To: All Plan Holders of Record

From: Verdantas LLC
For the Owner

Re: ***Addendum No. 1***
Title Cheshire Road Lift Station Upgrades
City of Sunbury

Date: March 7, 2025

This Addendum forms a part of the contract documents and modifies the original bidding documents dated March, 2025 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

SPECIFICATIONS

Replace - In Specification Section 262923, replace pg. 11 with the enclosed pg. 11A and in Specification Section 331443, replace pg. 3 with the enclosed pg. 3A.

DB/MA:br

Enclosures

H:\2022\22000715\SPEC\Cheshire Lift Station Upgrades Project\Addendum\Addendum 01.Doc

c. Contact Outputs: Contact outputs shall include separate dry contacts for remote indication of motor run, seal water alarm for equipment with seal water systems, each shutdown condition, and controller faults.
d. Speed Output: Speed output shall include 4–20 mADC signal for remote indication of motor speed.

E. Wiring and Device Identification:

1. Provide control wiring and device identification for each variable frequency drive:

a. Identify all control conductors with permanent type wire markers. Each wire shall be identified by a unique number and shall be attached to wire at each termination point.
b. Identify each control device with permanent type marker. Each device shall be identified by a unique number and shall be attached to each device.
c. Numbering system for each wire and control device shall be identified on wiring diagrams and shall reflect actual designations used in the Work.

2.7 SOURCE QUALITY CONTROL

A. Tests:

1. Perform factory tests on each variable frequency drive prior to shipping. Test shall consist of simulating expected load to be driven by operating load through speed ranges specified for driven equipment, for minimum of two hours per drive unit.
2. Provide factory control and alarm tests on each drive unit by simulating each control signal and each alarm function to verify proper and correct drive unit action.
3. Perform specified tests in addition to standard factory tests typically performed.

PART 3 - EXECUTION

3.1 INSPECTION

A. Examine conditions under which the Work will be installed and notify ENGINEER in writing of conditions detrimental to proper and timely completion of the Work. Do not proceed with the Work until unsatisfactory conditions are corrected.

1.5 WARRANTY

A. The manufacturer shall provide a warranty on any defective pump station part(s) and labor to replace defective parts for a period of Five years after date of manufacture. The pumps shall be warranted for a period of Five (5) years. The owner will return any equipment found to be defective to the manufacturer for inspection & validation of the defect. Defective equipment will be repaired or replaced & shipped back to customer at no charge.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable pump station manufacturer(s) are:
   1. BL Anderson, PH # 614-601-0051
      kjamison@blanderson.com
   2. Excel Fluid Group, LLC, PH # 216-854-4277
      derek.wootten@excelfluidgroup.com
   3. Or Engineer pre-approved equal.

2.2 PUMP STATION

A. Guide Rail Assembly:
   1. Two (2) Cast Iron Base Elbow Stationary Fittings, Bolted to Wet Well Floor with Stainless Steel Studs with 4” Diameter Flanged Base Elbow Fittings.
   2. Two (2) Cast Iron Upper Guide Rail Brackets, Mounted on Wet Well Access Cover Frame.
   3. Four (4) 304 Stainless Steel Guide Pipes
   4. Two (2) Cast Iron Moveable Fittings, mounted on Pump Discharges, allowing Pumps to be removed without entering wet well.
   5. Two (2) 316 Stainless Steel Lifting Chains, attached to each Pump Lifting Handle.
   6. Include Intermediate Guide Rail Brackets if wet well depths are greater than 20’ deep.

B. Submersible Pumps:
   1. Required Pump Models:
      a. Two (2) Barnes Explosion-Proof Submersible Envie Sithe Sewage Chopper Pumps, 40 HP, 480 V, 3-Phase Electrical Motor with Cooling Jacket, Model 4XESCDI400N4.
      b. Two (2) Flygt Explosion-Proof Submersible N-Series Pumps, 35 HP, 480 V, 3-Phase Electrical Motor with Cooling Jacket, Model NP3171.095
      c. Engineer’s pre-approved equal.
   2. The motor will be capable of operating continuously when fully submerged, partially submerged, or unsubmerged. The pumps shall be driven by a Premium Efficient/ IE3 motor capable of operating in a 40°C/104° F environment and handling liquids with temperatures to 40°C/104° F continuously.
   3. Two (2) 50’ long Pre-Wired Power and Sensor Cords with Plugs to Connect to the Junction Box