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ADDENDA

ADDENDUM NUMBER 03

DATE: **September 6, 2022**

PROJECT: **CHAPEL HILL NORTH PUMP STATION REHABILITATION**

OWASA CIP NUMBER: **277-45**

OWNER: **ORANGE WATER AND SEWER AUTHORITY**

ENGINEER: **McKim & Creed, Inc.**

TO: **Prospective Bidders**

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated July 2022, with amendments and additions noted herein below.

Acknowledge receipt of this Addendum in the space provided in the Bid form. Failure to do so may disqualify the Bidder.

This Addendum consists of 2 pages (including this page).

CLARIFICATIONS AND RESPONSES TO BIDDER QUESTIONS:

Bidder Question 1: Does the existing manhole top section that must be removed have to be removed by saw cutting or is there an existing top section joint that can be removed?
Engineer Response to Bidder Question 1: The existing wet well top section is to be removed to the existing precast joint between the existing top section and first riser barrel.

Bidder Question 2: Dwg C00.1 shows an existing pump station bypass connection. Bidder assumes that this bypass connection is currently operational and can be used for temporary bypassing while rehabilitating the existing pump station. Is there a valve on the existing bypass connection that will keep the flow from coming back into the wet well. Please verify.
Engineer Response to Bidder Question 2: All known existing valves outside of the pump enclosure and within the pump station perimeter fence are shown on plan sheet C00.0 and are assumed to be fully operational. Reference specification 01 10 10 for maintenance of facility operations; it is the intent of the contract documents to have the new bypass pump connection and valves installed prior to rehabilitation of the existing wet well.

Bidder Question 3: Section 11 30 14 - Vacuum Primed Packaged P.S. - I could not find a specified manufacturer or a basis of design. Who are the acceptable manufacturers?
Engineer Response to Bidder Question 3: Reference "Pump Design Data" table on sheet M00.0 for the pump basis of design, and also reference spec section 40 68 01 for the pump control panel basis of design. Smith & Loveless is the basis of design pump manufacturer.

Bidder Question 4: The new bypass connection and associated piping shown on drawing C00.2 appears to be installed after the existing bypass connection which makes the existing bypass connection useless for the installation of the new yard piping and bypass connection. Is this assessment correct? If so, where does the temporary bypass flow discharge to?

Engineer Response to Bidder Question 4: Reference specification 01 10 10, specifically article 1.2.D, for maintenance of facility operations during shutdown of the force main. Materials removed by the pump & haul operation are to be hauled to OWASA's Mason Farm Wastewater Treatment Plant, located at 170 Old Mason Farm Road, Chapel Hill, North Carolina. Contractor to submit a detailed pump & haul plan to the Engineer for review and approval as part of the Construction Sequencing and Outage Plan described in specification 01 10 10.

Bidder Question 5: Specification section 26 00 00, G.4 states "Provide and install new equipment rack as shown in the Contract Documents to mount and/or house all power and control enclosures and devices as required." There is no electrical site drawing provided. I am unable to locate the new equipment rack mentioned above on any of the included site drawings. Would you please provide this location?
Engineer Response to Bidder Question 5: The scope of this project does not include a new electrical equipment rack. The new pump control panel is to be housed within the new pump enclosure and the existing power panels are to be modified as described in the contract documents.

Bidder Question 6: Please confirm the wiring and conduits shown between the "NEW PUMP CONTROL PANEL ENCLOSURE" and the "WET-WELL TERMINATION BOX" are all part of the packaged pump station and installed by the manufacturer? I do see the note "MFR. CABLE(S) 3"C but was unsure if that was just for the wire or the wire and conduit. Side note, on sheet E01.2 the conduits shown below are labeled 3"C on one side and 2"C on the other.
Engineer Response to Bidder Question 6: The wetwell termination box is not needed under the assumption float switch installation and entry into pump control panel meets NEC/NFPA and pump skid manufacturers requirements. Contractor to include wetwell hazardous gas mitigation methods as part of raceway and materials submittal for review by Engineer. Conduit shown on plan sheet E01.2 noted as *"MFR. CABLE(S) 3"C* to be revised to read *"MFR. CABLE(S) 2"C,* and shall include wire and conduit as required to provide a functional and complete system.

-END OF DOCUMENT-

