



BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION

September 28, 2020

**PROJECT: INVITATION FOR BID NO. 21-006 – PUMP STATION 4059
IMPROVEMENT PLANS**

ADDENDUM: One (1)

DUE DATE: Tuesday, October 6, 2020 12:00PM, NOON

**THIS ADDENDUM IS FOR THE PURPOSE OF ANSWERING THE FOLLOWING
QUESTIONS:**

1) QUESTION: Is the movement of the GA Power pole the responsibility of the contractor?

ANSWER: Yes, it will be the responsibility of the selected contractor to move the GA Power pole and install a new meter socket.

2) QUESTION: Will there be Right of Way permits needed and who is responsible for obtaining any RoW permits?

ANSWER: Yes, a Right of Way permit is necessary for this site, and it is the responsibility of the contractor to obtain permitting. Please contact Chuck Flowers with Glynn County:

Chuck Flowers – (912) 554-7216, cflowers@glynncounty-ga.gov

3) QUESTION: Is there any Horizontal Drilling associated with this project?

ANSWER: No, there is no Horizontal Drilling associated with this project.

- 4) **QUESTION:** In review of the Commission’s Standards for Water & Sewer Design and Construction (page 39 of 62, item U iii), it states “all Standard Duplex Lift Stations with design pump rate between 350 and 749 GPM shall be Level Transducer controlled with the exception of the Audio/Visual high water alarm system, which shall be by float.” The project Drawing Sheet 5 appears to show BOTH float and what appears to be an ultrasonic Level Transducer. If an ultrasonic Level Transducer is required in addition to the float switches, then we only note in the Commission’s reference Appendix 4A – Sanitary Sewer-Lift Station and Force Main Acceptable Manufacturers (page 2 of 3, item 4.5.11.2 U) the names of Roto-Float, Blue Ribbon, and ITT which we believe to be float switch manufacturer names or submersible pressure transducer names, but not ultrasonic level control devices, or as referenced on the Drawing Sheet 5, “radar type sensing units”.

If an ultrasonic level control system is, in fact, required in addition to the float switches, and if they are not already noted by manufacturer name in the Commission Standards, then we offer for consideration a well established and standard of the industry Siemens Miltronics HydroRanger 200 HMI transmitter which comes in a NEMA 4X enclosure generally suitable for outside mounting along with the Siemens EchoMax XRS-5 transducer with suitable cable length to reach the control panel.

ANSWER: At this time the Siemens Miltronics HydroRanger will not be considered for this project.

- 5) **QUESTION:** We have submitted a Pre-Bid Submittal for consideration by BGJWSC of an additional brand pump not currently listed as an approved pump supplier in your system. While specifications are written around the KSB brand of pump, we bring to your attention a number of issues with the particular KSB pump model selection. We have compared our proposed brand to the specified brand to indicate benefits with our offering. Further, while other brands are currently named as acceptable, there is no guarantee that they will meet current specifications and offer a bid to the general bidding contractors. If our pump model is approved, we would be able to do that. In addition to the issues regarding the proposed KSB pumps, we have offered Notes in our Submittal, that may be of interest to you regarding the actual pipe size selection in the wet-well and the valve vault.

ANSWER: KSB, Flygt, Wilo, and Grundfos are the only pump options approved for this project.

- 6) **QUESTION:** Page AB of the Invitation for Bid, last item calls for a 200 amp disconnect. The Roberts Civil Engineering drawings, sheet 7, appear to show 100 amp disconnect for low voltage panel. Please clarify the required disconnect size.

ANSWER: As noted on the Drawing Sheet 5, Note 1 of Electrical requirements, 200 amp disconnect is for incoming electrical service. As noted in Note 5 of the same Electrical requirements, 100 amp panels are for local pump disconnects.

- 7) The BGJWSC Standard, p. 24 of 62, calls for semi-open or enclosed impeller. The proposed KSB pump impeller is a vortex impeller. The proposed Mody pump

impeller is a semi-open impeller. Please advise if a vortex impeller, which generally protrudes into the hydraulic passageway and therefore could impede flow is acceptable.

ANSWER: KSB, Flygt, Wilo, and Grundfos are the only pump options for this project.

- 8) **QUESTION:** The BGJWSC Standard, p. 24 of 62, calls for ability of the pump to pass 3" solids. The proposed KSB vortex impeller which protrudes partway into the hydraulic passageway may not pass a 3" solid. Note that the proposed KSB pump has a 3" (80 mm) discharge size. The proposed Mody pump has a 4" discharge size and a 3" soft solids handling capability.

ANSWER: KSB, Flygt, Wilo, and Grundfos are the only pump options for this project.

- 9) **QUESTION:** The existing wet-well is a 6' I.D. structure. The plans call for a new 5' x 3' access cover. The 5' dimension will overrun the outside of the wet-well walls and significant modification to the top of the wet-well structure may be required to accommodate a 5' long access hatch. We recommend that a 4' x 3' access hatch would safely accommodate the two pumps specified for this project. Please clarify if a 48" x 36" access hatch is acceptable.

ANSWER: The existing wet-well concrete top is being replaced to accommodate larger access cover. Contractor shall provide 5FT x 3FT access cover as shown on Drawing Sheet 5.

- 10) **QUESTION:** Sheet 5 of the Roberts Civil Engineering plans call for a new 7' x 7' Valve Vault. A new access cover is required, however, the size of the access cover does not appear to be indicated. Please advise the size of the new Valve Vault access cover.

ANSWER: 5FT x 3FT access cover.

- 11) **QUESTION:** Sheet 5 of the Roberts Civil Engineering plans call for a 6" bypass line following the Valve Vault. However, no plug valve is shown following the tee off the force main. A 6" PV with operating nut and stem extension to a valve box is recommended in order to isolate that line.

ANSWER: Contractor is to provide plug valve per facility bypass pumping connection detail as shown on Drawing Sheet 6.

- 12) **QUESTION:** The BGJWSC Standard for acceptable pumps does not include Mody Pumps, Inc. Please advise if proposed Mody Pumps, Inc submersible sewage pumps, as presented, would be acceptable for this project.

ANSWER: KSB, Flygt, and Grundfos are the only acceptable pump options for this project.

- 13) **QUESTION:** The BGJWSC Standard for acceptable access hatches does not include Halliday Products, Inc. Please advise if Halliday Products access hatches,

meeting all project specifications, would be acceptable for this project.

ANSWER: Halliday Products hatches, meeting all specifications would be an acceptable option for this project.

14) QUESTION: The BGJWSC Standard for acceptable level controls does not include Conery Mfg Co., Inc. Please advise if Conery Mfg Co., Inc, meeting all project specifications, would be acceptable for this project.

ANSWER: No, Conery Mfg, Co. Inc will not be acceptable for this project.

15) QUESTION: It is noted that the drawings show that following the pump discharge there is shown a 4" x 8" increaser. Please note that at a design discharge flow of 454 GPM through an 8" diameter pipe, this results in a velocity of only 2.8 feet per second (FPS), which is rather low for a pumped sewage fluid. Consideration may be given to a 4" x 6" increaser and 6" piping through the valve vault. The resulting velocity in each discharge pipe would be 5.09 FPS and there would be savings in pipe size, check valve size, and plug valve size. Other issues may be harmful to the pump if an 8" diameter discharge pipe is selected, especially if a lower flow rate was selected for use with the VFDs.

ANSWER: The design should remain as drawn by the Engineer of Record.

16) QUESTION: Can you please confirm the flow rate for the bypass needed at the pump station?

ANSWER: Pumps currently operate at 150GPM

17) QUESTION: Will the bypass flow be diverted into the new 8" force main or the existing 4" force main?

ANSWER: The contractor should make this determination. Both lines are operational although the valve to the 4" line is closed presently, the station is currently flowing down the 8" line.



All applicants under this Invitation for Bid are kindly requested to acknowledge receipt of this Addendum in original only.

**ACKNOWLEDGEMENT
ADDENDUM: ONE (1)**

DATE: _____

The above Addendum is hereby acknowledged:

(NAME OF BIDDER)

Signature

Title