

CONTRACT DOCUMENTS, SPECIFICATIONS
AND
CONTRACT DRAWINGS
FOR
ST. JOHN THE BAPTIST PARISH
W. 13TH, W. 8TH, & E. 13TH
LIFT STATION REHABILITATION

ADDENDUM NO. 3

DATE ISSUED: October 24, 2025

BID DATE: 9:45 a.m. on Wednesday, November 5, 2025

BID LOCATION: 1811 West Airline Highway
LaPlace, LA 70068

This addendum shall be part of the Contract Documents as provided in the Instructions to Bidders.

The following items are issued to add to, modify, and clarify the Contract Documents. These items shall have full force and effect as the Contract Documents, and the cost involved shall be included in the bid prices.

Acknowledge receipt of the addendum by inserting its number on the Bid Form of the Bid Documents. Failure to do so may subject the bidder to rejection.

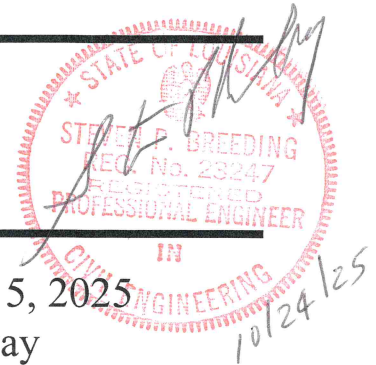
This Addendum No. 3 consists of 6 pages including the title sheet and all attachments.

The Bid Date has been revised to submit bids by 9:45 a.m. on Wednesday, November 5, 2025, to be opened at 10:00.

Plans – No changes

Specifications – Add enclosed Section 15100 – Valves and Appurtenances.

Induron Protective Coatings – Protecto 401 Ceramic Epoxy is an approved ductile iron pipe and fitting lining for this project.



SECTION 15100

VALVES AND APPURTENANCES

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. Furnish all labor, materials, equipment and incidentals required to install, complete and ready for operation, all valves and appurtenances as shown on the drawings and as specified herein.
- B. The equipment shall include, but not be limited to, the following:
 - 1. Pressure Gauges
 - 2. Quick Connect Couplings
 - 3. Air Release Valves
 - 4. Plug Valves
 - 5. Gate Valves
 - 6. Check Valves

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Excavation and backfill for pipe is included in Section 02221.

1.03 DESCRIPTION OF SYSTEMS

All of the equipment and materials specified herein are intended to be standard for use in controlling the flow of wastewater.

1.04 QUALIFICATIONS

All of the types of valves and appurtenances shall be products of well established reputable firms who are fully experienced, reputable and qualified in the manufacture of the particular equipment to be furnished. The equipment shall be designed, constructed and installed in accordance with standard practices and methods and shall comply with these specifications as applicable.

1.05 SUBMITTALS

- A. Submit to the Engineer, within 30 days after execution of the contract, a list of materials to be furnished, the names of the suppliers and the date of delivery of materials to the site.
- B. Complete shop drawings of all valves and appurtenances shall be submitted to the Engineer for approval in accordance with the requirements of Section 01300 and the General Conditions.

1.06 TOOLS

Special tools, if required for normal operation and maintenance, shall be supplied with the equipment.

PART 2 - PRODUCTS

2.01 MATERIALS AND EQUIPMENT

A. Valves:

1. Gate Valves

- a. Gate valves shall be double disc parallel seat, iron body, bronze mounted, side wedge type. They shall comply with AWWA C500 as latest revised.
- b. Gate valves shall be rated at 200 psi water working pressure with 400 psi hydrostatic test for structural soundness for 2" through 12" and 150 psi water working pressure with 300 psi hydrostatic test for structural soundness in 20" size. Testing shall be conducted in accordance with AWWA C500.
- c. End connections shall be in accordance with ANSI B 16.1 125# flange drilling and mechanical joints per AWWA C111 without accessories.
- d. All ductile iron shall comply with ASTM A536 Gr. 65-45-12. Castings shall be clean and sound without defects. No plugging or welding of defects will be allowed.
- e. Stems shall be manganese bronze having a minimum tensile strength of 60,000 psi and a minimum yield of 20,000 psi for 20" valve.
- f. Bolts shall be electrozinc plated steel with ex heads and hex nuts in accordance with ASTM A307 and ASTM A563 respectively.
- g. Gate valves shall be non-rising stem (NRS) meeting requirements of AWWA C500. Valves shall be furnished o-ring stem seals using 2 o-rings set in the seal plate.
- h. Discs for valve sizes 2" through 4" shall be bronze; for sizes 6" and larger, they shall be cast iron bronze faced. Bronze facing shall be machine after insertion into disc face. Disc spreaders for valves 2" through 8" shall be bronze. Disc spreaders for valves 10" through 20" shall be cast iron with bronze faced. Spreaders shall actuate from stem nut independent from valve body.
- i. Direction to open shall be counter-clockwise unless otherwise specified.
- j. The inside and outside of all valves, together with all working parts except bronze and machined faces, shall be coated in accordance with AWWA standards.
- k. Marking shall be in accordance with AWWA C500 standards, to include name of manufacturer, year of manufacture, maximum working pressure and size of valve.
- l. Valves must be of domestic United States of America.

2. Eccentric Plug Valves
 - a. Plug valves shall be solid one piece, cast of ASTM A536 ductile iron. The plug shall have a cylindrical seating surface eccentrically offset from the center of the shaft. Plug shall not contact the seat prior to 90% closed. Plug facing shall be Chloroprene (CR), or other resilient facing suitable for the application.
 - b. Plugs shall be solid one piece, cast of ASTM A536 ductile iron. The plug shall have a cylindrical seating surface eccentrically offset from the center of the shaft. Plug shall not contact the seat prior to 90% closed. Plug facing shall be Chloroprene (CR), or other resilient facing suitable for the application.
 - c. Seats shall be 1/8" thick welded overlay of not less than 95% pure nickel. Seat shall be at least 1/2" wide and raised. The raised surface shall be completely covered with nickel to insure that the resilient plug face contacts only the nickel seat.
 - d. Adjustable Packing shall be of the multiple V-ring type, with a packing gland follower. Shaft seals shall permit inspection, adjustment or complete replacement of packing without disturbing any part of the valve or actuator assembly except the packing gland follower.
 - e. Eccentric plug valves shall be 100% ported.
 - f. Eccentric plug valves and actuators shall meet or exceed the latest revisions of AWWA C517 and other applicable standards. Flanged ends shall be per ANSI B16.1 and mechanical joint ends per AWWA C111.
3. Check Valves
 - a. General: Swing check valves for water, sewage, sludge, and general service shall be of the outside lever and spring or weight type, in accordance with AWWA C 508 - Swing-Check Valves for Waterworks Service, 2-in. through 24-in. NPS, unless otherwise indicated, with full-opening passages, designed for a water-working pressure of 150 psi. They shall have a flanged cover piece to provide access to the disc.
 - b. Body: The valve body and cover shall be of cast iron conforming to ASTM A 126 - Gray Iron Castings for Valves, Flanges, and Pipe Fittings, with flanged ends conforming to ASME B 16.1 - Cast Iron Pipe Flanges and Flanged Fittings, Class 25, 125, 250, and 800, or mechanical joint ends, as indicated.
 - c. Disc: The valve disc shall be of cast iron, ductile iron, or bronze conforming to ASTM B 584 - Copper Alloy Sand Castings for General Applications.
 - d. Seat and Rings: The valve seat and rings shall be of bronze conforming to ASTM B 584 or B 148 - Aluminum-Bronze Castings, or of Buna-N.
 - e. Hinge Pin: The hinge pin shall be of bronze or stainless steel.
 - f. Shop coat finish shall comply with Section 09800 of these specifications.
 - g. The valve shall be suitable for direct burial and shall have flanged or mechanical joint ends. Valves must be of domestic United States of America.

4. Actuators

- a. Worm gear actuators shall be provided on all valves six inches and larger. Actuators shall be enclosed in a cast iron housing, with outboard seals to protect the bearings and other internal components. The actuator shaft and gear quadrant shall be supported on permanently lubricated bronze bearings.
- b. Buried actuators shall be 90% grease filled. Input shaft and fasteners shall be stainless steel. Actuator mounting brackets shall be totally enclosed.

B. Pressure Gauges

1. Each pressure gauge shall be direct mounted, cast aluminum case, with a 4-1/2" diameter dial and furnished with a clear glass crystal window, 1/4" shut-off valve, and a bronze pressure snubber. Provide diaphragm seals between shut-off valve and pressure gauge on all lines. All gauges shall be weatherproofed. The face dial shall be white finished aluminum with jet black graduations and figures. The face dial shall indicate the units of pressure being measured (e.g., feet, inches, etc.) or be dual scale.

C. Quick Connect Couplings

1. Quick connect couplings shall consist of bronze female adapter with female threads complete with plug by same manufacturer. Coupling components shall be as manufactured by Ever-Tite Coupling Company, Inc., New York, New York, OPW Seal Fast Adapter as manufactured by OPW (Dover Corporation) or approved equal.

D. Air Release Valves

1. Sewage air and vacuum release valve to be short pattern design with an overall height not to exceed 19 inches and have a conical shape body with interior volume that prevents liquid contact with the air release mechanism. The body material shall be of corrosion resistant reinforced nylon or 316 stainless steel with 316 stainless steel body clamp to provide quick disassembly for cleaning or repair. Internal float to be constructed of foamed polypropylene with stainless steel shaft and fasteners.
2. The air release mechanism shall be a non shock type resilient roll seal that provides positive open and close operation with leak free sealing. The air release device with integral flush connection shall be constructed of corrosion resistant reinforced plastics. The air and vacuum release valve working pressure shall be rated to 145 psi and tested to 230 psi.
3. Valve shall be equipped with a 1/4" ball valve to drain valve body and back-flushing during maintenance.

4. The air release shall be the following A.R.I. models or approved equal:
 - a. Force Mains 4"-16" Dia.: D-025
 - b. Force Mains 18"-24" Dia.: D-023
 - c. Force Mains 30" or greater: D-026
 - d. Or as recommended by the manufacture

PART 3 - EXECUTION

3.01 INSTALLATION

- A. All valves and appurtenances shall be installed in the locations shown, true to alignment and rigidly supported. Any damage to the above items shall be repaired to the satisfaction of the Engineer before they are installed.
- B. After installation, all valves and appurtenances shall be tested at least one (1) hour at the working pressure corresponding to the class of pipe, unless a different test pressure is specified. If any joint proves to be defective, it shall be repaired to the satisfaction of the Engineer.

3.02 SHOP PAINTING

Ferrous surfaces of valves and appurtenances shall painted in accordance with Section 09800 unless specified elsewhere. All pipe connection openings shall be capped to prevent the entry of foreign matter prior to installation.

3.03 INSPECTION AND TESTING

Completed pipe shall be subjected to hydrostatic pressure test for four (4) hours at full working pressure. All leaks shall be repaired and lines retested as approved by the Engineer.

END OF SECTION