**ADDENDUM #1**
**INVITATION TO BID #10-195**
**SKID MOUNTED RECLAIMED WATER BOOSTER PUMPING STATION**
**March 4, 2010**

*1) Drawing C400A, "Barney's Pumps" area shows two pumps and a bypass line, and an indication that there is to be room for a future third pump. Does the future third pump replace the bypass line, or is it in addition to the bypass line?*

Response: The future third pump will replace the bypass line.

*2) In the same drawing area, there is a drawing of the flow meter assembly. Is just the flow meter, or the flow meter and piping to be provided by the pumping system manufacturer?*

Response: This should be a coordination effort between the contractor and the pumping system manufacturer.

*3) In the same drawing, all isolation valves are shown as commercial butterfly valves. Spec section 009900 only mentions OS&Y gate valves. Are the butterfly valves acceptable?*

Response: Follow specifications regarding valves. Butterfly valves shall not be used.

*4) Section 00900 calls for equipment to be painted pantone purple 522C on pages numbered 47 & 48. Page numbered 58 calls for dark gray color on the same equipment. Please clarify.*

Response: The dark gray is meant for the industrial grade epoxy primer color. The equipment is to be painted pantone purple 522C. On drawing C400B, omit Section 62.4.8 Painting.

*5) Section 00900 page number 52 calls for the VFD enclosure to be rated NEMA 1. Page numbered 49 requires all electrical equipment to be mounted within a NEMA 4X SS enclosure, but no mention is made of thermal energy management for this enclosure with a VFD installed. Is a heat exchanger or air conditioner required to cool the enclosure? If so, which is required, a heat exchanger or an air conditioner? Also, what is to be the enclosure rating of the heat exchanger or air conditioner?*

Response: The control panel enclosure shall be NEMA 4X stainless steel as specified. Stainless steel sunshields are required on the top, sides, back and front of the enclosure. The enclosure shall be fitted with an air conditioner per the following:

Air Conditioner: The main control panel enclosure and internally mounted equipment shall be cooled using an industrial style, cabinet-mounted air conditioner. The air conditioner enclosure shall be NEMA 4X stainless steel and shall not allow any air exchange from the air within the enclosure to the outside air. The air conditioner shall be of proper size to ensure adequate cooling with all electrical equipment operating at maximum demand. The pump station manufacturer shall submit heat load calculations with the submittal showing that the proposed air conditioner can provide adequate cooling.

*6) There seems to be a reference to an "inner door" where some equipment is to be mounted. However, on page numbered 49, paragraph 12, it would seem that such equipment may be mounted on either the door or a dead front door. The OID is required to be mounted on the outer door on page numbered 53, paragraph 27a. Please clarify whether the dead front door is required.*

Response: The OID is required to be mounted on the dead front door. All indication lights, reset buttons, H-O-A switches, etc. shall be mounted on the dead front door.

*7) If the dead front door is not required, is the GFCI receptacle to be mounted inside the controls enclosure or on the door with a weather tight cover?*

Response: Mount the GFCI receptacle inside on the dead front door.

*8) Available suction pressure is not found in section 00900 or on drawing C400A. Section 00900 page numbered 55, paragraph 32c) calls for low suction pressure alarm, and d) calls for low suction pressure or low level alarm. This could indicate that suction pressure may be too low for a reliable suction pressure alarm. Please advise available suction pressure, and whether low suction pressure or low level alarm is required for d).*

Response: Alarm conditions are as specified, and the pump manufacturer shall set at start up.

*9) Page numbered 57, paragraph c) calls for conduit sealing fittings for conduit entering wet well. There is no wet well shown on drawing C400A. Please clarify the reference to a wet well.*

Response: This is an instruction for the contractor if required. The wet well is the sanitary sewer lift station noted on sheet C300.

*10) Is a bid bond required? Can the standard AIA bid bond form be used?*

Response: Bid security will be required for this project in the amount of 5% of the bid price. The AIA forms are acceptable.

*11) Section 00900 Part 1, Item 2g) submittals shall be modified to read:*

Electrical information, including control schematic and panel layout shall be UL approved. Control panel must be UL 508A and entire pump package must be UL QCZJ rated. The manufacture's file number must be shown on the submittal package.

End