Loxahatchee River District

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

Addendum Number 2

(w/Bid Clarifications)

December 19, 2024

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 ONE (1) page and the following attachments;

- *Section 01720, Page 01720-4 (1-Page)*
- *Section 02320, Page 02320 - 13 &14 (2-Pages)*

1. Section 01720, Record Documents

   DELETE Page 01720-4 and INSERT the revised Page 4 attached.

   Note, ADDED Paragraph 2.i

2. Section 02320, Directional Boring of Pipe

   DELETE Page 02320-13 & 14 and INSERT the revised Pages 13 & 14 attached. Note,

   ADDED new name to Paragraph 3.11 and Paragraph 3.11.C.4

END OF ADDENDUM 2

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_____

Firm: _____

By: _____

Title: _____

Please include this completed Addendum Acknowledgement Form with your Qualification Submittal.

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_EJQelines - 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. HOD 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 HOPE pipe shall be fitted with spacers if required to center the pipe in the annulus between the steel casing pipe and the HOPE 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 HOD 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, iffeasible 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 HOD 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