

ADDENDUM NO. 3
WATER SYSTEM IMPROVEMENTS
CONTRACT 16-03
SNELL BRANCH SEWAGE PUMPING STATION RENOVATION
LEWISBURG, TENNESSEE
WAUFORD PROJECT NO. 1942

Date of Addendum: Friday, October 27, 2017
Bid Opening: Tuesday, October 31, 2017, 2:00 P.M. Local Time

1. Detailed Specifications, Sub-Section 6A, Vertical Non-Clog Wastewater Pumps, Immersible Motors, Variable Frequency Drives, and Accessories, Sub-paragraph c. Pump Automatic Control System, Item (6) System Specifications, Page DS 6A-20:

Revise paragraph (a) General as follows:

“(a) General

The control system shall consist of the following:

- One (1) Raw Wastewater Pumping Station PLC Control Panel and Accessories
- Two (2) Submersible Level Transducers
- Two (2) Float Switches
- One (1) Room Temperature Transmitter
- **One (1) Intrusion Alarm**

The control panel shall monitor wetwell level via submersible level transducer which shall be furnished by the Control System Vendor and installed by the Contractor and provide automatic variable frequency control for four motors via VFDs in a pump down mode of control. The control panel shall indicate wetwell level, provide alarm and control setpoints, annunciate station alarms and indicate station status as herein specified. All parameters shall be viewable and configurable from the front of the panel. The unit shall include a PLC based pump control and sequencing as herein described. The control panel unit shall also provide for communications with a telemetry panel furnished and installed by others.

The level signal received from the wetwell level submersible transducer shall be converted to a "feet and tenths" digital display. Setpoints shall be provided for differential level-type automatic pump operation as well as automatic alternation and manual sequence selection or timing, variable speed pump/drive ramp control logic and alarm performance as herein described.

The level signal received from the Parshall Flume submersible level transducer shall be converted to flow in gallons per minute and displayed on the OIT.

A wall-mounted room temperature transmitter shall be provided and mounted in the drywell. The transmitter shall be wall-mounted, contain a self-enclosed thin film platinum sensor, and loop-powered 4-20 mA transmitter ranged to accurately transmit room temperature from 20°F to 120°F. Unit accuracy shall be 0.2% of span range. The room temperature transmitter shall be Kele Model ST-191E-EMC-XR1 or approved equal.

A door intrusion alarm shall be installed as shown on the Plans and shall include a limit switch, adjustable stainless steel lever operator, aluminum housing equal to Part Number ABM6E52Z11 by Automation Direct."

2. Plans, Sheet 3:

Add the following construction note to this sheet:

- "8. The 8-inch and 12-inch fabricated offset pipes may be fabricated of ductile iron pipe as specified or Schedule 40 316 stainless steel."

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



J. Gregory Davenport, P.E.
Tennessee License No. 104881