ADDENDUM NO. 1 to the CONTRACT DOCUMENTS, SPECIFICATIONS, AND CONSTRUCTION DRAWINGS for construction of Claybar Siphon for SABINE RIVER AUTHORITY in ORANGE COUNTY, TEXAS October 4, 2024

Addendum No. 1 covers the following changes to the contract documents, technical specifications, and construction drawings:

CONTRACT DOCUMENTS

1. BID FORM

Remove and replace with the attached bid form. The quantities for bid items 8 and 10 have been revised.

CONSTRUCTION DRAWINGS

1. SHEET C3 – Phase 1 Plan View

Remove and replace with the attached sheet.

- SHEET C4 Phase 1 Profile View Remove and replace with the attached sheet.
- SHEET C11 East Headwall Remove and replace with the attached sheet.
- SHEET C12 West Headwall Remove and replace with the attached sheet.
- SHEET C13 Structural Details Remove and replace with the attached sheet.
- SHEET C14 Miscellaneous Details Remove and replace with the attached sheet.

ADDITIONAL DOCUMENTS

- 1. EXISTING CLAYBAR SIPHON DRAWINGS For Record Only – Existing siphons drawings.
- GEOTECHNICAL DATA REPORT 238 ACRE TERMINAL STORAGE For Record Only – Geotechnical data report for adjacent borrow site.



1000

Alan Moon, PE Quiddity Engineering, LLC TBPE Firm No. 23290

END OF ADDENDUM NO. 1

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to: Sabine River Authority of Texas: Gulf Coast Division RFB # 24-0201E
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents. All prices shall be stated in both words and figures; however, do not extend the unit price. If the unit price is extended, the extension shall be ignored in tabulating the bids(*). In case of discrepancy between the written amounts and the figures, the written amounts shall govern.

ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
 - A. Required Bid security;
 - B. Vendor Certification to State Law;
 - C. Conflict of Interest;
 - D. Required Bidder Qualification Statement with supporting data;
 - E. Form W-9;
 - F. Bonding Company Information
 - G. Bid Opening Sheet
 - H. Non-Collusion Affidavit(s)
 - I. Additional Items as stipulated in the request

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

- 3.01 Unit Price Bids
 - A. Bidder will perform the following Work at the indicated unit prices:

BASE BII	d items				
<u>ITEM</u> <u>NO.</u> 1.	<u>0тү.</u> 1	<u>unit</u> LS	DESCRIPTION Move-in and start-up, including performance, payment and maintenance bonds for 100 percent (100%) of the contract amount, construction materials, and construction staking, and all necessary permits and fees.	<u>UNIT AMOUNT</u>	<u>TOTAL PRICE</u>
			DOLLARS		
			Lump Sum	\$	\$
2.	640	LF	84-inch (84") diameter 0.5-inch (1/2") thick Steel Siphon Pipe by open cut construction as shown on the construction drawings (including fittings, bedding, backfill, protective coatings, and testing) Complete in Place.		
			DOLLARS		
			CENTS	\$	\$
			Linear Foot		
3.	2	EA	84-inch (84") diameter 0.5-inch (1/2") thick Steel Siphon Pipe 10-foot (10') Stub Outs with welded end caps for future siphon as shown on construction drawings, Complete in Place.		
			DOLLARS		
			CENTS	\$	\$
			Each		
4.	2	EA	Furnish and Install 84-inch (84") Temporary Cap for Phase 1 Construction, Complete in Place.		
			DOLLARS		
			CENTS	\$	\$
			Each		

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5.	4	EA	Furnish and Install 72-inch (72") Plug for abandonment of existing 72-inch (72") Siphon, Complete in Place.	
			DOLLARS	
			CENTS	\$ \$
			Each	
6.	1	LS	East Headwall including wingwalls, grating, stop log frames, and excavation, bedding, backfill, Complete in Place.	
			DOLLARS	
			CENTS	\$ \$
			Lump Sum	
7.	1	LS	West Headwall including wingwalls, grating, stop log frames, and excavation, bedding, backfill, Complete in Place.	
			DOLLARS	
			CENTS	\$ \$
			Lump Sum	
8.	87	СҮ	Concrete Pipe Saddle, Complete in Place	
			DOLLARS	
			CENTS	\$ \$
			Cubic Yard	
9.	1	LS	Phase 1 Temporary Diversion Channel (estimated 1,724 CY excavation, 368 CY fill and compaction) as show on construction drawings, Complete in Place	
			DOLLARS	
			CENTS	\$ \$
			Lump Sum	
10.	183	LF	Temporary Sheet Piling as shown on construction drawings, Complete in Place	
			DOLLARS	
			CENTS	\$ \$
			Linear Feet	

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			drawings, Complete in Place.		
			DOLLARS		
			CENTS	\$	\$
			Square Yard		
12.	1,431	СҮ	Canal Excavation. An estimated volume of 1,431 C.Y. has been calculated as required for cut for proposed canal. No adjustments will be made based on variance of actual quantities.		
			DOLLARS		
			CENTS	\$	\$
			Cubic Yard		
13.	2,260	СҮ	Fill and Grading. An estimated volume of 2,260 C.Y. has been calculated as required for fill for proposed canal. No adjustments will be made based on variance of actual quantities.		
			DOLLARS		
			CENTS	\$	\$
			Cubic Yard		
14.	1	LS	Trench Safety, Complete in Place.		
			DOLLARS		
			CENTS	\$	\$
			Lump Sum	<u> </u>	
15.	0.25	AC	Clearing and Grubbing, Including Removal and Off-Site Disposal, Complete in Place		
			DOLLARS		
			CENTS	\$	\$
			Acre	Ψ	<u> </u>
16.	1	LS	Site Restoration to original or better condition, Complete in Place.		
			DOLLARS		
			CENTS	\$	\$
			Lump Sum	. <u> </u>	

SY Stone Rip Rap as shown on construction

11.

564

17.	0.25	AC	Hydromulch seeding and soil stabilization of disturbed areas. Contractor to ensure soil stabilization by whatever means necessary, including use of geotextiles, erosion control blankets, turf reinforcement mats, or straw mulching, Complete in Place.	
			DOLLARS	
			CENTS	\$ \$
			Acre	
18.	1	EA	Fence Gate, Complete in Place	
			DOLLARS	
			CENTS	\$ \$
			Each	
19.	1	LS	Surface water and groundwater control, including well pointing, of the OCDD ditch and SRA canal work area as needed, Complete in Place	
			DOLLARS	
			CENTS	\$ \$
			Lump Sum	
20.	1	LS	Storm Water Pollution Prevention Plan implementation including maintenance, inspections and reporting for all pollution prevention measures as necessary, Complete in Place.	
			DOLLARS	
			CENTS	\$ \$
			Lump Sum	
21.	1,885	SY	Provide and place crushed concrete or rock (1.5" size) and limestone base access road, 4" minimum depth.	
			DOLLARS	
			CENTS	\$ \$
			Square Yard	

22.	2	EA	Provide Temporary Low Water Crossing as
			shown on construction drawings, Complete
			in Place.

	DOLLARS	
	CENTS \$	\$
	Each	
	SUBTOTAL BASE BID ITEMS:	\$
ADDITIVE ALTERN	ATE BID ITEMS	
<u>oty. unit</u> 1 LS	DESCRIPTION UNIT AMOUNT Demolition and disposal of steel piling headwalls and wingwalls, Complete in Place.	TOTAL PRICE
	DOLLARS	
	CENTS \$	\$
	Lump Sum	
	SUBTOTAL ADDITIVE ALTERNATE BID ITEMS:	\$
	TOTAL BID:	\$

- B. Bidder acknowledges that:
 - 1. Each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
 - 2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 4—TIME OF COMPLETION

ITEM

<u>NO.</u> 23.

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder agrees that the Work will be substantially complete as indicated in the Agreement, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions.
- 4.03 Bidder agrees that the Work will be substantially complete within the time stipulated in the Agreement and as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions.
- 4.04 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

- 5.01 Bid Acceptance Period
 - A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 5.02 Instructions to Bidders
 - A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 Receipt of Addenda

A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date	Received

ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

- 6.01 *Bidder's Representations*
 - A. In submitting this Bid, Bidder represents the following:
 - 1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 - 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 - 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 - 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 - 5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
 - 6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and

procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.

- 7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
- 8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- 9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
- 10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
- 11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

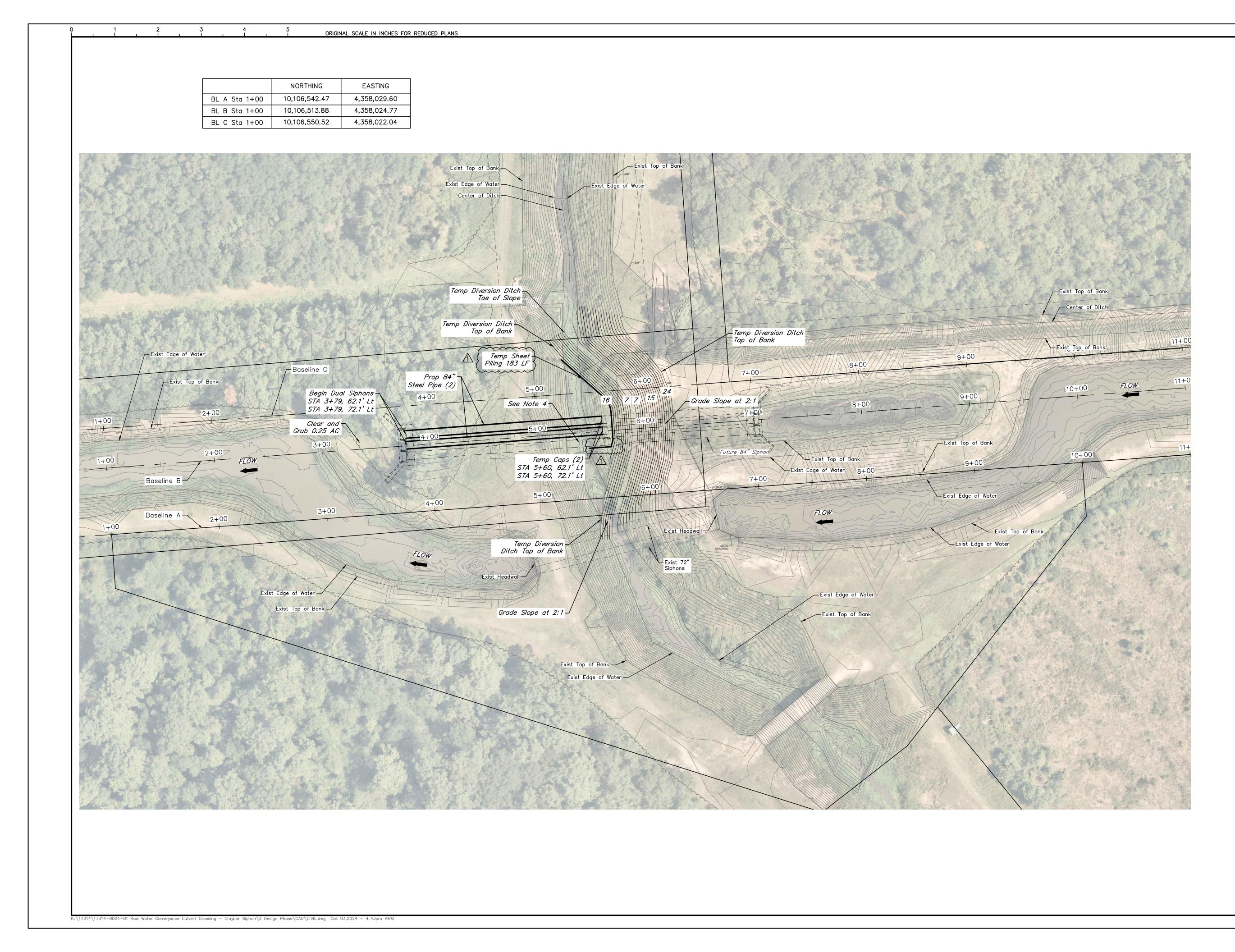
6.02 *Bidder's Certifications*

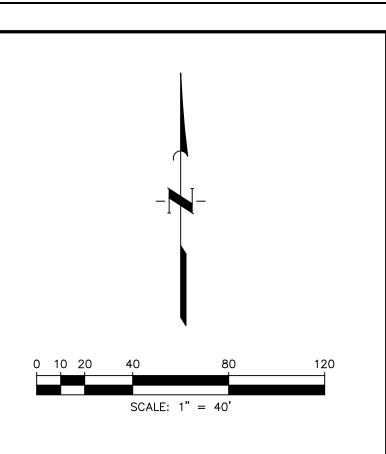
- A. The Bidder certifies the following:
 - 1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
 - 2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
 - 3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
 - 4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

	(typed or printed name of organization)
By:	
	(individual's signature)
Name:	(typed or printed)
Title:	(typed of printed)
THE.	(typed or printed)
Date:	
	(typed or printed)
If Bidder is	a corporation, a partnership, or a joint venture, attach evidence of authority to sign.
Attest:	
	(individual's signature)
Name:	(typed or printed)
Title:	
The.	(typed or printed)
Date:	
	(typed or printed)
Address f	or giving notices:
Bidder's (Contact:
Name:	
Humer	(typed or printed)
Title:	
	(typed or printed)
Phone:	
Email:	
Address:	
Bidder's (Contractor License No.: (if applicable)





BENCHMARK ELEVATIONS SHOWN HEREON ARE NAVD 88 AND BASED ON AN OPUS SOLUTION OF NATIONAL GEODETIC SURVEY BASE STATION DATA COLLECTED WITH A STATIC SURVEY ON APRIL 18, 2024. THE BASE STATIONS USED IN THE SOLUTION ARE, PID NUMBERS DM7838, DN4506, DK3579 AND BK1823.

<u>T.B.M. "A"</u> BEING A SQUARE CUT ON THE CONCRETE HEADWALL AT THE SOUTHWEST CORNER OF A WATER CONTROL STRUCTURE LOCATED ON THE SOUTH SIDE OF THE CANAL APPROXIMATELY 1300' EAST OF CANAL INTERSECTION.

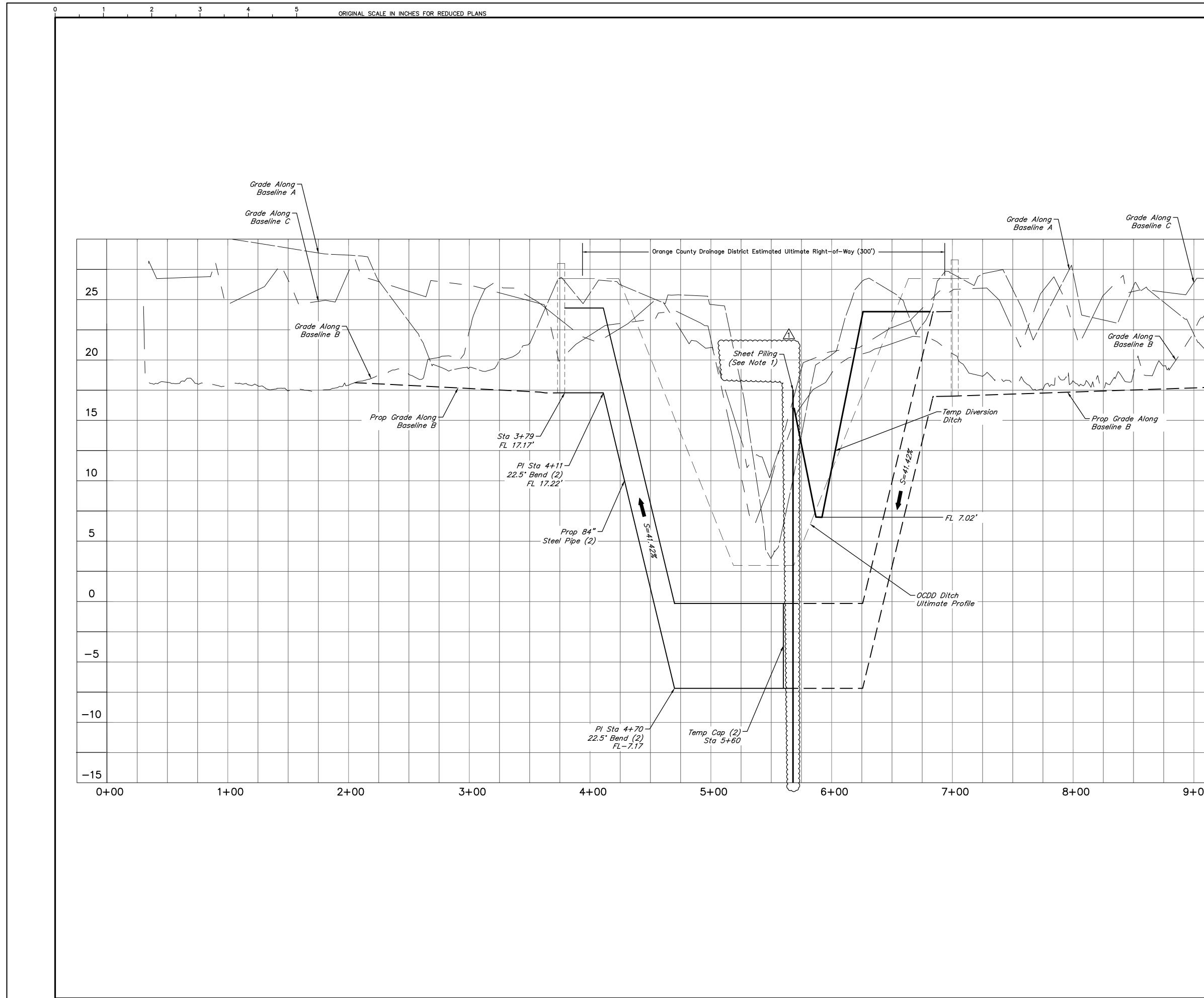
ELEVATION = 27.43 FEET, NAVD 88

<u>T.B.M "B"</u> BEING A PK NAIL WITH SHINER SET AT THE NE CORNER OF A WOODEN BRIDGE CROSSING THE DRAINAGE DITCH APPROXIMATLY 300' SOUTH OF THE CANAL INTERSECTION.

ELEVATION = 26.14 FEET, NAVD 88

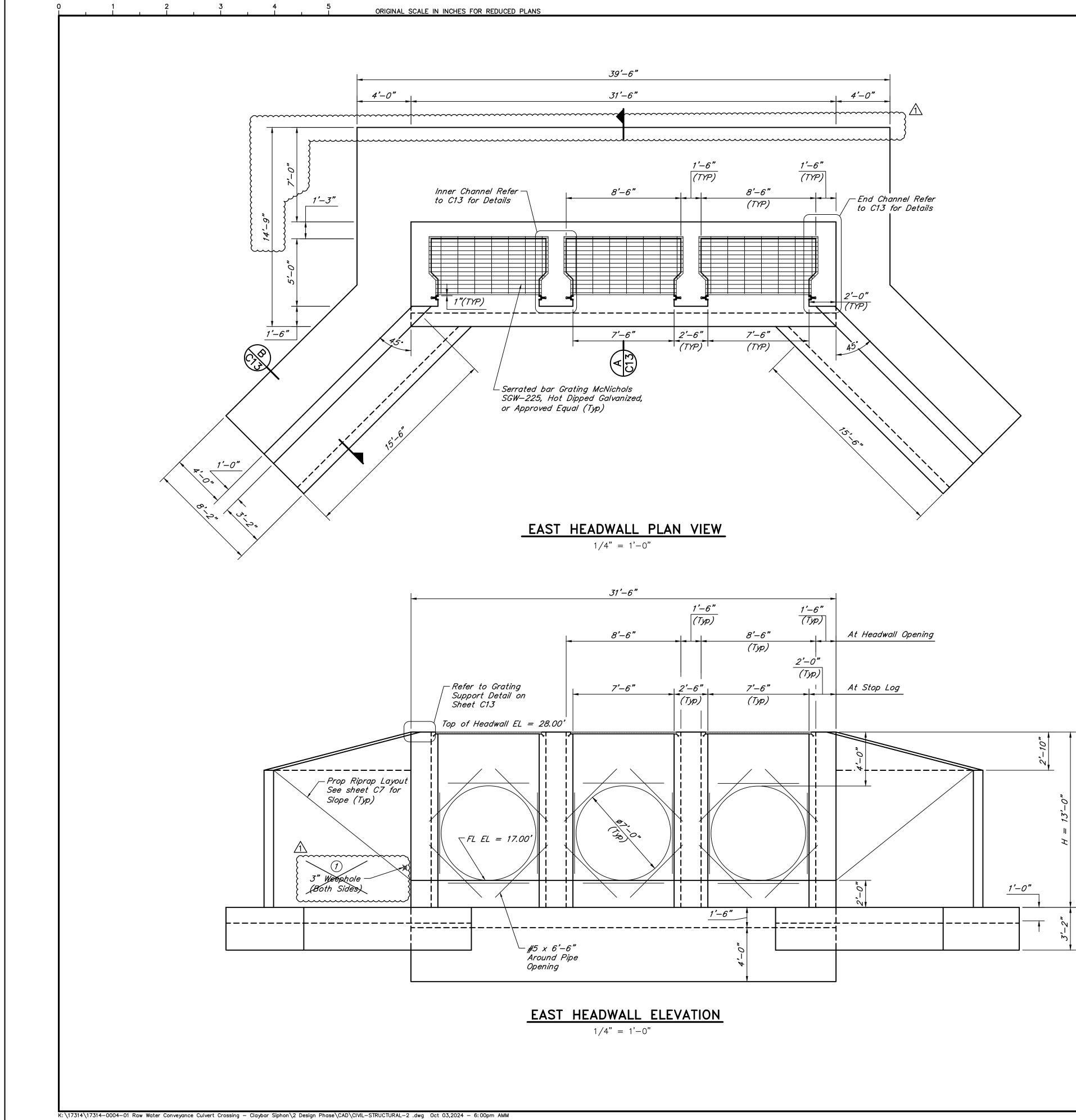
- NOTES: 1. The existing SRA canal must remain operational at all times until the new crossing has been completed and tested. Contractor is not permitted to discharge groundwater into the raw water canal. 2. Contractor to provide steel sheet piling in accordance with Section 02911 or approved equal. The sheet piling shall have a top elevation of 17.5' or higher. 3. Contractor to install temporary OCDD diversion
- 3. Contractor to install temporary OCDD diversion ditch as shown on drawings. Áfter diversion is completed, install dual 84" steel pipes by open cut.
- Existing low water crossing will be removed prior to construction and will not be available for Contractor to use.

1 10)/24	ADDENDUM 1	AMM
NO. D	ATE	REVISIONS	APP.
		SABINE RIVER AUTHORITY ORANGE COUNTY, TEXAS	
GU	LF	COAST CANAL-CLAYBAR SIF	PHON
	Ρ	HASE 1 PLAN VIEW	
	•		
		Board of Professional Engineers and Land Surveyors Reg. No. F-232: 30 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337	
SCAL		AS SHOWN DGN. BY: MA	HMAD
		AUGUST 2024 DWN. BY: SAI	
		17314-0004-00 DWG. NO.	
	-		
SUBM	IIIEL		
		F.B. NO	
ANT PROF	ALAI	N M. MOON 123364 CENSED ONAL END SHEET NO.5	C3 5 OF 19



K:\17314\17314-0004-01 Raw Water Conveyance Culvert Crossing - Claybar Siphon\2 Design Phase\CAD\CIVIL.dwg Oct 03,2024 - 4:44pm AMM

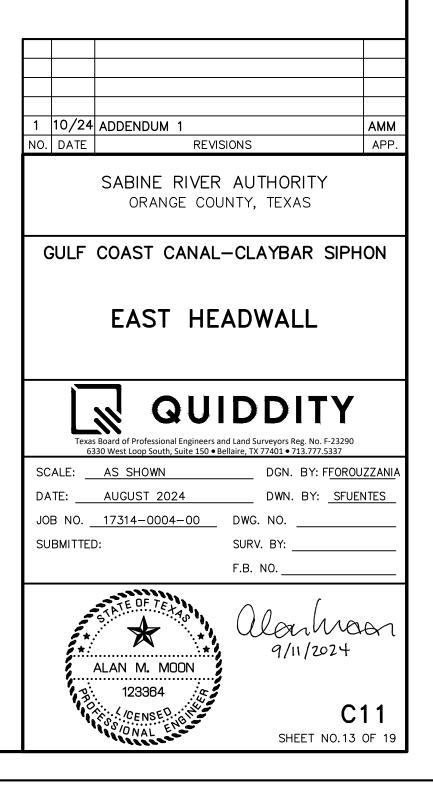
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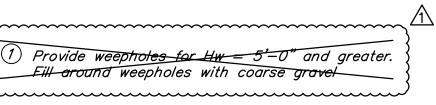


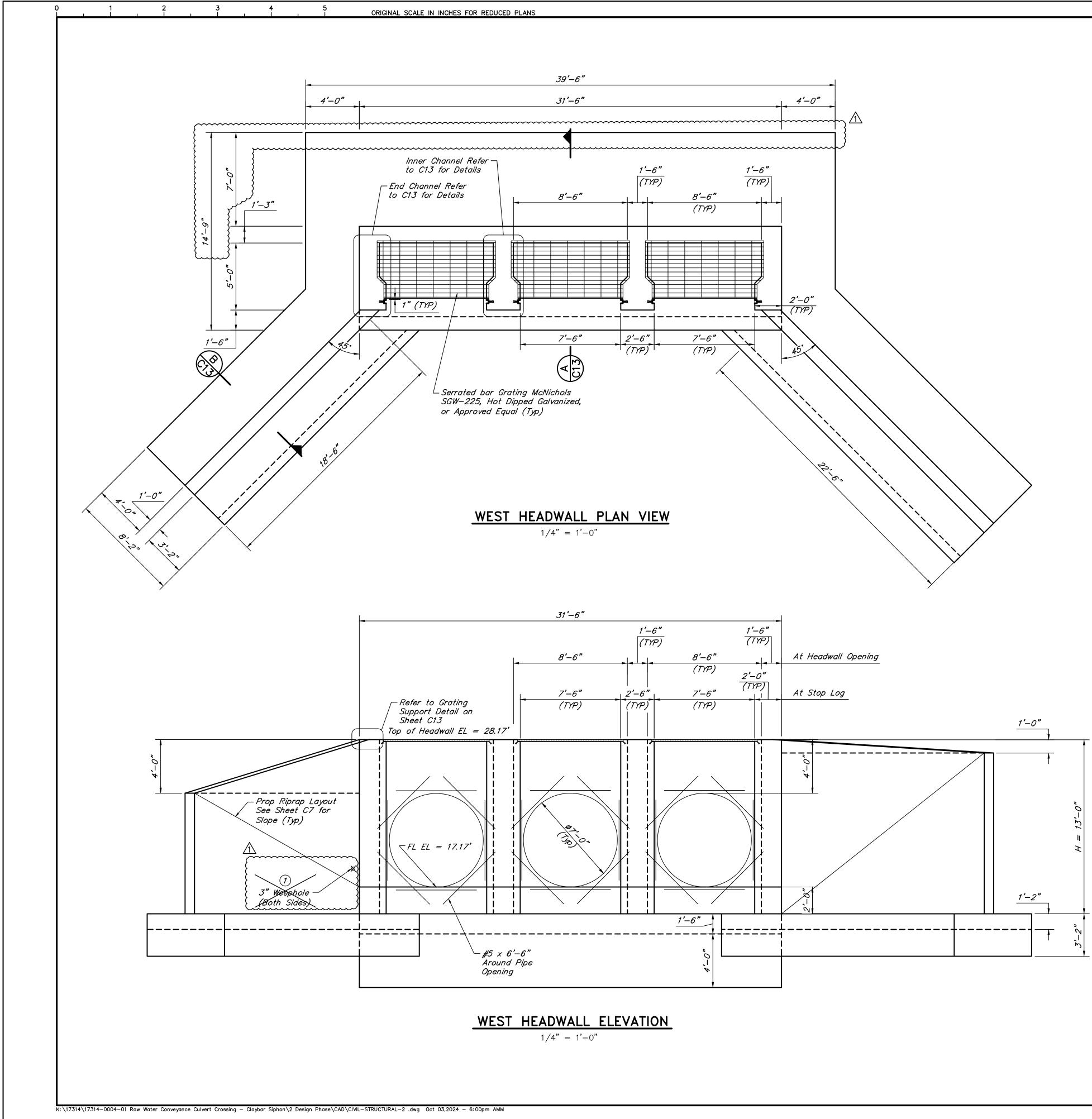
(1) Provide weepholes for <u>Hw = 5'-0</u>" and greater. Fill around weepholes with coarse gravel

NOTES:

- 1. Stop logs shall be provided by Owner.
- 2. Contractor shall coordinate with grating fabricator and with setting of concrete forms to ensure that the minimum specified clearance between the edge of grating and the edge of the stop log frame is provided. The stop log frames shall be accessible from the grating when the handrail/kickplate section is removed such that the stop logs can be installed and removed without impediment.



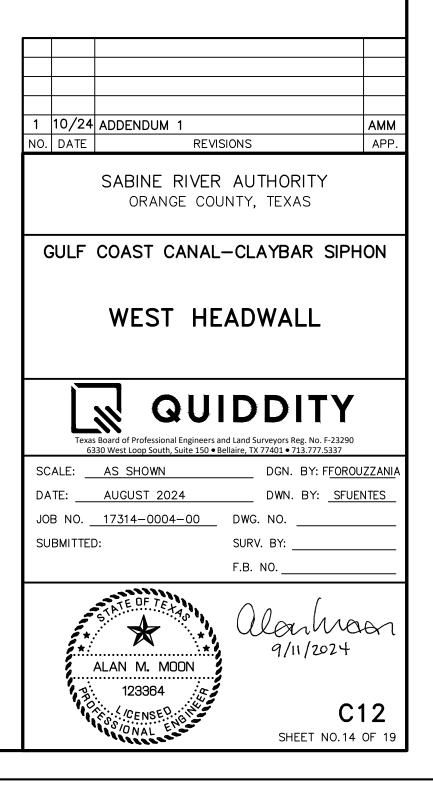


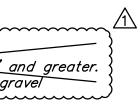


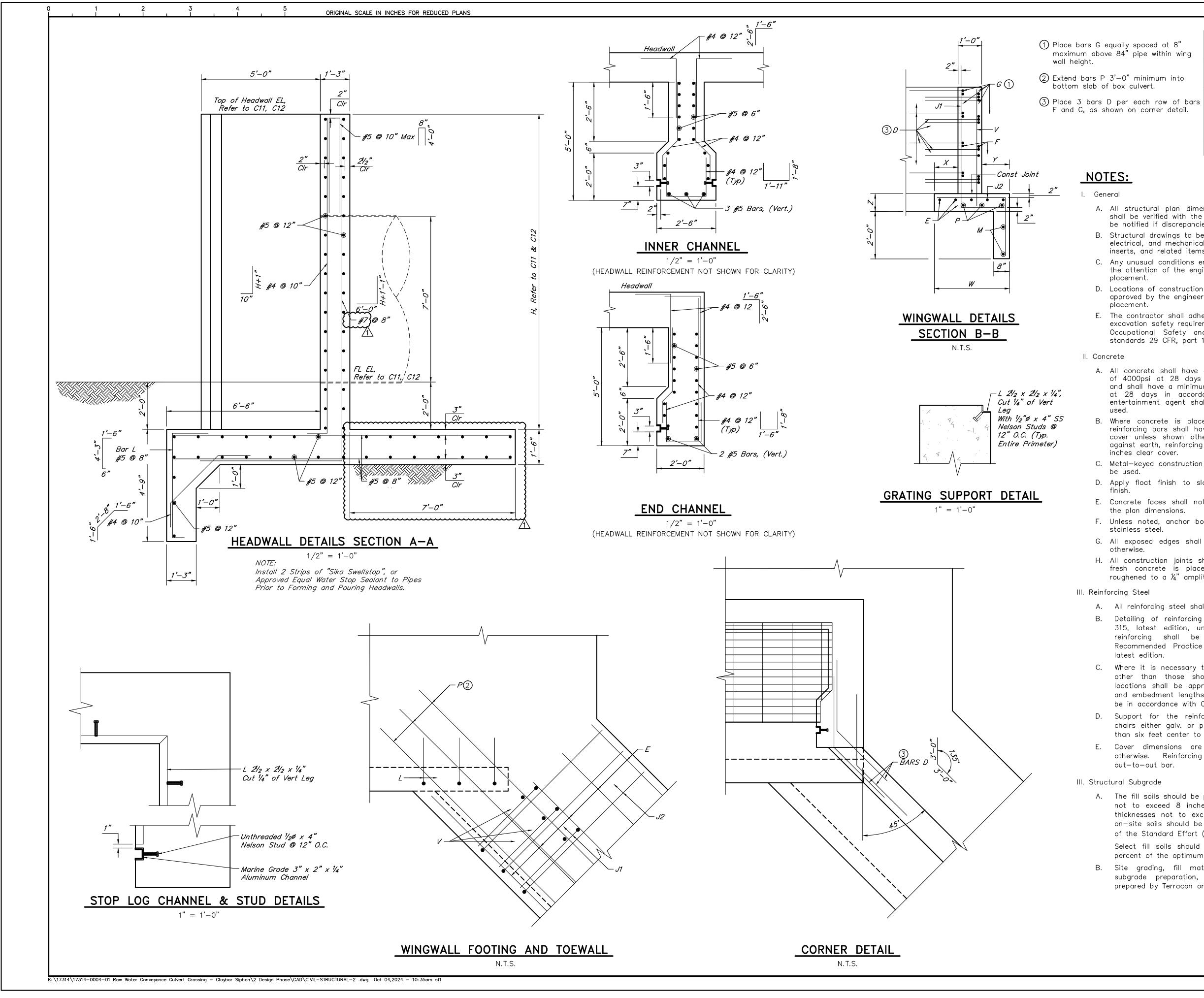
1 Provide weepholes for Hw = 5'-0" and greater. Fill around weepholes with coarse gravel

NUTECO

- 1. Stop logs shall be provided by Owner.
- 2. Contractor shall coordinate with grating fabricator and with setting of concrete forms to ensure that the minimum specified clearance between the edge of grating and the edge of the stop log frame is provided. The stop log frames shall be accessible from the grating when the handrail/kickplate section is removed such that the stop logs can be installed and removed without impediment.







ed	at	8"
wit	hin	wing

TABLE OF DIMENSIONS AND REINFORCING STEEL

num	into			
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row	of	har		

TABLE OF DIMENSIONS AND REINFORCING STELL									
Dimensions					Variable Reinforcing				
Maximum Wingwall	147	Х	Y	7	Ba	rs J1	Bars J2		
Height Hw	W	X	r	Ζ	Size	Spa	Size	Spa	
13'-0"	8'-2''	4'-0''	3'-2''	1'-2"	#8	6"	#6	6"	

A. All structural plan dimensions are interpreted from and shall be verified with the civil drawings. The engineer shall be notified if discrepancies exist.

B. Structural drawings to be coordinated with civil, electrical, and mechanical drawings for all openings, inserts, and related items.

C. Any unusual conditions encountered shall be brought to the attention of the engineer prior to concrete

D. Locations of construction joints not shown shall be approved by the engineer prior to concrete

E. The contractor shall adhere to the trench and excavation safety requirements set forth in the Occupational Safety and Health Administration (OSHA) standards 29 CFR, part 1926, subpart P, excavations.

A. All concrete shall have a minimum compressive strength of 4000psi at 28 days in accordance with ASTM C-39 and shall have a minimum modulus of rupture of 350 psi at 28 days in accordance with ASTM C-78. An air entertainment agent shall be used. Fly ash shall not be

B. Where concrete is placed against forms or seal slabs reinforcing bars shall have a minimum of 2 inches clear cover unless shown otherwise. Where concrete is placed against earth, reinforcing bars shall have a minimum of 3

C. Metal-keyed construction joints and sawed joints may not

D. Apply float finish to slab surfaces to receive a trowel

E. Concrete faces shall not deviate more than 3/16" from

F. Unless noted, anchor bolts and expansion bolts shall be

G. All exposed edges shall be chamfered $\frac{3}{4}$ " unless noted

H. All construction joints shall be thoroughly cleaned before fresh concrete is placed. Construction joints shall be roughened to a $\frac{1}{4}$ " amplitude.

A. All reinforcing steel shall be ASTM A-615, Grade 60.

B. Detailing of reinforcing shall be in accordance with ACI 315, latest edition, unless shown otherwise. Placing of reinforcing shall be in accordance with C.R.S.I.," Recommended Practice for placing of reinforcing bars",

C. Where it is necessary to splice reinforcement at locations other than those shown on the drawings, the splice locations shall be approved by the engineer. Lap splices and embedment lengths, not shown on the drawings, shall be in accordance with C.R.S.I., latest edition.

D. Support for the reinforcement shall be by metal high chairs either galv. or plastic tipped and spaced not more than six feet center to center.

E. Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are

A. The fill soils should be placed on prepared surfaces in lifts not to exceed 8 inches loose measure, with compacted thicknesses not to exceed 6 inches. Select fill soils and on-site soils should be compacted to at least 95 percent of the Standard Effort (ASTM D698) maximum dry density. Select fill soils should be moisture adjusted to within 2 percent of the optimum moisture content.

B. Site grading, fill material, properties, excavation, and subgrade preparation, shall follow geotechnical report prepared by Terracon on August 21, 2024.

TABLE OF WINGWALL REINFORCING						
Bar	Size	Spa				
D	#6	1'-0''				
E	#4	1'-0''				
F	#4	1'-0''				
G	#6	8"				
М	#4	~				
Р	#4	1'-0''				
V	#4	1'-0''				

