Loxahatchee River District

County Line Road Reclaimed Water Main, Water Main And Raw Water Main Relocation

Addendum Number 4

(w/Bid Clarifications)

January 03, 2025

This document forms a part of the Contract Documents and modifies the original plans and specifications dated November 2024 as noted below.

Acknowledge receipt of this Addendum in the space provided within the Proposal (Article 2, Page 21, Paragraph 12) and within the Bid Security (Article 3, Page 43, Paragraph 7). Failure to do so may subject the bidder to disqualification.

This Addendum consists of TWO (2) pages and the following attachments;

- *Instruction to Bidders – Article 1, Page 17 (1-Page)*
- *Proposal – Article 2, Page 21 (1-Page)*
- *Contract – Article 5 (BID FORM), Pages 50 thru 53 (4-Pages)*
- *Section 01050 Measurement and Payment, Pages 9 & 10 (2-pages)*

1. Instruction to Bidders – Article 1

   DELETE Page 17 and INSERT the revised Page 17 attached.
   Note, REVISED last paragraph in Section 24. Health, Safety and Environmental Performance to read as, "Bidder shall submit with their Bid OSHA Form 300Acompleted for the year 2023…."

2. Proposal – Article 2

   DELETE Page 21 and INSERT the revised Page 21 attached.
   Note, REVISED Paragraph 13.f. to read as, "Initial_____.OSHA'sForm300A completed for the year 2023".

3. Contract – Article 5 (BID FORM)

   DELETE Pages 50 thru 53 and INSERT the revised Pages 50 thru 53 attached. Note that Bid Item II.C.4.a was DELETED.

4. Section 01050 Measurement and Payment

   DELETE Pages 01050-9 and 10 and INSERT revised pages 01050-9 and 10. Note that Item 4.a was DELETED.

5. The following address questions/clarifications per Contractor requests.

A. Is a geotechnical report or soil boring log available?

A geotechnical report was provided in the Bid Documents under Appendix F, as prepared by Terracon on 9/11/2023.

B. Are there any specific M/WBE goals or requirements for this project?

This project does not have any M/WBE requirements.

C. Does this project have any AIS or BABA requirements for materials?

This project does not have any AIS/BABA requirements.

D. Will the District be providing a location where drill mud can be disposed of?

No, the Contractor will be responsible for the disposal of all associated drill mud generated during this project.

E. With the upcoming holiday schedule many of the vendors and subcontractors that we will need quotes from will be shut down for most of the next 2 weeks. Can the bid date be extended to allow them to give us prices?

A bid date extension will not be issued.

END OF ADDENDUM 4

LOXAHATCHEE RIVER DISTRICT

ITB #23-004-00126
County Line Road Reclaimed Water Main, Water Main and Raw Water Main Relocation

ADDENDUM ACKNOWLEDGEMENT FORM

The undersigned Bidder acknowledges receipt of Addenda as listed below:

Receipt of Addendum No. 1 Date_____

Receipt of Addendum No. 2 Date_____

Receipt of Addendum No. 3 Date_____

Receipt of Addendum No. 4 Date_____

Firm: _____

By: _____

Title: _____

Please include this completed Addendum Acknowledgement Form with your Qualification Submittal

3rd quartile or better for size 50-249, NAICS 237110, Water and sewer line and related structures construction. Bidder's DART must be less than or equal to benchmark.

Total Recordable Incident Rate (TRIR) **Benchmark 3.1**
(U.S. Bureau of Labor Statistics, Table 1. Incidence rates of nonfatal occupational injuries and illnesses by industry and case types, **2021, average or better for size 50-249, NAICS 237110, Nonresidential building construction). Bidder's TRIR must be less than or equal to benchmark.**

Fatalities: **0** Work related fatalities resulting in OSHA citations within the last three years, OR if 1 or more work related fatalities resulting in an OSHA citation exist within the last three years, the contractor must have mitigated risk of recurrence by implementing adequate industry standard safety procedures and training as determined by OSHA by providing such OSHA determination to the District.

Bidder shall submit a health, safety and environmental plan for Construction and General Industry. The health, safety and environmental plan must address the following minimum requirements:

Lockout/Tagout
Excavation Trenching and Shoring
Permit Required Confined Space
Injury Reporting/Investigation
Operator Qualifications
Hot Work
Personal Protective Equipment
Electrical Safety
Near Miss, Behavioral Based Safety
Qualified, Certified and Competent Employees

OSHA Inspection Detail review must show no Serious or Willful violations in the previous 36 months and no unresolved Failure to Abate Prior Violation in the previous 36 months and no active Failure to Abate Prior Violation.

Bidder shall submit with their Bid OSHA Form 300A completed for the year 2023, an Experience Modification Rating letter from its insurance carrier for the current period and a copy of its written health, safety and environmental program with training records for the previous 36 months.

25. **Previous Performance on District Projects:** The District has implemented a Contractor Evaluation Report in an effort to document contractor performance on District projects. Bidders who have received Unsatisfactory ratings on previous District projects must submit with their Bid a mitigation plan detailing previous unsatisfactory ratings and measures implemented to address the

9. The undersigned Bidder agrees to provide Unit Prices of major construction elements of the Work in order to better determine the value of progress payment, in a format as provided in Article 6 Forms for Use During Construction.

10. The undersigned Bidder hereby agrees that the Bidder will, at Bidder's expense, insure all persons employed by it in prosecuting the Work hereunder against accident as provided by the Workers' Compensation Law of the State of Florida.

11. The price for the Work shall be stated in both words and figures in the appropriate place in the proposal form. Discrepancies in the multiplication of units of Work and unit prices will be resolved in the favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in the favor of the correct sum. In the event that there is a discrepancy between the price in written words and the price written in figures, the former shall govern.

12. The undersigned Bidder acknowledges receipt of the addenda, if any, as listed herein and agrees that Bidder will be bound by all addenda whether or not listed herein.

Receipt of Addendum	No._____	Date _____
	No._____	Date _____
	No._____	Date _____
	No._____	Date _____

13. The following documents are attached to and made a condition of this Bid (initial each item in the space provided):

a. Initial_____. Instructions to Bidders, Proposal, Questionnaire, Sworn Statement Under Section 287.133(3)(a), Florida Statues, on Public Entity Crimes, Schedule of Bid Prices

b. Initial_____. Bid Security

c. Initial_____. Power of Attorney (for Surety Bond only)

d. Initial_____. Corporate Authority to execute Bid (any corporate employee other than president or vice president)

e. Initial_____. Copies of current valid license(s) issued in accordance with Florida Statutes and/or appropriate local ordinances is hereby acknowledged.

f. Initial_____. OSHA's Form 300A completed for the year 2023.

g. Initial_____. Experience Modification Rating letter (issued by insurance carrier) for the current period.

i. Location by station and elevation, width, depth and length of flowable fill used for all uses.
j. Supply all surveys of the project and or property.

2. Utility Pipelines - TO BE SHOWN ON ONE LAYER:

Utility Record Drawings shall conform with the requirements of the Owner. Records shall include locations (horizontal and vertical) of all pipelines, structures, fittings, valves, and appurtenances and all water/utility crossings (including sanitary laterals) for proposed mains in accordance with Owner and FDEP. Water main record drawings shall include at a minimum:

a. Pressure class and material of proposed pipe
b. Top of Pipe elevations and horizontal location every 100 feet
c. Locations and elevation of all fittings including bends, tees, gate valves, double detector check valves, fire hydrants, etc. All tie-ins to existing lines shall be as built
d. Water meter locations (with stations/offsets)
e. The ends of all proposed water service at the buildings or homes shall be as built or where the water service terminates
f. Limits of restrained joints on proposed and existing main
g. Locations of joint deflections
h. Thrust block locations and size
i. HDD as built, refer to Section 02320, 3.11(C.4)

3. Water/Sanitary/Storm Pipe Crossings and Separations - PART OF WATER, SANITARY, AND/OR STORM LAYER

a. Pipe types, sizes and material
b. Crossings: Top and bottom elevations of pipes crossing each other and the distance between the outside of the two lines
c. Separation: Distance between the OD of the two lines

4. Conflict Storm/Water/Sanitary Structures - PART OF EACH APPLICABLE LAYER:

a. Top and bottom of casing
b. All info asked for in storm or sanitary manhole descriptions with the addition of top of all pipes

Q. If the Contractor determines that a casing pipe is needed or is called out on the drawings, the HDPE pipe shall be fitted with spacers if required to center the pipe in the annulus between the steel casing pipe and the HDPE pressure pipe. The annulus space shall then be grout-filled at the surface end.

3.10 PIPE FUSION AND LAYOUT - HDPE

A. Join entire length of pipe to be pulled through bore prior to commencement of pullback operation. The joining method shall be the butt fusion method and shall be performed in strict accordance with the pipe manufacturer's recommendations. Butt fusion joining shall result in a joint weld strength equal to or greater than the tensile strength of the pipe. Socket fusion shall not be used.

B. Each operator performing fusion joining pipe shall be qualified in the use of the manufacturer's recommended fusion procedure(s) by appropriate training or experience in the use of the fusion procedure. A sample joint shall be fused according to the procedure that passes the following inspections and tests:

1. The joint shall be visually examined during and after joining and found to have the same appearance as a photograph or sample of an acceptable joint that was joined in accordance with the procedure.

2. The joint shall be tested or examined by one of the following methods:
   a. Pressure and tensile test as described in 49 CFR 192.283
   b. Ultrasonic inspection and found to be free of flaws that would cause failure
   c. Cut into at least three longitudinal straps, each of which is:
      1). Visually examined and found to be free of voids or unbonded areas on the cut surface of the joint
      2). Deformed by bending, torque, or impact and if failure occurs, it must not initiate in the joint area.

C. The contractor shall determine the location for laying out the joined fused pipe prior to pullback. Support weight of upland portions of the joined pipe on rollers and guideposts to minimize pullback forces and guide pipeline during pullback.

3.11 TESTING/AS BUILT OF HDD

A. After completion of the joint fusing and before the pipe pullback, the pipe shall be pressure tested in accordance with Section 02670.

B. Pullback pipe completely with locate/tracer wire per specs.

C. After completion of the HDD installation:

1. Flush and test the pipe in accordance with Section 02670.

2. Payment of pipe sections will only be provided for installed and successfully tested pipe.

3. If the pipe does not pass the pressure test after installation, if feasible remove the entire pipe from the bore hole, repair the pipe, and perform pressure testing prior to reinstalling the pipe and again after reinstallation. If it is not feasible to remove the pipe without exceeding the manufacturer's maximum allowable tensile stress for the pipe, the Contractor shall repeat the installation with another pipe along a similar route approved by the Owner, which meets the requirements of the original design at no additional cost to the Owner.

4. After placement of the HDD pipe, the Contractor shall utilize a magnetic locating system utilizing a DC or AC current and surveyed loop to as built the final directional bore installation location in place. The surface loop shall be surveyed in by a Florida Licensed Professional Land Surveyor and georeferenced to State Plane Coordinates in NAD83, Florida East Zone and vertical datum NGVD 29.

3.12 MECHANICAL JOINT ADAPTOR CONNECTIONS

A. See Sections 02660.

3.13 RESTORATION OF PAVED, IMPROVED AND UNIMPROVED AREAS

A. The shoulders, ditches, banks and slopes of roads crossed and paralleled shall be restored to their former condition and properly sodded so that they shall not wash out before becoming consolidated. Restoration shall be as required by the jurisdictional authority and as specified within the Contract Document. Road and crossings and parallel installations are to be continuously maintained until the completion of the work. No direct compensation shall be paid for Contractor's repair or maintenance of crossings and parallel installations.

B. Within 14 days after completion of the directional drilling operations, the staging area shall be returned to its original condition. Paved surfaces shall be repaired and unpaved surfaces areas shall be restored.

END OF SECTION

BID FORM
LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
COUNTY LINE ROAD
RECLAIMED WATER MAIN, WATERMAIN AND RAW WATER MAIN RELOCATION
UNIT PRICE SCHEDULE

Item No.	Description	Est.Qty	Unit	Unit Price	Total Price
A.	**General Conditions**				
1	Bonds and Insurance	1	LS	$	$
2	Mobilization /Demobilization	1	LS	$	$
3	Maintenance of Traffic	1	LS	$	$
				Subtotal, Item A General Conditions	**$**
I. LRECD Reclaimed Water Main Replacement					
B.	**Reclaimed Water Main Replacement**				
1	C-900 PVC				
a.	12-inch	110	LF	$	$
b.	16-inch	10	LF	$	$
2	Gate Valves w/ Valve Box				
a.	12-inch	2	EA	$	$
3	Line Stop				
a.	12-inch	2	EA	$	$
4	D.I. Fittings	1,500	LB	$	$
5	Directional Bore				
a.	16-inch HDPE DR11 w/ 2-ft 2-inch Conduits	900	LF	$	$
b.	16-inch HDPE x MJ Adapter	2	EA	$	$
6	ARV Assembly	1	EA	$	$
7	Connection to Existing Main				
a.	12-inch Tie-In	2	EA	$	$

8	Misc. Items				
a.	Remove Existing 12-inch Main Off Bridge	1	JOB	LS	
b.	Grout and Cap Existing 12-inch Main In Place	730	LF	$	$
c.	Water Crossing Sign	2	EA	$	$
d.	Mech. Restraints on Exist. Main	1	JOB	LS	
Subtotal, Item I.B Reclaimed Water Main Replacement					
II. Village of Tequesta Water Main and Raw Water Main Replacement					
C.	**Water Main Replacement**				
1	C-900 PVC				
a.	6-inch	5	LF	$	$
b.	8-inch	150	LF	$	$
c.	10-inch	10	LF	$	$
2	DIP				
a.	6-inch	30	LF	$	$
3	Gate Valves w/ Valve Box				
a.	6-inch	2	EA	$	$
b.	8-inch	2	EA	$	$
4	Line Stop				
a.	Dual 8-inch Line Stop w/ Bypass, E-side of Bridge	1	JOB	LS	$
b.	8-inch Line Stop, Heritage Oaks Easement	1	JOB	LS	$
5	D.I. Fittings	2,400	LB	$	$
6	Off-Site ARV Assembly	2	EA	$	$
7	Connection to Existing Main				
a.	8-inch Tie-In	2	EA	$	$
8	Sample Points	2	EA	$	$

9	Fire Hydrant Assembly	2	EA	$	$
10	Misc. Items				
a.	Remove Existing 8-inch Main Off Bridge	1	JOB	LS	$
b.	Grout and Cap Exist. 8-inch Main In Place	750	LF	$	$
c.	Mech. Restraints on Exist. Main	1	JOB	LS	$
d.	8-inch Gate Valve Manhole	1	JOB	LS	$
Subtotal, Item II.C Water Main and Raw Water Main Replacement					
D.	**Raw Water Main Replacement**				
1	C-900 PVC				
b.	12-inch	230	LF	$	$
2	Gate Valves w/ Valve Box				
b.	12-inch	1	EA	$	$
3	Line Stop				
b.	12-inch	2	EA	$	$
4	D.I. Fittings	900	LB	$	$
5	Offset ARV Assembly	2	EA	$	$
6	Connection to Existing				
a.	12-inch Tie-In	2	EA	$	$
7	Sample Points	2	EA	$	$
8	Misc. Items				
a.	Remove Existing 12-inch Main	1	JOB	LS	$
b.	Grout and Cap Existing 12-inch Main In Place	1,060	LF	$	$
c.	Mech. Restraints on Exist. Main	1	JOB	LS	$
d.	12-inch Gate Valve Manhole	1	JOB	LS	$

				Subtotal, Item II.D Raw Water Main Replacement	
E.	**Raw Water Main & Water Main HDD**				
1	Directional Bore				
a.	12-inch HDPE DR11 RWM w/ 10-inch HDPE DR11 WM w/ 2-2 inch Conduits	1,200	LF	$	$
b.	10-inch HDPE DR11 WM w/ 1-2 inch Conduit	200	LF	$	$
c.	12-inch HDPE x MJ Adapter	2	EA	$	$
d.	10-inch HDPE x MJ Adapter	4	EA	$	$
				Subtotal, Item II.E Raw Water Main & Water Main HDD	**$**
				Subtotal, II. Village of Tequesta Water Main and Raw Water Main Replacement	**$**
F.	**Misc. Restoration**				
a.	Asphalt Road Trench Restoration	280	SY	$	$
b.	1-inch Mill and Resurface w/ SP 9.5	1180	SY	$	$
c.	Thermo-plastic road striping	1	JOB	LS	$
d.	5-ft Wide Concrete Sidewalk Replacement	220	SY	$	$
e.	Bahia Sod	750	SY	$	$
f.	Floratam Sod	1,200	SY	$	$
				Subtotal, Item F Misc. Restoration	**$**
				Total (Items A, B, C, D, E and F)	$
				GRAND TOTAL	**$**

TOTAL BASE BID, ITEMS 1-_____ (in words) _____
Dollars

_____
Cents

shall be made for the length of valves and fittings installed in the line. Where the measurement terminates at a valve, bend, tee or other fittings, the centerline of the valve or fitting shall be the point of termination.

Payment shall be made at the Contract unit price per lineal foot and shall include, but not be limited to, furnishing all materials, labor, and equipment required to install the PVC watermain piping, including layout, trench safety, permits, excavation of any type material including rock, disposal of unsuitable materials, providing suitable bedding material, backfill, compaction, density testing, grading, dewatering, cleaning, temporary pipe pigging/cannon flushing of the main and all other testing (with any temporary fittings/valves required), along with the preparation of record drawings shall be included in the cost of the pipe for a complete and functional system. The cost to adjust other utilities (electric, cable, telephone, etc.) if required, and the coordination with that utility, shall also be included in the pipe cost.

2. DIP WATERMAIN (a. 6-inch): Pipe will be measured per linear foot along the centerline of the pipe installed for the size of pipe installed. No deduction will be made for the length of valves and fittings installed in the line. Where the measurement terminates at a valve, bend, tee or other fittings, the centerline of the valve or fitting shall be the point of termination. All dewatering, surveying, density testing, pigging of the main and all other testing (with any temporary fittings/valves/piping/pumps required), along with the preparation of record drawings shall be included in the unit cost of the pipe. The cost to adjust other utilities (electric, cable, telephone, etc.) if required, and the coordination with that utility, shall also be included in the pipe cost.

3. GATE VALVES W/ VALVE BOX (a. 6-inch and b. 8-inch): The quantity to be paid for under this Section shall be per unit as shown on the drawings, complete and accepted.

   Payment shall be made at the Contract unit price and shall include, but not be limited to, furnishing all materials, labor and equipment required to install each type and size of the gate valves required, including the valve box or collar, as noted, for a complete and functional system.

4. LINE STOP

   a. DUAL 8-INCH LINE STOP W/ BYPASS, E-SIDE OF BRIDGE: The quantity to be paid for under this Section shall be per unit as shown on the drawings, complete and accepted.

      Payment shall be made at the Contract unit price and shall include, but not be limited to, furnishing all materials, labor and equipment required to install each line stop required for a complete and functional system, with bypass main. The

line stops require a temporary 8" HDPE bypass that will be required to be pressure tested and bacteriologically cleared (2- day test is required) prior to activating the line stop.

b. 8-INCH LINE STOP, HERITAGE OAKS EASEMENT: The quantity to be paid for under this Section shall be per unit as shown on the drawings, complete and accepted.

Payment shall be made at the Contract unit price and shall include, but not be limited to, furnishing all materials, labor and equipment required to install each line stop required for a complete and functional system, with bypass main. The line stops require a temporary 8" HDPE bypass that will be required to be pressure tested and bacteriologically cleared (2- day test is required) prior to activating the line stop.

5. D.I. FITTINGS: The quantity to be paid for under this Section shall be at the Contract unit price per installed pound of fittings. Fittings installed by the Contractor to suit his schedule, realignment of the main or availability of materials shall not be paid for unless approved by the Engineer in writing.

   Payment shall be made at the Contract unit price per pound of fittings installed and shall include, but not be limited to, furnishing all materials, labor, and equipment required to install the fittings, including joint restraint, layout, and any other items required for a complete and functional system. The use of mechanical restraints (megalugs, bell restraints, tie rods, etc.) shall be included in the unit price of the DI fittings.

6. OFF-SET ARV ASSEMBLY: The quantity to be paid for under this Section shall be per unit as shown on the drawings, complete and accepted.

   Payment shall be made at the Contract unit price and shall include, but not be limited to, furnishing all materials, labor and equipment required to install each type and size of the air release valves required, including the valve box and piping, as noted, for a complete and functional system.

7. CONNECTION TO EXISTING MAIN

   a. 8-INCH TIE IN: The quantity to be paid for under this Section shall be per each connection completed and accepted.

      Payment shall be made at the Contract unit price per connection and shall include but not be limited to, furnishing all labor and equipment required to perform the connection to the existing main including soft dig locates and