

EL PASO WATER – PUBLIC SERVICE BOARD

Bid No. 01-23 – Northeast Dyer/Railroad Lift Station

ADDENDUM 1

RESPONSES TO BIDDERS

March 30, 2023

In accordance with the Instructions to Bidders of the Contract Documents, the following revisions to the Specifications shall become a part of the Contract Documents and the Bidder shall acknowledge receipt thereof on the proposal.



Floyd Johnson, P.E.,

Engineer of Record, Huitt-Zollars, Inc.



3-28-2023



Mirtha Solis

Senior Purchasing Agent, El Paso Water

\*The Purchasing Agent's signature certifies only that the document shall become part of the Contract Documents for the reference project. Her signature is not a representation that the content of this document is technically correct.

ADDENDUM NO. 1  
Bid No. 01-23  
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PART A – BIDDING REQUIREMENTS, CONTRACT FORMS, AND CONDITIONS OF THE  
CONTRACT

Item No.	Page or Drawing No.	Location and Description of Change
1.01	00300 – 1-13	BID FORM, Section 00300, <b>REPLACE</b> in its entirety with attached BID FORM.

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PART B – TECHNICAL SPECIFICATIONS

Item No.	Page or Drawing No.	Location and Description of Change
1.02	01025- 1-5.	MEASUREMENT AND PAYMENT, Section 01025, <b>REPLACE</b> in its entirety with attached MEASUREMENT AND PAYMENT, Section 01025.

PART C – PROJECT DRAWINGS

Item No.	Page or Drawing No.	Location and Description of Change
1.03	C-106	CIVIL DETAILS. <b>REPLACE</b> in its entirety with attached new Sheet C-106.
1.04	C-406	PHASE 1 WET WELL ENTRANCE AND VALVE VAULT EQUIPMENT ELEVATION. <b>REPLACE</b> in its entirety with attached new Sheet C-406.

MISC – ANSWERS TO QUESTIONS RECEIVED FROM BIDDERS.

Item No.	Page or Drawing No.	Question and Answer and Description of Change if applicable
1.05		<p>Q1: "Will American Made Material be required for this project?"</p> <p>A1: No. American Made Materials are not required for this project.</p>
	00300 – 1-13 and 01025 – 1-5	<p>Q2: "2. Work required for the Phase 2 Process Train is described in the Invitation to Bid and shown on the Interim Phase 2 DWGs. Bid Item #19 only mentions Phase 1 work, what Bid Item will the Interim Phase 2 Process Train Work be paid under?"</p> <p>A2: Please see revised Bid Form and Measurement and Payment. Item #19 has been revised to include all Phase 2-related items.</p>
	01025 – 1-5	<p>Q3: "Should we include the light fixtures for the Phase 2 wet well?"</p> <p>A3: Yes. Include functioning light fixtures in the Phase 2 wet well.</p>
		<p>Q4: "On Round Structures (Lift Station and Valve Vaults.). Can Alternative 10'-0" x 10'-0" ID Square structure be used in place of round?"</p> <p>A4: Square 10' x 10' structures may be used in place of the four round 10' diameter manholes only. Fabricator shall provide shop drawings and calculations for each entire structure sealed, signed, and dated by a Professional Engineer licensed in the State of Texas.</p>
		<p>Q5: "Civil details page C-106 the table for Rockwall Spot Elevation indicates Top of wall Elevation, our question is if that Top of Wall Elevation is including the pillars/columns or just the rock wall itself?"</p> <p>A5: Refer to Revised Section B-B on Revised Sheet C-106, attached. Refer to revised "Rockwall Spot Elevation Table," on Revised Sheet C-106. The wall must be a minimum 8'-0" from the exterior finished ground level to the bottom of the cap stone. This height corresponds to the final height of the wrought iron sections. The height associated with the top of cap stone is in addition to the required 8'-0" wall height. The height of unbalanced backfill (retaining height) against either side of wall shall not exceed 2'-0".</p>
		<p>Q6: "Please provide the geotechnical report"</p> <p>A6: The Geotechnical report has been posted by EPWater and is available for download and review.</p>

		<p>Q7: "Please provide peak flows for sizing our bypass pumping operations."</p> <p>A7: The Futureland Lift Station is rated for 500,000 gpd (350 gpm). Provide equipment that provides minimum 350 gpm firm capacity.</p>
		<p>Q8: "Please confirm RR insurance is not required."</p> <p>A8: Railroad Insurance is not required for this project.</p>
	00300 – 1-13 and 01025 – 1-5	<p>Q9: "Please clarify which bid item we are to include the phase 2 wet well equipment components in."</p> <p>A9: Please see revised Bid Form and Measurement and Payment. Item #19 has been revised to include all Phase 2-related items.</p>
	443119.02	<p>Q10: "Specification sections 44 31 19.01 and 44 31 19.02 Part 2.10 in each specify that the biological odor control systems (I-BOx 42 and I-BOx 7000) will be installed in a Class 1, Division 2, Group D hazardous area and as such the system control panels must be remote mounted from the system (at least 3 ft away). Drawings of the systems however (including sheets C-505, C-506, C-507, and C-508) show the systems with unit mounted control panels and make no note of the hazardous area and requirement for the control panels to be remote mounted. Please confirm that the systems will be installed in Class 1, Division 2, Group D hazardous areas and as such the control panels will need to be remote mounted from the systems at least 3 ft away."</p> <p>A10: The odor control systems will be installed in Class 1, Division 2, Group D hazardous areas and as such the control panels will need to be remote mounted from the systems at least 3 ft away. Odor control unit fabricator shall provide shop drawings with adjusted location of control panels to accommodate this requirement. Contractor shall coordinate installation of electrical and control conduit and wiring to accommodate control panel relocation.</p>
		<p>Q11: "Since this is a lift station do the PLC components need to have a conformal coating on them?"</p> <p>A11: Yes, the PLC components shall have a conformal coating.</p>

		<p>Q12: "The primary and secondary radar level transmitters are listed as VegaPULS C21 radar. Are these devices approved for use by the SCADA department?"</p> <p>A12: Yes. The VegaPULS C21 radar units are approved for use by the SCADA department.</p>
		<p>Q13: "The pressure indicating transmitters are listed as Ashcroft GC51 Pressure Transmitter. Are these devices approved for use by the SCADA department?"</p> <p>A13: Yes. The Ashcroft GC51 Pressure Transmitters are approved for use by the SCADA department.</p>

MISC – ADDITIONAL ENGINEER’S CLARIFICATIONS

Item No.	Page or Drawing No.	Clarification provided by the Engineer
1.06		<ol style="list-style-type: none"><li data-bbox="573 449 1351 573">1. All ductile iron pipe shall have a minimum working pressure rating of 350 psi. PC350 ductile iron pipe shall be used for buried installations and Thickness Class 53 pipe shall be used where flanged connections are required.</li><li data-bbox="573 611 1351 735">2. Specification 44 31 19.02 states that the I-BOx-700 is to be used for the future Phase 2 wet well. This statement is incorrect. Disregard references to Phase 2 in 44 31 19.02. The I-BOx-7000 shall be used for Phase 1 only.</li><li data-bbox="573 772 1351 919">3. Sheet C-406 of the plans As-Bid shows the valve vault sump pump control panel located in the valve vault. The sump pump control panel has been relocated to the exterior equipment rack as shown by Item 11A on Sheet C-405A. See Revised Sheet C-406, attached.</li></ol>

\*\*End of Addendum No. 1\*\*



**SECTION 00300**

**BID FORM**

PROJECT IDENTIFICATION: El Paso Water Utilities  
Northeast Dyer/Railroad Lift Station

BID NO.: 01-23

Name and Address of OWNER:  
El Paso Water Utilities  
Public Service Board  
1154 Hawkins Boulevard  
P. O. Box 511  
El Paso, Texas 79961

Name and Address of BIDDER:

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1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
2. BIDDER accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for ninety days after the day of Bid opening. In the case of State, Federal, or NADBank-funded projects, all Bids will remain subject to acceptance for 90 days or such reasonable time as the funding agency may require. BIDDER will sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within ten days after the date of OWNER's Notice of Award.
3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:
  - A. BIDDER has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged):

Date

Number

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- B. BIDDER has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance, or furnishing of the Work.
  - C. BIDDER has studied carefully all reports and drawings of subsurface conditions and drawings of physical conditions which are identified in the Supplementary Conditions as provided in Paragraph 5.03 of the General Conditions, and accepts the determination set forth in Paragraph SC-5.03 of the Supplementary Conditions of the extent of the technical data contained in such reports and drawings.
  - D. BIDDER has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in addition to or to supplement those referred to in "C." above) which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress, performance or furnishing of the Work as BIDDER considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Paragraph 5.03 of the General Conditions.
  - E. BIDDER has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities.
  - F. BIDDER has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents.
  - G. BIDDER has given ENGINEER written notice of all conflicts, errors, or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to BIDDER.
  - H. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
  - I. All prices quotes by the bidder shall be entirely in United States Currency (U.S. Dollars).
4. Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

\*\*\*\*\* HIGH IMPORTANCE \*\*\*\*\*

**TEXAS ETHICS COMMISSION  
REQUIREMENT**

\*\*\*\*\*IN THE EVENT YOU RECEIVE AN AWARD OF THIS CONTRACT\*\*\*\*\*

**Reference: FORM 1295 (revised 12/22/17) "Certificate of Interested Parties"**

**A business entity must file Form 1295 electronically with the Texas Ethics Commission using the Commission's online filing application, which can be found at:  
[https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)**

**SEE INSTRUCTIONS: Form 1295 and Sample Form 1295 (Section 00302)**

<b>Item No.</b>	<b>Estimated Quantity</b>	<b>UOM</b>	<b>Brief Description of Item</b>	<b>Unit Bid Price</b>	<b>Extended Amount (Qty. x Unit Price)</b>
1	1	LS	Insurance, Bonds, and Move-In Related Expenses, not to Exceed 5% of Bid Item Nos. 2 – 24. If Item No. 1 exceeds 5%, bid may be deemed non-responsive.	\$ _____	\$ _____
2	4500	CY	Earthwork - Excavation of Existing Soil and regrading (site grading)	\$ _____	\$ _____
3	1200	CY	Earthwork - Excavation of retention basin	\$ _____	\$ _____
4	1000	CY	Earthwork - Placement of fill and compaction (proposed building and structures)	\$ _____	\$ _____
5	3855	SY	Asphalt Paving	\$ _____	\$ _____
6	780	LF	Std. 6-in Concrete Curb	\$ _____	\$ _____
7	2430	LF	Concrete Header curb	\$ _____	\$ _____
8	100	SY	Concrete Sidewalk	\$ _____	\$ _____
9	1000	LF	8-ft Rock Wall, Complete and In Place	\$ _____	\$ _____
10	1	EA	Iron Swing Gate, Complete and In Place	\$ _____	\$ _____

11	1	LS	<p>On-Site Water System Lines - Includes all labor, materials, testing, equipment, required fees, and any other incidental items to install 730 LF of 8-inch DR-18 PVC Water Line, including connection to existing off-site 12-inch water main, 5-8-inch gate valves, 1-8-inch BFP and cover, 4-Fire Hydrant Assemblies, and 2-2-inch post hydrants, as called for in the plans and specifications. This shall also include all 3/4-inch and 2-inch service connections required for the operation of equipment. Refer to plans and specifications for other components required for the completion and operation of this item.</p>	\$ _____	\$ _____
12	1	LS	<p>Electrical Building (697 SF) per plans and specifications, complete in place.</p>	\$ _____	\$ _____
13	1	LS	<p>Installation of 650 KVA, 277/480 Volt, 3 Phase Diesel Generator Set, and other incidentals, as called for in the plans and specifications (Division 26). Refer to plans sheets and specifications for other components related and required for the completion and operation of this item.</p>	\$ _____	\$ _____
14	1	LS	<p>Installation of Electrical Power Distribution Equipment</p>	\$ _____	\$ _____
15	1	LS	<p>Installation of Light Fixtures and Poles</p>	\$ _____	\$ _____
16	1	LS	<p>Installation of Branch Circuits and Feeders</p>	\$ _____	\$ _____
17	1	LS	<p>Installation of Equipment and Material for Obtaining Electrical Utility Service</p>	\$ _____	\$ _____
18	1	LS	<p>Installation of Control and Monitoring Equipment</p>	\$ _____	\$ _____

19	1	LS	Lift Station Phase 1 and Phase 2, to include all labor, material, equipment, required fees, testing, and any other incidental items related to the installation of Lift Station Phase 1 and Phase 2 components as called for in the plans and specifications (Divisions 9 – 23). Refer to plans and specifications for other components required for the proper completion and operation of this item.	\$ _____	\$ _____
20	1	LS	Gravity Sewer Lines, to include all labor, materials, equipment, testing, required fees, and any other incidental items to install Gravity Sewer Main lines as called for in the plans and specifications. This shall also include but not limited to any additional excavation, the installation of 6-ft manholes, 8-ft manholes, 10-ft manholes, 36-inch and 24-inch F679 PVC sewer pipe, all metering equipment, and equipment required for the operation of the sewer line and its components. Refer to plans and specifications for other components required for the proper completion and operation of this item.	\$ _____	\$ _____
21	1	LS	Force Main Sewer Lines – to include all labor, materials, equipment, testing, required fees, and any other incidental items to install Force Main lines as called for in the plans and specifications. This shall also include but not limited to any additional excavation, the installation of 10-ft manholes, 14, 16, 18, and 24-inch DI and DR-18 C-905 FM pipe, all metering equipment, and equipment required for the operation of the force main and its components. Refer to plans and specifications for other components required for the proper completion and operation of this item.	\$ _____	\$ _____
22	1	LS	Phase 1 Odor Control, Washdown System, and Overhead Crane as per plans and specifications, complete and in place. Refer to related sections in plans and specifications for other components required for the proper operation and installation of this item.	\$ _____	\$ _____

23	1	LS	Structural, to Include all incidental items to construct concrete footings, walls, slabs on grade, and all other structural items required as called for in the Structural plans and specifications (Division 3 – 5). Refer to related sections in plans and specification for other components required in this item.	\$ _____	\$ _____
24	1	LS	Trench Safety System: Trench Box Method or Shoring, Sheet piling, and Bracing Method/	\$ _____	\$ _____

**TOTAL BID PRICE (ITEMS 1 THROUGH 24)**      \$ \_\_\_\_\_

Quantities are not guaranteed.

If multiple awards are contemplated under a single bid document, an additional breakdown of bid amounts, subcontractors, and suppliers is required. It will also be necessary to adjust the MWBE Certification and Participation Summary Form accordingly.

In accordance with Section 151.311 of the Texas Tax Code (V.A.T.C.S.), regarding taxes on materials and services, and requiring a separated contract, the following is the breakdown of cost for materials and cost for labor for this bid:

<b>MATERIALS TO BE INCORPORATED IN PROJECT NOT SUBJECT TO SALES TAX:</b>	\$ _____
<b>LABOR TO BE INCORPORATED IN PROJECT NOT SUBJECT TO SALES TAX:</b>	\$ _____
<b>RENTAL EQUIPMENT AND OTHER TAXABLE ITEMS:</b>	\$ _____
<b>OTHER (I.E. BONDS, INSURANCE, CAPITAL EQUIPMENT, ETC.)</b>	\$ _____
<b>*TOTAL CONTRACT:</b>	\$ _____
<b>*(TOTAL MUST EQUAL TOTAL BID PRICE)</b>	\$ _____

5. BIDDER agrees that the Work will be Substantially completed within 510 Calendar Days from the date when the Contract Time commences to run as provided in Paragraph 2.03 of the General Conditions, and as revised in Supplementary Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions, and as revised in the Supplementary Conditions, within 540 calendar days. Final completion includes CONTRACTOR'S resolution of all punch list items and CONTRACTOR'S submission of required

close-out documentation. Any failure of the CONTRACTOR to complete the project within the contract time will be considered a material breach of this contract.

BIDDER accepts the provisions of the Supplementary Conditions and the Agreement as to liquidated damages in the event of failure to complete the Work on time.

6. BIDDER MUST ANSWER THE FOLLOWING QUESTIONS: (Refer to INSTRUCTIONS TO BIDDERS for definitions.)

A. Is the bidder that is making and submitting this bid a "RESIDENT BIDDER" or a "NONRESIDENT BIDDER"?

Answer: \_\_\_\_\_

B. If the bidder is a "NONRESIDENT BIDDER", does the state in which the Nonresident Bidder's principal place of business is located have a law requiring a Nonresident Bidder of that state to bid a certain amount of percentage under the bid or a Resident Bidder of that state in order for the nonresident bidder of that state to be awarded a contract on his or her bid in such state?

Answer: \_\_\_\_\_

C. If the answer to the question in Paragraph 6B above is "yes", then what amount or percentage must a Texas Resident Bidder bid under the bid of a Resident Bidder of that state in order to be awarded a contract on such bid in said state?

Answer: \_\_\_\_\_

7. The following documents are attached to and made a condition of this Bid:

A. Required Bid Security in the form of \_\_\_\_\_

\_\_\_\_\_

B. A tabulation of all Subcontractors who will provide labor at the site of the work or render services to the CONTRACTOR in or about the construction of the work and Suppliers and other persons and organizations is required to be identified in this Bid. Complete the following table, designating each as Small Locally-Owned Business Enterprise (SLBE), Minority Business Enterprise (MBE), Women-Owned Business Enterprise (WBE), Small Business Enterprise (SBE), Small Business in Rural Areas (SBRA), or Other (not either SLBE, WBE MBE, SBE or SBRA) is required. Only one category may be checked. Include the work item and value of work to be provided by the Prime Contractor, as well as its category.

**Tabulation of Subcontractors and Suppliers**

SUBCONTRACTOR/SUPPLIER	WORK ITEM	SUBCONTRACT OR PURCHASE ORDER VALUE  (If value is unknown, please list <i>Pending</i> )	S	M	W	S	S	O
			L	B	B	B	B	T
			B	E	E	E	R	H
			E					E
			Please check one box					
<b>Prime Contractor:</b>								

C. Will the Contractor meet the Small Locally Owned Business Enterprise, Minority Business Enterprise and Women-Owned Business Enterprise goals as required by these contract documents and the funding agencies?

YES \_\_\_\_\_ NO \_\_\_\_\_

If "YES", include above each of the firms to be used, their business status as a SLBE, MBE, or WBE, the proposed dollar value and type of work to be performed.

If "NO", documentation supporting good faith effort is required.

8. Communications concerning this Bid shall be addressed to the following named individual, address, telephone number, facsimile number, and e-mail address:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_



9. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

SUBMITTED on \_\_\_\_\_, 20\_\_.

If BIDDER is:

**An Individual**

By \_\_\_\_\_ (SEAL)  
(Name of Bidder)

\_\_\_\_\_  
(Title) (Signature)

doing business as \_\_\_\_\_

Business Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

**A Partnership**

By \_\_\_\_\_ (SEAL)  
(Firm Name)

\_\_\_\_\_  
(Signature - general partner)

Business Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

**A Corporation** (Revised 10/12/92, 1/7/93, 4/13, 3/1/22)

By \_\_\_\_\_  
(Corporation Name)

\_\_\_\_\_  
(State of Incorporation and State of Principal Place of Business)

By \_\_\_\_\_  
(Name of Person Authorized to Sign)

\_\_\_\_\_  
(Title) (Signature)

(Corporate Seal)

Attest \_\_\_\_\_  
(Secretary)

Business Address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_

Federal Tax Identification Number: \_\_\_\_\_

When proposing as a Corporation, Bidder swears and affirms by signing this Bid that the proposing Corporation is currently in existence, is currently authorized to do business in the State of Texas (or State of incorporation) and that no franchise tax reports or payments are delinquent as of the date of this Bid Proposal. The Bidder will provide a Certificate of Account Status with the signed Contract Documents. See Section 00510, for the sample form which is to be obtained by the successful Contractor from the Texas (or other state) Comptroller of Public Accounts and submitted as part of the final, executed Contract Documents.

**CERTIFICATION OF INSURANCE AVAILABILITY**

Date \_\_\_\_\_

I, \_\_\_\_\_(Name of Insurance Agent), certify that I have reviewed the insurance requirements listed in Article 5 of the Supplementary Conditions of the specifications for the Northeast Dyer/Railroad Lift Station (Name of Project), Bid No. 01-23, and further certify that \_\_\_\_\_(Name of Bidder) has or can obtain the insurance coverage required by this Project so that a certificate of insurance and a copy(s) for the actual insurance policies can be submitted to the Owner within ten (10) days of the Notice of Award.

Signed \_\_\_\_\_

Title \_\_\_\_\_

Insurance Agency \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_

**MINORITY CERTIFICATION  
AND  
PARTICIPATION SUMMARY**  
*(EPWU CIP FUNDED PROJECTS)*

BID NUMBER: \_\_\_\_\_

BID TITLE: \_\_\_\_\_

I certify that the Small Locally-Owned Businesses (SLBE), Minority (MBE) and Women's Business Enterprises (WBE) participating in this project are qualified in accordance with the Minority requirements included in the above listed Bid Documents and that we will ensure all consultants, contractors, suppliers, and subcontractors will comply with the Minority guidelines. Definitions of each category are found in the 00100, Instructions to Bidders Section. Attached are:

Solicitation Documents: \_\_\_\_\_

Proposed Subcontracts for the below listed firms: \_\_\_\_\_

SLBE, MBE, or WBE FIRM NAME	ADDRESS	PHONE	CONTRACT AMOUNT	SLBE	MBE	WBE

The attached documents outline the Good Faith Effort taken in complying with the Minority Guidelines.

\_\_\_\_\_  
CONTRACTOR

\_\_\_\_\_  
SIGNATURE OF AUTHORIZED REPRESENTATIVE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
PRINTED NAME OF AUTHORIZED REPRESENTATIVE

**MINORITY CERTIFICATION  
AND  
PARTICIPATION SUMMARY**  
*(TWDB FUNDED PROJECTS)*

BID NUMBER: \_\_\_\_\_

BID TITLE: \_\_\_\_\_

I certify that the Minority (MBE) and Women's Business Enterprises (WBE), Small Business Enterprises (SBE), and Small Business in Rural Area (SBRA) participating in this project are qualified in accordance with the Minority requirements included in the above listed Bid Documents and that we will ensure all consultants, contractors, suppliers, and subcontractors will comply with the Minority guidelines. Definitions of each category are found in the 00100, Instructions to Bidders Section. Attached are:

Solicitation Documents: \_\_\_\_\_

Proposed Subcontracts for the below listed firms: \_\_\_\_\_

MBE, WBE, SBE or SBRA FIRM NAME	ADDRESS	PHONE	CONTRACT AMOUNT	MBE	WBE	SBE	SBRA

The attached documents outline the Good Faith effort taken in complying with the Minority Guidelines.

\_\_\_\_\_  
CONTRACTOR

\_\_\_\_\_  
SIGNATURE OF AUTHORIZED REPRESENTATIVE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
PRINTED NAME OF AUTHORIZED REPRESENTATIVE

EL PASO WATER  
NORTHEAST DYER/RAILROAD LIFT STATION

**SECTION 01025 – MEASUREMENT AND PAYMENT**

**PART 1 – GENERAL**

**1.1 REQUIREMENTS INCLUDED**

- A. Measurement and payment shall be as specified in this Section. Information regarding measurement and payment is further supplemented in each technical specification section. Work to be performed under this contract will be paid for on the basis specified under the appropriate Bid Items on the Bid Form.
- B. The Contractor shall, within fifteen (15) days of receipt of Notice of Award, submit a complete breakdown of lump sum and other bid items showing the value assigned to each part of the Work including overhead and profit. Payment for materials delivered but not fully incorporated in the Work will be made only if such materials are listed and assigned a value in the Contractor's submittal, a paid receipt is provided, and the application for payment has been approved. The Engineer will review and approve the schedule of values prior to Owner's issuance of a Notice to Proceed.
- C. General Scope of Work under each Bid Item includes labor, materials, and all incidental costs required for the construction of a completely functional and operational facility as detailed on the Drawings and in these Specifications.

**1.2 ITEM DESCRIPTION**

This is a description of the work included and the method of measurement and payment to be applied for the work in each proposal item. Measurement will be for work in place with no allowance for waste.

- 1. **Mobilization and Demobilization:** Measurement and payment shall be made at the stated lump sum for the mobilization/demobilization expenses associated with this Project. Payment shall include all costs for Contractor's 50 percent mobilization and 50 percent demobilization, insurance and bond, construction permits and fees, job trailers, staging area fencing, site administration expenses, stand pipe and temporary meter service, and utilities to the job trailers including power, telephone, construction water needs, etc. for the entire Project. This shall include all costs for Contract Close-out, site clean-up, and all costs associated with Contractor's demobilization from the site. Mobilization/Demobilization shall not exceed 5% of the total of the below Item Descriptions, 2-24.
- 2. **Earthwork - Excavation of Existing Soils and Regrading:** Measurement and payment for Excavation shall be made at the stated unit price per cubic yard (CY) and will include full compensation for excavating natural and original ground, clearing, grubbing, and hauling, for site grading and excavation required under the proposed finish grades, concrete slabs, sidewalks, proposed building, and proposed wet well structures (phase 1 and/or 2). This shall also include all ancillary requirements necessary to satisfactorily complete the work. The Contract price paid also includes shaping and trimming slopes to solid material and to the lines and elevations shown in the plans. The material to be removed may include existing rock and soil, and new fill material up to the elevation shown in plans. No additional compensation will be allowed for proof rolling subgrade as directed by the EPWater or Engineer. No additional compensation will be allowed for removing unsuitable material from the work site. No additional compensation will be allowed for placing unsuitable material in the embankment.

EL PASO WATER  
NORTHEAST DYER/RAILROAD LIFT STATION

3. **Earthwork - Excavation of Retention Basin:** Measurement and payment for Excavation shall be made at the stated unit price per cubic yard (CY) and will include full compensation for excavating natural and original ground, clearing, grubbing, and hauling, for excavation of proposed retention pond. This shall also include all ancillary requirements necessary to satisfactorily complete the work. The Contract price paid also includes shaping and trimming slopes to solid material and to the lines and elevations shown in the plans. The material to be removed may include existing rock and soil, and new fill material up to the elevation shown in plans. No additional compensation will be allowed for proof rolling subgrade as directed by the EPWater or Engineer. No additional compensation will be allowed for removing unsuitable material from the work site. No additional compensation will be allowed for placing unsuitable material in the embankment.
4. **Earthwork - Placement of Fill and Compaction:** Measurement and payment for Earthwork placement of fill shall be made at the stated unit price per cubic yard (CY) and will include full compensation for importing (if needed), placement and compaction of select fill to finish grades and slope as indicated in the plans. Excavated soils may be replaced or reprocessed to meet the requirements of select fill in geotechnical report. No additional compensation will be allowed for placing unsuitable material in the embankment. No additional compensation will be allowed for reprocessing and placement of excavated material. Payment for geotextile fabric used in the backfill of unacceptable material encountered during sediment basin excavation and construction of the new spillway will be subsidiary to this line item at no additional cost.
5. **Asphalt Paving:** Measurement and payment for Asphalt Paving shall be made at the stated unit price per lump sum (LS) and will include full compensation for constructing a hot-mix asphalt (HMA) pavement layer composed of a compacted, dense-graded mixture of aggregate and asphalt binder mixed hot in a mixing plant (D-GR HMA TY-D SAC-A PG70-22). Placement and compaction of HMA layer to finish grades and slope as indicated in the plans and in accordance with specifications. It will also include full compensation for applying an emulsified asphalt and water mixture as a base or subgrade treatment; as a prime coat; and full compensation for constructing a foundation course composed of flexible base FL BS (CMP IN PLC) (TY A GR 3) 6-in thick. This shall include but not be limited to all materials, equipment, tools, labor, superintendence, and incidentals required to complete the work.
6. **Std. 6-in concrete curb:** Measurement and payment shall be made at the stated unit price per linear feet (LF). This shall include but not be limited to all labor, material equipment, forming, base preparation, curing and clean-up and any other incidental items not specifically mentioned in the specifications or plans, which are necessary for the proper installation of standards 6-in curb as noted on plans.
7. **Concrete header curb:** Measurement and payment shall be made at the stated unit price per linear feet (LF). This shall include but not be limited to all labor, material equipment, forming, base preparation, curing and clean-up and any other incidental items not specifically mentioned in the specifications or plans, which are necessary for the proper installation of header curb as noted on plans.
8. **Concrete sidewalk:** Measurement and payment shall be made at the stated unit price per square yard (SY). This shall include but not be limited to all labor, material equipment, forming, base preparation, curing and clean-up and any other incidental items not specifically mentioned in the specifications or plans, which are necessary for the proper construction of hydraulic cement concrete sidewalks and/or slabs.

MEASUREMENT AND PAYMENT

01025-2

Huitt-Zollars, Inc.

5822 Cromo, Suite 210 ~ El Paso, Texas 79912

(915) 587- 4339

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9. **8-ft Rockwall, Complete in Place:** Measurement and payment shall be made at the stated unit price per linear feet (LF) and will include required excavation and installation of concrete footing, uniform stone, and expansion joints. This will also include all labor, material equipment, forming, base preparation, curing and clean-up and any other incidental items not specifically mentioned in the specifications or plans, which are necessary for the proper construction an 8-ft rock wall.
10. **Iron Swing Gate, Complete in Place:** Measurement and payment shall be made at the stated unit price per each (EA). This shall include but not be limited to all labor, material equipment, welding, and any other incidental items not specifically mentioned in the specifications or plans, which are necessary for the proper installation of the iron swing gate.
11. **On-Site Water System Lines:** Measurement and payment shall be made at the stated unit price per lump sum (LS). This shall include but not be limited to trenching, pipe, piping connections, fittings, fittings for tie-ins, appurtenances, pipe embedment and backfill, detection tape, concrete blocking, restrained joints, labor, equipment, and any other incidental items not specifically mentioned in the specifications which are necessary for proper operation of the water system. This shall also include any other incidental items to install 730 LF of 8-inch DR-18 PVC Water Line, including connection to existing off-site 12-inch water main, 5-8-inch gate valves, 1-8-inch BFP and cover, 4-Fire Hydrant Assemblies, and 2-2-inch post hydrants, as called for in the plans and specifications. This shall also include all 3/4-inch and 2-inch service connections required for the operation of equipment. Refer to plans and specifications for other components required for the completion and operation of this item.
12. **Electrical Building (697 SF):** Measurement and payment shall be made at the stated lump sum (LS) and will include all labor, materials, equipment, fees required, and any other incidental items to construct a complete building structure and install the exterior building envelope and finishes as called for in the Architectural plans and specifications. This shall also include but not limited to roofing assembly, exterior sheathing, thermal insulation, joint sealants, rough carpentry, scuppers & gutters, hollow metal frames & doors, and door hardware. Refer to structural, electrical, and civil for other components required to the completion of this building, including HVAC system, louvers, light fixtures, electrical power, etc.
13. **Installation of 650 KVA, 277/480 Volt, 3 Phase Diesel Generator Set:** Measurement and payment shall be made at the stated lump sum (LS) and will include all labor, materials, equipment, fees required, and any other incidental items to install the generator set. This shall include other incidentals, as called for in the plans and specifications (Division 26). Refer to plans sheets and specifications for other components related and required for the completion and operation of this item.
14. **Installation of Electrical Power Distribution Equipment:** Measurement and Payment shall be made at the stated lump sum (LS) to include all labor, equipment, fees and any other incidental items to install a complete electrical distribution system as called for in the plans and specifications. This includes 277/480 volt, 3-phase, 800 amp combination Main Service Disconnect and ATS, distribution and branch circuit panels including overcurrent devices, equipment disconnect switches, low voltage transformers and variable frequency drives for phase 1 scope. Provide overcurrent devices for both phase 1 and phase 2 equipment. Provide equipment disconnects and branch circuits for all phase 1 equipment. Provide empty conduits and pull boxes for phase 2 equipment.
15. **Installation of Light Fixtures and Poles:** Measurement and Payment shall be made at the stated lump sum (LS) to include all labor, equipment, fees and any other incidental items to install interior and exterior lighting as called for in the plans and specifications. This includes fixtures, lamps, poles and lighting controls.



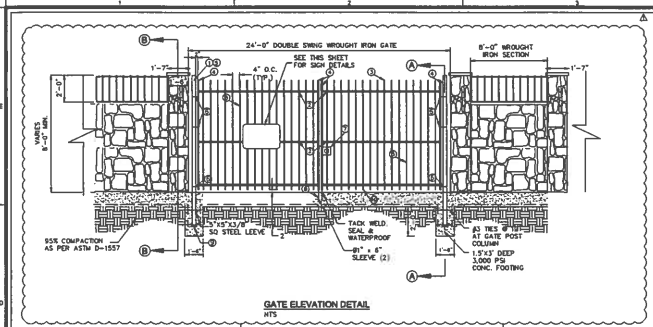
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16. **Installation of Branch Circuits and Feeders:** Measurement and Payment shall be made at the stated lump sum (LS) to include all labor, equipment, fees and any other incidental items to install all branch and feeder circuits as called for in the plans and specifications. This includes underground conduits for utility-provided primary cables, underground secondary service conduit and cable, underground power and control circuits with pull boxes out to equipment installed in phase one and empty conduit and pull boxes for future phase 2 power and control circuits. Also includes all interior power and control/monitoring circuits within the electrical building.
17. **Installation of Equipment and Material for Obtaining Electrical Utility Service:** Measurement and Payment shall be made at the stated lump sum (LS) to include all labor, equipment, fees and any other incidental items to install electrical utility service to the facility as called for in the plans, specifications and as required by El Paso Electric. Scope includes primary conduit and secondary conduit and cable, transformer pad, separate support structure for utility metering including conduit and cable between meter and transformer and transformer grounding.
18. **Installation of Control and Monitoring Equipment:** Measurement and Payment shall be made at the stated lump sum (LS) to include all labor, equipment, fees and any other incidental items to install control and monitoring equipment as called for in the plans and specifications. Scope includes a Station Control Cabinet (RTU Cabinet) with 120 volt and 24 volt DC power supply and terminal blocks, PLC modules, relays, Ethernet switch, Ethernet / serial interface, integral UPS, station wireless transceiver, antenna and antenna support, lightning and surge protection, overload fusing, cabinet with interior LED panel light and switch. Include all Components as required to operate as indicated in the PNID control diagram and other drawing details and specifications. PLC will include Discrete Inputs and Output Modules for digital or relay communications and an analog input module for 0V – 10V or 4 – 20mA signals. Provide appropriate communications cabling between controller and lift station equipment, sensors, system control panels, security devices, fire/smoke detection devices, VFD's and pump controllers. Provide additional power and input/output addresses and terminals phase 2 equipment.
19. **Lift Station Phase 1:** Measurement and payment shall be made at the stated unit price per lump sum (LS). This shall include but not be limited to all labor, material, equipment, required fees, testing, and any other incidental items related to the installation of Lift Station Phase 1 and Phase 2 components as called for in the plans and specifications (Divisions 9 – 23). Refer to plans and specifications for other components required for the proper completion and operation of this item.
20. **Gravity Sewer Lines:** Measurement and payment shall be made at the stated unit price per lump sum (LS). This shall include but not be limited to trenching, pipe, piping connections, fittings, fittings for tie-ins, appurtenances, pipe embedment and backfill, detection tape, concrete blocking, restrained joints, labor, equipment, and any other incidental items not specifically mentioned in the specifications which are necessary for proper operation of the sewer lines. This shall also include but not limited to any additional excavation, the installation of 6-ft manholes, 8-ft manholes, 10-ft manholes, 36-inch and 24-inch F679 PVC sewer pipe, all metering equipment, and equipment required for the operation of the sewer line and its components. Refer to plans and specifications for other components required for the proper completion and operation of this item.
21. **Force Main Sewer Lines:** Measurement and payment shall be made at the stated unit price per lump sum (LS). This shall include but not be limited to trenching, pipe, piping connections, fittings, fittings for tie-ins, appurtenances, pipe embedment and backfill, detection tape, concrete blocking, restrained joints, labor, equipment, and any other incidental items not specifically mentioned in the specifications which are necessary for proper operation of the force main lines as indicated on plans. This shall also include but not limited to any additional excavation, the installation of 10-ft manholes, 14, 16, 18, and 24-inch DI and DR-18 C-905 FM pipe, all metering equipment, and equipment required for the operation of the force main and its components. Refer

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to plans and specifications for other components required for the proper completion and operation of this item.

22. **Phase 1 Odor Control, Washdown, and Overhead Crane:** Measurement and payment shall be made at the stated unit price per lump sum (LS). This shall include but not be limited to all labor, materials, equipment, fees required, and any other incidental items for the installation of equipment. This also includes the installation of all 4" SCH 40 DWV required for drainage and any excavation required, the installation of I-BOx-42 and I-BOx-7000 equipment, and the installation of EMH 5-ton, 75-ft, 3-cell, free standing NOMAD runway system. Refer to plans and specifications for other components required for the proper completion and operation of this item.
23. **Structural:** Measurement and payment shall be made at the stated unit price per lump sum (LS). This shall include but not be limited to all labor, materials, equipment, testing, and any other incidental items for the construction of concrete footings, walls, slabs on grade, and all other structural items required as called for in the Structural plans and specifications (Division 3 – 5). Refer to related sections in plans and specification for other components required in this item.
24. **Trench Safety System:** Trench Safety System: Measurement and payment shall be made at the stated unit price per lump sum (LS). This shall include but not be limited to all labor, materials, equipment, and incidentals required for the installation of proper trench safety system by Trench Box Method or Shoring, Sheeting, and Bracing Method as required.



**ROCKWALL DESIGN NOTES:**

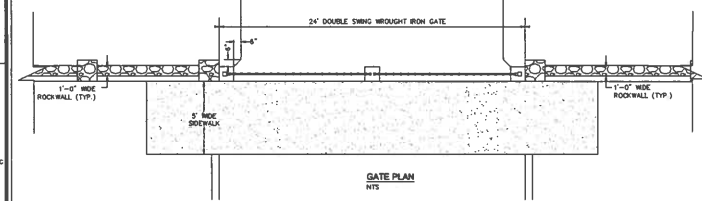
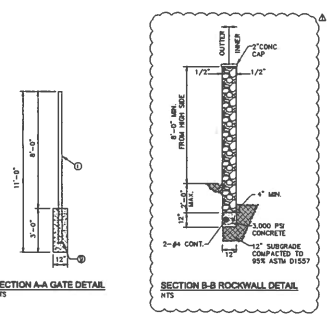
1. STONE FOR ROCKWALL SHALL BE AS NEARLY UNIFORM IN SECTION AS PRACTICABLE. THE STONE SHALL BE DENSE AND RESISTANT TO AIR AND WATER.
2. MORTAR MUST BE TYPE "M" 1800 P.S.I. AS PER ASTM C270.
3. MASONRY WALLS OVER 30 (30) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION OVER TWO (2) FEET MUST BE DESIGNED AS STRUCTURAL WALLS.
4. ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2) INCHES.
5. PROVIDE ONE (1) NON EXPANSION JOINT AT EVERY 100 LINEAL FEET OF WALL.
6. ALL STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED.
7. ALL STONE FOR ROCKWALLS SHALL BE FRACTURED QUARRIED ROCK. NO RIVER ROCK SHALL BE ALLOWED.

**NOTES FOR WROUGHT IRON:**

1. WROUGHT IRON FENCE TO BE CLEANED, PRIMED AND PAINTED (2 COATS) WITH APPROPRIATE TYPE OIL BASED PAINT.
2. ALL CONNECTION POINTS TO BE FULLY WELDED.

**EDGE KEY NOTES:**

1. 4" x 4" x 1/4" SQUARE STEEL TUBING
2. 2" x 1" x 1/4" GA. RECTANGULAR TUBING
3. 1 1/2" x 1/2" x 16 GA. RECTANGULAR TUBING
4. 2" x 1" x 10 GA. RECTANGULAR STEEL TUBING
5. FLAT TOP POLYURETHANE CAP
6. BOLT HOOK AND STRAP HANG
7. HEAVY DUTY INDUSTRIAL LATCH W/PAD LOCK
8. CAME BOLT LAUNCH W/WEATHER 5"-8"1/2" LONG
9. 5" x 5" x 3/8" SQUARE STEEL SLEEVE W/ 1/2"-1/4" 3/4" STEEL BASE PLATE
10. PRIME AND PAINT A COLOR APPROVED BY OWNER



**NOTES:**

1. CONCRETE SHALL BE 3,000 PSI MINIMUM.
2. DUMMY JOINT REQUIRED AT 10' O.C. FOR CURB & GUTTER AND AT 20' O.C. FOR SIDEWALKS WITH 1/2" PRODUCE ASPHALT IMPREGATED EXPANSION MATERIAL OR EQUAL.
3. EXPANSION JOINTS REQUIRED AT 30' O.C. WHEN FORMING FOR CURBS.
4. HEAVY DUTY INDUSTRIAL LATCH W/PAD LOCK.
5. UNLESS OTHERWISE SHOWN.

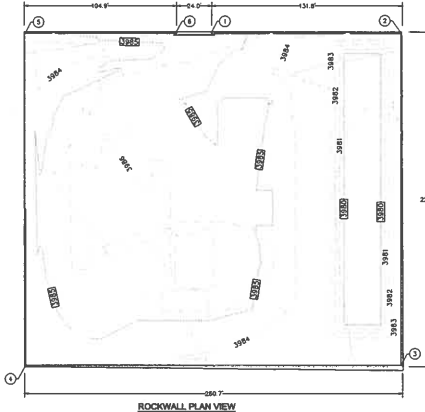
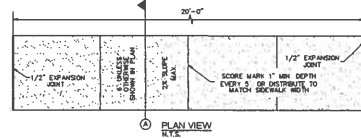
**STANDARD 8-IN CURB AND HEADER CURB SECTION**



**GENERAL NOTES:**

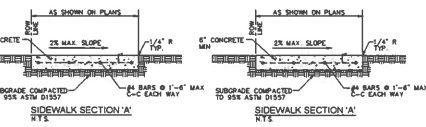
1. SIGN MATERIAL TO BE 16 GAUGE GALVANIZED SHEET METAL.
2. TOP PART OF SIGN SHALL SHOW BLACK LETTERS ON A WHITE BACKGROUND.
3. BOTTOM PART OF SIGN SHALL SHOW WHITE LETTERS ON A BLACK BACKGROUND.

**SITE SIGN - NO TRESPASSING**  
SCALE: NTS



**ROCKWALL SPOT ELEVATION**

Spot Elevation No.	Lower Elevation	Upper Elevation	Meaning Height (FT)	Top of Wall Elevation
1	3,985.80	3,985.80	0.00	3,993.60
2	3,983.33	3,984.13	0.82	3,993.60
3	3,983.33	3,983.80	0.47	3,993.60
4	3,984.68	3,985.33	0.65	3,993.60
5	3,984.83	3,984.13	0.72	3,993.60
6	3,985.80	3,985.80	0.00	3,993.60



**SIDEWALK NOTES:**

1. CONCRETE SIDEWALK SHALL BE 3,000 P.S.I. MINIMUM.
2. SCORED CONTRACTION JOINTS SHALL BE AT 6' O.C. OR EVERY 6' OR DISTRICT TO MATCH SIDEWALK WIDTH.
3. EXPANSION JOINTS SHALL BE PLACED AT 4 TIMES WIDTH OF SIDEWALK O.C. MAXIMUM, USE 1/2" PRODUCE ASPHALT IMPREGATED EXPANSION JOINTS (ASHTO M-33).
4. EXPANSION JOINT FILLER SHALL BE PLACED WHEREVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS.

**SIDEWALK/SLAB DETAIL**  
NTS

**WARNING!**  
BEFORE YOU DIG  
CONTRACTOR SHALL  
FIELD LOCATE ALL EXISTING  
UNDERGROUND IMPROVEMENTS  
IN PROJECT AREA

**UTILITY LOCATOR SERVICES**

TEXAS 811	1-811
EL PASO WATER	1-915-594-5528
FORT BULLS ONE	1-915-568-2268
ORCOG WOODMAN	1-915-772-7400
TEXAS GAS SERVICE	1-915-582-3093
EL PASO NATURAL GAS	1-800-334-8867
T & T	1-800-266-8343
EL PASO ELECTRIC CO.	1-800-233-1133
THE WARRIOR CABLE	1-915-772-1133
TEXAS (NUMBER 915) 915	1-800-652-3788
EL PASO CAPITAL IMPROV	1-915-512-0065

**el paso WATER**

**NORTH-EAST DYER / RAILROAD FORCE MAIN**

**HUITZ-ZOLLARS**

**CHIL DETAILS**

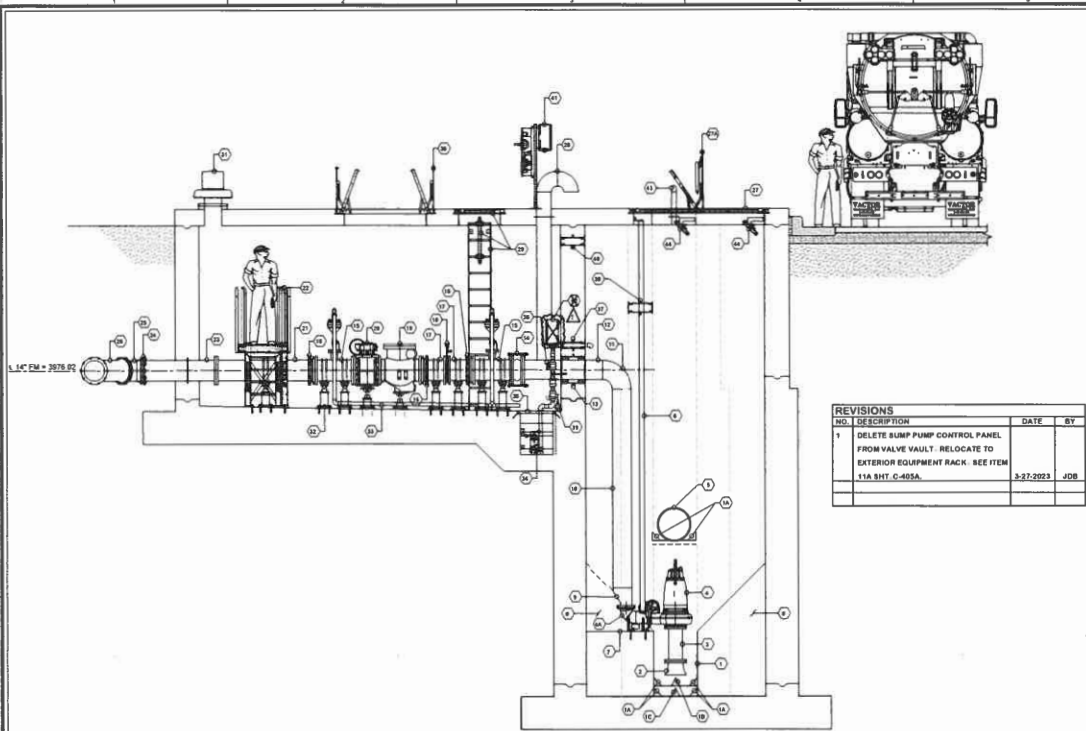
**PROJECT NAME**  
NORTH-EAST DYER / RAILROAD FORCE MAIN

**DATE**  
11/27/2023

**SCALE**  
AS SHOWN

**SHEET TITLE**  
CHIL DETAILS

**SHEET NO.**  
C-106 of 9



NO.	DESCRIPTION	DATE	BY
1	DELETE SUMP PUMP CONTROL PANEL FROM VALVE VAULT. RELOCATE TO EXTERIOR EQUIPMENT RACK. SEE ITEM #11A BHT-C-405A.	3-27-2023	JDB

- KEY NOTES:**
- PHASE 1 WET WELL LINE VCH
  - TRENCH FLOOR FLUET
  - TRENCH FLOOR FLOW SPLITTER
  - CLEANING PUMP FLOOR ANTI-VORTICE CONCRETE FLOOR SPLITTER
  - 2\"/>

- NOTES:**
- CONTRACTOR SHALL VERIFY ALL HATCH PENETRATION DIMENSIONS PRIOR TO FINISHING OPERINGS.
  - CONTRACTOR SHALL VERIFY CENTURY LINE WALL SLEEVE SIZE AND LINK-SEAL SIZE AND NUMBER BASED ON ACTUAL PIPE DIAMETER USED.
- EQUIPMENT NOTES:**
- PRODUCT INFORMATION SHOWN ON THIS SHEET IS INTENDED TO SHOW DIMENSIONAL INFORMATION USED IN DESIGN AND TO PROVIDE MINIMUM SPECIFICATION REQUIREMENTS FOR THE ITEMS INTENDED USE.
  - CONTRACTOR MAY SUBMIT SUBSTITUTE EQUIPMENT FOR REVIEW AND APPROVAL BY OWNER THAT GENERALLY SATISFIES THE INFORMATION PROVIDED HEREIN.
  - OWNER RESERVES THE RIGHT TO REJECT SUBSTITUTE EQUIPMENT SUBMITTALS.
  - NO INCREASE IN APPROVED CONTRACT PRICE WILL BE ALLOWED SHOULD THE CONTRACTOR'S SUBSTITUTE SUBMITTAL BE REJECTED.
- PIPING NOTES:**
- ALL STAINLESS STEEL PIPE AND FITTINGS AND DUCTILE IRON PIPE AND FITTINGS SHALL HAVE 40 MIL INTERIOR COATING OF PROTECTO 401. DO NOT USE CEMENT MORTAR LINING.
  - ALL PIPING IN WET WELL, VALVE VAULT, METERING MANHOLES, AND BYPASS MANHOLES TO BE PROVIDED WITH ANTI-CORROSION COATING PER SECTION 99 07 16. COLOR TO BE DETERMINED BY OWNER.
  - ALL STAINLESS STEEL PIPE SHALL BE ASTM A312 TP316, STD SEAMLESS STAINLESS STEEL (OD CONTROLLED).
  - ALL DUCTILE IRON PIPE SHALL BE PC1500. ALL GASKETS FOR FLANGED FITTINGS SHALL BE RATED FOR 300 PSIG.
- PROTECTIVE COATINGS:**
- ALL CONCRETE SURFACES IN SANITARY SEWER MANHOLES, WET WELLS, METERING MANHOLES, AND BYPASS MANHOLES TO BE PROVIDED WITH ANTI-CORROSION COATING PER SECTION 33 39 80.

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**HUTT-ZOLARS**

**NORTHEAST DYER / RAILROAD LIFT STATION**

**PHASE 1 WET WELL ENTRANCE AND VALVE VAULT EQUIPMENT ELEVATION**

SHEET C-406 OF 56