Addendum No. 6

OSWWTP Phase 1 Replacement Project
Corolla, Currituck County, North Carolina
July 2, 2015

The following shall take precedence over the plans and specifications of the above named project and shall become part of the Contract Documents. Original items of the specifications, contract documents and information indicated on the drawings not herein modified, amended, voided or suspended shall remain in effect.

General

The following are questions posed by plan holders. The questions are in *italicized* text and the answers are in **bold** text.

1. *DRAWING E5.0 indicates the provision and installation of secondary feeders from DNCP transformer to DNCP CT Cabinet to be installed by electrical contractor. I spoke with Jay Tutweiler of DNCP who said this was not typical. The cost of secondary wiring will be included in their proposal. If installed by contractor, the owner will be responsible for maintenance and repair. Please advise.*

   We have confirmed with DNCP the secondary conductors will be furnished and installed by DNCP. The contractor shall provide (3) 3 ½" conduits from DNCP pad mount transformer to DNCP CT Cabinet in lieu of "Proposed secondary feeder, 2 sets each: 4-600kcmil – 3 ½"C, (1) 3 ½"C spare" indicated on "Power Riser Diagram", sheet E5.0.

2. *Is BX (Armored) cable allowed to be utilized in the Support/Electrical Building walls and ceiling for receptacle, switch and light wiring?*

   Metal Clad Cable type MC would be acceptable for conductors #10 and #12 inside the building concealed in walls and ceilings for receptacle, switch and light wiring.

3. *The Influent Grinder and Influent Mechanical Screen in the Headworks are feed directly*

from panel H1. Should there be a motor controller for these?

These items are provided with their own control panels.

4. *How will the WTICP be mounted? Will it be free standing or mounted to the equipment rack? If free standing, will there be enough room underneath for Seal-offs?*

   We understand the WTICP to be freestanding. The WTICP is provided by the waste water treatment equipment provider and has limited specifications available at this time. It is anticipated there will be room for seal-off fittings underneath the WTICP without additional elevated base required.

5. *I have a couple questions regarding the Electric Motor Operated BFV on the discharge side of the blowers. Drawing attached and valves are circled in red.*

   A. I assume 316 or 304 SS Body to match up with pipe?

   316SS BODY

   B. What is the max temp of the air to be discharged?

   172°F

   C. What is the line pressure Does the owner prefer a particular brand EMO?

   Discharge Pressure: 23.7 psia

   D. Is the service open / close or modulating?

   Open/Close

   E. What is the power supply available – (110 – 240 – 460 etc?)?

   110V, Single Phase

6. *Do we utilize galvanized strut for mounting disconnect and other items on the handrails of the structures, or are we required to utilized stainless steel strut?*

   Galvanized struts are acceptable.

7. *In regards to the junction boxes for the submersible pumps, should they be fiberglass as stated in the specs (Division 2, 4.2) or Cast Metal, threaded hub type with gaskets stated on the prints (E7.0 Section 16210F)?*

Junction boxes for the submersible pumps shall be cast metal with threaded hub with gaskets.

8. Do the blower disconnects need to be Nema 4X Stainless Steel inside the building?

The disconnect switches may be NEMA 1 in lieu of NEMA 4XSS for the blowers located inside the building.

9. Who is the Utility Power supplier to the plant?

Dominion North Carolina Power

10. Are you expecting architectural grade shingles or standard grade shingles?

Architectural Grade Shingles

11. Will a building permit be required from Currituck County?

Yes

12. Will the county waive the building permit fee(s)?

Yes

13. What is the interior finish for the building?

Painted drywall

Plans

1. Please note that additional topographic information pertaining to the site grading is forthcoming and will appear in the next addendum.

2. Sheet E1.2 "Electrical Power and Special Systems New Work Plan": Add connections for (8) electrically actuated valves for the blower system piping. Each electrically actuated valve shall be circuited via the WTICP. Refer to Waste Water Treatment Plant Drawings sheet WW3 for locations.

Specifications

1. Section 02738 - HEADWORKS SYSTEM CONTROLS shall be deleted in entirety. The Hauler Station Controller with Data Collection is not required for this project. The only controls required to operate the screen system for the headworks facility are the controls

described in Specification Section 02734 2.03

2. Specification Section 02741 - Wastewater Process Equipment

2.0 AMPHIDROME® REACTORS is design is a quad-train system consisting of four (4) 13.17'W x 23.67'L Amphidrome® reactor and one (1) 11.18 ft. x 13.17 ft. Amphidrome® Plus reactor. All tanks will be made of precast concrete and furnished and installed by the contractor. Selected internals itemized in Table 2.0 shall be furnished by the manufacturer.

Revise to:

2.0 AMPHIDROME® REACTORS is design is a quad-train system consisting of four (4) 13.17'W x 23.67'L Amphidrome® reactor and one (1) 11.18 ft. x 13.17 ft. Amphidrome® Plus reactor. All tanks will be made of cast-in-place concrete and furnished and installed by the contractor. Selected internals itemized in Table 2.0 shall be furnished by the manufacturer.

3. Specification Section 02741 - Wastewater Process Equipment

2.1 REACTOR VESSELS The reactor vessels shall be furnished and installed by the contractor and be made of precast reinforced concrete with dimensions and specifications as shown on the drawings. Each vessel shall be field assembled by the installing contractor complete with reactor internals, process and backwash air header, backwash trough, backwash check valve, and inlet and outlet piping. Backwash check valves are to be supplied by the Amphidrome® process system supplier.

Revise to:

2.1 REACTOR VESSELS The reactor vessels shall be furnished and installed by the contractor and be made of cast-in-place reinforced concrete with dimensions and specifications as shown on the drawings. Each vessel shall be field assembled by the installing contractor complete with reactor internals, process and backwash air header, backwash trough, backwash check valve, and inlet and outlet piping. Backwash check valves are to be supplied by the Amphidrome® process system supplier.