



ADDENDUM NO. 2

TO: ALL BIDDERS

PROJECT: ITB WS 66-20
BROWN PLACE PUMP STATION & CONTROLS UPGRADE (EQUIPMENT ONLY)

OWNER: OKALOOSA COUNTY

DATE: August 6, 2020

The following items are hereby incorporated into the project contract documents and specifications. The bid date and time remained unchanged.

ITEM NO. 1 – Section 11145

Section 11145 Item 2.1.A.1 is hereby modified as follows to include the previously omitted explosion-proof requirement and other items:

1. Pumps:
 - a. Pumps shall be submersible, heavy-duty, recessed or non-clog impeller type or an approved equal by the Okaloosa County Water & Sewer Engineering Department.
 - b. The pumps shall be capable of handling raw, unscreened sewage. The discharge connection elbow shall be permanently installed in the wet well along with the discharge piping. The pumps shall be automatically connected to the discharge connection elbow when lowered into place, and shall be easily removed for inspection or service. There shall be no need for personnel to enter pump well. Sealing of the pumping unit to the discharge connection elbow shall be accomplished by the simple linear downward force of the pump. A sliding guide bracket shall be an integral part of the pump unit. The entire weight of the pump unit shall be guided by no less than two guide bars and pressed tightly against the discharge connection elbow with metal-to-metal contact by gravity only. Sealing of the discharge interface by means of a diaphragm, O-ring, or other devices

will not be acceptable. No portion of the pump shall bear directly on the floor of the wet well. The pump, with its appurtenances and cable, shall be capable of continuous submergence underwater, without loss of water-tight integrity to a depth of 65 ft. Totally submersible design, with all electrical parts housed in cast-iron, water tight enclosure. Motor cooling system shall be by induction of pumping liquid as cooling source or Engineer approved, and must operate in partially submerged conditions. Thrust and radial bearings shall be of the ball type. The motor shafting shall be stainless steel and designed for extremely difficult sewage pumping service.

- c. The motor shall be designed to operate on 3-phase, 60-cycle, and 480 volt current and shall be non-overloading at all points on the pump curve.
- d. All submersible pump motors shall be manufactured for use in NEC Class I, Division I, Group D environments.
- e. The pump shall be fitted with a rigid explosion proof lifting bail of suitable strength to lift up to two times the weight of the pump. The lifting bail shall provide a large open loop so that the bail can be hooked from the surface, precluding the need for personnel to enter the dry well. The bail shall be designed so that standard, commercially available shackles and fittings can be used to attach lifting chains or wire rope lifting assemblies. All materials and fasteners of the lifting bail device shall be 316 stainless steel.
- f. The pumps shall be equipped with a cooling jacket to allow the pumps to pump down to a minimum wet well level of 18" above the wet well invert.
- g. Due to existing hatch constraints, the pumps shall be a maximum of 18.7" in overall width at widest point and a maximum width from centerline left of 10". See plan sheet C-01 for detail.

RECEIPT OF THIS ADDENDUM SHALL BE ACKNOWLEDGED BY WRITING THIS ADDENDUM NO. AND DATE IN THE SPACE PROVIDED ON FORM H OF THE BID PROPOSAL.



Michael C. Evans, P.E. – Poly, Inc.