (\$36.25/mo)	\$435.00
Subtotal Operating Expenses: Subcontractors	\$435.00
D. OPERATING EXPENSES: EQUIPMENT	
Subtotal Operating Expenses: Equipment	\$0
E. INDIRECT COSTS	
Indirect Charge Rate 0% (Applies to Sections A + B only)	\$0
F. GRAND TOTAL (A+B+C+D+E)	\$21,274.00

9.01.1 Prior Approval Requirements: The following changes require prior approval of CDFW Grant Manager, whether or not the change has a budgetary impact.

1. Change in Project Description;
2. Inclusion of restricted use data or copyrighted works in Deliverables;
3. Travel not included in the approved Budget;
4. Computer (or theft sensitive equipment) not included in the approved Budget; and
5. Equipment not included in the approved Budget.

9.01.2 Budget Revisions: Subject to the prior review and approval of the CDFW Grant Manager, informal Budget adjustments between existing line items may be permitted. Any revision to the Line Item Budget Detail must comply with Section 5.08 – Amendments. Considerations for informal Budget adjustments, if granted, must include:

1. Revisions which are consistent with the purpose, objectives, and description of the Project as detailed in Section 6 - Project Statement;
2. Revisions that do not increase or decrease the total Agreement amount;
3. Revisions that do not substitute key personnel; and

4. Line item shifts **within** a budget category (e.g. Personnel Services) of up to \$25,000 or 10% of the Agreement amount, whichever is less.

A formal Budget adjustment will be considered by the Grantor, with prior approval from the CDFW Grant Manager. An amendment to the Agreement is required if a formal Budget adjustment is approved. Considerations for formal amendments, if granted, include:

1. Shifting Grant Funds between budget categories (e.g. Personnel Services to Operating Expenses);
2. Increasing or decreasing the total Agreement amount;
3. Substituting key personnel; or
4. Line item shifts **within** a budget category (e.g. Personnel Services) that exceed \$25,000 or 10% of the Agreement amount, whichever is less.

Grantee must submit all budget line item revision requests, in writing, to the CDFW Grant Manager, prior to implementing any changes.

9.02 Payment Provisions

- 9.02.1 Disbursements:** Grantor will disburse Grant Funds to Grantee not more frequently than **monthly** in arrears, upon receipt of an original itemized invoice and any required progress report or other mandatory documentation as identified in Section 6.07 – Schedule of Due Date and/or Deliverables. The invoice package must be either mailed hard copy or electronic submission to CDFW Grant Manager contact located in Section 7 – Contacts.

Grant disbursements will be mailed to the following Grantee address:

Grantee Name:	Humboldt Bay Harbor Recreation and Conservation District
Attention:	Larry Oetker, Executive Director
Address:	P.O. Box 1030 Eureka, CA 95502-1030

- 9.02.2 Invoice Documentation:** Each invoice for payment must be accompanied by a written description, not to exceed two pages in length, of Grantee's performance under this Agreement since the time the previous such report was prepared. The report shall describe the types of activities and specific accomplishments during the period for which the payment is being made rather than merely listing the number of hours worked during the reporting period. CDFW Grant Manager will provide Grantee with a sample invoice template upon request. The Final Invoice must be submitted to the CDFW Grants Manager by the date

identified in Section 6.07 – Schedule of Due Dates and/or Deliverables.

Requirements: The invoice shall contain the following information:

1. The word "Invoice" should appear in a prominent location at the top of the page(s);
2. Printed name of Grantee on company letterhead;
3. Grantee's business address, including P.O. Box, City, State, and Zip Code;
4. Name of the CDFW Region/Division being billed;
5. The invoice date and the time period covered; i.e., the term "from" and "to";
6. This Agreement number and the sequential number of the invoice (i.e., Pxx96xxx-Invoice 1);
7. The invoice must be itemized using the categories and following the format of the Budget;
8. The total amount due. This should be in a prominent location in the lower right-hand portion of the last page and clearly distinguished from other figures or computations appearing on the invoice. The total amount due shall include all costs incurred by Grantee under the terms of this grant;
9. The original signature of Grantee; and
10. Grantee must provide supporting documentation for the invoice and actual receipts.

Q1975058

HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed as of Grantor date set forth below the signature.

AUTHORIZED AGENT FOR GRANTEE

By:

Signature: 

Printed Name: Larry Oetker

Title: Executive Director

Date: 5-7-19

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

By:

Signature: _____

Printed Name: Valinda Roberts

Title: Chief, Business Operations

Date: _____

This Agreement is exempt from DGS-OLS approval, per SCM 4.06.

**Exhibit 1.a – Public Entities
General Grant Provisions**

Agreement Number: P1975058

Grantee Name: Humboldt Bay Harbor, Recreation and Conservation District

Page 1 of 6

1. **APPROVAL:** This Agreement is of no force or effect until signed by both parties and approved by the California Department of Fish and Wildlife (CDFW). Grantee may not commence performance until such approval has been obtained.
2. **AMENDMENT:** No amendment or variation of the terms of this Agreement shall be valid unless made in writing, signed by the parties and approved as required. No oral understanding or Agreement not incorporated in the Agreement is binding on any of the parties.
3. **ASSIGNMENT:** This Agreement is not assignable by the Grantee, either in whole or in part, without the consent of the State in the form of a formal written amendment.
4. **AUDIT:** Grantee agrees that the CDFW, the Department of General Services, the Bureau of State Audits, or their designated representative shall have the right to review and to copy any records and supporting documentation pertaining to the performance of this Agreement. Grantee agrees to maintain such records for possible audit for a minimum of three (3) years after final payment, unless a longer period of records retention is stipulated. Grantee agrees to allow the auditor(s) access to such records during normal business hours and to allow interviews of any employees who might reasonably have information related to such records. Further, Grantee agrees to include a similar right of the State to audit records and interview staff in any subcontract related to performance of this Agreement. (Gov. Code §8546.7, Pub. Contract Code, CCR Title 2, Section 1896).
5. **INDEMNIFICATION:** Grantee agrees to indemnify, defend and save harmless the State of California, CDFW, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all of Grantee's employees or agents, contractors, subcontractors, suppliers, laborers, and any other person, firm or corporation furnishing or supplying work services, materials, or supplies in connection with the performance of this Agreement, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by Grantee in the performance of this Agreement.

The State of California shall defend, indemnify and hold the Grantee, its officers, employees and agents harmless from and against any and all liability, loss, expense, attorney's fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of the State of California, or its agencies, their respective officers, agents or employees.
6. **DISPUTES:** Grantee shall continue with the responsibilities under this Agreement during any dispute.
7. **INDEPENDENT CONTRACTOR:** Grantee, and the agents and employees of Grantee, in the performance of this Agreement, shall act in an independent capacity and not as officers or employees or agents of the State. Grantee acknowledges and promises that CDFW is not acting as an employer to any individuals furnishing services or work pursuant to this Agreement.

**Exhibit 1.a – Public Entities
General Grant Provisions****Agreement Number:** P1975058**Grantee Name:** Humboldt Bay Harbor, Recreation and Conservation District**Page 2 of 6**

8. **NON-DISCRIMINATION CLAUSE:** During the performance of this Agreement, Grantee and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. Grantee and subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Grantee and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) et seq.) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. Grantee and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.

Grantee shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Agreement.

9. **UNENFORCEABLE PROVISION:** In the event that any provision of this Agreement is unenforceable or held to be unenforceable, then the parties agree that all other provisions of this Agreement have force and effect and shall not be affected thereby.
10. **LICENSES AND PERMITS (If Applicable):** The Grantee is responsible for obtaining all licenses and permits required by law for accomplishing any work required in connection with this Agreement. Costs associated with permitting may be reimbursed under this Grant Agreement only if approved in the budget detail and payment provisions section.
11. **RIGHTS IN DATA:** The Grantee agrees that all data, plans, drawings, specifications, reports, computer programs, operating manuals, notes and other written or graphic work produced in the performance of this Agreement, are subject to the rights of the State as set forth in this section. The State shall have the right to reproduce, publish, and use all such work, or any part thereof, in any manner and for any purposes whatsoever and to authorize others to do so. If any such work is copyrightable, the Grantee may copyright the same, except that, as to any work which is copyrighted by the Grantee, the State reserves a royalty-free, nonexclusive and irrevocable license to reproduce, publish, and use such work, or any part thereof, and to authorize others to do so.
12. **CONTINGENT FUNDING:** It is mutually understood between the parties that this Agreement may have been written before ascertaining the availability of State appropriation of funds for the mutual benefit of both parties in order to avoid program and fiscal delays which would occur if the Agreement were executed after that determination was made.

**Exhibit 1.a – Public Entities
General Grant Provisions****Agreement Number:** P1975058**Grantee Name:** Humboldt Bay Harbor, Recreation and Conservation District**Page 3 of 6**

This Agreement is valid and enforceable only if sufficient funds are made available pursuant to the California State Budget Act for the fiscal year(s) covered by this Agreement for the purposes of this program. In addition, this Agreement is subject to any additional restrictions, limitations, or conditions enacted by the Legislature of any statute enacted by the Legislature which may affect the provisions, terms or funding of this Agreement in any manner.

It is mutually agreed that if the Legislature does not appropriate sufficient funds for the Agreement, the State has the option to terminate the Agreement under the termination clause or to amend the Agreement to reflect any reduction of funds. CDFW has the option to invalidate the contract under the 30-day cancellation clause or to amend the Agreement to reflect any reduction in funds.

13. RIGHT TO TERMINATE:

- a. This agreement may be terminated by mutual consent of both parties or by any party upon thirty (30) days written notice and delivered by USPS First Class or in person.
- b. In the event of termination of this Agreement, Grant Recipient shall immediately provide CDFW an accounting of all funds received under the Agreement and return to CDFW all funds received under this Agreement which have not been previously expended to provide the services outlined within this agreement.
- c. Any such termination of this Agreement shall be without prejudice to any obligations or liabilities of either party already accrued prior to such termination. CDFW shall reimburse Grantee for all allowable and reasonable costs incurred by it for the Project, including foreseeable and uncancellable obligations. Upon notification of termination from CDFW, Grantee shall use its reasonable efforts to limit any outstanding financial commitments.

14. CONFIDENTIALITY OF DATA: The Grantee shall protect from disclosure all information made available by CDFW. The Grantee shall not be required to keep confidential any data or information which is publicly available, independently developed by the Grantee, or lawfully obtained from third parties. Written consent of CDFW must be obtained prior to disclosing information under this Agreement.

15. DISCLOSURE REQUIREMENTS: Any document or written report prepared in whole or in part pursuant to this Agreement shall contain a disclosure statement indicating that the document or written report was prepared through an Agreement with the State. The disclosure statement shall include the Agreement number and dollar amount of all Agreements and subcontracts relating to the preparation of such documents or written reports. The disclosure statement shall be contained in a separate section of the document or written report.

If the Grantee or any subcontractor(s) are required to prepare multiple documents or written reports, the disclosure statement may also contain a statement indicating that the total Agreement amount represents compensation for multiple documents or written reports. The Grantee shall include in each of its subcontracts for work under this Agreement, a provision which incorporates the requirements stated within this section.

**Exhibit 1.a – Public Entities
General Grant Provisions**Agreement Number: P1975058Grantee Name: Humboldt Bay Harbor, Recreation and Conservation District

Page 4 of 6

16. USE OF SUBCONTRACTOR(S): If the Grantee desires to accomplish part of the services through the use of one (1) or more subcontractors, the following conditions must be met:

- a. The Grantee shall submit any subcontracts to the State for inclusion in the grant file;
- b. The Agreement between the primary Grantee and the subcontractor must be in writing;
- c. The subcontract must include specific language which establishes the rights of the auditors of the State to examine the records of the subcontractor relative to the services and materials provided under the Agreement; and
- d. Upon termination of any subcontract, the State shall be notified immediately, in writing.

The Grantee shall ensure that any subcontract in excess of \$100,000 entered into as a result of this Agreement contains all applicable provisions stipulated in this Agreement.

17. POTENTIAL SUBCONTRACTOR(S): Nothing contained in this Agreement or otherwise shall create any contractual relation between the State and any subcontractor(s) and no subcontract shall relieve the Grantee of its responsibilities and obligations hereunder. The Grantee agrees to be as fully responsible to the State for the acts and omissions of its subcontractor(s) and of persons directly employed or indirectly employed by any of them as it is for the acts and omissions of persons directly employed by the Grantee. The Grantee's obligation to pay its subcontractor(s) is an independent obligation from the State's obligation to make payments to the Grantee. As a result, the State shall have no obligation to pay or to enforce the payment of any monies to any subcontractor.

18. TRAVEL AND PER DIEM (if applicable): The Grantee agrees to pay reasonable travel and per diem to its employees under this Agreement. The reimbursement rates shall not exceed those amounts identified in the Department of Personnel Administration and/or Universities of California travel reimbursement guidelines.

19. LIABILITY INSURANCE (as applicable): Unless otherwise specified in the Grant Agreement, when the Grantee submits a signed Agreement to the State, the Grantee shall also furnish to the State either proof of self-insurance or a certificate of insurance stating that there is liability insurance presently in effect for the Grantee of not less than \$1,000,000 per occurrence for bodily injury and property damage liability combined. Grantee agrees to make the entire insurance policy available to the State upon request.

The certificate of insurance will include provisions a, b, and c, in their entirety:

- a. The insurer will not cancel the insured's coverage without thirty (30) days prior written notice to the State;
- b. The State of California, its officers, agents, employees, and servants are included as additional insured, by insofar as the operations under this Agreement are concerned; and
- c. The State will not be responsible for any premiums or assessments on the policy.

**Exhibit 1.a – Public Entities
General Grant Provisions****Agreement Number:** P1975058**Grantee Name:** Humboldt Bay Harbor, Recreation and Conservation District**Page 5 of 6**

The Grantee agrees that the bodily injury liability insurance herein provided for, shall be in effect at all times during the term of this Agreement. In the event said insurance coverage expires at any time or times during the term of this Agreement, Grantee agrees to provide, prior to said expiration date, a new certificate of insurance evidencing insurance coverage as provided for herein for not less than the remainder of the term of the Agreement, or for a period of not less than one (1) year. New certificates of insurance are subject to the approval of the Department of General Services, and the Grantee agrees that no work or services shall be performed prior to giving of such approval. In the event the Grantee fails to keep in effect, at all times, insurance coverage as herein provided, the State may, in addition to any other remedies it may have, terminate this Agreement upon occurrence of such event.

CDFW will not provide for, nor compensate the Grantee for any insurance premiums or costs for any type or amount of insurance. The insurance required above, shall cover all Grantee supplied personnel and equipment used in the performance of this Agreement. When applicable, if subcontractors performing work under this Agreement do not have insurance equivalent to the above, the Grantee's liability shall provide such coverage for the subcontractor, except for coverage for error, mistake, omissions, or malpractice, which shall be provided by the subcontractor if such insurance is required by the State.

20. GRANTEE STAFF REQUIREMENTS: The Grantee represents that it has or shall secure at its own expense, all staff required to perform the services described in this Agreement. Such personnel shall not be employees of or have any contractual relationship with the CDFW or any other California State entity.

21. PROPERTY ACQUISITIONS AND EQUIPMENT PURCHASES: Property, exclusive of real property, as used in this exhibit shall include the following:

- a. Equipment – Tangible property (including furniture and electronics) with a unit cost of \$5,000 or more and a useful life of four (4) years or more. Actual cost includes the purchase price plus all costs to acquire, install, and prepare the equipment for its intended use.
- b. Furniture, including standard office furnishings including desks, chairs, bookcases, credenzas, tables, etc.
- c. Portable Assets, including items considered 'highly desirable' because of their portability and value, e.g., calculators, computers, printers, scanners, shredders, cameras, etc.
- d. Electronic Data Processing (EDP) Equipment, including all computerized and auxiliary automated information handling, including system design and analysis; conversion of data; computer programming; information storage and retrieval; voice, video and data communications; requisite system controls; simulation and all related interactions between people and machines.

The Grantee may purchase property under this Grant Agreement only if specified in the budget detail and payment provisions section. All property purchased by Grantee is owned by the

**Exhibit 1.a – Public Entities
General Grant Provisions**

Agreement Number: P1975058

Grantee Name: Humboldt Bay Harbor, Recreation and Conservation District

Page 6 of 6

Grantee. CDFW does not claim title or ownership to the property, but requires Grantee to maintain accountability for all property purchased with grant funds.

Title or ownership to property with a unit cost of \$5,000 or more may be retained by Grantee or Grantor upon end of the grant cycle; final disposition will be coordinated by CDFW's Grant Manager.

Before property purchases made by the Grantee are reimbursed by CDFW, the Grantee shall submit paid Grantee receipts identifying the Grant Agreement Number, purchase price, description of the item (s), serial number(s), model number(s), and location, including street address where property will be used during the term of this Grant Agreement. Said paid receipts shall be attached to the Grantee's invoice(s).

The Grantee shall keep, and make available to Grantor, adequate and appropriate records of all property purchased with the Grant Agreement funds.

Prior written authorization by the CDFW Grant Manager shall be required before the Grantee will be reimbursed for any property purchases not specified in the budget. The Grantee shall provide to CDFW Grant Manager, all particulars regarding the necessity for such property and the reasonableness of the cost.

Property will only be considered for purchase approval if no other equipment owned by the applicant is available and suitable for the project.

Grant funds cannot be used to reimburse the project for equipment obtained prior to the beginning of the grant term.

Grant funds cannot be used for property if specifically prohibited in the authorizing legislation or restricted in the terms of the program.

Should this Grant Agreement be cancelled for any reason, any property purchased with grant funds shall be returned to Grantor.

State policies and procedures applicable to procurement with nonfederal funds, shall apply to procurement by the Grantee under this Grant Agreement, provided that procurements conform to applicable State law and the standards identified in this exhibit. These include, but are not limited to: statutes applicable to State agencies; statutes applicable to State colleges and universities; public works projects; the California Constitution governing University of California contracting, the State Administrative Manual; statutes applicable to specific local agencies; applicable city and county charters and implementing ordinances including policies and procedures incorporated in local government manuals or operating memoranda.

COMMISSIONERS

1st Division

Larry Doss

2nd Division

Greg Dale

3rd Division

Stephen Kullmann

4th Division

Richard Marks

5th Division

Patrick Higgins

Humboldt Bay
Harbor, Recreation and Conservation District
 (707) 443-0801
 P.O. Box 1030
 Eureka, California 95502-1030

**STAFF REPORT – HARBOR DISTRICT MEETING****May 23, 2019**

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

PREPARED BY: Bernadette Clueit, Harbor Specialist III

TITLE: Consideration of Acceptance of Permit Application 2019-02 for Filing

RECOMMENDATION: Staff recommends the Board: Accept Permit Application 2019-02 for filing, and direct Staff to process the application and prepare the required environmental documents in compliance with the California Environmental Quality Act (CEQA).

BACKGROUND: Pacific Gas and Electric (PGE) has submitted to the District an application for work on three (3) gas transmission pipelines that cross creeks or sloughs or are located alongside a creek, which is being proposed as a single bundled project for the purposes of planning and regulatory permitting. The project includes decommissioning and removal of pipeline, installation of replacement pipeline, and remediation of significant erosion that has exposed a section of pipeline. Construction is planned for 2020, with in-water work restricted to the July 1 – October 15 aquatic work window.

DISCUSSION: Work at PGE location R-354 involves the decommissioning and removal of a portion of retired-in-place pipeline crossing from Freshwater Slough that has become exposed at the landing due to erosion of the earthen levee. PGE proposes to fill the retired pipeline crossing with cement slurry, and then remove the exposed section on the northern landing as well as an additional approximately 50-foot section that passes through the levee. Some levee armoring/stabilization and backfilling of a small sinkhole behind a bridge abutment is also proposed.

Site R-519 is the Ryan Slough crossing on the north side of Myrtle Avenue at the Myrtle Avenue bridge. Here, the existing pipeline that is exposed on the slough bed will be replaced by a new crossing installed via “pilot tube method”. Jacking and receiving shafts will be installed on either shoreline to support the installation. Once the replacement pipeline is in place, the existing crossing will be decommissioned and removed in a manner similar to R-354, and the project area will be restored to pre-construction contours and conditions.

At the RT-102 location, an active carrier pipeline buried longitudinally within an earthen berm adjacent to the west side of Ryan Creek has become exposed in several large sinkholes. The sinkholes appear to be a result of stormwater flowing from the adjoining slope through a redwood plank roadway buried in the berm. PGE proposes to excavate the berm at the sinkhole locations, expose and remove the redwood planking below the pipeline, and construct a rock-based low flow swale across the top of the berm to channel runoff into Ryan Creek.

ATTACHMENTS:

A. Permit Application 2019-02



**Pacific Gas and
Electric Company**

DOCUMENT TITLE:	Preliminary Project Description		
PROJECT TITLE:	PG&E Pipeline Maintenance Projects – R-519, R-354 and RT-102		
DOCUMENT DATE:	May 17, 2019	REVISION:	6
DOCUMENT NO:	18-011-01-PRP	PAGE:	1

PRELIMINARY PROJECT DESCRIPTION

PG&E PIPELINE MAINTENANCE PROJECTS – R-519, R-354 AND RT-102

1. PROJECT OVERVIEW

In Eureka, California, Pacific Gas & Electric (PG&E) owns and operates three gas transmission pipelines that cross creeks or sloughs, or are located alongside a creek, and that require replacement, decommissioning or remediation. In the interest of expediting and optimizing the regulatory permit application and approval process for these three projects PG&E proposes to combine these three projects into a single project (bundled).

To start the planning and regulatory permitting process, PG&E would like to present a preliminary description of the three projects and obtain agency feedback and direction that will be incorporated into PG&E's final planning and regulatory permitting application.

The three projects comprising the bundled project consist of:

- **R-519 – Line 137C Ryan Slough Crossing Replacement** – The existing 4-inch diameter gas transmission pipeline is exposed on the slough bed where it crosses Ryan Slough. PG&E proposes to replace this existing 4-inch diameter pipeline with a new 4-inch diameter pipeline that will cross underneath the slough bed at a depth of 10-feet or more. Once the replacement pipeline crossing is installed the existing crossing will be decommissioned with the crossing removed its entirety to locations in the banks of either shoreline where the crossing is already buried 5-feet or below existing contours.
- **R-354 – Line 137B Freshwater Slough Crossing Decommissioning** – At this location an existing 8-inch diameter gas transmission pipeline was replaced by a horizontal directionally drilled crossing in 2008 and the original crossing was retired in place. However, since 2008 the north landing of this retired crossing has become exposed due to erosion of the earthen levee in which the north landing of this crossing was buried. PG&E proposes to slurry the pipeline, abandon in place the south landing and slough crossing portions of this pipeline where it is buried greater than 5-feet below the slough bed, and remove the northern landing down to 5-feet below the slough bed. As well, PG&E proposes to abandon the north landing through the levee and into the adjacent field. Post abandonment, EConcrete shoreline stabilization mats will be placed on the northern levee bank in an effort to arrest the erosion of the levee. A small sink hole located behind the north abutment of a private bridge that crosses the slough near the retired pipeline crossing will also be repaired.
- **RT-102 – Line 177A Ryan Creek Erosion Remediation** – The linear, buried alignment of this 12-inch diameter gas transmission pipeline is located inside of a retired railroad right-of-way (earthen berm). This project does not involve a water crossing. The pipeline has become exposed inside of a sink hole in the earthen berm due to stormwater runoff from a seasonal stream coming off of a slope that borders the earthen berm. The earthen berm is apparently founded on a "redwood road" compromised of redwood timber and planking. The stormwater is apparently running underneath the earth berm through the underlying redwood road and has undermined the pipeline at this location. PG&E proposes to excavate the berm at this site, cut and remove the redwood road from underneath the pipeline, backfill with engineered fill, and install a low flow swale to facilitate runoff across the berm and into adjacent Ryan Creek.



All three projects involve work in or on the shoreline of California streams and require specialized marine planning and regulatory permitting expertise. See Figure 1 – Project Geographic Locations. All three projects can be performed in sequence to help minimize impacts to the environment and local property and residents.

2. PROJECT DESCRIPTIONS

Following are synopses of the three projects comprising the “Eureka Bundle. These synopses include a brief description of the project location, the facilities involved, the project objectives, anticipated project work elements and proposed final dispositions.

2.1 R-519 – L137C Ryan Slough Crossing Replacement Project Description

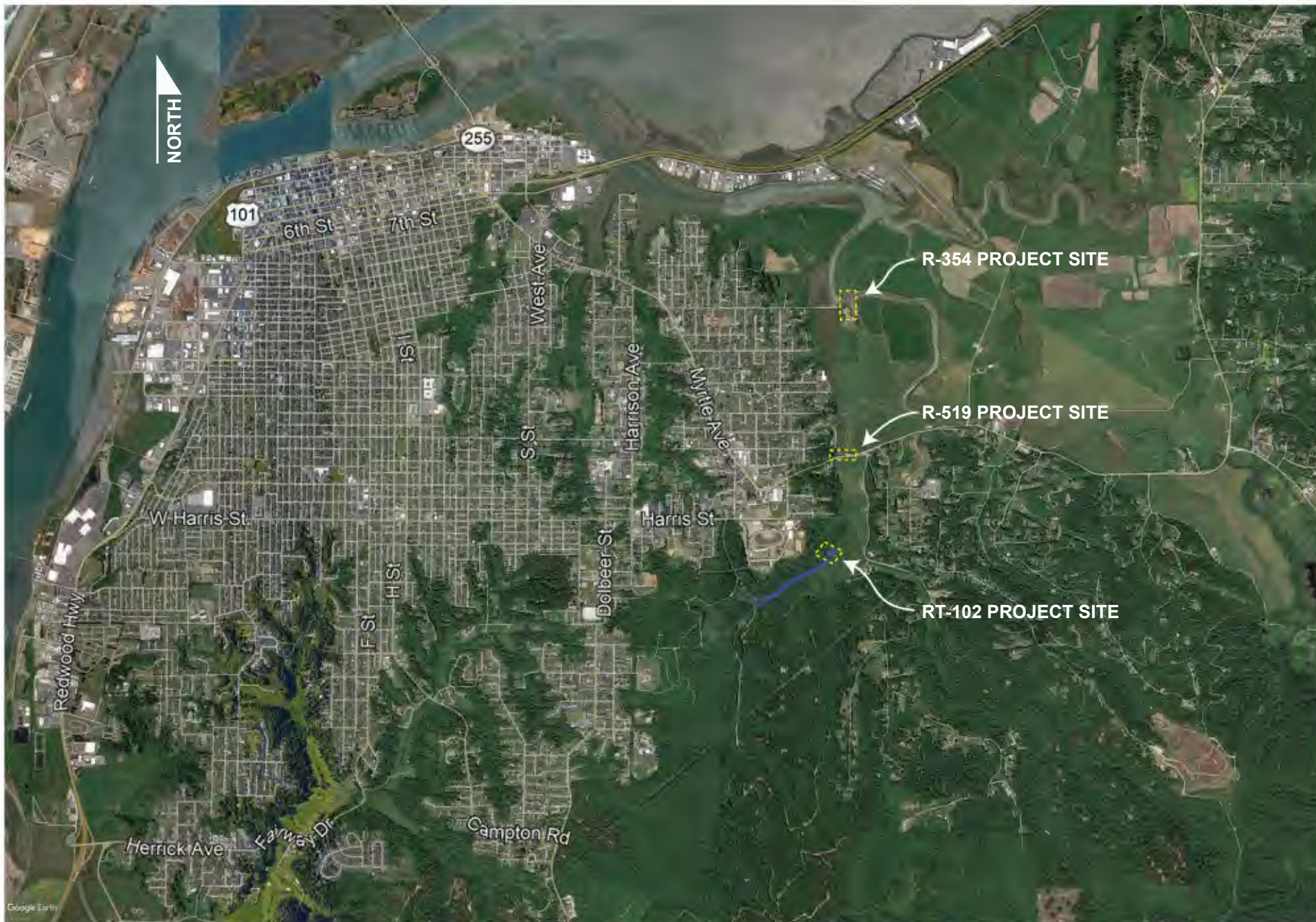
2.1.1 Location - The R-519 project is in Eureka, California in Humboldt County where L-137C crosses the Ryan Slough, just to the north of the Myrtle Avenue bridge. The general worksite is in a rural setting approximately 1.32 miles south of Humboldt Bay and along the north side of Myrtle Avenue, a relatively busy, paved 2-lane roadway that runs in an east-west direction. The nearest home is located approximately 150 feet west of the planned west worksite and is relatively hidden from the worksite by mature trees.

2.1.2 Facilities - The PG&E L-137C Ryan Slough crossing is located on the north side of Myrtle Avenue at the Myrtle Avenue bridge over Ryan Slough. The existing facilities consist of a 4-inch nominal steel pipe crossing that is currently exposed on the slough-bed of Ryan Slough. This crossing is to be replaced with a new 4-inch diameter steel crossing installed using “pilot tube method” (PTM) technology at an elevation 10 feet or below the existing slough bed. The existing 4-inch pipe crossing is to be decommissioned and removed once the replacement crossing has been installed and tied into the existing carrier pipeline.

See Drawings T-1, T-2, T-3 and D-1 for a site map, plan and profile of the existing crossing, plan and profile of the proposed replacement alignment, and details of the existing crossing removal.

2.1.3 Work Elements - For purposes of this preliminary project description, the “work elements” are defined as those elements of work that will constitute the project description on which the project’s regulatory permits will be based. The final design, means and methods for these work elements will be identified during the pre-application planning and permitting process:

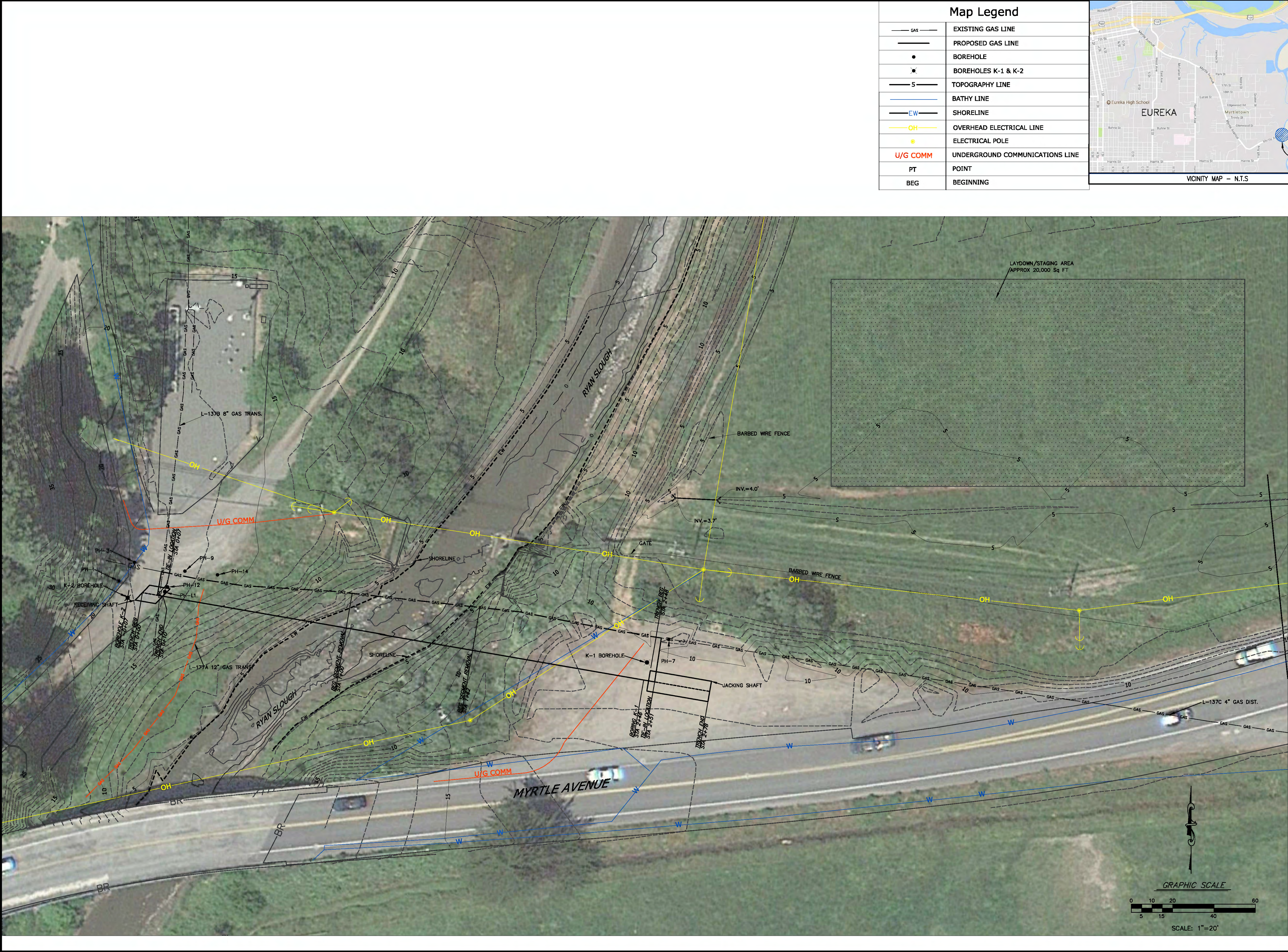
- **Installation and Removal of a PTM Jacking Shaft and Receiving Shaft** - Jacking and receiving shafts (temporary excavated pits) shall be constructed at predetermined locations on either shoreline to support pilot tube method installation of the replacement crossing. The shafts shall be constructed from sheet piling, auger method, or other method suitable for eliminating or minimizing groundwater flow. These shafts shall range from approximately 30 to 35 feet in depth. These shafts shall be decommissioned upon completion of the new crossing installation and the areas restored to pre-construction contours and conditions.
- **Installation of New Crossing Using PTM** - The replacement 4-inch diameter crossing shall be installed using pilot tube method. The new crossing shall be installed from the jacking shaft constructed on the eastern shoreline to the receiving shaft on the western shoreline.



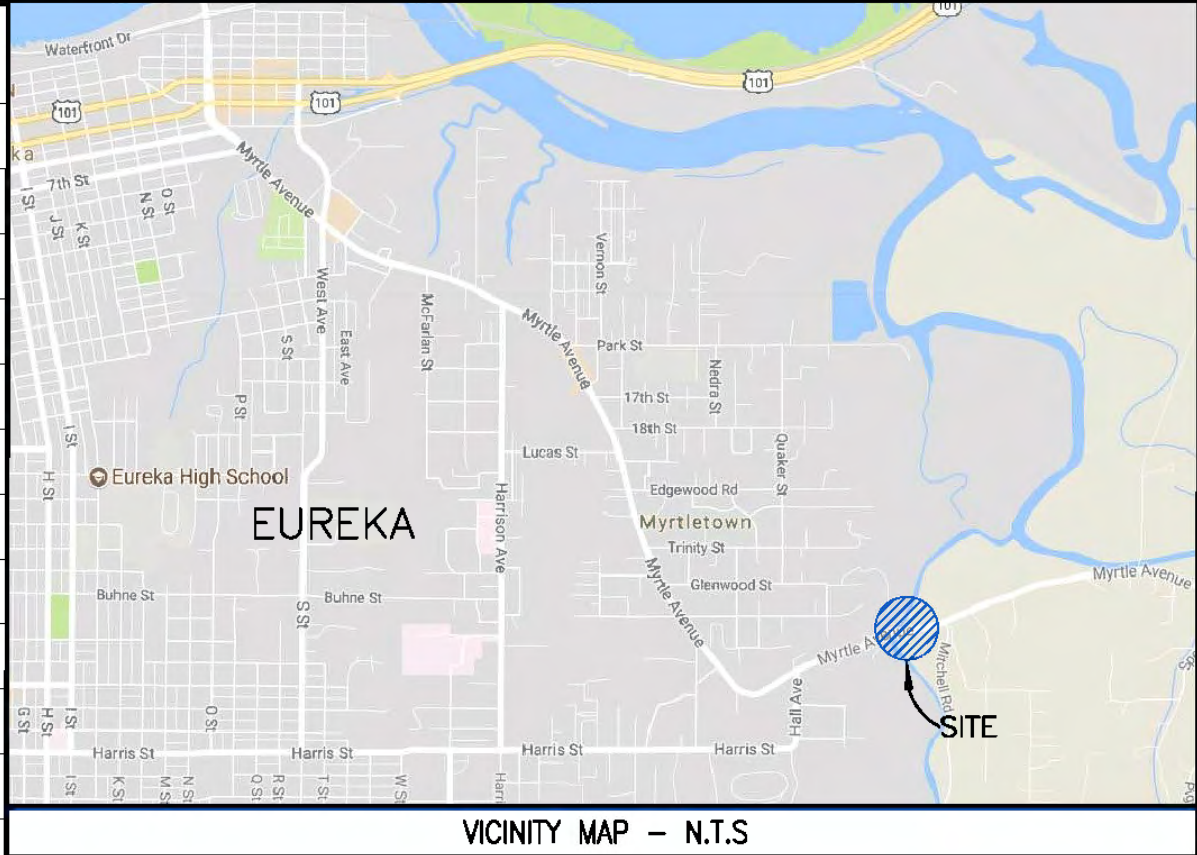
LONGITUDE 123, INC.
PG&E EUREKA BUNDLE



FIGURE 1
PROJECT GEOGRAPHIC LOCATIONS
PG&E PROJECTS R-519, R-354 AND RT-102

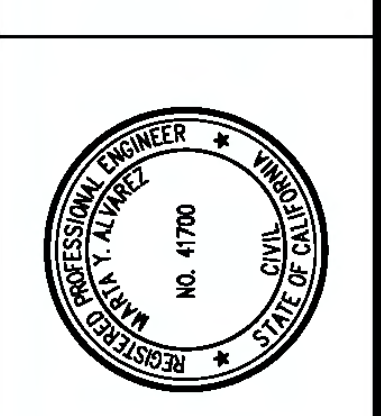


Map Legend	
	EXISTING GAS LINE
	PROPOSED GAS LINE
	BOREHOLE
	BOREHOLES K-1 & K-2
	TOPOGRAPHY LINE
	BATHY LINE
	SHORELINE
	OVERHEAD ELECTRICAL LINE
	ELECTRICAL POLE
	UNDERGROUND COMMUNICATIONS LINE
	POINT
	BEGINNING



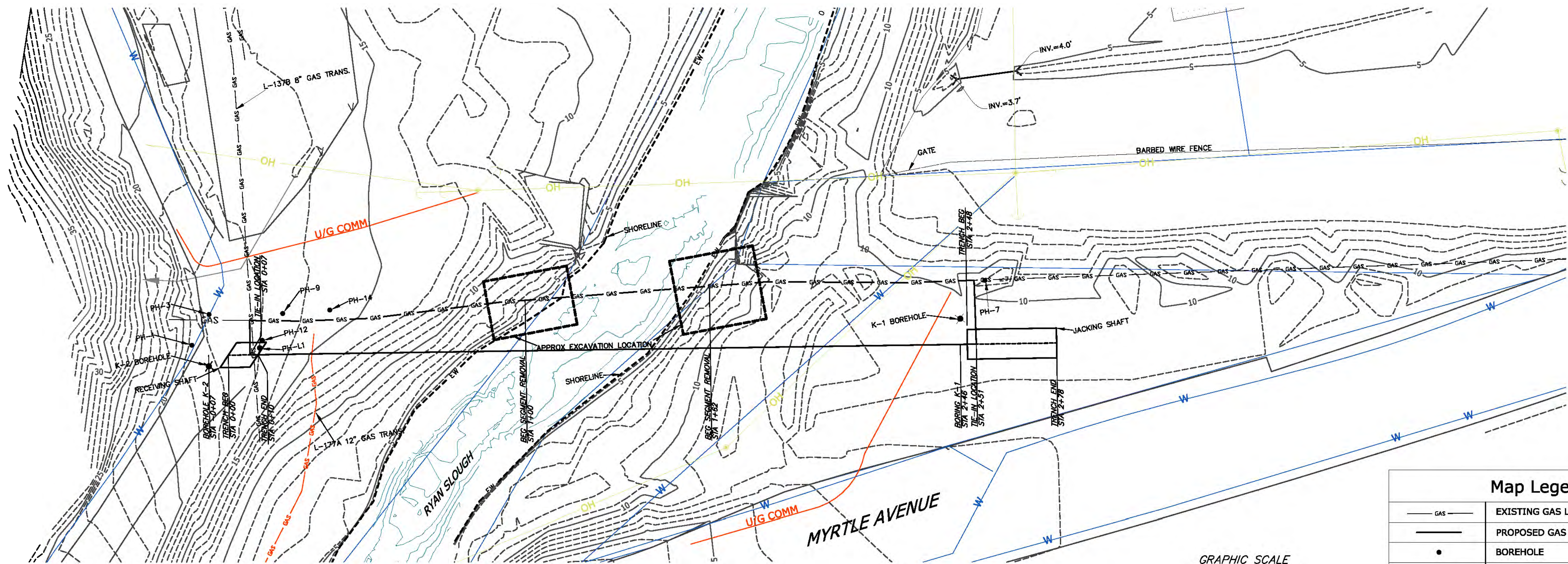
YCE
INCORPORATED
Civil Engineering & Land Surveying
1997 Morse Avenue, Suite A - Eureka, CA 94003
TEL: (805) 850-8895 FAX: (805) 850-8895
E-MAIL: yce-inc@pacbell.net

LONGITUDE 123, INC.
Mark Longitude 123, Inc.
2100 Oak View Drive
Oak View, CA 94022
TEL: 805.945.9384
E-MAIL: MSTEFFY@LONGITUDE123.NET



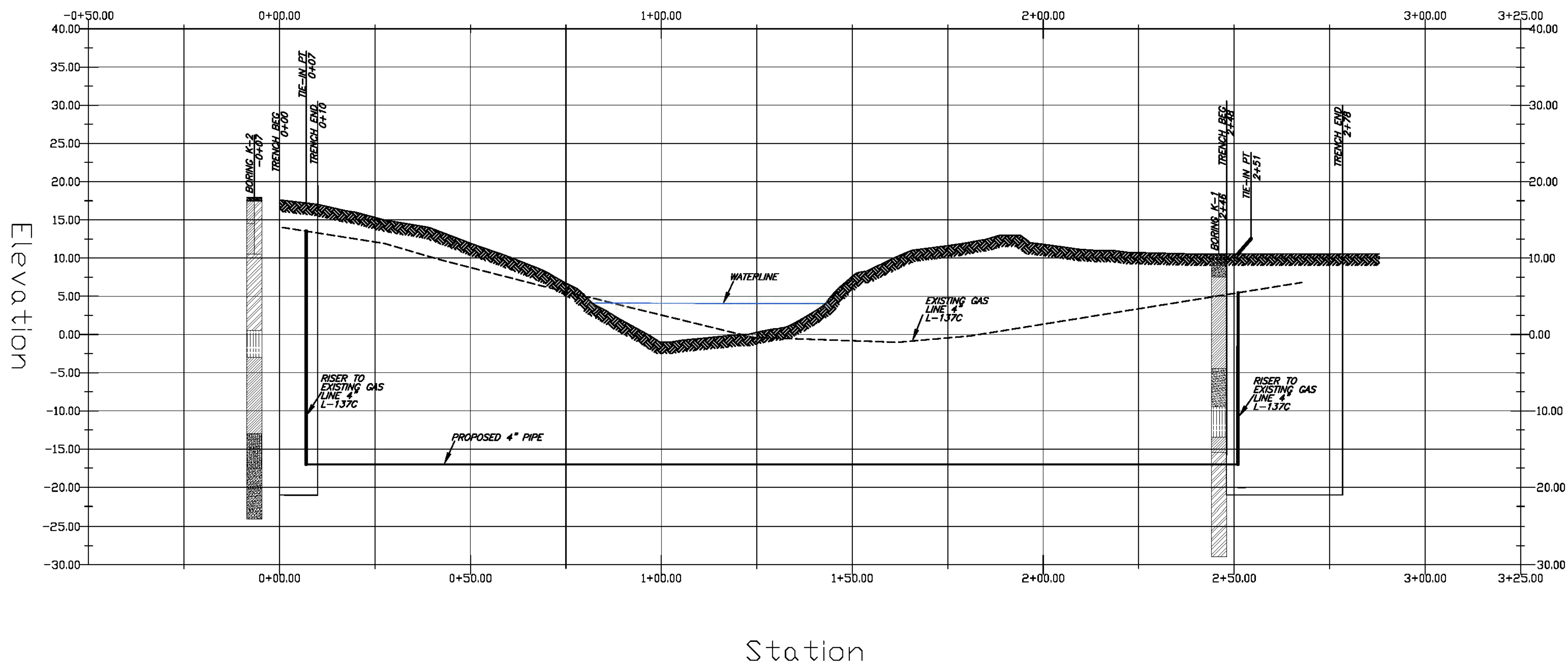
PACIFIC GAS & ELECTRIC CO.
R-519 L-137C MP0.26
RYAN SLOUGH CROSSING
REPLACEMENT & DECOMMISSIONING
EUREKA, CA

REVISIONS:		DATE:	BY:	CHECKED:	APPROVED:
DESCRIPTION		11/17/17	TH	MS	
DRAWING NO.		D13003-02			
SHEET NAME:		COVER			
Sheet NO.		T-1			



PROFILE VIEW AT REPLACEMENT ALIGNMENT

HORIZONTAL: 1"=20'
VERTICAL: 1"=10'

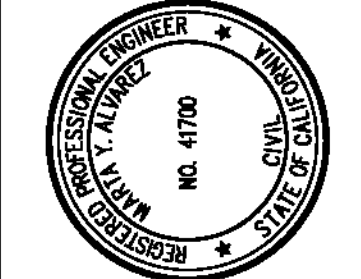


Map Legend	
	EXISTING GAS LINE
	PROPOSED GAS LINE
	BOREHOLE
	BOREHOLES K-1 & K-2
	TOPOGRAPHY LINE
	BATHY LINE
	SHORELINE
	OVERHEAD ELECTRICAL LINE
	ELECTRICAL POLE
	UNDERGROUND COMMUNICATIONS LINE
	POINT
	BEGINNING

NOTES:
BORING HOLE LOCATION AND SOIL INFORMATION
OBTAINED FROM BORING LOG K-1 AND BORING
LOG K-2 CONDUCTED BY KLEINFELDER ON
11/27/12

YCF
INCORPORATED
Civil Engineering & Land Surveying
1501 E. Avenue, Suite 100
Eureka, CA 94503
(805) 650-6695
Fax: (805) 677-4721 Email: ycf@ycfinc.com

LONGITUDE 123, INC.
2103 MALLORY AVE. SUITE 100
OAK VIEW, CA 94022
TEL: 805.946.8364
EMAIL: MSTEFFY@LONGITUDE123.NET



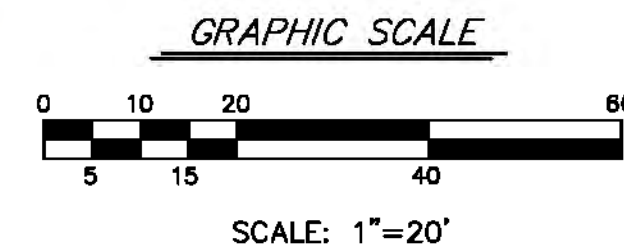
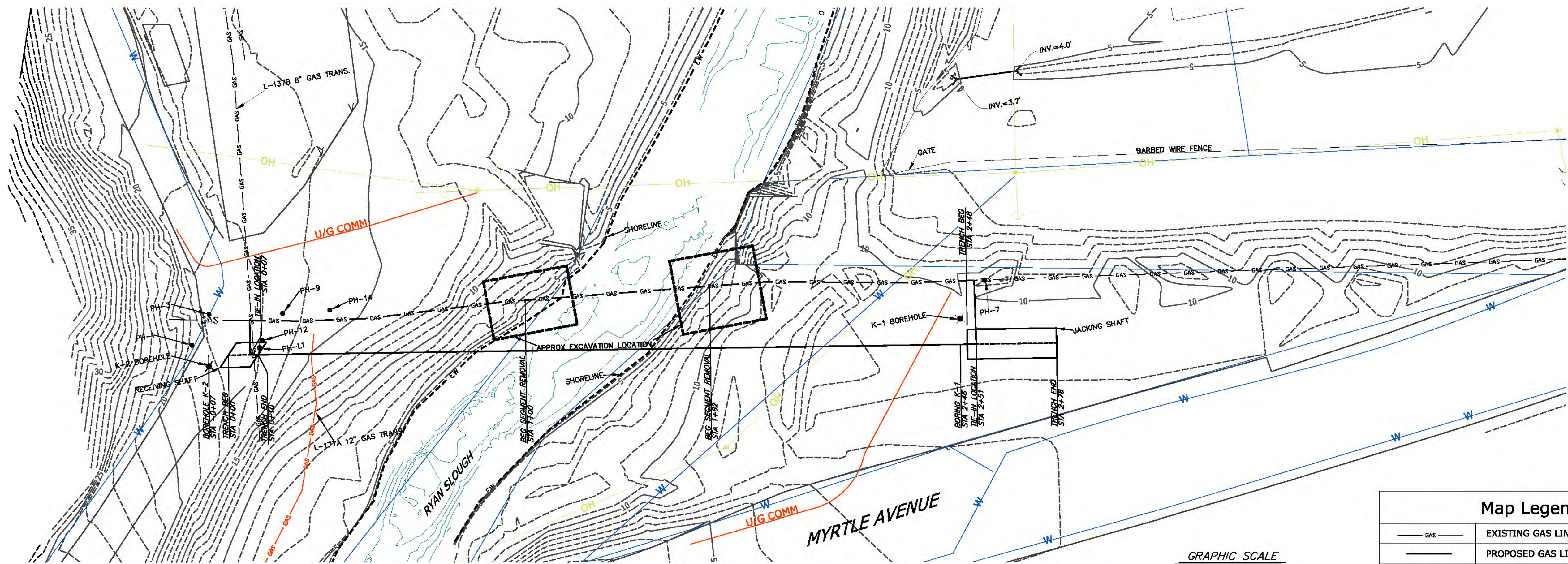
PACIFIC GAS & ELECTRIC CO.
R-519 L-137C MP0.26
RYAN SLOUGH CROSSING
REPLACEMENT & DECOMMISSIONING
EUREKA, CA

REVISIONS:		DATE:	BY:	CHKD:	APPV:
DESCRIPTION		11/07/17	A	TH	MS

DRAWING NO.
D13003-02

SHEET NAME:
PLAN & PROFILE 1

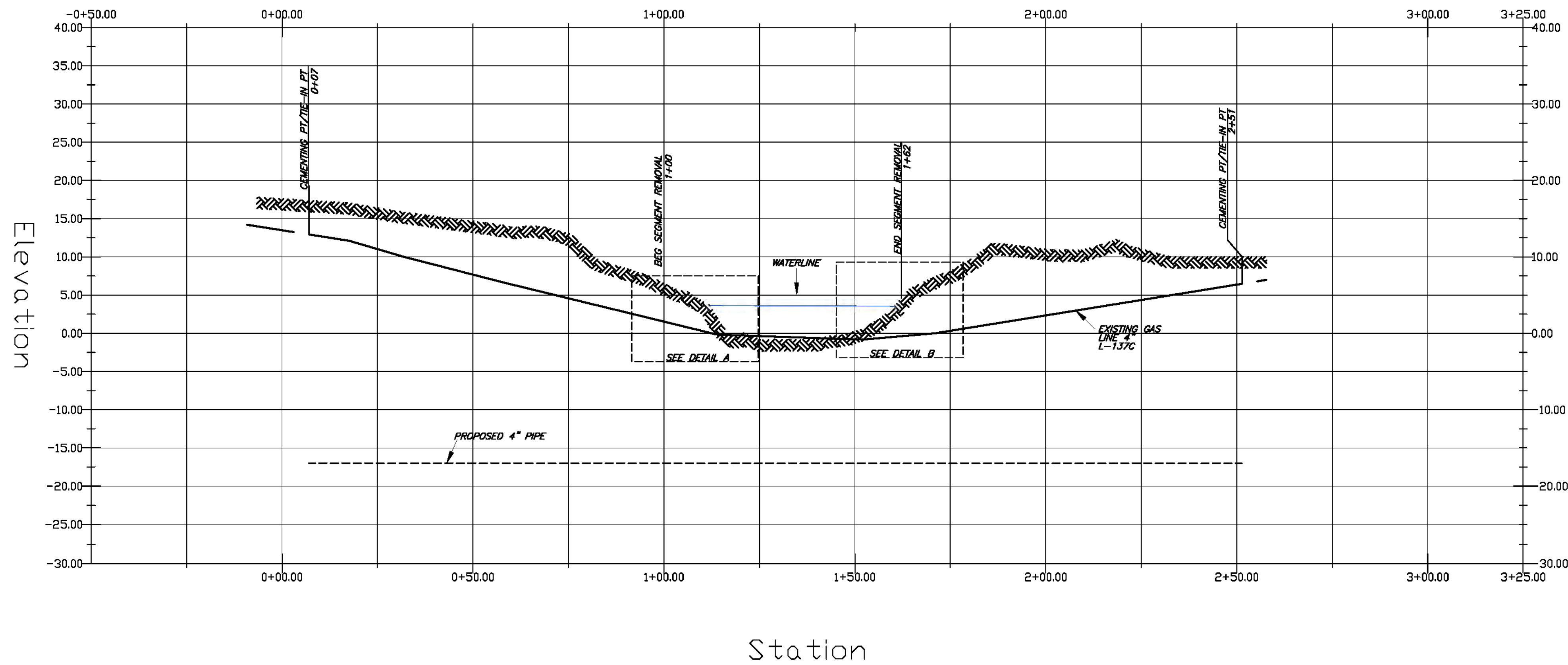
Sheet No.
T-2



Map Legend	
	EXISTING GAS LINE
	PROPOSED GAS LINE
	BOREHOLE
	BOREHOLES K-1 & K-2
	TOPOGRAPHY LINE
	BATHY LINE
	SHORELINE
	OVERHEAD ELECTRICAL LINE
	ELECTRICAL POLE
	UNDERGROUND COMMUNICATIONS LINE
	POINT
	BEGINNING

PROFILE VIEW AT EXISTING CROSSING ALIGNMENT

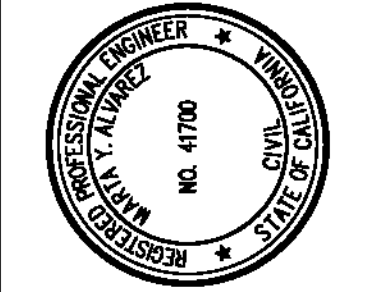
HORIZONTAL: 1"=20'
VERTICAL: 1"=10'



NOTES:
BORING HOLE LOCATION AND SOIL INFORMATION
OBTAINED FROM BORING LOG K-1 AND BORING
LOG K-2 CONDUCTED BY KLEINFELDER ON
11/27/12

YCE
INCORPORATED
Civil Engineering & Land Surveying
15000 S. Avenue, Suite 100
Livermore, CA 94550
(925) 650-6695
Fax: (925) 677-4721 Email: yce@yceinc.com

LONGITUDE 123, INC.
2100 ALLEY WAY, SUITE 100
OAKVIEW, CA 94022
TEL: 800.640.8364
EMAIL: MSTEFFY@LONGITUDE123.NET



PACIFIC GAS & ELECTRIC CO.
R-519 L-137C MP0.26
RYAN SLOUGH CROSSING
REPLACEMENT & DECOMMISSIONING
EUREKA, CA

REVISIONS:		DATE:	BY:	CHKD:	APPD:
No.	DESCRIPTION	11/17/17	TH	MS	
1					
2					
3					
4					
5					

DRAWING NO.
D13003-02

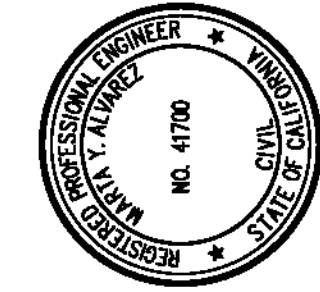
SHEET NAME:
PLAN & PROFILE 2

Sheet No.
T-3
3 OF 5

Map Legend	
	EXISTING GAS LINE
	PROPOSED GAS LINE
	BOREHOLE
	BOREHOLES K-1 & K-2
	TOPOGRAPHY LINE
	BATHY LINE
	SHORELINE
	OVERHEAD ELECTRICAL LINE
	ELECTRICAL POLE
	UNDERGROUND COMMUNICATIONS LINE
	POINT
	BEGINNING

YCE
INCORPORATED
Civil Engineering & Land Surveying
15070 Main Avenue, Suite 100
Northridge, CA 91324
(818) 701-5512
Fax: (818) 701-5512
Email: yce-mpe@ycebci.net

LONGITUDE 123, INC.
2100 Valley View Corporate
Oak View, CA 94022
TEL: 866.946.8864
EMAIL: MSTEFFY@LONGITUDE123.NET

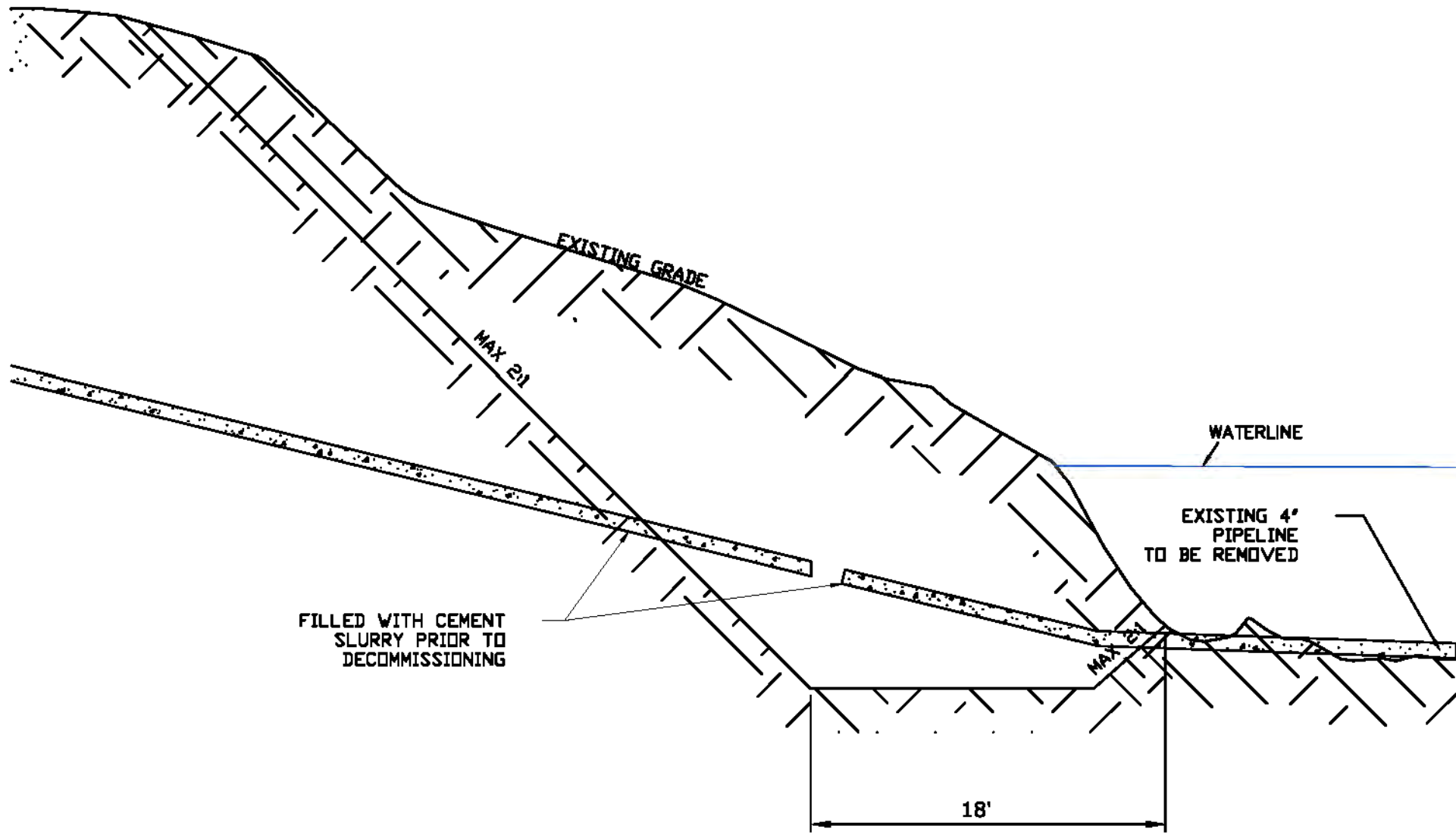


PACIFIC GAS & ELECTRIC CO.
R-519 L-137C MPO.0.26
RYAN SLOUGH CROSSING
REPLACEMENT & DECOMMISSIONING
EUREKA, CA

REVISIONS:		DATE:	BY:	CHKD:	APPVED:
No.	DESCRIPTION				
A		11/07/17			

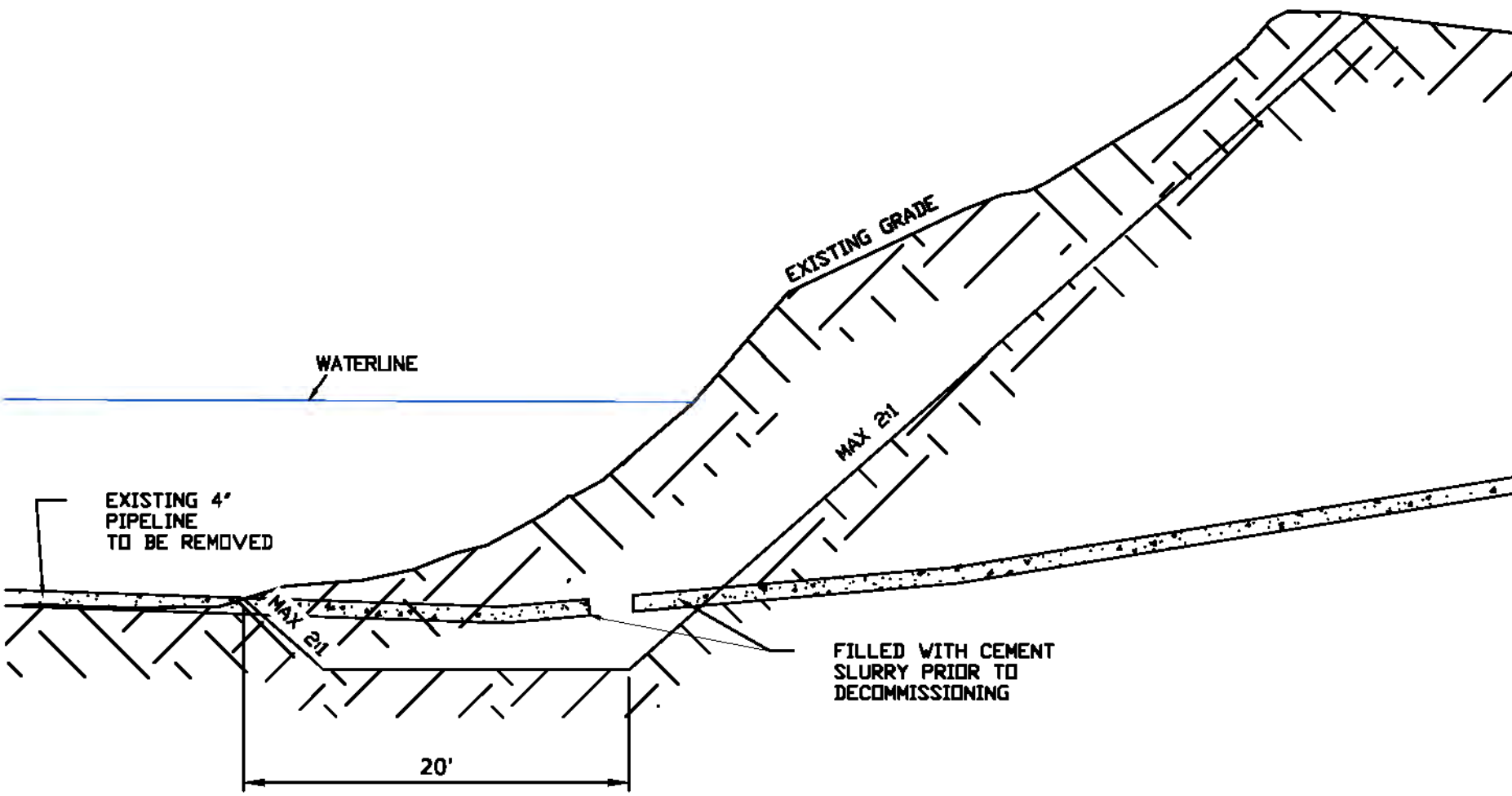
DRAWING NO.
D13003-02
SHEET NAME:
DETAIL
Sheet NO.
D-1
3 OF 5

A DETAIL: PIPELINE REMOVAL
NOT TO SCALE



NOTES:
- APPROXIMATE CUT VOLUME = 195 CU. FT

B DETAIL: PIPELINE REMOVAL
NOT TO SCALE



NOTES:
- APPROXIMATE CUT VOLUME = 265 CU. FT



- **Tie-In of New Crossing** - The new crossing shall be tied into the existing L-137C carrier pipeline at either side of the slough near the jacking and receiving shafts.
- **Pigging and Flushing of Retired Crossing** – Once the new crossing has been tied-in and completed the retired crossing shall be decommissioned. The decommissioning will start by pigging and flushing the retired pipeline to ensure that any TPH contamination of the water in the pipeline is less than 15 parts per million (PPM). Pigging and flushing will be accomplished from the western end of the retired crossing on the western bank to the eastern end of the retired crossing on the eastern bank. The wastewater will be captured by a vacuum truck at the northern worksite and transported to approved offsite treatment and disposal.
- **Cementing of Retired Crossing** – Typical regulatory protocols for abandoned-in-place shoreline ends or segments of submarine pipeline crossings in California are to install cement slurry plugs in all abandoned-in-place shoreline segments. Once the retired crossing has been pigged and flushed, and the flush water certified to less than 15 PPM TPH, the entire retired crossing segment will be filled with cement slurry from end to end.
- **Retired Pipeline Crossing Decommissioning** – Once the retired pipeline crossing has been filled with cement slurry, the pipeline crossing will be excavated at the shorelines of the slough back to a point in each bank where the pipeline reaches 5 feet or more of cover. The pipeline will be cut at these two points and the slough crossing segment will be removed.
- **Bank and Shoreline Restoration** – The shoreline excavations will be backfilled and compacted with excavation spoils to pre-construction contours. Rip-rap armor rock may also be installed in a protective layer on the shoreline to ensure the backfilled shoreline excavations do not erode.

2.2 R-354 – L137B Freshwater Slough Crossing Decommissioning Project Description

2.2.1 Location - The R-354 project is located along Freshwater Slough, approximately 0.5 miles east of Eureka, California in Humboldt County. The location is approximately 0.5 miles upstream from its confluence with Eureka Slough that continues approximately an additional 1.7 miles northwest into Humboldt Bay. The Freshwater Slough flows from east to west at this location. A levee system is located on the northern shore of the slough.

2.2.2 Facilities - The retired PG&E L-137B gas transmission pipeline crossing is located approximately 25 feet east, or upstream, of a private wooden and steel bridge. The pipeline crossing was retired in 2008 but not decommissioned. The associated 'cutoff wall' (levee anti-seepage wall) was constructed as part of the original pipeline crossing. The original PG&E construction drawing shows that the cast-in-place concrete cutoff wall was constructed within the levee embankment and centered under its crown.

A privately owned wooden bridge is located approximately 25 feet downstream of the pipeline crossing and a bridge abutment with associated concrete wingwall are located along the northern bank of the slough. The bridge is constructed with 8 bents of 3 wooden piles each and spans approximately 134 feet across the slough, roughly perpendicular to the river flow.



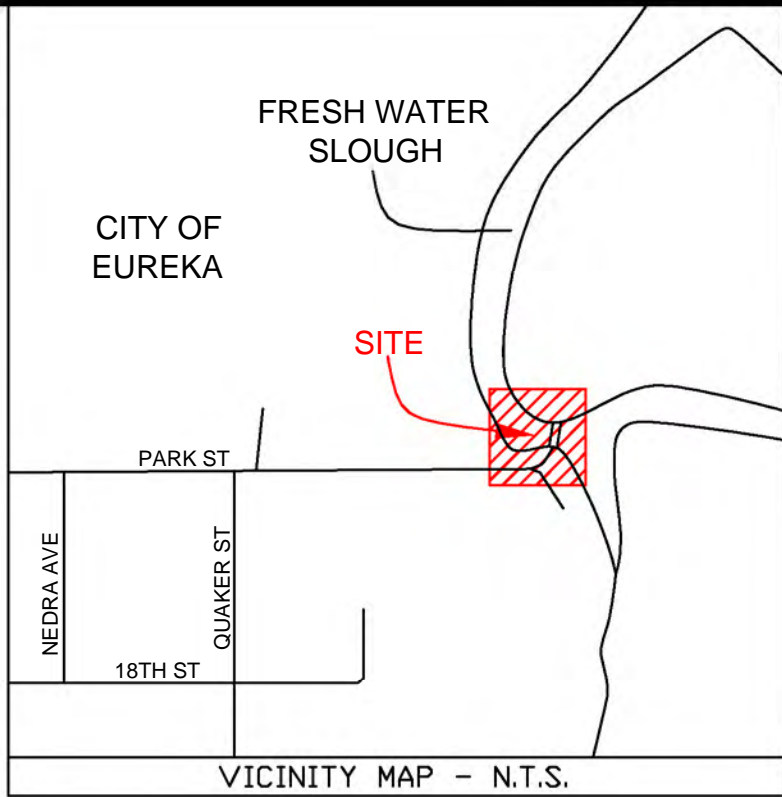
The concrete abutment at the northern bridge touchdown is partially undermined and a small sink hole is visible directly behind the approximate center of the abutment. A coniferous tree is growing behind the east side of the wingwall of the abutment and leans towards the slough and over the wingwall. The tree roots have grown behind the wall and are visible.

The south side of the bridge has riprap upstream, beneath and downstream of the south abutment. The north bank of the slough in this area has no revetment or erosion protection and appears to have been eroded by the water movement through the slough to approximately 50% of its original prism profile. An approximate 13-foot by 4.5-foot oval-shaped remnant of the concrete 'cutoff wall' lies on the river bank parallel to the surface, approximately 24 feet upstream of the north abutment of the bridge.

See Drawing T-1, T-2, D-1 and D-2 for a general site map, detailed site map, plan and profile of existing alignment and proposed features, and details.

2.2.3 Work Elements - For purposes of this preliminary project description, the "work elements" are defined as those elements of work that will constitute the project description on which the project's regulatory permits will be based. The final design, means and methods for these work elements will be identified during the planning and permitting process:

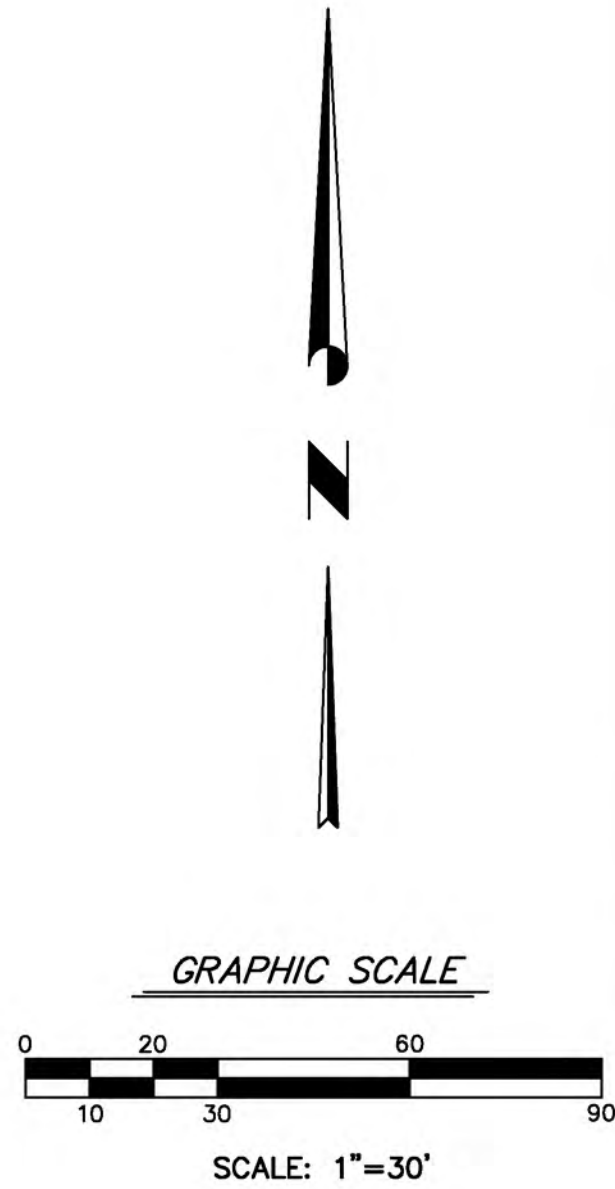
- **Pigging and Flushing** – Prior to removal, the pipeline crossing must be pigged and flushed to ensure that the any TPH contamination of the water in the retired pipeline crossing has a total petroleum hydrocarbon (TPH) content of less than 15 parts per million (PPM). Pigging and flushing will be accomplished from the southern end of the crossing (in the dirt lot south of the slough) to the cut end of the pipe protruding from the northern bank of the slough. The wastewater will be captured by a vacuum truck at the northern worksite and transported to approved offsite treatment and disposal.
- **Cementing** – Typical regulatory protocols for abandoned-in-place shoreline ends or segments of submarine pipeline crossings in California, and for pipeline segments abandoned-in-place in levees, is to install cement slurry plugs in all abandoned-in-place shoreline segments. Once the retired crossing has been pigged and flushed, and the flush water certified to less than 15 PPM TPH, the entire retired crossing will be filled with cement slurry from end to end.
- **Pipeline Southern Crossing Decommissioning** – Once the pipeline crossing has been filled with slurry, divers will excavate the slough bed around the northern end of the pipeline protruding from the northern bank. Divers will cut the pipeline at least 5 feet below the slough bed, recover the cut piece of pipe and then backfill the excavation with crushed rock. The reinforced concrete cutoff wall laying on the bank of the northern levee will also be removed during these decommissioning activities.
- **Pipeline Northern Crossing Decommissioning** – A slit trench will be excavated through the north levee and an approximately 50-foot section of the pipe will be cut and removed. The remaining pipe to the north will be capped and the trench backfilled and compacted to original contours and conditions.



SURVEY DATA:
BENCHMARK: LVD643
DATUM: NAVD83
ELEVATION: 9.09 FT
SURVEY DATE: NOVEMBER 2018

NOTES:
1); TOPOGRAPHIC SURVEY WAS MERGED WITH BATHYMETRIC SURVEY CONDUCTED BY eTRAC INC.
2); REFER TO SHEET 4 OF 4 FOR MISCELLANEOUS CONSTRUCTION DETAILS AND NOTES.

- LEGEND**
- PROPOSED LAYDOWN AREA
 - PROPOSED DISTURBED AREA
 - R-354 ALIGNMENT - RETIRED
 - LEVEE ALIGNMENT
 - APPROXIMATE WET LAND LIMITS
 - MEAN HIGH WATER LINE
 - JOIN LINE OF TOP OF BANK & EXCAVATION PIT (\pm)



YCE

INCORPORATED

Civil Engineering & Land Surveying

1387 Morse Avenue, Suite A - Eureka, CA 94003

Office: (800) 650-6905 Fax: (800) 677-4121

Email: yce@ycepasadena.com

LONGITUDE 123, INC.

2100 VALLEY MEADOW DRIVE

OAKVIEW, CA 94622

EMAIL: MSTEFFY@LONGITUDE123.NET

REGISTERED PROFESSIONAL ENGINEER

NO. 41700

CIVIL

STATE OF CALIF.

PG&E L-137B FRESHWATER SLOUGH

RETIRED CROSSING

DECOMMISSIONING PROJECT R-354

NO.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
1	01/15/19	PRELIMINARY - MISC. REVISION	TRC	SA	XXX
2	03/19/19	ADDED PROPOSED 8" TP GAS MAIN PER "AS BUILT" PDF FILE B-MAP00191654	TRC	JED	MVA
3	05/17/19	REPLACED ROCK LEVEE WITH CONCRETE MATS	CM	JED	MVA

DRAWING NO.

1018-08

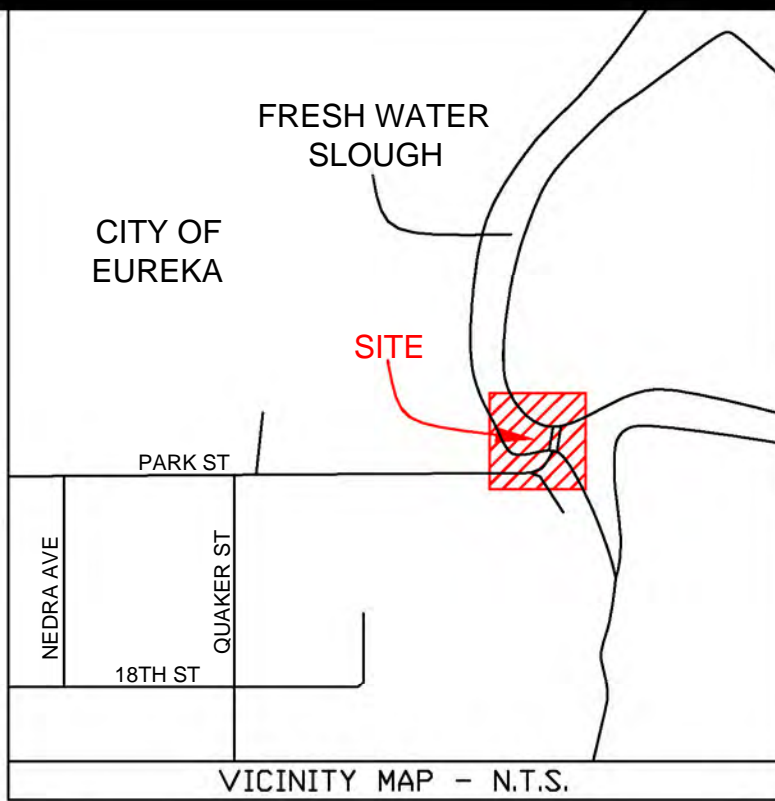
SHEET NAME:

LOCATION MAP

Sheet No.

T-1

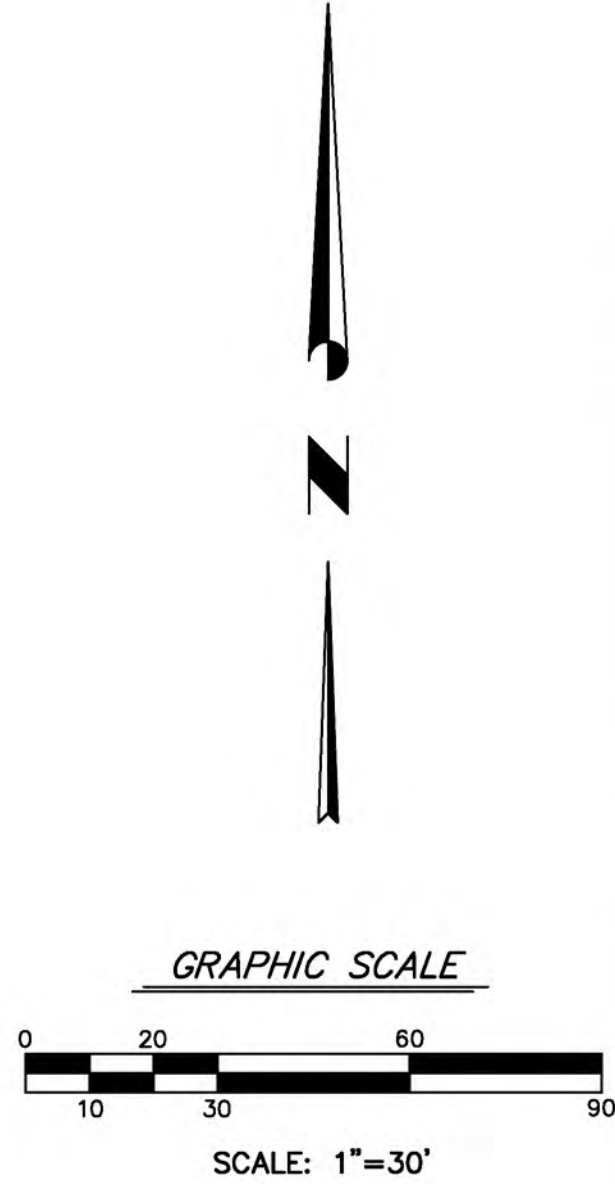
1018-08 L123 Eureka Decommissioning Plan - Fresh Water 20190517 CM



SURVEY DATA:
BENCHMARK: LV0643
DATUM: NAVD83
ELEVATION: 9.09 FT
SURVEY DATE: NOVEMBER 2018

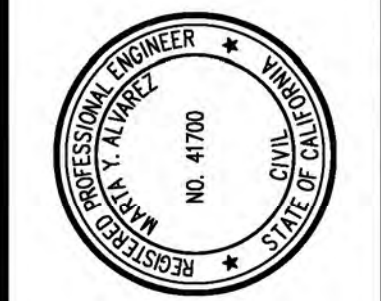
NOTES:
1); TOPOGRAPHIC SURVEY WAS MERGED WITH BATHYMETRIC SURVEY CONDUCTED BY eTRAC INC.
2); REFER TO SHEET 4 OF 4 FOR MISCELLANEOUS CONSTRUCTION DETAILS AND NOTES.

- LEGEND**
- PROPOSED LAYDOWN AREA
 - PROPOSED DISTURBED AREA
 - R-354 ALIGNMENT - RETIRED
 - LEVEE ALIGNMENT
 - APPROXIMATE WET LAND LIMITS
 - MEAN HIGH WATER LINE
 - JOIN LINE OF TOP OF BANK & EXCAVATION PIT (±)



YCE
INCORPORATED
Civil Engineering & Land Surveying
1387 Morse Avenue, Suite A - Eureka, CA 94003
Office: (800) 650-6995 Fax: (800) 677-1121
Email: yce@ycepai.com

LONGITUDE 123, INC.
2100 VALLEY MEADOW DRIVE
OAKVIEW, CA 94622
EMAIL: MSTEFFY@LONGITUDE123.NET



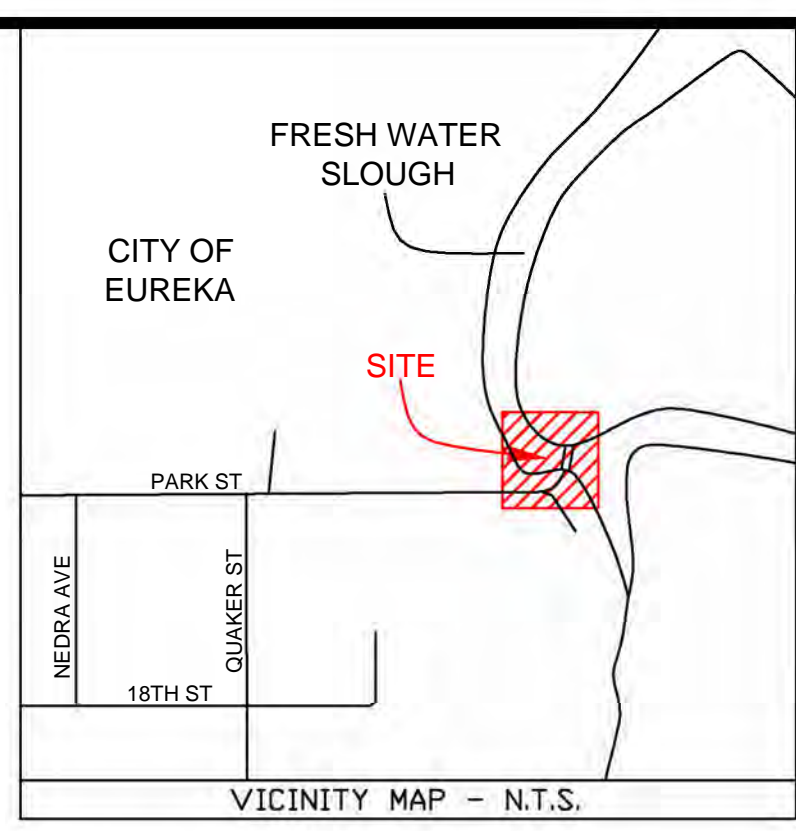
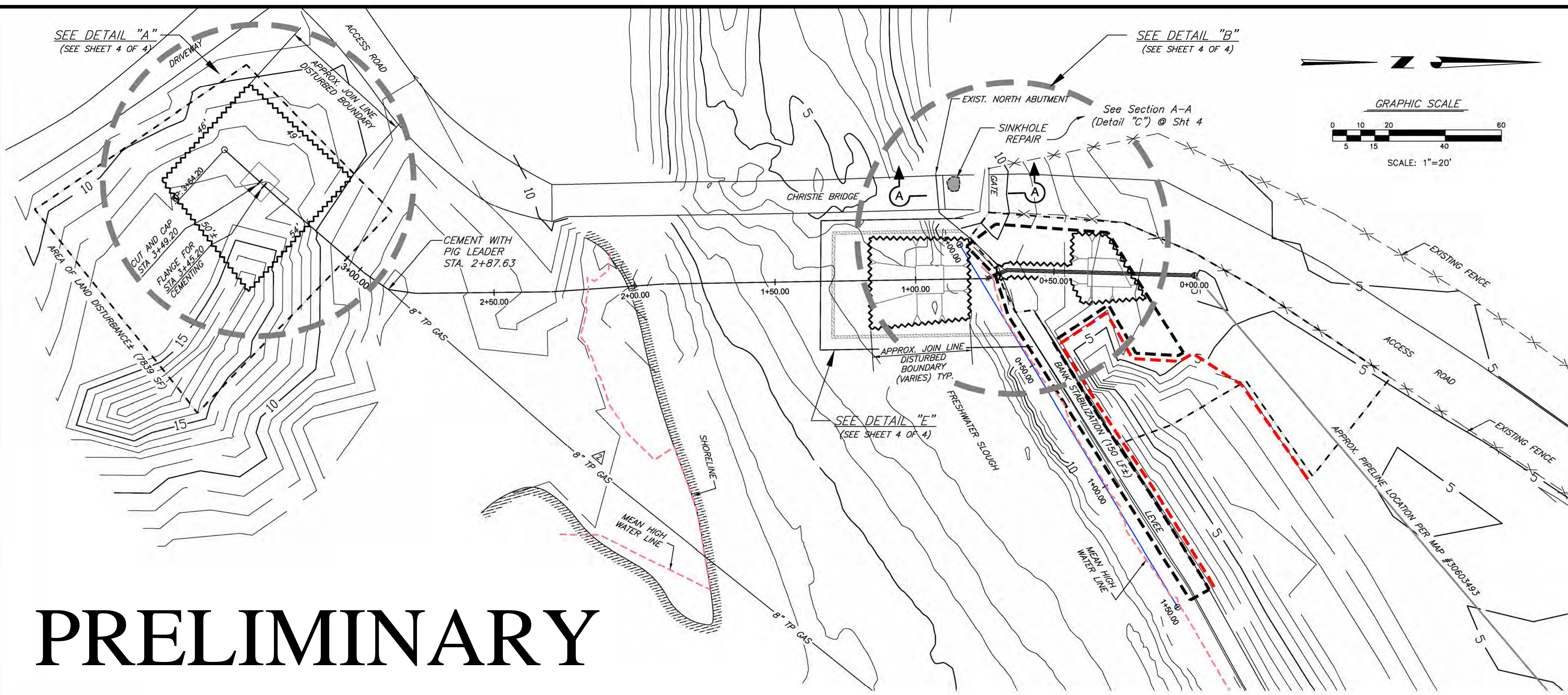
PG&E L-137B FRESHWATER SLOUGH
RETIRED CROSSING
DECOMMISSIONING PROJECT R-354

REVISIONS:		DATE:	DESCRIPTION:	DRAWN:	CHECKED:	APPROVED:
No.	DATE:	DESCRIPTION:	DRAWN:	CHECKED:	APPROVED:	
1	01/11/19	PRELIMINARY - MISC. REVISION	TRC	SA	XXX	
2	03/19/19	ADDED PROPOSED 8" TP GAS MAIN PER "AS BUILT" PDF FILE B-MAP000191654	TRC	JED	MVA	
3	05/17/19	REPLACED ROCK LEVEE WITH CONCRETE MATS	CM	JED	MVA	

DRAWING NO. 1018-08

SHEET NAME: SITE PLAN

Sheet No. T-2

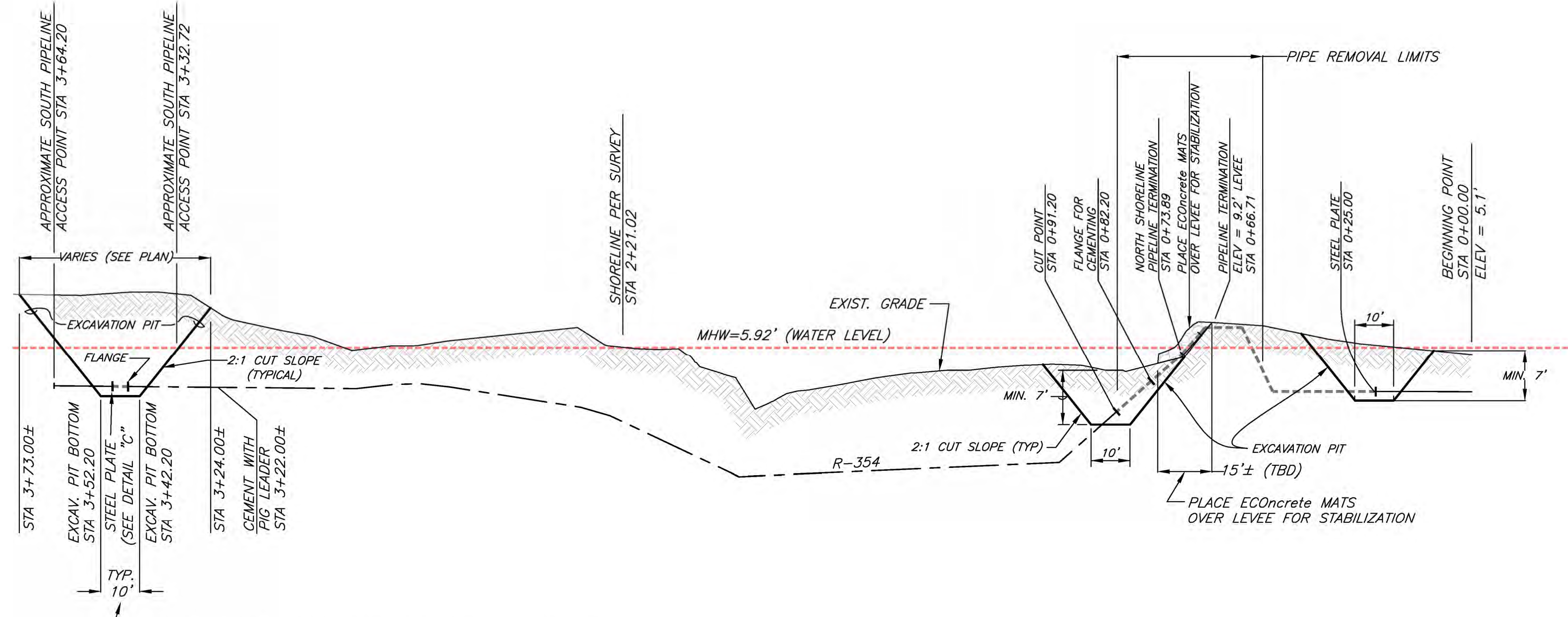


SURVEY DATA:
BENCHMARK: LV0643
DATUM: NAVD83
ELEVATION: 9.09 FT
SURVEY DATE: NOVEMBER 2018

NOTES:
1): TOPOGRAPHIC SURVEY WAS MERGED WITH BATHYMETRIC SURVEY CONDUCTED BY eTRAC INC.
2): REFER TO SHEET 4 OF 4 FOR MISCELLANEOUS CONSTRUCTION DETAILS AND NOTES.

- LEGEND**
- PROPOSED LAYDOWN AREA
 - PROPOSED DISTURBED AREA
 - R-354 ALIGNMENT - RETIRED
 - LEVEE ALIGNMENT
 - APPROXIMATE WET LAND LIMITS
 - MEAN HIGH WATER LINE
 - JOIN LINE OF TOP OF BANK & EXCAVATION PIT (±)

PRELIMINARY



- R-354 ORDER OF COMPLETION**
- 1) PIG AND FLUSH 8" PIPE FROM STA 3+45.20 TO STA 0+82.20.
 - 2) CEMENT 8" PIPE FROM STA 3+45.20 TO STA 0+82.20, INSTALL STEEL PLATES ON REMAINING ENDS, BACKFILL WITH SPOILS AND NATIVE SOILS.
 - 3) EXCAVATE SLOUGH BED, CUT AND REMOVE 8" PIPE FROM STA 0+91.20 TO STA 0+82.20, BACKFILL WITH CRUSHED ROCK.
 - 4) SLIT TRENCH LEVEE CROWN FROM STA 0+73.89 TO STA 0+40.00 AND EXCAVATE WORKING AREA FROM STA 0+40.00 TO STA 0+10.00.
 - 5) CUT AND REMOVE 8" PIPE FROM STA 0+73.89 TO STA 0+25.00, INSTALL STEEL PLATE ON REMAINING END, BACKFILL WITH SPOILS AND NATIVE SOILS.

YCE

INCORPORATED

Civil Engineering & Land Surveying

10119 18th Avenue, Suite 100, Eureka, CA 94003
(916) 443-0000 Fax: (916) 443-1791
www.yceinc.com

LONGITUDE 123, INC.

2100 VALLEY MEADOW DRIVE
OAK VIEW, CA 94022
(916) 443-0000 Fax: (916) 443-1791
www.longitude123.com

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
NO. 41700
CIVIL
SITE OF CIVIL

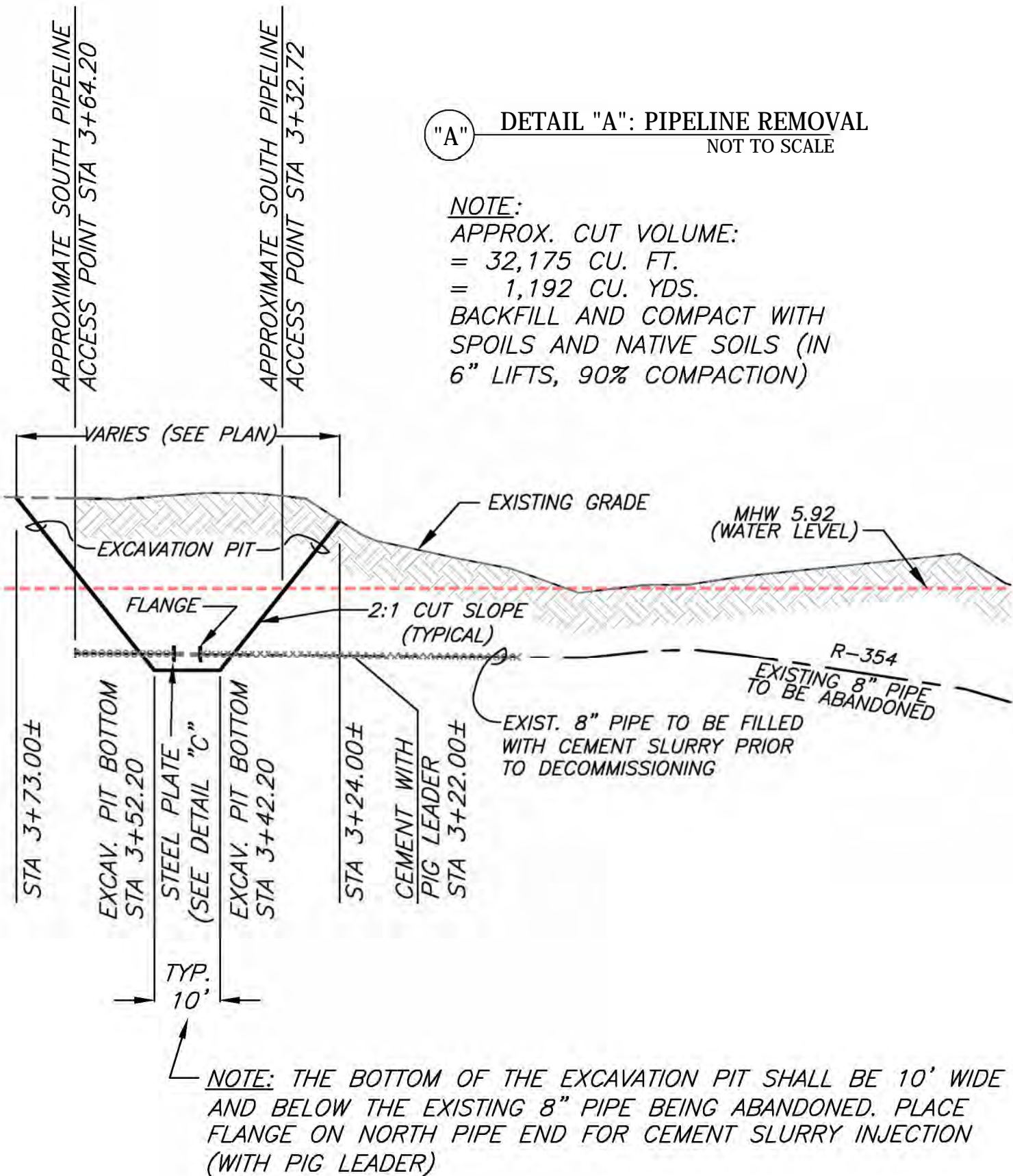
PG&E L-137B FRESHWATER SLOUGH
RETIRED CROSSING
DECOMMISSIONING PROJECT R-354

REVISIONS:	DATE:	DESCRIPTION:	DRAWN:	CHECKED:	APPROVED:
1	01/11/19	PRELIMINARY - MISC. REVISION	TRC	SA	XXX
2	03/19/19	ADDED PROPOSED 8" TP GAS MAIN PER "AS BUILT" PDF FILE B-MAP000191654	TRC	JEQ	MVA
3	06/17/19	REPLACED ROCK LEVEE WITH CONCRETE MATS	CM	JEQ	MVA

DRAWING NO.
1018-08

SHEET NAME:
PLAN AND PROFILE

Sheet No.
D-1

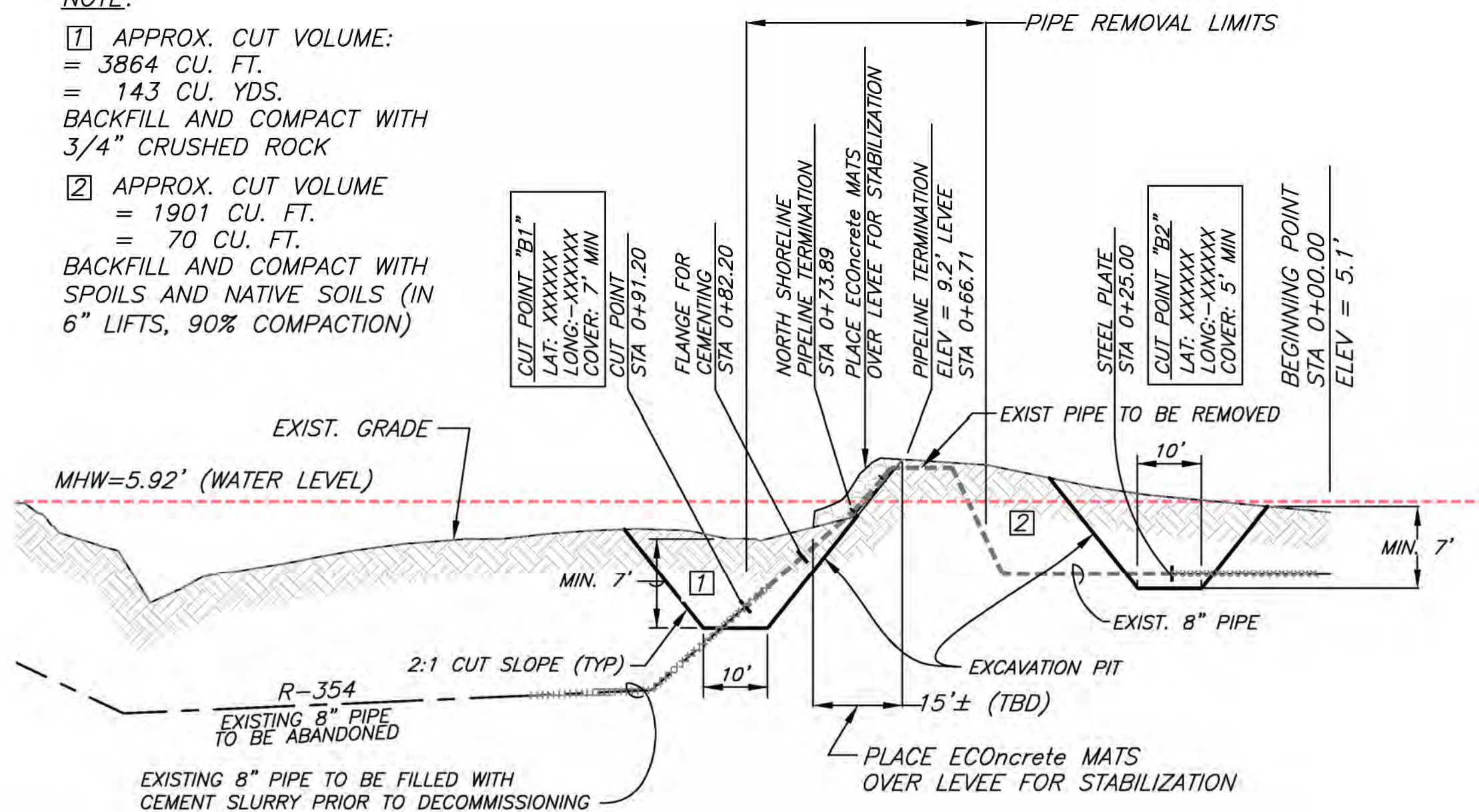


"B" DETAIL "B": PIPELINE REMOVAL
NOT TO SCALE

NOTE:

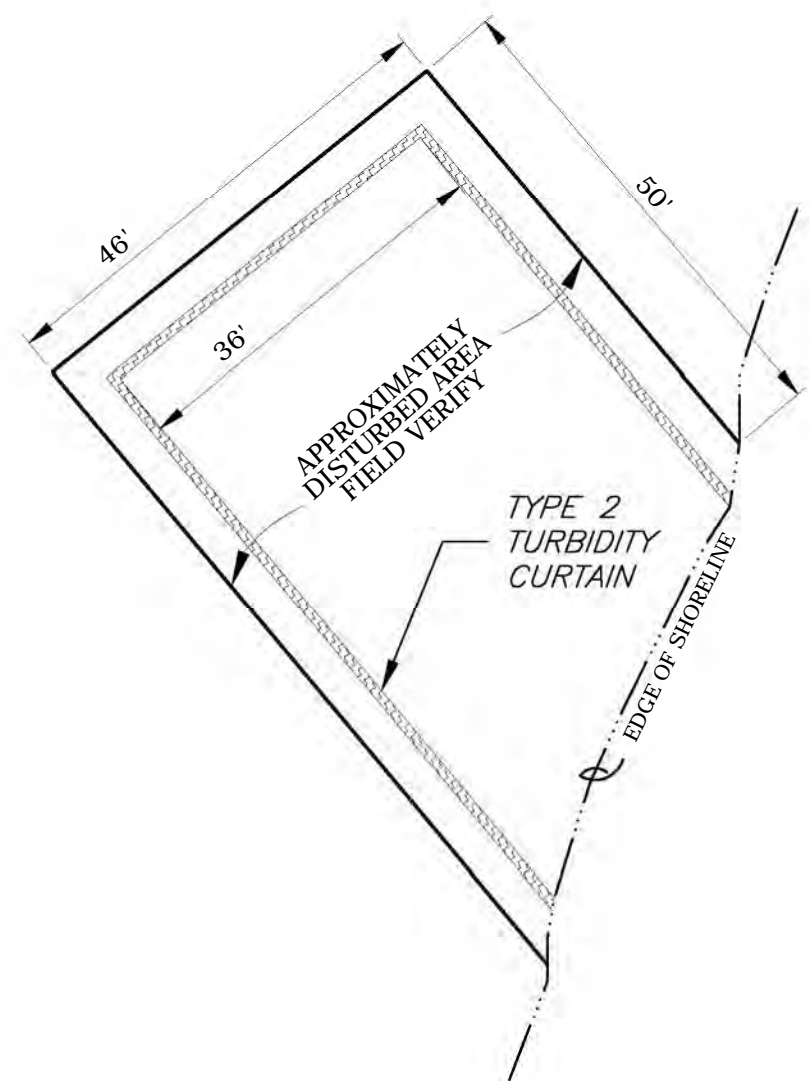
1 APPROX. CUT VOLUME:
= 3864 CU. FT.
= 143 CU. YDS.
BACKFILL AND COMPACT WITH
3/4" CRUSHED ROCK

2 APPROX. CUT VOLUME
= 1901 CU. FT.
= 70 CU. YDS.
BACKFILL AND COMPACT WITH
SPOILS AND NATIVE SOILS (IN
6" LIFTS, 90% COMPACTION)



SCALES: 1" = 20' (HORIZ)
1" = 10' (VERT)

"E" DETAIL "E": TURBIDITY CURTAINS
NOT TO SCALE



GENERAL NOTES:

1): ACTUAL CUT POINT TO BE DETERMINED IN FIELD AT TIME
OF DECOMMISSIONING BY CONTRACTOR'S PROJECT
MANAGER OR PG&E PROJECT ENGINEER. LOCATION OF
FINAL CUT POINT TO BE DETERMINED BY DEPTH OF
COVER (MINIMUM 5' OF COVER) AND AS CLOSE THE
SHORELINE AS POSSIBLE WITHOUT DISTURBING SHORELINE
HABITAT RESOURCES.

2): TOPOGRAPHIC SURVEY WAS MERGED WITH BATHYMETRIC
SURVEY CONDUCTED BY eTRAC INC.

3): SURVEY DATA:

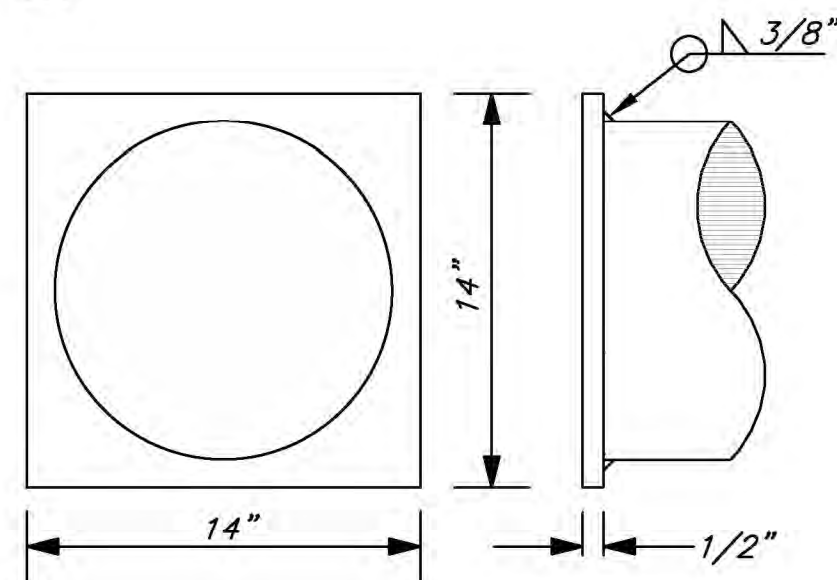
BENCHMARK: LVO643

DATUM: NAVD88

ELEVATION: 9.09 FT

SURVEY DATE: NOVEMBER 2018

"C" DETAIL "C": PIPELINE TERMINATION
NOT TO SCALE

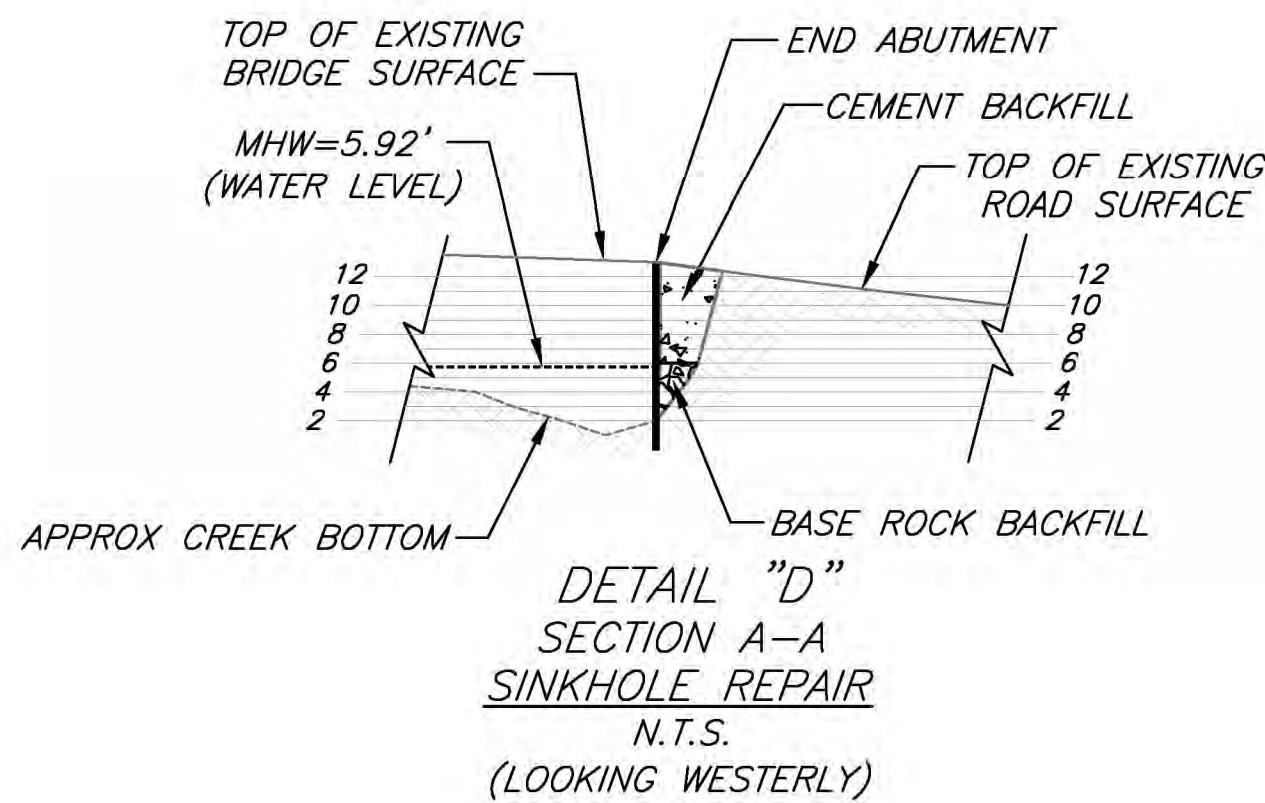


1/2" A36 STEEL PLATE NOTES:

1): WELDED STEEL CAPS ON ALL TERRESTRIAL
PIPE ENDS TO BE ABANDONED IN PLACE.

2): PIPE CAP MATERIALS 1/2" A36 STEEL
PLATE, 14" X 14"

3): ALL WELDING E7018



REVISIONS:		DATE:	BY:	CHKD:	APPROVED:
1	PRELIMINARY - MISC. REVISION	01/15/19	TRC	SA	XXX
2	ADDED PROPOSED 8" TP GAS MAIN PER "AS BUILT" FOR FILE B-MAP00191654	03/19/19	TRC	JEQ	MVA
3	REPLACED ROCK LEVEE WITH ECOncrete MATS	05/17/19	CM	JEQ	MVA

DRAWING NO.
1018-08

SHEET NAME:
MISC DETAILS & NOTES

Sheet No.
D-2



- **Shoreline Stabilization Mats Installation** – EConcrete mats will be installed on the waterside slope and over the crown of the northern levee. EConcrete’s unique chemical and physical properties enhance the ability of the mattress to encourage growth of marine flora and fauna, increase species richness, reduce the dominance of invasive species and elevate biodiversity. The specific concrete matrix used for the casting will be defined according to the project’s distinct constructive and biological requirements. The mats are expected to extend approximately 150 feet from the eastern edge of the bridge abutment wing-wall. The mats are articulated and will generally contour to the as-found waterside slope. The mats will lay over the crown of the levee to reduce terrestrial erosion and secure the mats in place.
- **Abutment Backfill** – Fill the existing small void behind the abutment with rock backfill and then cement slurry.

2.3 RT-102 – L177A Ryan Creek Erosion Remediation Project Description

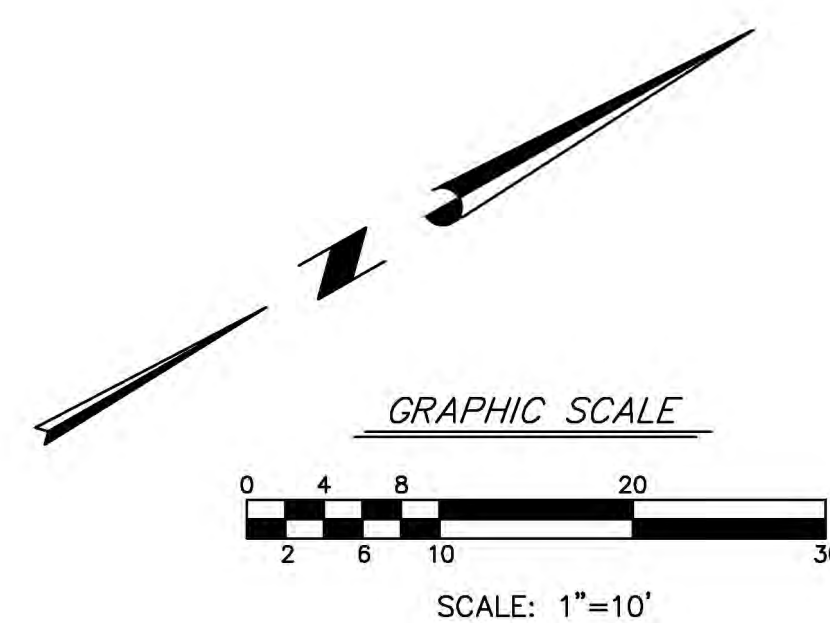
2.3.1 Location - The RT-102 project is located west of Mitchell Road in Eureka, California, County of Humboldt along Ryan Creek, at PG&E L-177A MP 191.67. L-177A is a 12-inch diameter steel pipeline buried longitudinally in an earth berm that runs along the west side of Ryan Creek. The berm is the remains of a railroad track foundation (no track present) and was previously used as an off-road vehicle access road by Green Diamond Resource Company. The berm is apparently constructed on top of an abandoned redwood plank roadway. The property was purchased by Humboldt County in 2014 and is now known as the McKay Community Forest.

2.3.2 Facilities - L-177A is an active carrier pipeline that has become exposed in a sink hole that has developed in the berm. This large sink hole and two other smaller sink holes located near the larger sink hole are apparently the result of stormwater flows coming off the adjoining slope and eroding through the redwood plank roadway underlying the earth berm and into Ryan Creek.

See Drawings T-1, T-2 and T-3 for a site map, plan and profile, and construction details of the erosion area and remediation elements.

2.2.3 Work Elements - For purposes of this preliminary project description, the “work elements” are defined as those elements of work that will constitute the project description on which the project’s regulatory permits will be based. The final design, means and methods for these work elements will be identified during the planning and permitting process:

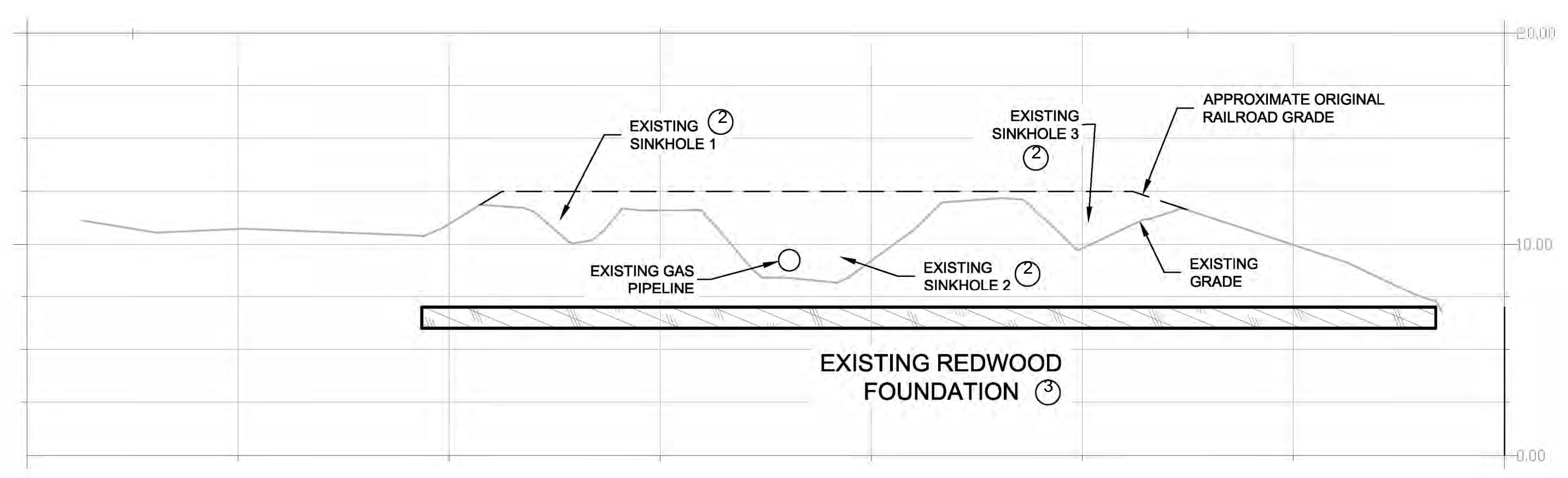
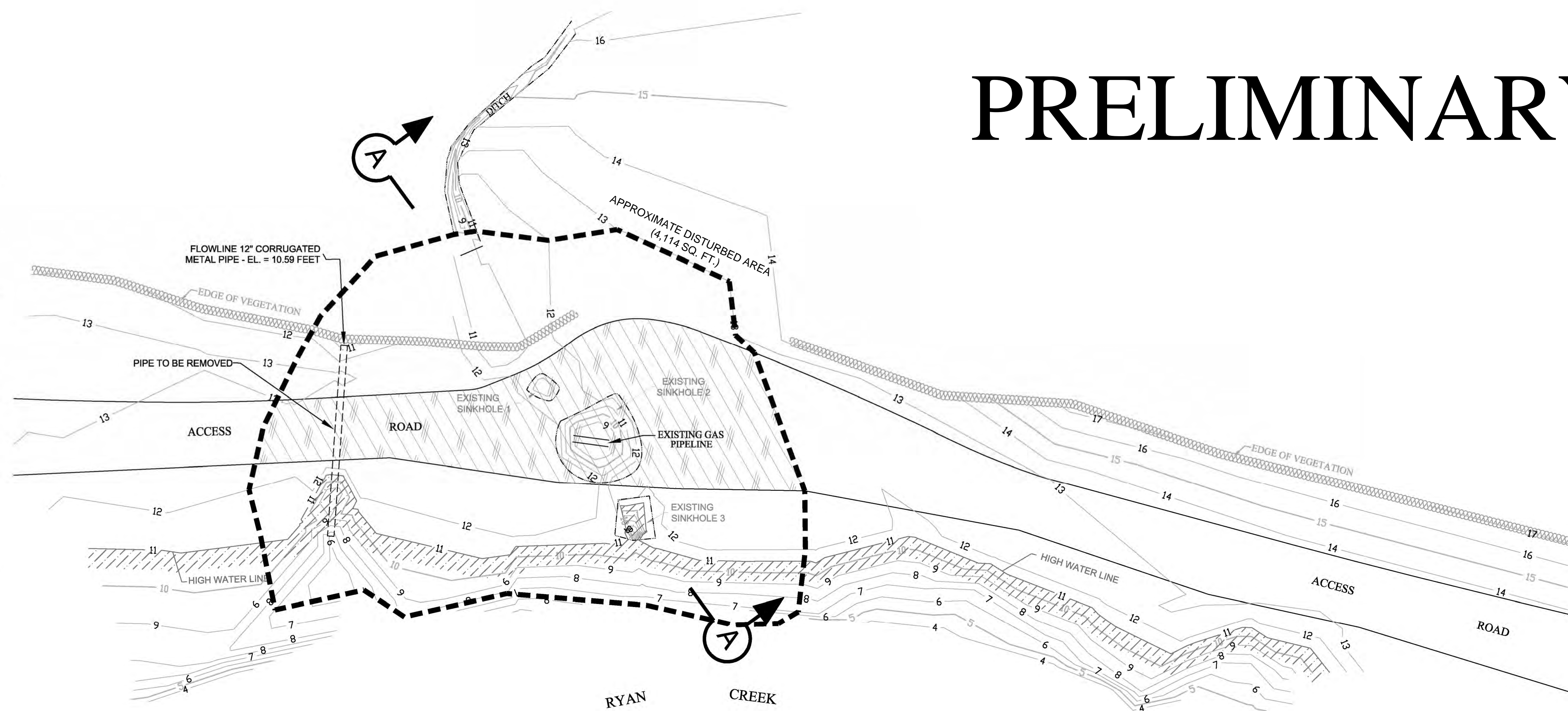
- **Excavate the Berm at the Sink Hole** – Excavate and open the berm across all three sinkholes to expose the pipeline and the wood sub-base underneath of it. Remove all timber and debris underlying the earth berm.
- **Install Anti-Corrosive Coating System on Exposed Pipeline** - If necessary, sandblast or descale the corroded areas of the exposed pipeline and coat.
- **Reconstruct the Berm at the Sink Hole Location** - Backfill and compact the berm in prescribed lifts in preparation for the installation of the low flow swale.
- **Construct a Low Flow Swale Crossing Across the Top of the Berm** - Construct the rock-based low flow swale across the top of the berm to the design specifications. This will include extending the Crossing west of the berm into the ravine area to properly channel the run-off from the ravine into Ryan Creek.



- LEGEND**
- PROPOSED LOW FLOW TRENCH
 - PROPOSED RIPRAP
 - EXISTING REDWOOD FOUNDATION
 - FLOW DIRECTION
 - DISTURBED AREA

- CONSTRUCTION NOTES**
- SINKHOLES TO BE EXCAVATED, BACKFILLED, AND COMPACTED DURING RECONSTRUCTION.
 - EXISTING REDWOOD FOUNDATION TO BE REMOVED PRIOR TO BERM RECONSTRUCTION.

- RT-102 ORDER OF COMPLETION**
- EXCAVATE BERM ACROSS PROJECT AREA.
 - DEMOLISH AND REMOVE REDWOOD FOUNDATION.
 - BACKFILL AND COMPACT BERM WITH SPOILS AND NATIVE SOILS.
 - CONSTRUCT ARIZONA CROSSING OVER TOP OF BERM.



SECTION A-A
SCALES: 1"=5'

PRELIMINARY

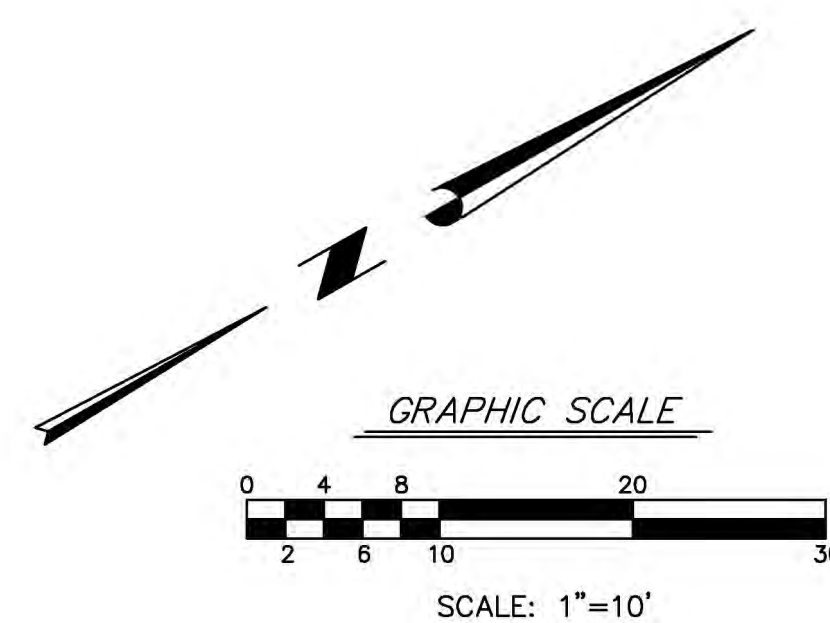
PG&E PIPELINE RT-102
PIPELINE EROSION REMEDIATION
PROJECT

REVISIONS:		DATE:	DESCRIPTION:	DRAWN:	CHECKED:	APPROVED:
No.	1	01/25/19	PRELIMINARY - MISC. REVISION	JED	SA	XXX
	2	05/17/19	EXTENDED AZ XING S-IV, REMOVED 12" PIPE	CM	JED	MVA

DRAWING NO. 1018-08

SHEET NAME:
EXISTING CONDITION
PLAN AND PROFILE

Sheet NO. T-2

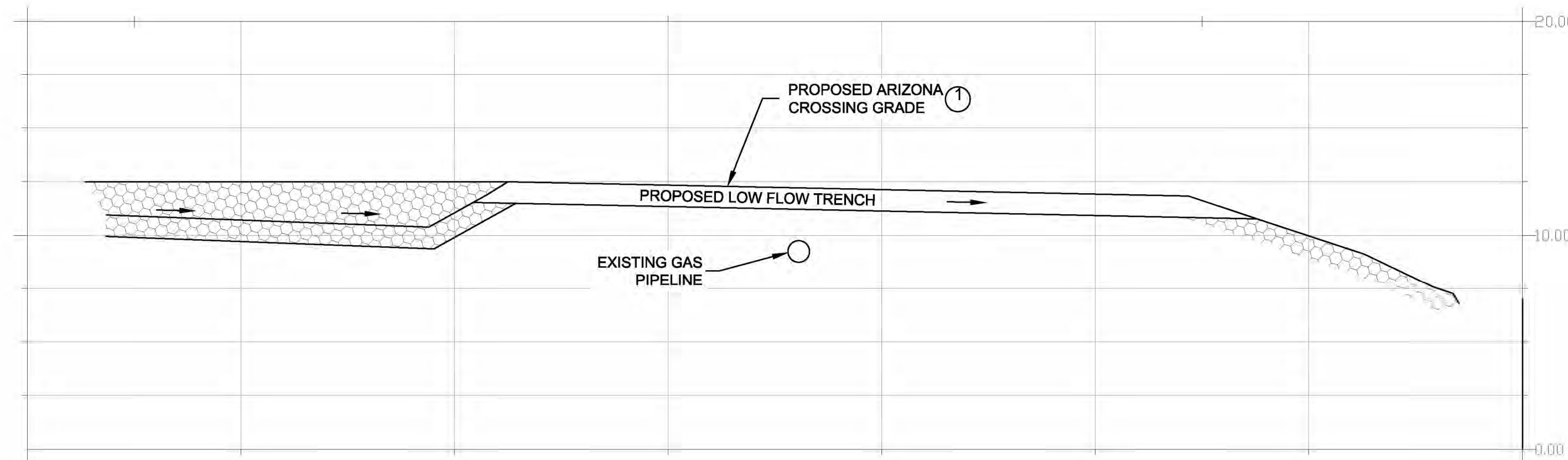
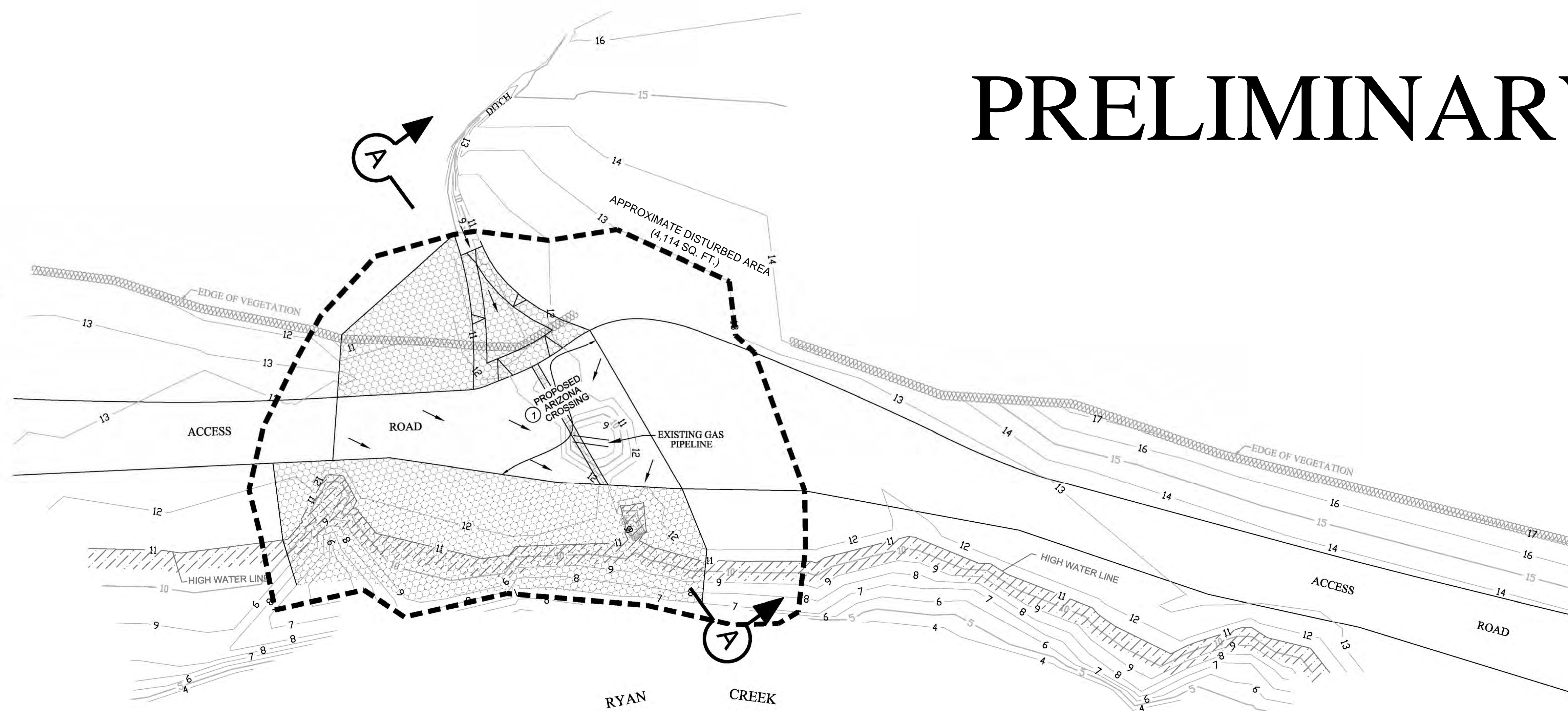


- LEGEND**
- PROPOSED LOW FLOW TRENCH
 - PROPOSED RIPRAP
 - EXISTING REDWOOD FOUNDATION
 - FLOW DIRECTION
 - DISTURBED AREA

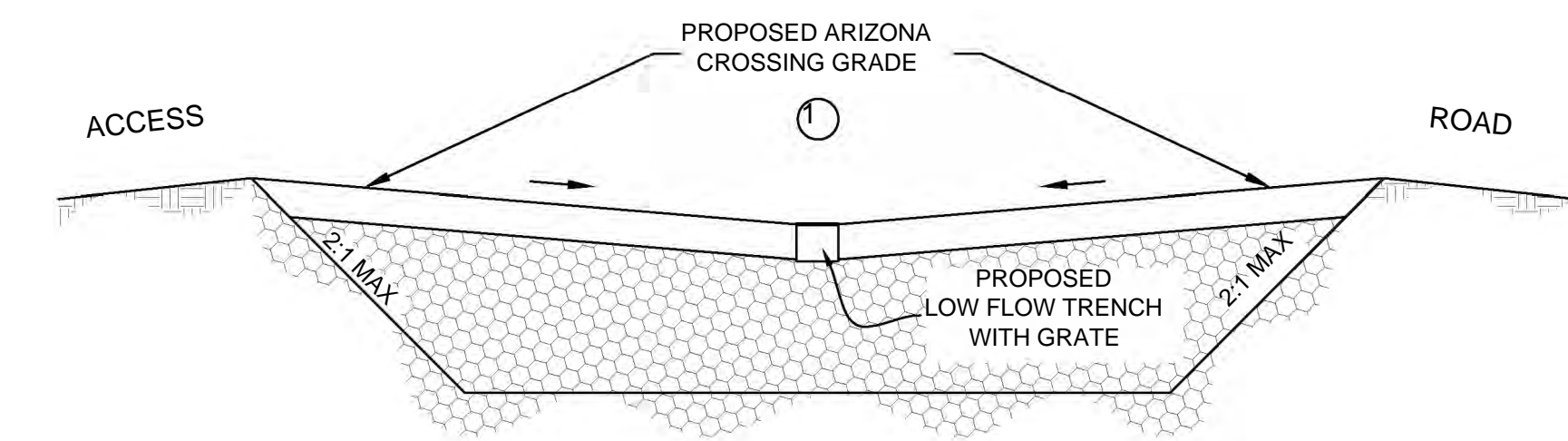
CONSTRUCTION NOTES

1) PRELIMINARY DESIGN FOR ARIZONA CROSSING PER THE 4' X 2' CONCRETE BOX CULVERT SHOWN ON PACIFIC WATERSHED ASSOCIATES HYDROLOGY AND HYDRAULICS ANALYSIS WILL BE NEEDED TO FINALIZE THE ARIZONA CROSSING DESIGN, CONSTRUCTION MATERIAL, AND LOW FLOW PIPE SIZE AND QUANTITY. DESIGN SUBJECT TO CHANGE BASED ON STUDY.

- RT-102 ORDER OF COMPLETION**
- 1) EXCAVATE BERM ACROSS PROJECT AREA.
 - 2) DEMOLISH AND REMOVE REDWOOD FOUNDATION.
 - 3) BACKFILL AND COMPACT BERM WITH SPOILS AND NATIVE SOILS.
 - 4) CONSTRUCT ARIZONA CROSSING OVER TOP OF BERM.



SECTION A-A
SCALES: 1"=5'



DETAIL A: ARIZONA CROSSING PROFILE
N.T.S.

REVISIONS:			
No.	DATE	DESCRIPTION	APPROVED
1	01/25/19	PRELIMINARY - MISC. REVISION	XXX
2	05/17/19	EXTENDED AZ XING S-L, REMOVED 12" PIPE	MFA

DRAWING NO. 1018-08

SHEET NAME: COMPLETE CONDITION PLAN AND PROFILE

Sheet NO. T-3



3. ANTICIPATED REGULATORY APPROVALS

We anticipate this project will require the regulatory approvals outlined in Table 1. Pre-application meetings with the regulatory agencies were held in April to solicit agency feedback regarding preliminary project design and potential environmental concerns. Agency pre-application meetings will help facilitate preparation of a complete permit application package and appropriately address environmental impacts.

Table 1. Anticipated Regulatory Permit Requirements for the Eureka Project Bundle				
Agency	Permit / Approval	R-354 Site	R-519 Site	RT-102 Site
Federal Agencies				
U.S. Army Corps of Engineers	Section 404 Clean Water Act and/or Section 10 Rivers and Harbors Act	NWP-12 (Utility Line Activities) NWP 13 (Bank Stabilization)	NWP-12 (Utility Line Activities)	NWP-7 (Outfall Structures) NWP-3 (Maintenance)
U.S. Fish and Wildlife Service	Federal Endangered Species Act	Section 7 Consultation	Section 7 Consultation	Section 7 Consultation
National Marine Fisheries Service	Federal Endangered Species Act / Essential Fish Habitat Review (Magnuson-Stevens Act)	Section 7 Consultation / EFH Review	Section 7 Consultation / EFH Review	Section 7 Consultation / EFH Review
State Agencies				
California Coastal Commission	Coastal Zone Management Act	Coastal Development Permit	Coastal Development Permit	Coastal Development Permit
California Department of Fish and Wildlife	Section 1600 California Fish and Game Code	Streambed Alteration Agreement	Streambed Alteration Agreement	Streambed Alteration Agreement
Regional Water Quality Control Board	Section 401 Clean Water Act / Porter-Cologne Water Quality Act	Water Quality Certification	Water Quality Certification	Water Quality Certification
Local Agencies				
Humboldt Bay Harbor Recreation and Conservation District	Humboldt Bay Management Plan	Harbor District Development Permit	Harbor District Development Permit	N/A (located outside primary area of concern)

4. PROPOSED PERMITTING AND CONSTRUCTION SCHEDULE

PG&E intends to submit regulatory permit applications in summer 2019 once project design is complete. PG&E would like to complete the construction of these pipeline crossing maintenance projects during the July 1 to October 15 aquatic species work window in 2020.

COMMISSIONERS

1st Division

Larry Doss

2nd Division

Greg Dale

3rd Division

Stephen Kullmann

4th Division

Richard Marks

5th Division

Patrick Higgins

Humboldt Bay
Harbor, Recreation and Conservation District
 (707) 443-0801
 P.O. Box 1030
 Eureka, California 95502-1030

**STAFF REPORT – HARBOR DISTRICT MEETING****May 23, 2019**

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

PREPARED BY: Bernadette Clueit, Harbor Specialist III

TITLE: Emergency Permit E-2019-03 Repair/Replacement of Tide Gates on Airport Road

RECOMMENDATION: Staff recommends the Board: Accept notification of the following Emergency Permit issued by the Executive Director.

BACKGROUND: On December 21, 2018, the California Department of Transportation (Caltrans) was notified of a failure of the dual box tide gate system located at post mile 80.8 on Highway 101 northbound behind the Farm Store on Airport Road. Inspections showed that one tide gate had failed completely and the other gate was partially failed, allowing water from Eureka Slough to backflow through the system into the adjacent fresh water drainage channel. The influx of water into this channel caused substantial flooding affecting multiple businesses along Jacobs Avenue, county roadway, state Highway and a mobile home park. The failure of the tide gates combined with the extreme high tides of December 2018 and the significant storm events resulted in a determination that emergency repairs were necessary to prevent or mitigate loss of, or damage to, life, health, property, and essential public services.

DISCUSSION: Between December 26, 2018 and January 24, 2019 the tide gate system, including broken sluice gates on the ditch side of the system, required repeated temporary repairs to maintain functionality. Caltrans proposed a permanent emergency repair project that would replace the existing sluice gates, chain link fence debris racks, and standard top-hinged rectangular flap gates. Because the Eureka Slough is designated critical habitat for listed salmonids and the Tidewater Goby, the replacement gates are a side opening fish-friendly design that improve fish passage conditions and ensure proper muted tidal flow to maintain appropriate salinity levels for perpetuating previous habitat conditions.

Repair work was additionally authorized under emergency permits from the U.S. Army Corps of Engineers, the California Coastal Commission, North Coast Regional Water Quality Control Board, and California Department of Fish and Wildlife and was completed over the period March 25 – 29, 2019. All in-water work occurred at low tide periods and within the existing concrete structure of the tide gate system. Appropriate erosion control best management practices were maintained in the project areas.

District staff determined that the project is exempt from CEQA pursuant to a statutory exemption for emergency projects, Section 15269 (b) and (c).

ATTACHMENTS:

A. Permit E-2019-03

COMMISSIONERS

1st Division

Larry Doss

2nd Division

Greg Dale

3rd Division

Stephen Kullmann

4th Division

Richard Marks

5th Division

Patrick Higgins

Humboldt Bay
Harbor, Recreation and Conservation District
 (707) 443-0801
 P.O. Box 1030
 Eureka, California 95502-1030



May 23, 2019

EMERGENCY PERMIT

Permittee:

Trevor Goff
 California Department of Transportation
 1656 Union Street
 Eureka, CA 95501

RE: Emergency replacement of the dual tide gates at post mile 80.8 behind the Farm Store on Airport Road off Route 101

Emergency Permit No. E-2019-03

Dear Mr. Goff,

This is to inform you that as Executive Director of the Humboldt Bay Harbor, Recreation and Conservation District (District), I have made the determination that due to the repeated number of temporary repairs, the continued risk of flooding from Eureka Slough to the state and local transportation infrastructure and Jacobs Avenue businesses, and the high potential for failure of the referenced tide gate system, there was an imminent threat necessitating emergency action to replace the dual tide gates at the project site. The emergency work was consistent with the policies, resolutions and ordinances of the Harbor District and of the Harbors and Navigation Code, Appendix II, Section 24 as amended.

The District has approved your application as detailed in the attached Exhibit A for the above referenced purpose. It is the District's understanding that the following standard conditions for this type of project were followed:

1. Work will only occur during low tide periods.
2. Any in-water work requires a Spill Prevention, Control and Countermeasure (SPCC) plan. Spill kits with appropriate contents will be maintained at the project site. Kits shall be equipped with enough material to provide preliminary containment for a volume of material that can reasonably be expected to spill. Booms will be available to contain spilled materials.
3. All appropriate erosion control measures and standard best management practices will be used as necessary to minimize bank erosion, sediment input and water turbidity.

4. All construction debris shall be removed from the site and disposed of only at an authorized disposal site. Sidecasting of such material or placement of any such material within Humboldt Bay or any wetland area is prohibited.
5. All work authorized by this Permit shall further be subject to the approval of the following public agencies:
 - a. California Coastal Commission
 - b. United States Army Corps of Engineers
 - c. North Coast Regional Water Quality Control Board
 - d. California Department of Fish and Wildlifeand Permittee shall fully comply with all regulations and conditions affecting such work as imposed by the above agencies.

Neither the Humboldt Bay Harbor, Recreation and Conservation District, nor its Board of Commissioners, nor any Officer of the District shall be liable to any extent for the injury or damage to any person or property or for the death of any person arising out of or connected with the work authorized by this Permit, and the Permittee shall indemnify and hold this Harbor District, its Commissioners and Officers free and harmless from any liability for any such injury, death or damages.

This Permit is valid as of this date for a period of one (1) year. Appeals may be made at the next regular session of the Board at 7:00 p.m. in the Woodley Island Marina Meeting Room.

Please sign and return the original of this letter if this Permit and its contents are fully understood. A copy is enclosed for your files. The acknowledgement should be returned within ten (10) days following permit issuance.

Permittee

Date

If there are any questions with regard to this Permit, please contact this office referring to the permit number indicated above.

Sincerely,

Larry Oetker
Executive Director

cc: Board of Commissioners
District Planner

Attachment

**HUMBOLDT BAY HARBOR, RECREATION AND
CONSERVATION DISTRICT**

P.O. BOX 1030
Eureka, California 95502
phone (707) 443-0801
fax (707) 443-0800

RECEIVED

MAY 03 2019

H.B.H.R. & C.D.**PERMIT APPLICATION**

Date Filed _____

General Information	For District Use
1.) Name, Address, phone # and email of Developer, Project Sponsor and Legal Owner Caltrans: Trevor Goff 1656 Union Street Eureka, CA 95501 Trevor.Goff@dot.ca.gov 707-445-6598	A. Application No. <u>E-2019-03</u> Application Type: Franchise <input type="checkbox"/> Permit <input type="checkbox"/> Lease <input type="checkbox"/>
2.) Address of Project and Assessor's block, lot and Parcel Number Near US Highway 101 in Humboldt County post mile 80.8 behind the farm store on Airport Road.	B. Date Received by Harbor District
3.) Contact person Name, Address, phone # Cassie Nichols 1656 Union Street Eureka, CA 95501 Cassie.Nichols@dot.ca.gov 707-441-4570	C. Date Accepted for filing by Commission
4.) Attach list of names and addresses of all adjoining property owners See Attachment	D. Date of Public Notice
5.) List and describe any other related Project Permits & Other Public Approvals required, including those required by City, Regional, State & Federal Agencies. -U.S. Army Corps of Engineers Regional General Permit 5 -North Coast Regional Water Quality Control Board 401 Certification - California Department of Fish and Wildlife Lake and Streambed Alteration 1610 -California Coastal Commission Emergency Waiver -California Coastal Commission Emergency Permit -California Coastal Commission Coastal Development Waiver	E. Date of Environmental Compliance
6.) Existing City/County Zoning Highway: US 101 South	F. Date of Public Notice
7.) Proposed Site Use (Project Title) Emergency Tide Gate Replacement	G. Date of Public Hearings
	H. Date of Commission Action Approval: _____ Conditional _____ Disapproval _____
	I. Expiration Date
	Comments

Describe proposed project

A failure of the dual tide gate system off Airport Road, where the 101 drainage outlets to Eureka Slough (behind the Farm Store on Jacobs Avenue near Highway 101, post mile [PM] 80.8), was reported on December 21, 2018. Upon inspection, it was discovered one flap gate was completely broken and the other flap gate was partially broken. The failed gate allowed water from the Eureka Slough to backflow through the system into the fresh water drainage channel adjacent to private property owners and the highway. The uncontrolled backflow of water from the Eureka Slough caused the water level in the drainage ditch to rise above normal levels, thus impacting adjacent private property owners and the highway ditch. Private properties included the Farm Store, auto dealership, a mobile home park and several businesses.

Failure to complete required repairs in a timely manner would have caused further damage to infrastructure including the County roadway, state Highway, private property, and businesses adjacent to the drainage structure and 101 drainage ditch. This emergency project was necessary to prevent or mitigate loss of, or damage to, life, health, property, and essential public services.

The initial repair consisted of repairing the broken hardware on a "right" flap gate arm. The arm was evaluated and repaired on the evening of 12/26/2018 and a more detailed inspection was made of the drainage facility during negative tide conditions. The inspection indicated significant wear and decay to other metal components associated with the tide gate system which required additional repairs to keep the system functional and serviceable. These repairs included replacement of the broken sluice gates on the ditch side of the tide gate structure.

On the morning of 12/27/2018 (within less than 24 hours of the initial repair), it was found that the same "right" flap gate failed again but in a different location—this time associated with the hinge assembly. Temporary measures were installed (plywood baffles) to keep the tide gate system functional (to prevent any potential flooding) and new temporary components were fabricated to make a second repair to the flap gate. The repairs consisted of replacing both hinges with temporary steel hardware, repairing the frame, and welding stress cracks found in the flap gate itself during hinge repair operations.

A third repair was made to the "left" flap gate on 1/24/2019 after multiple stress cracks were found to the flap gate itself while monitoring water flow and functionality of the tide gate structure. The stress cracks were welded to temporarily strengthen the flap gate and maintain functionality.

The repairs were required to maintain functionality of the tide gate system while the replacement fish-friendly tide gates and sluice gates were being manufactured. The gates were custom made and required precise dimensions and design time prior to beginning the manufacturing process. All necessary dimension gathering and design information was gathered as quickly as possible. The tide gates were manufactured by

Nehalem Marine Manufacturing, a small company which specializes in design and manufacturing of fish-friendly tide gates and tide gate regulatory components. Failure to complete installation of the gates in a timely manner would have led to further loss of tide gate structure functionality and would have had impact to the adjacent properties and infrastructure.

Caltrans worked with the tides to ensure the least impact possible. The goal was to work when there was very little change in the tidal swing. The old top-hinge gates and associated hardware were removed, and the two new fish-friendly gates lowered into each bay by equipment staged on the access road above. Additionally, the sluice gates at the inlet of the culvert system, designed to facilitate maintenance and function of the tide gates, were replaced. The planned amount of time to remove and install each gate while working in the system was around 4-5 hours per gate. Total construction, including staging, preparing for installation and correct tide levels, consisted of 5 days.

Work began during the low flow period of the outgoing tide. Flow from the 101 Slough into the work area was blocked via a "temporary diversion dam". The temporary diversion dam consisted of a steel baffle inserted into the existing channel slats that hold the existing debris racks (chain link barrier) at the upstream side of the inlet headwall. A ladder was used to allow access for one or two workers to enter the concrete structure and insert pumps to draw water out of the work area. Prior to pumping the water out of the work area, National Marine Fisheries Service, California Department of Fish and Wildlife, United States Fish and Wildlife Service, and Caltrans Biologists provided fish exclusion and removal. To remove enough water for the prime contractor and Nehalem Marine Manufacturing to work efficiently, both the inlet and outlet were baffled off. Any water leaking beyond the baffles was collected and pumped (using fish screens to avoid uptake of aquatic life) into the Eureka Slough.

All in water work took place within the existing concrete structure, and never left the concrete structure. The work area in the structure was comprised of approximately 8 feet at the outlet and bay side baffle, 26 feet culvert length, and 18 feet between the inlet and ditch side baffle—totaling 52' by about 5' width throughout. This same area applied to the second box culvert. Only one culvert was worked on at a time. Ladder access was needed from both sides of the culvert, which greatly reduced foot traffic through the culvert.

Straw waddles (erosion control BMP's) were maintained on either side of a county-owned access road that extends from Airport Road along the levee to the tide gate. Any disturbed soil on the access road was covered in straw to prevent erosion and the existing stabilized construction entrance will continue to be maintained.

PRE-PROJECT EELGRASS CHECKLIST

Please complete the Eelgrass Pre-project Checklist below. Note that the checklist questions relate to the Area of Potential Effect (APE) associated with your project, which incorporates a surrounding buffer inclusive of the limits of potential construction and/or maintenance-related activities that could affect eelgrass habitat. Provide a copy of the completed questionnaire along with your permit application and a map depicting the proposed project location, potential eelgrass depth range -10 to +4 feet, and benchmark eelgrass distribution in the vicinity of the proposed project. Maps should be of an appropriate scale to clearly depict the preliminary/proposed APE boundary in relation to both existing and potential eelgrass resources as provided in the Humboldt Bay Eelgrass Comprehensive Management Plan and associated webpage (humboldtbay.org/eelgrass-management-plan). Here you'll find information and links including [eelgrass information for permit applicants](#), [a baseline eelgrass distribution map](#), and the [Humboldt Bay Eelgrass Comprehensive Management Plan](#). Contact the Harbor District office with questions (443-0801).

For New Projects:

		YES	NO
a)	Is the project located within 100 feet of previously mapped (known) eelgrass habitat?		
b)	Will any construction or new operational traffic occur within the vicinity of existing eelgrass?		
c)	Is any portion of the project located in an area with depths ranging from -10 to +4 feet?		
d)	Does the project result in new cover, shading or other form of light reduction of open water areas ranging in depth from -10 to +4 feet?		
e)	Is the project anticipated to affect wind or tidal circulation patterns within the bay?		
f)	Could the project affect ambient water temperature or clarity or result in new effluent (including stormwater) discharge point?		
g)	Does the project result in any placement of fill, including shoreline armor?		
h)	Is the project anticipated to lead to an increase in boat traffic that could affect nearby eelgrass habitat through grounding, prop scarring, wake, or shading impacts?		

For Maintenance/Repair Projects and Construction Activities:

		YES	NO
i)	Is project construction likely to increase turbidity? To what extent and for what duration?		X
j)	Will construction require the use of a barge or other vessel that may temporarily impact the bay floor (e.g. spud poles, anchoring, prop scarring, etc.) within known eelgrass habitat or within depths ranging from -10 to +4 feet?		X
k)	Will construction require the use of turbidity curtains in proximity to eelgrass habitat?		X
l)	Will project construction result in temporary shading from moored/anchored working vessel(s)?		X

If you responded yes to any of the questions above, your project may have the potential to affect eelgrass habitat and you'll need to conduct a preliminary eelgrass survey. Please refer to the District's [Eelgrass Management Plan webpage](#) for further guidance and a list of local agency contacts should you have additional questions.

Answer all questions completely on a separate page. If the question does not apply to your project, so indicate by marking N.A. Contact Harbor District Office with questions.

PROJECT DESCRIPTION

8. Site Size - **The work area in the structure was comprised of approximately 8 feet at the outlet and bay side baffle, 26 feet culvert length, and 18 feet between the inlet and ditch side baffle—totaling 52' by about 5' width throughout. This same area applied to the second box culvert.**
9. Square Footage-
10. Number of floors of construction- **N/A**
11. Amount of off-street parking provided- **N/A**
12. Attach plans
13. Proposed scheduling- **The tide gate failure required immediate attention and replacement.**
14. Associated projects- **Caltrans has proposed tide gate replacement project along the corridor.**
15. Anticipated incremental development - **This project is not anticipated to cause future private development along the highway. Caltrans does plan to continue to maintain this highway into the future, which will likely include future projects along the corridor.**
16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected. - **N/A**
17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities- **N/A**
18. If industrial, indicate type, estimated per shift employment & loading facilities. - **N/A**
19. If institutional, indicate the major function, estimated per shift employment, occupancy, loading facilities, and community benefits derived from the project. - **N/A**
20. If the project involves a variance, conditional use or recognizing application, state this and indicate clearly why the application is required. - **N/A**

Are the following items applicable to the project or its effects? Answer yes or no.
Discuss all items answered yes.

21. Change in existing features of any bays, tidelands, beaches, lakes or hills, or substantial alteration of ground contours.

The tide gate was designed to avoid any hydrological changes which would alter aquatic habitats. The tide gate will continue to be monitored to ensure there are no hydrological impacts.

22. Change in scenic views or vistas from existing residential areas or public lands or roads.

No

23. Change in pattern, scale or character of general area of project.
This project had no change in pattern, scale or character because this was an existing tide gate and the gates were what was replaced, not the structures or culverts.

24. Significant amounts of solid waste or litter.
No

25. Change in dust, ash, smoke, fumes or odors in vicinity.
No

26. Change in ocean, bay, lake, stream or ground water quality or quantity, or alteration of existing drainage patterns.
No

27. Substantial change in existing noise or vibration levels in the vicinity.
A. During Construction-**No**
B. During Project Utilization- **No**

28. Site on filled land or on slope of 10% or more.
No

29. Use of disposal or potentially hazardous materials, such as toxic substances, flammable or explosives.
No

30. Substantial change in municipal services demand (police, fire, water, sewage, etc.)
No

31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).
No

32. Relationship to larger project or series of projects
A similar project is proposed to include tide gates along the corridor and similar construction methods and plans will be used.

ENVIRONMENTAL SETTING:

33. Describe the project site as it exists before the project including information on topography, soil stability, plants and animals, and any cultural, historical, or scenic aspects. Describe any existing structures on the site and the use of the structures. Attach photographs of the site. Photos will be accepted.

Photos are attached.

34. Describe the surrounding properties, including information on plants and animals and any cultural, historical, or scenic aspects. Indicate the type of land use (residential, commercial, etc.) intensity of land use (one-family, apartment houses, shops, department stores, etc.) and the scale of development (height, frontage, setback, rear yard, etc.) Attach photographs of the vicinity. Photos accepted.

Photos are attached.

----- Questions 35; and 36 MUST BE ANSWERED! -----

35. How will the proposed use or activity promote the public health, safety, comfort, and convenience?

The tide gate failure was a clear, unexpected threat to life, property and essential public services. Since the initial damage occurred corrective action was immediate and has been continuous with extensive monitoring, multiple repairs, expedited design and fabrication of replacement fish-friendly tide gates, all concurrent with hydraulic analysis and monitoring of the current drainage channel conditions to ensure proper muted tide simulation. The tide gate doors were cracked and barely functioning. The damage and failure that began with the elevated pressure of King Tides, was likely exacerbated by a severe series of storms that impacted Humboldt County, for which Governor Gavin Newsom subsequently issued a Proclamation of State Emergency. Failure to complete the repairs would have resulted in greater flooding and possible damage to low-income housing, roads, and businesses, along with a possible closure of the airport or access to it.

36. How is the requested grant, permit, franchise, lease, right, or privilege required by the public convenience and necessity?

Failure to complete repairs in a timely manner would have led to further damaged infrastructure to the county roadway, state highway, businesses and private property. This project was necessary to prevent or mitigate loss of, or damage to, life, health, property, and essential public services.

37. Financial statement:

A. Estimated project cost.

\$72,400

B. How will the project be financed?

An emergency force account project was created to finance this project.

38. Describe fully directions necessary to arrive at project site.

Drive north on highway 101 from the town of Eureka. As you reach postmile 80.8 turn right onto Jacobs Ave. Continue straight onto Airport Road. The tide gate is located behind the Farm store off of Airport Road.

39. The Applicant agrees to as a condition of the permit being issued, to indemnify and hold harmless the Humboldt Bay, Harbor Recreation and Conservation District from any and all claims, demands, or liabilities for attorneys' fees obtained from or against demands for attorney's fees, costs of suit, and costs of administrative records made against District by any and all third parties as a result of third party environmental actions against District arising out of the subject matter of this application and permit, including, but not limited to, attorney's fees, costs of suit, and costs of administrative records obtained by or awarded to third parties pursuant to the California Code of Civil Procedure Section 1021.5 or any other applicable local, state, or federal laws, whether such attorneys' fees, costs of suit, and costs of administrative records are direct or indirect, or incurred in the compromise, attempted compromise, trial, appeal, or arbitration of claims for

attorneys' fees and costs of administrative records in connection with the subject matter of this application and permit

NOTE


The District hereby advises the Applicant that, under California Public Resources Code (PRC) Section 21089, the District when a lead agency under the California Environmental Quality Act (CEQA) of 1970, as amended, pertaining to an Environmental Impact Report (EIR) or a Negative Declaration (MND/ND) may charge and collect from the Applicant a reasonable fee in order to recover the estimated costs incurred by the District in preparing an EIR or MND/ND for the project and the procedures necessary for PRC compliance on the Applicants project.

In the event your project contains an analysis of issues pertaining to CEQA, for which District staff is not competent to independently review, or District requires the same in preparation of an EIR or MND/ND for the project, the District may retain a reviewing consultant to evaluate the content of the Administrative-Draft EIR and Final EIR or MND/ND with respect to these issues. The cost of such reviewing consultant services shall be borne by the Applicant.

CERTIFICATION: I hereby certify that the statements furnished above and in the attached exhibits present the information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief. And I agree to indemnify the District as described in part 39 of this application.

Dated: _____

05/01/2019


TREVOR GOFF

For _____

Initial photos of some flooded areas affected by the tide gate failure

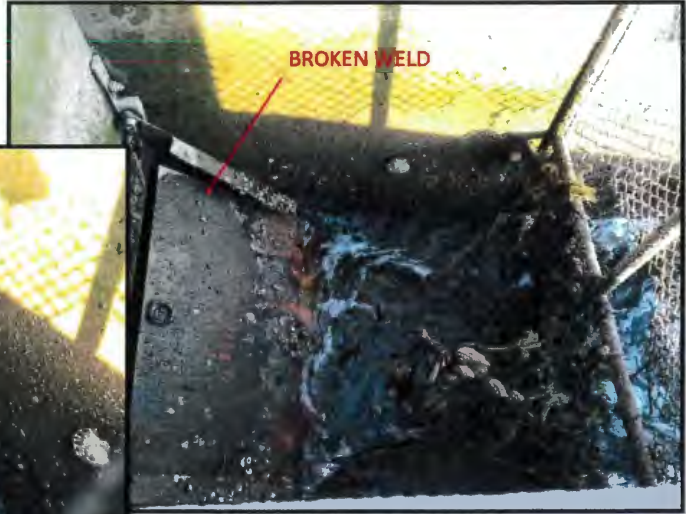






Photos of the failing tide gate system





Sluice gates



Post-Construction: New 5' x 5' sluice gates installed on the upstream side of the structure



Post-Construction: New 5' x 5' side hinge gate installed and operating on an outgoing tide.





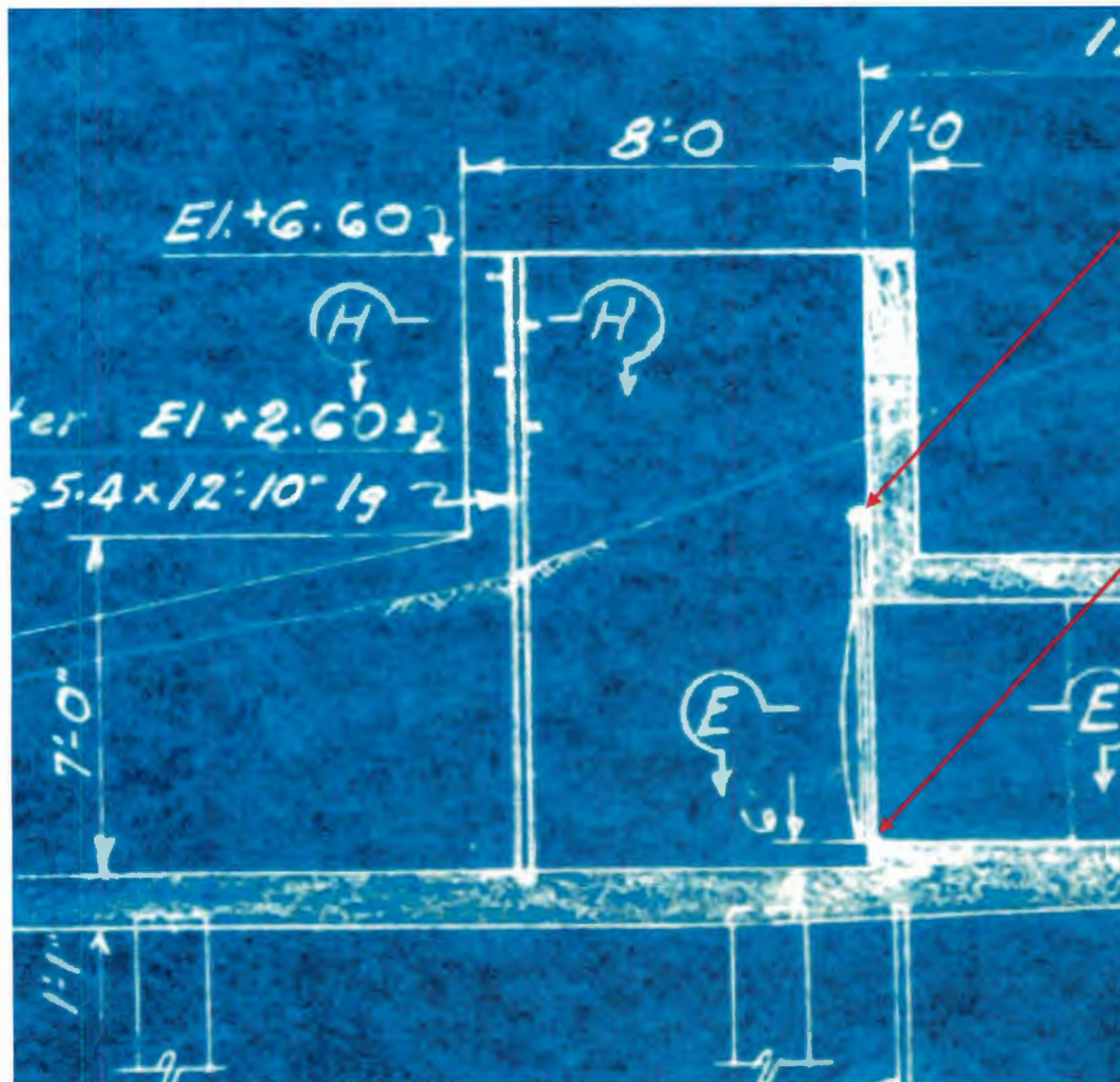
Tide Gate EFA Repair



Location of Gate Repair on “Bay” Side

01-0J4504

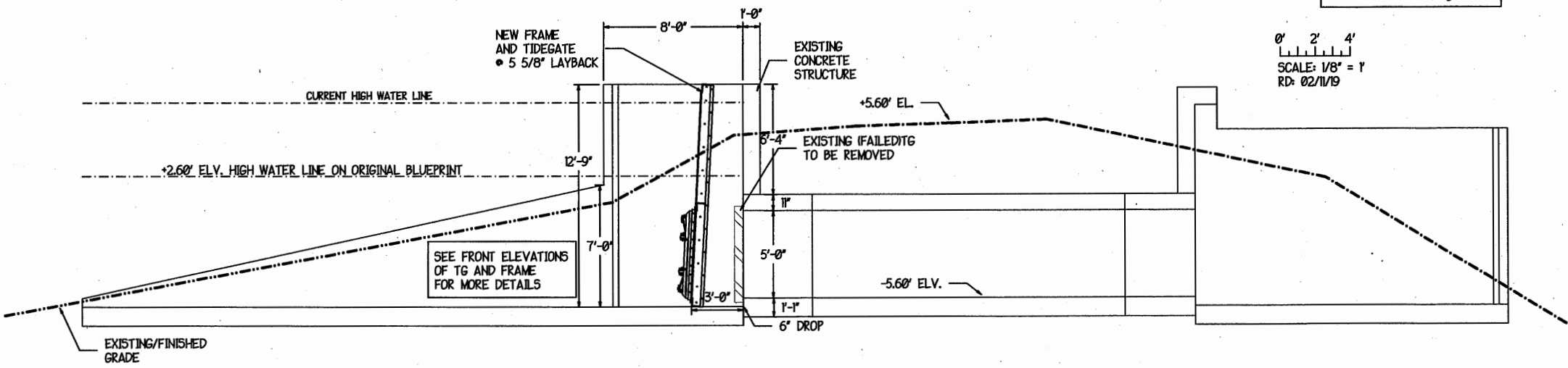
Tide Gate EFA Repair



Hinge Repair Remains In The Same Original Location.

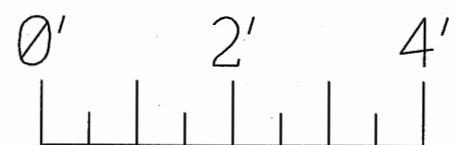
Gate Bottom Position Remains Flush with Concrete Culvert Floor & Metal Frame.

CAL. TRANS. AIRPORT
SECTION A



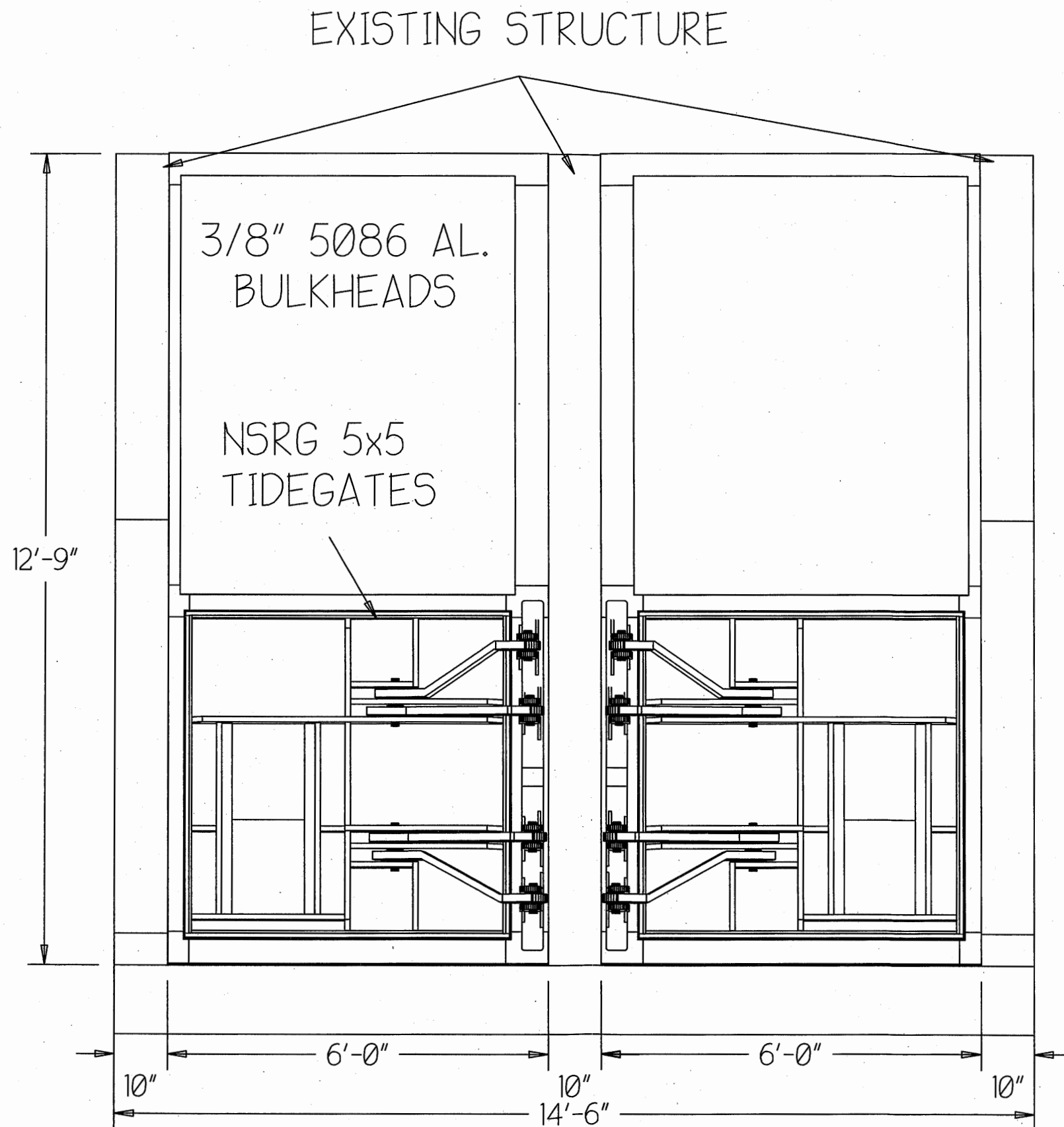
NEHALEM MARINE MFG.
OWNER: LEO KUNTZ
OFFICE: 503.322.0219
CELL: 503.801.4605
EMAIL: nehaelemarine@gmail.com

CAL. TRANS. AIRPORT TIDE GATE STRUCTURE FRONT ELEVATION



SCALE: 1/2" = 1'
RD: 02/11/19

NEHALEM MARINE MFG.
OWNER: LEO KUNTZ
OFFICE: 503.322.0219
CELL: 503.801.4605
EMAIL: nehalemmarine@gmail.com



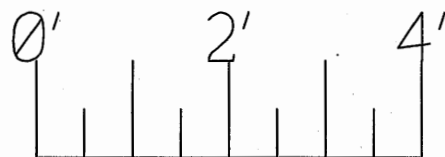
CAL. TRANS. AIRPORT PLAN VIEW

EXISTING(FAILED)
TIDEGATES TO BE
REMOVED

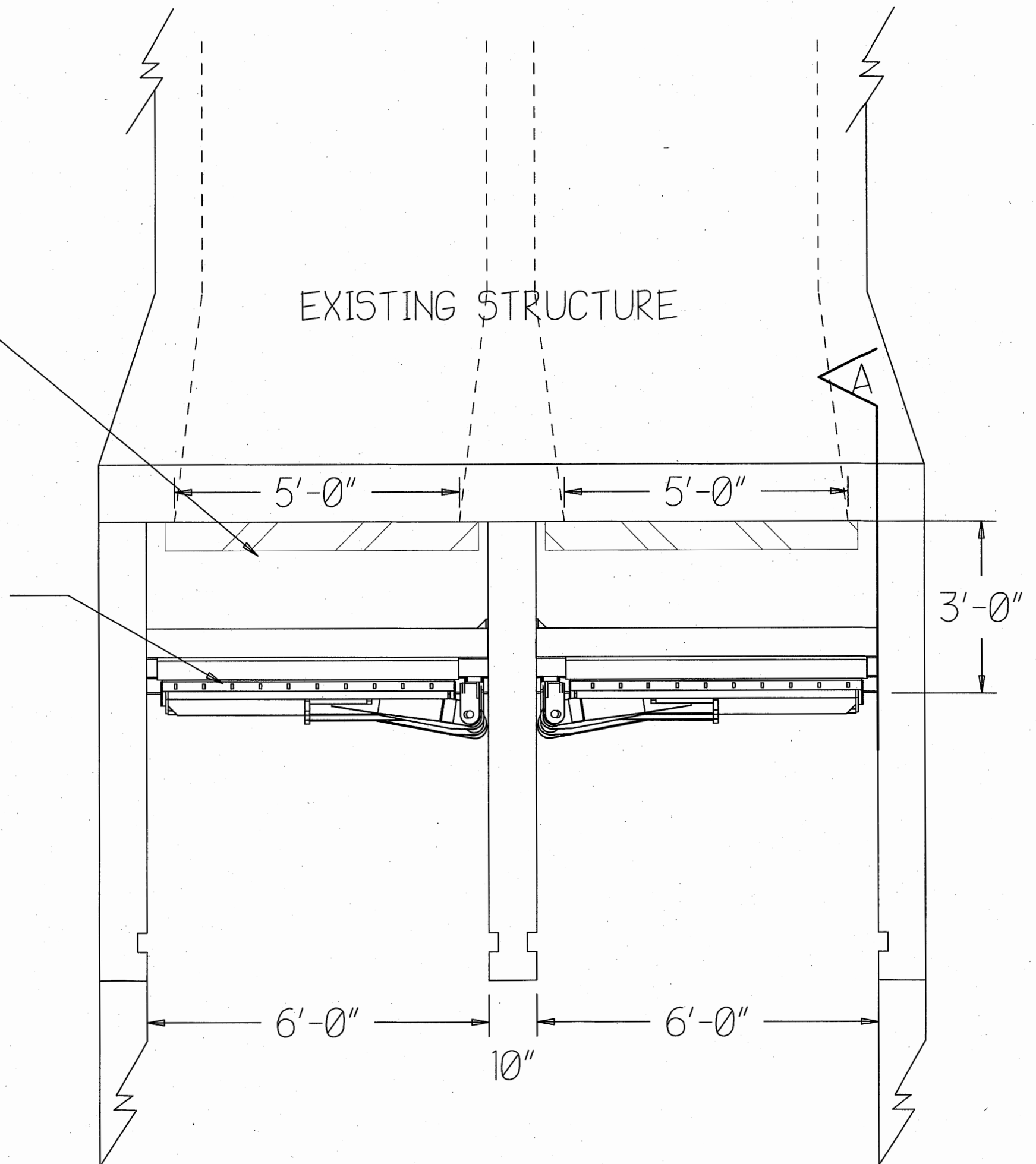
NEW NSRG 5x5 TG
MOUNTED ON
AL. ANGLE FRAME
W/ 3/8" 5086 AL. PLATE
UPPER BULKHEAD

SEE ELEVATIONS FOR
MORE DETAILS

NEHALEM MARINE MFG.
OWNER: LEO KUNTZ
OFFICE: 503.322.0219
CELL: 503.801.4605
EMAIL: nehalemmarine@gmail.com

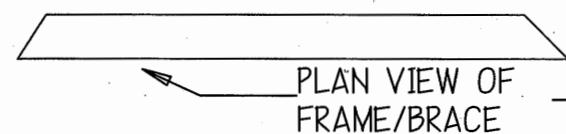


SCALE: 1/2" = 1'
RD: 02/11/19



CAL. TRANS. AIRPORT TIDE GATE FRAME FRONT VIEW (NO TILT)

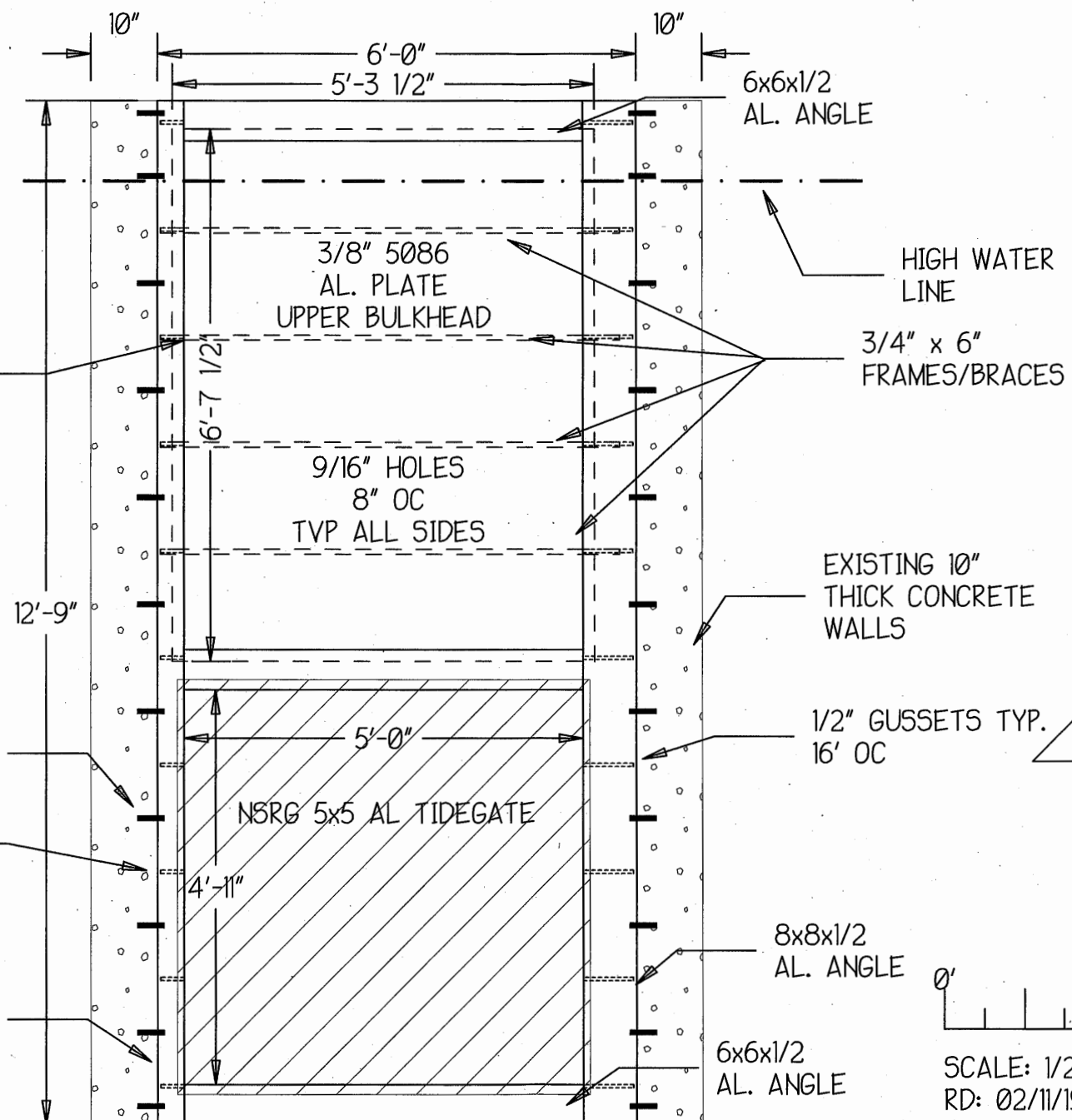
(LEFT FRAME, RIGHT FRAME MIRROR IMAGE)



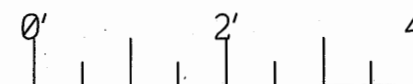
FRAME
BOLTED TOGETHER
ON SITE TO ADJUST FOR
EXISTING STRUCTURE'S
IRREGULARITIES

3/4" BOLTS
IN 7/8" HOLES
16" OC
1/2" GUSSETS TYP.
16' OC

6x6x1/2
AL. ANGLE
FRONT FACE
CUT BACK TO 4"

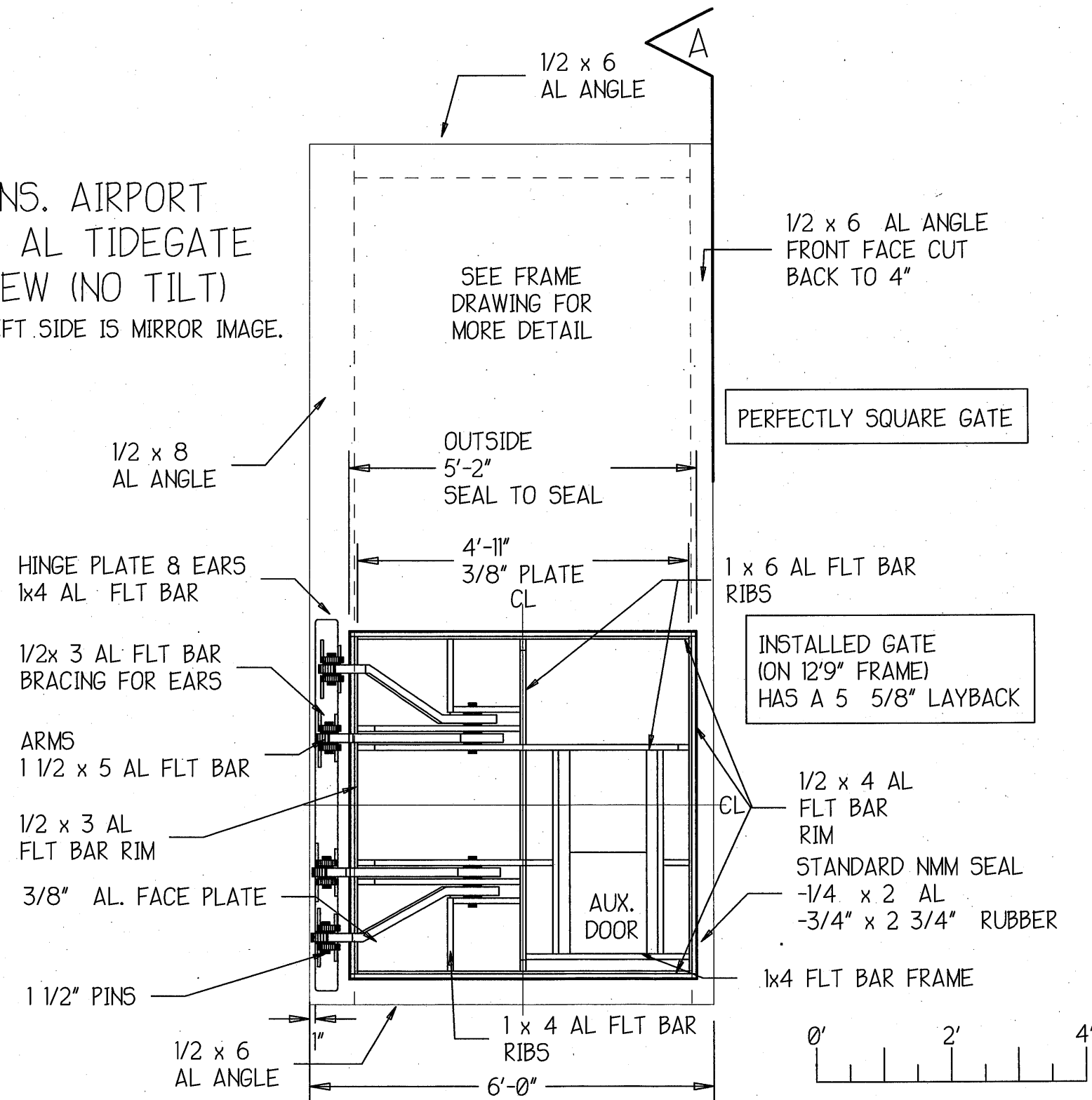


NEHALEM MARINE MFG.
OWNER: LEO KUNTZ
OFFICE: 503.322.0219
CELL: 503.801.4605
EMAIL: nehalemmarine@gmail.com



SCALE: 1/2" = 1'
RD: 02/11/19

CAL. TRANS. AIRPORT
NSRG 5x5 AL TIDEGATE
FRONT VIEW (NO TILT)
RIGHT SIDE. LEFT SIDE IS MIRROR IMAGE.



SCALE: 1/2" = 1'
RD: 02/11/18

NEHALEM MARINE MFG.
OWNER: LEO KUNTZ
OFFICE: 503.322.0219
CELL: 503.801.4605
EMAIL: nehalemmarine@gmail.com