



East Houston Street Ground Storage Tank Rehabilitation
Solicitation Number: CO-00651
Job No.: 22-0106

ADDENDUM 4
June 1, 2023

To Respondent of Record:

This addendum, applicable to project referenced above, is an amendment to the RFCSP and as such will be part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the Respondent Questionnaire

RESPONSES TO QUESTIONS

- 1. Question:** Does this project that is out for bid has any QP1 or QP2 requirements.
QP 1 – FIELD APPLICATION TO COMPLEX. INDUSTRIAL AND MARINE STRUCTURES. Evaluates contractors who perform surface preparation and industrial coating application on steel structures in the field. QP 2 – FIELD REMOVAL OF HAZARDOUS. COATINGS
Response: There are no QP1 or QP2 requirements for this project.
- 2. Question:** This is a formal request that we (E12) are sending in for our NEW Tank Cover Manufacture **TANK CONNECTION**. We (E12) no longer represent **ULTRAFLOTE** and are formally requesting that our new Aluminum Tank Cover manufacture be named by **ADDENDUM**. Please consider **TANK CONNECTION COVERS** as a pre-approved equal on SPEC SECTION 07312 Aluminum Dome Roof on the East Houston Street Ground Storage Tank Rehabilitation Project. Let me know if any additional information (attached) is needed
Response: Technical Specification 07312 incorrectly identifies Apex Domes as an approved manufacturer, whereas it is an aluminum dome product line manufactured by Tank Connection. The specification will be edited to include Tank Connection as an approved manufacturer. Refer to "Changes to the Specifications" for this change.
- 3. Question:** Specification 13200, page 5, item V states the contractor shall have on site three (3) Peterson Multi-Flex high pressure line stop plugs at all time that the tank is drained of water. There are three (3) line stop plugs from Peterson that have different pressure ratings. These are 30 PSI/ 69 ft. of head pressure, 10 PSI/ 23 ft. of head pressure, and 4.5 PSI / 10 ' of head pressure. Please clarify what PSI we should plan for. The highest-pressure line stop plugs can cost as much at \$ 9800.00 each.
Response: Plugs are no longer required. Refer to "Changes to the Specifications".
- 4. Question:** Can you please confirm if this project is for a new water storage tank, or if it is the reconditioning of an existing tank?
Response: This project is for the rehabilitation of an existing tank.
- 5. Question:** Regarding Bid Item S-3, can more information be provided on what type of repair is intended for the weir box? Can this item be quantified and changed from a LS unit to a SF unit or something else more applicable to the type of repair?
Response: Refer to the technical specification Section 13200 3.01.L for information on the repair needed on the weir box. The measurement for payment for this item will be adjusted from Lump Sum to per Square Foot. Refer to "Changes to the Specifications" for the change regarding Bid Item S-3.

- 6. Question:** Is there a specific Petersen plug that can be specified so all bidders can price the same type?
Response: Plugs are no longer required. Refer to "Changes to the Specifications".
- 7. Question:** Does SAWS want the exterior perimeter handrail to be carbon steel or aluminum?
Response: The exterior perimeter handrail is to be determined by the Contractor based on the structural analysis of the tank and design on the dome roof. Both carbon steel and aluminum are acceptable materials.
- 8. Question:** Will cutting a door sheet be allowed for interior access?
Response: Cutting a door sheet will be allowed for interior access. Refer to "Changes to the Specifications" for an added section regarding installing a door sheet.
- 9. Question:** Will work hours outside of 8-5 be allowed? A standard workday of 7-5:30 would be preferred with the ability to work extended hours if needed.
Response: Work is to be done during specified the specified hours, but a written request can be submitted to SAWS to extend hours if needed. Refer to General Conditions 5.18.
- 10. Question:** Will Saturdays be approved as an additional approved work day?
Response: Work is to be done on specified workdays, but a written request to work on additional days can be submitted to SAWS. Refer to General Conditions 5.18.
- 11. Question:** Will Sunday work be allowed to make up for lost schedule or delays?
Response: No work will be allowed on Sundays or SAWS holidays. Refer to General Conditions 5.18.
- 12. Question:** Confirm that there are no requirements for SWPPP plans or other environmental controls since it appears the specifications don't require any.
Response: There are no requirements for SWPPP plans for this project. Refer to Technical Specification 01500 for temporary erosion controls and related requirements.
- 13. Question:** Will the Pearsall tank be taken out of service to perform the vent replacement? It is not safe to perform welding activities on a tank in service.
Response: The Pearsall tank will not be taken out of service to perform the vent replacement. The Pearsall tank is a recycled water storage tank.
- 14. Question:** The sequence of construction as detailed in section 01120 states to perform all demo, welding and structural repairs prior to performing any blasting and painting. Will it be acceptable to alter this sequence and blast and prime exterior areas prior to demolition or structural repairs? Any coatings affected by the welding would be re-prepped and primed accordingly.
Response: The sequence may be altered to blast and prime exterior areas prior to demolition or structural repairs as Contractor sees fit. As noted in Technical Specification 01120, this alternate sequence shall be proposed by the Contractor in advance.
- 15. Question:** Is there a specific threshold or requirement which will determine if the Petersen plugs need to be installed?
Response: Plugs are no longer required. Refer to "Changes to the Specifications".
- 16. Question:** Will SAWS make the decision if the plugs will be used or not?
Response: Plugs are no longer required. Refer to "Changes to the Specifications".
- 17. Question:** What pressure should the plugs be rated for?
Response: Plugs are no longer required. Refer to "Changes to the Specifications".

- 18. Question:** At what elevation below the floor should the plugs be installed?
Response: Plugs are no longer required. Refer to "Changes to the Specifications".
- 19. Question:** The General Notes state that if there are leaking valves, pipelines or structures the contractor shall provide means and equipment necessary to control water during construction. Can SAWS provide a maximum GPM quantity they would consider to be a leak? Is the intent to use the plugs on lines that have excessive leakage above this quantity?
Response: The Contractor shall be prepared to handle leakage from valves that may not seal. Refer to "Changes to the Specifications" for a revised sections regarding leak management and plugs.
- 20. Question:** Is there a detail that can be provided for the stairs to access the dome roof other than what's provided on C5? What material should they be made of?
Response: Refer to the revised Details 3 & 4 on sheet C5. Stair material shall be carbon steel. Refer to "Changes to the Plans" section of this addendum.
- 21. Question:** Will it be acceptable to use the wind girder as the perimeter walkway so long as it meets the dimensions shown on C9 and is sealed by a PE?
Response: Yes. The design of the perimeter walkway will be the responsibility of the Contractor. The design must meet all requirements in the plans and specifications and must be signed and sealed by a Professional Engineer licensed in the State of Texas.
- 22. Question:** Does the design of the wind girder and dome roof connection need to match the details as shown on detail 1/C8 or will alternative designs provided by a PE be allowed?
Response: Detail 1 on Sheet C8 is intended to be schematic in nature. Note the requirements that tank top angles be welded to the shell (rather than bolted) and that the roof gaskets be fully encapsulated. Final design of the wind girder and dome roof connection will be to the responsibility of the Contractor. The design must meet all requirements in the plans and specifications and must be signed and sealed by a Professional Engineer licensed in the State of Texas.
- 23. Question:** How far down below the floor elevation will the inlet/outlet pipes need to be blasted and painted?
Response: The portion of the inlet/outlet pipes visible from the tank floor level shall be recoated per Specification 09910.
- 24. Question:** Confirm that there is no concrete pad required for the electrical rack and only piers for the posts will be required.
Response: No concrete pad is required for the electrical rack. Refer to Detail 1 on Sheet C10.
- 25. Question:** Jake Coward is asking for Element 13 to be approved by written addendum for this project.
Response: Element 13's dome roof does not appear to meet the requirements in Specification 07312. Refer to technical Specification 01010, Part 1.07.A for guidance on substitutes and "or-equal" items.

CHANGES TO THE SPECIFICATION

1. Revisions to Price Proposal
Remove and replace Price Proposal in its entirety with the attached Price Proposal. Item No. 5 was removed, and the numbering adjusted accordingly. This version of the Price Proposal should be utilized by Bidders when submitting a bid for this project. Failure to use the revised version may result in the bid being found non-responsive.

2. Revisions to Technical Specification 01120 Sequence of Construction
 - a. 1.04.A.2
Replace section in its entirety with the following:
“
 - a. The Contractor shall be responsible for dewatering of the ground storage tank, any structures, pipelines and excavations necessary for completion of construction, including dewatering for all diversions and shutdowns. Owner will substantially drain the tank, but the contractor shall be responsible for dewatering up to 5 feet depth. The Contractor shall also be responsible for maintaining dewatering of the various structure if necessary for completion of the work. The Contractor shall be responsible for supplying all pumps, piping (temporary or otherwise), installing steel plates as shown in the Plans, and any other items necessary for the above dewatering. Dewatering shall be defined as removal of all liquid, sludge, grit, and any other solids or liquids as necessary to accomplish construction. The Contractor is cautioned that the existing facilities may contain significant quantities of grit and other solids that he is required to remove and dispose of off-site. The Contractor should anticipate that the existing tank isolation valves will be subject to leakage. Remaining water in the tank may be drained into the existing overflow structure.
 - b. The Contractor shall be prepared to implement effective and safe methods to isolate the tank at the time the valves are closed by SAWS. If the Contractor requires the reclaimed water system to be depressurized for implementation of the desired methods, the Contractor shall submit to SAWS in writing the timing and duration of the requested shutdown. SAWS will accommodate up to two 72-hour maximum depressurizations of the reclaimed water system for this project. These requests must be submitted to SAWS at least one month in advance of the dates of the planned depressurizations.”
3. Revisions to Technical Specification 01270 Measurement and Payment
 - a. 1.04.E
Remove the section in its entirety.
 - b. 1.04.K.2.
Replace section in its entirety with the following:
“Measurement – Measurement for payment shall be on a per square foot basis.”
4. Revisions to Technical Specification 07312 Aluminum Dome Roof
 - a. 1.05.B.
 - i. Replace “APEX Domes” with “Tank Connection, LLC”.
5. Revisions to Technical Specification 13200 Steel Water Storage Tank Rehabilitation
 - a. 3.01.V
Replace section in its entirety with the following:
“
 - V. Access: Existing manways shall be used for access to the interior of the tank. A temporary opening may be provided through the permanent structure for equipment and personnel access. Contractor shall submit the following information to the Owner and Engineer for review prior to cutting or welding on the shell. If the submittal is reviewed and approved by the Owner and Engineer, Contractor shall replace the shell plate in accordance with API Standard 653, API Standard 650 and AWWA D100. The temporary stiffening shall be removed by the Contractor after the door sheet is welded back into place. Contractor shall repair any surface imperfections prior to abrasive blasting and coating those areas of the tank surface. Contractor shall submit the following information for review and approval by the Engineer:

1. Weld qualifications procedures
2. Welder certifications and credentials.
3. The proposed method and sequence for cutting the opening in the shell and making a cut back. The corner weld between the shell and the bottom shall be gouged on each side at least 12 inches beyond the opening.
4. Details of the weld joint penetration for the shell and the door sheet, including the process for grinding and beveling.
5. Description of weld procedures of all joints and attachment welds, including any preheating or any post-weld heat treatment requirements, rod size, etc.
6. Description of the weld sequence for reinstalling the door sheet.
7. Details of the proposed non-destructive examination (NDE) plan with the number and location of x-rays. Note: a minimum of four (4) x-rays will be required with one at a horizontal weld seam, one at a vertical weld seam and the others located at the horizontal/vertical weld seam junctions.
8. All detail drawings shall be signed and sealed by a Professional Design Engineer registered in the State of Texas.”

CHANGES TO THE PLANS

1. **Sheet C2 – Existing Ground Storage Tank Detail (Sheet 2 of 2)**
Remove and replace in its entirety with the attached sheet C2 – Existing Ground Storage Tank Detail (Sheet 2 of 2)
2. **Sheet C5 – Hatch & Platform Details**
Remove and replace in its entirety with the attached sheet C5 – Hatch & Platform Details.
3. **Sheet C10 – General Details (Sheet 5 of 6)**
Remove and replace in its entirety with the attached sheet C10 – General Details (Sheet 5 of 6).

END OF ADDENDUM

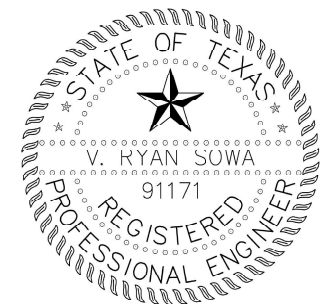
This Addendum is eleven (11) page(s) in its entirety with attachments.

Attachments:

- Price Proposal (3 pages)
- C2 – Existing Ground Storage Tank Detail (Sheet 2 of 2) (1 page)
- C5 – Hatch & Platform Details (1 page)
- C10 – General Details (Sheet 5 of 6) (1 page)


V. Ryan Sowa

Kimley-Horn and Associates, Inc.



PRICE PROPOSAL

PROPOSAL OF _____, a corporation
a partnership consisting of _____
an individual doing business as _____

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation to Competitive Sealed Proposals, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices in the Price Proposal to wit:

PLEASE SEE ATTACHED LIST OF PRICE ITEMS.

RESPONDENT'S SIGNATURE & TITLE _____

FIRM'S NAME (TYPE OR PRINT) _____

FIRM'S ADDRESS _____

FIRM'S PHONE NO. /FAX NO. _____

FIRM'S EMAIL ADDRESS _____

The Contractor herein acknowledges receipt of the following:
Addendum No(s). _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE PROPOSAL.

The Respondent offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **285** calendar days after the start date, as set forth in the Authorization to Proceed. **The Respondent understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Price Proposal which are included on the following pages.

Statement on President's Executive Orders

Has your firm previously performed work subject to the President's Executive Orders Numbers 11246 and 11375 or any preceding similar executive orders (Numbers 10925 and 11114)? Yes No

Texas Government Code Chapter 2274 Verifications

- (1) Are you, Contractor, held or controlled by a company or other entity, including a governmental entity, that is owned or controlled by citizens of or directly controlled by the government of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (2) Are you, Contractor, headquartered in China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274?
Yes No

PRICE PROPOSAL LINE ITEMS

Item No.	Bid Item	Description	Unit	Quantity	Unit Price	Total Price
1	01270	EAST HOUSTON TANK AND PAINTING IMPROVEMENTS	LS	1	\$ _____	\$ _____
2	01270	TANK ROOF DEMOLITION	LS	1	\$ _____	\$ _____
3	01270	ALUMINUM DOME ROOF INSTALLATION	LS	1	\$ _____	\$ _____
4	01270	ELECTRICAL IMPROVEMENTS	LS	1	\$ _____	\$ _____
5	01270	PEARSALL GROUND STORAGE TANK VENT REPLACEMENT	LS	1	\$ _____	\$ _____
SUBTOTAL (ITEMS 1 – 5)					\$	
6	100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF SUBTOTAL LINE ITEMS 1-5	LS	1	\$ _____	\$ _____
7	102	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION	EA	1	\$ _____	\$ _____
SUBTOTAL (ITEMS 6 – 7)					\$	
8	S-1	INTERIOR GRINDING	MH	100	\$ _____	\$ _____
9	S-2	PIT WELDING	SI	100	\$ _____	\$ _____
10	S-3	REPAIR WEIR BOX STEEL PLATE	SF	60	\$ _____	\$ _____
11	S-4	SEAM WELDING	LF	150	\$ _____	\$ _____
12	S-5	PIT FILLING	GAL	20	\$ _____	\$ _____
13	S-6	FLOOR REPLACEMENT WITH ¼" STEEL PLATE	SF	20	\$ _____	\$ _____
14	S-7	ADDITIONAL WORK	MH	200	\$ _____	\$ _____
SUBTOTAL (ITEMS 8 – 14)					\$	

Mobilization lump sum bid shall be limited to a maximum 10% of the "Subtotal (Items 1-5)" Base Bid amount. Sub-total base bid is defined as all bid items EXCLUDING Items 100, 102, and S-1 through S-7. In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization bid item the written percentage will govern. **If the percentage written exceeds the allowable maximum sated for mobilization, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.**

TOTAL PRICE (TO INCLUDE LINE ITEMS 1 – 14)	\$
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JOB NO.
22-0106

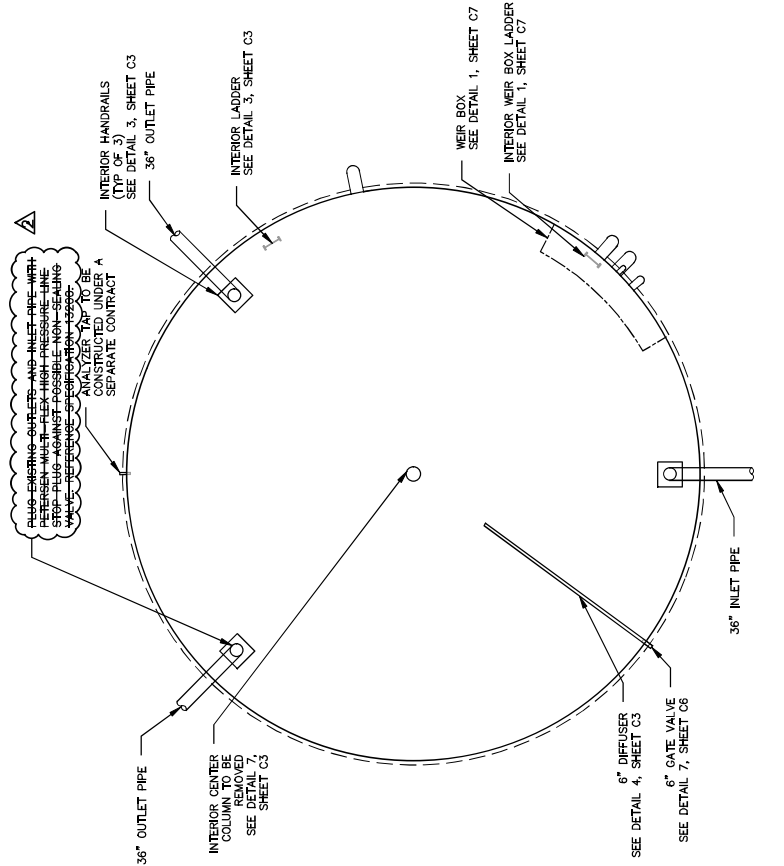
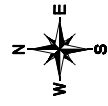


No.	Description	Approved	Date
1	REVISIONS		
2			
3			
4			
5			
6			
7			
8			
9			
10			

INFORMATION
 TEXAS REGISTERED FIRM NO. F428
Kimley-Horn
 Scale: SHOWN ON SHEET
 Checked By: B.L.
 Drawn By: VRS
 Date: APRIL 2023

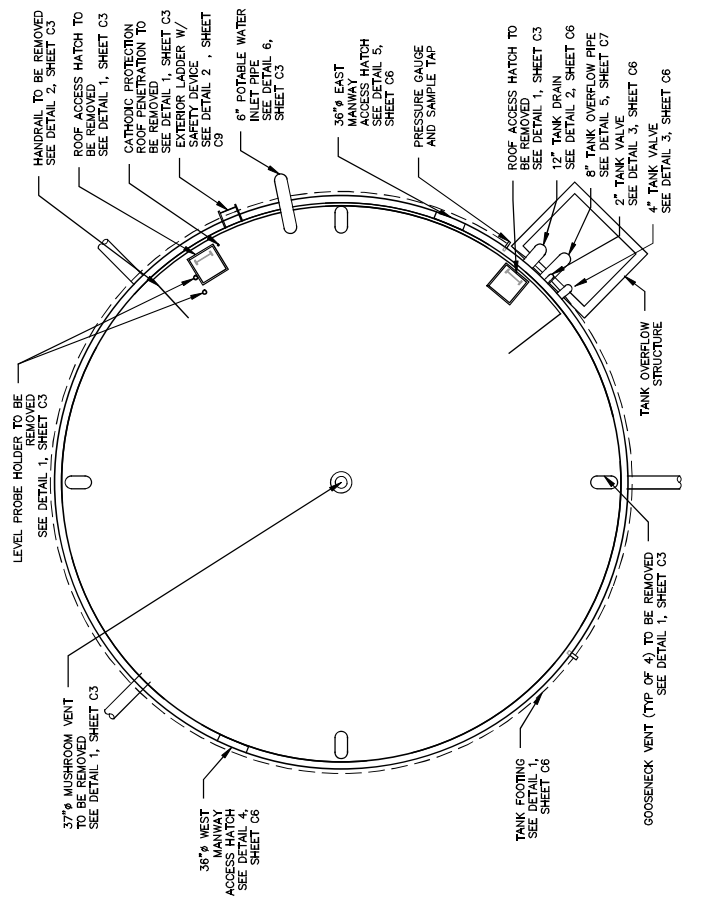
San Antonio Water System
 EAST HOUSTON GROUND STORAGE TANK REHABILITATION PROJECT
 SAN ANTONIO WATER SYSTEM
 STORAGE TANK DETAIL
 (SHEET 2 OF 2)

DRAWING NO.
C2



EXISTING GST INTERIOR
 PLAN VIEW
 SCALE: NTS

2



EXISTING GST EXTERIOR
 PLAN VIEW
 SCALE: NTS

1

JOB NO.
22-0106

6/7/23



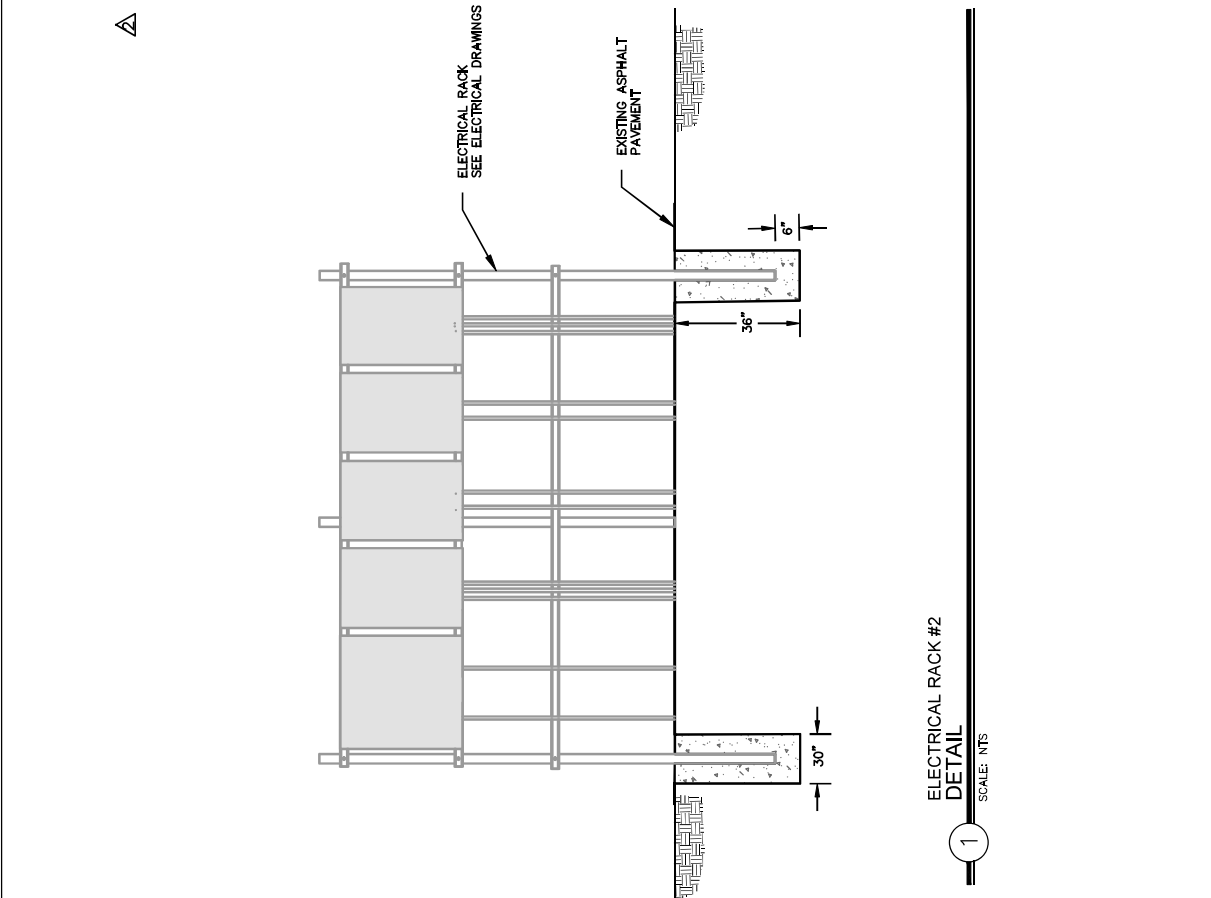
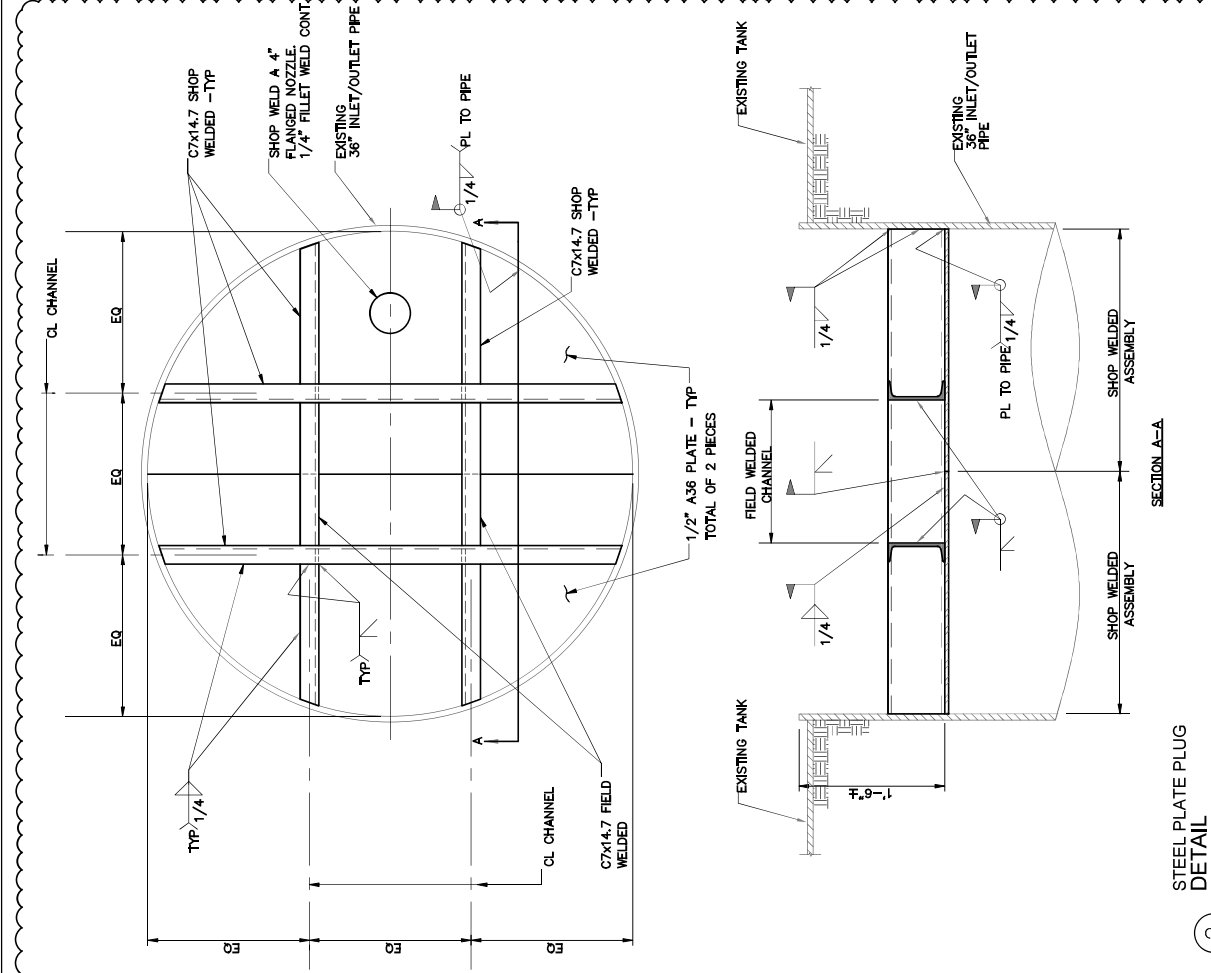
No.	Description	Appr'd	Date
1	DESIGN	[Signature]	6/7/23
2	REVISIONS		
3			
4			

INFORMATION
 DATE: APRIL 2023
 DRAWN BY: VRS
 CHECKED BY: BLS
 SCALE: SHOWN ON SHEET
 TEXAS REGISTERED FIRM NO. F4928
Kimley-Horn

San Antonio Water System

SAN ANTONIO WATER SYSTEM
 EAST HOUSTON GROUND STORAGE
 TANK REHABILITATION PROJECT
 GENERAL DETAILS (SHEET 5 OF 6)

DRAWING NO.
C10



2

1