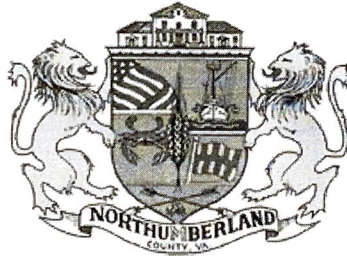


**ADDENDUM No. 2
for the
Reedville Callao Wastewater
Treatment Plant Improvements Project**

**Prepared For
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Addendum Date: June 7, 2021

This Addendum No. 1, dated June 7, 2021 amends or supplements the Contract Documents titled Reedville Callao Wastewater Treatment Plant Improvements Project dated April 9, 2021 as indicated below.

Changes to Drawings:

Item 1. Reedville Drawing D-104, add the following General Note: “General Note E: Aluminum handrails and toe plates shall be furnished and installed as required by osha general industry standards for the perimeter walkway round the SBR/Sludge Structure to include the three (3) interconnecting walkways.”

Item 2: Reedville Drawing D-003 Note D(a): Delete Note D(a) in its entirety and replace with the following “Each PD blower shall be Atlas Copco model ZL2 37 J 700Y60 in a piggyback configuration and shall have a 50 hp premium efficiency motor. The Blower shall delivery at least 640 scfm at the project site (30 ft msl) under 100 f and 100% rh conditions with a discharge pressure of 10.5 psi and a maximum rpm of 3,560. Belt and pulley system shall be set up to achieve a constant 3,560 rpm blower speed. Each blower shall be a part of a package system that is controlled by a manufacturer supplied stainless steel nema 4x control panel. The control panel shall include a reduced voltage motor starter and shall at minimum provide the following I/O for hard wiring to the SBR control panel (SBR CP): Remote start/stop; status indication; general alarm relay.”

Item 3: Reedville Drawing D-101, the fine screen raised platform dimensions are shown to be 13’ by 12.5’. Change the “12.5 ft” dimension to “17.5 ft”.

Item 4: Callao Drawing D-002, insert the following note after the last note: “S. Sludge Thickening Equipment. Sludge thickening equipment shall be a skid mounted gravity belt thickening system manufactured by the same supplier that is providing the Reedville Belt Filter Press system. The basis of design is a 0.5 meter OR-TEC Mark II gravity belt thickener. Elements of the gravity belt thickening system include: a complete skid mounted system, stainless steel 0.5-meter gravity belt thickener, flocculation tank, flocculation mixer, complete polymer system (activation, pumping, dilution water control and injection ring/static mixer), progressing cavity thickened sludge transfer pump with run dry protection, wash water pump, and necessary control instruments to achieve a complete sludge thickening system operated by a single pre-wired Control Panel mounted on the skid system. The flow meter and polymer system shown on D-103 shall be included on the gravity belt skid system as part of the sludge thickening package. Wasted activated sludge will be pumped to the gravity belt package system via an existing submersible pump, the gravity belt system control panel shall start and stop this existing pump. Flow rate of gravity belt feed will be manually adjustable via a new diaphragm valve shown on D-103 and also included on the gravity belt skid system. In accordance with note 26 on E-001 all PLCs on this project shall be Allen Bradley Compactlogix type for compatibility.”

Changes to Specifications:

None.

Questions & Responses:

Question 1: Callao Drawing S-101 Detail 4 and Reedville Drawing S-101 Detail 3 both state the metal buildings and attachments are by others. Please clarify if the Metal Buildings are to be furnished and installed by the contractor as part of this project/bid.

Response 1: The reference to “others” in both instances is a typographical error. As part of this project/bid, the Contractor is responsible for furnishing and installing all metal buildings as shown on the drawings and as specified in Section 131200.

Question 2: Reedville Drawing D-105 makes reference to an FRP building but reference note 26 calls out a metal building specification, please clarify.

Response 2: The reference to FRP is a typographical error, all pre-engineered buildings for this project are to be metal pursuant to specification 131200.

Question 3: Please confirm if the new plant effluent pump station valve vault layout should match the SBR pump station detail shown on D-102 with pipe sizes as appropriate for each case.

Response 3: Yes.

Question 4: Please confirm that the valve vaults for the SBR pump station, effluent pump station and SBR meter vault do not require a base slab.

Response 4: Correct, the valve vaults are to have an 18” gravel base per the detail on D-102.

Question 5: Are handrails and toe plates required for the top of the SBR tanks?

Response 5: Yes, see above “Changes to Drawings, Item 1”.

Question 6: Is the control panel required for Callao and Reedville screens to supply power for contractor-supplied heat trace? If yes, what are the wattage and voltage requirements??

Response 6: Yes, two (2) 20-amp circuits for Reedville and one (1) 20-amp circuit for Callao.

Question 7: What is providing the start signal to the drum screen control panel? The drum screen requires a signal from either the plant SCADA or influent pump so that it starts when flow is presented to it and stops when there is no flow.

Response 7: Reedville Drawing E-102 shows an analog signal from the new influent flow meter to the Fine Screen Control Panel which will provide flow information. Also, Reedville Drawing E-102 shows an analog signal from a level element within the screen and supplied by the screening supplier that goes to the Fine Screen Control Panel that

will also provide the presence of flow information. Callao Drawing E-102 and D-601 shows an analog signal from a level element within the screen and supplied by the screening supplier that goes to the Fine Screen Control Panel that will provide the presence of flow information required to start screen.

Question 8: Reedville drawing D-001 indicates an analog connection for a contractor supplied flow meter is required in the fine screen control panel. What is the purpose of this input?

Response 8: The purpose of the flow meter signal being routed to the Fine Screen Control Panel is twofold: (1) To provide the presence of flow information to start/control screen; and (2) by routing the flow meter analog signal to the PLC within the Fine Screen Control Panel, I/O points will be provided for plant SCADA as indicated on D-601 that requires each Fine Screen PLC to have 3 digital outputs and 2 analog outputs.

Question 9: A level transducer is shown on sheet Callao and Reedville drawings D-601, what are they for ?

Response 9: The screen manufacturer is required to provide a level element within each screen to measure, record and transmit the upstream water level of the screen. See additional information provided in Questions/responses 7 and 8.

Question 10: There are conflicting requirements for the control panel. The spec for the fine screen control panel on sheet D-001 does not mention a PLC. However, a PLC is shown in drawing E-602. What is required?

Response 10: A PLC is required for each Fine Screen Panel (Reedville and Callao) to accommodate the I/O shown on D-601.

Question 11: Are starters and controls required for each drum screen control panel for the water booster pump (supplied by others)?

Response 11: Yes, the screen supplier shall provide starters and control in each fine screen control panel (Reedville and Callao) such that if a booster pump is required in the future in either application that starters and controls will already be installed.

Question 12: For the Reedville and Callao Fine Screens, should the overflow be internally directed within the screen to the normal effluent pipe?

Response 12: Yes.

Attachments

None.

END OF ADDENDUM NO. 2