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Santa Clara Valley Water District
Notification of this Addendum is transmitted via email to all current plan holders.
This Addendum is posted on the Valley Water website at
<https://www.valleywater.org/construction>

February 17, 2021

ADDENDUM NO. 1
TO CONTRACT DOCUMENTS FOR THE
ANDERSON DAM TUNNEL PROJECT
Project No. 91864005 Contract No. C0663

Notice is hereby given to Prospective Bidder that the Contract Documents are modified as hereinafter set forth.

BID DOCUMENTS

NOTICE TO BIDDERS

1. **CHANGE** the Bid Opening date to:

“Wednesday, March 24, 2021.

All references of the bid opening date in the contract documents will be replaced by this addendum.”

2. **CHANGE** the Pre -Bid Meeting date to:

“Wednesday, February 24, 2021.

3. **ADD** under Paragraph 9. Pre-Bid Conference and Site Visit the following:

“This pre-bid meeting will be **MANDATORY** for all PRE-QUALIFIED CONTRACTORS.

Valley Water is requiring all Pre-Qualified Contractors to acknowledge that they have inspected core samples in the core boxes. The cores will be made available by Valley Water during the Pre-Bid Meeting in accordance with the requirements of the standard and special provisions. Core samples are also available for viewing on February 25, 2021 from 8 a.m. to 5 p.m. only.

BID FORM NO. 1

4. **REPLACE** BID FORM NO. 1 with ATTACHMENT NO. 1 – Revised Bid Form No. 1.

The following are **CHANGES** on Revised Bid Form 1 as indicated in **RED** fonts:

- a) Bid Item No. 2d under Approximate Unit/Quantity has been revised to **LUMP SUM/LUMP SUM**.
- b) Bid Item Nos. 2e, 2h, 2i, 2j, and 2k under Approximate Unit/Quantity have been revised to **32 /MO**.
- c) Bid for Item No. 5n under Approximate Unit/Quantity has been revised to **450/CY**.
- d) Bid Item No. 5p under Approximate Unit/Quantity has been revised to **1,150/LF**.
- e) Bid Item No. 5q under Description for Item has been revised to “Diversion Air Vent **and Observation Well**”
- f) Bid Item No. 5x has been renumbered as **5w**.
- g) Bid Item No. 5y has been renumbered as **5x**.
- h) Bid Item No. 9f under Description for Item has been revised to “Permanent **Dikes** Abutting Southern Weir”
- i) Bid Item No. 9k under Approximate Unit/Quantity has been revised to **200/TONS**.

SPECIFICATIONS AND CONTRACT DOCUMENTS**SPECIAL PROVISIONS**

5. **REPLACE** Article 12.03.A. with:

“A. The Contractor shall complete all Work required under this Contract, **excluding the two-year landscape establishment period**, before the expiration of 980 Days from the first chargeable Day of the Contract. The first chargeable Day of the Contract shall be defined in the NTP issued by the District (Capital PM).”

6. **REPLACE** Article 12.03.D.9. with:

“9. The Contractor shall complete Milestone 9 before the expiration of **945 Days** from the first chargeable Day of the Contract.”

7. **REPLACE** Article 21.01.04.D.2.a. Bid Item No. 3b – DIVERSION PORTAL EXCAVATION [Unit: CY] with:

“a. Scope of Work: This Bid item includes furnishing all labor, material, tools, equipment, and incidentals necessary to perform diversion portal excavation, including constructing the drainage v-ditch, in accordance with the Contract Drawings and Section 02200 Earthwork. This also includes any localized

excavations to suit the Contractor's means and methods for his breakout portal to commence tunneling. Loading, handling, stockpiling, and excavation or backfill of temporary construction haul ramps or roads or other excavations made to facilitate the Contractor's work shall be incidental to the excavation. **V-ditches constructed at the disposal area are incidental to this bid item.**"

8. **REPLACE** Article 21.01.04.F.7 with:

"7. Bid Item No. 5g - #10 ROCK BOLTS IN TRANSITION ZONE [Unit: EA]"

9. **REPLACE** Article 21.01.04.F.7.b. Bid Item No. 5g - #10 ROCK BOLTS IN TRANSITION ZONE [Unit: EA] with:

"b. Measurement and Payment: Full compensation for Bid Item 5g, #10 Rock Bolts **in Transition Zone**, will be made at the unit price per **each (EA) rock bolt** successfully installed at the specified locations as approved by the Engineer (Construction Manager)."

10. **REPLACE** Article 21.01.04.F.12 with:

"12. Bid Item No. 5l – LLOT Downstream Leg Reinforced Concrete Plug [Unit: LS]"

11. **REPLACE** Article 21.01.04.F.12.b. Bid Item No. 5l - LLOT Downstream Leg Reinforced Concrete Plug [Unit: LS] with:

"b. Measurement and Payment: Full compensation for Bid Item 5l, LLOT Downstream Leg Reinforced Concrete Plug, will be made **on a lump sum basis for completed work approved** by the Engineer (Construction Manager)."

12. **REPLACE** Article 21.01.04.F.17 with:

"17. Bid Item No. 5q - DIVERSION AIR VENT **AND OBSERVATION WELL** [Unit: LS]"

13. **REPLACE** Article 21.01.04.F.17.c. Bid Item No. 5q - DIVERSION AIR VENT AND OBSERVATION WELL [Unit: LS] with:

"c. Measurement and Payment: Full compensation for Bid Item 5q, Diversion Air Vent **and Observation Well**, will be made on a lump sum basis for completed work approved by the Engineer (Construction Manager)."

14. **REPLACE** Article 21.01.04.J.5.a. Bid Item No. 9e - NORTHERN WEIR AND SOUTHERN WEIR [Unit: LS] with:

"(a) Scope of Work: This Bid item includes furnishing all labor, material, tools, equipment, and incidentals necessary to construct both the northern and southern weir and scour apron, **including excavation and backfilling**, in accordance with Contract Drawings, Section 03200 Concrete Reinforcement, and Section 03300 Cast-In-Place Concrete. This item also includes foundation preparation and proof rolling in accordance with Section 02225 Trench and Structure Excavation and Backfill."

15. **REPLACE** Article 21.01.04.J.6. with:

“6. Bid Item No. 9f - PERMANENT **DIKES** ABUTTING SOUTHERN WEIR [Unit: LS]”

- a. Scope of Work: This Bid item includes furnishing all labor, material, tools, equipment, and incidentals necessary to construct both permanent dikes abutting the southern weir, **including excavation and backfilling**, in accordance with Contract Drawings and Section 02200 Earthwork. Clearing, grubbing and stripping, subgrade preparation, excavation of foundation materials, and proof rolling of the dike foundation is included in this bid item. This bid item also includes processing, blending, hauling, moisture conditioning, placement, and compaction of earthfill materials, and Quality Control Testing of Earthfill Materials.
- b. Measurement and Payment: Full compensation for Bid Item 9f, Permanent **Dikes** Abutting Southern Weir, will be made on a lump sum basis for completed work approved by the Engineer (Construction Manager).”

16. **REPLACE** Article 21.01.04.J.11 with:

“11. Bid Item No. 9k - BOULDER GRADE CONTROL [Unit: **TONS**]”

- a. Scope of Work: This Bid item includes furnishing all labor, material, tools, equipment, and incidentals necessary to construct boulder grade control in accordance with Contract Drawings and Section 02960 Streambed Construction.
- b. Measurement and Payment: Full compensation for Bid item 9k, Boulder Grade Control, will be made at the unit price per **ton (TONS)** of graded material installed as approved by the Engineer (Construction Manager).
- c. Loading, handling, stockpiling, and excavation or backfill of temporary construction haul ramps or roads or other excavations made to facilitate the Contractor's work shall be incidental to the excavation.
- d. Payment will not be made for refilling any unauthorized excavation outside the lines and grades shown on the Contract Drawings.

17. **REPLACE** Article 21.04.A. Progress Payment Retention with:

- “A. The Contract Retention **for this Project is established at five (5)** percent of the Contract Price(s). All other provisions of Standard Provisions Article 6.02.04. Payment by District remain unchanged.”

TECHNICAL PROVISIONS

SECTION 02310. TUNNEL EXCAVATION AND SUPPORT

18. **REPLACE** Article 2.01.B.3. MATERIALS with:

- “3. Ribs, posts, beams, channels, steel lagging, collar braces, plates, and tie-rods, shall be **Grade 50** structural steel conforming to ASTM A36. Foot blocks shall be steel, precast concrete or sacked concrete. Bolts for steel set connections shall conform to ASTM A325.”

PLANS

19. **REPLACE** the following Sheet Codes as shown in ATTACHMENT NO. 2

- a) C-031: High Level Outlet Works - Drop Shaft Area Profile (Sheet No. 39 of 146)
- b) C-108: North Weir Wall - Plan, Elevation View & Section (Sheet No. 48 of 146)
- c) C-300: Instrumentation Plan and Schedule (Sheet No. 60 of 146)
- d) S-004: Typical Ladder and Guardrail Details (Sheet No. 81 of 146)
- e) S-005: Typical Cover Plate and Grating Detail (Sheet No. 82 of 146)
- f) S-023: Diversion Outlet Structure – Sections & Details Sheet 1 (Sheet No. 87 of 146)
- g) S-024: Diversion Outlet Structure – Sections & Details Sheet 2 (Sheet No. 88 of 146)
- h) S-025: Diversion Outlet Structure – Sections & Details Sheet 3 (Sheet No. 89 of 146)
- i) C-108: North Weir Wall - Details & Section (Sheet No. 101 of 146)

GENERAL QUESTIONS AND RESPONSES

Question 1. (Date Received: February 2, 2021)

We received the bid documents for the Anderson Dam Tunnel Project on January 28th, with the stated bid date is March 10th. This allows less than 6 weeks from advertisement to bid. When the time necessary for joint venture estimate review meetings and actual bid closeout are accounted for, there is but three to four weeks available to analyze the documents, prepare method plans, perform take offs, and estimate the project. Additionally, bidders must solicit competitive quotations from subcontractors/vendors, and design temporary – all with the pandemic restrictions limiting the productivity of many businesses. This project is complex and contains many overlapping disciplines of heavy civil construction. Accordingly, we request that the bid date be postponed six weeks to April 21, 2021 so that the SCVWD can receive the responsive and responsible bids that this project deserves. Your timely response to this request is appreciated, so that we may schedule our resources accordingly.

Response 1.

The bid opening date has been moved to March 24, 2021. See item no. 1 of Addendum No. 1.

Question 2. (Date Received: February 2, 2021)

Specification 03300, Section 3.02.C states that when placing mass concrete, lifts shall not exceed 7 feet in height. Does this apply to slabs only, or to walls as well?

- A. Does this apply to slabs only, or to walls as well?
- B. The slab at the east end of the Diversion Outlet structure is designed at 8 feet deep. Can this slab be placed in one lift?

Response 2.

- A. This applies to any structural element with least dimension larger than 3 feet, as described in Specification Section 03300, Article 3.02C.
- B. Yes, this slab could be placed in one lift, however measures need to be included for temperature compliance in Specification Section 03300, Article 3.05C.

Question 3. (Date Received: February 3, 2021)

Specification 03200, Section 3.03.G.2 notes that, wherever reinforcing bars are spliced, they shall meet the requirements for a Class B tensioned-lapped splice. Does the REINFORCEMENT DEVELOPMENT AND SPLICE TABLE on Drawing S-001 provide lap lengths meeting the Class B tensioned-lapped splice requirements?

Response 3.

Yes.

Question 4. (Date Received: February 3, 2021)

Section A on Drawing S-023 shows top mat reinforcing in the lower foundation slab (slab from Elev. 399 to Elev. 405) to be continuous all the way to the west end of the slab. Section C on Drawing S-024 shows no top mat bars in this slab between the interior faces of the exterior walls. This section is taken through the raised portion at the end that extends up to elevation 412. However, Detail 4 on S-025 indicates longitudinal and transverse bars in the top mat continuing through this area. Please clarify.

Response 4.

Section C on S-024 is correct. Sheets S-023 and S-025 have been revised, included in item nos. 19(g) and 19(h), and Attachment No. 2 of Addendum No. 1.

Question 5. (Date Received: February 3, 2021)

Section A on Drawing S-023 shows the lower foundation slab (slab from Elev. 399 to Elev. 405) to have #11 bars at 12" T&B EW. Sections B and C on Drawing S-024 appear to indicate #10 bars. Please clarify.

Response 5.

S-024 has been revised, included in item no. 19(g) and Attachment No. 2 of Addendum No. 1.

Question 6. (Date Received: February 3, 2021)

Detail 4 on S-025 appears to indicate a tail on the lower longitudinal bar that goes all the way to the top of the slab (less the required cover) and a tail on the upper bar that goes all the way to the bottom of the slab (less the required cover). However, Sections B and C on S-024 show vertical tails on the transverse bars that are much shorter. What is the length of the vertical tails on these bars?

Response 6.

As shown on S-001, standard hook development for #10 bars is 31 inches, and min. lap length for #10 bars is 100 inches. The top bars on the top of the raiser (4/S-025) are considered splicing, not tail, so lap length is applied.

Question 7. (Date Received: February 4, 2021)

Section C on Drawing S-024 calls for 6" spacing on the #10 dowels coming out of the slab and going into the walls. Section B on this drawing does not call out a spacing. Do the dowels continue on 6" spacing, or is the 6" spacing only for the raised area at the end with dowels reverting to 12" spacing to match the vertical wall reinforcement?

Response 7.

Dowels continue on 6" spacing. S-024 has been revised, included in item no. 19(g) and Attachment No. 2 of Addendum No. 1.

Question 8. (Date Received: February 4, 2021)

Reinforcing Note 1 on Drawing S-001 calls for all stainless steel reinforcing to meet Grade 60, ASTM A955. We found no requirement for stainless steel reinforcing in Specification Section 03200. Is there stainless steel reinforcing required on this project? If so, where?

Response 8.

There is no stainless steel reinforcing required on this project.

Question 9. (Date Received: February 4, 2021)

Section A and Detail 4 on S-023 show the bottom two mats of bundled #11 bar extending into the sloped transition area, but neither provide a dimension. How far past the break point do these bars extend?

Response 9.

S-023 has been revised, included in item no. 19(f) and Attachment No. 2 of Addendum No. 1

Question 10. (Date Received: February 4, 2021)

Specification 05500, Section 2.03.A.1 says that ladders are to be fabricated of stainless steel plates, bars and angles. Details C, D, and E on Drawing S-004 call for galvanized materials. Specification 05500, Section 2.03.D.7.c calls for galvanized steel framing on fabricated stairs if not stainless. Please clarify the material type and finish for the stairs, ladders, and platforms at the Diversion Outlet Structure.

Response 10.

The material type and finish for the ladders is stainless steel, the material type and finish for the stairs and platforms at the Diversion Outlet Structure is hot-dip galvanized (HDG). S-004 and S-005 have been revised. See item nos. 19(d) and 19(e), and Attachment No. 2 of Addendum No. 1.

Question 11. (Date Received: February 4, 2021)

Note 5 on S-004 states that, unless shown otherwise on the drawings, provide a 4 rail system as shown on Detail 3 for outdoor applications and a 3 rail system with kickplate as shown on Section a for indoor applications. Drawing S-026 shows a 3 rail system for the stairs and platform, but no kickplate. Are kickplates required at this location?

Response 11.

The kickplates are required on the platforms, but not required for the stringer.

Question 12. (Date Received: February 5, 2021)

Bid Item No. 5n - CLSM Backfill in Transition Zone has an approximate quantity of 280 LF, however, the limits of the CLSM backfill on Drawing C-018 appears to be less than 100 LF. Please clarify the quantity and unit of measurement for Bid Item No. 5n.

Response 12.

Bid Item 5n CLSM backfill estimated quantity has been revised to 450 CY. See item no. 4(c) and Attachment No. 1 of Addendum No. 1.

Question 13. (Date Received: February 5, 2021)

Notice to Bidders - 17. Contract retention calls for 5%, SP 21.04.A. states Contract retention at 10%. Please clarify what the Contract retention will be for this project.

Response 13.

Contract retention for this project is 5%. See item no. 15 of Addendum No. 1.

Question 14. (Date Received: February 5, 2021)

Drawing E-002: Portions of the load calculation tables on E-002 are illegible. Please provide a legible drawing.

Response 14.

Test prints have been performed on 11x17 sheets. Tables are legible.

Question 15. (Date Received: February 5, 2021)

Drawing E-501: Portions of the Panel Schedules on E-501 are illegible. Please provide a legible drawing.

Response 15.

Test prints have been performed on 11x17 sheets. Schedules are legible.

Question 16. (Date Received: February 5, 2021)

Drawing E-701: Portions of the power distribution tables on E-701 are illegible. Please provide a legible drawing.

Response 16.

Test prints have been performed on 11x17 sheets. Tables are legible.

Question 17. (Date Received: February 6, 2021)

Mechanical Drawing M-003 shows an 8" Gate Valve and an 8" Air/Vac Valve on both 132" lines downstream of the BFV and upstream of the Cone Valve. P&ID Drawing I-012 shows only an Air/Vac Valve on one line and nothing on the other. Please clarify.

Response 17.

The correct configuration is shown on M-003 with an air release valve and gate valve on each of the 132-inch pipelines. The air vent and associated gate valve is not connected to SCADA so is not shown on I-012.

Question 18. (Date Received: February 6, 2021)

Specification 02388, Section 2.01.A notes that lengths of bars shown on the drawings shall be the lengths of embedment into rock. Please confirm that the embedment length of 113' shown on Drawing S-025 is the length into both rock and CLSM.

Response 18.

Yes, the embedment length of 113 feet shown on Drawing S-025 is the length into both rock and CLSM.

Question 19. (Date Received: February 10, 2021)

Some of the tables on Drawings E-002 & E-501 are illegible. Please provide updated drawings.

Response 19.

Test prints have been performed on 11x17 sheets. Tables are legible.

Question 20. (Date Received: February 10, 2021)

There appears to be discrepancies between Bid Form No. 1 and the description of bid items in SP 21.01.04 as follows, please clarify: a) Is Bid item 2d unit of measure Ls or 36 MO; b) Is Bid Item 5g unit of measure LF or EA; c) Is Bid Item 5g unit of measure LS or CY and if CY, what is the quantity; d) There is no 5w in the Bid Item Form and no 5y in 21.01.04, appears to be a numbering error.

Response 20.

- (a) Bid Item 2d is LUMP SUM, Bid Form revised. See item no. 4(a) and Attachment No. 1 of Addendum No. 1.
- (b) Bid Item 5g is EA, Special Provisions Article 21.01.04 revised. See item nos. 8 and 9 of Addendum No. 1.
- (c) If you referring to Bid Item 5l, it is LUMP SUM. Special Provisions Article 21.01.04 have been revised. See item nos. 8 and 9 of Addendum No. 1.
- (d) Bid Form has been revised to clarify. See item nos. 4(f) and 4(g), and Attachment No. 1 of Addendum No. 1

Question 21. (Date Received: February 10, 2021)

Bid Form No. 10 states the Escrow Bid Documents must be submitted, "no later than 5 P.M. on the first Friday, or Monday if Friday is a holiday, following the bid opening day."

Instructions to Bidders Page 5 of 9, Section 13.B. states, the Escrow Bid Documents must be submitted, "no later than 5 p.m. on the third business day following the Bid opening."

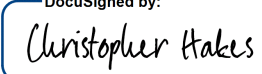
The Bid Documents - Table of Contents also state "FORMS DUE BY 5 PM ON THE 3RD BUSINESS DAY AFTER BID OPENING".

With the current Bid Opening Date of Wednesday, March 10th, 2021, the first Friday is March 12th (and is not a holiday). However, the third business day following the Bid opening is Monday March, 15th. Please confirm Escrow Bid Documents are to be submitted the third business day after bid opening, currently Monday, March 15th.

Response 21.

Since the bid opening date has been moved to March 24, 2021, the Escrow Bid Documents must be submitted no later than 5 PM on March 29, 2021 by the three apparent top ranked Best Value bidders.

THIS ADDENDUM NO. 1, WHICH CONTAINS 11 PAGES AND 2 ATTACHMENTS, IS ATTACHED TO AND IS A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THIS PROJECT.

DocuSigned by:

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Christopher Hakes, P.E.
Deputy Operating Officer
Dam Safety & Capital Delivery Division

Date: 2/17/2021

Enclosures:

ATTACHMENT NO. 1 – REVISED BID FORM NO. 1

ATTACHMENT NO. 2 – REVISED DRAWINGS

ATTACHMENT NO. 1

REVISED BID FORM NO. 1



REVISED BID FORM NO. 1
Proposal and Bid Items

Page 1 of 10

*This form must be completed in **ink** and changes must be **initialed**.*

Honorable Board of Directors
 Santa Clara Valley Water District (District)

Pursuant to, and in compliance with, the Notice to Bidders and the Contract Documents, relating to the

C0663 – ANDERSON DAM TUNNEL PROJECT, the undersigned Bidder having become thoroughly familiar with the terms and conditions of the Contract Documents and with local conditions affecting the performance and costs of the Work and having fully inspected the Work site in all particulars, hereby proposes and agrees to fully perform the Work, including providing any and all labor and materials and performing all Work required to construct and complete said Work within the contract time stated and in accordance with the requirements of the Contract Documents, for the following sum of money.

The undersigned Bidder agrees to complete all the Work within **1,050** calendar days from the first chargeable day of the Contract, as stated in the Notice to Begin Work. The Bidder agrees to enter into a Contract with the District and provide the required bonds and insurance in accordance with the Instructions to Bidders, Contract Bonds, paragraph #22 and Execution of Contract, paragraph #23. If the Bidder fails to meet these requirements within the time specified in the Instruction to Bidders, Failure to Execute Contract, paragraph #24, the Bidder's security accompanying this Proposal may be forfeited and become the property of the District. No Contract exists until all Contract bonds and insurance documents have been accepted by the District.

TOTAL BID: \$ _____

Bidder acknowledges receipt of the following Addenda to the Bid Documents:

Addenda are posted online at <https://www.valleywater.org/construction>.

☐ **NO** Addenda received

☐ Addenda received as follows:

Addendum No. _____	Date _____	Addendum No. _____	Date _____
Addendum No. _____	Date _____	Addendum No. _____	Date _____

Failure to acknowledge receipt of an Addendum on the Bid Form is not, in itself, cause for withdrawal or rejection of Bid, if it can be established that Bidder did, in fact, receive such Addendum prior to Bid opening.

BIDDER'S COMPANY INFORMATION

NAME:	ADDRESS:
CONTRACTOR'S CALIFORNIA LICENSE NUMBER: DATE OF EXPIRATION: LICENSE CLASSIFICATION(S):	
PHONE No.: ()	FAX No.: ()
EMAIL ADDRESS:	

SIGNATURE BLOCK (Signature Block must be completed in *ink* and changes must be *initialed*.)

Bidder's Signature:	Date:
Bidder's Name and Title (Print):	



REVISED BID FORM NO. 1
Proposal and Bid Items
 Page 2 of 10

This form must be completed in ink and changes must be initialed.

SECTION A — BASE BID

ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
1	MOBILIZATION AND DEMOBILIZATION			
1a	Mobilization and Demobilization	<u>Lump Sum</u> Lump Sum	\$	
1b	Contractor – Obtained Permits	<u>Lump Sum</u> Lump Sum	\$	
2	SITE PREPARATION			
2a	Demolition	<u>Lump Sum</u> Lump Sum	\$	
2b	Clearing and Grubbing	<u>16</u> ACRES	\$	
2c	Stripping	<u>27,000</u> SY	\$	
2d	Install Active Treatment System (ATS)	<u>Lump Sum</u> Lump Sum	\$	
2e	Operate Active Treatment System (ATS)	<u>32</u> MO	\$	
2f	Coyote Road Turnouts	<u>Lump Sum</u> Lump Sum	\$	
2g	Giancola Driveway and Waterline	<u>Lump Sum</u> Lump Sum	\$	
2h	Compliance with NPDES General Permit	<u>32</u> MO	\$	
2i	Migratory Birds	<u>32</u> MO	\$	
2j	Noise and Vibration Monitoring	<u>32</u> MO	\$	



REVISED BID FORM NO. 1
Proposal and Bid Items
 Page 3 of 10

This form must be completed in ink and changes must be initialed.

ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
2k	Dust Control and Air Monitoring	<u>32</u> MO	\$	
3	DIVERSION PORTAL			
3a	Geotechnical Borings	<u>945</u> LF	\$	
3b	Diversion Portal Excavation	<u>89,500</u> CY	\$	
3c	Soil Nails #20, 120ft	<u>43</u> EA	\$	
3d	Soil Nails #18, 120ft	<u>81</u> EA	\$	
3e	Soil Nails #14, 120ft	<u>121</u> EA	\$	
3f	12-inch Shotcrete and #6 Rebar Mat	<u>42,650</u> SF	\$	
3g	Diversion Tunnel Portal Reinforced Concrete Encasement	<u>Lump Sum</u> Lump Sum	\$	
3h	Hydraugers	<u>42</u> EA	\$	
3i	Diversion Portal Instrumentation	<u>Lump Sum</u> Lump Sum	\$	
3j	Temporary Tunneling Portal Support	<u>Lump Sum</u> Lump Sum	\$	
3k	Diversion Portal Hydroseed	<u>2.94</u> ACRES	\$	
4	LAKE – TAP PORTAL			
4a	Core Borings (Over Water)	<u>150</u> LF	\$	



REVISED BID FORM NO. 1
Proposal and Bid Items

Page 4 of 10

This form must be completed in ink and changes must be initialed.

ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
4b	Turbidity Barrier	<u>Lump Sum</u> Lump Sum	\$	
4c	Lake-Tap Excavation (Dredging) and MTBM Landing Pad	<u>Lump Sum</u> Lump Sum	\$	
4d	Lake-Tap Rock Backfill	<u>810</u> CY	\$	
4e	Diversion Intake Trash Rack	<u>Lump Sum</u> Lump Sum	\$	
5	TUNNEL EXCAVATION AND LINING			
5a	18.5-foot Diameter Tunnel Excavation - Class 3	<u>105</u> LF	\$	
5b	18.5-foot Diameter Tunnel Excavation - Class 4	<u>180</u> LF	\$	
5c	18.5-foot Diameter Tunnel Excavation - Class 5	<u>70</u> LF	\$	
5d	24-foot Diameter Tunnel Excavation - Class 3	<u>300</u> LF	\$	
5e	24-foot Diameter Tunnel Excavation - Class 4	<u>550</u> LF	\$	
5f	24-foot Diameter Tunnel Excavation - Class 5	<u>230</u> LF	\$	
5g	#10 Rock Bolts in Transition Zone	<u>210</u> EA	\$	
5h	Shotcrete in Transition Zone	<u>175</u> CY	\$	
5i	Reinforced Concrete Liner in Tunnel	<u>900</u> LF	\$	
5j	5-foot Articulated Joint Segments	<u>125</u> LF	\$	



REVISED BID FORM NO. 1
Proposal and Bid Items

Page 5 of 10

This form must be completed in ink and changes must be initialed.

ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
5k	10-foot Articulated Joint Segments	<u>125</u> LF	\$	
5l	LLOT Downstream Leg Reinforced Concrete Plug	<u>Lump Sum</u> Lump Sum	\$	
5m	13-foot Steel Liner and Concrete Backfill within Tunnel	<u>Lump Sum</u> Lump Sum	\$	
5n	CLSM Backfill in Transition Zone	<u>450</u> CY	\$	
5o	Probing Within Rock Tunnel	<u>4,950</u> LF	\$	
5p	Waterproofing Membrane and Drainage Collection System	<u>1,150</u> LF	\$	
5q	Diversion Air Vent and Observation Well	<u>Lump Sum</u> Lump Sum	\$	
5r	Pre-excavation Drilling Within Rock Tunnel, Direct Cost	<u>3,500</u> LF	\$	
5s	Pre-excavation Drilling and Grouting Within Rock Tunnel, Indirect Cost	<u>130</u> SHIFT	\$	
5t	Pre-excavation Grouting Within Rock Tunnel, Microfine Cement	<u>3600</u> SACK	\$	
5u	Pre-excavation Grouting Within Rock Tunnel, Chemical Grout	<u>5,240</u> GALLON	\$	
5v	Tunnel Excavation in Transition Zone – Class 3	<u>505</u> CY	\$	
5w	Tunnel Excavation in Transition Zone – Class 4	<u>840</u> CY	\$	
5x	Tunnel Excavation in Transition Zone – Class 5	<u>340</u> CY	\$	



REVISED BID FORM NO. 1
Proposal and Bid Items

Page 6 of 10

This form must be completed in ink and changes must be initialed.

ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
6	SHAFT EXCAVATION AND LINING			
6a	Shaft Excavation, Initial Support, Final Lining and Backfill	<u>Lump Sum</u> Lump Sum	\$	
7	MICROTUNNEL			
7a	Microtunneling Mobilization and Demobilization	<u>Lump Sum</u> Lump Sum	\$	
7b	Microtunneling (8 to 9-ft Inside Diameter)	<u>420</u> LF	\$	
8	DIVERSION OUTLET STRUCTURE			
8a	Diversion Outlet Structure Excavation	<u>21,500</u> CY	\$	
8b	Soil Nails #10, 20 ft	<u>72</u> EACH	\$	
8c	6-inch Shotcrete and #6 Rebar Mat	<u>5,150</u> SF	\$	
8d	CLSM Backfill for Diversion Outlet Structure	<u>9,650</u> CY	\$	
8e	Earthfill Backfill for Diversion Outlet Structure	<u>6,200</u> CY	\$	
8f	Diversion Outlet Structure Concrete Foundation	<u>3,600</u> CY	\$	
8g	Diversion Outlet Structure Foundation Anchors	<u>114</u> EACH	\$	
8h	Diversion Outlet Structure	<u>Lump Sum</u> Lump Sum	\$	
8i	132-inch Butterfly Valves	<u>Lump Sum</u> Lump Sum	\$	



REVISED BID FORM NO. 1
Proposal and Bid Items
 Page 7 of 10

This form must be completed in ink and changes must be initialed.

ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
8j	132-inch Fixed Cone Valves	<u>Lump Sum</u> Lump Sum	\$	
8k	156-inch Steel Pipe	<u>50</u> LF	\$	
8l	132-inch Steel Pipe	<u>180</u> LF	\$	
8m	Special Seismic Steel Pipe	<u>Lump Sum</u> Lump Sum	\$	
8n	24-inch Sleeve Valve	<u>Lump Sum</u> Lump Sum	\$	
8o	Miscellaneous Mechanicals	<u>Lump Sum</u> Lump Sum	\$	
8p	Electrical Equipment	<u>Lump Sum</u> Lump Sum	\$	
8q	Instrumentation and Controls	<u>Lump Sum</u> Lump Sum	\$	
8r	Diversion Outlet Structure Access Road and Security Fencing	<u>Lump Sum</u> Lump Sum	\$	
9	COYOTE CREEK MODIFICATIONS			
9a	Temporary Dike and Dewater Northern Channel	<u>Lump Sum</u> Lump Sum	\$	
9b	Realign Anderson Force Main (AFM)	<u>Lump Sum</u> Lump Sum	\$	
9c	Discharge Channel and Northern Channel Excavation	<u>41,950</u> CY	\$	
9d	Northern Channel Substrate	<u>3,450</u> CY	\$	
9e	Northern Weir and Southern Weir	<u>Lump Sum</u> Lump Sum	\$	



REVISED BID FORM NO. 1
Proposal and Bid Items
 Page 8 of 10

This form must be completed in ink and changes must be initialed.

ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
9f	Permanent Dike ^s Abutting Southern Weir	<u>Lump Sum</u> Lump Sum	\$	
9g	Riprap Type 1	<u>3,600</u> CY	\$	
9h	Riprap Type 2	<u>9,650</u> CY	\$	
9i	Riprap Type 3	<u>1,350</u> CY	\$	
9j	Riprap Type 4	<u>30</u> CY	\$	
9k	Boulder Grade Control	<u>200</u> TONS	\$	
9l	Turf Reinforcement Matting	<u>3,600</u> SY	\$	
9m	Coyote Creek Hydroseed	<u>0.75</u> ACRES	\$	
SECTION A SUBTOTAL			\$	



REVISED BID FORM NO. 1
Proposal and Bid Items
 Page 9 of 10

This form must be completed in ink and changes must be initialed.

SECTION B — SUPPLEMENTAL BID ITEMS

These Bid items may or may not be required. They may be deleted entirely or in part, by deductive change order(s), at the sole discretion of the District.

ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
10	SUPPLEMENTAL WORK			
10a	Landslide Excavation, Hoot Owl Way	<u>21,650</u> CY	\$	
10b	Landslide Excavation, Boat Marina	<u>4,330</u> CY	\$	
10c	Landslide Remediation, Soil Nails #8, 100 feet	<u>737</u> EACH	\$	
10d	Landslide Remediation, Soil Nails #8, 140 feet	<u>248</u> EACH	\$	
10e	Landslide Remediation, Earthfill for Hoot Owl Way	<u>21,850</u> CY	\$	
10f	Landslide Remediation, Earthfill for Boat Marina	<u>4,400</u> CY	\$	
10g	Existing Intake Improvements, Soil Nails #8, 75 feet	<u>45</u> EACH	\$	
10h	Existing Intake Improvements, Soil Nails #8, 100 feet	<u>46</u> EACH	\$	
10i	Existing Intake Improvements, Soil Nails #14, 75 feet	<u>4</u> EACH	\$	
10j	Existing Intake Improvements, Structural/Mechanical Alterations	<u>Lump Sum</u> Lump Sum	\$	
10k	Supplemental Work Hydroseed	<u>6.3</u> ACRES	\$	
SECTION B SUBTOTAL			\$	



REVISED BID FORM NO. 1
Proposal and Bid Items
 Page 10 of 10

This form must be completed in ink and changes must be initialed.

SECTION C — ALLOWANCES				
ITEM NO.	DESCRIPTION OF ITEM	APPROXIMATE QUANTITY UNIT	UNIT PRICE	TOTAL
11	ALLOWANCES			
11a	Other Wildlife and Fish Species (19.09)	1	\$250,000.00	\$250,000.00
11b	Sensitive Plants and Vegetation (19.10)	1	\$250,000.00	\$250,000.00
11c	Dispute Review Board	1	\$75,000.00	\$75,000.00
11d	Facilitated Partnering	1	\$25,000.00	\$25,000.00
SECTION C SUBTOTAL			\$600,000.00	
TOTAL BID (SECTIONS A SUBTOTAL + B SUBTOTAL + C SUBTOTAL)			\$	

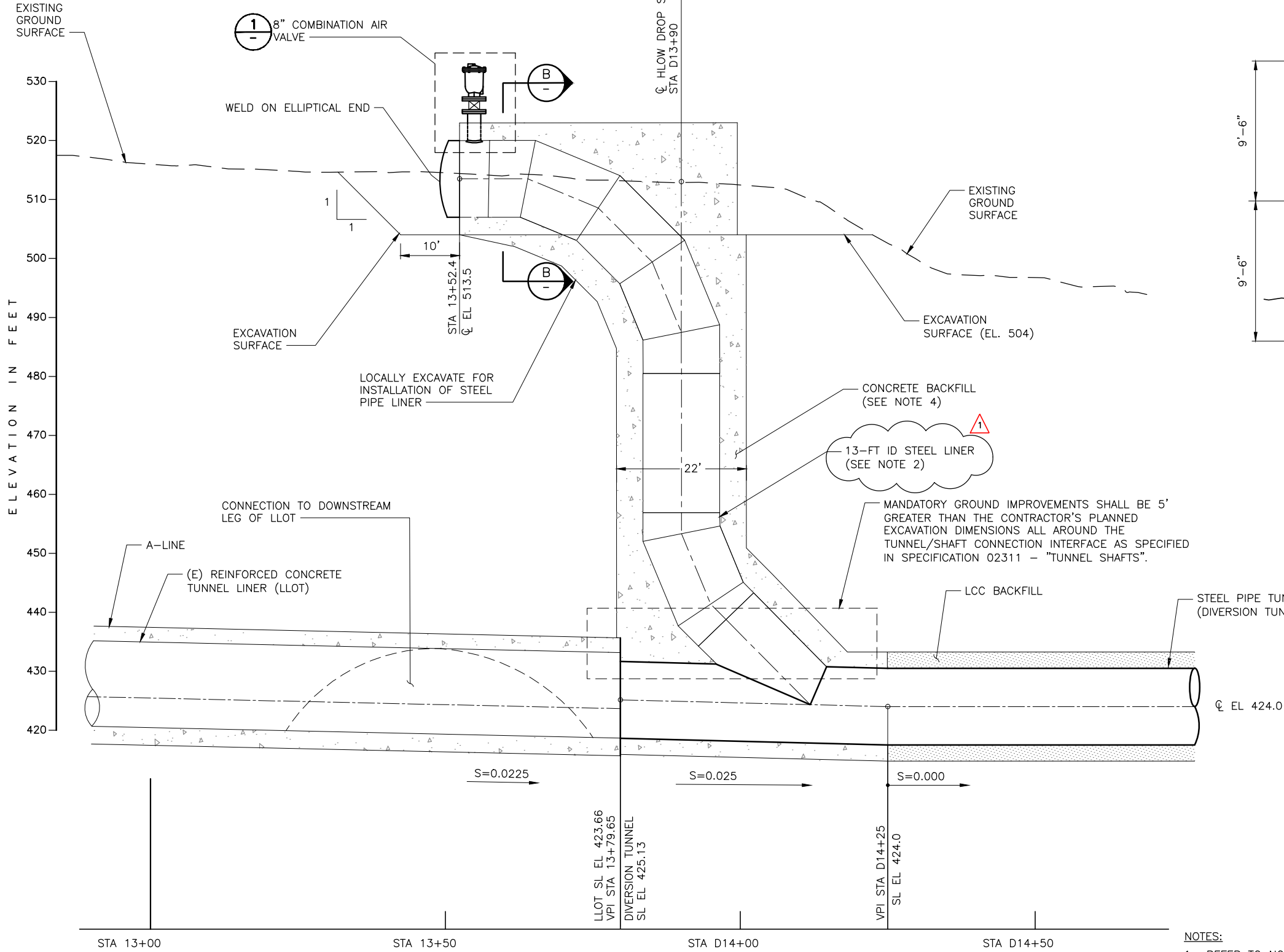
ATTACHMENT NO. 2

REVISED DRAWINGS

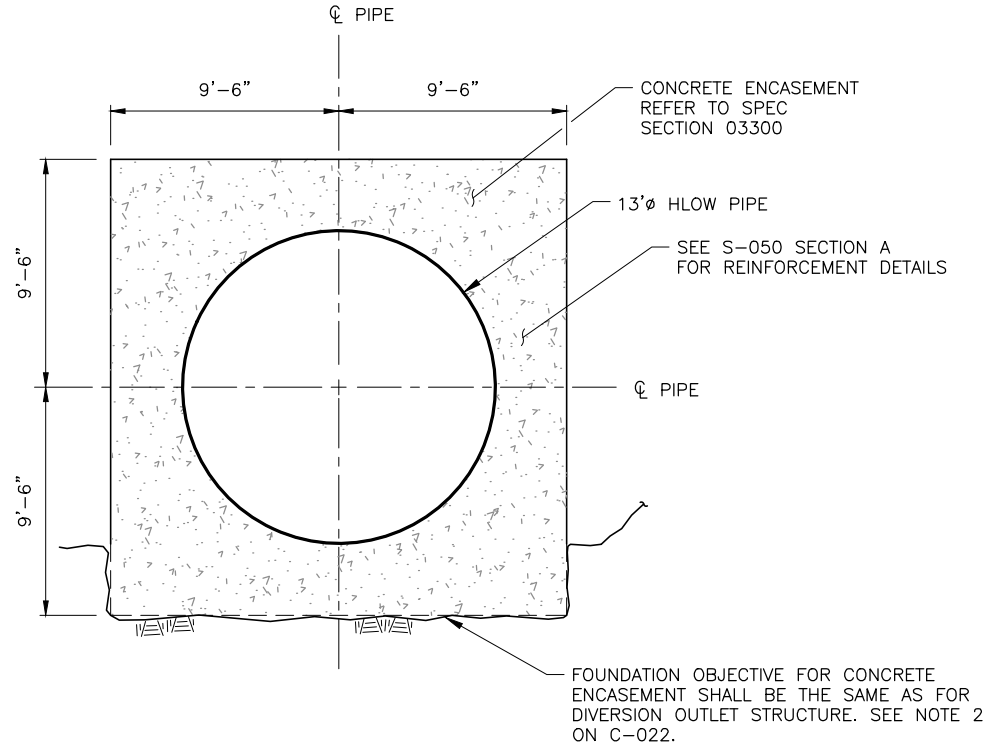
- a) C-031: High Level Outlet Works - Drop Shaft Area Profile (Sheet No. 39 of 146)
- b) C-108: North Weir Wall - Plan, Elevation View & Section (Sheet No. 48 of 146)
- c) C-300: Instrumentation Plan and Schedule (Sheet No. 60 of 146)
- d) S-004: Typical Ladder and Guardrail Details (Sheet No. 81 of 146)
- e) S-005: Typical Cover Plate and Grating Detail (Sheet No. 82 of 146)
- f) S-023: Diversion Outlet Structure – Sections & Details Sheet 1 (Sheet No. 87 of 146)
- g) S-024: Diversion Outlet Structure – Sections & Details Sheet 2 (Sheet No. 88 of 146)
- h) S-025: Diversion Outlet Structure – Sections & Details Sheet 3 (Sheet No. 89 of 146)
- i) C-108: North Weir Wall - Details & Section (Sheet No. 101 of 146)

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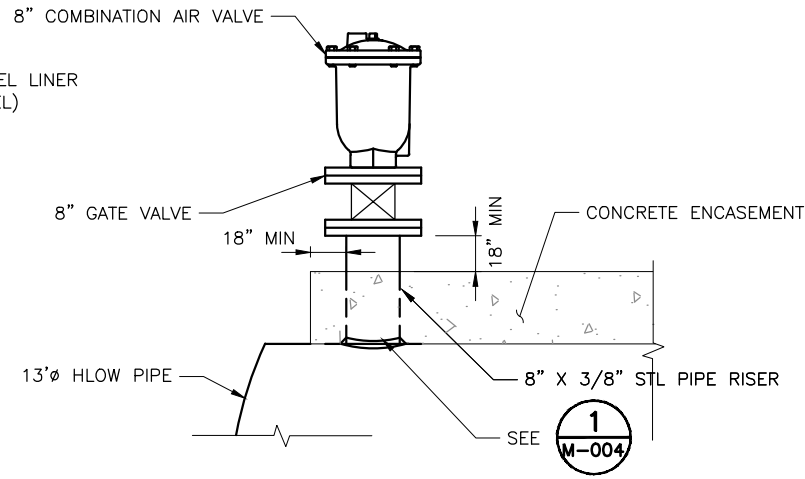
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ELEVATION A HLOW DROP SHAFT
C-030
SCALE: 1" = 10'

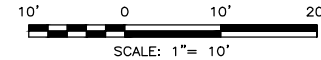


SECTION B CONCRETE ENCASMENT
SCALE: 1/4"=1'-0"



DETAIL 1 COMBINATION AIR VALVE
SCALE: NTS

- NOTES:
- REFER TO NOTES ON C-030.
 - FOR PIPE FITTING DETAILS AND SCHEDULE SEE M-002.
 - FOR TUNNEL LINING SECTIONS, SEE C-010, C-016 AND C-017.
 - SHAFT SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. MINIMUM TOTAL LINING THICKNESS SHALL BE 4.5 FEET.



REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
1	1. REFERENCED PIPE SCHEDULE (ADD #1)	02/21	JWR	
ADDENDA DRAWING 02-15-2021 CEII - DO NOT RELEASE				

300 Lakeside Drive, Suite 400
Oakland, CA 94612
Tel: (510) 893-3600
Fax: (510) 874-3268

DATE
1/18/21

DESIGN
ST

DRAWN
ST

CHECKED
JWR

ENGINEERING CERTIFICATION

1/18/21

PROJECT ENGINEER DATE

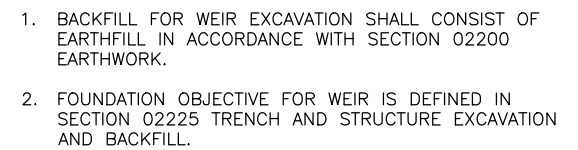
SANTA CLARA VALLEY WATER DISTRICT

CHRISTOPHER HAKES
PROJECT MANAGER

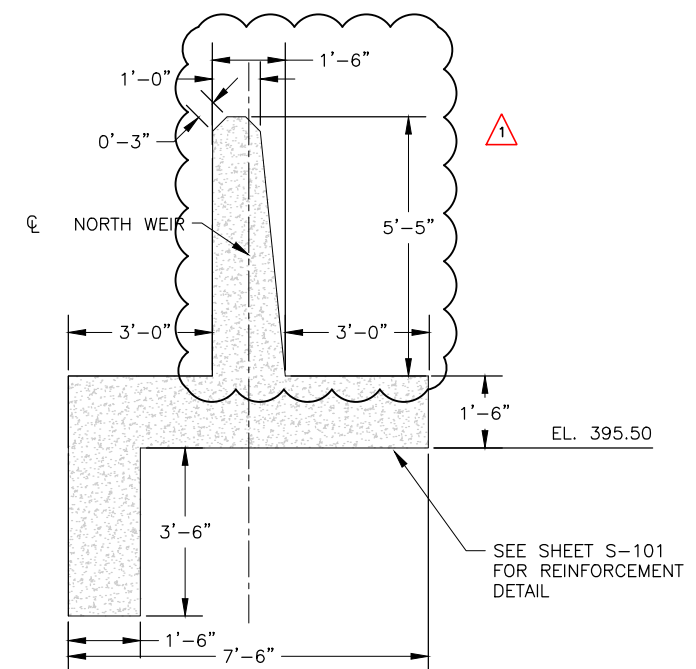
1/18/21

ACCEPTED BY DISTRICT DATE

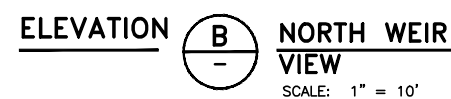
SCALE	PROJECT NUMBER
AS NOTED	91864005
VERIFY SCALES	SHEET CODE: 1
0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	C-031
	SHEET NUMBER: 39 OF 146



SCALE: 1" = 10'



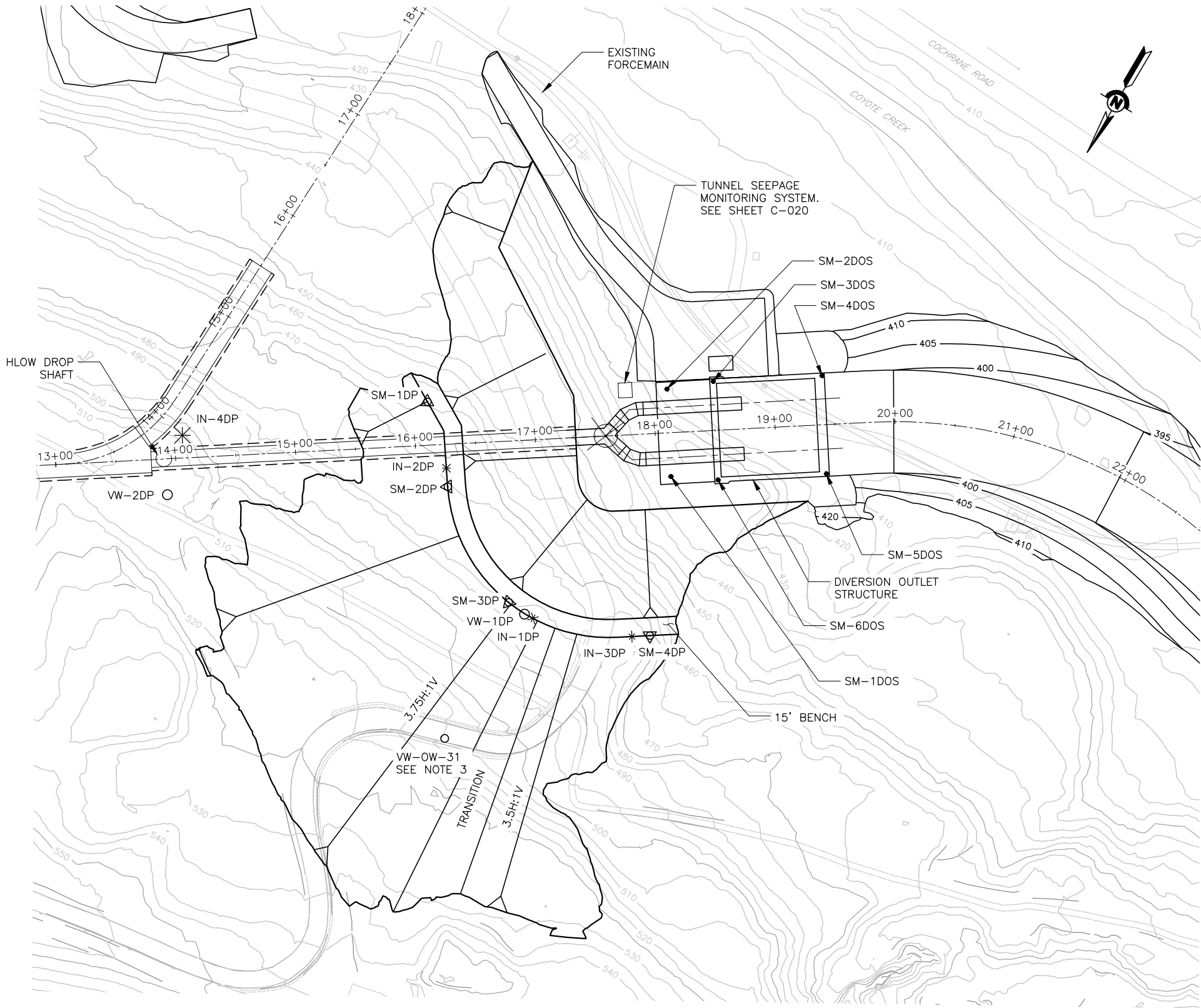
SCALE: 1" = 2'



REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	1. REVISED WEIR CREST HEIGHT (ADD. #1)	02/21	JWR	 300 Lakeside Drive, Suite 400 Oakland, CA 94612 Tel: (510) 893-3600 Fax: (510) 874-3268	1/18/21			ANDERSON DAM TUNNEL PROJECT NORTH WEIR WALL PLAN, ELEVATION VIEW & SECTION	1" = 10' VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91864005 SHEET CODE: 1 C-108 SHEET NUMBER: 48 OF 146
				ADDENDA DRAWING 02-15-2021 CEII - DO NOT RELEASE						

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DOCUMENT NUMBER:



PLAN
SCALE: 1" = 50'

LEGEND

- 420 — EXCAVATION CONTOUR
- 420 — EXISTING GROUND CONTOUR
- - - - - ORIGINAL EMBANKMENT CONTOUR
- △ SM-IDP SURVEY MONUMENT
- * IN-IDP INCLINOMETER
- VW-IDP VIBRATING WIRE PIEZOMETERS

NOTES:

- CONTRACTOR TO FIELD LOCATE AN INCLINOMETER WITHIN 10 FEET OF ANY POTENTIAL LOCALIZED EXCAVATION THAT MAY BE USED TO FACILITATE THE PORTAL BREAK-OUT FOR THE TURN UNDER TO LAUNCH THE TUNNEL EXCAVATION.
- LOCATIONS OF MONUMENTS, PIEZOMETERS AND INCLINOMETERS TO BE CONFIRMED IN FIELD BY ENGINEER PRIOR TO CONSTRUCTION.
- VW-OW-31 SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 02010 AND ATTACHED DRILLING PROGRAM PLAN 8.

SURVEY MONUMENTS

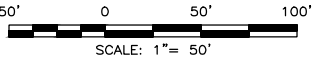
IDENTIFICATION	NORTHING	EASTING	ELEVATION
SM-1DP	1884898	6231524	460
SM-2DP	1884955	6231479	460
SM-3DP	1885021	6231392	460
SM-4DP	1884997	6231274	460
SM-1DOS	1884869	6231314	415
SM-2DOS	1884805	6231347	415
SM-3DOS	1884783	6231315	446
SM-4DOS	1884740	6231235	446
SM-5DOS	1884813	6231197	446
SM-6DOS	1884855	6231277	446

VIBRATING WIRE PIEZOMETERS

IDENTIFICATION	NORTHING	EASTING	SURFACE ELEVATION	TIP ELEVATION
VW-1DP	1885024	6231376	496	385
VW-2DP	1885059	6231687	512	400, 440, 480
VW-OW-31	1885147	6231393	510	SEE NOTE 3

INCLINOMETERS

IDENTIFICATION	NORTHING	EASTING	SURFACE ELEVATION	TIP ELEVATION
IN-1DP	1885025	6231368	460	285
IN-2DP	1884942	6231486	460	285
IN-3DP	1885004	6231287	460	285
IN-4DP	1885009	6231698	505	400



REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
1	1. IN-4DP TIP ELEVATION REVISED (ADD. #1)	02/21	JWR	
ADDENDA DRAWING 02-15-2021 CEII - DO NOT RELEASE				

URS
300 Lakeside Drive, Suite 400
Oakland, CA 94612
Tel: (510) 893-3600
Fax: (510) 874-3268

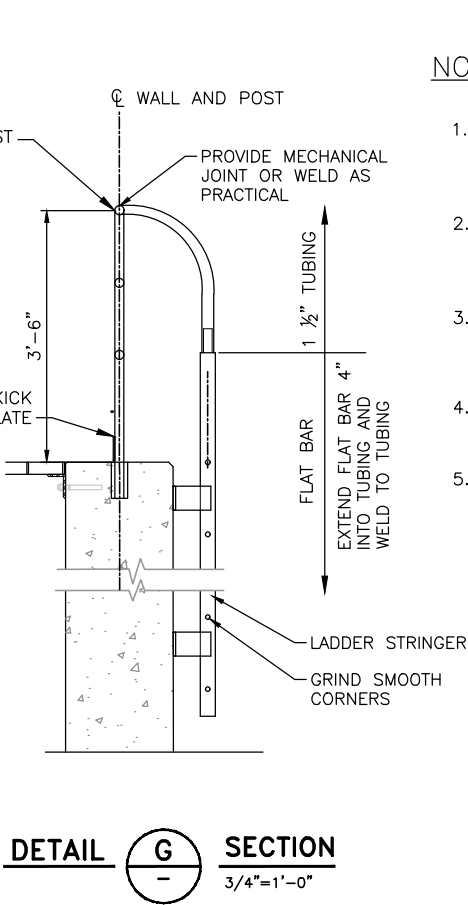
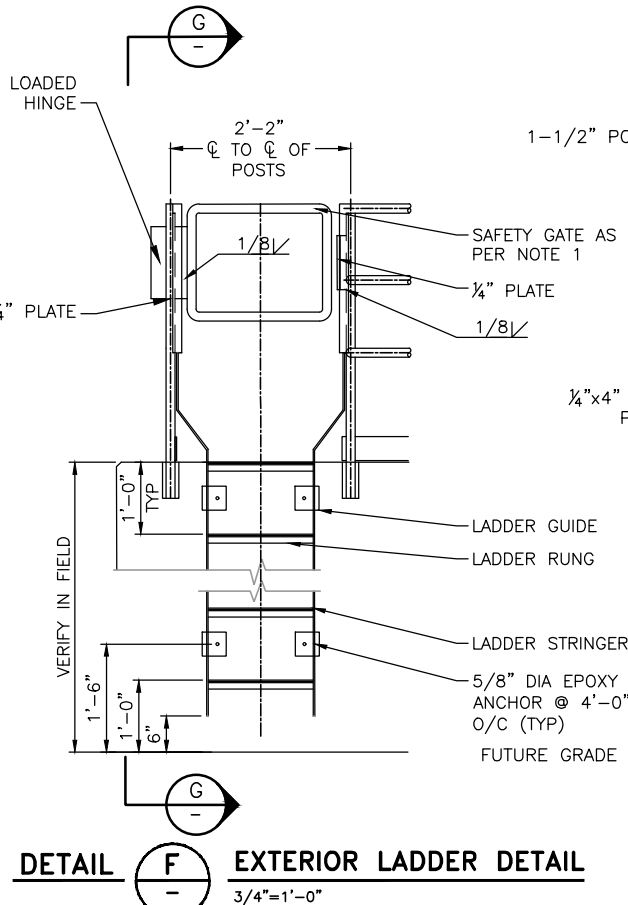
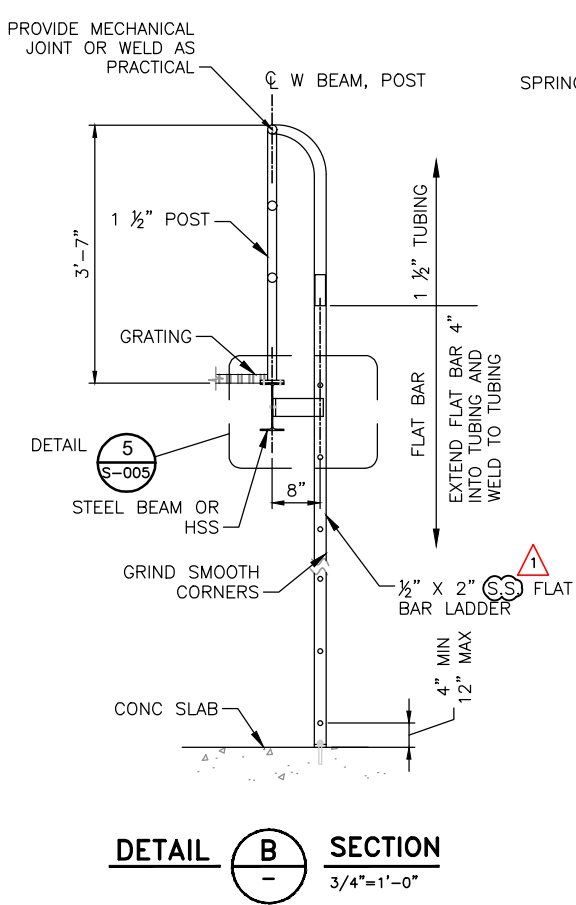
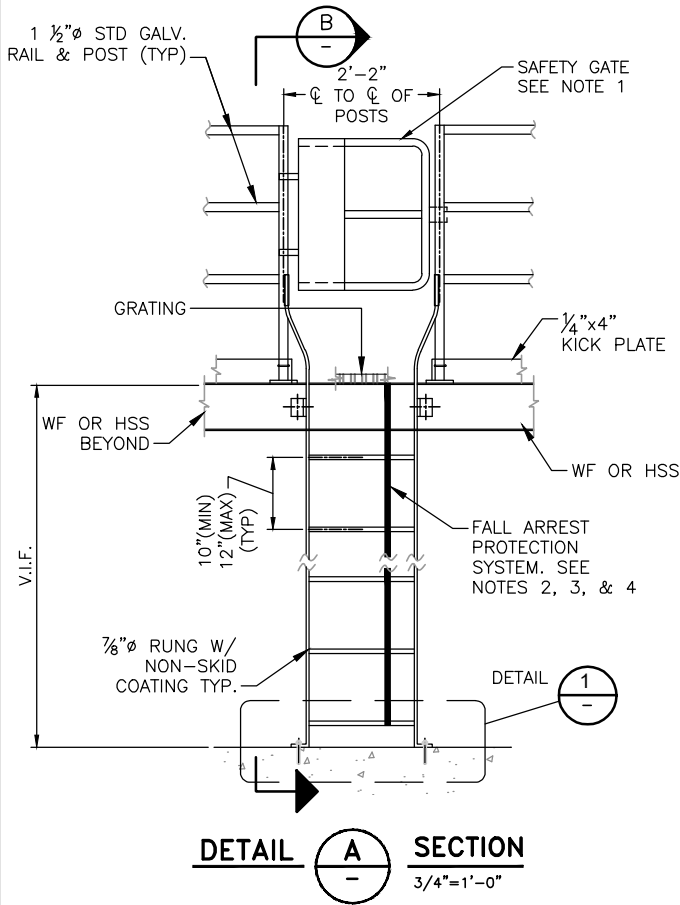
DATE 1/18/21	ENGINEERING CERTIFICATION
DESIGN ST	
DRAWN MLC	
CHECKED JWR	1/18/21
	PROJECT ENGINEER DATE

SANTA CLARA VALLEY WATER DISTRICT	
CHRISTOPHER HAKES	1/18/21
PROJECT MANAGER	ACCEPTED BY DISTRICT DATE

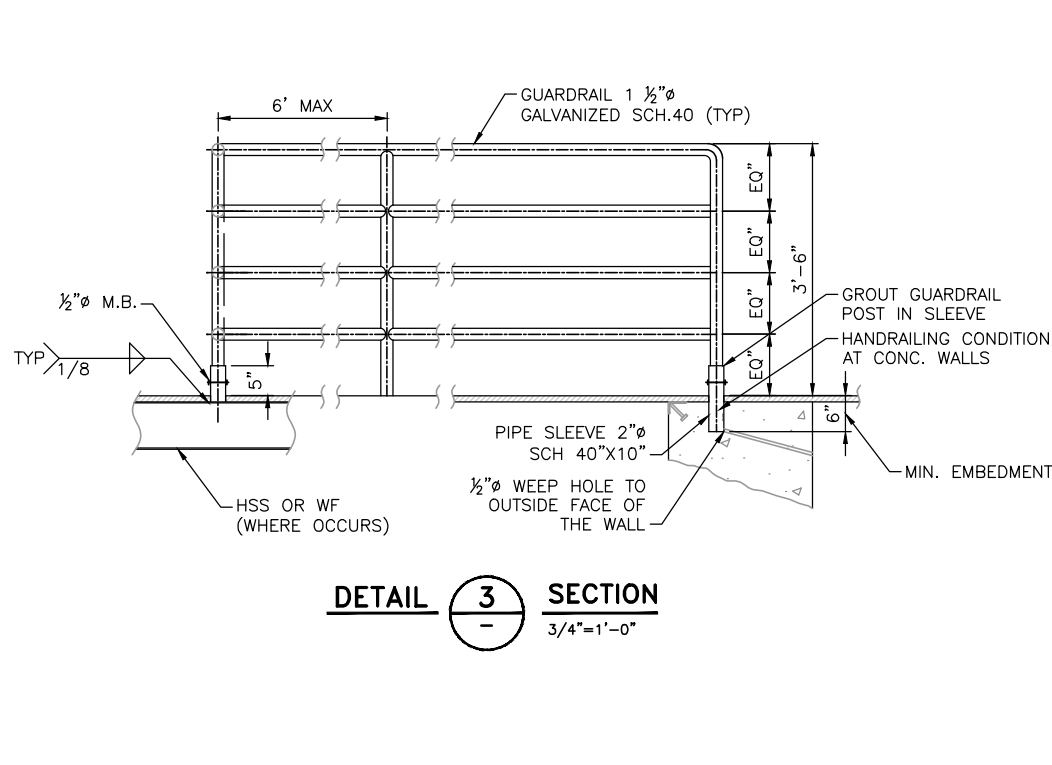
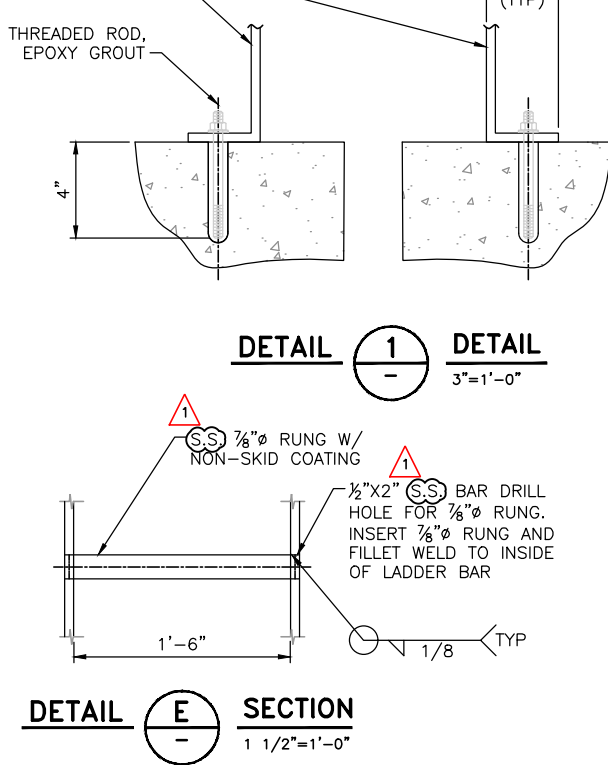
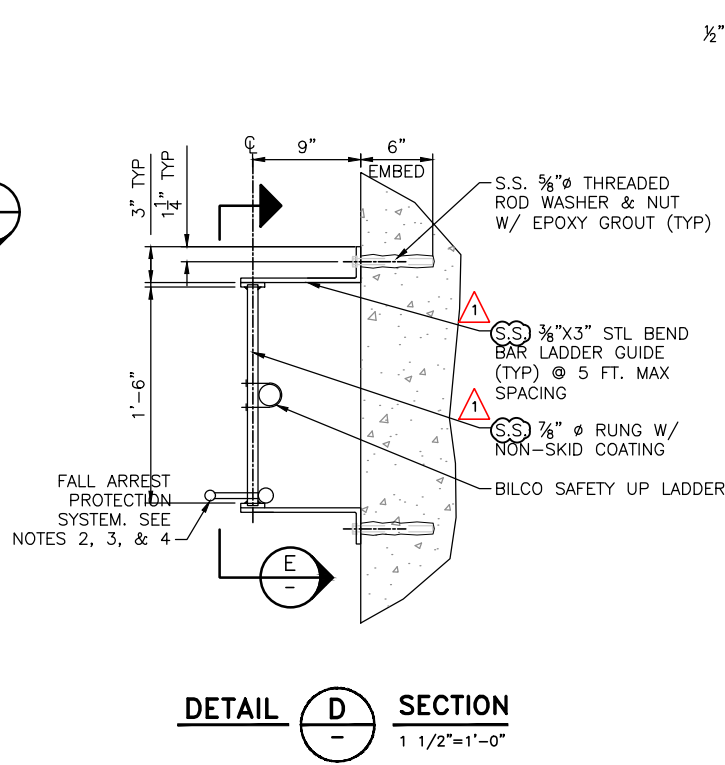
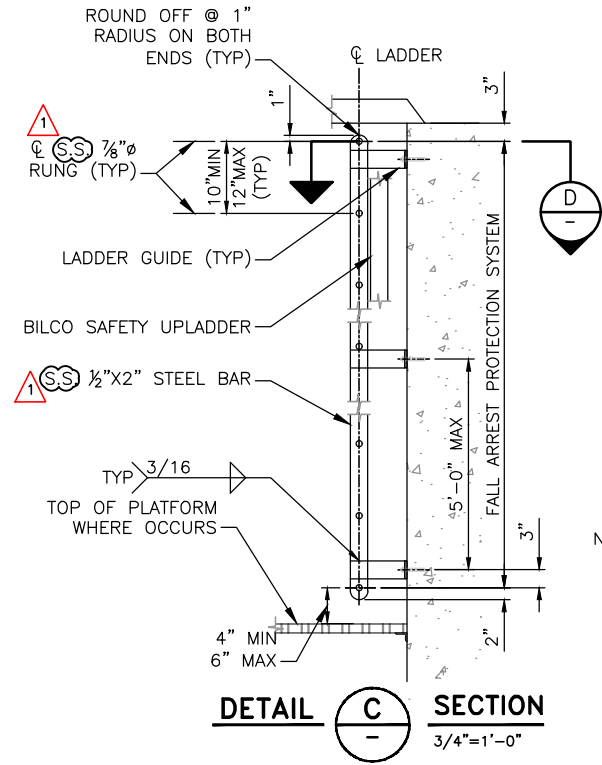
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ANDERSON DAM TUNNEL PROJECT
INSTRUMENTATION PLAN AND SCHEDULE

SCALE 1"=50'	PROJECT NUMBER 91864005
VERIFY SCALES 	SHEET CODE: C-300
	SHEET NUMBER: 60 OF 146

DOCUMENT NUMBER: XXXX-X-0000-0000000.00
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DATE: 02/15/21
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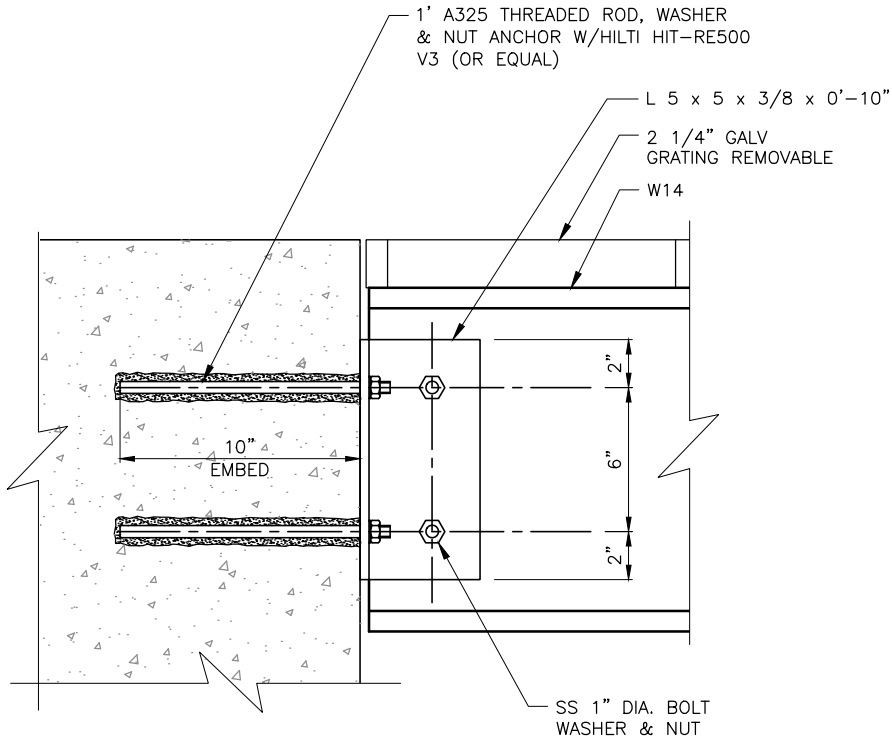


- NOTES:
- SELF-CLOSING LADDER SAFETY GATE SHALL BE MODEL #LSG-24" (PAINTED YELLOW) BY PSDOORS, 4212 GATEWAY DRIVE, GRAND FORKS, ND 58203 (1-800-284-0623).
 - FURNISH AND INSTALL CABLOC FALL ARREST PROTECTION SYSTEM TO BE MOUNTED AS SHOWN TO VERTICAL LADDER INCLUDING 2 (TWO) FALL ARRESTOR UNITS)AC350A) AND 2 (TWO) HARNESSES.
 - INSTALL SYSTEM IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION INCLUDING ADJUSTING CABLE TO PROPER TENSION.
 - SYSTEM INCLUDING HARNESSES ARE AVAILABLE FROM S & S SUPPLY AND SOLUTION (650-826-0344, G. FRANK).
 - GUARDRAIL (HANDRAIL) - UNLESS SHOWN OTHERWISE ON THE DRAWINGS, PROVIDE 4 RAIL SYSTEM AS SHOWN ON DETAIL 3 FOR OUTDOOR APPLICATIONS AND 3 RAIL SYSTEM WITH KICKPLATE AS SHOWN ON SECTION A FOR INDOOR APPLICATIONS.

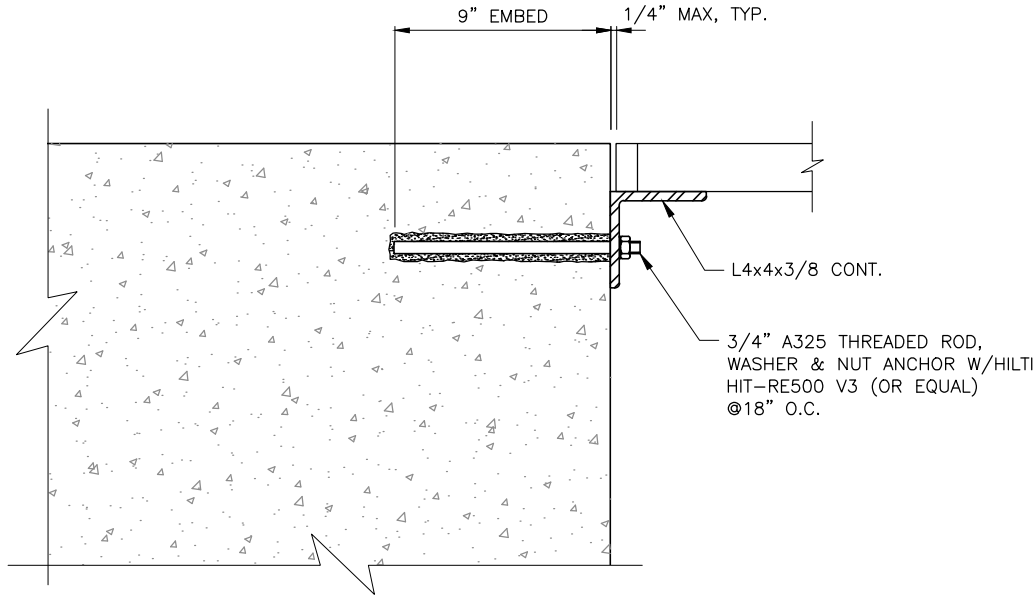


REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	1. CHANGED GALVANIZE TO STAINLESS STEEL (ADD. #1)	02/21	JWR		1/18/21			ANDERSON DAM TUNNEL PROJECT TYPICAL LADDER & GUARDRAIL DETAILS	NOT TO SCALE VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91864005 SHEET CODE: 1 S-004 SHEET NUMBER: 81 OF 146

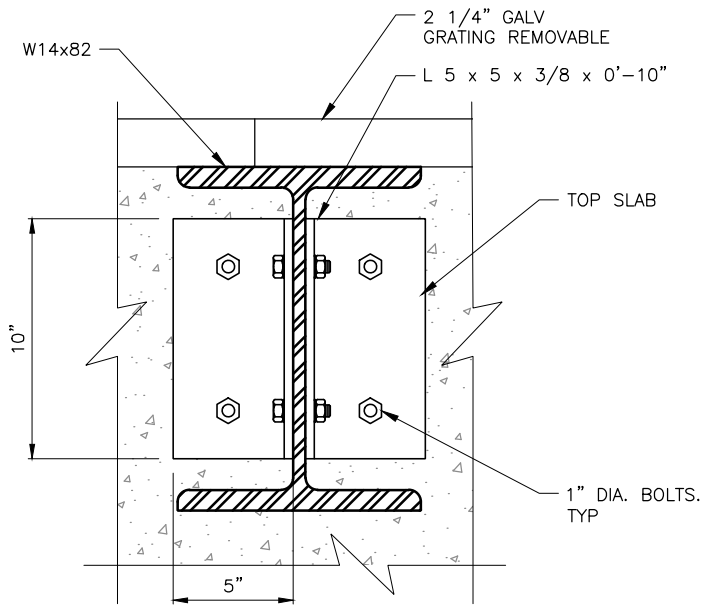
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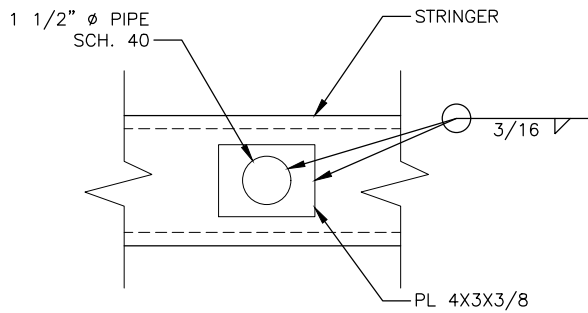
SECTION **B** BEAM CONNECTION
S-023 SCALE: 3"=1'-0"



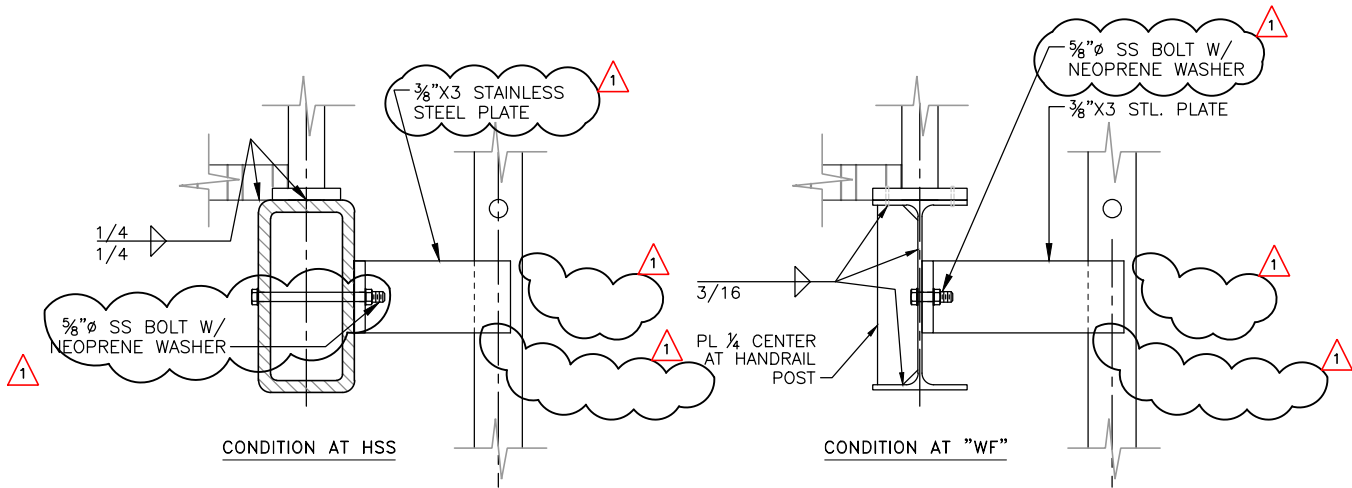
GRATING DETAL **2**
S-023 SCALE: 3"=1'-0"



BEAM DETAL **3**
S-023 SCALE: 3"=1'-0"



DETAIL **4** DETAIL
S-026 3"=1'-0"



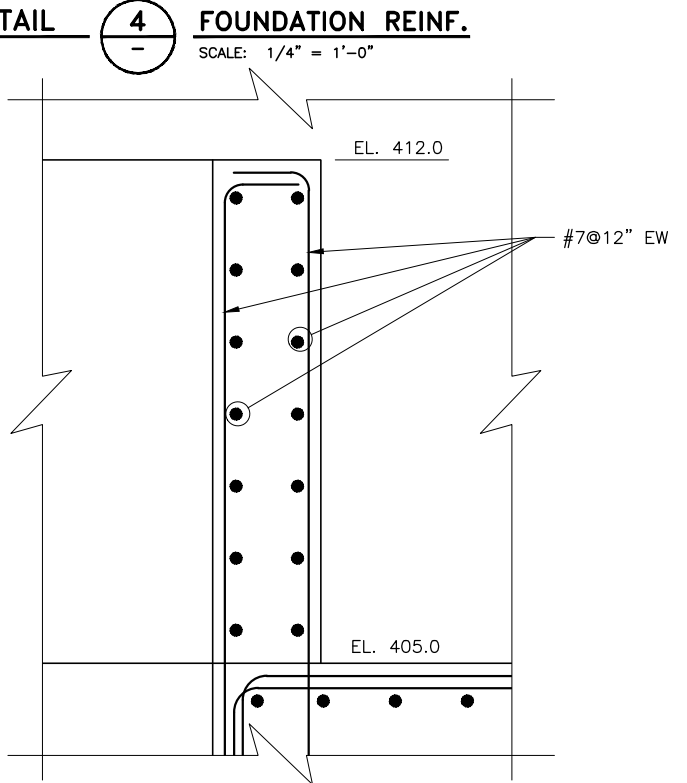
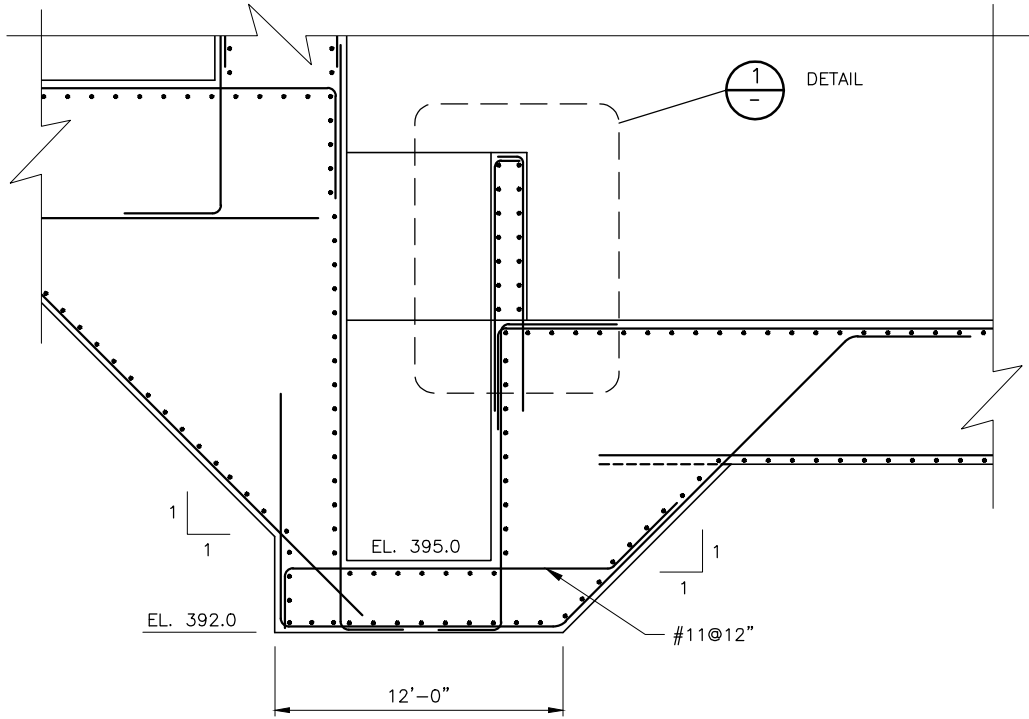
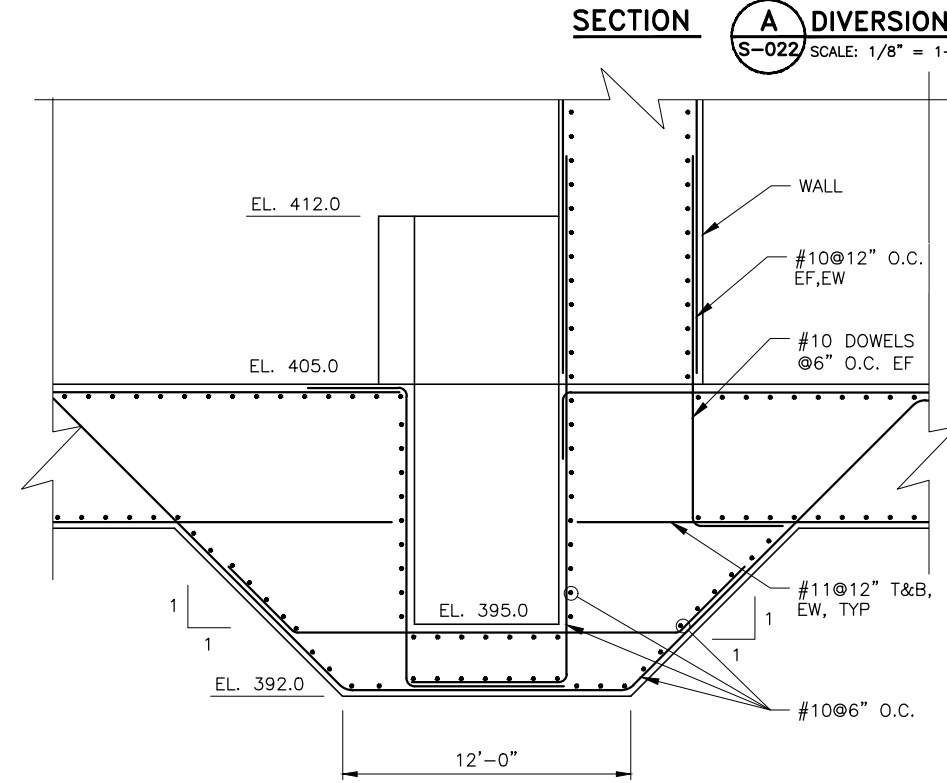
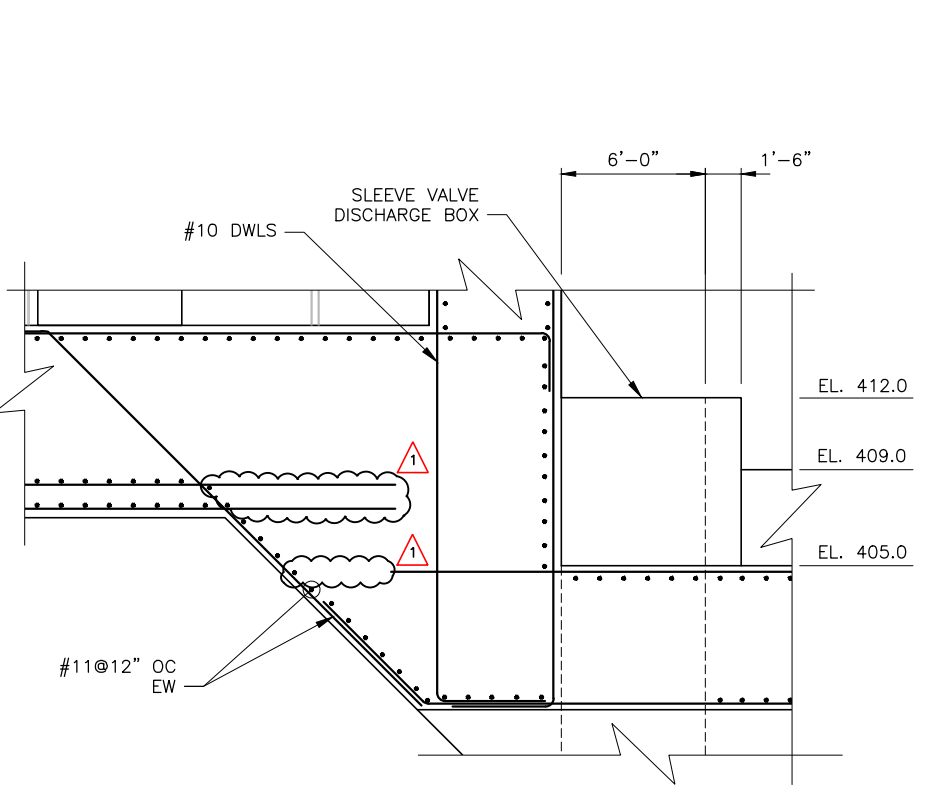
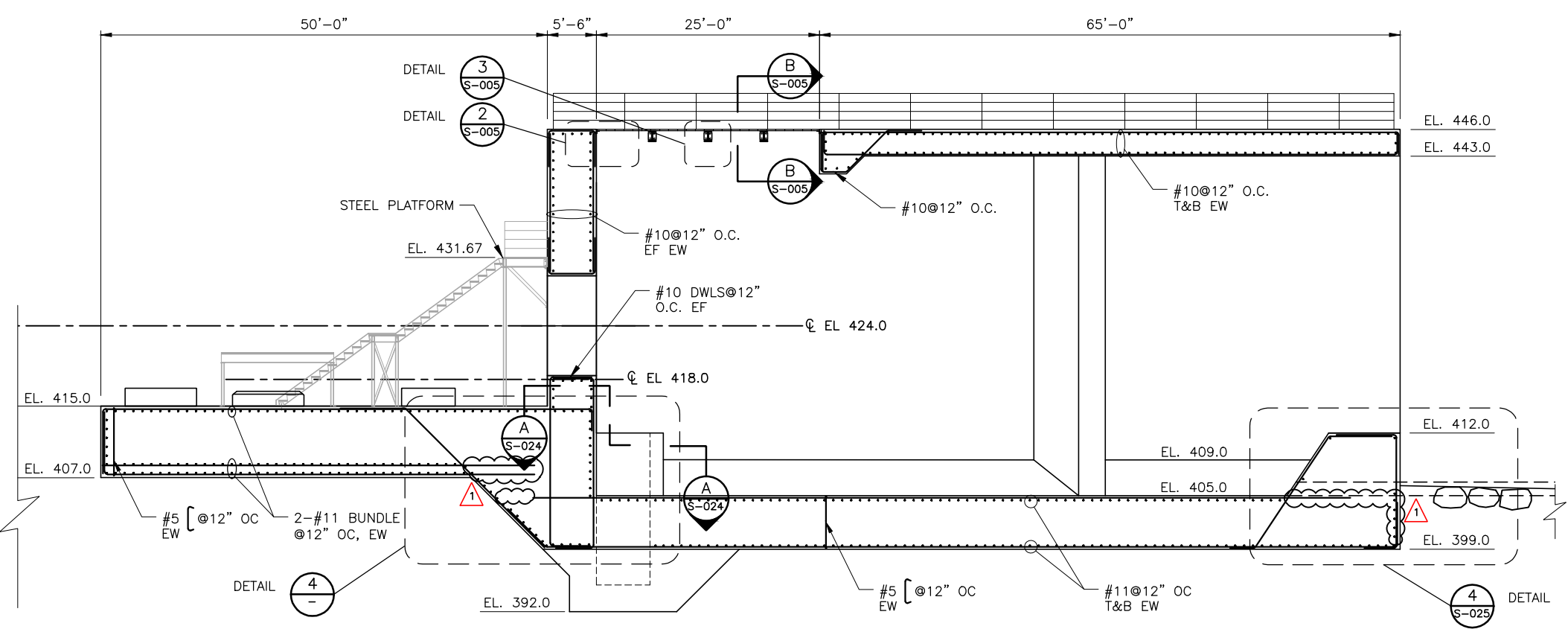
DETAIL **5** DETAIL
S-004 3"=1'-0"

DOCUMENT NUMBER: 1

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES	URS	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	1. REVISED CONNECTION TO BEAM	02/21	JJ		300 Lakeside Drive, Suite 400 Oakland, CA 94612 Tel: (510) 893-3600 Fax: (510) 874-3268	1/18/21 CJL DRAWN KL CHECKED MA	Valley Water CHRISTOPHER HAKES PROJECT MANAGER	ANDERSON DAM TUNNEL PROJECT TYPICAL COVER PLATE AND GRATING DETAILS	AS NOTED VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91864005 SHEET CODE: S-005 SHEET NUMBER: 82 OF 146

USERNAME: steven.tough 02/15/21 - 4:38pm
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DOCUMENT NUMBER:



REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
1	1. REVISED REBAR (ADD. #1)	02/21	JWR	
ADDENDA DRAWING 02-15-2021 CEII - DO NOT RELEASE				

300 Lakeside Drive, Suite 400
Oakland, CA 94612
Tel: (510) 893-3600
Fax: (510) 874-3268

DATE 1/18/21
DESIGN CJL
DRAWN KL
CHECKED MA

ENGINEERING CERTIFICATION
JAY L. LEE
C 82873
1/18/21
PROJECT ENGINEER DATE

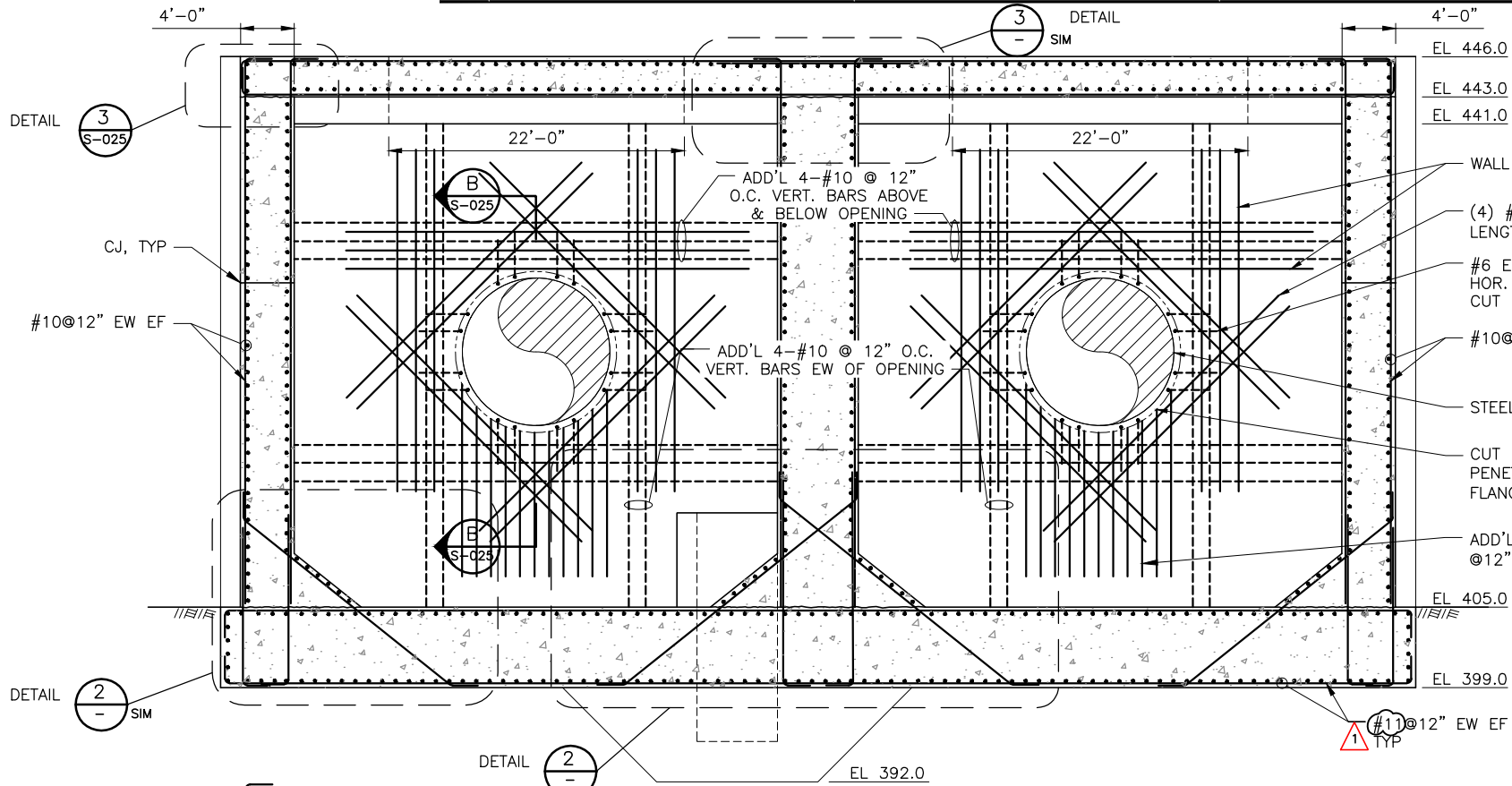
SANTA CLARA VALLEY WATER DISTRICT

CHRISTOPHER HAKES
PROJECT MANAGER
1/18/21
ACCEPTED BY DISTRICT DATE

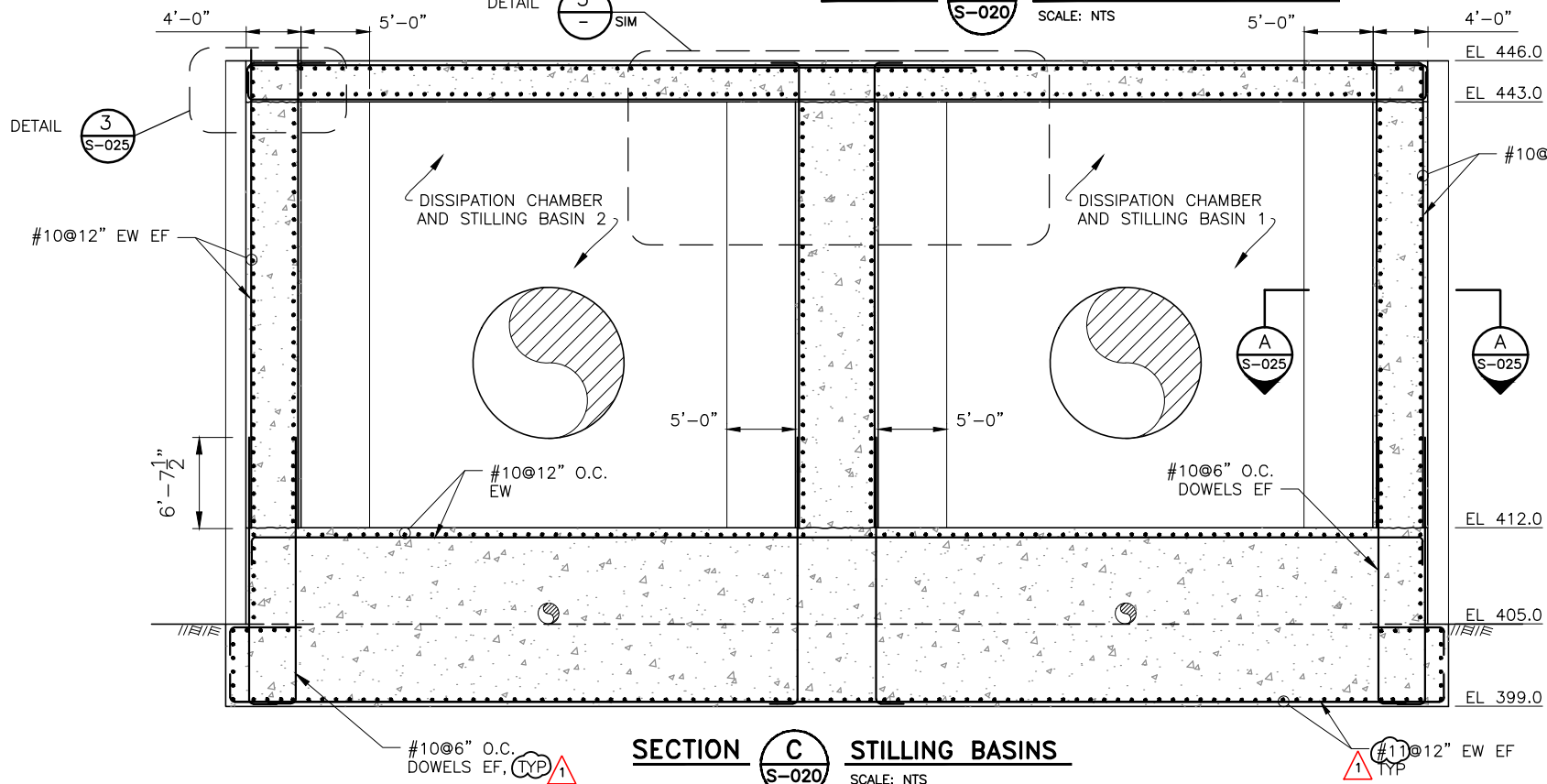
PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
ANDERSON DAM TUNNEL PROJECT DIVERSION OUTLET STRUCTURE SECTIONS AND DETAILS SHEET 1	AS NOTED VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91864005 SHEET CODE: 1 S-023 SHEET NUMBER: 87 OF 146

USERNAME: steven.tough 02/15/21 - 4:37pm
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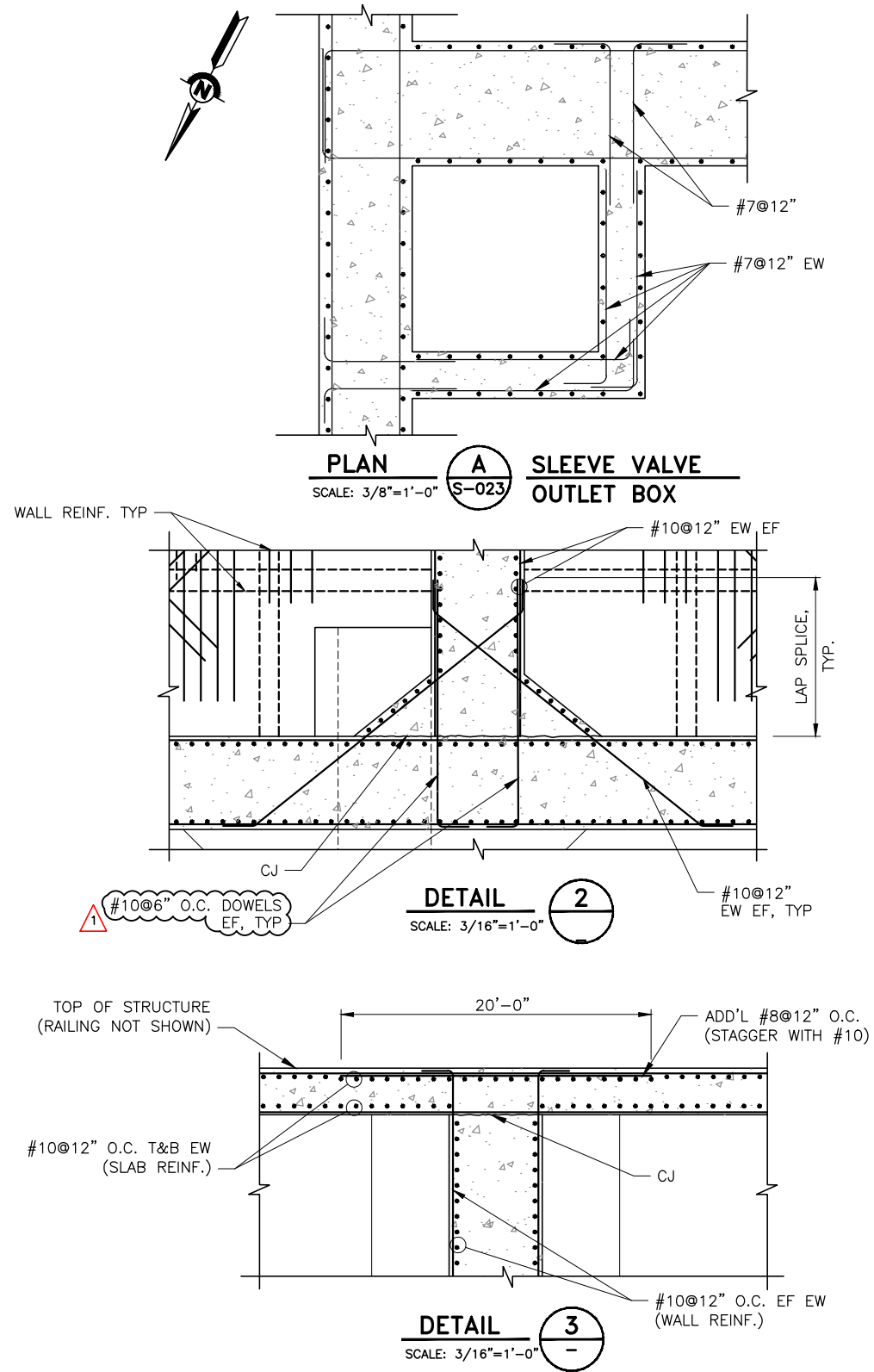
DOCUMENT NUMBER: 1



SECTION B DISSIPATION CHAMBERS
SCALE: NTS



SECTION C STILLING BASINS
SCALE: NTS



NOTES:

1. FOR CONCRETE OUTLINE DIMENSIONS SEE SHEETS S-020, S-021.
2. FOR TYPICAL REINFORCING DETAILS SEE SHEET S-003.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
1	1. REVISED REBAR (ADD. #1)	02/21	JWR	

ADDENDA DRAWING
02-15-2021
CEII - DO NOT RELEASE

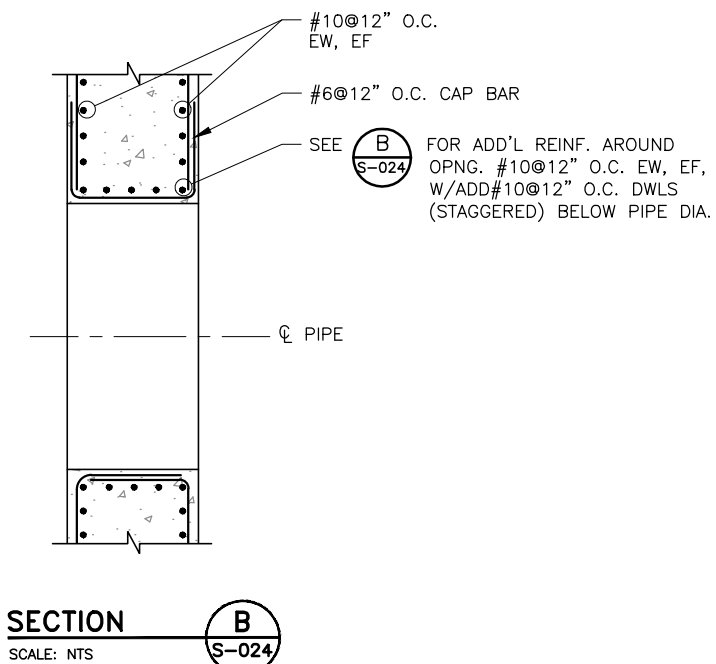
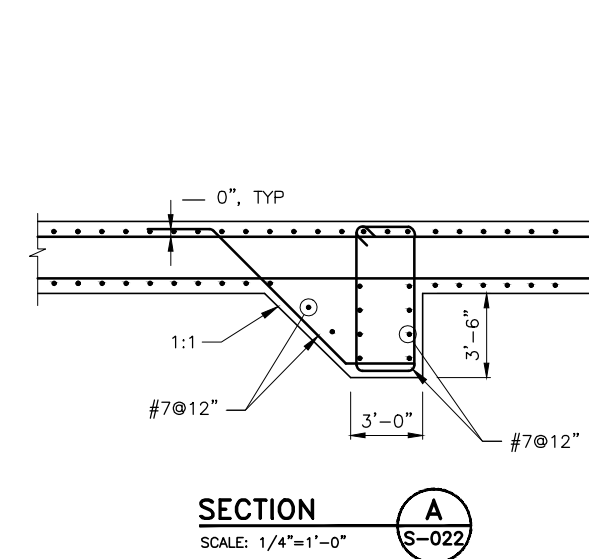
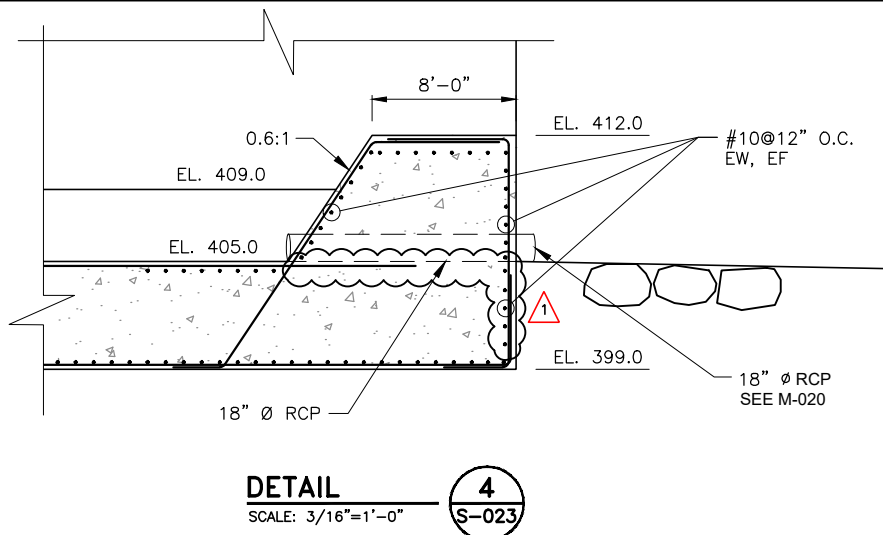
URS
300 Lakeside Drive, Suite 400
Oakland, CA 94612
Tel: (510) 893-3800
Fax: (510) 874-3268

ENGINEERING CERTIFICATION
DATE 1/18/21
DESIGN CJL
DRAWN KL
CHECKED MA
PROJECT ENGINEER DATE

SANTA CLARA VALLEY WATER DISTRICT
Valley Water
CHRISTOPHER HAKES
PROJECT MANAGER
1/18/21
DATE

SCALE	PROJECT NUMBER
AS NOTED	91864005
VERIFY SCALES	SHEET CODE: 1
0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	S-024
	SHEET NUMBER: 88 OF 146

ANDERSON DAM TUNNEL PROJECT
DIVERSION OUTLET STRUCTURE SECTIONS AND DETAILS
SHEET 2

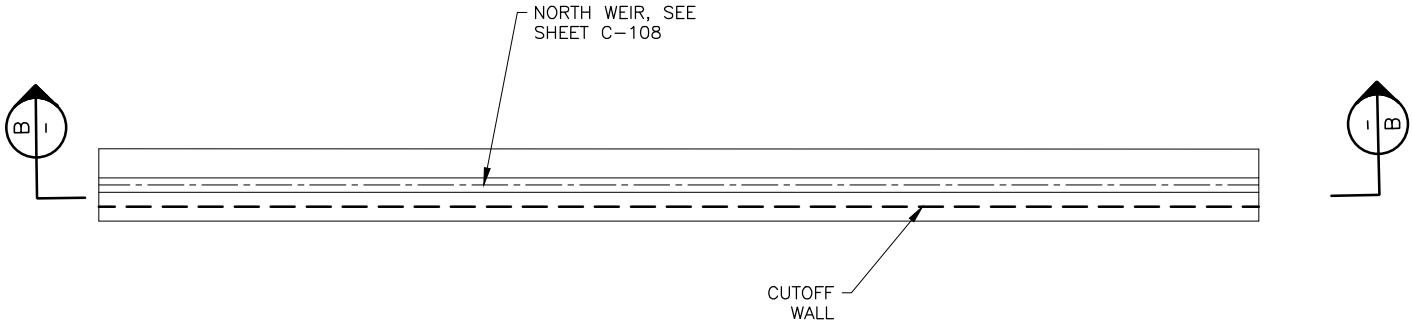


1. FOR CONCRETE OUTLINE DIMENSIONS SEE SHEETS S-020, AND S-021.
2. FOR TYPICAL REINFORCING DETAILS SEE SHEET S-003.

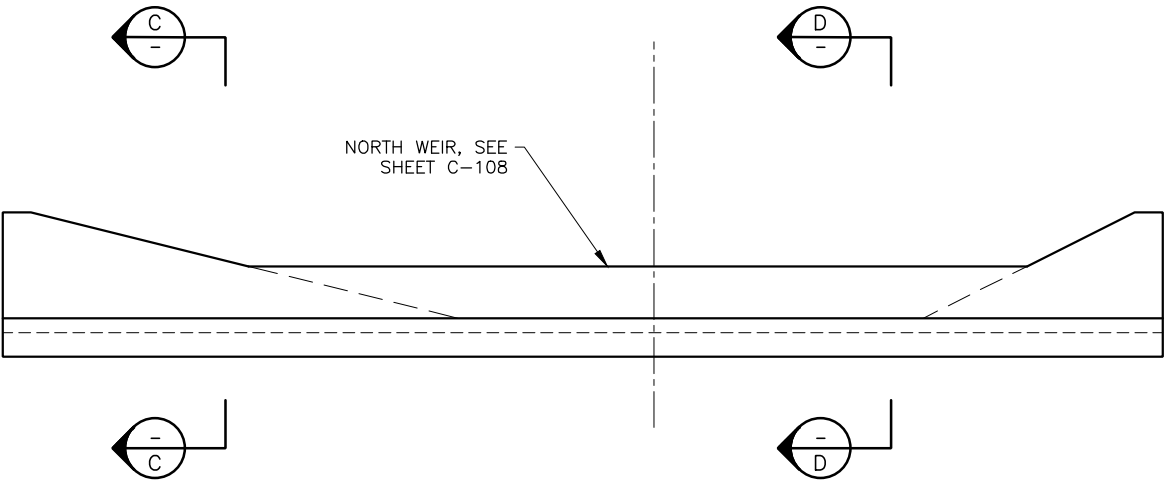
REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	1. REVISED REBAR (ADD. #1)	02/21	JWR	 300 Lakeside Drive, Suite 400 Oakland, CA 94612 Tel: (510) 893-3600 Fax: (510) 874-3268	1/18/21			ANDERSON DAM TUNNEL PROJECT DIVERSION OUTLET STRUCTURE SECTIONS AND DETAILS SHEET 3	AS NOTED VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91864005 SHEET CODE: A S-025 SHEET NUMBER: 89 OF 146
				ADDENDA DRAWING 02-15-2021 CEH - DO NOT RELEASE			CHRISTOPHER HAKES PROJECT ENGINEER DATE	ACCEPTED BY DISTRICT DATE		

USERNAME: steven.tough 02/15/21 - 4:34pm
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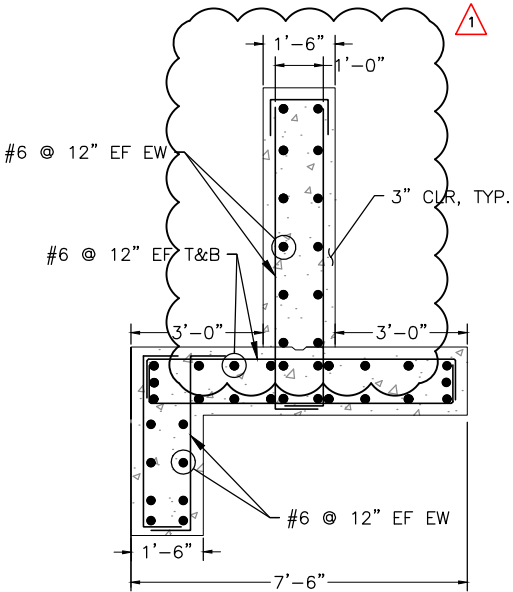
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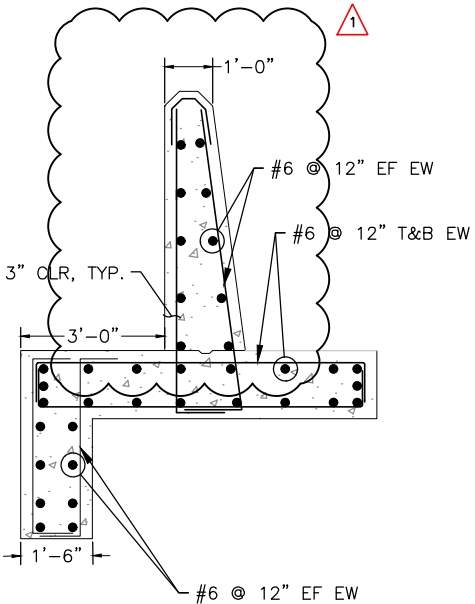
NORTH WEIR WALL AND ABUTMENTS PLAN
SCALE: 1" = 10'



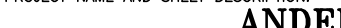
ELEVATION NORTH WEIR VIEW
SCALE: 1" = 10'



SECTION C NORTH WEIR SECTION VIEW
SCALE: 1" = 2'



SECTION D NORTH WEIR SECTION VIEW
SCALE: 1" = 2'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	1. REVISED WEIR CREST HEIGHT (ADD. #1)	02/21	JWR	URS 300 Lakeside Drive, Suite 400 Oakland, CA 94612 Tel: (510) 893-3600 Fax: (510) 874-3268	PROFESSIONAL ENGINEER CHRISTOPHER HAKES C 82873 STATE OF CALIFORNIA 1/18/21	 CHRISTOPHER HAKES 1/18/21	ANDERSON DAM TUNNEL PROJECT NORTH WEIR WALL DETAILS AND SECTIONS	AS SHOWN VERIFY SCALES 01" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	91864005 SHEET CODE: 1 S-101 SHEET NUMBER: 101 OF 146