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

DATE: February 27, 2020

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 002-162-001, 002-161-001, 002-162-018, 014-161- 013, 014-161-014, and 014-161-006, and 014-161-007 in the Eureka, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: Ted Loring. Under negotiation: price and payment terms.
- b) CONFERENCE WITH LEGAL COUNSEL--EXISTING LITIGATION. (Paragraph (1) of subdivision (d) of Section 54956.9): Name of case: Humboldt Bay Harbor, Recreation and Conservation District v. Glasshouse Gardens, LLC, Humboldt Superior Court Case No. CV1901283.
- c) CONFERENCE WITH LEGAL COUNSEL—EXISTING LITIGATION. (Paragraph (1) of subdivision (d) of Section 54956.9): Name of case: Humboldt Fisherman's Marketing Association, Inc. et al. v. Humboldt Bay Harbor, Recreation and Conservation District, Court of Appeal, First District, Court Case No. A158634.
- d) CONFERENCE WITH REAL PROPERTY NEGOTIATORS. Terms of potential purchase of real property with Assessor's Parcel Numbers 401-112-021, 401-112-030 on the Samoa Peninsula, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: Nick Keeler. 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, 401-031-056 pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: Pete Oringer, Timber Heritage Association. Under negotiation: price and payment terms.
- f) CONFERENCE WITH REAL PROPERTY NEGOTIATORS. Terms of potential purchase of real property with Assessor's Parcel Number 401-111-006 on the Samoa Peninsula, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: Pete Jackson, Green Diamond Resource Company. Under negotiation: price and payment terms.

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- g) CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION. Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: one case (Coast Seafood).
- 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) Approve Payment to Zerlang & Zerlang Marine Services for Buoy 9 Emergency Chain Recovery
- b) Receive District Financial Reports for December 2019
- c) Approval of Meeting Minutes for January 23, 2020 Regular Board Meeting
- **d)** Approval of Invoice from City of Eureka for partial payment of PO #1470, Aerial Photo and LiDAR Acquisition 2019 for the Humboldt Bay Region
- e) Approval of Estimate #1016 from Redwood Electrical Services for Replacement of the Electric Service Panel on Dock "I"

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

10. Unfinished Business

a) Report from Humboldt Bay Harbor District's Dredge Subcommittee

Recommendation: Staff recommends the Board: Receive a report from the Humboldt Bay Harbor District Dredging Sub-Committee.

Summary: The dredging sub-committee continues to work towards finding solutions to dredging Woodley Island Marina, Fields Landing Boat Yard, Fisherman's Channel and the other District facilities. Recently a letter was sent to the North Coast Regional Water Quality Control Board which provided specific recommended amendments to the Water Quality Control Plan for the North Coast Region to encourage dredge sediment material to be reused for climate change adaptation, habitat restoration projects, and other beneficial uses. The Committee would like to discuss the proposed amendments and other items with the Board.

b) Consider Adopting Resolution No. 2020-04 Amending the Woodley Island Marina Fee Schedule to Increase the Dredge Surcharge Fee

Recommendation: Staff recommends the Board: Adopt Resolution 2020-04

Summary: On November 14, 2019, after three meetings the Board established the formation of a Subcommittee comprised of Commissioner's Dale and Doss to work with Woodley Island Marina Tenants to review the

Agenda for February 27, 2020 Regular Board Meeting

proposed dredge surcharge and liveaboard fees. Three meetings of the subcommittee where held with tenants and a consensus of those present was to not increase the liveaboard fees at this time and to implement an increase to the Dredge Surcharge Fee beginning on July 1, 2020.

- c) (1) Consideration of Adoption of Resolution 2020-03 Which Establishes Findings Relative to the Application by the County of Humboldt for the pine Hill Road over Swain Slough Bridge Replacement Project.
 - (2) Consideration of Granting Permit 2020-01 to the County of Humboldt for the Pine Hill Road Bridge Replacement over Swain Slough Bridge Replacement Project.

Recommendation: Staff recommends the Board: (1) Adopt Resolution 2020-03 which establishes finding relative to the application by the County of Humboldt for the Pine Hill Road over Swain Slough Bridge Replacement Project and (2) Grand Permit 2020-01 to the County of Humboldt for the Pine Hill Road over Swain Slough Bridge Replacement Project.

Summary: The County of Humboldt applied for a District permit to replace the bridge where Pine Hill Road crosses Swain Slough. The existing bridge is a 63 ft long, 20 ft wide, three span structure with a concrete deck on timber stringers and concreted abutments that was constructed in 1955. A Caltrans inspection in 2011 determined that the bridge is structurally deficient and functionally obsolete.

11. New Business

a) Discuss, Review, and Authorize the Executive Director to Execute the Samoa Peninsula Infrastructure Workgroup Agreement.

Recommendation: Staff recommends the Board: Authorize the Executive Director to execute the Agreement.

Summary: Staff from the Harbor District, Humboldt County, Humboldt Bay Municipal Water District, Samoa Peninsula Community Services District, City of Eureka, and City of Arcata have been meeting to discuss how we can work together to complete upgrades and maintenance to the public infrastructure on the Samoa Peninsula. Since the infrastructure is owned and managed by several different governmental agencies, there is a need to coordinate our efforts in order to effectively manage and plan for future development opportunities.

b) Consideration of Resolution 2020-02, A Resolution Designating Business Matters, Appointment and Authorization for the Humboldt Bay Harbor, Recreation and Conservation District for Calendar Year 2020.

Recommendation: Staff recommends the Board Adopt Resolution 2020-02

Summary: Annually the Board approves a Resolution which appoints specific staff and/or consultants, established financial limitations, legal notice designations, meeting schedules, and other business matters of the District.

12. Administrative and Emergency Permits

13. Adjournment

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 February 27, 2020

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

DATE: February 18, 2020

TITLE: Approve Payment to Zerlang & Zerlang Marine Services for Buoy 9 Emergency

Chain Recovery.

STAFF RECOMMENDATION: Approve a payment, using Federal Emergency Management funding, to Zerlang & Zerlang Marine Services for their search for and recover the buoy 9 chain that was damaged during a local, State, and federally declared emergency.

BACKGROUND: A February 2019 storm resulted in severe shoaling at the Humboldt Bay entrance, particularly in the area of the Buoy No. 9 marker. The shoaling presented an immediate danger to boats, ships and other watercraft. During the storm, Buoy No. 9 broke free, leaving the buoy chain buried in the substrate. In order to remove the life threatening conditions, the US Army Corps of Engineers (USACOE) determined that the shoaling conditions around Buoy No. 9 area required emergency dredging. However, due to Buoy No. 9's dislodged and buried anchor and chain they would not be able to fully remove the hazard.

The US Army Corps of Engineers (USACOE), US Coast Guard, and US Navy Divers were unable to retrieve the chain. The District requested the assistance of Zerlang & Zerlang Marine Services and they dragged the area. After several attempts, an anchor and chain was recovered from the area and the USACOE was able to begin dredging operations in April 2019.

The emergency situation did not allow time for the Harbor District to go through standard procurement procedures for search and recovery of the chain. Hence, in early March 2019, the District procured Zerlang & Zerlang Marine Services to search for and recover the chain. Zerlang & Zerlang Marine Services conducted the work as requested. The total cost for the effort was \$46,693. In December 2019, the Harbor District received federal (Federal Emergency Management Agency (FEMA)) and state (California Office of Emergency Services (CalOES)) funding to pay Zerlang & Zerlang Marine Services for the work provided.

DISCUSSION: Funding received from FEMA and CalOES is intended to pay Zerlang & Zerlang Marine Services for their efforts to search for and recover the Buoy 9 chain. There is no cost to the Harbor District for this payment.

ATTACHMENTS:

- **A.** Harbor District letter regarding procurement of Zerlang & Zerlang Marine Services for recovery of the Buoy 9 chain.
- **B.** Invoice from Zerlang & Zerlang Marine Services to the Harbor District for efforts related to recovery of the Buoy 9 chain.
- **C.** Notice of obligation of funds from FEMA and CalOES to the Harbor District for efforts related to the recovery of the buoy 9 chain.

Agenda Item 8a. Attachment A

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. Boy 1030

P.O. Box 1030 Eureka, California 95502-1030



October 15, 2019

RE: Procurement for search and recovery of Buoy 9 chain in response to Humboldt Bay emergency shoaling.

To whom it concerns,

A storm at the end of February 2019 resulted in severe shoaling at the Humboldt Bay entrance, particularly in the area of the Buoy 9 Marker. The shoaling presented an immediate danger to boats, ships and other watercraft. During the storms, Buoy 9 broke free, leaving the buoy chain buried in the substrate. The US Army Corps of Engineers was unable to dredge the area because the dredge equipment could be damaged by the buried chain. The emergency nature of the situation did not allow time for the Harbor District to go through standard procurement procedures for search and recovery of the chain. Hence, in early March, 2019, I contacted Leroy Zerlang with Zerlang & Zerlang Marine Services and requested that they mobilize their resources to search for and recover the chain. I subsequently reported to the Harbor District Board of Commissioners that I had procured the services of Zerlang & Zerlang Marine Services.

Sincerely,

Larry Oetker, Executive Director



ZERLANG & ZERLANG MARINE SERVICES

1493 Fay Ave Samoa, CA 95564 ZandZMarine@gmail.com (707) 443 5180

Larry Oetker 601 Startare Drive Eureka, CA 95501 09/30/2019

RE: Humboldt Bay Buoy #9 Chain Search

Zerlang & Zerlang Marine Services supplied the support vessel AJAX and MR. "C" STREET for the TECLUTSA and provided lines, anchors, grapples, shore support, weather watch. Coordinated tugs, Coast Guard, divers, USCG dive team, USCG ATON.

| 04/01/2019 | 14 hrs x \$90.00—Prep for dragging | \$1,260.00 |
|------------|------------------------------------|------------|
| 04/02/2019 | 11 hrs x \$90.00— Crew Tug AJAX | \$990.00 |
| 04/03/2019 | 7 hrs x \$90.00— Crew Tug AJAX | \$630.00 |
| 04/04/2019 | 9 hrs x \$90.00— Repair grapple | \$810.00 |
| 04/11/2019 | | |
| 04/13/2019 | 12.25 hrs x \$90.00—Demobilize | \$1,102.50 |
| | | \$4,792.50 |

Zerlang & Zerlang Marine Services did not charge for any equipment used, T/V AJAX, boom truck, or work boat MR. "C" STREET.

Leroy Zerlang has 106 hours on this project at no charge.

HALCYON- rigid hull inflatable tended to divers while in surf and towed magnetometer.

| 04/03/2019 | 5 hrs x \$260.00 | \$1,300.00 |
|------------|------------------|------------|
| 04/04/2019 | 4 hrs x \$260.00 | \$1,040.00 |
| 04/11/2019 | 3 hrs x \$260.00 | \$780.00 |
| | | \$3,120,00 |

Alpha Diving Industries

| 04/03/2019 | 3 Divers x 5 hrs = 15 hrs x \$130.00 | \$1,950.00 |
|------------|---------------------------------------|------------|
| 04/04/2019 | 3 Divers x 4 hrs = 12 hrs x \$130.00 | \$1,560.00 |
| 04/11/2019 | 2 Divers x 3.5 hrs = 7 hrs x \$130.00 | \$910.00 |

\$4,420.00



ZERLANG & ZERLANG MARINE SERVICES

1493 Fay Ave Samoa, CA 95564 ZandZMarine@gmail.com (707) 443 5180

Coos Bay Towboat hourly rate for Tug TECLUTSA is usually \$1,950.00 per hour with a three hour minimum. At this rate, the invoice for TECLUTSA would be \$76,050.00 before discount. CBT gave discounted rates for Tug TECLUTSA, five crew, fuel, insurance, etc to assist in getting port re-opened. The following charges are COST ONLY:

| 04/03/2019 | Tug TECLUTSA | 11 hrs x \$950.00 | \$10,450.00 |
|------------|--------------|---------------------|-------------|
| 04/04/2019 | Tug TECLUTSA | 6 hrs x \$500.00 | \$3,000.00 |
| 04/11/2019 | Tug TECLUTSA | 11.5 hrs x \$950.00 | \$10,925.00 |
| 04/12/2019 | Tug TECLUTSA | 10.5 hrs x \$950.00 | \$9,975.00 |
| | | | \$34,350.00 |

Leroy Zerlang

Zerlang & Zerlang Marine Services

8 of 113

GAVIN NEWSOM GOVERNOR



December 6, 2019

Adam Wagschal Director of Harbor Operations Humboldt Bay Harbor District 601 Startare Drive Eureka, California 95501-0765

Subject:

Notification of Obligation

Public Assistance and CDAA Grant Programs FEMA-4434-DR-CA, Cal OES ID: 023-91018

Dear Mr. Wagschal:

Obligation Notification The California Governor's Office of Emergency Services has attached the Grant Summary and the Project Application Summary for Federal Package #59, and the Exhibit C for State Supplement #0. Please see the table below for further obligation details.

| Obligation Details | Package/Supplement Obligation Amount | Cumulative Amount Obligated |
|---|---|--------------------------------|
| Federal-Public Assistance | \$36,998 | \$36,998 |
| State-California Disaster Assistance Act (CDAA) | \$10,175 | \$10,175 |
| Total | \$47,173 | \$47,173 |

Payment Process

For this disaster, funds will be paid in accordance with the following disbursement

table:

| ****** | | |
|--|---|---|
| Project Status | Federal Funds Disbursement Process | State Funds Disbursement Process |
| Small Projects less than 100% complete | Automatic advance of federal share and administrative allowance | Automatic advance of state share and administrative allowance. Retention held until 100% complete |
| Small Projects 100% complete | Automatic payment of federal share and administrative allowance | Automatic payment of state share and administrative allowance |
| Large Projects less than 100% complete | Advance administrative allowance only. All other funds (less retention) will be paid on a reimbursement basis | Advance administrative allowance only. All other funds (less retention) will be paid on a reimbursement basis |
| Large Projects 100% complete | Automatic payment of federal share and administrative allowance for entire project | Automatic payment of state share and administrative allowance |

HUMBOLDT BAY HARBOR, RECREATION, AND CONSERVATION DISTRICT Monthly Cash Flow Analysis

For The Months Ended December 31, 2019and November 30, 2019

| | 12/31/19 | 11/30/19 |
|---|------------|------------|
| Account Balances | | |
| Checking | \$ 90,165 | \$ 16,080 |
| Savings | 13,916 | 5,524 |
| Tariff | 1,227 | 204 |
| County Treasury | 194,314 | 98,994 |
| Cash on hand | 1,280 | 1,280 |
| Total Cash | 300,902 | 122,082 |
| Add: Accounts Receivable (less doubtful accounts) | 502,817 | 419,814 |
| Less: Accounts Payable | (204,438) | (277,775) |
| Available Cash and Receivables | \$ 599,281 | \$ 264,121 |
| Change in Cash Balance | | |
| Balance, Beginning of Month | \$ 122,082 | \$ 869,594 |
| Monthly Deposits | 748,797 | 129,597 |
| Monthly Payments | (569,977) | (877,109) |
| Balance, End of Month | \$ 300,902 | \$ 122,082 |
| Monthly Payments Summary | | |
| Significant/Unusual Expenses: | | |
| Dredging payments | | \$ 633,000 |
| BBVA bond and loan payment | \$ 234,425 | |
| Prepaid January health insurance | 34,058 | |
| Figas Construction piling removal retainer | 8,000 | |
| Pacific Affiliates services | 11,000 | |
| CSDA annual membership fee | 7,077 | |
| Samoa outfall maintenance | | 54,500 |
| Annual State Water Quality Control Board disposal fee | 21,679 | |
| Semi-annual property tax expense | 11,505 | 19,637 |
| Sub-total, Unusual Expenses | 327,744 | 707,137 |
| General operating expenses and other misc. expense | 242,233 | 169,972 |
| Total Cash Payments | \$ 569,977 | \$ 877,109 |
| Monthly Deposits Summary | | |
| Significant/Unusual Revenues: | | |
| Property taxes and interest income | \$ 549,320 | |
| Interest Payment on NMTC note receivable | 40,187 | |
| Sub-total, Unusual Revenues | 589,507 | |
| General revenues | 159,290 | \$ 129,597 |
| Total Cash Receipts | \$ 748,797 | \$ 129,597 |

3:20 PM 02/20/20 Accrual Basis

Humboldt Bay Harbor, Recreation & Conservation District Balance Sheet

| | Dec 31, 19 |
|--|------------------------------|
| ASSETS | |
| Current Assets | |
| Checking/Savings 10901 · RESTRICTED - COUNTY TREASURY | 302,090.88 |
| 10600.1 · Cash in bank, Tariff BBVA | 1,226.58 |
| 10700.1 · Cash in bank, Water BBVA | 13,915.70 |
| 10200.1 · Cash in BBVA, Checking | 80,448.08 |
| 10000 · PETTY CASH ON HAND | 150.00 |
| 10100 · CHANGE FUND ON HAND | 400.00 |
| 10111 · COIN MACHINE FUND 10200 · CASH IN BANK, CHECKING | 730.00 9,716.76 |
| 10400 · CASH IN COUNTY - FUND 2720 | 163,911.23 |
| 10500 · CASH IN COUNTY - FUND 3872 | 30,403.20 |
| 10902 · RESTRICTED CASH OFFSET | -302,090.88 |
| Total Checking/Savings | 300,901.55 |
| Accounts Receivable | |
| 12000 · ACCTS RECEIVABLE | 806,640.07 |
| Total Accounts Receivable | 806,640.07 |
| Other Current Assets | |
| 12600 · Note Receivable - NMTC | 5,849,375.00 |
| 12100 · ALLOW FOR BAD DEBTS 12200 · TAXES RECEIVBLE | -303,888.93 |
| 12200 · TAXES RECEIVBLE 12300 · INTEREST RECEIVBLE | -34,033.66 1,673.61 |
| 12700 · PREPAID EXPENSES | 44,072.60 |
| 12800 · LEASE RECEIVABLE | 29,420.82 |
| 12900 · Accounts Receivable FSM | 25.85 |
| Total Other Current Assets | 5,586,645.29 |
| Total Current Assets | 6,694,186.91 |
| Fixed Assets | |
| 14900 · DOG RANCH PROPERTY | 7,507.70 |
| 14800 · SHIPWRECK PROPERTY | 45,088.05 |
| CAPITAL ASSETS, NET | 4 0 4 - 4 0 0 - |
| 16900 · Dredge 16800 · REDWOOD TERMINAL 2 | 1,215,423.27 |
| 16800 · REDWOOD TERMINAL 2 16700 · AQUAPONICS PILOT FACILITY | 2,613,169.43 96,036.61 |
| 16600 · TABLE BLUFF LIGHTHOUSE | 361.44 |
| 16500 · HOMELAND SECURITY EQUIPMENT | 2,254,007.60 |
| 16400 · REDWOOD DOCK PROPERTY | 3,010,194.30 |
| 16100 · MARINA DREDGE, CONSTR IN PROGRES | 139,687.95 |
| 16000 · KING SALMON | 15,143.99 |
| 15900 · DREDGING COSTS | 215,226.78 |
| 15800 · SHELTER COVE 15700 · FL BOAT BLDG & REPAIR FACILITY | 2,386,247.10 4,302,259.53 |
| 15600 · MARINA | 10,529,004.29 |
| 15500 · MARINA, RESTAURANT COMPLEX | 34,100.00 |
| 15200 · OPERATING EQUIPMENT | 314,098.74 |
| 15100 · OFFICE EQUIPMENT | 193,303.88 |
| 15000 · AUTOMOTIVE EQUIPMENT 17000 · ACCUMULATED DEPRECIATION | 95,639.08 |
| | -16,172,019.17 |
| Total CAPITAL ASSETS, NET | 11,241,884.82 |
| Total Fixed Assets | 11,294,480.57 |
| Other Assets 19000 · Deferred Outflows of PERS | 290,427.00 |
| Total Other Assets | 290,427.00 |
| TOTAL ASSETS | 18,279,094.48 |
| LIABILITIES & EQUITY Liabilities | |

Humboldt Bay Harbor, Recreation & Conservation District Balance Sheet

| | Dec 31, 19 |
|---|--|
| Current Liabilities | |
| Accounts Payable 20000 · ACCOUNTS PAYABLE | 207,438.19 |
| Total Accounts Payable | 207,438.19 |
| Credit Cards | |
| 20112 · US Bank Visa | 509.52 |
| Total Credit Cards | 509.52 |
| Other Current Liabilities 24002 · Groundlease Current Def Income 24000 · Ground Lease Deferred Income Payroll tax & Withholding Liab | 60,092.31 3,906,000.00 |
| 21900 · UNION DUES DEDUCTIBLE 21701 · PERS DEFERRED COMPENSATION | 3.00 100.00 |
| 21700 · PERS RETIREMENT | 17.03 |
| 21300 · STATE UNEMPLOYMENT TAX 2100 · PAYROLL LIABILITIES | 147.61 -31,543.21 |
| Total Payroll tax & Withholding Liab | -31,275.57 |
| 20100 · LEASE PAYABLE TO HBDA 20200 · NOTES PAYABLE 20400 · ACCRUED WAGES PAYABLE 20500 · ACCRUED INTEREST 20600 · ACCRUED VACATION PAYABLE | 1,476.00 1,352,909.53 15,456.92 27,800.46 27,863.05 |
| 20800 · ACCRDED VACATION PATABLE 20800 · DEPOSITS ON HAND 20809 · HAUL OUT DEPOSIT 20808 · WAIT LIST DEPOSIT 20801 · KEY DEPOSITS ON HAND 20802 · PLUG DEPOSITS ON HAND 20803 · SLIP DEPOSITS ON HAND 20804 · STORAGE DEPOSITS 20806 · LEASE SECURITY DEPOSIT 20807 · STORAGE DEPOSIT - REDWOOD DOCK | -1,080.00 1,900.00 12,620.00 920.00 41,966.90 3,540.65 41,383.42 2,750.26 |
| Total 20800 · DEPOSITS ON HAND | 104,001.23 |
| 22000 · DEFERRED LEASE INCOME 28000 · DEFERRED INCOME 28500 · OTHER DEFERRED CREDITS | 84,442.00 116,290.94 196,132.28 |
| Total Other Current Liabilities | 5,861,189.15 |
| Total Current Liabilities | 6,069,136.86 |
| Long Term Liabilities 24003 · Groundlease Current Offset 24001 · Gound Lease Amortization 27200 · Deferred Inflows of PERS 27000 · Net Pension Liability 25700 · BOND PAYABLE 2014 REFINANCING 25800 · BBVA Loan Payable 25600 · Note Payable-Coast Seafoods Co. 25500 · OPEB Liability 25200 · CONTRACTS PAYABLE | -60,092.31 -229,091.54 159,317.00 921,868.00 2,400,035.12 1,239,274.58 1,053,809.15 394,887.00 71,558.22 |
| 25900 · LESS CURRENT PORTION | -1,352,909.53 |
| Total Long Term Liabilities | 4,598,655.69 |
| Total Liabilities | 10,667,792.55 |
| Equity 30500 · INVESTMENT IN FIXED ASSETS 30505 · Change In Invest Fixed Assets | 343,687.22 |
| 30500 · INVESTMENT IN FIXED ASSETS - Other | 9,134,021.36 |
| Total 30500 · INVESTMENT IN FIXED ASSETS | 9,477,708.58 |

3:20 PM 02/20/20 Accrual Basis

Humboldt Bay Harbor, Recreation & Conservation District Balance Sheet

| | Dec 31, 19 |
|---|-----------------------------------|
| 30900 · RESTRICTED FUND BALANCE | 302,090.86 |
| 31200 · GENERAL FUND BALANCE 31205 · General Fund Invest Fixed Asset 31000 · FUND BALANCE - TIDELANDS TRUST | -343,687.22 -1,872,303.20 |
| 31200 · GENERAL FUND BALANCE - Other Total 31200 · GENERAL FUND BALANCE | <u>10,414.64</u> -2,205,575.78 |
| Net Income | 37,078.27 |
| Total Equity | 7,611,301.93 |
| TOTAL LIABILITIES & EQUITY | 18,279,094.48 |

3:24 PM 02/20/20 Accrual Basis

Humboldt Bay Harbor, Recreation & Conservation District **Profit & Loss**

| | Jul - Dec 19 |
|---|---|
| Ordinary Income/Expense Income | |
| Dredging Revenue 41318 · Dredging Surcharge - T | 42,428.08 |
| Total Dredging Revenue | 42,428.08 |
| Float Replacement Account 41418 · Float Replacement | 27,496.53 |
| Total Float Replacement Account | 27,496.53 |
| Harbor Surcharge 40908 · Harbor Improvement Surcharge-T | 52,753.34 |
| Total Harbor Surcharge | 52,753.34 |
| Utility Surcharge 40409 · Utility Surcharge - NT 40418 · Utility Surcharge, Marina Dock | 38,178.16 26,175.14 |
| Total Utility Surcharge | 64,353.30 |
| Tax Revenue 43809 · TIMBER YIELD TAX GUAR G/NT 43609 · HOMEOWNERS EXEMPT G/NT 43509 · Property Tax Revenues | 6,000.00 7,002.00 555,373.00 |
| Total Tax Revenue | 568,375.00 |
| Other Revenue 45909 · Other Revenue - NT 45908 · Other Revenue - T | 5,338.41 583,186.81 |
| Total Other Revenue | 588,525.22 |
| Interest Revenue 43109 · Interest Income - NT 43108 · Interest Income - T 43318 · Interest On Del Accts - T | 81,378.00 2,103.23 0.00 |
| Total Interest Revenue | 83,481.23 |
| Rent Income 41108 · Rents, Tidelands Leases - T 40318.1 · Transient Rentals - T 40519 · Equipment Rent - NT 40809 · Yard Rent - NT | 203,965.51 46,029.59 1,122.50 23,127.12 |
| 41309 · Storage - NT 41409 · Upland Rent - NT | 33,448.30 |
| 41409.2 · Redwood Terminal 2 - NMTC 41409 · Upland Rent - NT - Other | 30,046.14 309,184.09 |
| Total 41409 · Upland Rent - NT | 339,230.23 |
| 40218 · Slip Rents - T | 195,135.04 |
| Total Rent Income | 842,058.29 |
| Fees 40108 · PERMITS-T 41818 · Late Charges/Interest - T 45608 · Chevron - Ports O&M - T 41819 · Late Charges/Interest - NT 40509 · Travel Lift Fees - T 40609 · Haul Out Fees - T 41308.1 · Poundage - T | 1,100.00 5,188.94 16,175.00 16,374.04 2,209.00 27,945.50 5,025.39 |
| Total Fees | 74,017.87 |
| Sales | |

Humboldt Bay Harbor, Recreation & Conservation District **Profit & Loss**

| | Jul - Dec 19 |
|---|--|
| 40109 · Sales, Retail - NT 40119 · Concession Sales - NT | 250.00 21,801.65 |
| Total Sales | 22,051.65 |
| Donations 46519 · Donations - Lighthouse | 2.40 |
| Total Donations | 2.40 |
| Total Income | 2,365,542.91 |
| Gross Profit | 2,365,542.91 |
| Expense 66900 · Reconciliation Discrepancies 57018 · Bank Service Charges Personnel Expenses Salaries/Wages 50100 · Salaries & Wages - NT | 200.00 1.35 390,819.59 |
| 50108 · Salaries & Wages - T Salaries/Wages - Other | 710.37 0.00 |
| Total Salaries/Wages | 391,529.96 |
| Payroll Burden 6560 · Workers' Comp 50500 · Payroll Benefits, Other - NT 50508 · Payroll Benefits, Other - T 50510 · PAYROLL BENEFITS M/A | 17,127.68 191,417.84 55,659.21 8,758.38 |
| Total Payroll Burden | 272,963.11 |
| Commissioners Fees 50200 · Commissioner's Salaries - NT 50210 · COMMISSIONERS SALARIES M/A | 8,820.00 3,780.00 |
| Total Commissioners Fees | 12,600.00 |
| Total Personnel Expenses | 677,093.07 |
| Advertising & Promotion 51000 · Advertising & Promotion - NT 51018 · ADVERTISING & PROMOTION M/T | 208.00 678.38 |
| Total Advertising & Promotion | 886.38 |
| Communications 51400 · Communications - NT 51408 · Communications - T | 10,155.87 2,078.97 |
| Total Communications | 12,234.84 |
| Conference & Meetings 51500 · Conferences & Meetings - NT 51508 · Conferences & Meetings - T | 12,044.29 1,166.56 |
| Total Conference & Meetings | 13,210.85 |
| Dues, Subscriptions & Licences 51600 · Dues & Subscriptions - NT 51608 · Dues & Subscriptions - T | 28,167.00 265.00 |
| Total Dues, Subscriptions & Licences | 28,432.00 |
| Elections & Government Fees 51700 · Elections & Prop Tax Assess-NT | 69,154.28 |
| Total Elections & Government Fees | 69,154.28 |
| Insurance 51800 · Insurance - NT | 34,754.85 |

Humboldt Bay Harbor, Recreation & Conservation District Profit & Loss

| | Jul - Dec 19 |
|---|--|
| 51808 · Insurance - T | 5,292.97 |
| Total Insurance | 40,047.82 |
| Office Supplies 52100 · Outside Services - NT 51900 · Office Supplies - NT | 16.13 13,324.54 |
| 51908 · Office Supplies - T 51918 · OFFICE EXPENSE M/T | 3,579.86 235.20 |
| Total Office Supplies | 17,155.73 |
| Maintenance Supplies 52010 · Maintenance Supplies - NT 52008 · Maintenance Supplies - T | 12,771.16 108.81 |
| Total Maintenance Supplies | 12,879.97 |
| Permits 51618 · Permits - T 51610 · Permits - NT | 23,079.00 250.00 |
| Total Permits | 23,329.00 |
| Utilities 52909 · Utilities - NT 52918 · Utilities - T 53000 · Water, Sewer, & Refuse - NT 53008 · Water, Sewer, & Refuse - T | 157,363.28 19,468.75 104,449.96 23,666.60 |
| Total Utilities | 304,948.59 |
| Fuel 50400 · IMPUTED AUTO VALUE G/A 51208 · Vessel Fuel 51218 · Automotive, Fuel - T 51200 · Automotive, Fuel- NT | 509.60 2,221.97 5,522.48 5,566.92 |
| Total Fuel | 13,820.97 |
| Accounting/Auditing Services 52500 · Accounting Fees - T 52508 · Accounting Fees - NT | 11,313.00 3,771.00 |
| Total Accounting/Auditing Services | 15,084.00 |
| Legal Services 52300 · Legal Fees - NT 52308 · Legal Fees - T | 8,329.99 2,880.51 |
| Total Legal Services | 11,210.50 |
| Planning Services 52208 · Planning Fees - T | 16,666.00 |
| 52200 · Planning Fees - NT | 10,957.00 |
| Total Planning Services | 27,623.00 |
| Engineering Services 52400 · Engineering Fees - NT 52408 · Engineering Fees - T | 21,441.44 3,846.54 |
| Total Engineering Services | 25,287.98 |
| Other Professional/Outside Serv | |
| 52110 · OUTSIDE SERVICES M/A 52109 · Outside Services, Other - NT 52118 · Outside Services, Other - T | 1,009.52 2,444.75 66,841.00 |
| Total Other Professional/Outside Serv | 70,295.27 |

Humboldt Bay Harbor, Recreation & Conservation District **Profit & Loss**

| Small Tools 52800 · Small Tools · T 306.03 475.38 Total Small Tools 781.41 Maintenance - Facilities 52708 · Repairs & Maint, Facilities · T 52709 · Repairs & Maint, Facilities · N 79.014.65 551.92 S2709 · Repairs & Maint, Facilities · N 13.933.57 Total Maintenance - Facilities 93.500.14 Maintenance - Equipment 52718 · Repairs & Maint, Equip · T 3.311.42 S2719 · Repairs & Maint, Equip · NT 10,104.74 51209 · Automotive, Repairs · NT 6.810.00 Total Maintenance - Equipment 20.026.16 Maintenance - IT 2.066.82 57009 · Maintenance, IT Equip · T 2.066.82 57009 · Maintenance, IT Equip · NT 3.464.72 Total Maintenance - IT 5.531.54 Dredging Expense 55608 · Dredging Expense · T 25.853.19 86708 · Dredging Expense · T 465.300.00 56718 · Dredging · MT 465.300.00 70tal Dredging Expense 657,683.19 Rent Expense 65119 · Interest Expense · NT 40.254.23 55109 · Interest Expense · NT 34.47 Total Interest Expense · NT 34.47 Total Other Ex | | Jul - Dec 19 | | |
|---|---|--------------|------------------------|----------|
| Maintenance - Facilities 79,014.65 52709 - Repairs & Maint, Facilities - T 79,014.65 52709 - REPAIRS & MAINTENANCE G/NT 551.92 52719 - Repairs & Maint, Facilities - N 13,933.57 Total Maintenance - Equipment 52718 - Repairs & Maint, Equip - T 3,311.42 52719 - Repairs & Maint, Equip - NT 10,104.74 51209 - Automotive, Repairs - NT 6,610.00 Total Maintenance - Equipment 20,026.16 Maintenance - IT 2,066.82 57009 - Maintenance, IT Equip - T 3,464.72 Total Maintenance - IT 5,531.54 Dredging Expense 25,833.19 56708 - Dredging Expense - T 25,853.19 56708 - Dredging - OT 166,500.00 56718 - Dredging - MT 465,330.00 Total Dredging Expense 657,683.19 Rent Expense 657,683.19 Rent Expense 657,683.19 Total Prepairse 19,688.00 5519 - Interest Expense 62,124.50 Interest Expense 19,688.00 5519 - Interest Expense - NT 19,688.00 | 52800 · Small Tools - NT | | | |
| 52708 - Repairs & Maint, Facilities - T 79,014.65 52709 - REPAIRS & Maint, Facilities - N 13,933.57 Total Maintenance - Facilities 93,500.14 Maintenance - Equipment 3,311.42 52719 - Repairs & Maint, Equip - T 3,311.42 52710 - Repairs & Maint, Equip - NT 10,104.74 51209 - Automotive, Repairs - NT 6,610.00 Total Maintenance - Equipment 20,026.16 Maintenance - IT 2,066.82 57009 - Maintenance, IT Equip - NT 3,464.72 Total Maintenance - IT 5,531.54 Dredging Expense 25,853.19 56708 - Dredging Expense - T 25,853.19 56708 - Dredging Expense - T 166,500.00 56718 - Dredging - MT 406,500.00 56718 - Dredging - MT 406,500.00 Total Dredging Expense 62,124.50 Total Rent Expense 62,124.50 Total Rent Expense 62,124.50 Interest Expense 5519 - Interest Expense - NT 19,698.00 5519 - Interest Expense - NT 40,254.23 55109 - Interest Expense - NT 34,47 <t< th=""><th>Total Small Tools</th><th>781.41</th></t<> | Total Small Tools | 781.41 | | |
| Maintenance - Equipment 3,311.42 52710 - Repairs & Maint, Equip - NT 10,104.74 51209 - Automotive, Repairs - NT 10,104.74 51209 - Automotive, Repairs - NT 20,026.16 Maintenance - Equipment 20,026.16 Maintenance - IT 2,066.82 57009 - Maintenance, IT Equip - T 3,464.72 Total Maintenance - IT 5,531.54 Dredging Expense 55608 - Dredging Expense - T 25,853.19 56708 - Dredging - GT 166,500.00 56718 - Dredging - MT 465,330.00 Total Dredging Expense 657,683.19 Rent Expense 62,124.50 Total Rent Expense 62,124.50 Interest Expense 62,124.50 Interest Expense 62,124.50 Interest Expense 19,698.00 55119 - Interest Expense - NT 19,698.00 55109 - Interest Expense - NT 40,254.23 55108 - Interest Expense - NT 34,47 Total Interest Expenses - NT 34,47 Total Other Expenses - NT 34,47 Total Other Expenses - NT 34,47 | 52708 · Repairs & Maint, Facilities - T 52709 · REPAIRS & MAINTENANCE G/NT | 551.92 | | |
| 52718 - Repairs & Maint, Equip - NT 3,311.42 52710 - Repairs & Maint, Equip - NT 10,104.74 51209 - Automotive, Repairs - NT 20,026.16 Maintenance - Equipment 20,026.16 Maintenance - IT 2,066.82 57009 · Maintenance, IT Equip - NT 3,464.72 Total Maintenance - IT 5,531.54 Dredging Expense 55608 · Dredging Expense - T 25,853.19 56708 · Dredging Expense - T 166,500.00 56718 · Dredging Expense 657,683.19 Rent Expense 657,683.19 657,683.19 657,683.19 Rent Expense 62,124.50 10< | Total Maintenance - Facilities | 93,500.14 | | |
| Maintenance - IT \$7008 · Maintenance, IT Equip - T 2,066.82 57009 · Maintenance, IT Equip - NT 3,464.72 Total Maintenance - IT 5,531.54 Dredging Expense 55608 · Dredging Expense - T 25,853.19 56708 · Dredging - GT 166,500.00 56718 · Dredging - MT 465,330.00 Total Dredging Expense 657,683.19 Rent Expense 62,124.50 Total Rent Expense 62,124.50 Interest Expense 62,124.50 Interest Expense 62,124.50 Interest Expense 55119 · Interest Expense - NT 19,698.00 55109 · Interest Expense - NT 40,254.23 55109 · Interest Expense - T 56,454.15 Total Interest Expense 116,406.38 Other Expenses 34.47 Total Other Expenses - NT 34.47 Total Other Expenses 34.47 Grant Expenses 210.00 Conservation Grant Expenses 9,271.25 Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,271.25 Total Expense 2,328,464.64 Net Ordinary Income 3 | 52718 · Repairs & Maint, Equip - T 52710 · Repairs & Maint, Equip - NT | 10,104.74 | | |
| 57008 · Maintenance, IT Equip - T 3,464.72 Total Maintenance - IT 5,531.54 Dredging Expense 55608 · Dredging Expense - T 25,853.19 56708 · Dredging Expense - T 166,500.00 56718 · Dredging - MT 465,330.00 Total Dredging Expense 657,683.19 Rent Expense 657,683.19 Rent Expense 62,124.50 Interest Expense 62,124.50 Interest Expense 62,124.50 Interest Expense 55119 · INTEREST EXPENSE M/NT 19,698.00 55109 · Interest Expense - NT 40,254.23 55108 · Interest Expense - T 56,454.15 Total Interest Expenses - NT 34.47 Total Other Expenses 34.47 Grant Expenses 34.47 Total Other Expenses - S4408.1 · Harbor Grant Exp 210.00 Conservation Grant Expenses - S4408.3 · Conservation Grant Exp 9,271.25 Total Conservation Grant Expenses - S4408.3 · Conservation Grant Expenses - S4408.4 · Conservation Grant Exp | Total Maintenance - Equipment | 20,026.16 | | |
| Dredging Expense 25,853.19 55608 · Dredging GT 166,500.00 56718 · Dredging - MT 465,330.00 Total Dredging Expense 657,683.19 Rent Expense 657,683.19 Rent Expense 62,124.50 Total Rent Expense 62,124.50 Interest Expense 55119 · INTEREST EXPENSE M/NT 19,698.00 55109 · Interest Expense - NT 40,254.23 55108 · Interest Expense - T 56,454.15 Total Interest Expenses 116,406.38 Other Expenses 34.47 Total Other Expenses - NT 34.47 Grant Expenses 34.47 Grant Expenses 210.00 Total Harbor Grant Expenses 210.00 Conservation Grant Expenses 9,271.25 Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,271.25 | 57008 · Maintenance, IT Equip - T | , | | |
| 55608 · Dredging Expense - T 25,853.19 56708 · Dredging - GT 166,500.00 56718 · Dredging - MT 465,330.00 Total Dredging Expense 657,683.19 Rent Expense 54308 · Redwood Terminal 2 Lease Expens 62,124.50 Interest Expense 55119 · INTEREST EXPENSE M/NT 19,698.00 55119 · Interest Expense - NT 40,254.23 55108 · Interest Expense - T 56,454.15 Total Interest Expenses - NT 34.47 Total Other Expenses - NT 34.47 Grant Expenses 34.47 Grant Expenses 210.00 Total Other Expenses 210.00 Conservation Grant Expenses 9,271.25 Total Conservation Grant Expenses 9,271.25 Total Expenses 9,281.25 <td <="" colspan="2" th=""><th>Total Maintenance - IT</th><th>5,531.54</th></td> | <th>Total Maintenance - IT</th> <th>5,531.54</th> | | Total Maintenance - IT | 5,531.54 |
| Rent Expense 54308 · Redwood Terminal 2 Lease Expens 62,124.50 Total Rent Expense 62,124.50 Interest Expense 62,124.50 Interest Expense 19,698.00 55119 · INTEREST EXPENSE M/NT 40,254.23 55109 · Interest Expense · NT 40,254.23 55108 · Interest Expense · T 56,454.15 Total Interest Expenses 116,406.38 Other Expenses 34.47 Grant Expenses 34.47 Grant Expenses 34.47 Grant Expenses 210.00 Total Harbor Grant Expenses 210.00 Conservation Grant Expenses 9,271.25 Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,271.25 Total Grant Expenses 9,481.25 Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | 55608 · Dredging Expense - T 56708 · Dredging - GT | 166,500.00 | | |
| 54308 · Redwood Terminal 2 Lease Expens 62,124.50 Total Rent Expense 62,124.50 Interest Expense 55119 · INTEREST EXPENSE M/NT 19,698.00 55109 · Interest Expense - NT 40,254.23 55108 · Interest Expense - T 56,454.15 Total Interest Expense 116,406.38 Other Expenses 55419 · Other Expenses - NT 34.47 Total Other Expenses - NT 34.47 Grant Expenses - NT 210.00 Total Expenses - S4408.1 · Harbor Grant Expenses - S4408.1 · Harbor Grant Expenses - S4408.3 · Conservation Grant Expenses - S4408.4 · Conservation Grant Ex | Total Dredging Expense | 657,683.19 | | |
| Interest Expense 55119 · INTEREST EXPENSE M/NT 19,698.00 55109 · Interest Expense · NT 40,254.23 55108 · Interest Expense · T 56,454.15 Total Interest Expense 116,406.38 | | 62,124.50 | | |
| 55119 · İNTEREST EXPENSE M/NT 19,698.00 55109 · Interest Expense - NT 40,254.23 55108 · Interest Expense - T 56,454.15 Total Interest Expense 116,406.38 Other Expenses 55419 · Other Expenses - NT 34.47 Total Other Expenses - NT 34.47 Grant Expenses - NT 210.00 Total Expenses - S4408.1 · Harbor Grant Exp 210.00 Conservation Grant Expenses - S4408.3 · Conse | Total Rent Expense | 62,124.50 | | |
| Other Expenses 34.47 Total Other Expenses 34.47 Grant Expenses 34.47 Grant Expenses 210.00 Total Harbor Grant Expenses 210.00 Conservation Grant Expenses 9,271.25 Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,481.25 Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | 55119 · İNTEREST EXPENSE M/NT 55109 · Interest Expense - NT | 40,254.23 | | |
| 55419 · Other Expenses - NT 34.47 Total Other Expenses 34.47 Grant Expenses 210.00 Harbor Grant Expenses 210.00 Total Harbor Grant Expenses 210.00 Conservation Grant Expenses 9,271.25 Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,271.25 Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | Total Interest Expense | 116,406.38 | | |
| Grant Expenses Harbor Grant Expenses 54408.1 · Harbor Grant Exp Total Harbor Grant Expenses 210.00 Conservation Grant Expenses 54408.3 · Conservation Grant Exp Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,481.25 Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | | 34.47 | | |
| Harbor Grant Expenses 54408.1 · Harbor Grant Exp Total Harbor Grant Expenses 210.00 Conservation Grant Expenses 54408.3 · Conservation Grant Exp Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,481.25 Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | Total Other Expenses | 34.47 | | |
| Conservation Grant Expenses 54408.3 · Conservation Grant Exp 9,271.25 Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,481.25 Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | Harbor Grant Expenses | 210.00 | | |
| 54408.3 · Conservation Grant Exp 9,271.25 Total Conservation Grant Expenses 9,271.25 Total Grant Expenses 9,481.25 Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | Total Harbor Grant Expenses | 210.00 | | |
| Total Grant Expenses 9,481.25 Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | | 9,271.25 | | |
| Total Expense 2,328,464.64 Net Ordinary Income 37,078.27 | Total Conservation Grant Expenses | 9,271.25 | | |
| Net Ordinary Income 37,078.27 | Total Grant Expenses | 9,481.25 | | |
| | Total Expense | 2,328,464.64 | | |
| Net Income 37,078.27 | Net Ordinary Income | 37,078.27 | | |
| | Net Income | 37,078.27 | | |

9:47 AM 01/28/20

Accrual Basis

Humboldt Bay Harbor, Recreation & Conservation District Account QuickReport

| Туре | Date | Num | Name | Memo | Amount |
|------------------------------------|--------------------------|----------------|--|---|-------------------------|
| 10200.1 · Cash in BE | | | | | |
| Liability Check | 12/12/2019 | | QuickBooks Payroll Service | Created by Payroll Service on 12/11/ | -19,613.27 |
| Liability Check | 12/23/2019 12/26/2019 | | QuickBooks Payroll Service QuickBooks Payroll Service | Created by Payroll Service on 12/20/ Created by Payroll Service on 12/24/ | -1,116.32 -20.807.63 |
| Liability Check Check | 12/16/2019 | | QuickBooks Payioli Service | Service Charge | -20,607.03 -141.21 |
| Liability Check | 12/02/2019 | EFT | State Disbursement Unit | 0230000067964 | -233.53 |
| Liability Check | 12/10/2019 | EFT | PERS Unfunded Accrued Liab | 2233447024 Payday 11/29/19 | -3,992.74 |
| Liability Check | 12/10/2019 | EFT | PERS Unfunded Accrued Liab | 2233447024 Out of Class Adj for Ric | -4.69 |
| Bill Pmt -Check | 12/13/2019 | EFT | CalPERS 457 Program | 457Match 12/13/2019 | -300.00 |
| Liability Check | 12/13/2019 | EFT | CalPERS 457 Program | 450348 | -950.00 |
| Liability Check | 12/13/2019 | EFT EFT | PERS Unfunded Accrued Liab PERS Unfunded Accrued Liab | 2233447024 | -4,024.82 -9.39 |
| Liability Check Bill Pmt -Check | 12/13/2019 12/19/2019 | EFT | Pacific Gas & Electric (8259-4) address | 2233447024 Rick Juchtzer Out of Cl 0074698259-4 Conf# 3539909462231 | -6,808.40 |
| Bill Pmt -Check | 12/19/2019 | EFT | AT&T Phone | 707 443-0801 071 7 | -545.89 |
| Bill Pmt -Check | 12/27/2019 | EFT | CalPERS 457 Program | 457Match 12/27/2019 | -300.00 |
| Liability Check | 12/27/2019 | EFT | CalPERS 457 Program | 450348 | -950.00 |
| Liability Check | 12/27/2019 | EFT | PERS Unfunded Accrued Liab | 2233447024 | -4,024.82 |
| Bill Pmt -Check | 12/27/2019 | EFT | PERS Unfunded Accrued Liab | 2233447024 | -5,033.55 |
| Liability Check | 12/27/2019 | EFT | State Disbursement Unit | 0230000067964 | -233.53 |
| Liability Check Liability Check | 12/11/2019 12/11/2019 | E-pay E-pay | Employment Development Department Tri Counties Bank | 499-0307-3 Pay Period 11/24 - 12/7/ 94-2262845 Pay Period 11/24 - 12/0 | -1,286.98 -3,420.68 |
| Liability Check | 12/11/2019 | E-pay | Employment Development Department | 499-0307-3 QB Tracking # 1414217 | -39.30 |
| Liability Check | 12/20/2019 | E-pay | Tri Counties Bank | 94-2262845 Vacation Buyout QB Tr | -117.26 |
| Liability Check | 12/24/2019 | E-pay | Employment Development Department | 499-0307-3 QB Tracking # 1561242 | -1,208.77 |
| Liability Check | 12/24/2019 | E-pay | Tri Counties Bank | 94-2262845 Pay Period 12/8-12/21/ | -3,498.80 |
| Bill Pmt -Check | 12/16/2019 | Wire Xfer | Humboldt Bay Developement Association | RMT2 Lease Pymt Q4 2019 | -3,000.00 |
| Liability Check | 12/13/2019 | RE-EFT 1/14 | State Disbursement Unit | 0230000067964 S. Fuller | -233.53 |
| Bill Pmt -Check | 12/04/2019 | 59753 | ACWA JPIA | December 2019 | -32,108.85 |
| Bill Pmt -Check | 12/04/2019 | 59754 | AT&T Internet | 831-000-8571 571 | -933.88 |
| Bill Pmt -Check | 12/04/2019 | 59755 50756 | Commercial Laundry Repair | Dryer motor and fan repair - WIM | -125.00 |
| Bill Pmt -Check Bill Pmt -Check | 12/04/2019 12/04/2019 | 59756 59757 | David L. Moonie & Company Englund Marine Supply | October 2019 | -1,340.00 -1,031.22 |
| Bill Pmt -Check | 12/04/2019 | 59758 | Hensell Materials. Inc. | RMT 2 Sewer Pipe base rock | -81.38 |
| Bill Pmt -Check | 12/04/2019 | 59759 | Interstate Battery | RMT 2 Redtank Battery | -27.07 |
| Bill Pmt -Check | 12/04/2019 | 59760 | Mendes Supply Company | Time 2 House in Balloty | -452.65 |
| Bill Pmt -Check | 12/04/2019 | 59761 | Mr. Rooter Plumbing | Hydro Scrub, PO #1510 | -587.06 |
| Bill Pmt -Check | 12/04/2019 | 59762 | Nylex.net | Hard Drive for Server | -167.54 |
| Bill Pmt -Check | 12/04/2019 | 59763 | Picky Picky Inc. | Scott Fuller PPE | -65.09 |
| Bill Pmt -Check | 12/04/2019 | 59764 | Pintermedia LLC | 004007007 | -90.00 |
| Bill Pmt -Check | 12/04/2019 12/04/2019 | 59765 59766 | Recology Eel River | 061097997 A0000265 | -402.17 -651.06 |
| Bill Pmt -Check Bill Pmt -Check | 12/04/2019 | 59767 | Recology Humboldt County Rogers Machinery Co. | WIM Air Compressor Parts | -122.61 |
| Bill Pmt -Check | 12/04/2019 | 59768 | Security Lock & Alarm | RMT 2 Keys | -11.83 |
| Bill Pmt -Check | 12/04/2019 | 59769 | Shafer's Ace Hardware | 1586 | -375.70 |
| Bill Pmt -Check | 12/04/2019 | 59770 | Shelter Cove Fishing Preservation Inc | SC Janitorial | -2,083.33 |
| Bill Pmt -Check | 12/04/2019 | 59771 | Shelter Cove Resort Improvement District | SC | -133.64 |
| Bill Pmt -Check | 12/04/2019 | 59772 | SHN Consulting Engineers & Geologists | | -2,770.00 |
| Bill Pmt -Check | 12/04/2019 | 59773 | Southwest Answering Service | | -157.70 -81.31 |
| Bill Pmt -Check Bill Pmt -Check | 12/04/2019 12/04/2019 | 59774 59775 | Specialty Traffic Systems Staples Credit Plan | 6035 5178 1247 5530 | -01.31 -46.59 |
| Bill Pmt -Check | 12/04/2019 | 59776 | Tehama Tire | FLBY Travel Lift Tire Repair - PO # | -1.009.70 |
| Bill Pmt -Check | 12/04/2019 | 59777 | The Mitchell Law Firm, LLP | TEST Travel Ent The Repair Te # | -2.677.00 |
| Bill Pmt -Check | 12/04/2019 | 59778 | Thrifty Supply | WIM Sewer Meter Rubber Flange | -23.31 |
| Bill Pmt -Check | 12/04/2019 | 59779 | Total Compensation Systems, Inc. | GASB75 Valuation Services - 2nd In | -1,620.00 |
| Bill Pmt -Check | 12/04/2019 | 59780 | World Oil Environmental Services | WIM | -65.00 |
| Liability Check | 12/11/2019 | 59782 | Employment Development Department | 1713957888 | -255.00 |
| Check | 12/11/2019 | 59783 | Johnson, Greg | Tenant Refund | -101.40 |
| Check Check | 12/11/2019 12/11/2019 | 59784 59785 | Nicolini, John Butterworth, Charles | Key Return 1147 Tenant Refund | -40.00 -101.32 |
| Check | 12/11/2019 | 59786 | Ludwig, Stephen | Tenant Refund | -1,249.60 |
| Check | 12/11/2019 | 59787 | Cortopossi, Curt | Tenant Refund | -273.00 |
| Check | 12/11/2019 | 59788 | Paschall, Robin | Tenant Refund | -135.00 |
| Bill Pmt -Check | 12/12/2019 | 59789 | Recology Humboldt County | A0000265 | -1,151.60 |
| Bill Pmt -Check | 12/12/2019 | 59790 | Recology Humboldt County | A0000265 | -1,046.10 |
| Bill Pmt -Check | 12/12/2019 | 59791 | Combined Benefits Administrators | Prefund | -8,000.00 |
| Bill Pmt -Check | 12/12/2019 | 59792 | Recology Humboldt County | A0000265 | -651.06 |
| Bill Pmt -Check | 12/12/2019 | 59793 | City of Eureka | WIM | -14,620.57 |
| Bill Pmt -Check | 12/12/2019 | 59794 50705 | Humboldt Community Services District | 3165 | -428.32 251.69 |
| Bill Pmt -Check Bill Pmt -Check | 12/12/2019 12/12/2019 | 59795 59796 | Recology Humboldt County Coastal Business Systems, Inc. | A0000265 WIM Copier Lease 11/20 - 12/20 | -251.68 -268.22 |
| Bill Pmt -Check | 12/12/2019 | 59796 59797 | Recology Humboldt County | A0000265 | -206.22 -1,337.87 |
| Bill Pmt -Check | 12/12/2019 | 59798 | Recology Humboldt County | A0000265 | -1,568.66 |
| Bill Pmt -Check | 12/12/2019 | 59799 | Recology Humboldt County | A0000265 | -383.57 |
| Bill Pmt -Check | 12/12/2019 | 59800 | Recology Humboldt County | A0000265 | -33.07 |
| Bill Pmt -Check | 12/12/2019 | 59801 | Recology Humboldt County | A0000265 | -28.69 |
| Bill Pmt -Check | 12/12/2019 | 59802 | Advanced Security Systems | | -391.50 |
| Bill Pmt -Check | 12/12/2019 | 59803 | B & B Portable Toilets | RWD | -185.74 |
| Bill Pmt -Check | 12/12/2019 | 59804 | California Redwood Co. | 7107 | -1,440.01 |
| Bill Pmt -Check | 12/12/2019 | 59805 | Don's Rent-All | 7197 | -108.50 |

Humboldt Bay Harbor, Recreation & Conservation District Account QuickReport

| | Туре | Date | Num | Name | Memo | Amount |
|----------------------|---------|--------------------------|----------------|--|---|---------------------------|
| Bill Pmt | -Check | 12/12/2019 | 59806 | Fortuna Iron | WIM F-Dock Weldments | -385.21 |
| Bill Pmt | -Check | 12/12/2019 | 59807 | Francotyp-Postalia | 466106100 | -144.78 |
| Bill Pmt | | 12/12/2019 | 59808 | Hilficker Company | FLBY PO #1508 | -476.53 |
| Bill Pmt | | 12/12/2019 | 59809 | Pierson Building Center | | -804.30 |
| Bill Pmt | | 12/12/2019 | 59810 | Tehama Tire | FLBY Travel Lift Tire Repair - PO # | -1,325.25 |
| Bill Pmt | | 12/12/2019 | 59811 | Times-Standard, Tri-City Weekly | Public Notice: Ordinance No. 15, Am | -216.75 |
| Bill Pmt | | 12/12/2019 | 59812 | Tony Gosselin & Sons | Wheel Barrow Tire - RMT II | -26.65 |
| Bill Pmt Bill Pmt | | 12/27/2019 12/27/2019 | 59814 59815 | BBVA Compass BBVA Compass | | -154,070.31 -80,355.22 |
| Bill Pmt | | 12/27/2019 | 59816 | 101Netlink | WIM & FL | -80,333.22 |
| Bill Pmt | | 12/27/2019 | 59817 | ACWA JPIA | January 2020 | -34,058.36 |
| Bill Pmt | | 12/27/2019 | 59818 | AT&T Internet | 831-000-8571 571 | -933.88 |
| Bill Pmt | | 12/27/2019 | 59819 | B & B Portable Toilets | RWD | -182.99 |
| Bill Pmt | | 12/27/2019 | 59820 | CA Harbor Masters & Port Captains | Association Annual Membership Du | -300.00 |
| Bill Pmt | | 12/27/2019 | 59821 | California Special Districts Association | Membership ID: 1253, 2020 CSDA | -7,077.00 |
| Bill Pmt | -Check | 12/27/2019 | 59822 | Coast Seafood Co. | December 2019 Interest and Princip | -13,000.00 |
| Bill Pmt | -Check | 12/27/2019 | 59823 | Coldwell Banker Commerical PacificPart | RMT2 - Rogue Construction | -360.00 |
| Bill Pmt | -Check | 12/27/2019 | 59824 | David L. Moonie & Company | November 2019 | -2,351.00 |
| Bill Pmt | -Check | 12/27/2019 | 59825 | Eel River Scrap & Salvage | Scrap removal - RMT II | -187.50 |
| Bill Pmt | | 12/27/2019 | 59826 | Englund Marine Supply | WIM | -30.92 |
| Bill Pmt | | 12/27/2019 | 59827 | Figas Construction | Piling Removal (Retainer) | -8,800.00 |
| Bill Pmt | | 12/27/2019 | 59828 | Hensell Materials, Inc. | FC | -1.22 |
| Bill Pmt | | 12/27/2019 | 59830 | Horvath Plumbing | PO #1512 | -372.00 |
| Bill Pmt | | 12/27/2019 | 59831 | HSU Sponsored Programs Foundation | Ports, Account 000818 | -2,307.53 |
| Bill Pmt | | 12/27/2019 | 59832 | Humboldt Bay Municipal Water Dist. | 9002.001 RMT2 | -624.90 |
| Bill Pmt | | 12/27/2019 | 59833 | Humboldt Bay Solar Fund LLC | 0405 | -17,511.57 |
| Bill Pmt | | 12/27/2019 | 59834 | Humboldt Community Services District | 3165 | -377.36 |
| Bill Pmt Bill Pmt | | 12/27/2019 12/27/2019 | 59835 59836 | Humboldt County Tax Collector ICF Jones & Stokes, Inc. | DEF170001111 401-112-024-000 Professional Services 1/1-2/22/19 | -11,504.64 -543.75 |
| Bill Pmt | | 12/27/2019 | 59837 | Mendes Supply Company | 2705 | -543.75 -602.97 |
| Bill Pmt | | 12/27/2019 | 59838 | Mikkelsen. Chris | 2700 | -108.39 |
| Bill Pmt | | 12/27/2019 | 59839 | Munnell & Sherrill | | -203.67 |
| Bill Pmt | | 12/27/2019 | 59840 | Napa Auto Parts | | -464.47 |
| Bill Pmt | | 12/27/2019 | 59841 | North Coast Laboratories, LTD | | -1,317.00 |
| Bill Pmt | | 12/27/2019 | 59842 | Nylex.net | Repair Backup | -125.00 |
| Bill Pmt | -Check | 12/27/2019 | 59843 | Pacific Affiliates | • | -11,000.00 |
| Bill Pmt | -Check | 12/27/2019 | 59844 | Pacific Coast Congress | Annual Corporate Membership Dues | -265.00 |
| Bill Pmt | | 12/27/2019 | 59845 | Pacific Galvanizing | HUM | -237.20 |
| Bill Pmt | | 12/27/2019 | 59846 | Pacific Gas & Electric (Non-Energy) | 2072047 | -372.38 |
| Bill Pmt | | 12/27/2019 | 59847 | Pintermedia LLC | | -60.00 |
| Bill Pmt | | 12/27/2019 | 59848 | Planwest Partners, Inc. | | -9,610.50 |
| Bill Pmt | | 12/27/2019 | 59849 | Razursharp | HUMBOLBOX | -117.69 |
| Bill Pmt | | 12/27/2019 | 59850 | Renner Petroleum | 14137 | -1,189.65 |
| Bill Pmt | | 12/27/2019 | 59851 | Schmidbauer Building Supply | 1506 | -94.45 |
| Bill Pmt Bill Pmt | | 12/27/2019 12/27/2019 | 59852 59853 | Shafer's Ace Hardware Shelter Cove Resort Improvement District | 1586 SC | -87.31 -253.78 |
| Bill Pmt | | 12/27/2019 | 59854 | SHN Consulting Engineers & Geologists | 30 | -3,463.08 |
| Bill Pmt | | 12/27/2019 | 59855 | Southwest Answering Service | | -187.70 |
| Bill Pmt | | 12/27/2019 | 59856 | Standard Insurance Company | ST 908447 0001 | -189.60 |
| Bill Pmt | | 12/27/2019 | 59857 | Staples Credit Plan | 6035 5178 1247 5530 | -95.35 |
| Bill Pmt | | 12/27/2019 | 59858 | State Water Resource Control Board | 0000 0170 1217 0000 | -21,679.00 |
| Bill Pmt | | 12/27/2019 | 59859 | Tehama Tire | | -53.12 |
| Bill Pmt | | 12/27/2019 | 59860 | The Mitchell Law Firm, LLP | | -1,944.00 |
| Bill Pmt | -Check | 12/27/2019 | 59861 | Thrifty Supply | WIM PO #1518 | -500.37 |
| Bill Pmt | -Check | 12/27/2019 | 59862 | Uline | 15461937 | -223.10 |
| Bill Pmt | -Check | 12/27/2019 | 59863 | Verizon Wireless | | -74.63 |
| Bill Pmt | | 12/27/2019 | 59864 | Western Chainsaw | | -126.36 |
| Bill Pmt | | 12/27/2019 | 59865 | World Oil Enviromental Services | | -145.00 |
| Bill Pmt | | 12/27/2019 | 59866 | Eureka Oxygen Company | | -138.02 |
| Bill Pmt | | 12/27/2019 | 59867 | Pacific Gas & Electric (1906-4) | Acct #0670491906-4 | -2,919.27 |
| Bill Pmt | | 12/27/2019 | 59868 | Specialty Traffic Systems | | -2.00 |
| Bill Pmt | -Check | 12/27/2019 | 59869 | Verizon Wireless | | -374.90 |
| Check | | 12/27/2019 | 59870 | U S Bank Corporate Payment System | 4246044555706765 | -3,632.11 |
| | 10200.1 | Cash in BBVA, Checkin | ng | | - | -565,752.97 |
| TOTAL | | | | | = | -565,752.97 |

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

January 23, 2020

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.

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 California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: California Marine Investments LLC. Under negotiation: price and payment terms.
- b) CONFERENCE WITH REAL PROPERTY NEGOTIATORS. Terms of potential purchase of real property with Assessor's Parcel Numbers 002-162-001, 002-161-001, 002-162-018, 014-161- 013, 014-161-014, and 014-161-006, and 014-161-007 in the Eureka, Humboldt County, California pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: Ted Loring. Under negotiation: price and payment terms.
- c) CONFERENCE WITH LEGAL COUNSEL--ANTICIPATED LITIGATION. Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: (One case) (Glasshouse Gardens Inc)
- d) 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, 401-031-056 pursuant to California Government Code § 54956.8. District negotiators: Larry Oetker, Executive Director and Ryan Plotz, District Counsel. Negotiating party: Pete Oringer, Timber Heritage Association. Under negotiation: price and payment terms.

OPEN SESSION - 7:02 P.M.

ROLL CALL:

PRESENT: DOSS

MARKS HIGGINS KULLMANN

ABSENT: DALE QUORUM: YES

PLEDGE OF ALLEGIANCE

ELECTION OF BOARD PRESIDENT, VICE PRESIDENT AND SECRETARY

- I. Vice Chair Kullmann opened discussion on the item.
- II. The Commission discussed the item.
- III. Vice Chair Kullmann opened the item to public comment. No one commented
- IV. Vice Chair Kullmann moved the discussion back to the Commission.
- V. COMMISSIONER MARKS MOVED TO NOMINATE COMMISSIONER KULLMANN FOR PRESIDENT, COMMISSIONER DOSS FOR VICE PRESIDENT AND COMMISSIONER HIGGINS FOR SECRETARY. COMMISSIONER HIGGINS SECONDED.

VOICE VOTE WAS CALLED, MOTION CARRIED WITHOUT DISSENT.

Aves: DOSS, HIGGINS, KULLMANN, MARKS

Noes: NONE Absent: DALE Abstain: NONE

Draft Minutes for January 23, 2020 Regular Board Meeting

PEPORT ON EXECUTIVE CLOSED SESSION: No reportable action.

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

CONSENT CALENDAR

- a) Consideration of Acceptance of Permit Application 2020-01 for Filing
- b) Receive District Financial Reports for September, October and November 2019
- c) Approval of Meeting Minutes for October 24, 2019 Regular Board Meeting
- d) Approval of Meeting Minutes for November 14, 2019 Special Board Meeting
- e) Approval of Meeting Minutes for December 12, 2019 Special Board Meeting
 - I. COMMISSIONER MARKS MOVED TO APPROVE THE CONSENT CALENDAR.
 - II. COMMISSIONER HIGGINS SECONDED.
 - II. Chair Kullmann opened the item to the public comment. No members of the public commented.
 - III. Chair Kullmann moved the discussion back to the Commission.

VOICE VOTE WAS CALLED, MOTION CARRIED.

Ayes: DOSS, HIGGINS, KULLMANN, MARKS

Noes: NONE Absent: DALE Abstain: NONE

COMMUNICATIONS AND REPORTS

- a) Executive Director's Report
 - Executive Director presented Executive Director's Report.
- b) Staff Reports
 - I. Staff presented on recent District activities.
- c) District Counsel and District Treasurer Reports
 - I. No report.
- d) Commissioner and Committee Reports
 - I. Commissioners reported on their recent activities.
- e) Others
 - I. No report.

UNFINISHED BUSINESS - NONE

NEW BUSINESS

- a) Humboldt Bay Management Plan Billboard Policy Amendment
 - I. District Staff presented the item.
 - II. The Commission discussed the item.
 - III. Chair Kullmann opened the item to public comment. Geoff Wills, Michele McKeegan, Dave Meserve, Jennifer Kalt and Scott Frazier commented.
 - IV. Chair Kullmann moved the discussion back to the Commission.

COMMISSIONER MARKS MOVED TO HAVE STAFF PREPARE A BILLBOARD PERMITTING POLICY CLARIFYING THAT THE DISTRICT CANNOT PERMIT THE FOLLOWING ITEMS WITHIN DISTRICT JURISDICTION: CONTRUCT NEW BILLBOARD, EXPAND FOOTPRINT OF EXISTING BILLBOARD, REERECT BILLBOARD THAT HAS COLLAPSED, OR ROUTINE MAINTENANCE OF EXISTING BILLBOARD STRUCTURES.

COMMISSIONER HIGGINS SECONDED

VOICE VOTE WAS CALLED, MOTION CARRIED.

Ayes: HIGGINS, KULLMANN, MARKS

Noes: DOSS Absent: DALE Abstain: NONE

Draft Minutes for January 23, 2020 Regular Board Meeting

- b) Update on the formation of the Volunteer Boat Captain Program:
 - I. District staff presented the item.
 - II. The Commission discussed the item.
 - III. Chair Kullmann opened the item to public comment. Alan Bobillot commented.
 - IV. Chair Kullmann moved the discussion back to the Commission.
 - V. Update item only, no formal action was taken.
- c) Consideration of Resolution 2020-01, A Resolution Declaring that Governing Body and Volunteers Shall Be Deemed Employees of the District for the Purpose of Providing Workers' Compensation Coverage
 - I. District Staff presented the item.
 - II. The Commission discussed the item.
 - III. Chair Kullmann opened the item to public comment. No one commented.
 - IV. Chair Kullmann moved the discussion back to the Commission.

COMMISSIONER DOSS MOVED TO APPROVE RESOLUTION 2020-01, A RESOLUTION DECLARING THAT COVERNING BODY AND VOLUNTEERS SHALL BE DEEMED EMPLOYEES OF THE DISTRICT FOR THE PURPOSE OF PROVIDING WORKERS' COMPENSATION COVERAGE.

COMMISSIONER MARKS SECONDED

ROLL CALL VOTE WAS CALLED, MOTION CARRIED.

Ayes: DOSS, HIGGINS, KULLMANN, MARKS

Noes: NONE Absent: DALE Abstain: NONE

ADJOURNMENT - 8:20 P.M.

ADMINISTRATIVE AND EMERGENCY PERMITS - NONE

APPROVED BY:

RECORDED BY:

Patrick Higgins

Mindy Hiley

Secretary of the Board of Commissioners

Director of Administrative Services

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 February 27, 2020

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

DATE: February 21, 2020

TITLE: Approval of Invoice from City of Eureka for partial payment of PO #1470, Aerial Photo

and LiDAR Acquisition 2019 for the Humboldt Bay Region

STAFF RECOMMENDATION: Staff Recommends that the Board: authorize the expenditure of \$7,000 for LiDAR imagery

BACKGROUND: The City of Eureka took the lead in contracting for new LiDAR imagery for the Humboldt Bay region. The Harbor District along with the County of Humboldt, and Humboldt Community Services District cooperating in funding this project which has a total cost of approximately \$143,000.

DISCUSSION: The Lidar data will be uploaded onto the Harbor District, City of Eureka and Humboldt County GIS systems. LIDAR, which stands for *Light Detection and Ranging*, is a remote sensing method that uses light in the form of a pulsed laser to measure ranges (variable distances) to the Earth. These light pulses—combined with other data recorded by the airborne system— generate precise, three-dimensional information about the shape of the Earth and its surface characteristics.

ATTACHMENTS:

A. August 29, 2019 letter from City of Eureka requesting payment.



Deluxe Corporation 1-800-328-0304 or www.deluxe.c

Phone: (707) 441-8855 Email: info@shn-engr.com Web: shn-engr.com 812 W. Wabash Avenue, Eureka, CA 95501-2138

Reference: 016008.700

RECEIVED

August 29, 2019

SFP 2 3 2019

Larry Oetkar Humboldt Bay Harbor, Recreation and Conservation District 601 Startare Drive Eureka, CA 95501

H.B.H.R. & C.D.

Subject:

Aerial Photo and LiDAR Acquisition 2019, Request for Payment

Dear Larry Oetkar:

Thank you for being a partner in the City of Eureka's Aerial Photo and LiDAR Acquisition project. This is an important project and will be valuable to all of us.

Riley Topolewski, Senior Planner for the City of Eureka's Community Development Department has indicated that your portion of this effort amounts to \$7,000.

SHN has agreed to help facilitate this project. Please send payment payable to SHN, at 812 West Wabash Avenue, Eureka, California 95501-2138 as soon as possible so that we can keep this project on track. For ease in processing, please reference SHN job #016008.700.

Thank you for your prompt attention to this request. Please call me at (707) 441-8855 if you have any questions.

Sincerely,

SHN

GSW:lms

Greg Williston Regional Principal

Account #52400 -A

52408-1

ENT APPROVED

Board of Commissioners

Approval Date:

(If required)

\\Eureka\Projects\2016\016008-EurekaOnCall\700-AerialLidar\PUBS\Inv\20190829-PaymentRequestOetkar.docx



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 February 27, 2020

TO: Honorable Board President and Harbor District Board Members

FROM: Chris Mikkelsen, Director of Facilities Maintenance

DATE: February 18, 2020

TITLE: Approval to proceed with a Proposal from Redwood Electrical Services in the amount

of \$4,080.18 for replacement of the electric service panel on Dock "I".

STAFF RECOMMENDATION: Staff recommends the Board accept the proposal from Redwood Electrical for the intended repairs.

BACKGROUND: Electric supply issues at Dock "I' have been occurring at various times; however, no specific cause to date had been determined. Redwood Electrical Services was called and found a burnt distribution wire, a failed breaker, and some permanent damage to the buss. Due in part to the failure and the age of the panel, replacement is now necessary. As Redwood Electrical is both familiar with and has been providing services to the District for many years, their professional credentials and working knowledge of our facility qualifies them for such an assignment.

ATTACHMENTS:

A. Redwood Electrical Services Proposal

REDWOOD ELECTRICAL SERVICES

4566 Excelsior Road Eureka, CA 95503 US 707-444-1374 office@redwoodelectrical.services



1016

01/29/2020

ESTIMATE

DATE

Estimate

ADDRESS Humboldt Bay Harbor District Humboldt Bay Harbor District P.O. Box 1030 Eureka, CA 95502-130 **United States**

PROJECT:

SUB-PROJECT ID

Woodley Island Marina

Dock I Panel

| DATE | ACTIVITY | DESCRIPTION | QTY | RATE | AMOUNT |
|-----------------------|--------------------|--------------------------|-----|----------|------------|
| 01/29/2020 | Services and Labor | Dock I panel replacement | 1 | 4,080.18 | 4,080.18 |
| Dock I panel replacem | nent as discussed | TOTAL | | | \$4,080.18 |

Accepted By

Accepted Date

26 of 113

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 February 27, 2020

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

DATE: February 18, 2020

TITLE: Report from Humboldt Bay Harbor District's Dredging Sub-Committee.

STAFF RECOMMENDATION: Receive a report from the Humboldt Bay Harbor District Dredging Sub-Committee.

BACKGROUND: The dredging sub-committee continues to work towards finding solutions to dredging Woodley Island Marina, Fields Landing Boat Yard, Fisherman's Channel and the other District facilities. Recently a letter was sent to the North Coast Regional Water Quality Control Board which provided specific recommended amendments to the Water Quality Control Plan for the North Coast Region to encourage dredge sediment material to be reused for climate change adaptation, habitat restoration projects, and other beneficial uses. The Committee would like to discuss the proposed amendments and other items with the Board.

ATTACHMENTS:

A. January 31, 2020 letter from the Humboldt Bay Harbor District to the North Coast Regional Water Quality Control Board.

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

(707) 443-0801 P.O. Box 1030 Eureka, California 95502-1030



January 31, 2020

Mr. Matt St. John, Executive Director North Coast Regional Water Quality Control Board 5550 Skylane Blvd, Suite A Santa Rosa, CA 95403

SUBJECT: Recommended Amendments to Water Quality Control Plan for the North Coast Region to Encourage Dredge Sediment Material to be Reused for Climate Change Adaptation and Habitat Restoration Projects.

Dear Mr. St. John,

As you know, the Humboldt Bay Harbor, Recreation and Conservation District (Harbor District) helps maintain commerce and marine trade, but also holds "Public Trust" responsibility granted by the State of California over certain waters of Humboldt Bay and proactively works with our partners in protecting and restoring the Humboldt Bay ecosystem. We need help from the North Coast Regional Water Quality Control Board (NCRWQCB) so we can dramatically reduce, if not eliminate, the wasteful practice of taking 100,000s of cubic yards tested/clean fine-grain dredged sediment material and millions of cubic yards of sandy material from Humboldt Bay each decade several miles offshore to the Humboldt Open Ocean Disposal Site (HOODS) for disposal. This source of tested/clean sediment is needed around the perimeter of the Humboldt Bay for adaptation to sea level rise, to restore salt marsh systems and ecosystem function, and for beach and dune replenishment.

NCRWQCB and staff have long recognized this problem which was articulated well in the Executive Officer's Report to the Board in February 2017 titled: Beneficial Reuse of Dredged Material in North Coast Region authored by Gil Falcone. In your report, the NCRWQCB committed to work with partner agencies to find pathways for beneficial reuse projects that would alleviate the accumulation of dredged material and also be protective of water quality. These efforts are greatly appreciated, but have not been as successful as needed in order to timely adapt to climate change.

The Harbor District has identified the following recommended amendments to the Water Quality Control Plan for the North Coast Region that we believe will encourage clean dredge sediment material to be beneficially reused and meet water quality objectives.

1. Amend Section 4.1.8 Action Plan For Low Threat Discharges to include groundwater:

"Low-threat point source discharges may be permitted to surface <u>and ground</u> waters and may be exempted from the Basin Plan seasonal and year-round point source discharge prohibition and discharge flow limitation, provided that the following conditions are met:"

- 2. Amend Section 4.1.8 Action Plan For Low Threat Discharges to clarify:
 - "Dredge spoils material dewatering" Change name from "Dredge Spoils" to "Dredge
 Material" and specifically allow bay/ocean dewatering to occur without lining the
 dewatering site in areas that have a tidally influenced brackish groundwater layer over a
 subsurface freshwater layer
- 3. Amend Table 2-1 Beneficial Uses of Waters of the North Coast Region by designating the beneficial use of the groundwater below the Industrial properties on the Samoa Peninsula Industrial (IND), Industrial Process Supply (PRO), and Aquaculture (AQUA).

Historically, some dredge material was beneficially reused around Humboldt Bay and the material was dewatered in the Harbor District's 21 acre Samoa Lagoons upland disposal site that has an active Coastal Development Permit that allows up to 65,000 cubic yards of dredge material to be placed onsite. The site was originally permitted and was used since the 1980s. However, in 2010 NCRWQCB halted the continued use of the site due to NCRWQCB staff concerns that some saline groundwater infiltration will occur during the saltwater dewatering back to Humboldt Bay. This occurred even though dredge spoils dewatering is specifically classified as a "Low Threat Discharge"; there are no drinking water wells on the Samoa Peninsula; there is a tidally influenced brackish layer overlying the freshwater; and dredging is required in order to maintain the Navigation (NAV) Beneficial Uses of Humboldt Bay. This action effectively prevented any beneficial reuse of dredge material in Humboldt Bay and all dredge material has been shipped three miles offshore to HOODS.

Over the last two years, the Harbor District has been working cooperatively with NCRWQCB, Coastal Commission, USACOE staff, and our Sediment Reuse Advisory Committee to come up with alternative strategies and in 2019 "small scale" dredge spoils dewatering was approved by all the permitting agencies at the Harbor District's Fields Landing and Redwood Marine Terminal II properties. This was a huge step forward and we greatly appreciate all the agencies cooperation. However, in order to dewater the 100s of thousands of cubic yards of material that are available and needed to combat sea level rise; restore salt marsh systems and ecosystem function, and for beach and dune replenishment around Humboldt Bay we must approve large scale dewatering projects that do not impact drinking water supplies and already have tidally influenced brackish water overlaying freshwater without requiring acres of plastic lining to be installed every year we use the site.

The Harbor District is implementing a sustainable dredging and sediment management plan, where we remove modest amounts of sediment at regular intervals instead of dredging massive amounts of sediment every ten years. Our plan is to transport tested/clean sediment from the Woodley Island, Eureka Small Boat Basin and other docks and boat ramps around the bay to our centrally located regional sediment management facility on the Samoa Peninsula. We have permitted areas on the peninsula where we could store sediment, but currently we would have to install plastic liners that would cost hundreds of thousands of dollars and create a huge amount of plastic trash. Lining would also create major challenges with regards to rain water management. Also, the Town of Samoa has been ordered by the Coastal Commission to increase the elevation of some of the developable areas

due to climate change and tsunami impact considerations that would give us a place to deposit 100s of thousands of cubic yards of sediment directly to the site if no liner were necessary.

The loss of the pulp mills on the Samoa Peninsula has left the Humboldt Bay Municipal Water District with a surplus of millions of gallons of excess freshwater supply capacity, so all municipal or domestic water needs can be met from this source. There is currently no domestic water use of Samoa Peninsula groundwater, so no one's MUN beneficial uses would be denied. The narrow Samoa Peninsula is comprised of sandy material and is bordered by saltwater on both the Humboldt Bay and Pacific Ocean side and the groundwater underlying it is subject to saltwater intrusion based on tidal fluctuations. With sea level rise, the brackish salt water layer will likely only become more pronounced.

Between sea level rise and crustal deformation, Humboldt Bay is extremely vulnerable to climate change and we need to be able to re-use sediment to rebuild and shore up levees around the bay shore. We also need fill to restore keystone salt marsh ecosystems. While eel grass is thriving in nearly the same foot-print as in 1870, salt marsh has decreased by 95%. Therefore, the Harbor District understands the need for using clean sediment to rebuild areas that have subsided, such as White's Slough in southern Humboldt Bay so that salt marsh can be re-established and to create new living shorelines adjacent to critical shoreline public infrastructure such as the Arcata Wastewater Treatment Plant and Highway 101. Our inability to store sediment on the Samoa Peninsula constrains sediment re-use, which in turn ties our hands in starting climate change response and ecosystem recovery projects.

It is time that we looked at Humboldt Bay sediment not as "dredge spoils" that are undesirable, but as a resource to help us cope with sea level rise and improve ecosystem function. Our objectives and those of the NCRWQCB clearly over-lap as indicated by your Executive Officer's Report to the Board of February 2017. By supporting our work, you will become an essential partner in our quest to improve the health of Humboldt Bay, while maintaining economic vitality and the quality of life for local residents.

We view this as a matter of some urgency at this time, and hope that we can get necessary changes in designations well in advance of the next triennial update of the *Basin Plan* in 2021. If it pleases the Board, our staff could make a presentation at your April 6, 2020 meeting in Eureka. Please call me or Executive Director, Larry Oetker, if you have questions or would like to meet to discuss this further.

Respectfully,

Stephen Kullmann

President, HBHRCD Commission

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 February 27, 2020

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

DATE: February 18, 2020

TITLE: Consider Adopting Resolution 2020-04 Amending the Woodley Island Marina Fee Schedule to

Increase the Dredge Surcharge Fee

STAFF RECOMMENDATION: Staff recommends that the Board: Adopt Resolution 2020-04 which would adopt a \$0.75 cent per linear foot increase along with an automatic annual CPI increase on all slip fees beginning July 1, 2020.

BACKGROUND: On November 14, 2019, after three meetings, the Board established the formation of a subcommittee comprised of Commissioner's Dale and Doss to work with Woodley Island Marina Tenants to review the proposed dredge surcharge and liveaboard fees. At the October 24th Board meeting, Staff had recommended a three-year phase in fee increase of 50 cents per linear foot per year for the next three years.

The 75-cent increase would raise the fee from the current 76 cents to \$1.51 starting July 1, 2020. As an example, a 50 foot slip in FY 2020/21 would see their entire slip fee increased by a total of \$37.50 per month over current levels. The proposed fee increase is projected to raise an additional \$100,000 for a total of \$200,000 annual deposit into the segregated and audited Dredge fund.

DISCUSSION: Staff would like to thank the participants for their dedication to the community and willingness to dig down into the complicated issues surrounding dredging. Three meetings of the subcommittee where held with tenants and some basic assumptions agreed to which are required to analyze how we are going to pay for consistent dredging.

- We have all permits to dredge WIM using the clamshell method with disposal at HOODS for through 2029.
- Approximately 15,000 CY of material accumulates each year.
- Approximately 100,000 CY of material needs to be removed (backlog).
- Clamshell dredging/disposal costs \$25.50 Cubic Yard + Mobilization costs.
- Removing 20,000 CY costs \$620,000.

- Removing 100,000 CY would cost approximately \$2.5 million plus mobilization costs
- It is extremely unlikely that the District will have \$3 +- million anytime in the near future.
- District currently collects approximately \$800,000 per year in total slip and dredge fees:
 - Slip \$640,000
 Transient Slips \$65,000
 Current Dredge Surcharge Fee \$100,000
- Goal to raise approximately \$400,000 per year
 - o 50% from dredge surcharge fees and
 - o 50% from other District revenues.

To meet these objectives a \$0.75 cent per linear foot increase along with an automatic annual CPI increase on all flip fees beginning July 1, 2020 was recommended. The committee also recommended the following:

- Realistic strategy is to allocate funding that allows us to dredge more than accumulates and over time gradually remove "backlog".
 - o Dredge smart and manage marina slips more effectively.
 - Establish goal to increase occupancy rates by 10% thus increasing revenue without raising fees.
 - Promptly remove abandoned and delinquent vessels to make room for paying customers.
 - Have USACOE dredge the Eureka federal channel. Lack of federal maintenance of the channel is significantly impacting sediment accumulation in WIM.
 - o Continue to get permits to utilize suction dredge and Samoa Peninsula disposal.
 - Sell existing dredge if we either can't get permits or determine that it is not the best dredge to meet our dredging needs.
 - Put revenues back in dredge fund

A consensus of those present was to not increase the liveaboard fees at this time.

ATTACHMENTS:

A. Resolution 2020-4 will be available as a supplemental agenda by Monday, February 24th

HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT

Resolution 2020-04

A RESOLUTION AMENDING WOODLEY ISLAND MARINA FEE SCHEDULE DREDGE SURCHARGE FEE

WHEREAS, the Humboldt Bay Harbor, Recreation and Conservation District provides a number of services; and

WHEREAS, by the authority provided in Appendix II of the California Harbors and Navigation Code, Section 35 and codified in Harbor District Ordinance 4, 9, 14 and 16, the Board of Commissioners may set fees for various Harbor District services; and

WHEREAS, the District adopted Standardized fees for Woodley Island Marina through the adoption of Resolution 2019-15 which went into effect on January 1, 2020; and

WHEREAS, during the hearing process for the adoption of the standardized fee schedule the Board deferred action on the proposed increases to the Dredge Surcharge fee until after the fee is reviewed by the Dredge Surcharge Fee Subcommittee; and

WHEREAS, the Dredge Surcharge Fee Subcommittee met twice with tenants of Woodley Island Marina and a consensus was reached among those present.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COMMISSIONERS OF THE HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT, that the Woodley Island Marina fees for services that were adopted through Resolution NO. 2019-15 are hereby amended as follows:

- 1. The Dredge Surcharge fee shall be increased from \$0.76 to \$1.51 per linear foot effective July 1, 2020.
- 2. The Slip Rates for Transient and Permanent Tenants and Float Replacement fees shall be increased annually beginning July 1, 2020 by a percentage equal to the percentage change in the Consumer Price Index published by the United States Bureau of Labor Statistics of the United States Department of Labor for the most recent twelve months available thirty (30) days prior to the beginning of the fiscal year using the index entitled U.S. City Average—All Items and Major Group Figures for All Urban Consumers (1982-84=100), or the nearest comparable data on changes in the cost of living if such index is no longer published. Maintenance Dredge Surcharge shall increase annually by the Consumer Price Index listed above beginning July 1, 2021.

| PASSED AND ADOPTED THIS 27 TH FOLLOWING POLLED VOTE: | DAY OF February 2020, BY THE |
|---|---|
| AYES: | |
| NOES: | |
| ABSENT: | |
| ATTEST: | Stephen Kullmann, President Board of Commissioners |
| Patrick Higgins, 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. 2020-04 entitled,

A RESOLUTION AMENDING WOODLEY ISLAND MARINA FEE SCHEDULE DREDGE SURCHARGE FEE

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 day of 27th day of February 2020; 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 27th day of February 2020.

Patrick Higgins, 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 February 27, 2020

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

DATE: February 14, 2020

TITLE: 1. Consideration of Adoption of Resolution 2020-03 Which Establishes Findings

Relative to the Application by the County of Humboldt for the Pine Hill Road over

Swain Slough Bridge Replacement Project.

2. Consideration of Granting Permit 2020-01 to the County of Humboldt for the Pine

Hill Road over Swain Slough Bridge Replacement Project.

STAFF RECOMMENDATION: Staff recommends the Board:

- 1. Adopt Resolution 2020-03 which establishes findings relative to the application by the County of Humboldt for the Pine Hill Road over Swain Slough Bridge Replacement Project.
- 2. Grant Permit 2020-01 to the County of Humboldt for the Pine Hill Road over Swain Slough Bridge Replacement Project.

BACKGROUND: The County of Humboldt applied for a District permit to replace the bridge where Pine Hill Road crosses Swain Slough. The existing bridge is a 63 ft long, 20 ft wide, three span structure with a concrete deck on timber stringers and concreted abutments that was constructed in 1955. A Caltrans inspection in 2011 determined that the bridge is structurally deficient and functionally obsolete.

The proposed project would replace the existing bridge with a single span, precast concrete I-girder 80 ft long, 30 ft wide bridge. The project also involves (1) widening of the road shoulders at the bridge approaches, and (2) relocation of a water line that is currently attached to the bridge. Directional drilling will be used to place the water line under the slough channel. The project is further described in Harbor District Permit Application 2020-01 (Attachment A).

DISCUSSION: The proposed project is required to improve safety at the slough crossing. The new bridge will have a reduced amount of structure in contact with the slough bottom and bay waters thus reducing flood risk and biological impacts at the site. The project minimizes use of structural shoreline protection consistent with Humboldt Bay Management Policy HSM-6. Additionally, the project will avoid, minimize and mitigate impacts to special status plants and wetlands consistent with Humboldt Bay Management Plan Policy CEP-7. Project impacts, avoidance, minimization and mitigation

measures are further described in the project's Natural Environment Study (available at www.humboldtbay.org or upon request from the District).

The proposed project meets the definition of a California Environmental Quality Act Class 2 Exemption and the County of Humboldt has prepared a Notice of Exemption that has been filed with the County Clerk (Attachment B).

ATTACHMENTS:

- A. District Permit Application 2020-01 for the Pine Hill Road Bridge Replacement Project.
- **B.** California Environmental Quality Act Notice of Exemption for the Pine Hill Road Bridge Replacement Project.

HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT

RESOLUTION NO. 2020-03

A RESOLUTION ESTABLISHING FINDINGS RELATIVE TO THE PERMIT APPLICATION BY THE COUNTY OF HUMBOLDT FOR THE PINE HILL ROAD BRIDGE REPLACEMENT PROJECT, HUMBOLDT BAY, CALIFORNIA

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 Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District has been presented with certain evidence relating to the Pine Hill Road Bridge Replacement Project proposed by the County of Humboldt upon the air, land, environment, and ecology of the land under the jurisdiction of the Humboldt Bay Harbor, Recreation, and Conservation District.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District as follows:

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 County of Humboldt in Application 2020-01 and supplements and amendments thereto:

- 1. The use proposed by the County of Humboldt is necessary to promote the safety, health, comfort, and convenience of the public; and
- 2. The project complies with the California Environmental Quality Act (CEQA) in that it fits the definition of a CEQA Class 2 Categorial Exemption; and
- The proposed use is consistent with the Humboldt Bay Management Plan; with special relevance to policies CAE-2, CAE-3, CAS-4 and CEP-1, CEP-7; and
- 4. The proposed use is required by the public convenience and necessity; and
- 5. The proposed use is reasonably required to promote growth, and to meet area demands, and does not adversely affect the environment or ecology of the area to any substantial degree; and

6. 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 Board of Commissioners of the Humboldt Bay Harbor, Recreation and Conservation District at a duly called meeting held on the 27th day of February 2020, by the following polled vote:

| AYES: | |
|---|---|
| NOES: | |
| ABSENT: | |
| RECUSED: | |
| | Stephen Kullmann, President Board of Commissioners |
| ATTEST: | |
| | |
| Patrick Higgins, 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. 2015-08 entitled.

A RESOLUTION ESTABLISHING FINDINGS RELATIVE TO THE PERMIT APPLICATION BY THE HUMBOLDT BAY NATIONAL WILDLIFE REFUGE FOR THE WHITE SLOUGH TIDAL RESTORATION PROJECT, HUMBOLDT BAY, CALIFORNIA

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 27th day of February 2020; 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 27th day of February 2020.

PATRICK HIGGINS, Secretary Board of Commissioners

HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT

PERMIT

Permit No. 2020-01 601 Startare Drive

Woodley Island Marina

P O Box 1030

Eureka, CA 95502-1030

Permittee:

Humboldt County Public Works Attn: Andrew Bundschuh 1106 2nd Street Eureka, CA 95501 (707) 733-5406

The Board of Commissioners of the **Humboldt Bay Harbor**, **Recreation and Conservation District** hereinafter referred to as "**District**", having considered the Application herein, number 2020-01, received by the **District** on January 3, 2020, and the **County of Humboldt**, hereinafter referred to as "**Permittee**", and the **Permittee** as the lead agency, pursuant to the California Environmental Quality Act of 1970, as amended, establishing findings relative to the Application by **Permittee** for replacement of the Pine Hill Road Bridge provided for in this Permit, the **Permittee** is hereby authorized to perform the work of improvement, as more particularly described in the Application filed with the **District**.

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

Replacement of Pine Hill Road Bridge.

That the location of the proposed activity shall be Pine Hill Road where it crosses Swain Slough at APN # 302-181-008, Humboldt County, California,

SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

 If the **Permittee** materially changes the plan and scope of the activity, it will be necessary to submit a new application and request a revision of the permit.

- 2. That there shall be no unreasonable interference with navigation by the work herein authorized.
- 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.
- 4. 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.
- 5. That the minimization, mitigation and conservation measures described in the Project's Natural Environment Study dated October 2019 will be followed. The conservation measures include:
 - A. Prevention of fish barotrauma.
 - B. Fish rescue and exclusion / in-water avoidance.
 - C. Erosion and sedimentation control.
 - D. Prevention of accidental spills.
 - E. Replacement of lost riparian habitat.
 - F. Prevention of spread of invasive species.
 - G. Air quality / dust control.
 - H. Protection for nesting migratory birds.
- 6. That all work authorized by this Permit shall further be subject to the approval of the following public agencies:
 - A. U.S. Army Corps of Engineers
 - B. California Department of Fish and Wildlife
 - C. North Coast Regional Water Quality Control Board
 - D. California Coastal Commission

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

- 7. 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.
- 8. That neither the **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 work authorized by this Permit, and the **Permittee** shall indemnify and hold harmless the **District**, its Commissioners and officers free and harmless from any liability for any such injury, death or damage.

- 9. 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.
- 10. 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.
- 11. That this Permit is valid as of the 28th day of February 2020 and is made subject to the **Permittee** approving and agreeing to the conditions above set forth and executing said approval as hereinafter provided.

EXECUTED on this 27th day of February 2020, by authority of the Board of Commissioners of the **Humboldt Bay Harbor**, **Recreation and Conservation District**.

Stephen Kullmann, President Board of Commissioners Humboldt Bay Harbor, Recreation and Conservation District

County of Humboldt, 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.

County of Humboldt, 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: | |
|--------|---|
| | Andrew Bundschuh |
| | Environmental Permitting and Compliance Manager |
| | County of Humboldt |

Agenda Item 10c. Attachment A



HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT



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

PERMIT APPLICATION

Application Type:

Franchise Permit

| Date Filed | | |
|--|-------|-----------------|
| General Information | For [| District Use |
| Name, Address, phone # and email of Developer, Project Sponsor and Legal Owner | A. | Application No. |

| | Lease | | |
|--|---|--|--|
| 2.) Address of Project and Assessor's block, lot and Parcel Number | B. Date Received by Harbor District | | |
| | C. Date Accepted for filing by Commission | | |
| 3.) Contact person Name, Address, phone # | D. Date of Public Notice | | |
| | E. Date of Environmental Compliance | | |
| | F. Date of Public Notice | | |
| | G. Date of Public Hearings | | |
| 4.) Attach list of names and addresses of all | | | |
| adjoining property owners | H. Date of Commission Action | | |
| 5.) List and describe any other related Project Permits & Other Public Approvals required, including those required by City, Regional, State & Federal Agencies. | Approval: Conditional Disapproval | | |
| | I. Expiration Date | | |
| 6.) Existing City/County Zoning | Comments | | |
| 7.) Proposed Site Use (Project Title) | | | |
| | | | |

Describe proposed project

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? | | |
| 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? | | |
| k) | Will construction require the use of turbidity curtains in proximity to eelgrass habitat? | | |
| l) | Will project construction result in temporary shading from moored/anchored working vessel(s)? | | |

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 <u>Felgrass Management Plan webpage</u> 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
- 9. Square Footage
- 10. Number of floors of construction
- 11. Amount of off-street parking provided
- 12. Attach plans
- 13. Proposed scheduling
- 14. Associated projects
- 15. Anticipated incremental development
- 16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected.
- 17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities
- 18. If industrial, indicate type, estimated per shift employment & loading facilities.
- 19. If institutional, indicate the major function, estimated per shift employment, occupancy, loading facilities, and community benefits derived from the project.
- 20. If the project involves a variance, conditional use or recognizing application, state this and indicate clearly why the application is required.

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.
- 22. Change in scenic views or vistas from existing residential areas or public lands or roads.
- 23. Change in pattern, scale or character of general area of project.
- 24. Significant amounts of solid waste or litter.
- 25. Change in dust, ash, smoke, fumes or odors in vicinity.
- 26. Change in ocean, bay, lake, stream or ground water quality or quantity, or alteration of existing drainage patterns.
- 27. Substantial change in existing noise or vibration levels in the vicinity.
 - A. During Construction
 - B. During Project Utilization
- 28. Site on filled land or on slope of 10% or more.

- 29. Use of disposal or potentially hazardous materials, such as toxic substances, flammable or explosives.
- 30. Substantial change in municipal services demand (police, fire, water, sewage, etc.)
- 31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).
- 32. Relationship to larger project or series of projects

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.
- 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, set-back, rear yard, etc.) Attach photographs of the vicinity. Photos accepted.
- ------ Questions 35; and 36 MUST BE ANSWERED! _------
 - 35. How will the proposed use or activity <u>promote</u> the public health, safety, comfort, and convenience?
 - 36. How is the requested grant, permit, franchise, lease, right, or privilege required by the public convenience and necessity?

- 37. Financial statement:
 - A. Estimated project cost.
 - B. How will the project be financed?
- 38. Describe fully directions necessary to arrive at project site.
- 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

| | _ | |
|---|----------|---|
| N | <i>,</i> | - |
| v | | |
| | | |

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.

<u>CERTIFICATION:</u> 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: | | |
|--------|-----|--|
| - | , | |
| | For | |

of HUMAN OF BUTTON OF HUMAN OF BUTTON OF HUMAN OF BUTTON OF THE RESTRICTION OF THE RESTRI

COUNTY OF HUMBOLDT

DEPARTMENT OF PUBLIC WORKS ENVIRONMENTAL SERVICES DIVISION

1106 SECOND STREET EUREKA, CA 95501-0579 707.445.7741 / FAX 445.7409

Answers to Questions for Harbor District Permit

Project Name: Pine Hill Road at Swain Slough Bridge Replacement Project

Applicant: Humboldt County Department of Public Works

Date: January 2, 2020

Question No.

Humboldt County Public Works
 1106 2nd Street
 Eureka, CA 95501
 (707) 445-7741

- 2. The bridge project on Pine Hill Road runs through APN # 302-181-008
- 3. Andrew Bundschuh
 Environmental Permitting and Compliance Manager
 1106 2nd Street
 Eureka, CA 95501
 707-445-7741
 abundschuh@co.humboldt.ca.us
- 4. List of names and addresses of all adjoining property owners:

APN 302-181-008; Robert Prior (TR), PO Box 23, Eureka, CA 95502 APN 302-151-019; Andrew Chamberlain, 1701 Obispo Ave, Long Beach, CA 90804 APN 302-151-020; Lou and Elizabeth Jacobson, 979 Pine Hill Road, Eureka, CA 95503 APN 302-161-003; Northcoast Regional Land Trust, PO Box 398, Bayside, CA 95524

5. Other Permits:

NMFS/USFWS - Biological Opinions CDFW - 1602 Permit RWQCB - 401 Certification Army Corps - 404 Nationwide Permit

6. Bridge project is on existing county/public roadway. County right-of-way.

- 7. Pine Hill Road Bridge over Swain Slough Bridge Replacement Project
 - 8. <u>Site Size</u>: The area of impact includes the roadway, the bridge and a small portion of the adjoining property for wetland/seasonal ditch re/creation. The county plans to improve 400 feet of roadway on each side of the bridge as well as replace the bridge. Dimensions would be roughly 1000 feet long by 50 feet wide. Please see attached maps depicting the total area of the project including right-of-way and temporary construction easement needs. Estimated area of project is 50,000 sq. ft.
 - 9. As explained above, the estimated size is roughly 1000 feet long by 50 feet wide for a total area of ~50,000 sf. However, much of the work will occur in the roadway and not extend out into Swain Slough or Martin Slough. Therefore, the above area is over-exaggerated.
 - 10. N/A
 - 11. N/A
 - 12. Attached
 - 13. A construction schedule will not be known until the contract is awarded. However, the plan is to have HCSD replace the water line in April/May of 2020 and then construction activities related to the bridge replacement will occur in May/June and be completed by November 2020.
 - 14. Replacement of the bridge will require HCSD to relocate a water line that is currently attached to the bridge. HCSD is planning on directional drilling the new water line underneath the slough channel with the entrance and exit points along the roadway. See attached plans.
 - 15. N/A
 - 16. N/A
 - 17. N/A
 - 18. N/A
 - 19. N/A
 - 20. N/A

Yes/No Questions

- 21. No
- 22. No; the bridge replacement project will not have a change in scenic views from existing properties, lands or roads. The bridge will be slightly wider and longer than the existing bridge, but this is being done to bring it to standards.
- 23. No
- 24. No; There will be wastes/debris disposal from the project, but all wastes will be disposed of in an approved upland facility.
- 25. No
- 26. Yes; the longer bridge will have a benefit to Swain Slough by widening the channel and thus reducing tidal flooding. The project will also remove existing concrete bridge columns and debris from the channel. The project will also replace two storm drain culverts that will help in existing drainage of stormwater runoff.

27.

a. During construction there will a period of time with changes in noise levels. During the demolition of the old bridge, use of heavy equipment, and pile driving activities associated with the new piles for the abutments.

- b. Once the new bridge is in place, there will be no increases in use or noise.
- 28. No
- 29. No
- 30. No; as stated earlier, HCSD will be replacing the existing water line with a larger water line using directional drilling. There will be a short period of lapse of service, but the end result will be a larger water line with better service.
- 31. No
- 32. No

Environmental Setting

- 33. This bridge replacement project is being funded through FHWA Highway Bridge Program and administered through Caltrans Local Assistance. Complete compliance with NEPA and CEQA were done, including studies and reports relating to cultural resources, sensitive plants and animals, etc. The project was determined to have no significant impact on resources and/or the environment. There will be no significant change in the project site from pre- to post-construction. Pine Hill Road bisects agricultural lands and Due to the need to widen the approaches and new bridge, the county has acquired a small strip of property on each side (north/south) of the project in order to recreate roadside ditches. The new ditches will be wider and will help with the overall drainage of the area.
- 34. As mentioned above, the surrounding land is mostly agricultural/grazing lands. There are a few residential properties on the east side of the bridge. The best way to get an idea of this rural area is via Google Earth and/or County WebGIS. Lat: 40.752553°, -124.182592°.
- 35. The existing bridge is structurally deficient and does not meet current standards. Replacing the bridge with one that is wider and to current standards will promote public safety as well as provide pedestrians a safe route across the bridge.
- 36. The requested permit is required as State Lands has deferred jurisdiction to the Harbor District. 37.
 - a. The estimated construction costs of the bridge replacement project is 2.4 million dollars.
 - b. The bridge is 100% funded through federal highway's (FHWA) Highway Bridge Program (HBP). This bridge has been programmed for replacement since 2012.
- 38. The bridge site is located on Pine Hill Road at Post Mile 0.20. It is accessed off of Elk River Road just south of Herrick Ave.
- 39. Agreed.
 - a. The County of Humboldt is the lead agency for CEQA and a Notice of Exemption was posted with the county clerk's office in 2016.



| BAR IS ONE INCH ON ORIGINAL DRAWING |
|--|
| IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY |

| ROAD NAME: PINE HILL ROAD | |
|--|---|
| ROAD NO.: 3J430 | MILE POST: 0.19 |
| PROJECT NO.: BRLO-5904(112) | EA NO.: |
| CONTRACT NO.: 594020 | PPNO.: |
| ORAWING FILE NAME: S:\Client\Humboldt\H0 | 7-300 Pine Hill\CAD\Roadway\H07300rR W M ap.dg |
| PLOT DATE: 55-221-22065 | REVISON DATE: 5-21-2015 |

DESIGNED BY: KP
DRAWN BY: KP
dgn REVIEWED BY: JJ
APPROVED BY: RF

QUINCY ENGINEERING

PINE HILL ROAD BRIDGE OVER SWAIN SLOUGH
RIGHT OF WAY NEEDS

SHEET

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS

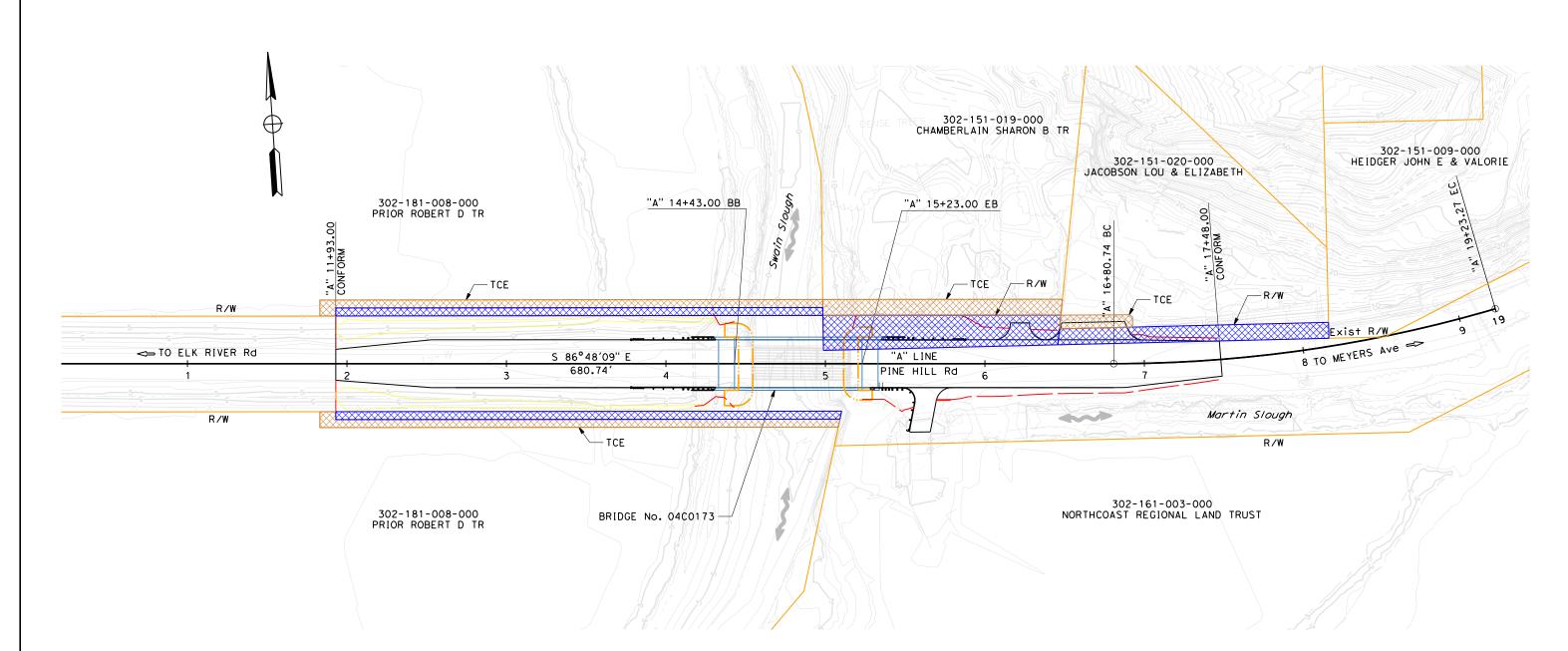
LEGEND:



TEMPORARY CONSTRUCTION EASEMENT



PERMANENT ROADWAY EASEMENT



| APN | OWNER | TOTAL PARCEL | PERMANENT ROADWAY EASEMENT | TEMPORARY CONSTRUCTION EASEMENT | REMAINDER |
|-----------------|--------------------------|--------------|----------------------------------|---------------------------------------|-----------|
| | | SF | SF | SF | SF |
| 302-181-008-000 | PRIOR ROBERT D TR | 914,760 | 3,110 | 3,310 | 911,650 |
| 302-151-019-000 | CHAMBERLAIN SHARON B TR | 110,642 | 2,995 | 1,500 | 107,647 |
| 302-151-020-000 | JACOBSON LOU & ELIZABETH | 20,909 | 1,695 | 370 | 19,214 |

RIGHT OF WAY NEEDS

SCALE: 1"=30'

RW-1

Project Report

Swain Slough Bridge on Pine Hill Road

Federal Project No. BRLO-5904 (112) Existing Bridge No. 04C0173 New Bridge No. 04C0260



Prepared For:
County of Humboldt
Department of Public Works



Prepared By:



October 2019

developing YOUR vision

delivering YOUR project

Prepared by:



Jason P. Jurrens, P.E.
Project Engineer
Quincy Engineering, Inc.

Submitted by

(916) 368-9181

James Foster, P.E. Project Manager

Quincy Engineering, Inc.

Telephone

Approved by

Tony Seghetti, P.E.

County of Humboldt

Department of Public Works

Date

Date

Telephone

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Manning Creek Bridge at Mathews Road (Bridge Replacement)

Draft Type Selection Report July 2012

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VICINITY MAP

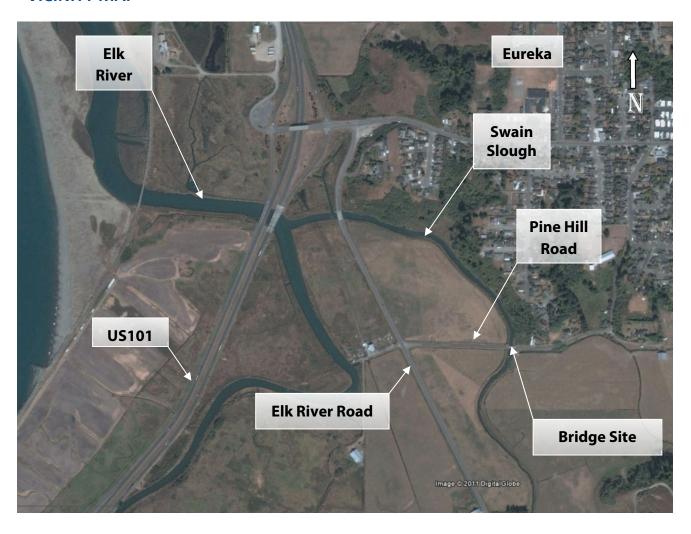


Photo 1 – Aerial View of Project Site (From Google Earth)



EXECUTIVE SUMMARY

Humboldt County Department of Public Works is proposing to replace the Swain Slough Bridge (Bridge No. 04C-0173) at Pine Hill Road. The existing bridge is located just south of Eureka on Pine Hill Road (a local rural two-lane road) approximately 0.2 miles east of Elk River Road. Pine Hill Road provides the access across Swain Slough for local residences to Elk River Road.

The purpose of this project is to improve public safety by providing a safe and permanent solution for traffic to cross Swain Slough. This will be accomplished by replacing the existing structurally deficient, three-span timber-stringer bridge with a new single-span concrete structure. The existing bridge has been in service since 1955 and is currently classified as structurally deficient. Due to poor sufficiency rating, the existing bridge qualifies for Federal funding.

Pine Hill Road is classified as a Local Road which qualifies for 100% reimbursement of the bridge replacement cost from federal aid. Other costs of the rehabilitation project such as preliminary engineering, right-of-way, and others are funded by the Federal Highway Bridge Program (HBP) which will provide approximately 100% of the total project cost.

This project is currently scheduled to begin construction of the new bridge in spring of 2020. Traffic will be detoured 1.6 miles during construction while the new bridge is constructed on the existing roadway alignment. Full closure of Pine Hill Road at the location of the bridge is anticipated for construction, which allows the use of the paved approach roadways to be used as construction staging area. This allows minimal construction footprints reducing environmental impacts to Swain Slough. Traffic will then be permanently shifted onto the new structure once construction is completed.

The existing facility consists of a three-span simply supported timber-stringer structure, with concrete deck and curbs. According to the latest Bridge Inspection Report (BIR), the bridge length is approximately 63' long with three equal length spans of approximately 21' and the bridge width is approximately 20'. The substructure consists of reinforced concrete abutments and reinforced concrete bent cap on pile extensions. The BIR also notes the deteriorating condition of the bridge; with 11 out of the 20 timber bridge railing posts as well as the top 1" of the north exterior girder showing signs of rot and moderate to severe vertical cracking on concrete piles extensions. The existing facility has been designated as structurally deficient with a 2017 sufficiency rating of 42.6 and a superstructure rating of 4.

This project will improve public safety by replacing this structurally deficient bridge. It will also improve traffic operations by widening the bridge to provide 10' lanes and 5' shoulders in each direction and replace all traffic safety features to meet current standards. Rehabilitation and widening of the existing bridge is cost prohibitive and not considered feasible.

Replacing the bridge on the existing alignment was chosen due to the lowest construction cost, least environmental impacts, speed of construction, and least new right-of-way needs. With the detour only being approximately 1.6 miles, the most practical and cost-effective roadway alignment was to close Pine Hill Road for one construction season and replace the bridge on its existing alignment.



There were two bridge types considered for this project location:

- The Single-Span Precast Wide-Flange Concrete Girder bridge is recommended as it will not require falsework to construct and will eliminate the need for any piers within the limits of the Slough. This alternative will reduce construction time due to wide flange girders precast off project location and available for erection immediately. Precast manufacturer has confirmed the viability of shipping this length of girders to project site. In addition, this alternative lends to a structure depth that will conform to the proposed roadway profile and will not encroach on the channel hydraulic highwater surface elevation. Furthermore, this alternative will decrease the environmental impacts on an environmentally sensitive area. Based on constructability, functionality, economic considerations and local boundary conditions, a single span precast- prestressed concrete girder is a viable structure alternative for this project.
- A Single-Span Cast in Place Post-Tensioned Box Girder bridge was also considered for this
 project because it can provide the same minimum structure depth to adhere to the
 hydraulic requirements without raising the proposed profile. Similar to the preferred
 precast alternative, this option is also single span and would preclude the need for piers
 within the slough. However, the cast in place construction would require falsework which
 will most likely require driven piles during construction which will further disturb the
 environmentally sensitive slough. A bridge General Plan for this option is included in
 Appendix G for further reference.

Based on the information contained in this project report, the project development team recommends replacing the bridge on existing alignment utilizing a Single-Span Precast Prestressed Reinforced Concrete Wide Flange Girder bridge. This alternative meets the project goals, reduces construction schedule duration, is cost competitive, and minimizes temporary and permanent environmental and right-of-way impacts from the project.

The project costs for constructing the recommended structure type/alignment is summarized as follows:

| Project Construction Cost | |
|---------------------------|-------------|
| Structure Construction | \$1,206,000 |
| Bridge Removal | \$50,4000 |
| Slope Protection | \$25,000 |
| Channel Work | \$40,000 |
| Detour | \$10,000 |
| Approach Roadway | \$499,000 |
| Mobilization | \$183,000 |
| Total | \$2,013,000 |



| Project Costs | | |
|---------------|-------------|--|
| PE | \$500,000 | |
| CON | \$2,000,000 | |
| CE | \$300,000 | |
| CONT | \$500,000 | |
| RW | \$50,000 | |
| TOTAL | \$3,350,000 | |

The project development schedule is summarized as follows:

| Project Milestone | Proposed Delivery Date |
|---------------------------------------|--------------------------|
| Environmental Document Approval | July 2016 |
| Plans, Specifications & Estimate | January 2020 |
| Project Permits Secured | December 2019 |
| Utility Coordination and Right-of-Way | December 2019 |
| Advertise Project | March 2020 |
| Award Contract | May 2020 |
| Project Construction | June 2020 – October 2020 |

The project team recommends approval of the project report and continuing the project to develop the final PS&E package leading to construction of a replacement bridge.

INTRODUCTION

Humboldt County Department of Public Works is proposing to replace the Swain Slough Bridge (Bridge No. 04C-0173) at Pine Hill Road. The existing bridge is located just south of Eureka on Pine Hill Road (a local rural two-lane road) approximately 0.2 miles east of Elk River Road. Pine Hill Road provides the access across Swain Slough for local residences to Elk River Road.

The purpose of this project is to improve public safety by providing a safe and permanent solution for traffic to cross Swain Slough. This will be accomplished by replacing the existing structurally deficient, three-span timber-stringer bridge with a new single span concrete structure. The existing bridge has been in service since 1955 and is currently classified as structurally deficient. Due to poor sufficiency rating, the existing bridge qualifies for Federal funding.

Pine Hill Road is classified as a Local Road which qualifies for 100% reimbursement of the bridge replacement cost from federal aid. Other cost of the rehabilitation project such as preliminary engineering, right-of-way, and others are funded by the Federal Highway Bridge Program (HBP) which will provide approximately 100% of the total project cost.

This project is currently scheduled to begin construction of the new bridge in spring of 2020. Traffic will be detoured 1.6 miles during construction while the new bridge is constructed on



the existing roadway alignment. Full closure of Pine Hill Road at the location of the bridge is anticipated for construction, which allows the use of the paved approach roadways to be used as construction staging area. This allows minimal construction footprints reducing environmental impacts to Swain Slough. Traffic will then be permanently shifted onto the new structure once construction is completed.

EXISTING FACILITY

The existing facility consists of a three-span simply-supported timber-stringer structure, with concrete deck and curbs. According to the latest Bridge Inspection Report (BIR), the bridge

length is approximately 63' long with three equal length spans of approximately 21' and the bridge width is approximately 20'. The substructure consists of reinforced concrete abutments and reinforced concrete bent cap on pile extensions. The BIR also notes the deteriorating condition of the bridge; with 11 out of the 20 timber bridge railing posts as well as the top 1" of the north exterior girder showing signs of rot and moderate to severe vertical cracking on concrete piles extensions, as shown in Figure 1. The existing facility has been designated as structurally deficient with a 2017 sufficiency rating of 42.6 and a superstructure rating of 4.



Figure 1: Vertical Cracking on Piles

DESIGN CRITERIA

All alternatives must meet the following criteria:

Roadway Design

Roadway design will be based on "AASHTO Policy on Geometric Design of Highways and Streets 2011, 6th Edition Green Book" along with County standards where appropriate.

Bridge Design

Final bridge design will be performed in accordance with "AASHTO LRFD Bridge Design Specifications, Sixth Edition, and the Caltrans Amendments preface dated November 2011". The latest updated versions of Caltrans bridge design manuals will also be utilized when applicable.

Seismic Design

Seismic design will be performed in accordance with the Caltrans "Seismic Design Criteria Version 1.6 November 2010" and the latest information available from Caltrans Earthquake Research.

Hydraulic Analysis

The *Caltrans "Local Assistance Procedures Manual"* requires that the bridge soffit be 2' above the 50-year flood elevation and that the bridge be capable of conveying the 100-year flood or the flood of record.



ROADWAY ALTERNATIVES

Replacing the bridge on the existing alignment was chosen due to the lowest construction cost, least environmental impacts, speed of construction, and least new right-of-way needs. With the detour only being approximately 1.6 miles, the most practical and cost-effective roadway alignment was to close Pine Hill Road for one construction season and replace the bridge on its existing alignment. Building the



Figure 2: Looking East & West on Pine Hill Road

new bridge either upstream or downstream of the existing bridge, or staging the new bridge construction to keep the existing bridge open during construction would result in significantly more impacts to the channel, wetlands, and farmlands.

The existing roadway has 10' traffic lanes with minimal shoulders. The 2009 traffic counts recorded an Average Daily Traffic (ADT) of 341 vehicles per day, which increases to 582 vehicles per day in 2036 at a 2% per year increase. The proposed road and bridge cross section will consist of 10' lanes, 5' shoulders, 2' choker, and 2' for barrier railing for a total width of 34'. This is 14' wider than the existing 20' wide structure. 1.5:1 side slopes will be utilized to further reduce impacts to the adjacent wetlands and farmlands. This configuration is in conformance with AASHTO's *Guidelines for Geometric Design of Highways and Streets* and the 2012 *Humboldt County General Plan*. This 30' clear width meets the minimum design standard when considering functional classification, design speed, and terrain for the project location.

The roadway classification for Pine Hill Road is a local rural road in flat terrain. Given the context of the existing roadway within the project limits and the need to raise the vertical profile for hydraulic concerns, a 35-mph proposed design speed is appropriate. This speed satisfies AASHTO standards Exhibit 5-1 for local roads and satisfies AASHTO's *Policy on Geometric Design of Highways and Streets* guidelines.

The general alignment of Pine Hill Road through the project site is an east-west direction. There are no significant obstacles or small radius curves to reduce the stopping sight distance. This allows for the bridge to be constructed on the existing alignment with no skew.

The existing profile along the bridge deck must be raised approximately 3' vertically to meet the slough hydraulic and tidal change requirements. The minimum soffit elevation is required to be at or above the King Tide elevation of 8.5', per WRECO's hydraulics evaluations. In order to accomplish vertical change and stay within the AASHTO guidance for profile grade and vertical curves that meet the 35-mph design speed, the proposed roadway profile uses a 120' long sag curve leading into a 180' long crest curve and ending with a 160' long sag curve.



Levees are located at the southeast, northwest, and southwest corners of the existing bridge. These levees are maintained by the property owners and the project will not be making improvements to the levees. A minimal amount of conforming at the levees to accommodate the raising of the bridge grade is anticipated.

Approach Guardrail

The existing bridge has no approach guard railings or attached end treatments. This bridge replacement project will significantly improve the roadway approach features by protecting each corner of the new bridge with a conventional end treatment system.

STRUCTURE ALTERNATIVES

Single-Span Precast Prestressed Reinforced Concrete Wide-Flange Girder

The single-span precast wide-flange concrete girder bridge is recommended as it will not require falsework to construct and will eliminate the need for any piers within the limits of the slough. This alternative will reduce construction time due to wide flange girders precast off-project location and available for erection immediately. The precast manufacturer has confirmed the viability of shipping this length of girders to project site. In addition, this alternative lends to a structure depth that will conform to the proposed roadway profile and will not encroach on the channel hydraulic highwater surface elevation. Furthermore, this alternative will decrease the environmental impacts on an environmentally sensitive area. Based on constructability, functionality, economic considerations and local boundary conditions, a single-span precast prestressed concrete girder is a viable structure alternative for this project.

Rejected Structure Alternative

A single-span cast in place post-tensioned concrete box girder bridge was also considered for this project because it can provide the same minimum structure depth to adhere to the hydraulic requirements without raising the proposed profile. Similar to the preferred precast alternative, this option is also single-span and would preclude the need for piers within the slough. However, the cast in place construction would require falsework which will most likely require driven piles during construction which will further disturb the environmentally sensitive slough. A bridge General Plan for this option is included in Appendix G for further reference.

Based on the information contained in this project report, the project development team recommends replacing the bridge on existing alignment utilizing a single-span precast prestressed reinforced concrete wide flange girder bridge. This alternative meets the project goals, reduces construction schedule duration, is cost competitive, and minimizes temporary and permanent environmental, and right-of-way impacts from the project.

A permanent sheet piling system will be constructed around the new bridge footing which will eliminate the need for Rock Slope Protection (RSP) to protect the abutment. The width between the abutments of the existing bridge is approximately 58.5'. The width between the sheet piling is 65.5' for an overall channel widening of 7.0'. The channel will be widened 1.7' on the easterly bank and 5.3' on the westerly bank. All existing RSP will be removed from the channel.



Bridge Railing

With the proposed 35 mph design speed along Pine Hill Road, metal bridge railing is proposed instead of conventional concrete barriers which are more commonly associated with higher speed conditions. Concrete Bridge Railing (Type 85 Modification) will be mounted on top of the bridge edge of deck. To accommodate the thickness of the metal rail elements and still maintain a 30' clear width, the overall proposed structure width will be 34' - 0''.

DESIGN EXCEPTIONS

A single design exception for hydraulic freeboard will be required. The basic rule for hydraulic design of bridges is that they should be designed to pass the two percent (2%) probability flood or tide (Q50) or the flood-of-record, whichever is greater without causing objectionable backwater, excessive flow velocities, or encroaching on through traffic lanes. Sufficient freeboard, the vertical clearance between the lowest structural member, and the water surface elevation of the design flood should be provided. A minimum freeboard of 2' is often assumed for preliminary bridge design. An evaluation should be performed to determine, if horizontal and vertical driftway requirements warrant a modified freeboard. The freeboard for controlled flow waterways, such as irrigation canals, shall be required by the regulatory agency having jurisdiction.

- The final design should be able to convey the base flood, Q100.
- The base flood (Q100) or overtopping flood, whichever is greater shall be used to
 evaluate the costs, risks and impacts associated with encroachments on the 100-year
 base flood plain.
- Construction projects in areas vulnerable to Sea Level Rise to begin planning for potential impacts by considering a range of SLR scenarios for the years 2050 and 2100

The non-standard design element is hydraulic clearance. The bridge deck has been designed to remain dry during the 100-year flow. Swain Slough, Martin Slough, and Elk River all become one large backwater during high flow events. This backwater is made worse during a high flow coupled with a Humboldt Bay high tide. Conveyance under the bridge is not a factor as each of these waterways go out of bank during the high flows. The bridge as designed does not cause objectionable backwater and does not provide freeboard due to drift.

The approach roadways leading to the bridge become inundated during the high flows. The bridge is not accessible from the adjacent County roads during flood events and the County has no plans to improve the approach roadways to meet standard flood elevation.

The bridge has been designed to accommodate a future raise if Sea Level Rise becomes an issue in the future. The footing has been sized for a taller bridge and jacking points have been detailed to facilitate raising this single span bridge.

DRAINAGE

Existing drainage patterns will generally be preserved. Drainage along the northeastern side of Pine Hill Road generally flows to the northeast corner of the bridge and into Swain Slough. An existing ditch will be re-graded with a new pipe and energy dissipating device added to enhance this system. The drainage patterns at the southeast corner of the bridge will not change as it



currently sheet flows off the roadway and into Martin Slough. The existing pipe beneath the westerly approach will be replaced with a new 18" pipe which will maintain the existing drainage patterns. Water flows into the southwest field through a breech in the levee and flows towards the bridge. A portion of the flow crosses into the northwest field via the existing pipe, and a portion overtops the road at the midpoint between the Swain Slough Bridge and Elk River Road. The water then flows to a depressed area along the northwest levee before re-entering Swain Slough midway between the Swain Slough Bridge and the Elk River Road Bridge. The construction of the Swain Slough Bridge will not alter these preexisting drainage patterns.

TRAFFIC CONTROL/DETOUR

The County has indicated that it will be acceptable to close the existing roadway and detour traffic during construction of the replacement bridge and the approach roadway. Detour to Meyers Avenue, just northeast of the facility, may be used by local residence living near the existing facility during construction.

CONSTRUCTION METHODS AND CONTRACTOR ACCESS

It is anticipated that excavators, dozers, cranes, dump trucks, concrete trucks, concrete pumps, pile driving hammers, and pile drilling equipment may be required to remove the existing bridge and construct the new bridge. Construction is anticipated to be completely within one construction season. With a full road closure in place, contractor will have access to the project site from both embankments. The Contractor will use the approach roadways as the staging area which will reduce the environmental impacts to the project area. No staging of equipment will occur in the wetland or agricultural areas.

Some dewatering of the sheetpile cofferdam will be required. The contractor will utilize temporary tanks that will be staged on the existing asphalt roadway approaches. The water that is collected will be disposed of offsite.

Settlement due to embankment construction is anticipated. The contractor will add approximately 1' of additional fill to the each of the approaches along with a settlement monitoring system to determine the quantity and duration of settlement. Once the settlement has occurred, the additional fill will be removed.

Removal of the concrete bridge piers will be accomplished at a very low tide by excavating around each pier, pulling each pier over with an excavator, breaking it off below the mud line, and removing them from the slough channel. No concussive hammering of the existing concrete piers during demolition is required. The excavated pier pits will be backfilled with the sediment removed or with clean gravel after demolition. Installing sheet piling around the piers to contain sediment was investigated but was discarded as this will cause more disturbance to the channel than the described method.

In-channel work is limited and will consist of removal of the existing columns, removal of trash and debris from the channel, and the removal of sediment from in front of the sheet piling. All in-channel work will be performed at low tide with minimal flow in Swain Slough. There is no work and/or impacts to Martin Slough.

Work is anticipated to occur during daylight hours.



RIGHT-OF-WAY

The project site is located adjacent to four parcels that have several owners. Right-of-way will be required from three of the four parcels and will include Temporary Construction Easements (TCEs) and Permanent Roadway Easements (PREs). The following table details the APN, Owners, and needed R/W types:

| APN | OWNER | R/W Type |
|-----------------|--------------------------|----------|
| 302-181-008-000 | PRIOR ROBERT D TR | PRE, TCE |
| 302-151-019-000 | CHAMBERLAIN ANDREW SUCTR | PRE, TCE |
| 302-151-020-000 | JACOBSON LOU & ELIZABETH | TCE |

UTILITIES

The Humboldt Community Services District (HCSD) owns and operates a 12" water line that is connected to the north side of the existing Swain Slough Bridge. This water line serves the Humboldt Hill area. HCSD requires this water line remain in service due to the lack of a redundant loop facility within their system.

HCSD will be relocating this waterline using Horizontal Directional Drilling (HDD) that will occur before the construction of the new bridge. The alignment of the new water line has been coordinated with the design of the new bridge and



Figure 3: Existing Water Line

will not be in conflict once it has been relocated. HCSD will include BMPs in the project and will provide details of the process to address the Coastal Commission concerns including "frac-out".

ENVIRONMENTAL/PERMITS

The replacement of the Swain Slough Bridge will require both CEQA and NEPA clearances. As the delegated Federal Highway Administration lead agency due to the use of federal funds, Caltrans has determined that the project is a NEPA Categorical Exclusion under 23 CFR 771.117(d): activity (d)(13). Humboldt County as the CEQA lead agency has determined that this project fits the definition of a Class 2 Categorical Exemption (CEQA Guidelines, Section 15302) as it involves the replacement of an existing public facility on the same site with the same purpose and capacity as the structure being replaced. Furthermore, this project has been analyzed under both CEQA and NEPA and it has been determined that the project, as designed, will not adversely impact air quality, water quality, historical or cultural resource, or any other environmental area. The project will improve vehicular/pedestrian/bicyclist safety and reduce the potential of accidents and injuries. This project fits within the definition of the Class 2 Categorical Exemption as set forth in CEQA Guidelines, Section 15302. Additionally, Humboldt County has determined that none of the exceptions to the Categorical Exemptions set forth in CEQA Guidelines, Section 15300.2, apply. As such, Humboldt County has concluded that this Categorical Exemption applies to this project.



The technical studies to support these determinations include:

Cultural Resources

An Archaeological Study Report (ASR) and Historic Property Study Report (HPSR) were prepared in January of 2013 and it was determined that there are no cultural or historical resources within the project area, therefore there will be No Historic Properties Affected by the project.

Biological Resources

A Biological Assessment/Essential Fish Habitat Assessment (BA/EFHA) was submitted to the National Marine Fisheries Service (NMFS) to address potential impacts to federally listed fish species. NMFS completed the Section 7 consultation and issued a Biological Opinion on September 25, 2015 which concluded that the project is likely to adversely affect Northern California DPS steelhead, SON CC ESU coho salmon, and California Coastal ESU Chinook salmon, but is not likely to jeopardize the species. NMFS also concluded the project is likely to result in an adverse effect to critical habitat for the Coastal SON CC ESU coho salmon, California ESU Chinook salmon ESU, and the Northern California DPS steelhead. The project is not likely to destroy or adversely modify critical habitat. In the Biological Opinion (BO), the National Marine Fisheries Service determined that incidental take would occur to all three salmonid species in the form of capture during fish relocation and by exposure to lethal noise levels resulting from pile driving. NMFS expects no more than one juvenile of each species to be injured and no more than two juveniles of each species will be killed as a result of constructing the project. NMFS also concluded that the project would adversely affect Essential Fish Habitat for Pacific salmon species. While the proposed action contains measures to minimize adverse effects to EFH, NMFS provided additional conservation measures to further offset the adverse effects.

The BA/EFHA was also submitted to the U.S. Fish and Wildlife Service (USFWS) to address potential impacts to the federally listed tidewater goby. The USFWS completed the Section 7 consultation and issued a Biological Opinion on September 24, 2015 which concluded that the project is likely to adversely affect the species but is not likely to jeopardize the species. They also concluded the project action area is not located within designated critical habitat for the species. In the BO, USFWS determined that incidental take would occur to tidewater goby in the form of capture during fish relocation and/or during dewatering activities. The USFWS expects no more than five adult gobies to be injured or killed as a result of constructing the Project. Conservation measures to reduce impacts to salmonids and gobies will be followed and are included in the attached Environmental Commitment Record (ECR).

A Natural Environment Study was prepared in October 2014 and included a wetland delineation. The delineation found that U.S. jurisdictional waters and three-parameter wetlands occupy 0.989 acres of the BSA. State jurisdictional waters and two- and one-parameter coastal wetlands occupy 1.165 acres of the BSA. The project design minimized impacts on wetlands to the extent practicable. All other design considerations would have a greater impact on wetlands. Since the project design with the least impact on wetlands was selected, the project is in compliance with the Wetlands Only Practicable Finding Alternative. Minimization measures to reduce impacts on wetlands and waters are included in the ECR. A Wetlands Mitigation and Monitoring Plan shall be prepared and provided to the U.S. Army Corps of Engineers, North Coast RWQCB, California Coastal Commission, and the CDFW for review and approval.



Farmlands

The project will have no permanent impact on prime or unique farmland. Temporary impacts on non-prime agricultural land will be less than significant.

Floodplain

The project will not result in any longitudinal or significant encroachment on the 100-year flood plain.

Other Environmental Considerations

Review of the project site and project plans indicate that the project would not result in substantial adverse impacts to the visual environment. Other than a temporary increase in ambient noise from heavy equipment working during construction hours there are no long-term sound impacts associated with the project. Upon project completion, noise levels will return to pre-construction ambient levels. There are no known hazardous waste issues in the project area.

Permits

- 404 Permit from the U.S. Army Corps of Engineers
- 401 from the Regional Water Quality Control Board
- 1602 from the Department of Fish and Wildlife
- Coastal Development Permit from the California Coastal Commission

GEOTECHNICAL/FOUNDATIONS

SHN Consulting Engineers & Geologist submitted a preliminary foundation memorandum for the proposed bridge on September of 2012 shown in Appendix I. Foundations for the abutments will most likely consist of Caltrans Class-45 standard driven pile foundations. A Preliminary Foundation Report will be provided prior to the design phase of the project.

SEISMIC

The project site is located within one of the most seismically active areas of the State. Caltrans Seismic Design Criteria version 1.6 (November 2010) will be utilized for the bridge design. Quincy will perform an equivalent static seismic analysis of the proposed bridge. The recommended ARS curve for seismic design will be provided by the geotechnical engineer and included in the foundation report.

FALSEWORK

Falsework will not be required within the limits of the slough for the preferred precast concrete girder alternative. This will be a great advantage to minimize impact to the project site compared to other cast in place alternatives. This will also benefit the construction schedule by reducing the overall time needed to construct the bridge.



DECK PROTECTION

This project is located within a marine environment, therefore additional corrosion mitigation techniques is required. Special protection measures such as thicker concrete cover and epoxy coated reinforcement are required to provide proper protection.

HYDRAULICS

The clear span of the proposed bridge is longer than the current structure and will improve the existing hydraulic condition. Furthermore, the vertical profile of the proposed bridge is being raised such that the entire superstructure will clear the anticipated King Tide elevation. A draft design hydraulic and location hydraulic study report has been prepared and is included in Appendix J.

The Pine Hill Road over Swain Slough Bridge Replacement Project (Project) site crosses over Swain Slough immediately downstream of its confluence with Martin Slough. The mouth of Martin Slough is separated from Swain Slough by a levee and tide gates. The confluence of



Figure 4: Profile view looking north

Swain Slough with Elk River is 0.5 mi downstream of the Project site. Elk River eventually drains into Humboldt Bay approximately 1.5 mi further downstream. Because of its close proximity to Humboldt Bay, the project is tidally influenced.

The peak discharges for Swain/Martin sloughs were estimated using a rainfall/runoff model. The 100-year and 50-year peak discharge values for Swain/Martin sloughs were estimated to be 2,490 cubic feet per second (cfs) and 2,200 cfs, respectively. The hydraulic characteristics at the Project site were evaluated using the Hydrologic Engineering Centers River Analysis System (HEC-RAS) modeling software, Version 4.1.0 developed by the U.S. Army Corps of Engineers (USACE).

100-Year Water Surface Elevations and Freeboard at Upstream Face of Bridges

| Alternative | Lowest Bridge Soffit Elevation (ft*) | Water Surface Elevation (ft*) | Available Freeboard (ft) |
|-------------|---|----------------------------------|-----------------------------|
| Existing | 9.3 | 12.1 | -2.8 |
| Proposed | 8.9 | 12.1 | -3.2 |

Note: * The elevations reference the North American Vertical Datum of 1988 (NAVD 88)



50-Year Water Surface Elevations and Freeboard at Upstream Face of Bridges

| Alternative | Lowest Bridge Soffit Elevation (ft*) | Water Surface Elevation (ft*) | Available Freeboard (ft) |
|-------------|---|----------------------------------|-----------------------------|
| Existing | 9.3 | 11.5 | -2.2 |
| Proposed | 8.9 | 11.5 | -2.6 |

Note: * The elevations reference the North American Vertical Datum of 1988 (NAVD 88)

The proposed bridge is designed based on the tidal elevations at Humboldt Bay and there are provisions to raise the bridge in the future to address sea level rise, but the currently proposed bridge is not designed to account for sea level rise. The bridge foundations are designed for the superstructure to be able to be raised in the future to accommodate sea level rise. Sea level rise estimates for the Project site were estimated using information from the following three studies:

- The Probability of Sea Level Rise (Environmental Protection Agency [EPA]1995)
- Climate Change Scenarios and Sea Level Rise Estimates for the California 2009
- Climate Change Scenarios Assessment (Cayan 2009), and
- The Proceedings of National Academy of Science (PNAS) (Vermeer and Rahmstorf 2009)

Sea Level Rise Estimates for the Year 2100 near Humboldt Bay, California

| Mothod/Course | Sea Level Rise (ft) | | |
|---------------|---------------------|------|--|
| Method/Source | High | Low | |
| EPA | 3.0 | -0.8 | |
| CAYAN | 4.6 | 3.3 | |
| PNAS | 4.9 | 1.3 | |

CHANNEL SCOUR/SLOPE PROTECTION

Based on field reviews and the maintenance report history, scour is a concern that needs to be addressed at this site. Appropriate protective countermeasures include placement of rock slope protection along each embankment slope in order to provide a more stable slough and reduce erosion along the abutment slopes. Vibrated permanent sheet piling will be installed to a depth that is below the anticipated scour which will protect the abutments in the future. The new abutments will be placed further apart to improve flow characteristics in the stream channel.

CONSTRUCTION COSTS

The bridge construction cost for the preferred alternative is based on the 30% level design which is estimated to be \$1,206,000. A 10% mobilization and 25% contingency was assumed when computing the total cost from the current level of design. Construction cost estimates for the preferred alternative is detailed and shown on Table 1. The construction costs analysis estimates have been presented based on Caltrans Comparative Bridge Cost and preliminary roadway quantities with unit prices from similar projects. Table 2 includes cost estimates



associated with utility coordination/relocation, right-of-way, environmental mitigation, or construction engineering that are eligible for federal aid.

Table 1: Structure Construction Cost

| Alternative | Bridge Square Footage | Total Construction Cost | | |
|--|-----------------------|-------------------------|--|--|
| Preferred Alt. – PC/PS W-Flange Girder | 2,720 sq. ft. | \$1,206,000 | | |

Table 2: Construction Cost Analysis

| Construct Bridge | Bridge Removal | Slope Protection | Channel Work | Detour | Approach Roadway | Utility Relocation | Mobilization | Total Construction |
|---------------------|-------------------|---------------------|-----------------|----------|---------------------|-----------------------|--------------|-----------------------|
| \$1,206,000 | \$50,400 | \$25,000 | \$40,000 | \$10,000 | \$499,000 | \$0 | \$183,000 | \$2,013,000 |

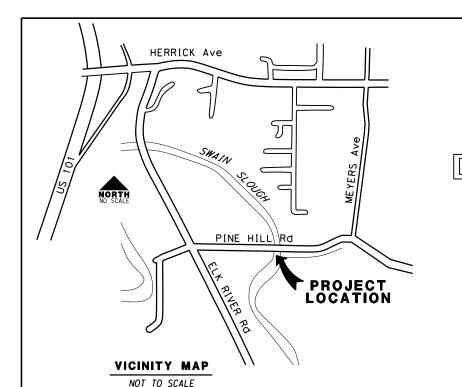
CONCLUSIONS

An 80' single-span precast-prestressed concrete wide flange girder built on the existing horizontal alignment is the preferred structure type. With many bridge type comparison issues such as cost, foundations, and constructability being considered, precast-prestressed concrete wide flange girder is the most ideal replacement type at this site.

ATTACHMENTS

- A. Preliminary Environmental Study
- B. Type Selection Memo
- C. NEPA Determination
- D. CEQA Determination
- E. Natural Environment Study
- F. Archaeological Study Report (ASR)
- G. Historic Property Study Report (HPSR)
- H. Preferred Alternative
- I. Preliminary Project Cost Estimates
- J. Preliminary Foundation Report
- K. Hydraulics Information
- L. Bridge Inspection Records Information System Report

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COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS

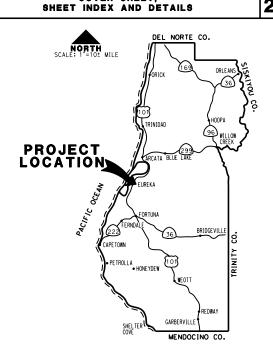
OAD NO.: 3J430

PROJECT NO.: BRLO-5904(112)

EA NO.:

DRAWING FILE NAME: S:\Client\Humboldt\H07-300 Pine Hill\CAD\Roadway\H07300rab001 den

PROJECT PLANS FOR CONSTRUCTION OF PINE HILL ROAD OVER SWAIN SLOUGH BRIDGE No. 04C0260 FEDERAL PROJECT NO. BRLO-5904[112]



COUNTY OF HUMBOLDT

DEPARTMENT OF PUBLIC WORKS

PINE HILL ROAD BRIDGE OVER SWAIN SLOUGH

LOCATION MAP

SCALE: 1"=10± MILE

APPLICABLE STANDARD PLANS

CALTRANS STANDARD PLANS DATED 2018. (SEE SPECIAL PROVISIONS STANDARD PLAN LIST)

NOTES

THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT.

INDEX OF SHEETS

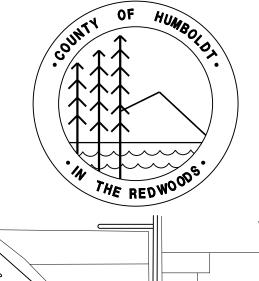
ROADWAY PLANS

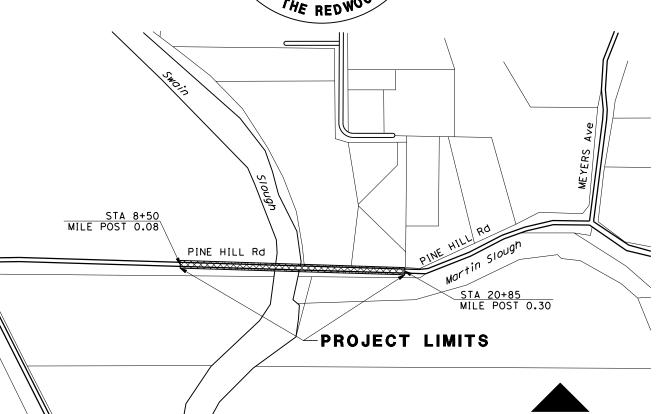
- 1 COVER SHEET
- 2 TYPICAL CROSS SECTIONS
- 3 LAYOUT
- 4 PROFILE
- 5 CONSTRUCTION DETAILS
- 6 EROSION CONTROL PLAN
- 7 CONTOUR GRADING AND ROCK SLOPE PROTECTION
- 8 DRAINAGE PLA
- 9 DRAINAGE PROFILES
- 10 DRAINAGE DETAILS
- 11 UTILITY PLAN
- 12 DETOUR PLAN
- 13 SUMMARY OF QUANTITIES

STRUCTURE PLANS

- 14 GENERAL PLAN
- 15 DECK CONTOURS
- 16 FOUNDATION PLAN
- 17 ABUTMENT LAYOUT
- 18 ABUTMENT DETAILS No.1
- 19 ABUTMENT DETAILS No.2
- 20 TYPICAL SECTION
- 21 GIRDER LAYOUT
- 22 WIDE FLANGE GIRDER DETAILS No.1
- 23 WIDE FLANGE GIRDER DETAILS No.2
- 24 CONSTRUCTION SEQUENCE
- 25 MISCELLANEOUS DETAILS

74-28₁₁₃ LOG OF TEST BORINGS





VICINITY MAP

BASIS OF BEARINGS

QUINC' ENGINEERIN

DESIGNED BY: KP

REVIEWED BY: JJ

CC83 EPOCH 2007.00 BASED ON CONTROL BY BRIAN SOUSA. PLS FOR LIDAR SURVEY (PT NOS. 1510 & 1512)

CONVERGENCE ANGLE 01°25'43"
COMBINATION FACTOR 0.999900144

BASIS OF ELEVATION

NAVD88 BASED ON SAME SOUSA SURVEY (WHICH WAS VIA STATIC GPS TIES TO NGS CONTROL AT MURRAY FIELD)

RECOMMENDED

Jours Freday

12/3/2019 DATE

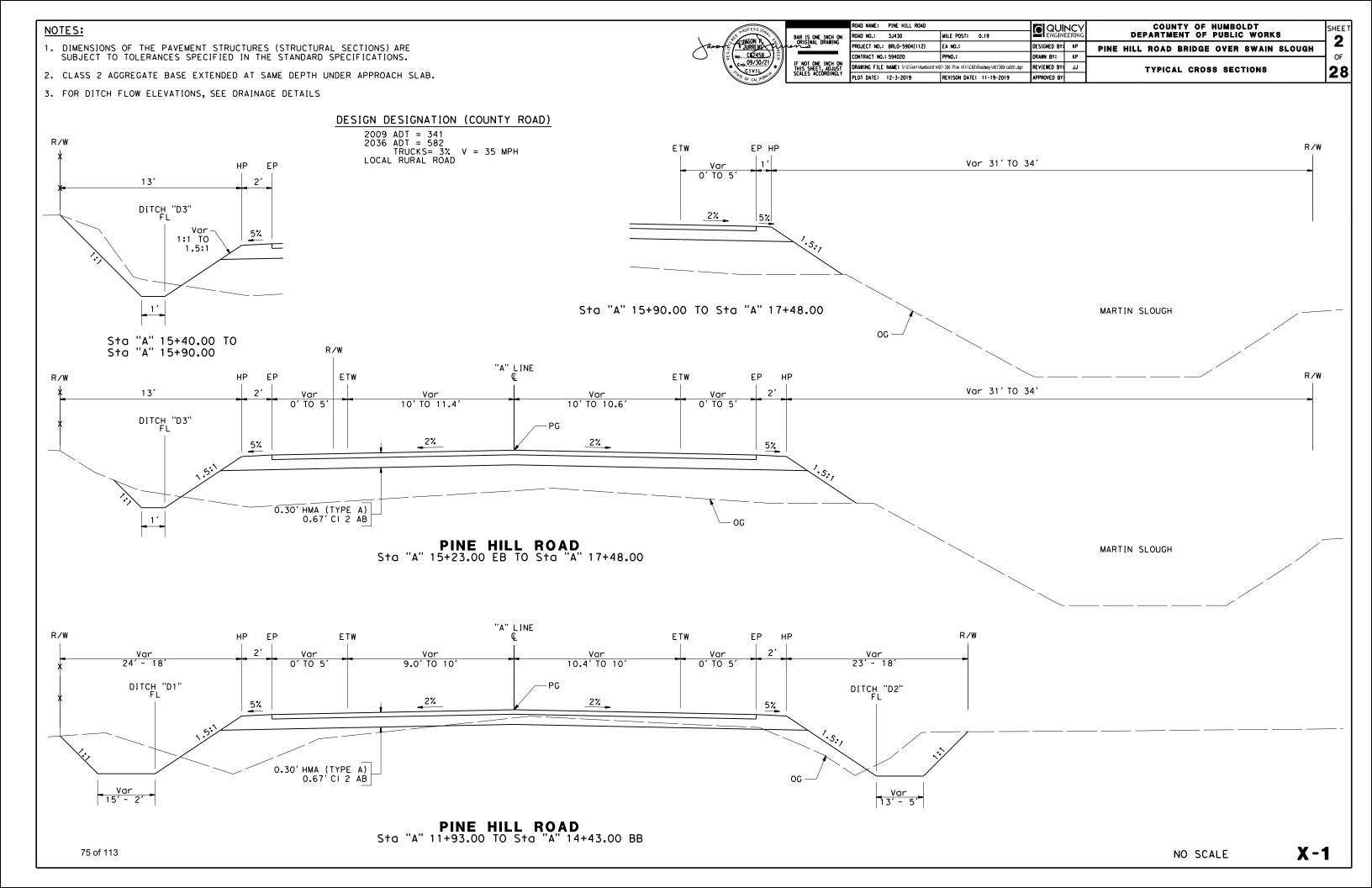


APPROVED

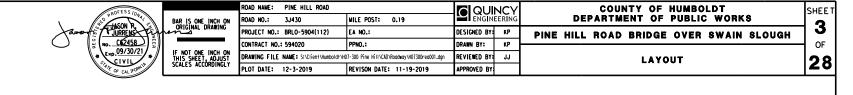
HUMBOLDT COUNTY DATE



ORIGINAL LOW BID PRICE | CONSTRUCTED BY | RESIDENT ENGINEER | PROJECT COMPLETED / / CONSTRUCTION COST \$

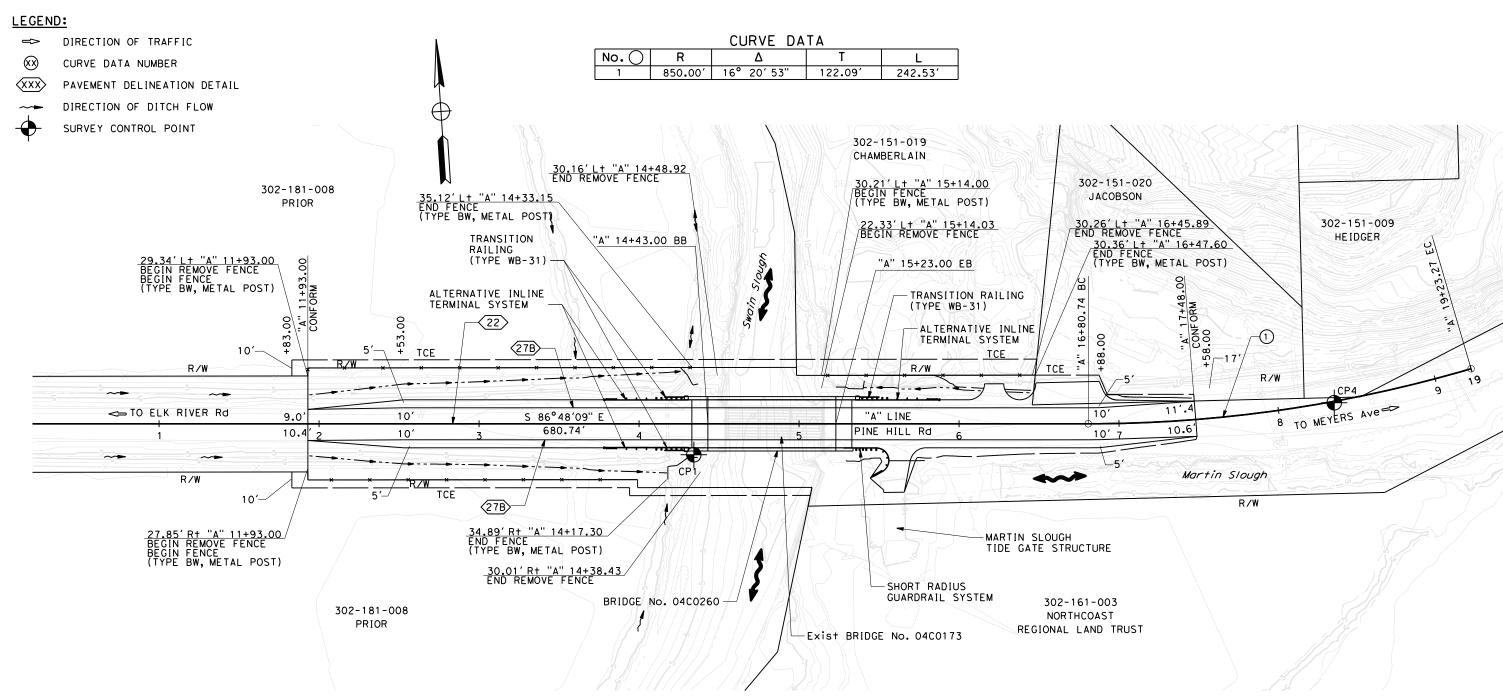


FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA,
 SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.
 PINE HILL ROAD TO MYERS (MEYERS) AVE - 60' WIDE PER 62 DEEDS 372
 UNABLE TO LOCATE POINT OF BEGINNING-HELD EXISTING ROAD AS BEST EVIDENCE OF DEEDED R/W.
 ALSO 60' WIDE PER BOOK 6 OF MAPS PAGE 40 (PT NOS. 417, 418, 421 & 422)
 NOTE THIS DOES NOT FIT EXISTING ROAD VERY WELL.
 IMPLIED COMMON LAW DEDICATION FOR OTHER AREAS FALLING WITHIN MAINTAINED ROAD
 VIA LONG TERM PUBLIC LISE AND MAINTENANCE BY THE COUNTY.



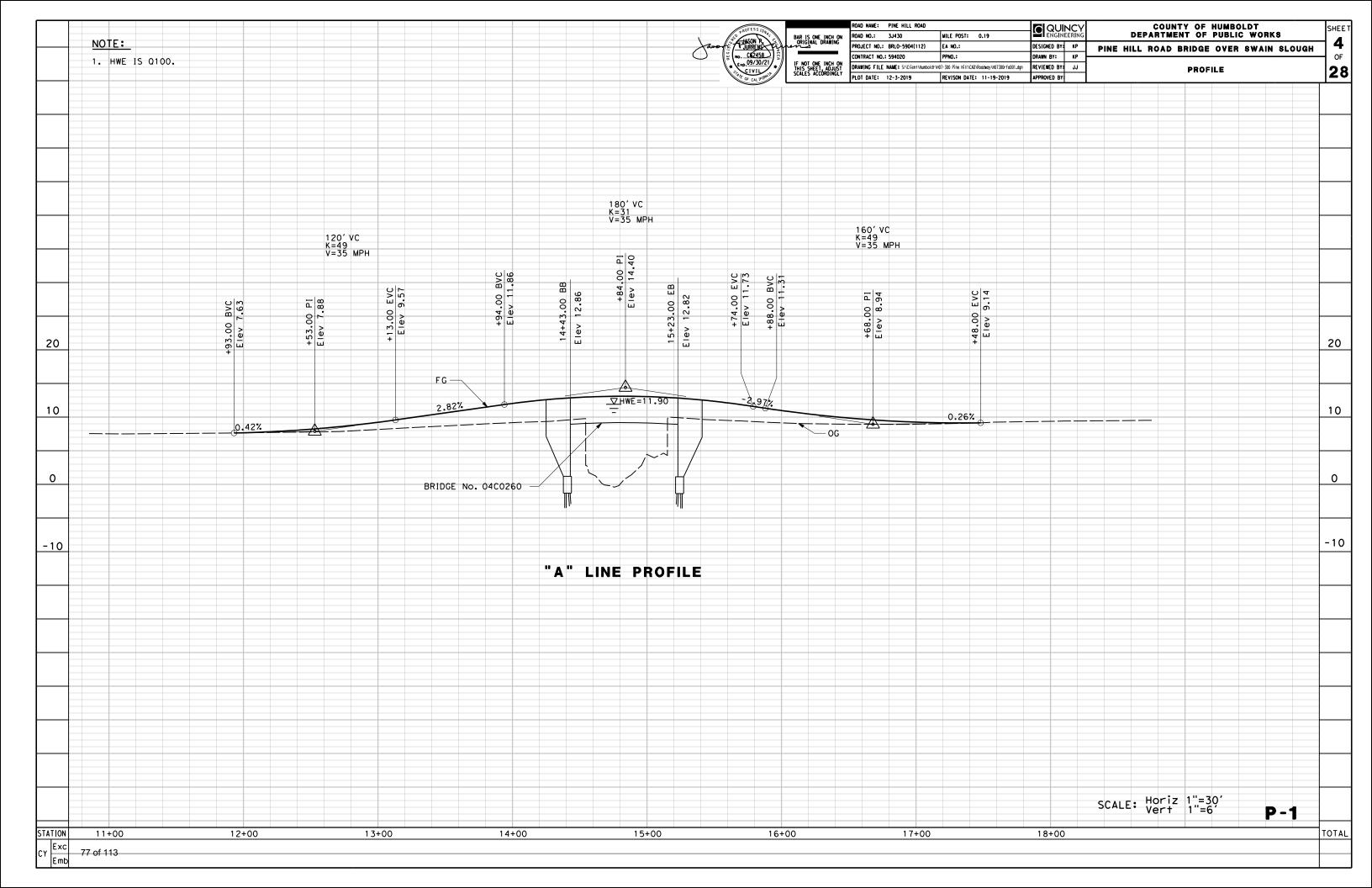
VIA LONG TERM PUBLIC USE AND MAINTENANCE BY THE COUNTY.

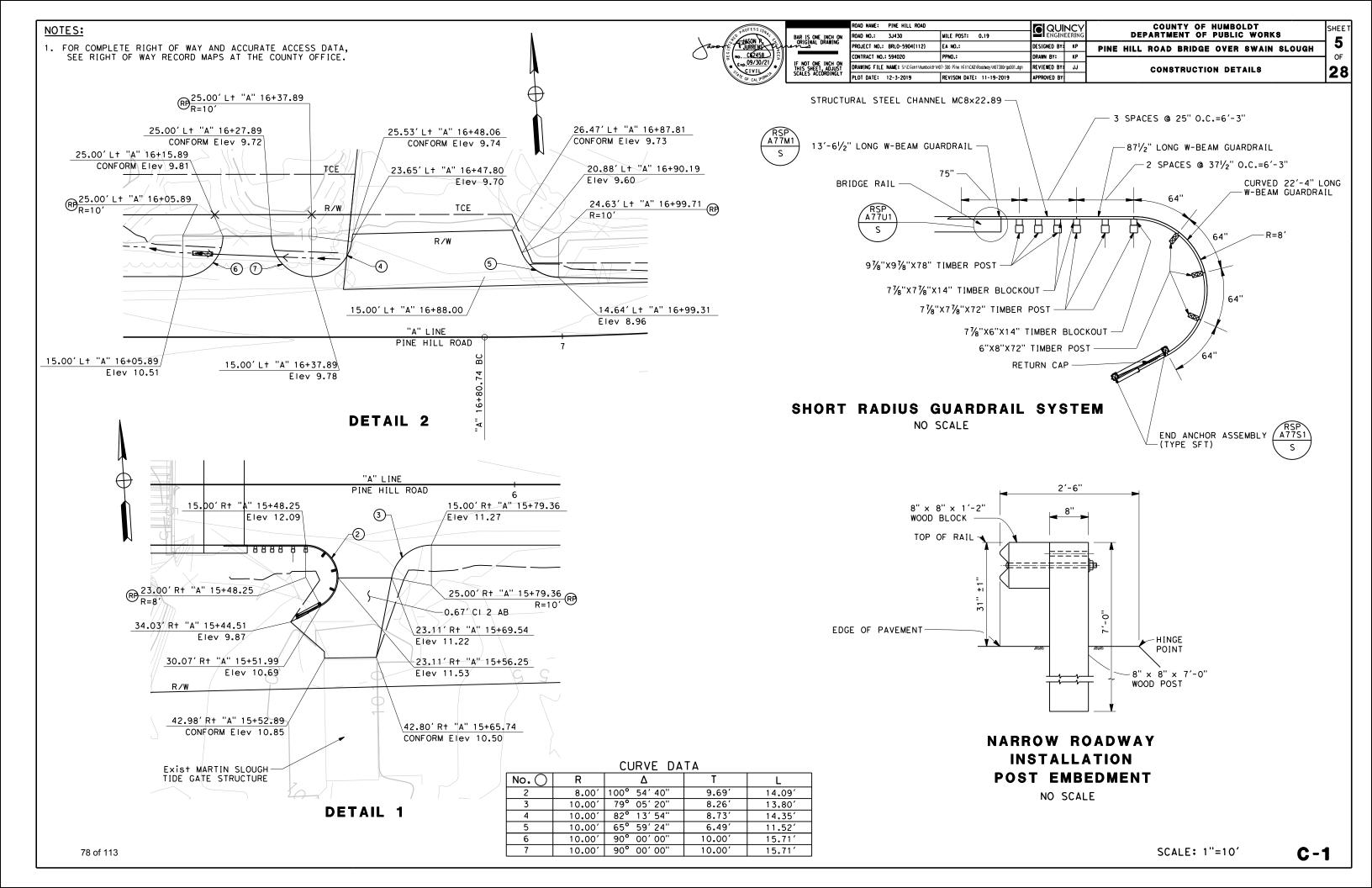
5. TRAFFIC STRIPES SHALL BE 4" WIDE, MODIFIED FROM CALTRANS STANDARD PLANS A20A AND A20B.



SURVEY CONTROL DATA

| No. | NORTHING | EASTING | ELEV | LINE | STATION | OFFSET | DESCRIPTION |
|-----|-------------|-------------|--------|------|----------|-----------|----------------------|
| CP1 | 2164937.002 | 5957031.194 | 10.172 | "A" | 14+34.23 | 19.36′ R+ | SET80DSPIKE |
| CP2 | 2165008.312 | 5956085.236 | 9.142 | "A" | | | BRASSCAPHUMCORE19203 |
| CP4 | 2164947.122 | 5957432.660 | 9.366 | "A" | 18+35.19 | 0.88'R+ | SETMAGNAIL&DPWTAG |
| CP5 | 2165073.438 | 5957926.179 | 8.956 | "A" | | | FD1510 |





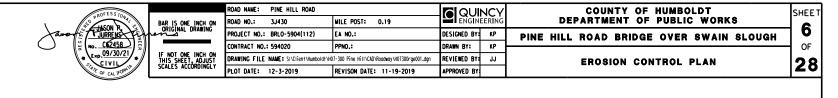
- 1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.
- LOCATION OF FIBER ROLLS ARE SCHEMATIC. ACTUAL PLACEMENT LOCATIONS OF FIBER ROLLS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

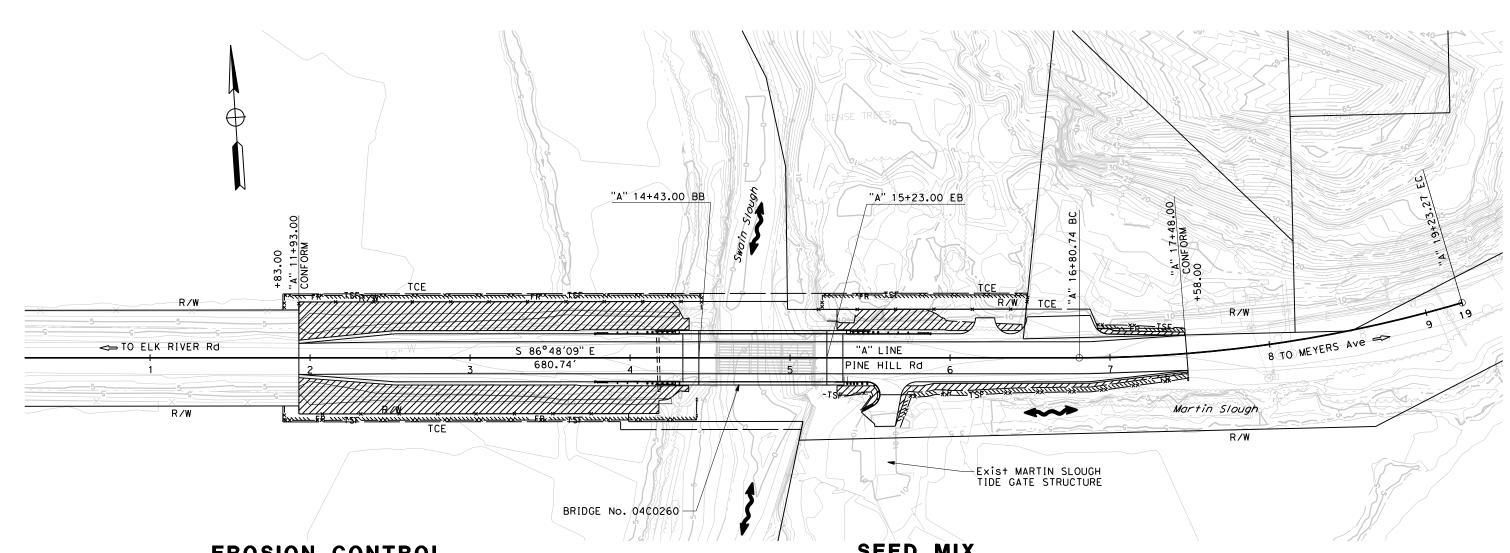
LEGEND:

EROSION CONTROL

WWW FR WWWW FIBER ROLL

--- TEMPORARY HIGH-VISIBILITY FENCE





| F | R | O | S | ı | റ | N | J | C | O | N | T | R | O | ı |
|---|---|---|---|---|---|---|---|---|---|----|---|---|---|---|
| 드 | п | V | J | | V | ľ | 4 | V | v | 14 | | П | V | _ |

| SEQUENCE | ITEM | MATE | RIAL | APPLICATION | REMARKS | |
|--------------------|--|-------------|--------------------------|--------------|-----------------------|--|
| SEGOLINCE | I I C IVI | DESCRIPTION | TYPE | RATE | ILMANKS | |
| STEP 1 HYDROSEED - | | SEED | MIX | 28 LB/ACRE | | |
| SIEF I | HIDROSEED | FIBER | WOOD | 1000 LB/ACRE | | |
| STEP 2 | ROLLED EROSION CONTROL PRODUCT (BLANKET) | BLANKET | TYPE A | | | |
| STEP 3 | FIBER ROLLS | FIBER ROLL | 8 TO 10 INCHES IN Dia | | TYPE 2 INSTALATION | |

| S | E | E | D | M | X |
|---|---|---|---|---|---|

| BOTANICAL NAME (COMMON NAME) | POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT) |
|---|--|
| WESTERN YARROW (ACHILLEA MILLEFOLIUM) | 1 |
| SAN DIEGO BENTGRASS (AGROSTIS PALLENS) | 1 |
| CLUSTERED FIELD SEDGE (CAREX PRAEGRACILIS) | 5 |
| SLENDER HAIRGRASS (DESCHAMPSIA ELONGATA) | 1 |
| BARLEY (HORDEUM BRACHYANTHERUM) | 20 |
| TOAD RUSH (JUNCUS BUFONIUS) | 0 |

SCALE: 1"=30'

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.

FOR STEEL SHEET PILING, SEE BRIDGE PLANS.



| | | ROAD NAME: PINE HILL ROAD |
|----|--|-------------------------------------|
| νI | BAR IS ONE INCH ON ORIGINAL DRAWING | ROAD NO.: 3J430 |
| 1 | ORIGINAL DRAWING | PROJECT NO.: BRLO-5904(112) |
| | | CONTRACT NO.: 594020 |
| | IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY | DRAWING FILE NAME: S:\Client\Humbol |
| | SCALES ACCORDINGLY | PLOT DATE: 12-3-2019 |

| ROAD NAME: | PINE HILL ROAD | | QUI | NCY |
|--------------|-----------------------------|---|--------------|--------|
| ROAD NO.: | 3J430 | MILE POST: 0.19 | ENGIN | EERING |
| PROJECT NO.: | BRLO-5904(112) | EA NO.: | DESIGNED BY: | KP |
| CONTRACT NO. | 594020 | PPNO.: | DRAWN BY: | KP |
| DRAWING FILE | NAME: S:\Client\Humboldt\H0 | 17-300 Pine Hill\CAD\Roadway\H07300rha001.dgn | REVIEWED BY: | JJ |
| PLOT DATE: | 12-3-2019 | REVISON DATE: 11-19-2019 | APPROVED BY | |

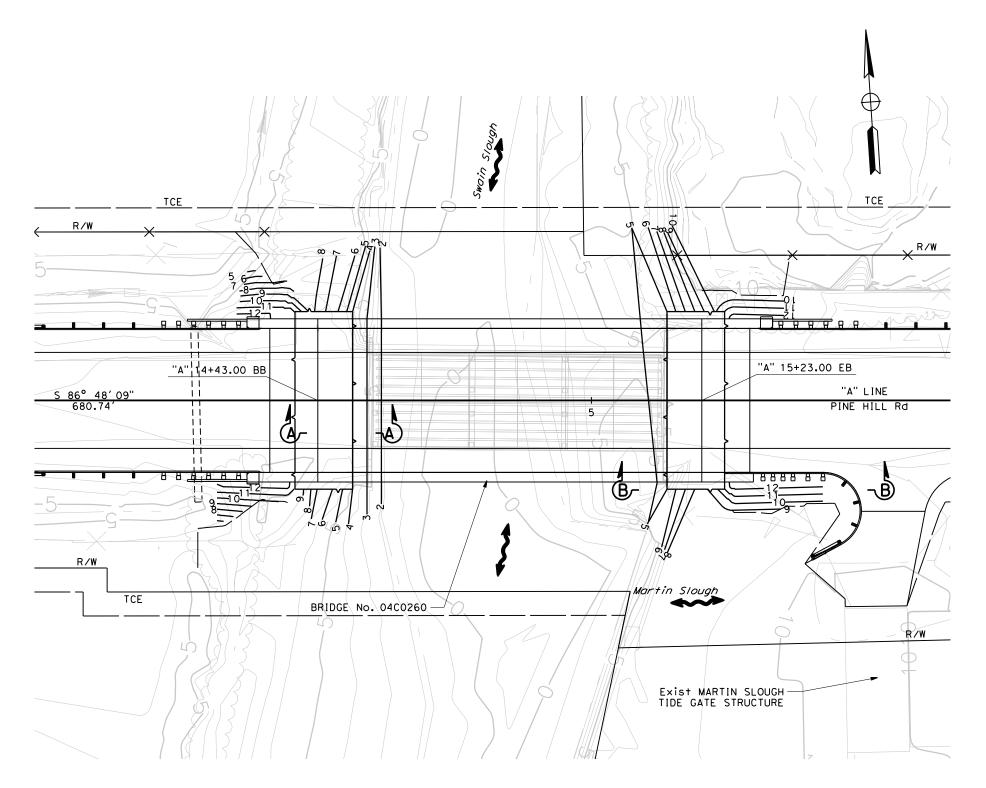
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS PINE HILL ROAD BRIDGE OVER SWAIN SLOUGH

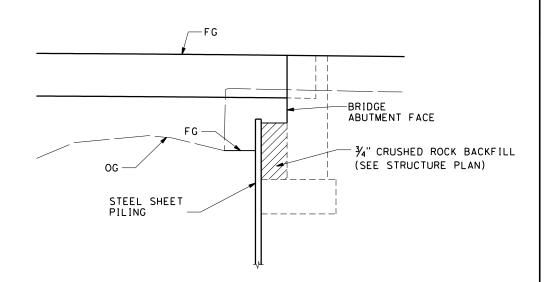
CONTOUR GRADING AND ROCK SLOPE PROTECTION

LEGEND:

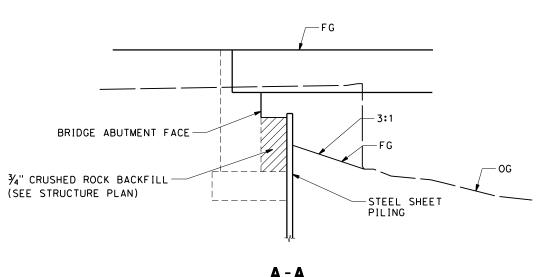
80 of 113

_____ LIMITS OF STEEL SHEET PILING





B-B NO SCALE



NO SCALE

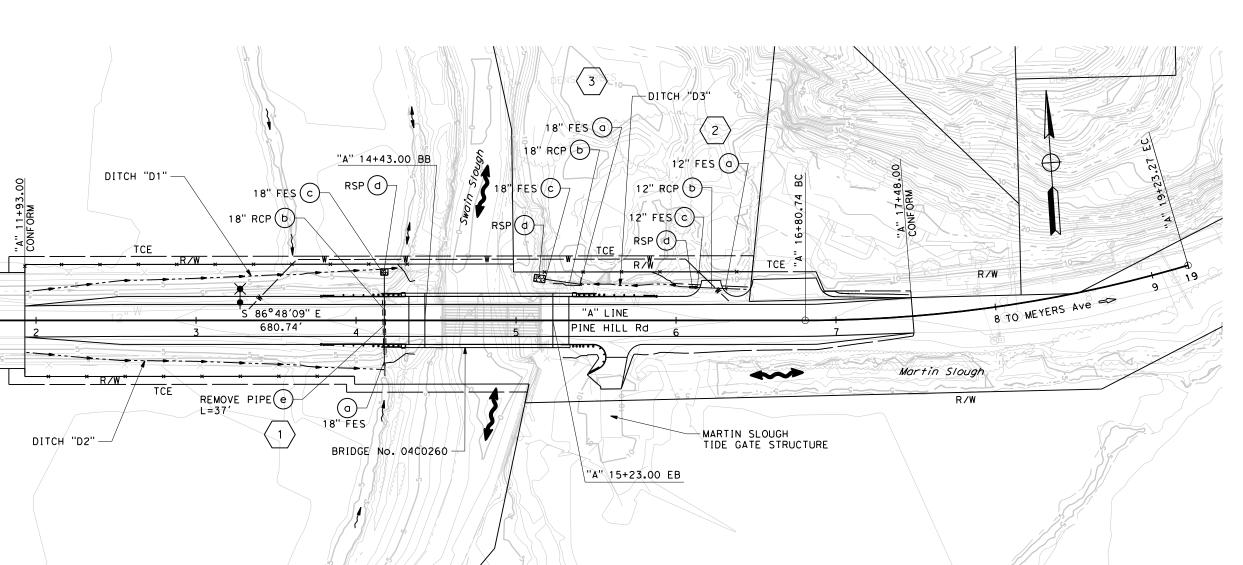
- FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.
- 2. CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION OF ANY COMPONENT OF ANY DRAINAGE SYSTEM IN ORDER TO VERIFY CONSTRUCTIBILITY OF THE DRAINAGE SYSTEM AS SHOWN ON PLANS.

R/W

R/W

<>> TO ELK RIVER Rd





JJSON R.
1 JURRENS
No. C62458
Exp. 09/30/21

D-1

C QUINCY ENGINEERING

DESIGNED BY: KP

DRAWN BY: KP

REVIEWED BY: JJ

APPROVED BY:

ROAD NAME: PINE HILL ROAD

PROJECT NO.: BRLO-5904(112)

MILE POST: 0.19

REVISON DATE: 11-19-2019

EA NO.:

PPNO.:

DRAWING FILE NAME: S:\Client\Humboldt\H07-300 Pine Hill\CAD\Roadway\H07300rig001.dan

DAD NO.: 3J430

PLOT DATE: 12-3-2019

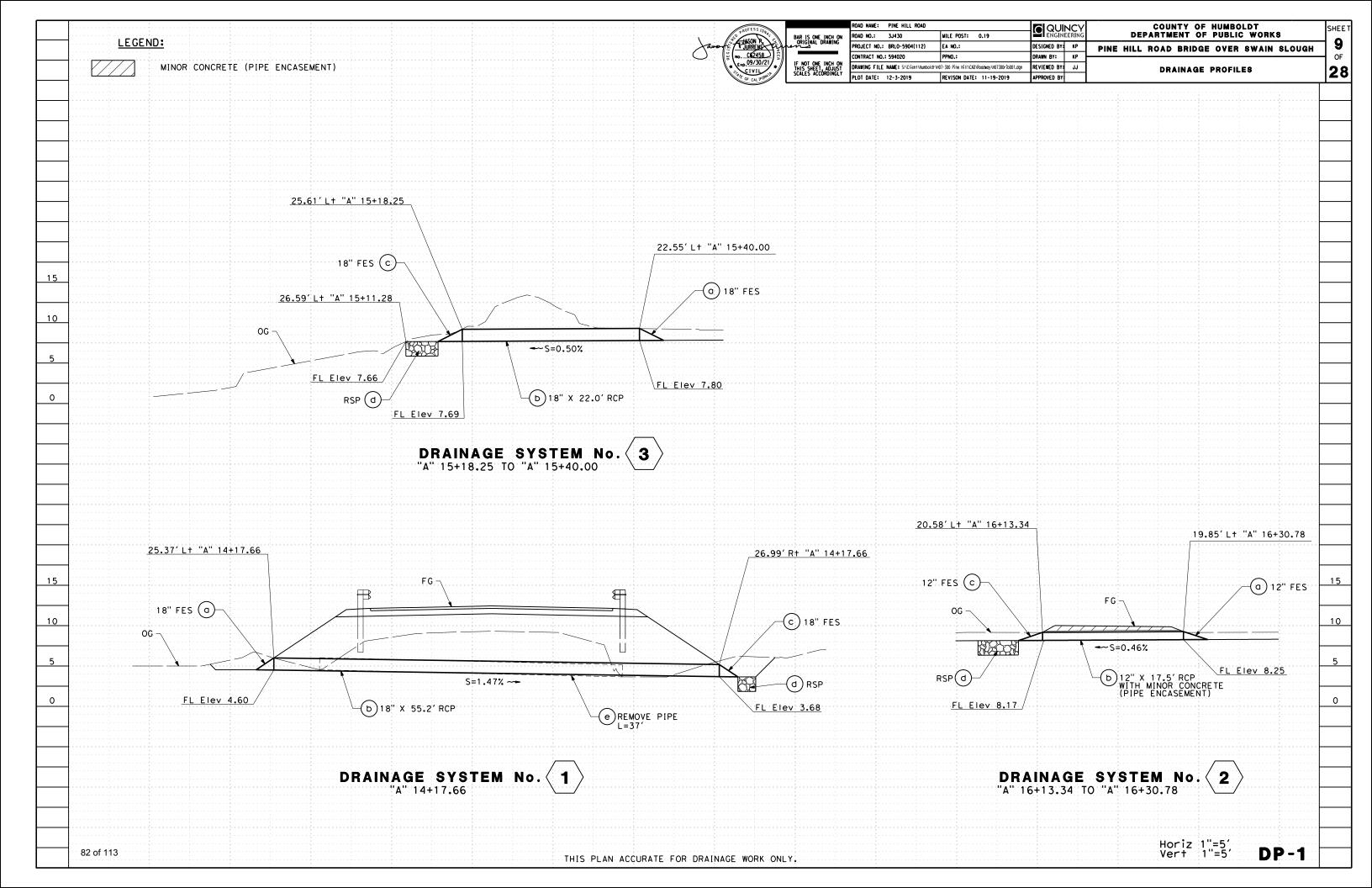
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS

PINE HILL ROAD BRIDGE OVER SWAIN SLOUGH

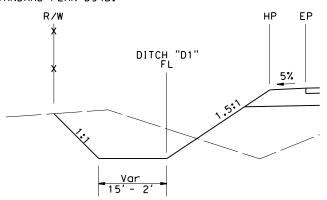
DRAINAGE PLAN

SHEET

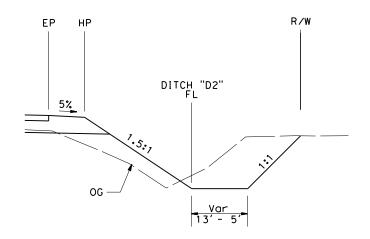
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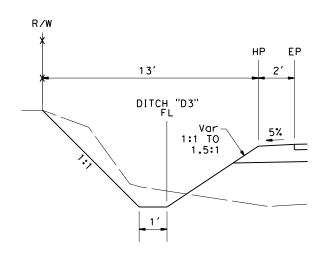
- 1. FOR RSP CLASS AND DIMENSIONS, SEE TABLE 1.
- 2. FOR FLARED END SECTION DETAILS NOT SHOWN, SEE STANDARD PLAN D94B.
- 3. CUTOFF WALL ONLY PRESENT WITH CONCRETE FES, SEE STANDARD PLAN D94B.



DITCH "D1" Sta "A" 11+93.00 TO Sta "A" 14+29.00



DITCH "D2" Sta "A" 11+93.00 TO Sta "A" 14+18.00



DITCH "D2" Sta "A" 15+40.00 TO Sta "A" 15+90.00



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| | IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY | |

| ROAD NAME: | | | | NCY | COUNTY OF HUMBOLDT |
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| ROAD NO.: | 3J430 | MILE POST: 0.19 | ENGIN | EERING | DEPARTMENT OF PUBLIC WORKS |
| PROJECT NO.: | BRLO-5904(112) | EA NO.: | DESIGNED BY: | KP | PINE HILL ROAD BRIDGE OVER SWAIN SLOUGH |
| CONTRACT NO. | 594020 | PPNO.: | DRAWN BY: | KP | |
| DRAWING FILE NAME: S:\Client\Humboldt\H07-300 Pine Hill\CAD\Roodway\H07300ric001.dgn | | | REVIEWED BY: | IJ | CONSTRUCTION DETAILS |
| PLOT DATE: | 12-3-2019 | REVISON DATE: 11-19-2019 | APPROVED BY | | •••••• |

DITCH "D1"

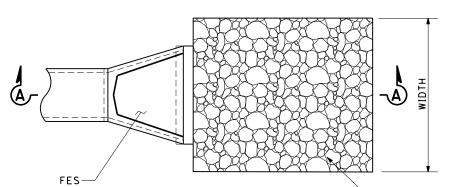
| | | | | - | | |
|----------|------|--------|-------|-------|---------|--------------|
| STATION | LINE | OFFSET | L†/R† | WIDTH | FL Elev | SLOPE (%) |
| 11+93.00 | "A" | 15.91 | L† | 15.91 | 4.07 | |
| 12+00.00 | "A" | 16.67 | L† | 15.25 | 4.05 | -0.29 |
| 12+20.00 | "A" | 18.93 | L† | 12.95 | 4.00 | -0.25 |
| 12+40.00 | "A" | 21.30 | L+ | 10.47 | 3.95 | -0.25 |
| 12+60.00 | "A" | 23.00 | L† | 8.78 | 3.96 | 0.05 |
| 12+80.00 | "A" | 23.57 | L+ | 7.55 | 3.97 | 0.05 |
| 13+00.00 | "A" | 24.27 | L+ | 6.73 | 3.98 | 0.05 |
| 13+20.00 | "A" | 25.11 | L† | 6.25 | 3.97 | -0.05 |
| 13+40.00 | "A" | 25.97 | L+ | 5.62 | 3.95 | -0.10 |
| 13+60.00 | "A" | 26.50 | L† | 6.71 | 4.17 | 1.10 |
| 13+80.00 | "A" | 28.04 | L† | 5.17 | 4.01 | -0.80 |
| 14+00.00 | "A" | 29.13 | L† | 2.81 | 3.85 | -0.80 |
| 14+20.00 | "A" | 30.22 | L† | 2.44 | 3.58 | -1.35 |
| 14+29.00 | "A" | 30.96 | L† | 2.42 | 3.26 | -3.56 |

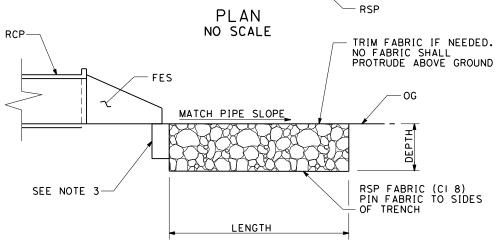
DITCH "D2"

| STATION | LINE | OFFSET | L+/R+ | WIDTH | FL Elev | SLOPE (%) |
|----------|------|--------|-------|-------|---------|--------------|
| 11+93.00 | "A" | 17.97 | R† | 13.80 | 3.62 | |
| 12+00.00 | "A" | 18.57 | R† | 13.16 | 3.60 | -0.29 |
| 12+20.00 | "A" | 20.39 | R† | 11.25 | 3.52 | -0.40 |
| 12+40.00 | "A" | 22.09 | R† | 9.62 | 3.61 | 0.45 |
| 12+60.00 | "A" | 23.12 | R† | 8.83 | 3.88 | 1.35 |
| 12+80.00 | "A" | 23.31 | R† | 8.94 | 4.14 | 1.30 |
| 13+00.00 | "A" | 23.62 | R† | 8053 | 4.41 | 1.35 |
| 13+20.00 | "A" | 24.30 | R† | 7.52 | 4.51 | 0.50 |
| 13+40.00 | "A" | 25.04 | R† | 6052 | 4.58 | 0.35 |
| 13+60.00 | "A" | 25.75 | R† | 7.79 | 4.67 | 0.45 |
| 13+80.00 | "A" | 27.42 | R† | 5015 | 4.43 | -1.20 |
| 14+00.00 | "A" | 28.01 | R† | 4.50 | 4.59 | 0.80 |
| 14+18.00 | "A" | 28.74 | R† | 5.45 | 4.53 | -0.33 |

DITCH "D3"

| | | DITCH | | | |
|----------|------|--------|-------|---------|--------------|
| STATION | LINE | OFFSET | L+/R+ | FL Elev | SLOPE (%) |
| 15+40.00 | "A" | 22.05 | L+ | 7.80 | |
| 15+60.00 | "A" | 21.96 | L+ | 7.90 | 0.50 |
| 15+80.00 | "A" | 21.63 | L† | 8.00 | 0.50 |
| 15+90.00 | "A" | 21.66 | L† | 8.05 | 0.50 |
| 16+00.00 | "A" | 20.70 | L+ | 8.10 | 0.50 |
| 16+13.34 | "A" | 20.08 | L+ | 8.17 | 0.52 |
| 16+30.79 | "A" | 19.36 | L† | 8.25 | 0.46 |
| 16+40.00 | "A" | 19.01 | L† | 8.30 | 0.54 |
| 16+44.96 | "Δ" | 18.83 | L† | 8.33 | 0.60 |

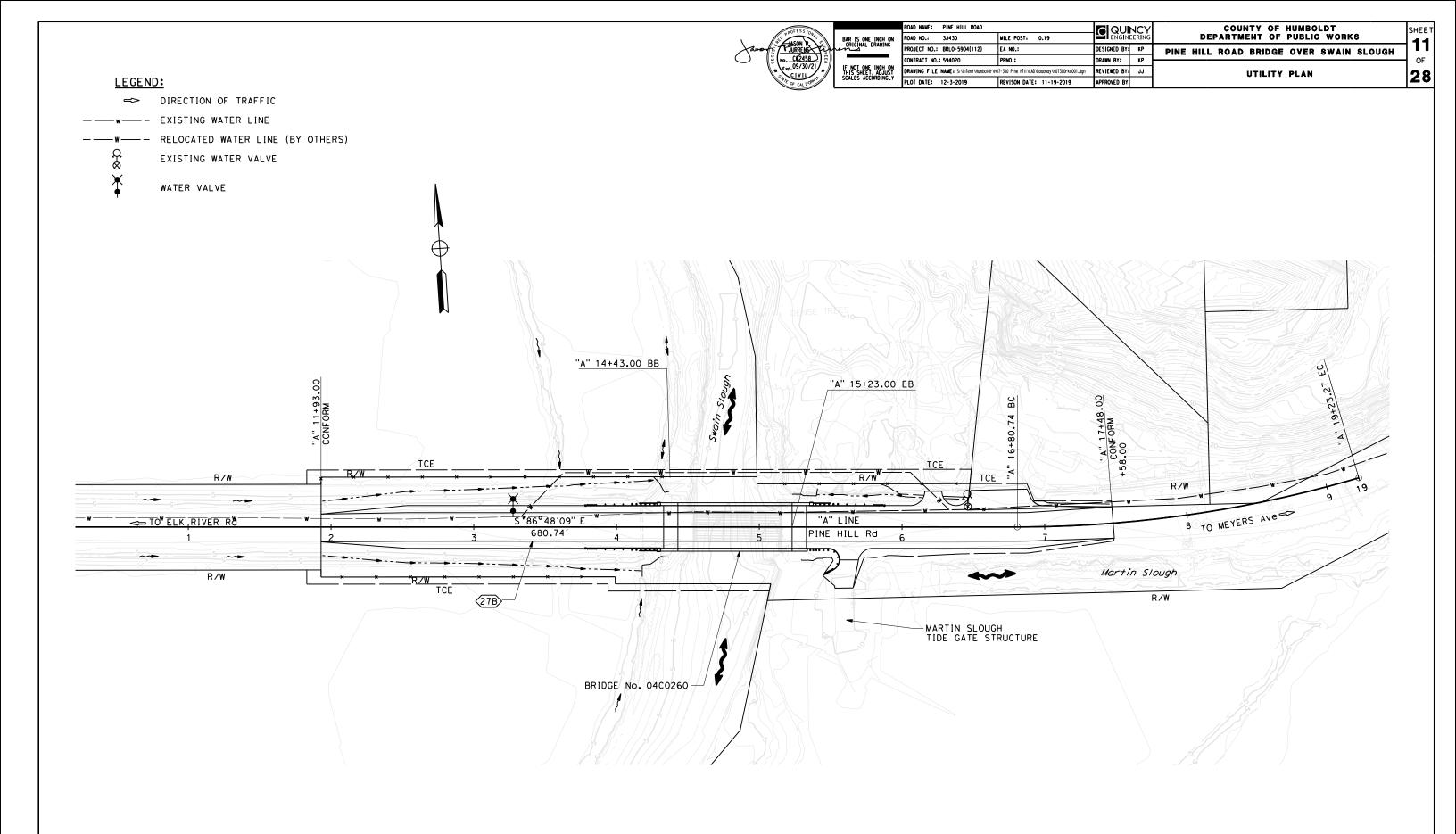




SECTION A-A

ROCK SLOPE PROTECTION (RSP) NO SCALE

| TABLE 1 | | | | | | | |
|----------|-----------------------------|--------|-------|-------|--|--|--|
| DRAINAGE | RSP | LENGTH | DEPTH | WIDTH | | | |
| UNIT | CLASS | FT | FT | FT | | | |
| 1d | 150 LB, CLASS III, METHOD B | 3.0 | 1.8 | 4.5 | | | |
| 2d | 150 LB, CLASS III, METHOD B | 5.0 | 1.8 | 1.0 | | | |
| 3d | 150 LB, CLASS III, METHOD B | 7.0 | 1.8 | 4.5 | | | |



- 1. THIS PLAN ACCURATE FOR DETOUR WORK ONLY.
- SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- 3. R11-2 SIGNS MOUNTED ON BARRICADE.

LEGEND:



CONSTRUCTION AREA

- CONSTRUCTION AREA SIGN
- TYPE III BARRICADE
- USE WITH FLASHERS AT NIGHT

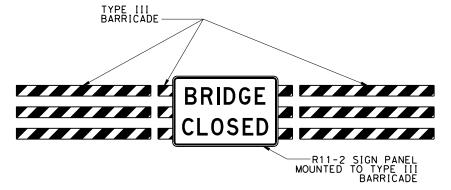
PINE HILL RD CLOSED AT SWAIN SLOUGH

DATES

A-1 SIGN DETAIL NO SCALE

TYPE III BARRICADE

| LINE | STATION | EΑ |
|-------|---------|----|
| "A" | 8+50 | 3 |
| "A" | 20+85 | 3 |
| TOTAL | | 6 |



BRIDGE CLOSURE DETAIL



| $\frac{1}{2}$ | BAR IS ONE INCH ON ORIGINAL DRAWING |
|---------------|--|
| | IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY |

| ROAD NAME: PINE HILL ROAD | QUIN ENGINE | | |
|--|--------------------------|--------------|----|
| ROAD NO.: 3J430 | MILE POST: 0.19 | ENGIN | ĒE |
| PROJECT NO.: BRLO-5904(112) | EA NO.: | DESIGNED BY: | Г |
| CONTRACT NO.: 594020 | PPNO.: | DRAWN BY: | Г |
| DRAWING FILE NAME: S:\Client\Humboldt\ | REVIEWED BY: | Г | |
| PLOT DATE: 12-3-2019 | REVISON DATE: 11-19-2019 | APPROVED BY | |

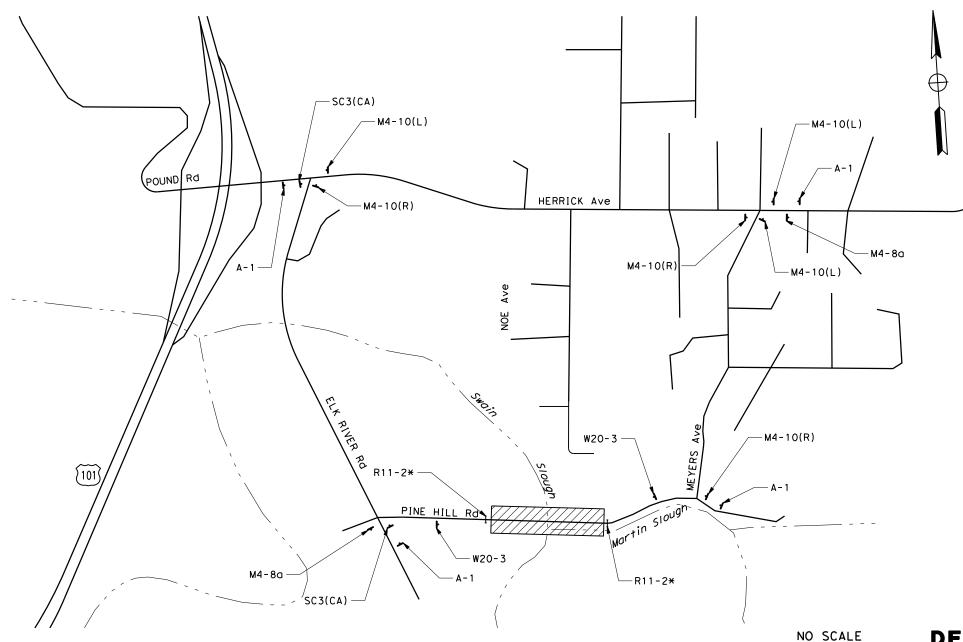
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS QUINCY ENGINEERING DESIGNED BY: KP PINE HILL ROAD BRIDGE OVER SWAIN SLOUGH DRAWN BY: KP REVIEWED BY: JJ

DETOUR PLAN

28

CONSTRUCTION AREA SIGNS

| SIGN CODE | PANEL SIZE | SIGN MESSAGE | NUMBER OF POSTS AND SIZE | NUMBER OF SIGNS |
|-----------|------------|--|-----------------------------|--------------------|
| R11-2 | 48" × 30" | ROAD CLOSED | 1 - 4" × 6" | 2 |
| W20-3 | 36" × 36" | ROAD CLOSED AHEAD | 1 - 4" × 6" | 2 |
| M4-8a | 24" × 18" | END DETOUR | 1 - 4" × 6" | 2 |
| M4-10(R) | 48" × 18" | DETOUR ARROW SIGN | 1 - 4" × 6" | 3 |
| M4-10(L) | 48" × 18" | DETOUR ARROW SIGN | 1 - 4" × 6" | 3 |
| SC3(CA) | 36" x 12" | DETOUR WITH ARROW | 1 - 4" × 6" | 2 |
| A - 1 | XX" × XX" | PINE HILL ROAD CLOSED AT SWAIN SLOUGH | 2 - 4" x 6" | 4 |





| | Ľ |
|--|---|
| BAR IS ONE INCH ON | ŀ |
| ORIGINAL DRAWING | • |
| | |
| IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY | Ī |
| SCALES ACCORDINGLY | 1 |

| ROAD NAME: PINE HILL ROAD | | QUII ENGINI | NC. |
|--|--|----------------|-------|
| ROAD NO.: 3J430 | MILE POST: 0.19 | ENGIN | EERIN |
| PROJECT NO.: BRLO-5904(112) | EA NO.: | DESIGNED BY: | KP |
| CONTRACT NO.: 594020 | PPNO.: | DRAWN BY: | KP |
| DRAWING FILE NAME: S:\Client\Humboldt\H0 | 7-300 Pine Hill\CAD\Roadway\H07300rpa001.dgn | REVIEWED BY: | JJ |
| PLOT DATE: 12-3-2019 | REVISON DATE: 11-19-2019 | APPROVED BY: | |
| | | | |

SUMMARY OF QUANTITIES

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS

PINE HILL ROAD BRIDGE OVER SWAIN SLOUGH 28

ROADWAY ITEMS

| | ROADWAY ITEMS | | | | | | | | | | | |
|------|---------------|--------|-------------|-----------------------|----------------|-----------------|---------------------------|-----------------------------|--------------|---------------|--------------------------------|-----------------------------|
| | FROM | | ТО | ROADWAY EXCAVATION | EMBANKMENT (N) | IMPORTED BORROW | CLASS 2 AGGREGATE BASE | HOT MIX ASPHALT (TYPE A) | REMOVE FENCE | REMOVE MARKER | FENCE (TYPE BW, METAL POST) | COMMENTS |
| LINE | STATION | LINE | STATION | CY | CY | CY | CY | TON | LF | EΑ | LF | |
| "A" | 11+93.00 | "A" | 14+43.00 BB | 420 | 686 | 266 | 232 | 156 | | | | |
| "A" | 15+23.00 EB | • | 17+48.00 | 102 | 271 | 169 | 219 | 159 | | | | |
| "A" | 15+67.59 | | | 2 | 21 | 19 | | | | | | DWY AT TIDAL GATE STRUCTURE |
| "A" | ABUTMENT 1 | | | 36 | 1 | - 35 | | | | | | CONTOUR GRADING |
| "A" | ABUTMENT 2 | | | 23 | 2 | -21 | | | | | | CONTOUR GRADING |
| "A" | 11+93.00 LT | "Α" | 14+48.92 LT | | | | | | 256 | | | |
| "A" | 19+93.00 RT | "A" | 14+38.43 RT | | | | | | 246 | | | |
| "A" | 15+14.03 LT | : 4 | 16+45.89 LT | | | | | | 136 | | | |
| "A" | 11+93.00 LT | .Α. | 14+33.15 LT | | | | | | | | 246 | |
| "A" | 11+93.00 RT | "A" | 14+17.30 RT | | | | | | | | 232 | |
| "A" | 15+14.00 LT | "A" | 16+47.60 LT | | | | | | | | 134 | |
| | EXIST BRIDGE | BB L† | | | | | | | | 1 | | EXIST BRIDGE |
| | EXIST BRIDGE | | | | | | | | | 1 | | EXIST BRIDGE |
| | EXIST BRIDGE | | | | | | | | | 1 | | EXIST BRIDGE |
| | EXIST BRIDGE | EB Rt | | | | | | | | 1 | | EXIST BRIDGE |
| | | | 583 | 981 | 398 | 451 | 315 | 638 | 4 | 612 | | |

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

| DRAINA | GE ITEMS |
|--------|----------|
| | |

| | | | | | יייט | TIMAGE | <u>, 11 FINIO</u> | | | 1 |
|-----------------|-------------------|--------------|---------------------------------------|---------------------------------------|---------------------------------|---------------------------------|--|-------------------------|-------------|--|
| DRAINAGE SYSTEM | DRAINAGE UNIT NO. | STATION | 12" CONCRETE FLARED END SECTION | 18" CONCRETE FLARED END SECTION | 12" REINFORCED CONCRETE PIPE | 18" REINFORCED CONCRETE PIPE | ROCK SLOPE PROTECTION (150 LB, CLASS III, METHOD B) | RSP FABRIC (CLASS 8) | REMOVE PIPE | DESCRIPTION |
| | | | EA | EΑ | LF | LF | CY | SQYD | LF | |
| 1 | a | "A" 14+17.66 | | 1 | | | | | | 18" CONCRETE FLARED END SECTION |
| | b | | | | | 55.2 | | | | 18" X 55.2' RCP |
| | С | "A" 14+17.66 | | 1 | | | | | | 18" CONCRETE FLARED END SECTION |
| | d | | | | | | 0.9 | 5.9 | | RSP (150 LB, CLASS III, METHOD B) |
| | е | | | | | | | | 37 | REMOVE PIPE 18" |
| 2 | a | "A" 16+30.78 | 1 | | | | | | | 12" CONCRETE FLARED END SECTION |
| | b | | | | 17.5 | | | | | 12" X 17.5'RCP WITH MINOR CONCRETE (PIPE ENCASEMENT) |
| | С | "A" 16+13.34 | 1 | | | | | | | 12" CONCRETE FLARED END SECTION |
| | d | | | | | | 0.3 | 4.4 | | RSP (150 LB, CLASS III, METHOD B) |
| 3 | а | "A" 15+40.00 | | 1 | | | | | | 18" CONCRETE FLARED END SECTION |
| | b | | | | | 22.0 | | | | 18" X 22.0' RCP |
| | С | "A" 15+18.25 | | 1 | | | | | | 18" CONCRETE FLARED END SECTION |
| | d | | | | | | 2.1 | 9.5 | | RSP (150 LB, CLASS III, METHOD B) |
| | | TOTAL | 2 | 4 | 17.5 | 77.2 | 3.3 | 19.8 | 37 | |

| GUA | ARD | RAI | <u>LING</u> |
|-----|-----|-----|-------------|
| | | | |

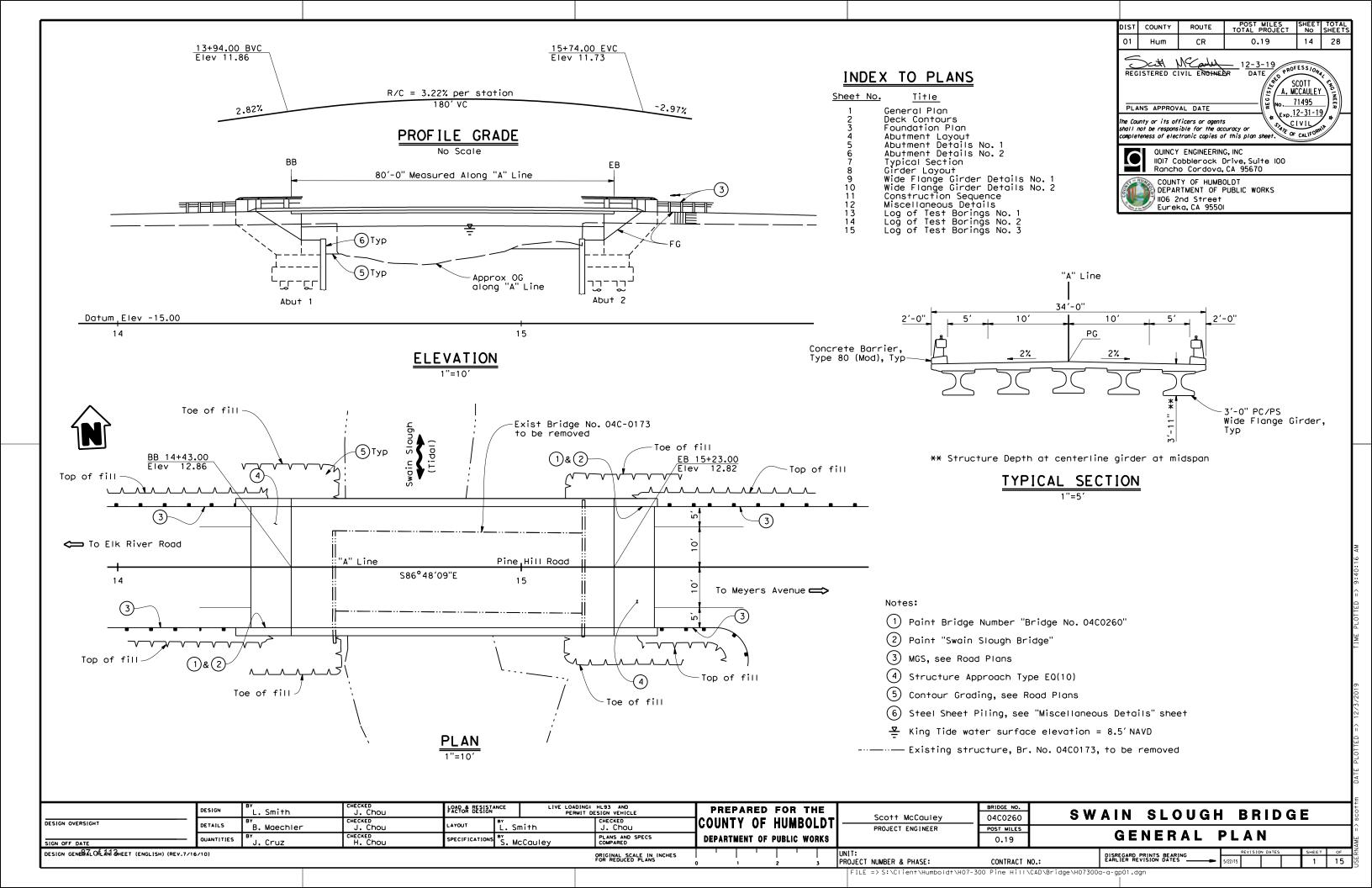
| | FROM | | | ТО | | TRANSITION RAILING (TYPE WB-31) | ALTERNATIVE IN LINE TERMINAL SYSTEM | SHORT RADIUS GUARDRAIL SYSTEM | CT MARKER E P) |
|------|----------|-----------|------|----------|-----------|------------------------------------|--|----------------------------------|-------------------|
| LINE | FROM | OFFSET | LINE | то | OFFSET | TRAN (TYP | | SHOR | OBJEC (TYPE |
| | | | | | | EΑ | EΑ | EΑ | EΑ |
| "A" | 13+78.25 | 15.00' L+ | "A" | 14+28.25 | 15.00' L+ | 1 | 1 | | 1 |
| "A" | 13+78.25 | 15.00' R+ | "A" | 14+28.25 | 15.00' R+ | 1 | 1 | | 1 |
| "A" | 15+37.75 | 15.00′ L† | "A" | 15+87.75 | 15.00' L† | 1 | 1 | | 1 |
| "A" | 15+33.75 | 15.00' Rt | "A" | 15+44.51 | 34.03′ R+ | | | 1 | 1 |
| | | TO | ΓAL | | | 3 | 3 | 1 | 4 |

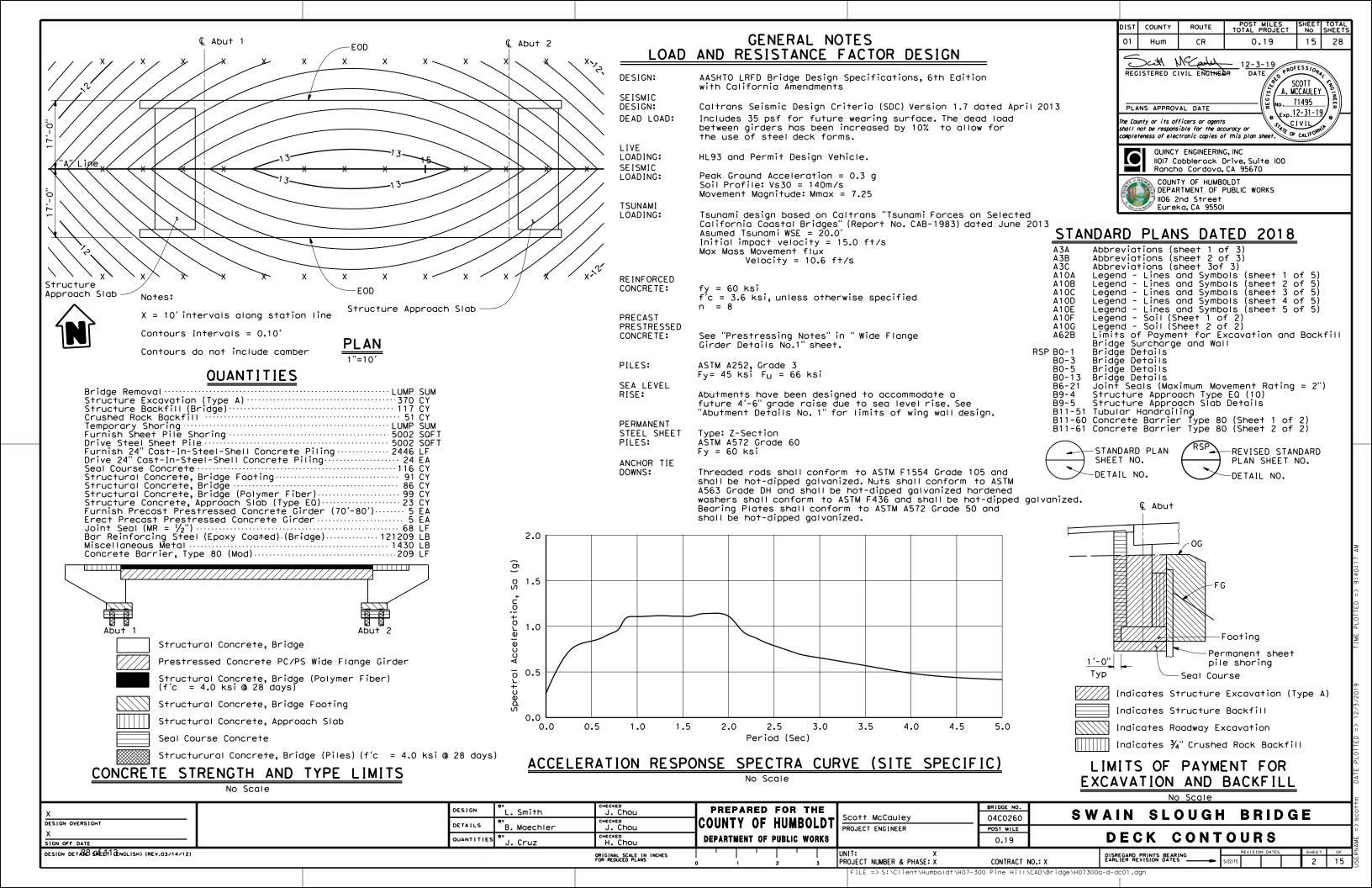
EROSION CONTROL

| | | FIVO210 | 1 0011 | INOL | | | |
|-------|-------------|-------------|--------|--|----------------|---------------------------------------|------------------|
| LINE | FROM | ТО | LT/RT | SOLLED EROSION SONTROL PRODUCT (BLANKET) | S HYDROSEED | TEMPORARY HIGH-VISIBILITY FENCE | 디 FIBER ROLLS |
| "A" | 11+93.00 | 14+43.00 BB | LT | 4463 | 4463 | 271 | 262 |
| "A" | 11+93.00 | 14+43.00 BB | RT | 4282 | 4282 | 273 | 259 |
| "A" | 14+43.00 BB | 17+48.00 | LT | 1015 | 1015 | 196 | 184 |
| "A" | 14+43.00 BB | 17+48.00 | RT | 681 | 681 | 244 | 221 |
| TOTAL | | | | 10441 | 10441 | 984 | 926 |

PAVEMENT DELINEATION

| | FROM | | ТО | | | | THERMOPLASTIC TRAFFIC STRIPE | | | |
|------|----------|--------|------|----------|--------|--------|---------------------------------|-----------|--------|--|
| LINE | STATION | OFFSET | LINE | STATION | OFFSET | DETAIL | 4" WHITE | 4" YELLOW | TYPE D | |
| LINE | STATION | 011361 | LINE | STATION | 011361 | No. | FT | FT | | |
| "A" | 11+93.00 | | "A" | 17+48.00 | | 22 | | 1110 | 48 | |
| "A" | 11+93.00 | RT | "A" | 17+48.00 | RT | 27B | 555 | | | |
| "A" | 11+93.00 | LT | "A" | 17+48.00 | LT | 27B | 555 | | | |
| | SUBTOTAL | | | | | | 1110 | 1110 | | |
| | | | | | | 22 | 20 | 48 | | |





LOAD AND RESISTANCE FACTOR DESIGN PILE DATA TABLE

| LOCATION | DILE TYPE | NOMINAL RESISTANCE (kips) | | DESIGN TIP | SPECIFIED TIP | NOMINAL DRIVING | |
|----------|--------------|------------------------------|---------|-----------------------------|---------------|--------------------|--|
| LOCATION | PILE TYPE | COMPRESSION | TENSION | ELEVATION | ELEVATION | RESISTANCE kips | |
| Abut 1 | CISS 24×0.75 | 360 | N/A | -120.0(a); -35.0(b); -55(c) | -120.0 | 460 | |
| Abut 2 | CISS 24×0.75 | 360 | N/A | -85.0(a); -35.0(b); -55(c) | -85.0 | 410 | |

(1) Design Tip Elevation is controlled by the following demands:

No. | NORTHING

CP1 2164937.002

The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

(a) Compression, (b) Tension, (c) Lateral Load

(2) Do not raise the tip elevation

SCOUR DATA TABLE

| SUPPORT No. | LONG TERM (DEGRADATION AND CONTRACTION) SCOUR ELEVATION (f+) | SHORT TERM (LOCAL) SCOUR DEPTH (ft) |
|-------------|--|--|
| Abut 1 | -1.1 | 8.2 |
| Abut 2 | -1.1 | 8.6 |

COUNTY 01 Hum CR 0.19 16 28

REGISTERED CIVIL ENGINEER SCOTT A. MCCAULEY 71495 PLANS APPROVAL DATE Exp. 12-31-19 The County or its officers or agents shall not be responsible for the accuracy or CIVIL OF CALIFOR mpleteness of electronic copies of this plan sheet

QUINCY ENGINEERING, INC IIO17 Cobblerock Drive, Suite IOO Rancho Cordova, CA 95670

Indicates existing 12" Waterline

Indicates survey control point

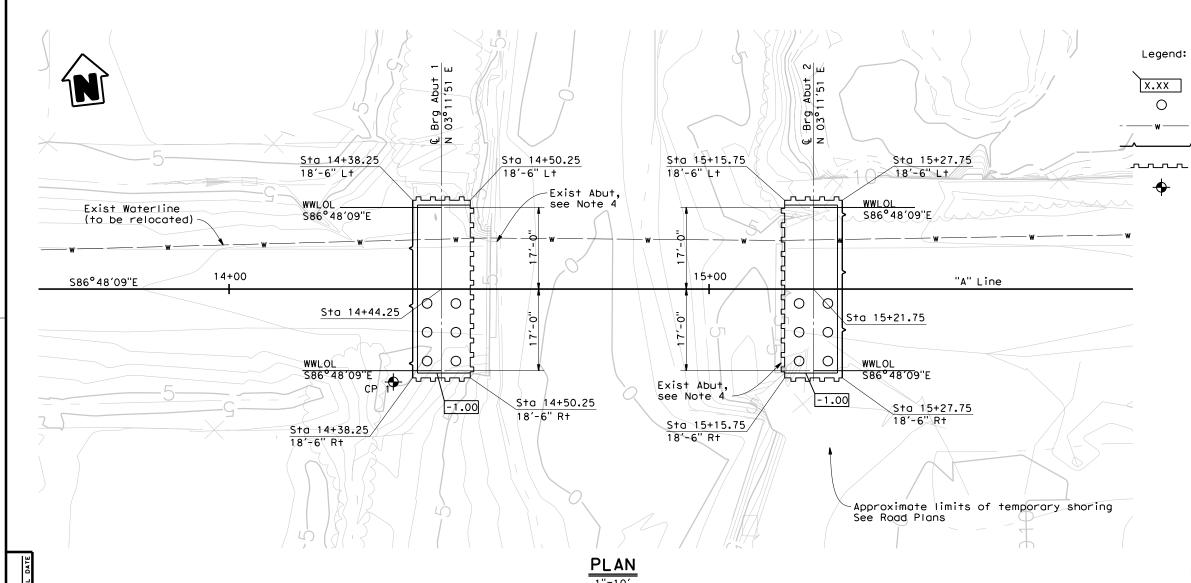
Indicates Temporary Shoring

Indicates bottom of footing elevation

Indicates Steel Sheet Piling, see Note 2

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS 1106 2nd Street

Indicates driven vertical pile, not all piles shown



SURVEY CONTROL DATA

STATION

14+34.23

18+35.19

OFFSET

19.36' Rt

0.88' R+

LINE

"A"

"A"

"A"

"A"

EASTING | ELEV

5957031.194 10.172

CP2 2165008.312 5956085.236 9.142

CP4 2164947.122 5957432.660 9.366

CP5 2165073.438 5957926.179 8.956

Notes:

- 1. Seal course not shown.
- 2. For permanent sheet pile shoring specified tip elevation and details, see "Miscellaneous Details" sheet.
- 3. For Utility information, see Road Plans.
- 4. Existing abutment locations shown are approximate. Contractor shall field verify actual abutment locations prior to constructing sheet pile and notify Engineer of potential conflict.

HYDROLOGIC SUMMARY

Drainage area: 5.5 Square Miles

| | Design <u>Flood</u> | Base Flood |
|-----------------------------------|------------------------|---------------|
| Frequency (years) | 50 | 100 |
| Discharge (cubic feet per second) | 2200 | 2490 |
| Water Surface Elev at Bridge (ft) | 11.5 | 12.1 |

Flood plain data based upon information available when the plans were prepared and are shown to meet Federal requirments. The accuracy of said information is not warranted by the County and interested or affected parties should made their own investigations.

| V | SCALE: As s | hown VERT.DATUM NAV |) 1988 н | DRZ.DATUM CCS 83 Zone 1 | DESIGN | L. Smith | J. Chou | PREPARED FOR THE | | BRIDGE NO. | e v | WAIN SLOUGH | BRIDG | · E | |
|---|-----------------|---------------------|--------------|---------------------------|------------|----------|---|-------------------------|---------------------------|------------|-------|--|----------------|----------|----|
| A DESIGN OVERSIGHT | PHOTOGRAMME T | RY AS OF: 08/2012 | ALIGNMENT TI | ES See Survey County Data | | BY | CHECKED | COUNTY OF HUMBOLDT | Scott McCauley | 04C0260 | 3 V | WAIN SLOUGH | DRIDG | <u> </u> | |
| | SURVEYED E | County | DRAFTED | BY County | DETAILS | L. Smith | J. Chou | | PROJECT ENGINEER | POST MILE | | FOUNDATION | DLAN | | |
| SIGN OFF DATE | FIELD CHECKED E | County | CHECKED | BY County | OUANTITIES | J. Cruz | H. Chou | PUBLIC WORKS DEPARTMENT | | 0.19 | | FOUNDATION | PLAN | | |
| FOUNDATION &PARTSHEES (ENGLISH) (REV.03 | 3/14/12) | | | | | | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS | | UNIT: X | | 1 | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATE: | SHEET | OF |
| | | | | | | | FOR REDUCED PLANS | 0 1 2 3 | PROJECT NUMBER & PHASE: X | CONTRACT N | o.: x | EARLIER REVISION DATES | 5/22/15 | 3 | 15 |

DESCRIPTION

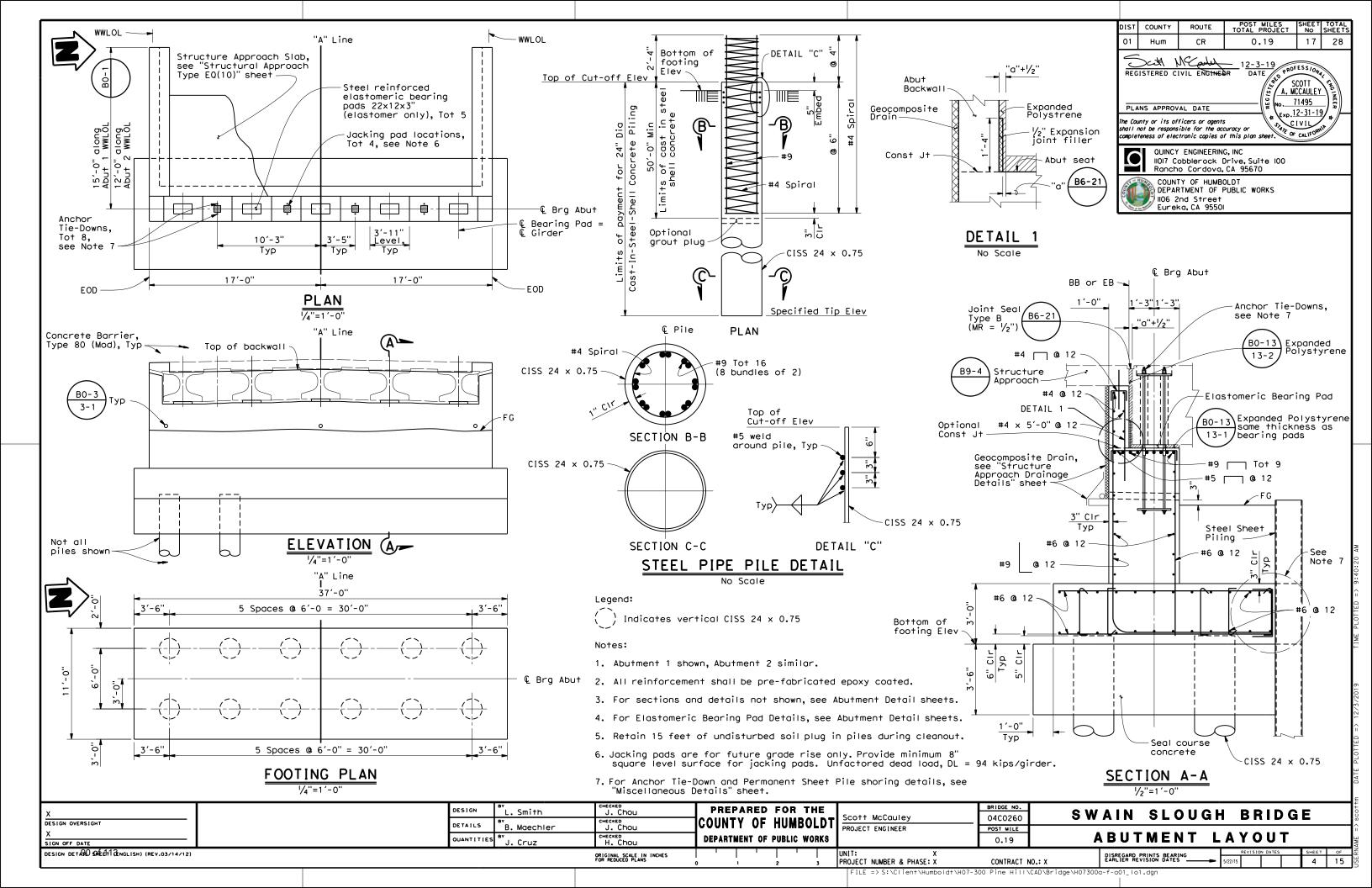
SET80DSPIKE

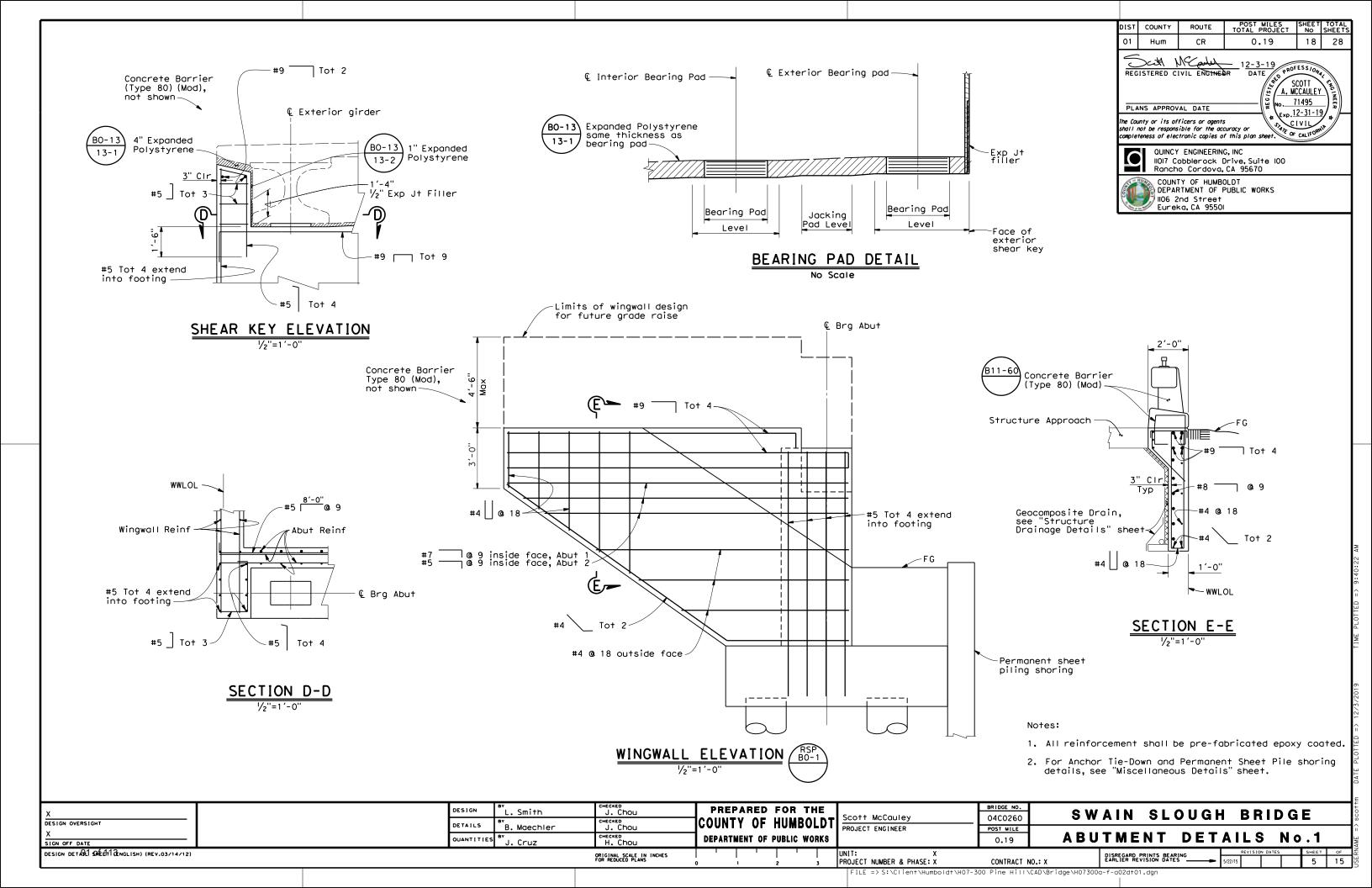
BRASSCAPHUMCORE 19203

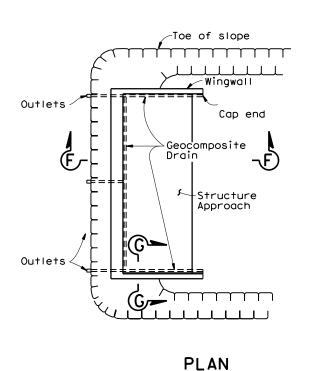
SETMAGNAIL&DPWTAG

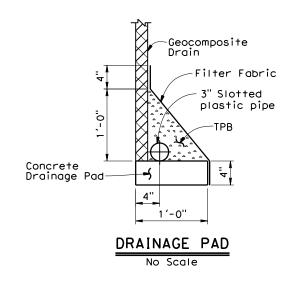
FD1510

| FILE => S:\Client\Humboldt\H07-300 Pine Hill\CAD\Bridge\H07300a-e-fpl01.dgn









BB or EB

Geocomposite
Drain

Cap end

3" slotted
plastic pipe

Concrete
Drainage Pad

3" Slotted plastic pipe

See "Drainage Pad" detail

No Scale

Geocomposite Drain

Drainage Pad, see
"Drainage Pad" detail

NOTE: TPB not shown for clarity.

SECTION F-F

No Scale

SECTION G-G

COUNTY 01 Hum CR 0.19 19 28 REGISTERED CIVIL ENGINEER SCOTT A. MCCAULEY 71495 PLANS APPROVAL DATE Exp. 12-31-19 The County or its officers or agents shall not be responsible for the accuracy or CIVIL TATE OF CALIFOR mpleteness of electronic copies of this plan sheet QUINCY ENGINEERING, INC IIO17 Cobblerock Drive, Suite IOO Rancho Cordova, CA 95670 COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS 106 2nd Street

Bond to

Drain

Geocomposite

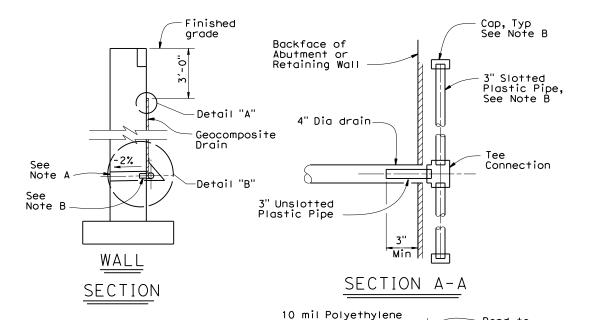
Level or sloped

toward wall

Cement Treated

Permeable Base

DETAIL "B'



ALTERNATIVE DRAINAGE DETAILS WEEP HOLE AND GEOCOMPOSITE DRAIN

1'-0"

Notes:

DETAIL "A"

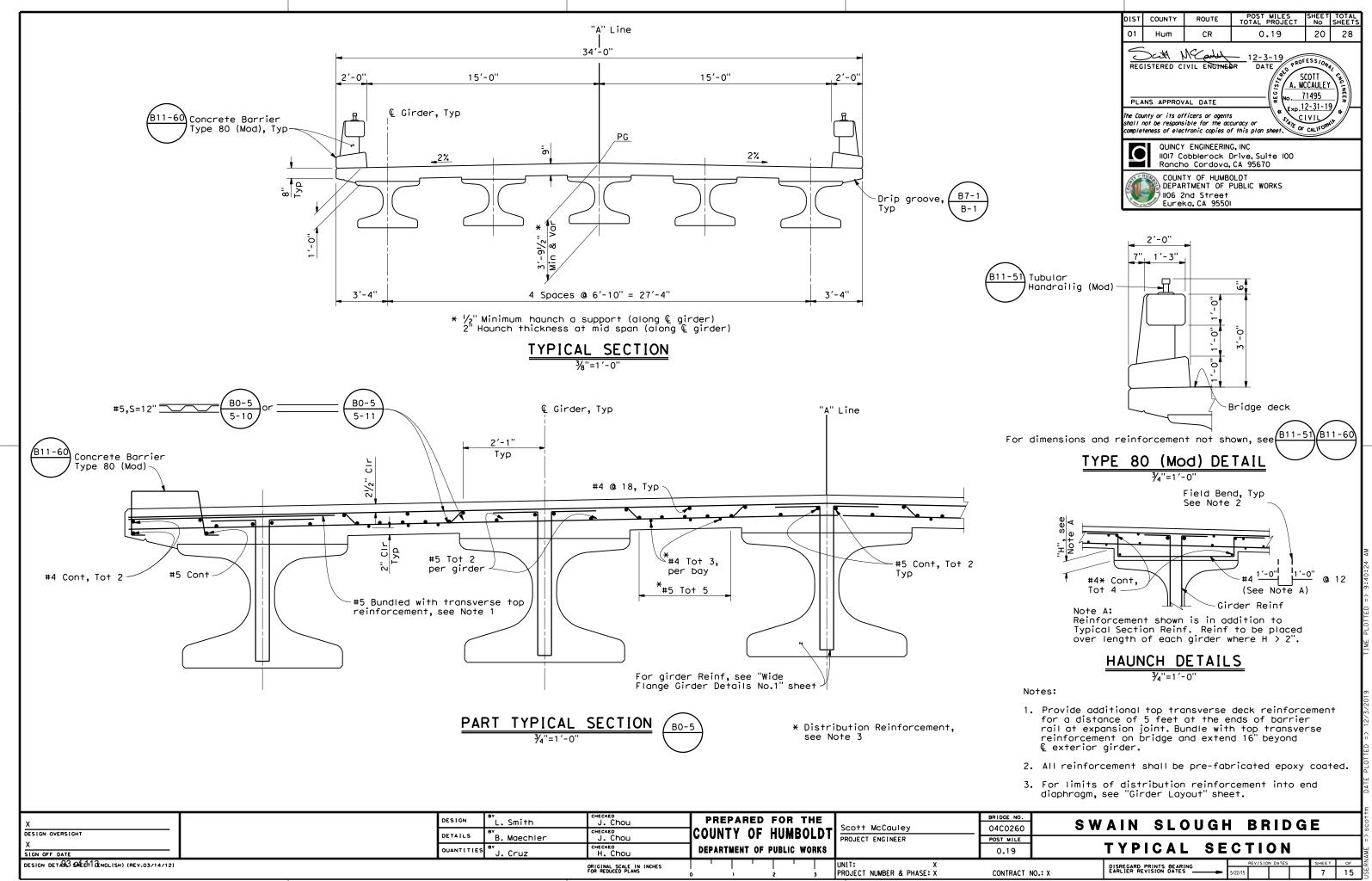
- A. 4" Dia drains at intermediate sag points and at 25' max center to center. Exposed wall drains shall be located 3"± above finished grade.
- B. Geocomposite drain, cement treated permeable base, and 3" Dia slotted plastic pipe continuous behind retaining wall or abutment. Cap ends of pipe. Provide "Tee" connection at each 4" Dia drain.
- C. Connect the low end of plastic pipe to the main outlet pipe as applicable.

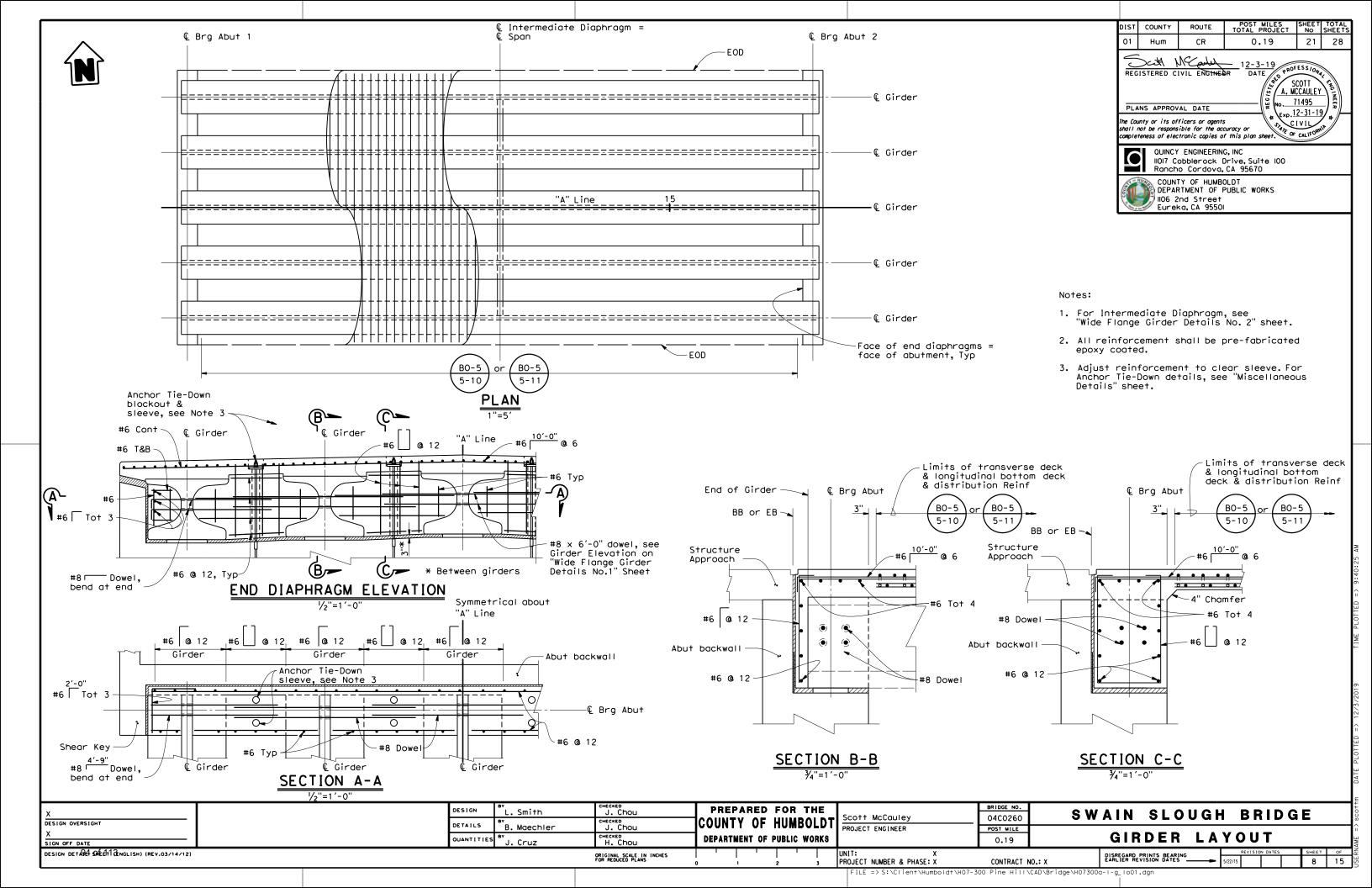
PREPARED FOR THE BRIDGE NO. J. Chou DESIGN L. Smith SWAIN SLOUGH BRIDGE Scott McCauley 04C0260 COUNTY OF HUMBOLDT DESIGN OVERSIGHT J. Chou DETAILS B. Maechler PROJECT ENGINEER POST MILE ABUTMENT DETAILS No.2 DEPARTMENT OF PUBLIC WORKS H. Chou OUANTITIES 0.19 J. Cruz SIGN OFF DATE DESIGN DETA92 SOFEETT RENGLISH) (REV.03/14/12) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS DISREGARD PRINTS BEARING EARLIER REVISION DATES PROJECT NUMBER & PHASE: X CONTRACT NO.: X

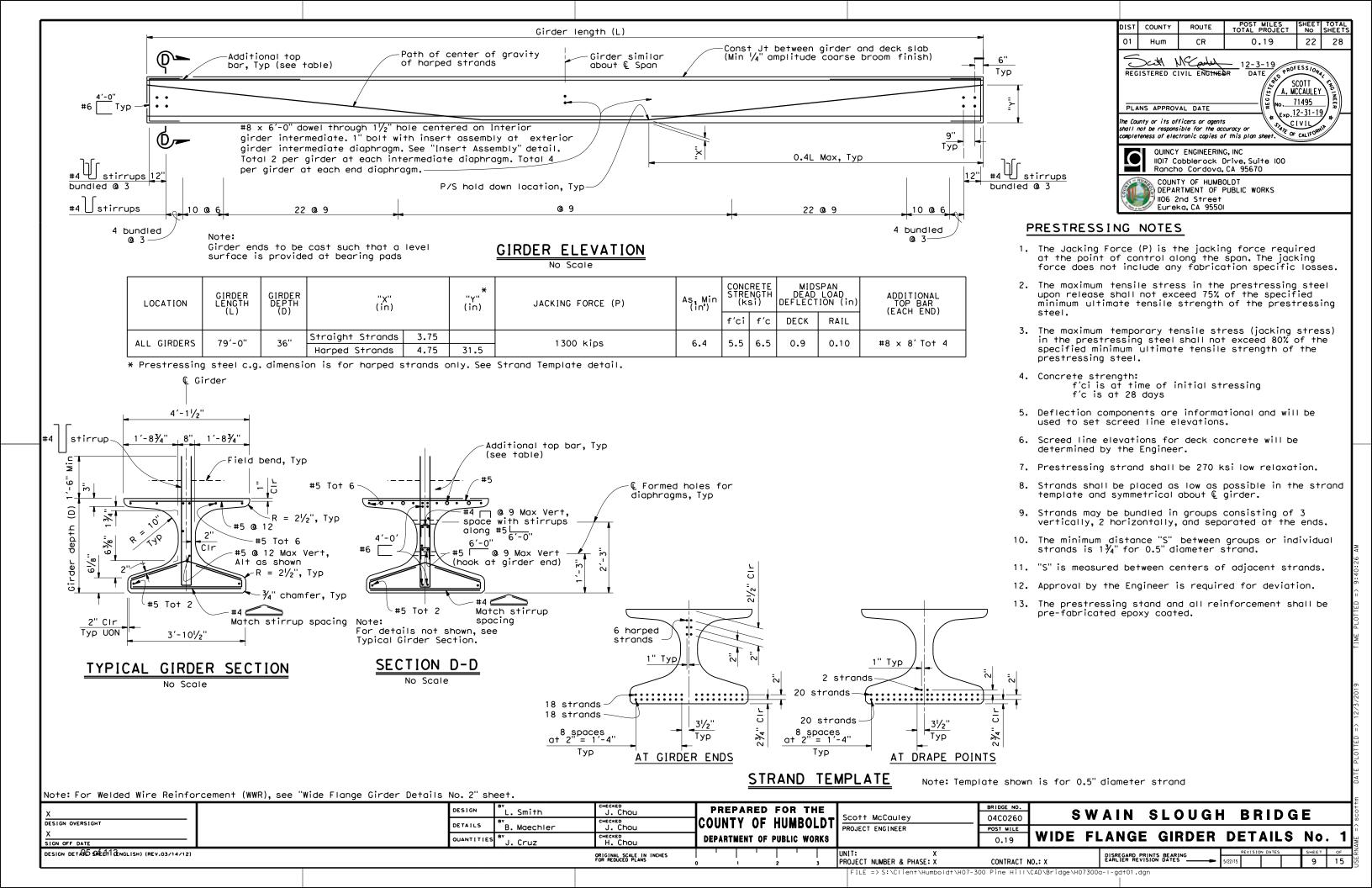
Filter Fabric

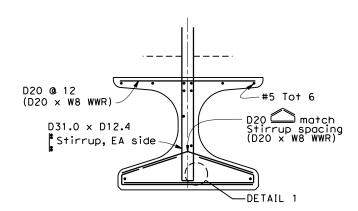
Bond 6" to wall. Cut hole for 3" pipe

wrap around







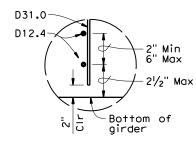


Notes:

- 1. For details shown but not noted, see "Typical Girder Section" detail.
- 2. W8 WWR not shown.

WELDED WIRE REINFORCEMENT (WWR) ALTERNATIVE

No Scale

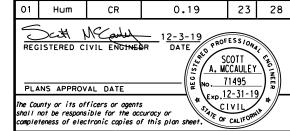


Notes:

- 1. Bottom of stirrup WWR detail shown, top similar.
- 2. Longitudinal wire area shall be 40% or greater of vertical deformed wire's area.



#5 0 12



COUNTY

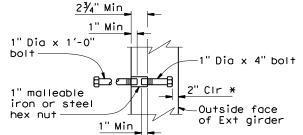
QUINCY ENGINEERING, INC 11017 Cobblerock Drive, Suite 100 Rancho Cordova, CA 95670



COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS 106 2nd Street

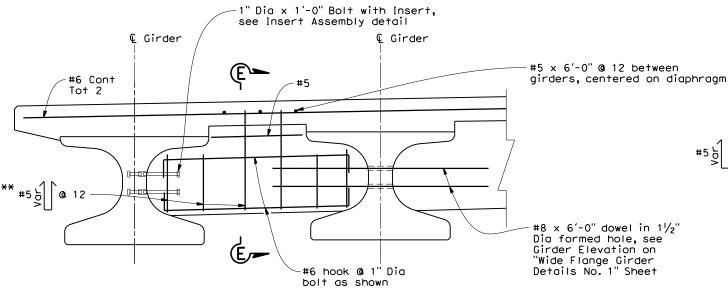
Note:

1) All reinforcement shall be pre-fabricated epoxy coated.



* Dimension may be increased when insert assembly is used at end block

INSERT ASSEMBLY



INTERMEDIATE DIAPHRAGM

 $\#8 \times 6'-0$ " dowel in $1\frac{1}{2}$ " Dia formed hole, see Girder Elevation on "Wide Flange Girder Details No. 1" Sheet

> Hooks inward below girder top flange

SECTION E-E

8''

Cir

Diaphragm may be vertical or normal to deck grade

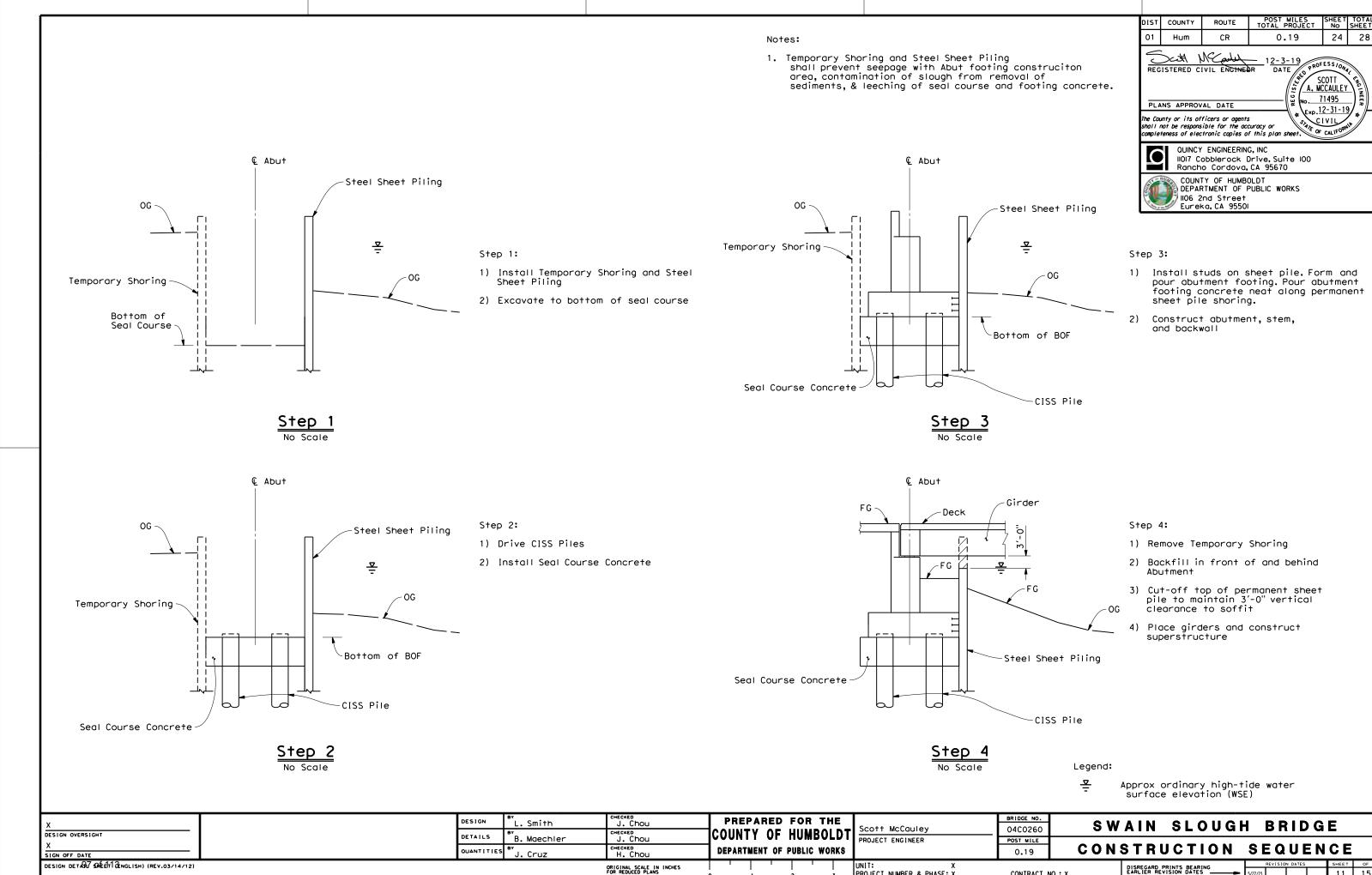
-#6 Cont, Tot 2

between girders hook @ 1" Dia bolt

4" fillet, Typ

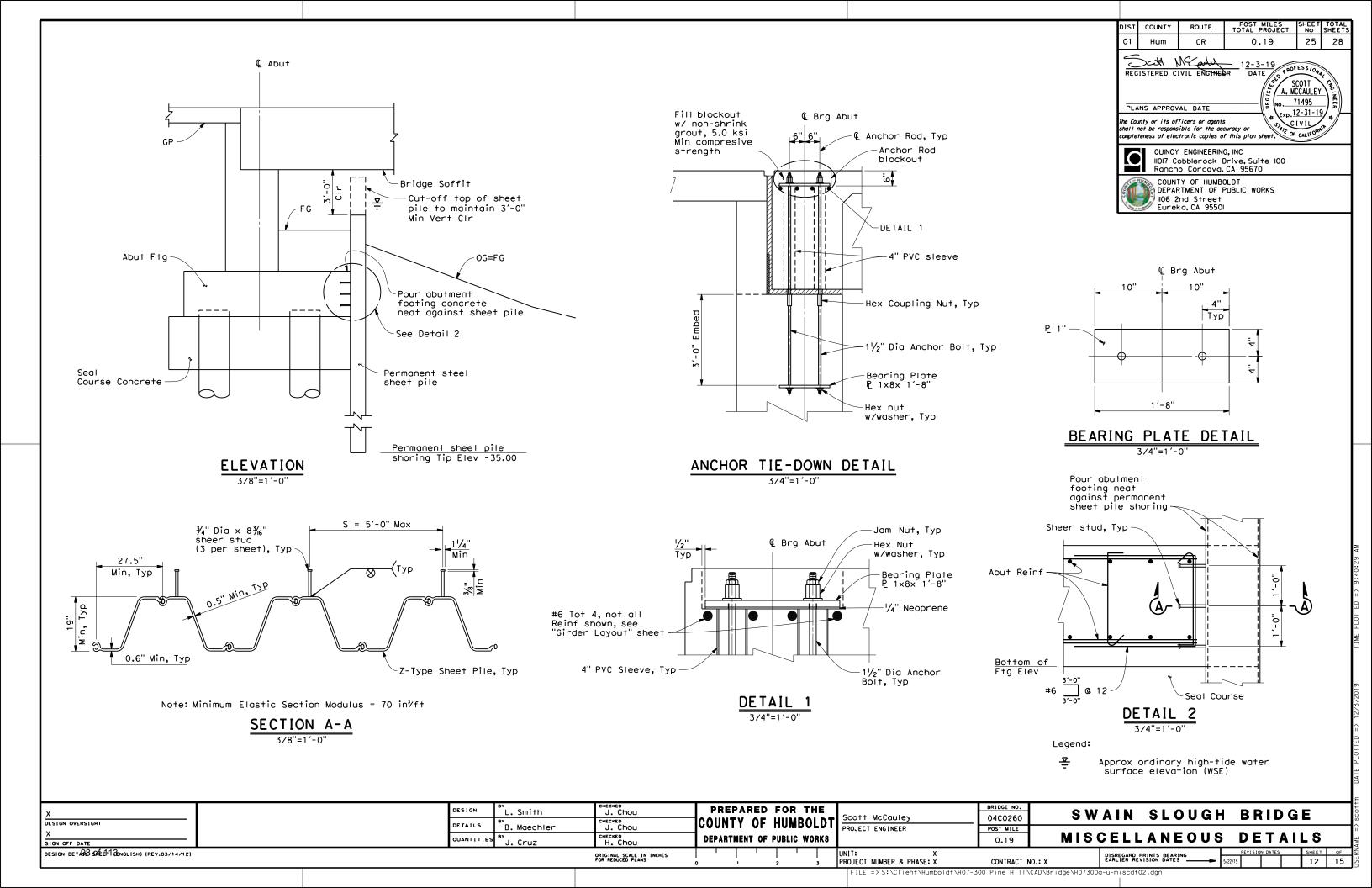
J. Chou PREPARED FOR THE BRIDGE NO. DESIGN L. Smith SWAIN SLOUGH BRIDGE Scott McCauley 04C0260 COUNTY OF HUMBOLDT DESIGN OVERSIGHT J. Chou DETAILS B. Maechler PROJECT ENGINEER POST MILE WIDE FLANGE GIRDER DETAILS No. DEPARTMENT OF PUBLIC WORKS OUANTITIES H. Chou 0.19 J. Cruz SIGN OFF DATE DESIGN DETA DE SONEELT DENGLISH) (REV.03/14/12) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS DISREGARD PRINTS BEARING EARLIER REVISION DATES PROJECT NUMBER & PHASE: X CONTRACT NO.: X

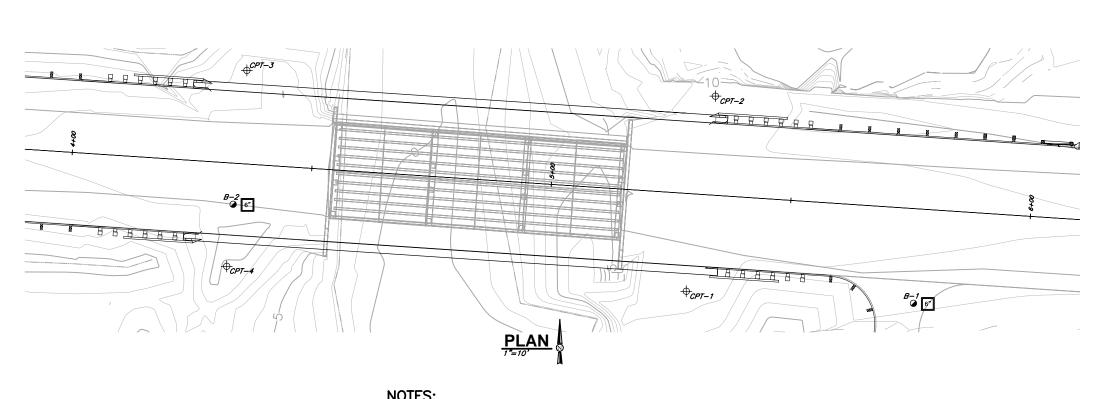
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CONTRACT NO.: X

PROJECT NUMBER & PHASE: X





DIST COUNTY ROUTE POST MILES SHEET TOTAL PROJECT No SHEET TOTAL PROJECT 26 28

CERTIFIED ENGINEERING GEOLOGIST

PLANS APPROVAL DATE

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SHN CONSULTING ENGINEERS & GEOLOGISTS, INC. 812 W WABASH

EUREKA, CA 95501

FILE No. 012163

Gary Simpson

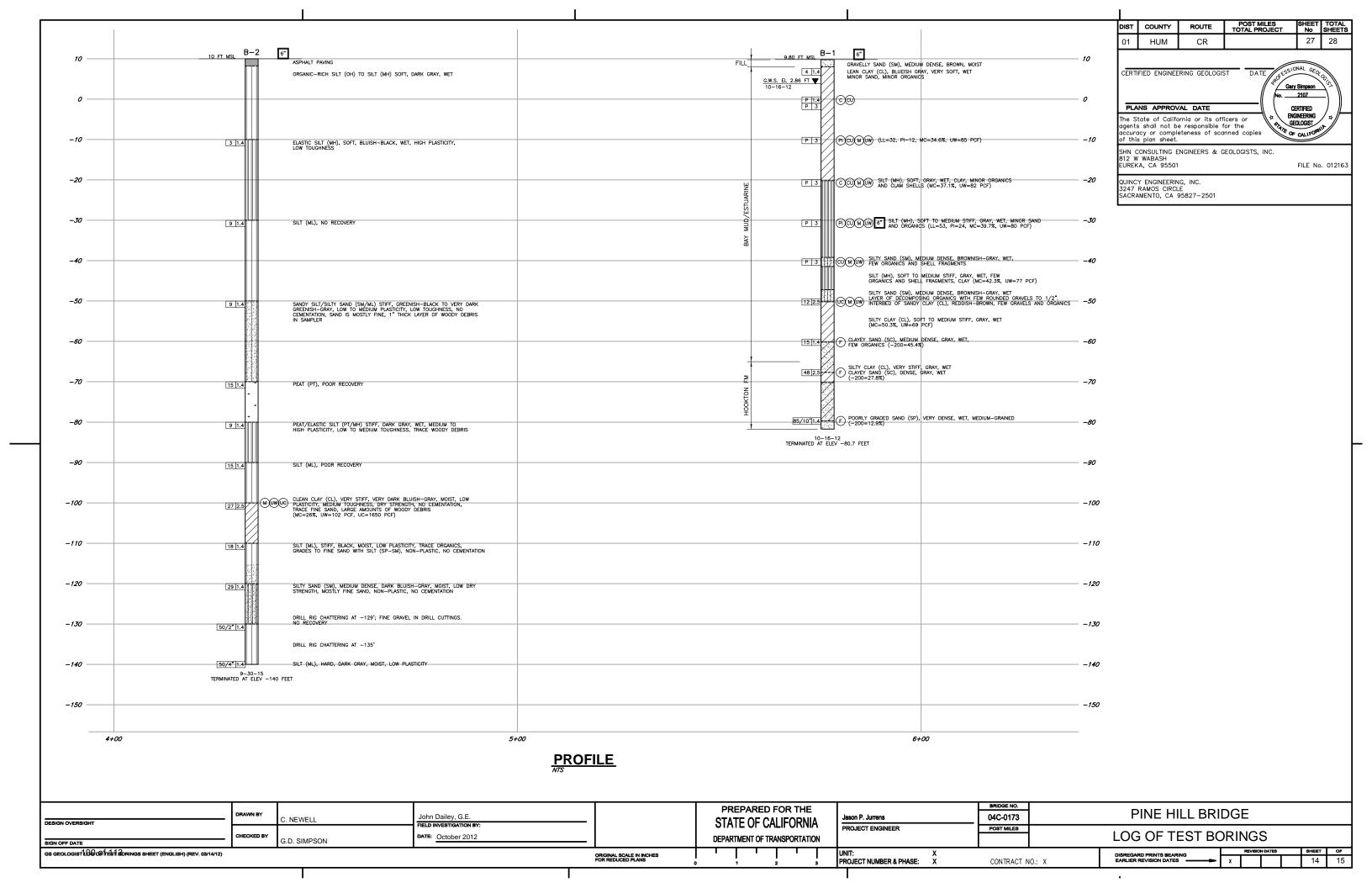
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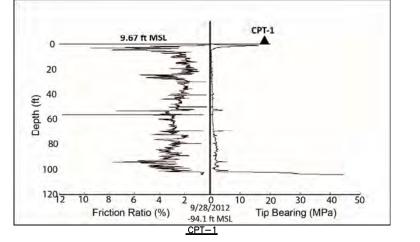
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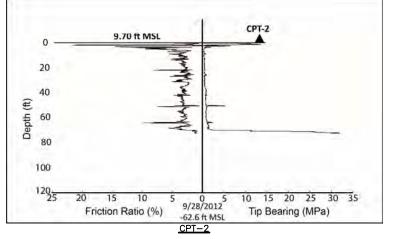
QUINCY ENGINEERING, INC. 3247 RAMOS CIRCLE SACRAMENTO, CA 95827—2501

- 1. THIS LOTB SHEET WAS PREPARED IN ACCORDANCE WITH THE "CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL" (2010).
- 2. FIELD CLASSIFICATION OF SOILS WAS IN ACCORDANCE WITH ASTM D2488-06 "DESCRIPTION AND IDENTIFICATION OF SOILS (VISUAL-MANUAL PROCEDURE).
- 3. STANDARD PENETRATION TESTS WERE COMPLETED IN ACCORDANCE WITH ASTM D 1586-11 USING A HAMMER WITH AN AUTOMATED DROP SYSTEM. DRILL RODS WERE 1 5/8-INCH DIAMETER "A" RODS; 1.4-INCH INSIDE DIAMETER SPLIT SPOON SAMPLER WAS DRIVEN WITHOUT BRASS LINERS.
- 4. 2.5-INCH INSIDE DIAMETER MODIFIED CALIFORNIA SAMPLER WAS DRIVEN IN THE SAME MANNER AS SPT, BUT WITH BRASS LINERS.
- 5. 3.0-INCH SHELBY TUBE WAS PUSHED INTO SOFT SOILS.
- 6. THE LENGTH OF EACH SAMPLES INTERVAL IS SHOWN GRAPHICALLY ON THE BORING LOG. WHOLE NUMBER BLOW COUNTS ("N") REPRESENT THE "STANDARD PENETRATION RESISTANCE" INTERVAL IN ACCORDANCE WITH ASTM D1586-11. WHERE LESS THAN 1 FOOT OF PENETRATION IS ACHIEVED, THE BLOW COUNT SHOWN IS FOR THAT FRACTION OF THE INTERVAL ACTUALLY PENETRATED AND THE AMOUNT OF PENETRATION IS SHOWN IN INCHES.
- 7. SPT HAMMER ENERGY MEASUREMENTS WERE NOT TAKEN DURING FIELD EXPLORATION.
- 8. GROUNDWATER SURFACE (GWS) ELEVATIONS IN THE BORINGS INDICATED ON THE LOG OF TEST BORINGS SHEETS REFLECT THE FLUID LEVEL IN THE BORING ON THE SPECIFIED DATE.
- 9. SEISMIC CONE PENETRATION TESTING LOGS SHOW SHEAR WAVE VELOCITY IN FEET PER SECOND.
- 10. ELECTRONIC MEDIA FOR PLAN VIEW PROVIDED BY QUINCY ENGINEERING.
- 11. BORING AND CPT ELEVATIONS ESTIMATED FROM TOPOGRAPHY PROVIDED BY QUINCY ENGINEERING.

| SIGN OFF DATE GS GEOLOGIS DOO'F 1E8 BORINGS SHEET (ENGLISH) (REV. 03/14/12) | | G.D. SIMPSON | DATE: October 2012 | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS | | UNIT: X PROJECT NUMBER & PHASE: X | CONTRACT N | LOG OF TEST BO | PRINGS REVISION DATES | SHEET OF |
|--|------------|--------------|-------------------------|---|---|-----------------------------------|------------|----------------|-----------------------|----------|
| DESIGN OVERGIGHT | CHECKED BY | | FIELD INVESTIGATION BY: | | | PROJECT ENGINEER | POST MILES | LOC OF TEST BO | DINICS | |
| DESIGN OVERSIGHT | DRAWN BY | C. NEWELL | John Dailey, G.E. | | PREPARED FOR THE STATE OF CALIFORNIA | Jason P. Jurrens | 94C-0173 | PINE HILL BRII | DGE | |







POST MILES TOTAL PROJECT

HUM

CERTIFIED ENGINEERING GEOLOGIST

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PLANS APPROVAL DATE

QUINCY ENGINEERING, INC. 3247 RAMOS CIRCLE SACRAMENTO, CA 95827—2501

UREKA, CA 95501

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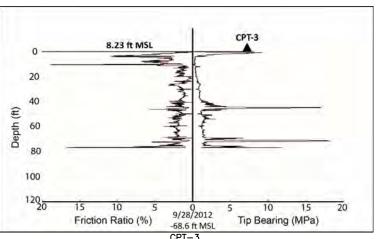
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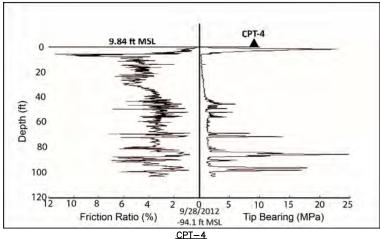
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Gary Simpson

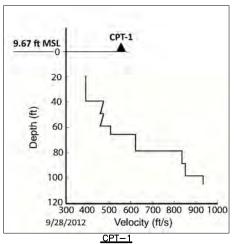
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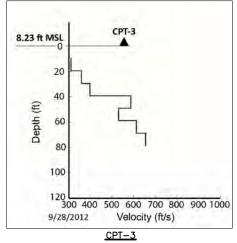
FILE No. 012163





CONE PENETRATION TEST (CPT) BORINGS





SEISMIC CONE PENETRATION BORINGS

| DESIGN OVERSIGHT | DRAWN BY | C. NEWELL | John Dailey, G.E. | | PREPARED FOR THE STATE OF CALIFORNIA | Jason P. Jurrens | BRIDGE NO. 04C-0173 | | PINE HILL BRI | DGE | |
|--|------------|--------------|--------------------|---|---|--------------------------------------|------------------------|-------|--|----------------|--|
| SIGN OFF DATE | CHECKED BY | G.D. SIMPSON | DATE: October 2012 | | DEPARTMENT OF TRANSPORTATION | PROJECT ENGINEER | POST MILES | | LOG OF TEST BO | RINGS | |
| GS GEOLOGIST 1.0d d@fre1s1 BORINGS SHEET (ENGLISH) (REV. 03/14/12) | | | | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS | | UNIT: X PROJECT NUMBER & PHASE: X | CONTRACT N | O.: X | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES | SHEET OF 15 15 |

- THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF EXCAVATION FOR ENTRY/EXIT PITS SHALL BE VERIFIED AS TO CONDITION, SIZE, AND LOCATION BY UNCOVERING. PROVIDED SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION. BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES,
- THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS NOT PROVIDED BY OWNER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 THE CONTRACTOR SHALL PROVIDE TO THE OWNER A COPY OF THE TRENCH PERMIT FROM THE
- CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE EXCAVATION OF ANY TRENCH OVER 5 FEET
- IN DEPTH.

 CONTRACTOR SHALL PERFORM TRENCH WORK IN CONFORMANCE WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS AND SHALL CONFORM TO ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH STANDARDS, RULES, REGULATIONS, AND ORDERS ESTABLISHED BY THE STATE OF CALIFORNIA AND OTHER APPLICABLE AGENCIES.
- CALIFORNIA AND OTHER APPLICASE A GENCIES.

 CONTRACTOR AGRESS THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES,
 GENERAL CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS
 DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND
 PROPERTY, ALL WORK AND EQUIMENTS SHALL COMPLY WITH THE CALIFORNIA DIVISION OF INDUSTRIAL
 SAFETY REQUIREMENTS. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING FOURS, CONTRACTOR FURTHER AGREES TO HOLD HARMLESS.
- LIBRITED TO MORRING WOMING TOWNER, THE ENGINEER AND HIS/HER CONSULTANTS.

 THE CONTRACTOR SHALL INDEPEDENTLY REVIEW GROUND, TOPOGRAPHY, AND TREE CONDITIONS
 THROUGHOUT THE SITE, AND ASSUME THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS,
 REGARDLESS OF ROCK, WATER TABLE, OR OTHER CONDITIONS THAT MAY BE ENCOUNTERED IN THE COURSE OF THE WORK.
- ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS. OR ANY FIELD CONDITIONS ANT DISCOPERACT DISCOVERED BY THE CONTRACTOR IN FIRSE PUBLY, OR ANY FIELD CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK SHOWN HEREIN, SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY UPON DISCOVERY, SAID NOTIFICATION SHALL BE IN WRITING.
- ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED TESTED AND APPROVED PRIOR TO PAVING. THE CONTRACTOR SHALL NOT BEGIN EXCAVATING UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) TWO WORKING DAYS BEFORE DIGGING AT 1800) 227-260 F OR ICATES.

 GRADING AND CONSTRUCTION CONTRACTORS SHALL STOP WORK AND NOTIFY THE OWNER AND THE
- ENGINEER IF CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE THE INSPECTOR 48 HOURS ADVANCE NOTICE OF ANY CONSTRUCTION OR
- REQUIRED TESTING.

 SHOULD THE CONTRACTOR OR ANY OF HIS AGENTS OR EMPLOYEES ENCOUNTER OR DISCOVER MATERIALS THAT APPEAR TO BE HAZARDOUS DURING THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY AND SUSPEND WORK IN THE AFFECTED AREA UNTIL THE ENGINEER HAS INSPECTED THE LOCATION AND MATERIALS IN QUESTION, SHOULD IT BE NECESSARY TO UNDERTAKE REMIDIATION, THE ENGINEER WILL GIVE WRITTEN NOTICE TO SUSPEND WORK IN THE AFFECTED AREA UNTIL THE PROPER COURSE OF ACTION HAS BEEN DETERMINED. PPERATIONS IN THE AFFECTED AREA SHALL BE RESUMED ONLY UPON WRITTEN NOTICE BY THI ALL SITE GRADING WILL BE INSPECTED BY THE ENGINEER. COMPACTION TESTING WILL BE CONDUCTED
- IN EACH LIFT AFTER SUFFICIENT DENSITIES HAVE BEEN ACHIEVED IN THE CONTRACTOR'S OPINION. ANY SOILS THAT FAIL TO MEET THE REQUIRED COMPACTION LEVELS SHALL BE REMOVED AND RECOMPACTED ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE
- ACL COSTS ASSOCIATED WITH ACTIVITIES COMPACTION STANDARDS SHALL BE INCLUDED IN THE CONTRACTOR'S ORIGINAL BID. THE ROAD RIGHT OF WAY SHALL BE CL 2 AGGGRATE BASE, ½ INCH MAX, PER CALTRANS SPECIFICATION SECTION 26, 95% RELATIVE COMPACTION. NO CHANGES OR MODIFICATIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY 15.
- THE ENGINEER.
- CONSTRUCTION TO COMPLY WITH TECHNICAL REPORTS COMPLETED FOR THE PROJECT

6" HDPE DR II BY DRILLING CONTRACTOR) (BY DRILLING CONTRACTOR) **ELECTRO FUSION** HDPE WELD ON FLANGE-(BY DRILLING CONTRACTOR) COUPLER (BY DRILLING CONTRACTOR)

1. DRILL CONTRACTOR TO LEAVE FINAL FLANGE DEPTH AT 4'±

2.FINAL TIE-IN TO BE DONE BY HCSD FORCES AT A LATER DATE

END OF PIPELINE DETAIL
TYPICAL BOTH ENDS
(BY DRILL CONTRACTOR)

PROJECT SPECIFIC NOTES

- 1. THE CONTRACTORS ARE ENCOURAGED TO FAMILIARIZE THEMSELVES WITH THE PERMITS AND AGREEMENTS BY OVERSIGHT AGENCIES, THE SPECIAL CONDITIONS OF APPROVAL AND REQUIREMENTS FOR EXECUTION OF THE WORK AS DESCRIBED IN THESE DOCUMENTS:
- A. HUMBOLDT COUNTY ENCROACHMENT PERMIT B. HDD FRAC-OUT CONTINGENCY PLAN
- 2. THESE NOTES DO NOT ATTEMPT TO REITERATE ALL REQUIREMENTS OF THE DOCUMENTS MENTIONED ABOVE. THE CONTRACTOR SELECTED TO PERFORM THE WORK OF THIS HORIZONTAL DIRECTIONAL DRILL PROJECT SHALL BE RESPONSIBLE FOR CONFORMING TO THE REQUIREMENTS AND SPECIAL CONDITIONS OF THE DOCUMENTS MENTIONED ABOVE, AND FOR PERFORMING THE WORK AS SHOWN ON THE PLANS AS SPECIFIED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. IN THE CASE OF A CONFLICT OR CONTRADICTION, ADVISE THE ENGINEER AND OWNER BEFORE PROCEEDING.
- 3. THE CONTRACTOR SELECTED TO PERFORM THE HDD PROJECT SHALL HAVE A CALIFORNIA CSIB C-34 PIPELINE OR A-GENERAL ENGINEERING CLASSIFICATION, AND SHALL PROVIDE A COPY OF THE LICENSE TO
- THE OWNER BEFORE COMMENCEMENT OF DRILLING ACTIVITIES.

 4. THE CONTRACTOR SHALL HAVE COPIES OF AGREEMENTS AND PERMITS FROM ALL OVERSIGHT AGENCIES ONSITE THROUGHOUT CONSTRUCTION AND SHALL MAKE SAID DOCUMENTS AVAILABLE TO AGENCY PERSONNEL UPON REQUEST.
- 5. TEMPORARY FENCING SHALL BE PLACED AROUND THE CONSTRUCTION AREA PERIMETER AS NEEDED.

 6. EXCAVATED SOIL SHALL NOT BE PLACED OR STORED WHERE IT MAY BE SUBJECT TO ENTERING DRAINAGE FACILITIES, ALL ONSITE STOCKPILES OF SOIL AND CONSTRUCTION MATERIALS SHALL BE CONTAINED AT ALL TIMES TO MINIMIZE THE DISCHARGE OF SEDIMENT OR OTHER POLLUTANTS.
- 7. THE CONTRACTOR SHALL IMPLEMENT CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP'S) AND AVOIDANCE AND MINIMIZATION MEASURES DURING CONSTRUCTION AS DESCRIBED IN THE HUMBOLDT COUNTY ENCROACHMENT PERMIT. BMP'S SHALL BE IMMEDIATELY AVAILABLE FOR DEPLOYMENT AT ALL TIMES TO PREVENT DISCHARGES TO WATERS OF THE STATE.
- 8. DURING ALL DRILLING, REAMING, AND PULL-BACK OPERATIONS, A QUALIFIED OBSERVER (SOIL ENGINEER OR BIOLOGICAL MONITOR EXPERIENCED IN MONITORING FOR FRAC-OUTS) SHALL MONITOR THE BORE
- 9. THE CONTRACTOR SHALL IMMEDIATELY STOP CONSTRUCTION OPERATIONS AND IMPLEMENT THE FRAC OUT CONTINGENCY PLAN IN THE EVENT OF ANY DRILLING FLUID RELEASE, IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE RELEASE. DIRECTIONAL DRILLING OPERATIONS SHALL NOTRESUME UNTIL THE FRAC-OUT IS LOCATED, CONTAINED, CLEANED UP, AND APPROVED BY THE ENGINEER. THE HDD MEANS AND METHODS EMPLOYED BY THE CONTRACTOR SHALL BE COMPATIBLE WITH PERTINENT SECTIONS OF THE HORIZONTAL DIRECTIONAL DRILLING: FRAC-OUT CONTINGENCY.
- 10. THE CONTRACTOR SHALL HAVE AVAILABLE ONSITE, AT ALL TIMES, MATERIALS NECESSARY FOR CLEANUP OF DRILLING FLUIDS RELEASE AND PETROCHEMICAL SPILLS, AS DESCRIBED IN THE CONTRACT DOCUMENTS.
- 11. ALL EQUIPMENT USED DURING CONSTRUCTION SHALL BE FREE OF OIL AND FUEL LEAKS. STATIONARY EQUIPMENT SHALL USE DRIP PANS AND OTHER DEVICES TO PREVENT SOIL AND WATER CONTAMINATION BY OIL OR OTHER PETROCHEMICAL PRODUCTS, CONTRACTOR SHALL HAVE "SPILL-KITS" AVAILABLE FOR ALL EQUIPMENT.
- 12. DRILLING CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL SPOILS.

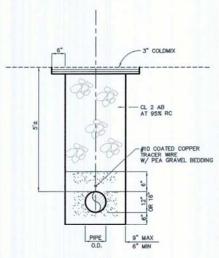
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- ALL ASPHALT CONCRETE SHALL BE IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS ACCOUNTS SECTION 39.

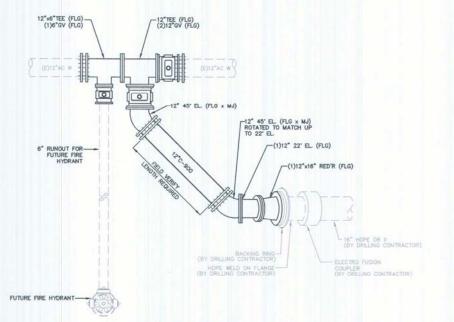
 ASPHALT MATERIAL SHALL BE HMA TYPE A WITH 1/2 INCH AGGREGATE GRADATION. ASPHALT BINDER
- SHALL BE PG64-16.
- ASPHALT CONCRETE SHALL BE INSTALLED AND TESTED ACCORDING TO THE "STANDARD PROCESS" SPECIFIED IN SECTION 39, ACCEPTANCE CRITERIA PER CALTRANS TEST 309.
- SPECIFICAL IN SECTION 3. ACCEPTING PAYEMENT, EXISTING PAYEMENT SHALL BE SAWCUT.

 APPLY TACK COAT TO CONTACT SURFACES OF CURBS, GUTTERS, AND EXISTING PAYEMENT. PLACE
 ASPHALT CONCRETE WITHIN 24 HOURS OF APPLYING PRIMER OR TACK COAT. TACK COAT SHALL BE TYPE
- MAXIMUM COMPACTED LIFT THICKNESS IS 3 INCHES.
- COMPACT PAYEMENT BY ROLLING TO A MINIMUM OF 95% OF MAXIMUM DENSITY, DO NOT DISPLACE OR EXTRUDE PAYEMENT FROM POSITION. HAND COMPACT IN AREAS INACCESSIBLE TO MECHANICAL ROLLING EQUIPMENT, PERFORM ROLLING WITH CONSECUTIVE PASSES TO ACHIEVE SMOOTH FINISH WITHOUT ROLLER MARKS.
- AGGREGATE BASE SHALL MEET THE REQUIREMENTS DESCRIBED IN THE GENERAL COMPACTION SECTION
- AGGIRGUATE BASE STATULAL MEET IT HE REQUIREMENTS IN DESCRIBED THE GENERAL COMPACTION FOR ASTMINISTED OF THESE SPECIFICATIONS, COMPACTED TO 95% RELATIVE COMPACTION FER ASTMINISTS/DESSAS.

 UNLESS OTHERWISE SHOWN ON THESE PLANS, NEW ASPHALT CONCRETE SURFACES AND NEW FINISH GRADE SURFACES SHALL BE INSTALLED SO AS TO MAINTAIN EXISTING SURFACE DRAINAGE PATTERNS.



TYPICAL TRENCH SECTION



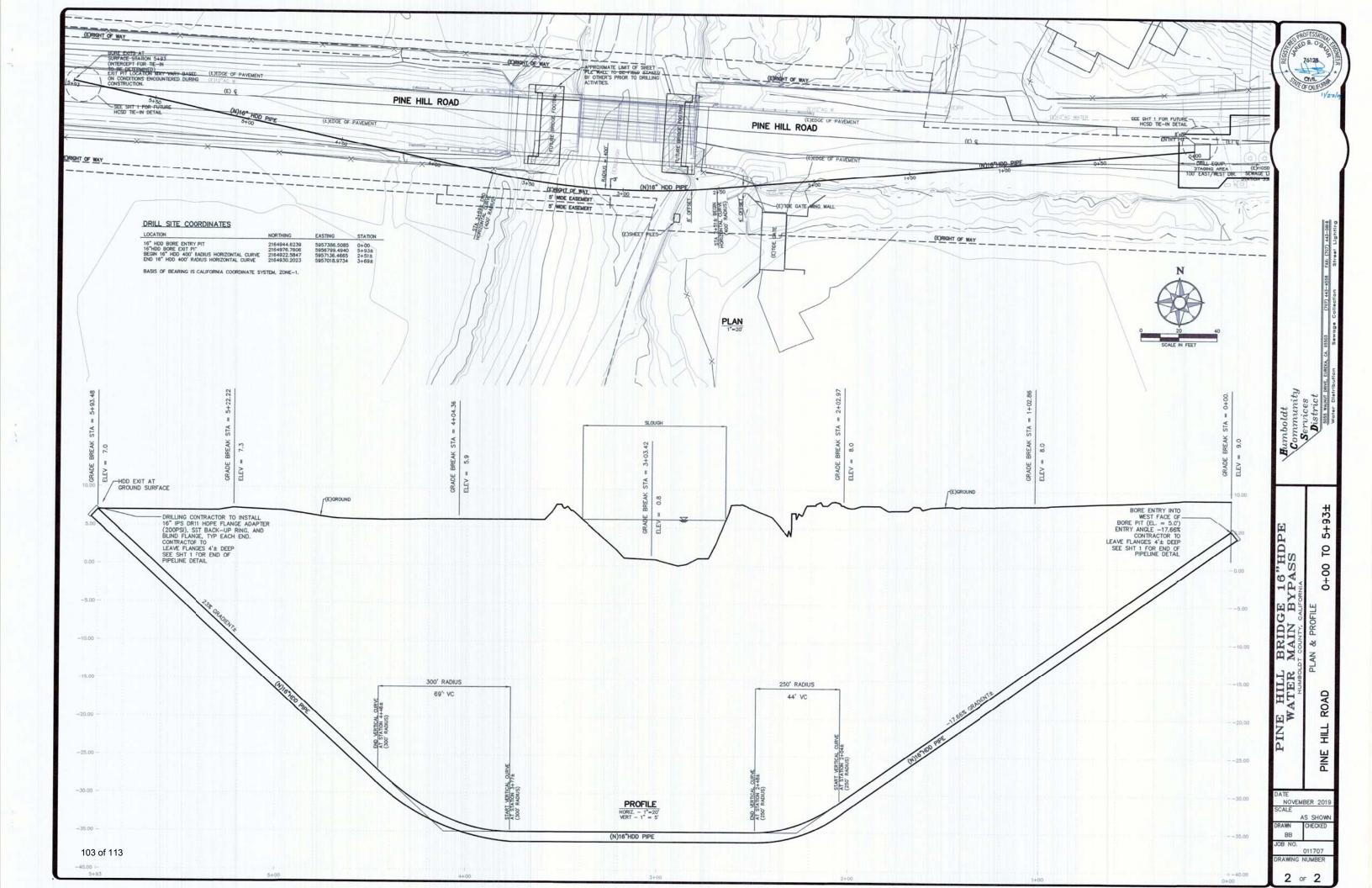
CONNECTION DETAIL TYPICAL BOTH SIDES (BY HCSD FORCES)

76125

Ϊ PINE

NOVEMBER 201 SCALE

BB JOB NO 011707





COUNTY OF HUMBOLDT

DEPARTMENT OF PUBLIC WORKS NATURAL RESOURCES DIVISION

1106 SECOND STREET EUREKA, CA 95501-0579 (707) 445-7741 / FAX (707) 445-7409



Agenda Item 10c.

DATE: May 18, 2016

TO: Engineering Department

FROM: Natural Resources Division

SUBJECT: Pine Hill Road / Swain Slough Bridge Replacement Project; CEQA Determination

Background

The County of Humboldt is planning on replacing the bridge that spans Swain Slough located on Pine Hill Road Post Mile (PM) 0.20 (Bridge No. 4C-0173) just east of Highway 101 and roughly one mile south of the City of Eureka. Pine Hill Road is a Rural Local Road that connects Elk River road with Meyers Avenue and Herrick Road.

The existing bridge was built in 1955, and is structurally deficient and functionally obsolete with a sufficiency rating of 44.6. The County nominated the bridge for replacement under the federal-aid Highway Bridge Program (HBP) administered by the Federal Highway Administration (FHWA) through Caltrans Local Assistance.

The existing bridge is a 63-foot (ft) timber stringer structure with a concrete deck and concrete abutments and was built in 1955. The existing timber stringers are in poor condition as are the concrete support columns; the bridge has been categorized as both structurally deficient and functionally obsolete. The proposed new bridge will be a single-span precast concrete I-girder, and will be slightly longer than the existing bridge to better fit the site conditions. The single-span bridge option will minimize the environmental impacts to the slough as it will not require any supports in the slough channel. The recommended new roadway would consist of two 10-ft lanes and two 5-ft shoulders.

CEQA Determination

Staff has determined that this project fits the definition of a Class 2 Categorical Exemption (CEQA Guidelines, Section 15302) as it involves the replacement of an existing public facility on the same site with the same purpose and capacity as the structure being replaced. Furthermore, this project has been analyzed under both CEQA and NEPA and it has been determined that the project, as designed, will not adversely impact air quality, water quality, historical or cultural resource, or any other environmental area. The project will improve vehicular/pedestrian/bicyclist safety and reduce the potential of accidents and injuries. This project fits within the definition of the Class 2 Categorical Exemption as set forth in CEQA Guidelines, Section 15302. Additionally, staff has determined that none of the exceptions to the Categorical Exemptions set forth in CEQA Guidelines, Section 15300.2, apply. As such, staff has concluded that this Categorical Exemption applies to this project.

Andrew Bundschuh

Senior Environmental Analyst

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 February 27,2020

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

DATE: February 18, 2020

TITLE: Discuss, Review, and Authorize the Executive Director to Execute the Samoa

Peninsula Infrastructure Workgroup Agreement.

STAFF RECOMMENDATION: Staff recommends the Board: Authorize the Executive Director to execute the Agreement.

BACKGROUND: Staff from the Harbor District, Humboldt County, Humboldt Bay Municipal Water District, Samoa Peninsula Community Services District, City of Eureka, and City of Arcata have been meeting to discuss how we can work together to complete upgrades and maintenance to the public infrastructure on the Samoa Peninsula. Since the infrastructure is owned and managed by several different governmental agencies, there is a need to coordinate our efforts in order to effectively manage and plan for future development opportunities. The proposed Samoa Peninsula Infrastructure Workgroup Agreement is included as Attachment A.

ATTACHMENTS:

A. Samoa Peninsula Infrastructure Workgroup Agreement

Samoa Peninsula Infrastructure Workgroup Agreement

The undersigned agree to form a workgroup to determine whether a public and /or private entity should be formed to collectively gather resources to invest into the infrastructure needs of the Samoa Peninsula.

Recitals

- A. Public agencies with a variety of jurisdictions have been engaged in conversations and activity concerning numerous potential coastal dependent or aquaculture-based development opportunities for the Samoa Peninsula.
- B. Currently, a substantial lack or limitation on the utility related infrastructure on the Samoa Peninsula needed for both economic development and the safety of future residents.
- C. The Samoa Peninsula falls into a congressionally established Opportunity Zone. Opportunity Zones are a new tool for community development. Established in the Tax Cuts and Jobs Act of 2017, Opportunity Zones provide tax incentives for long-term investment in low-income communities.
- D. Interested agencies desire to create a workgroup, to determine the best way stakeholders can collaborate to attract private investment, federal or state funding to meet the infrastructure needs of the Samoa Peninsula.

Now, therefore the undersigned public agencies, referred herein as "Members" agree as follows:

Agreement

- **1. Formation.** The "Samoa Peninsula Infrastructure Workgroup" is hereby formed.
- **2. Parties to this agreement.** For the purposes of this agreement, each member intends to explore the creation of a separate public entity or special district for a period of no more than one year.
- **3. Purpose**. The purpose is to explore the possibility of creating an entity that can seek resources for the infrastructure needs of the Samoa Peninsula for economic development improvements and the betterment of the community members who live there and the

economy of Humboldt County. To further that purpose, the membership will work toward the following goals:

- A. Study the collective infrastructure needs including, but not limited to: water, sewer, power, fire, broadband
- B. Create an overview on upcoming projects, their funding status, and additional projects likely to emerge seeking to locate in the region.
- C. Increase awareness and understanding of the regional capacity needed to protect the area from threats including fire, safety and climate adaptation.
- D. Expand the regional capacity to be responsive to economic development opportunities
- **4. Membership.** Any public agency which has jurisdiction within the boundaries of the Samoa Peninsula Opportunity Zone.
- **5. Timeline.** The workgroup shall disband on December 31, 2020, or sooner at the discretion of the membership. The Task Force can be extended for a period of one year by the membership if the entities it represents are notified of the need for an extension.
- **6. Principal Office.** The principal office shall be 520 E Street, Eureka, CA 95501
- **7. Staffing.**The County of Humboldt Economic Development Department will staff the task force. Consultants may be hired to assist the County with staffing needs.

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 February 27, 2020

TO: Honorable Board President and Harbor District Board Members

FROM: Larry Oetker, Executive Director

DATE: February 21, 2020

TITLE: Consider Adopting Resolution 2020-02 Designating Business Matters, Appointment

and Authorization for the Humboldt Bay Harbor, Recreation and Conservation

District for Calendar Year 2020

STAFF RECOMMENDATION: Staff recommends the Board Adopt Resolution 2020-02

BACKGROUND: Annually the Board approves a Resolution which appoints specific staff and/or consultants, established financial limitations, legal notice designations, meeting schedules, and other business matters of the District.

Staff recommends adopting the 2020 Regular Meeting Schedule (Attachment A), which cancels the meetings scheduled for November 26, 2020 and December 24, 2020 and schedule Special Meetings on the second Thursday of those months instead.

DISCUSSION: A Business Matters Resolution has been adopted annually since 2013 and is used as a guideline for staff regarding media contacts and spending limits, as well as appointed district staff and the officers of the Board of Commissioners. It establishes the board meeting schedule and legal notice designations.

ATTACHMENTS:

- **A.** Humboldt Bay Harbor District Board of Commissioners Regular Meeting Schedule for the Calendar Year 2020
- B. Resolution 2020-02



Humboldt Bay Harbor District Board of Commissioners Regular Meeting Schedule Calendar Year 2020

| MONTH | DATE | TIME |
|-------------------------------------|--------------------|---------------------------------|
| January | 01/23/2020 | 7:00 P.M. |
| February | 02/27/2020 | 7:00 P.M. |
| March | 03/26/2020 | 7:00 P.M. |
| April | 04/23/2020 | 7:00 P.M. |
| May | 05/28/2020 | 7:00 P.M. |
| June | 06/25/2020 | 7:00 P.M. |
| July | 07/23/2020 | 7:00 P.M. |
| August | 08/27/2020 | 7:00 P.M. |
| September | 09/24/2020 | 7:00 P.M. |
| October | 10/22/2020 | 7:00 P.M. |
| November* | 11/26/2020 | 7:00 P.M. CANCELLED |
| December* | 12/24/2020 | 7:00 P.M . CANCELLED |
| *Special Meeting Dates for November | and December 2020: | |
| November | 11/12/2020 | 7:00 P.M. |
| December 109 of 113 | 12/10/2020 | 7:00 P.M. |

HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT

RESOLUTION NO. 2020-02

A RESOLUTION DESIGNATING BUSINESS MATTERS, APPOINTMENT AND AUTHORIZATION FOR THE HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT FOR CALENDAR YEAR 2020

BE IT RESOLVED THAT the Board of Commissioners for the Humboldt Bay Harbor, Recreation and Conservation District hereby appoints and/or authorizes the following Business Matters for the calendar year beginning January 1, 2020 and ending December 31, 2020 for all divisions of the Humboldt Bay Harbor, Recreation and Conservation District:

OFFICERS FOR THE BOARD OF COMMISSIONERS:

President - Stephen Kullmann

Vice President - Larry Doss
Secretary - Patrick Higgins
Commissioner - Greg Dale
Commissioner - Richard Marks

ENABLING LEGISLATION:

Appendix II of the State of California Harbors and Navigation Code: Humboldt Bay Harbor, Recreation and Conservation District.

FINANCIAL:

- 1. Auditors- As approved by the Board.
- 2. District Treasurer Mark Wetzel, CPA; David L. Moonie & Co., LLP; 325 Second Street, Suite 301; Eureka, CA 95501
- 3. Budget Officer District Treasurer and Executive Director
- 4. Custodians of Funds District Treasurer and Executive Director
- 5. Authorized to Open Accounts District Treasurer and Executive Director
- 6. Investment of Surplus Funds Custodians of Funds
- 7. Custodians of State, Federal and other funds, whether loans or grants, to make application for, receive and expend Custodians of Funds and Executive Director
- 8. Expenditures:
 - a. Checks require any two signatures from the following: Current Commissioner or Executive Director.

- b. Expenditures over \$5,000 shall follow § 36 of Appendix II of the State of California Harbors and Navigation Code: Humboldt Bay Harbor, Recreation and Conservation District
- c. Purchase Order for non-recurring, single expenditures over \$300.00
- d. Board approval of any expenditure over \$5,000.00
- 9. Authorized Revenue Facilities:
 - a. Local Bank Checking, Money Market & Savings Accounts TriCounties Bank, Eureka Branch
 - Remote Bank Checking, Money Market/Savings Accounts BBVA Compass Bank
 - c. Humboldt County Treasurer to receive Humboldt County imposed tax revenues and other collected revenues for disbursement to the Humboldt Bay Harbor, Recreation and Conservation District

10. Grants

 The Board President and/or Executive Director are authorized to sign grant agreements

11. Contracts

a. The Board President and/or Executive Director are authorized to sign contracts and expenditures over \$5,000.00 which have been approved by the Board

LEGAL NOTICE DESIGNATIONS:

- 1. Official Notice posting sites:
 - a. District Conference Room aside main door on outside wall
 - b. District website: www.humboldtbay.org
- 2. The Times-Standard (newspaper of general circulation) as the newspaper for legal publications
- 3. Email notification to News Media: The Times-Standard, North Coast Journal, Ferndale Enterprise, Mad River Union, KEET-TV, KIEM-TV, KMUD Radio, and KHUM Radio.
- 4. Email notification to:
 - a. Cities: Eureka, Fortuna, Arcata
 - b. Counties: Humboldt
 - c. Chambers of Commerce: Eureka, Arcata
 - d. Interested parties list

REGULAR MONTHLY BOARD MEETINGS:

- Location: Humboldt Bay Harbor, Recreation and Conservation District; 601 Startare Drive; Eureka, CA
- 2. Time: Closed Session: 6:00 p.m. PST; Regular Session: 7:00 p.m. PST
- 3. When: 4th Thursdays of each month. Exceptions only if regular meeting dates conflict with November and December holidays.
- 4. Notices posted a minimum of 72 hours prior to the meeting.

SPECIAL BOARD MEETINGS:

- Location: Humboldt Bay Harbor, Recreation and Conservation District; 601 Startare Drive; Eureka, CA
- 2. When: As needed.
- 3. Notices posted a minimum of 24 hours prior to the meeting.

OTHER BUSINESS:

- 1. Election Officer Executive Director
- 2. Filing of Bonds Executive Director
- 3. Authorized to contract as necessary- Executive Director
- 4. Legal Counsel Ryan Plotz of Mitchell, Brisso, Delaney & Vrieze, LLC, 814 7th St. Eureka, CA 95501
- 5. District Planner George Williamson; Planwest Partners Inc.; 1125 16th Street; Arcata, CA 95521
- District Engineer- Mike Foget; SHN Engineers, 812 W. Wabash Ave, Eureka, CA 95501
- District Treasurer- Mark Wetzel; DLM & Co. LLP, 325 2nd St., Ste 301, Eureka, CA 95501
- 8. Insurance Agent of Record Special Districts Risk Management Authority (Property, Liability, Workers Compensation, Marina Operators Liability)
- 9. Recognize the Humboldt Bay Harbor, Recreation and Conservation District as an equal opportunity employer.
- 10. Designation of registered office and agent:

Office: 601 Startare Drive; Eureka, CA 95501

Agent: Executive Director

11. Custodian of Public Records: Executive Director

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 27th day of February 2020, by the following polled vote:

| 71120. | |
|----------------------------|--|
| NOES: | |
| ABSENT: | |
| | STEPHEN KULLMANN, President Board of Commissioners |
| ATTEST: | |
| PATRICK HIGGINS, Secretary | |

AYES.

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. 2020-02 entitled,

A RESOLUTION DESIGNATING BUSINESS MATTERS, APPOINTMENT AND AUTHORIZATION FOR THE HUMBOLDT BAY HARBOR, RECREATION AND CONSERVATION DISTRICT FOR CALENDAR YEAR 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 27th day of February 2020; 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 27th day of February 2020.

PATRICK HIGGINS, Secretary Board of Commissioners