

ADDENDUM NO. 1
October 6, 2025

PROJECT: CITY OF MELVIN
WATER SYSTEM IMPROVEMENTS

BID DATE: OCTOBER 30, 2025

The following changes and/or additions shall be made to the Plans, Specifications, and Contract Documents for the above referenced project. Bidder shall acknowledge receipt of this Addendum by signing below and returning this Addendum with the Bid.

1) GENERAL

- a) Bid schedule shall be replaced with the attached copy.

2) PLAN SHEETS

- a) Plan sheet 8 shall be replaced with the attached copy.
 - i) The line to be abandoned under FM 2028 shall be cut, filled with flowable fill, and capped after the new line is in service.
 - ii) The existing shutoff valves to the elevated storage and standpipe storage are not operational. Contractor shall add insertion valves to the fill lines on both tanks as shown on the revised plan sheet. This shall be completed prior to placing the new line in service.

3) SPECIFICATIONS

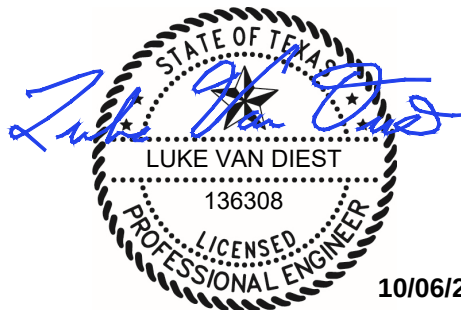
- a) Specification 33 02 11 for insertion valves is attached.

Bidder's Acknowledgment

Date

Prepared by:

JACOB | MARTIN
TBPE Firm No. 2448



10/06/2025

**CITY OF MELVIN
WATER SYSTEM IMPROVEMENTS
BASE BID SCHEDULE
ADDENDUM #1 MODIFIED**

Show prices in numerals. Round off unit prices to two decimal places only.

These Bid Prices must include all labor, materials, equipment, insurance, overhead, superintendence, transportation, profits & incidentals to cover the finished Work called for in the Contract Documents.

For all Labor, Materials, Equipment and Incidentals to Furnish and Install the Following:

Bid Item	Description	Est. Qty.	Unit	Unit Price	Extended Amount
1	Mobilization, Bonds, & Insurance	1	LS	\$	\$
2	8" DR-18 C900 PVC Water Line	955	LF	\$	\$
3	2" DR-11 HDPE Water Line	50	LF	\$	\$
4	8" Gate Valve & Box	9	EA	\$	\$
5	6" Gate Valve & Box	5	EA	\$	\$
6	8"x2" or 6"x2" Tapping Sleeve, 2" Tapping Valve	3	EA	\$	\$
7	8" Water Line Connection	3	EA	\$	\$
8	6" Water Line Connection	3	EA	\$	\$
9	2" Water Line Connection	3	EA	\$	\$
10	5/8 x 3/4" Short Water Service Reconnect	4	EA	\$	\$
11	5/8 x 3/4" Long Water Service Reconnect	1	EA	\$	\$
12	6" Fire Hydrant	2	EA	\$	\$
13	Remove Existing Fire Hydrant	1	EA	\$	\$
14	14" Steel or 16" HDPE Bore and Encasement	70	LF	\$	\$
15	Base Repair	185	LF	\$	\$
16	8" Insertion Valve	2	EA	\$	\$
17	Cut, Cap, and Fill Abandoned 8" WL in TxDOT R.O.W. with Flowable Fill	1	EA	\$	\$
TOTAL BASE BID (BB) (Items 1-17)					\$

NOTES:

BASE BID IS FOR WORK SHOWN ON LIVE OAK STREET (PLAN SHEET 8)

BASE BID AND ALTERNATE BIDS WILL BE AWARDED AS THE PROJECT BUDGET ALLOWS

ORDER OF PRIORITY:

- 1). **BB**
- 2). **BB + A1**
- 3). **BB + A1 + A2**

IT IS NOT ANTICIPATED THAT TRENCH SAFETY WILL BE REQUIRED FOR EXCAVATION OVER 5 FEET IN DEPTH. HOWEVER, IN THE EVENT THAT TRENCH SAFETY IS REQUIRED, BIDDER SHALL ENTER A PRICE PER LINEAR FOOT BELOW TO ESTABLISH THE UNIT PRICE

\$/LF FOR TRENCH SAFETY

**CITY OF MELVIN
WATER SYSTEM IMPROVEMENTS
ALTERNATE BID SCHEDULE
ADDENDUM #1 MODIFIED**

Show prices in numerals. Round off unit prices to two decimal places only.

These Bid Prices must include all labor, materials, equipment, insurance, overhead, superintendence, transportation, profits & incidentals to cover the finished Work called for in the Contract Documents.

ADDITIVE ALTERNATE BID 1

ADDITIVE ALTERNATE BID 1 IS FOR WORK SHOWN ON S. NOYES AVENUE (SHEET 3) FROM STA 0+00 TO STA 7+00.

For all Labor, Materials, Equipment and Incidentals to Furnish and Install the Following:

Bid Item	Description	Est. Qty.	Unit	Unit Price	Extended Amount
1	Mobilization, Bonds, & Insurance	1	LS	\$	\$
2	6" DR18 C900 PVC Water Line	700	LF	\$	\$
3	6" Gate Valve & Box	7	EA	\$	\$
4	8" Water Line Connection	1	EA	\$	\$
5	6" Water Line Connection	2	EA	\$	\$
6	5/8 x 3/4" Long Water Service Reconnect	1	EA	\$	\$
7	5/8 x 3/4" Short Water Service Reconnect	2	EA	\$	\$
8	Fire Hydrant	2	EA	\$	\$
9	Remove Existing Fire Hydrant	1	EA	\$	\$
10	Base Repair	180	LF	\$	\$
	TOTAL ADDITIVE ALTERNATE BID 1 (A1) (Items 1-10)				\$

**CITY OF MELVIN
WATER SYSTEM IMPROVEMENTS
ALTERNATE BID SCHEDULE
ADDENDUM #1 MODIFIED**

Show prices in numerals. Round off unit prices to two decimal places only.

These Bid Prices must include all labor, materials, equipment, insurance, overhead, superintendence, transportation, profits & incidentals to cover the finished Work called for in the Contract Documents.

ADDITIVE ALTERNATE BID 2

ADDITIVE ALTERNATE BID 1 IS FOR WORK SHOWN ON FM 2028 (STA 7+00 SHEET 3 THROUGH END OF SHEET 7)

For all Labor, Materials, Equipment and Incidentals to Furnish and Install the Following:

Bid Item	Description	Est. Qty.	Unit	Unit Price	Extended Amount
1	Mobilization, Bonds, & Insurance	1	LS	\$	\$
2	6" DR18 C900 PVC Water Line	3,360	LF	\$	\$
3	6" Slick Bore	280	LF	\$	\$
4	6" Gate Valve & Box	4	EA	\$	\$
5	8"x2" or 6"x2" Tapping Sleeve, 2" Tapping Valve	1	EA	\$	\$
6	6" Water Line Connection	1	EA	\$	\$
7	2" Water Line Connection	1	EA	\$	\$
8	5/8 x 3/4" Short Water Service Reconnect	9	EA	\$	\$
9	Fire Hydrant	2	EA	\$	\$
10	Remove Existing Fire Hydrant	1	EA		
	TOTAL ADDITIVE ALTERNATE BID 2 (A2) (Items 1-10)				\$

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22172 City of Melvin Waterline Replacement		EZ VALVE INSERTION SYSTEM

SECTION 33 02 11 - EZ VALVE INSERTION SYSTEM

PART 1 SCOPE

1.1 GENERAL

This Specification covers the furnishings and complete installation of the EZ Valve Insertion System for pipe sizes 4" through 12".

1.2 EQUIPMENT CAPABILITY

The equipment shall be capable of installation, without shutdown, at one location, of pipe sizes, in the range of 4" to 12" diameters. The capabilities Specified herein are minimum mandatory requirements that must be met by any Insertion Equipment or Insertion Valve offered.

1.3 REFERENCE STANDARDS

ASTM A536 - Standard Specification for Ductile Iron Castings; 1984 (Reapproved 2014).

AWWA C509 - Resilient-Seated Gate Valves for Water Supply Service; 2009.

1.4 VALVE INSERTION EQUIPMENT

<u>Quantity</u>	<u>Description</u>
1 each	End Mill Machine (4" - 12" Capability)
1 each	Drive Motor: Hydraulic, Pneumatic, or Electric
1 each	Temporary Valve (4" - 8")
1 each	Temporary Valve (10" - 12")
1 each	Plug Insertion Tool
1 each	End Mill Cutter
1 each	Central Drill Hexagonal Screw Drive
1 each	Replaceable teeth
1 each	Rotating Feed Apparatus (4")
2 each	End Rings (4")
1 each	Rotating Feed Apparatus (6")
2 each	End Rings (6")
1 each	Rotating Feed Apparatus (8")
2 each	End Rings (8")
1 each	Rotating Feed Apparatus (10")
2 each	End Rings (10")
1 each	Rotating Feed Apparatus (12")
2 each	End Rings (12")
1 each	Drive Chain
1 each	Hand Crank
1 each	Export Hose
1 each	Debris Collection Bag
1 each	Misc. Tool Kit

PART 2 PRODUCTS

2.1 VALVE FOR USE WITH SPECIFIED EQUIPMENT

Furnishing and installation of the valve shall be included in the bid item unit price.

- A. The EZ Valve shall be capable of pressure-tight assembly to exterior of the pipe in which flow is to be stopped at a working pressure not to exceed 250 PSI.
- B. The EZ Valve assembly shall be designed as to be easily rotated 120 degrees, perpendicular across the top of the pipe, while riding on two (2) separate rubber gaskets, constructed of (EPDM or SBR), by using a perpendicular rotary feed mechanism, driven by a chain.

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- C. The EZ Valve shall be constructed of a two (2) piece, ductile iron casting (Top & bottom), to be bolted together, using ductile iron bolts with zinc alloy anodes (Corrosion protection), manufactured to the ductile iron specification of ASTM A536.
- D. The EZ Valve shall meet or exceed AWWA C509 for resilient seal valves suitable for potable water service.
- E. The Ductile Iron Gate shall have a resilient rubber seal 360 degrees around the gate and is expandable to the ID (Inside Diameter) of the pipe.
- F. The valve stem shall be made of Stainless Steel 1 CR 12, with a tensile strength of 60,000psi.
- G. The valve body shall have an epoxy/ E Coating of no less than 8 mills.
- H. The EZ Valve shall use Stainless Steel fasteners joining the Valve Bonnet to the valve top casting, unless otherwise noted in assembly drawings.
- I. The final Restraint Fasteners (360 Degree) around the valve casting shall be constructed of Stainless Steel 304.
- J. Design of valve shall be such that the valve shall have a satisfactory seal against the pipe exteriors in the following ranges, by using multiple gaskets if necessary:

<u>PIPE SIZE</u>	<u>DIAMETRICAL RANGE</u>
4"	4.40 - 4.60
4"	4.80 - 5.00
6"	6.40 - 6.80
6"	6.70 - 7.10
8"	8.35 - 8.75
8"	8.95 - 9.35
10"	10.65 - 10.85
10"	11.10 - 11.50
12"	12.65 - 12.85
12"	13.20 - 13.50

2.2 EQUIPMENT

The size and weights of each (4" though 12") EZ Valve insertion unit shall be, once lowered into an excavation hole, so that two (2) employees can mount the equipment onto the valve.

- A. This equipment shall consist of tapping unit, and a detachable rotary chain drive feed.
- B. The End Mill cutting system shall have a positive "Stop" Mechanism located on the opposite end of the valve casting, from the rotary chain feed drive, to prevent under or over rotation of the 120 degree slotting operation.
- C. The End Mill cutting unit shall be able to cut size (4" - 12") pipe with one (1) size end mill cutter 45 MM (4", 6", & 8") and one (1) size end mill cutter 60 MM (10" - 12"). NOTE: New designs of the EZ Valve may incorporate the use of only one size end mill cutter for sizes 4"-12".
- D. Drive motor shall be electric, hydraulic, or pneumatic (specified by purchaser) interchangeable and capable of installation and removable from tapping machine without any modification.
- E. The end mill cutter shall be manually advanced laterally by the work person to prevent cutter damage due to inclusions (hard spots, etc.) in the pipe. The cutter teeth shall be able to be field replaceable if necessary.
- F. The End Mill process shall constitute a rotary End Mill, that through the rotation of the valve casting, cuts a slot, 120 degrees across the top of the pipe only. This allows for the insertion of the gate mechanism.
- G. The End Mill operation shall take place through a 2" temporary valve.

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- H. During the End Mill operation, the “Chips” created by the End Mill Cutter shall be flushed outside of the pipe, through the chip flushing hose attached to the valve body port located 180 degrees from the End Mill.

2.3 EQUIVALENT EQUIPMENT AND MATERIALS

Whenever a material or article is Specified or described by using the name of proprietary product or the name of a particular manufacturer or vendor, the specific item mentioned shall be understood as establishing the type, function, and quality desired.

PART 3 EXECUTION

3.1 OPERATING AND MAINTENANCE MATERIALS

The two (2) complete sets of operation and maintenance shall be furnished for the system.

3.2 DELIVERY

All equipment shall be bid F.O.B. with freight allowed to the CONTRACTOR. When delivered the equipment shall be complete and ready to operate.

3.3 DEMONSTRATION

A qualified representative of the manufacturer shall provide eight (8) hours of demonstration and training in the use of equipment specified. The demonstration and training shall be conducted under actual job conditions. All cost for this training shall be included in the prices bid for the equipment.

3.4 WARRANTY

A one year warranty shall cover parts and labor for equipment and valves (Excluding perishable tooling and o-rings) barring misuse or lack of routine maintenance.

END OF SECTION

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