

EL PASO WATER – PUBLIC SERVICE BOARD

Bid No. 19-22 – EDA Northwest Development Sewer Main Extension

ADDENDUM 1

RESPONSES TO BIDDERS

August 16, 2022

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.



8-16-22

A blue ink signature of Robert L. Davidson.

8/16/22

Robert L. Davidson

Contracts Construction Administrator 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.

PART A – BIDDING REQUIREMENTS, CONTRACT FORMS, AND CONDITIONS OF THE
CONTRACT

Item No.	Page or Drawing No.	Location and Description of Change
1.01	00010 – 1	INFORMAL NOTICE, FIRST PARAGRAPH, FIRST SENTENCE. CHANGE Bid Opening date to “ August 22, 2022. ” Time deadline to submit proposals remains the same.
1.02	00020 – 1	INVITATION TO BID, FIRST PARAGRAPH, FIRST SENTENCE. CHANGE Bid Opening date to “ August 22, 2022. ” Time deadline to submit proposals remains the same.
1.03	00300 – 3-5	BID FORM, Section 00300, REPLACE in its entirety with attached BID FORM.

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, REPLACE in its entirety with attached MEASUREMENT AND PAYMENT, Section 01025.

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

**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

SEE INSTRUCTIONS: Form 1295 and Sample Form 1295 at the end of Section 00300 – Bid Form

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>UOM</u>	<u>Brief Description of Item</u>	<u>Unit Bid Price</u>	<u>Extended Amount (Qty. x Unit Price)</u>
1.	1	L.S.	Insurance, Bonds, and Move-In Related Expenses, Not to Exceed 5% of Bid Item Nos. 2 through 19. If Item No. 1 exceeds 5%, bid may be deemed non-responsive)	\$ _____	\$ _____
2.	3033	L.F.	Furnish and Install 12-inch PVC (C-900 green) Sewer pipe, fittings and accessories	\$ _____	\$ _____
3.	205	L.F.	Furnish and Install 21-inch PVC (C-900 green) Sewer pipe, fittings and accessories	\$ _____	\$ _____
4.	190	L.F.	Furnish and install 36" steel casing (Bored)	\$ _____	\$ _____
5.	9	EA	Standard Manhole (48") (Up to 6-Foot Deep) Complete in Place	\$ _____	\$ _____
6.	1	EA	Standard Manhole (72") (Up to 6-Foot Deep) Complete in Place	\$ _____	\$ _____
7.	54	V.F.	Extra Depth Manholes (48")	\$ _____	\$ _____

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>UOM</u>	<u>Brief Description of Item</u>	<u>Unit Bid Price</u>	<u>Extended Amount (Qty. x Unit Price)</u>
8.	12	V.F.	Extra Depth Manholes (72")	\$ _____	\$ _____
9.	2	EA	Drop Manhole Connection	\$ _____	\$ _____
10.	3033	L.F.	Trench Safety System up to 6-Feet Deep: Trench Box Method or Shoring, Sheeting, and Bracing Method	\$ _____	\$ _____
11.	3033	L.F.	Trench Safety System from 6-Feet to 12-Feet Deep: Trench Box Method or Shoring, Sheeting, and Bracing Method	\$ _____	\$ _____
12.	840	L.F.	Trench Safety System from 12-Feet to 18-Feet Deep: Trench Box Method or Shoring, Sheeting, and Bracing Method	\$ _____	\$ _____
13.	50	L.F.	Trench Safety System from 18-Feet to 24-Feet Deep: Trench Box Method or Shoring, Sheeting, and Bracing Method	\$ _____	\$ _____
14.	960	C.Y.	Furnish and install cement stabilized backfill	\$ _____	\$ _____
15.	2,818	S.Y.	Furnish and Install HMAC Replacement	\$ _____	\$ _____
16.	2,000	L.F.	12" Concrete Rolled Curb	\$ _____	\$ _____
17.	1	L.S	Traffic Control	\$ _____	\$ _____
18.	1	L.S	Pipeline Route Videotaping	\$ _____	\$ _____

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>UOM</u>	<u>Brief Description of Item</u>	<u>Unit Bid Price</u>	<u>Extended Amount (Qty. x Unit Price)</u>
19.	1	L.S.	Allowance for Railroad Inspection/Flagging, groundwater monitoring, groundwater dewatering, and other work at owner's discretion.	\$ <u>400,000</u>	\$ <u>400,000</u>

TOTAL BID PRICE (ITEMS 1 THROUGH 19) \$ _____

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:

MATERIALS TO BE INCORPORATED IN PROJECT NOT SUBJECT TO SALES TAX: \$ _____

LABOR TO BE INCORPORATED IN PROJECT NOT SUBJECT TO SALES TAX: \$ _____

RENTAL EQUIPMENT AND OTHER TAXABLE ITEMS: \$ _____

OTHER (I.E. BONDS, INSURANCE, CAPITAL EQUIPMENT, ETC.) \$ _____

***TOTAL CONTRACT:** \$ _____
***(TOTAL MUST EQUAL TOTAL BID PRICE)**

EDA NORTHWEST DEVELOPMENT SEWER MAIN EXTENSION

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, 2-18.
- 2. **12-inch and 21-inch Sanitary Sewer Pipe PVC (C-900):** Measurement and payment shall be made at the stated unit price per linear foot of approved pipe, lined, wrapped, furnished, and installed as called for in the plans and specifications. The sewer line material shall be SDR 35 PVC for the 12-inch sewer mains and PS46 for the 21-inch. This shall include but not be limited to trenching, pipe, appurtenances, pipe embedment and backfill, detection tape, labor, equipment, and any other incidental items not specifically mentioned in the specifications which are necessary for proper operation of the sewer main. Work under this item shall also include all costs associated with the cutting and capping of the existing sewer main lines, dewatering of existing pipe, and the removal and disposal of any buried pipe, as required and needed to provide for a fully operational system; protection of existing utilities; repairing/replacing broken or interfering mains damaged during construction; repair/replacement of head and curb; damaged drainage pipes and replacement of storm metal grates; and repair/replacement of sidewalks. Additional fittings required for adjustment in lengths, alignment shifts, and elevations needed to properly install the sewer main line system shall be accounted for under this item as well, at no additional cost to the

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Owner. Measurement and payment for this item shall **ALSO** include the cost associated with the removal and disposal of any existing pipe removed **AND** the pipe being replaced and its associated costs including compliance with most current O.S.H.A., TCEQ, and EPA regulations regarding the safe handling, dewatering, removal and disposal of the sewer main line. Costs associated with any permits for the proper disposal of the sewer main pipe and related fittings, and arrangements made for place of disposal prior to removal of the sewer main pipe are also subsidiary to installation of this work. The EPWater will not accept any items removed from the system at any of its facilities. Measurement and payment for this item shall **ALSO** include embedment Class C for gravity pipe in wet conditions. Measurement and payment for this item shall **ALSO** include the sewer line pipe to be installed surrounded with approved geotechnical fabric with a standard overlap, placed 4" below and 12" above the new sewer pipe, and 8" on each side of the pipe as shown on the plans and specifications. Work under this item shall also include: Measurement and payment for this item shall include the cost associated with the installation of sewer mains (as described above) to include the 15-inch and 8-inch sewer main lines; **AND** shall **ALSO** include abandonment in place of the existing sewer lines, cutting and capping lines next to manholes, and filling with 2-sack. Contractor shall refer to the geotechnical engineering study by LOI engineers, dated July 2021 for soil site conditions, particularly for the bored F-10 crossing additional efforts to accommodate work is subsidiary to installation of water pipe and on steel casing (bored) installation. Water and sewer services shall be protected. Damaged water services shall be replaced per plans, Detail 9, Sheet 10 of 11. Any damaged water or sewer services are covered under this line item and shall be replaced at no additional cost.

3. **Bored Method Installation of 36-inch Steel Casing:** Measurement and payment shall be made at the stated unit price per linear foot. This shall include but not be limited to all materials, equipment, tools, labor, superintendence, and incidentals, including all necessary field-welding to install casings, carrier pipes and accessories, as indicated on the drawings.
4. **Sanitary Sewer Manholes, 48" Type A:** Measurement and payment shall be made at the unit bid price per each manhole as shown on the plans and specifications. This shall include but not limited to furnishing all labor, new materials and equipment and performing all operations necessary to construct the sanitary sewer manholes 6-feet or less in depth. Depth is defined as the distance from the top of the cast iron frame to the invert of the sewer. This includes any extra excavation, backfill, concrete base, concrete or brick walls, conical section, frame and cover, providing an external and internal protective bituminous coating such as coal tar epoxy, and any other facility or work necessary for the complete manhole. Any stub-outs shown on the plans shall be paid under this item.
5. **Sanitary Sewer Manholes, 72" Type B:** Measurement and payment shall be made at the unit bid price per each manhole as shown on the plans and specifications. This shall include but not limited to furnishing all labor, new materials and equipment and performing all operations necessary to construct the sanitary sewer manholes 6-feet or less in depth. Depth is defined as the distance from the top of the cast iron frame to the invert of the sewer. This includes any extra excavation, backfill, concrete base, concrete or brick walls, conical section, frame and cover, providing an external and internal protective bituminous coating such as coal tar epoxy, and any other facility or work necessary for the complete manhole. Any stub-outs shown on the plans shall be paid under this item.

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6. **Sanitary Sewer Manholes, 48" Type A1, EXTRA DEPTH:** Measurement and payment shall be made at the unit bid price per vertical foot as shown on the plans and specifications. This shall include, but not limited to furnishing all labor, new materials and equipment and performing all operations necessary to construct the depth of sanitary sewer manhole in excess of 6-feet; including but not limited to providing an external protective bituminous coating, such as coal tar epoxy. This measurement shall be the distance from the top of the frame to the invert of the manhole less 6-feet.
7. **Sanitary Sewer Manholes, 72" Type B, EXTRA DEPTH:** Measurement and payment shall be made at the unit bid price per vertical foot as shown on the plans and specifications. This shall include, but not limited to furnishing all labor, new materials and equipment and performing all operations necessary to construct the depth of sanitary sewer manhole in excess of 6-feet; including but not limited to providing an external protective bituminous coating, such as coal tar epoxy. This measurement shall be the distance from the top of the frame to the invert of the manhole less 6-feet.
8. **Drop Manhole Connection:** Measurement and payment shall be made at the unit bid price per each drop manhole connection as shown on plans and specifications. This shall include but not be limited to furnishing all labor, material and equipment and performing all operations necessary to construct the drop manhole connection, as per detail in plans.
9. **Trench Safety System (1' to 6'):** Measurement and payment shall be made at the stated unit price per linear foot to include all labor, materials, equipment, and incidentals required for the installation of trench safety system for the construction of the gravity sanitary sewer line.
10. **Trench Safety System (6' to 12'):** Measurement and payment shall be made at the stated unit price per linear foot to include all labor, materials, equipment, and incidentals required for the installation of trench safety system for the construction of the gravity sanitary sewer line.
11. **Trench Safety System (12' to 18'):** Measurement and payment shall be made at the stated unit price per linear foot to include all labor, materials, equipment, and incidentals required for the installation of trench safety system for the construction of the gravity sanitary sewer line.
12. **Trench Safety System (18' to 24'):** Measurement and payment shall be made at the stated unit price per linear foot to include all labor, materials, equipment, and incidentals required for the installation of trench safety system for the construction of the gravity sanitary sewer line.
13. **Cement Stabilized Backfill:** Measurement and payment shall be made at the stated unit price per cubic yard, for 1 foot of cement stabilized backfill required as shown on the plans and specifications. This shall include but not be limited to cement stabilized backfill, labor, equipment, traffic control and any other incidental items not specifically mentioned in the specifications, which are necessary for the pavement of the street that was excavated. No additional payment will be made for cement stabilized backfill required to fill oversized trench widths, intentionally or accidentally excavated by the Contractor.
Quantities as shown on the proposal shall be considered as final quantities and no further measurement will be required, unless the alignment, grades, or sewer locations are revised by the Engineer during construction. In addition, final determination of cement stabilized backfill quantities will be made if, in the opinion of the Engineer or upon evidence furnished by the Contractor, substantial variations exist between quantities shown on the plans and actual quantities due to changes in cross sections, apparent errors, or poor pavement conditions that are beyond the control of the Contractor.

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Stabilized backfill shall be used in the embedment of steel casings and backfill under paved areas as required by the City of El Paso or the Texas Highway Department as applicable. Cement stabilized backfill shall be a two (2) sack cement to soil mix in accordance with Texas Highway Department Standards.

No additional payment will be made for cement stabilized material required for sloped trenches excavated which are intended to replace approved box or braced shoring systems for trench safety.

14. **HMAC Replacement:** Measurement and payment shall be made at the stated unit price per square yard for HMAC. This shall include but not be limited to HMAC, labor, equipment, traffic control and any other incidental items not specifically mentioned in the specifications which are necessary for the pavement of the street that was excavated. No additional payment will be made for HMAC Pavement Replacement required to fill oversized trench widths, intentionally or accidentally excavated by the Contractor.

Quantities as shown on the proposal shall be considered as final quantities and no further measurement will be required, unless the alignment, grades, or sewer locations are revised by the Engineer during construction. In addition, final determination will be made if, in the opinion of the Engineer or upon evidence furnished by the Contractor, substantial variations exist between quantities shown on the plans and actual quantities due to changes in cross sections, apparent errors, or poor pavement conditions that are beyond the control of the Contractor.

15. **12" Concrete Rolled Curb:** Measurement and payment shall be made at the stated unit price per linear foot to include all labor, materials, equipment, and incidentals required for the proper installation of the 12" concrete header curb.
16. **Traffic Control:** Measurement and payment shall be made at the stated lump sum to include all traffic control devices as shown on the plans or as required by the City of El Paso and/or the Texas Department of Transportation (when applicable). Item will be paid as a percentage of completion to the overall project completion percentage.
17. **Pipeline Route Videotaping:** Measurement and payment shall be made at the stated lump sum to include all labor and materials required to videotape the pipeline route prior to and post construction. Also to include cost to convert master videotape to DVD format. Contractor will provide owner with one (1) copy of the videotape and one (1) DVD. The Engineer will be provided with one (1) copy of the videotape and the Contractor will also keep one (1) copy of the videotape. Item will be paid as a percentage of completion of actual line item.
18. **ADDITIONAL WORK NOT INCLUDED IN BID ITEMS (ALLOWANCE):** Allowance in the amount of \$400,000 will be allocated for railroad inspection/flagging, groundwater monitoring, groundwater dewatering, and other work at owner's discretion. This includes the construction and maintenance of monitoring wells and/or installation of piezometer to determine the need to implement a groundwater dewatering system. The groundwater dewatering shall constitute full compensation for obtaining any necessary permits and furnishing all equipment, labor, and materials to install, operate, maintain, and remove the dewatering system in accordance with all applicable regulations. No payment shall be made to the CONTRACTOR until copies of the permits are supplied to the CONTRACTING AUTHORITY. The CONTRACTOR shall be required to submit a schedule of values to the ENGINEER OF RECORD to explain the breakdown of the lump sum price. This schedule of values will only be used to determine the appropriate amount of the lump sum to be attributed to each progress payment. The following list contains items that should be used, at a minimum, for the schedule of values:
- Obtaining permits and complying with permit requirements
 - Drilling the wells
 - Installing the pumps

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- Installing power supply
- Discharge and/or manifold piping
- Removal

Each base bid for any unforeseen costs and work associated with any new items and/or any of the aforementioned items listed in the measurement and payment and as specified by engineer's construction plans. This allowance shall only be used for items that are not specifically listed above and are associated with the installation of items specified in measurement and payment and in the bid form. Measurement and Payment for this item shall not to exceed \$400,000. The payment for this item will be by invoices.

MEASUREMENT AND PAYMENT

01025-5

Huitt-Zollars, Inc.

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