

ADDENDUM NO. 1  
CONTRACT 18-06 GIBSON COUNTY INDUSTRIAL PARK SEWER  
IMPROVEMENTS  
SDG – EDISON 12361  
FIDP – EDISON 59595  
HUMBOLDT, TENNESSEE  
WAUFORD PROJECT NO. 3639

Date of Addendum: Thursday, February 14, 2019  
Construction Bid Date: 10:00 AM Local Time, Wednesday, February 20, 2019

1. Bid Form

Clarification – Ductile Iron Fittings for the force main will be paid for by Item 6 on Bid Form B per pound unless included in another lump sum item.

2. Detailed Specifications, Sub-Section 5 “Installation of Force Main Pipelines by Horizontal Directional Drilling Methods”

Clarification – All fittings and accessories required to join the HDPE pipe and the PVC pipe shall be included in the horizontal directional drilling price.

3. Detailed Specifications, Sub-Section 6 “Site Preparation and Development, Piping and Valves – Gibson County Industrial Park Sewage Pumping Station”

The following paragraph shall be added to this Section:

**“21. Chain Link Fencing**

The Contractor shall provide a complete protection type fence as shown on the Plans. The fence shall be seven (7) feet high overall (6 feet fabric height), consisting of 9 gauge steel woven in 2-inch mesh with a 0.40 ounce aluminum coating per square foot of surface area as per the latest revision of ASTM A817 and three (3) strands of barbed wire on malleable iron post tops. Aluminized fabric shall be manufactured in accordance with the latest revision of ASTM 491.

Barbed wire shall consist of two (2) strands of 12 ½ gauge twisted galvanized steel wire with an 0.80 ounce zinc coating per square foot of wire surface area conforming to the latest revision of ASTM A121 with 12 ½ gauge galvanized steel point barbs, 5 inches apart.

Line posts shall be 2.5-inch, O.D. Schedule 40 steel pipe (3.65 lbs. per foot) with a 1.80 ounce zinc coating per square foot of surface area

conforming to the latest revision of ASTM F1083, Type I steel pipe. End, corner, and gate posts for gates 6 feet wide or less shall be 3-inch O.D. Schedule 40 steel piping (5.79 lbs.) per foot.

For the 16'-0" double gate, posts shall be 4-inch O.D. Schedule 40 steel piping (9.11 lbs. per foot). Top rails for fencing and gates shall be 1-5/8-inch O.D. Schedule 40 steel piping (2.27 lbs. per foot) with extra-long pressed steel sleeves. Terminal, corner, and gate posts shall have the necessary strut and tie bracing. The double gate shall be equipped with heavy duty latch, gate stops and holders.

Posts shall be set at not more than 10 feet apart full three (3) feet deep in concrete footing POURED THE FULL SIZE of holes as excavated. Post holes shall be a minimum of 6 inches larger than the diameter of the post in earth and at least 3 inches larger than the diameter of the pipe in rock. Corner and gate posts shall be set 3'-6" deep.

Gate frames shall be of 2-inch O.D. (2.27 lbs. per foot) steel pipe with welded corners with 1-5/8-inch internal bracing galvanized after welding. All galvanized steel pipe and specials shall meet or exceed the requirements of the latest revision of ASTM A123. Special provisions shall be taken to prevent the entrance of stock or children where the fence crosses ditches or other areas which leave space. The bottom selvage shall be two inches above the ground."

4. Detailed Specifications, Sub-Section 7A "Gibson County Industrial Park Sewage Pumping Station and Appurtenances"

The following shall be changed;

- Paragraph 2. b. – Page DS 7A-3, "Fiberglass Reinforced Plastic Enclosures and Ventilation"
  - First sentence of last paragraph shall be replaced with the following: **"A shuttered exhaust fan shall be sized to adequately protect the variable frequency drives from overheating and have a minimum capacity of 1,600 cfm."**
- Paragraph 2.g. – Page DS 7A-9, "Variable Frequency Drives (Two Required)"
  - **Allen-Bradley – PowerFlex 753 is an acceptable variable frequency drive.**

- Paragraph 10.a. – Page DS 7A-15, “Pump Automatic Control System”
  - **KPSI is an acceptable manufacturer of the submersible pressure transducer.**
  
- Paragraph 23. – Page DS 7A-21, “Painting”
  - **The pump station manufacturer can use their standard painting system as described below. Exposed surfaces shall be applied with one coat of Tnemec Series 69 Polyimide Epoxy Primer and one finish coat of Series 73 Aliphatic Acrylic Polyurethane for a total dry film thickness of 4-6 mils. Finish coat shall be semi-gloss white for optimum illumination and enhancement. The coating shall be corrosion, moisture, oil, and solvent resistant when completely dry.**



J. R. WAUFORD & COMPANY,  
CONSULTING ENGINEERS, INC.

A handwritten signature in blue ink, appearing to read "W. Scott Daniel", written over a horizontal line.

W. Scott Daniel, P.E.  
Tennessee License No. 104425