

December 1, 2016

**BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA**

ADDENDUM NO. 6 / IFB NO. Y17-711-PH

**SOUTH WATER RECLAMATION FACILITY FATS OILS AND GREASE (FOG)
AND SEPTAGE RECEIVING STATION**

BID OPENING DATE: ~~December 6, 2016~~ **December 13, 2016**

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Additions are indicated by underlining, deletions are indicated by ~~strikethrough~~.

A. This bid opening date is changed to December 13, 2016 at 2:00 P.M.

B. BIDDER QUESTIONS

- 1. Specifications for PVC 80 call for solvent welded joints, but the FRP Tank odor control vent lines depicted on sheets M01 & M03 appear to show flanged joints on all fittings. Is it the intent to provide flanged fittings or will S/W joints on this line?**

Response: For the FRP Tanks odor control vent lines on Drawings M01 and M03, provide solvent welded PVC socket joints instead of flanged joints, except at tie-ins to tanks and to odor control inlet.

- 2. Will grout filling be required on lines capped per sheets M01 and C02?**

Response: For the 6" drain near the southeast corner of the structure on Drawings M01 and the polymer lines shown on Drawing C02, do not provide grout fill in the remaining pipes.

- 3. Can you confirm the contents of the existing poly tank to be removed? If removal is a contractor responsibility, can the contents be disposed of onsite?**

Response: The existing contents of the existing tank to be removed are liquid and residues from ferric chloride solution. These residues and flushing water may be routed to drain to onsite sewer with permission from the RPR as to

method, volumes, and prior removal of any solid material, which will be disposed as solid waste. After the tank is clean, it will be demolished and removed from site.

- 4. We are requesting consideration of the Daniel Mechanical for Section 11530 (Odor Control Biofilters).**

Response: The County does not consider requests for substitution during bidding. The selected Contractor may submit a request for a product substitution as a submittal after Notice of Award, in accordance with the General Conditions.

- 5. Gas Meter installation: Per the section 15066, a 3 hour pressure test must be completed after a 2 to 3 hour stabilization period. This leaves anywhere between 1 and 0 hours to complete all required demolition and installation of the required components. (fusion heating and cooling of the adapter alone takes a minimum of 30 minutes in ideal conditions) Is there a possible extension of the 6 hour window?**

Response: Revise the pressure test requirement to 1 hour duration after the 2 to 3 hour stabilization period. The outage duration will not be extended.

- 6. The update sludge piping plans do not show a specific connection details or bypass requirements. What is the shutdown window for this operation and how is the pipe to be routed? The plans indicate 2-4" flanged 90's and 2-4" MJ 90's directly after the 16" tee. How are these and the tee to be oriented? Will the pipe penetrate an existing slab or will a new slab be required? Will pipe stands be required?**

Response: Instead of connecting directly to the 16-inch pump discharge line, connect to the 4-inch branch that is connected to 4-inch RW flushing connection. Refer to attached photo for revised tie-in point. This section of pipe is not normally used, and can be isolated for an outage duration of 3 days maximum.

The piping, valves, and fittings for digested sludge shall be glass-lined DI. Make sure that the flushing valves are closed on either side of the existing 4-inch DI flanged 90 degree bend prior to replacing that bend with a 4-inch DI flanged tee with 4-inch plug valve on the protruding run. Reuse the 4-inch DI flanged 90 degree bend on the end of the plug valve (do not reuse bolt sets),

and provide flange by PE riser pipe to a new 4-inch DI RJ 90 degree bend underground, then continue piping as shown on Drawing C03, Revision 1. The proposed riser pipe will enter the ground without penetrating the slab; provide a 4-inch DI flanged spool piece to move the riser outside of the existing slab. A pipe stand will not be needed between the existing RW riser and the proposed digested sludge riser. See attached

7. Please provide the existing line size for the septage reclaimed water connection.

Response: The existing reclaimed water line is 4-inch ductile iron. There are two tie-in points to achieve the offset so provide a DI RJ 90 degree bend on the north end, and a DI RJ tee as shown on Drawing M02, revision 1.

8. Will linestops be required to perform the 4" reclaimed offset or can that section of pipe be isolated?

Response: Assume that linestops will be needed to isolate that portion of the RW line so as not to interfere with other uses of RW.

9. I am writing you to ask if you can include Augusta Fiberglass to the list of acceptable manufacturers in 2.10, page 16 of the attached specifications for the two upcoming bids for South WRF. AFC would very much appreciate the opportunity to bid on these tanks.

Response: The County does not consider requests for substitution during bidding. The selected Contractor may submit a request for a product substitution as a submittal after Notice of Award, in accordance with the General Conditions.

10. Spec 13209, 3.03, A., 3. States that the Contractor is to notify the Owner when the tanks are ready to receive a shipment of the chemical to be stored. Please confirm that there are no chemicals required for these tanks.

Response: The words "chemical" and "product" refer to FOG.

11. Please confirm that the Tank Insulation is required, specification 13209 calls for UV resistant tanks, which would not be needed if wrapped in insulation, it will also be under the new Pre-Engineered Building, with very little to no sunlight exposure.

Response: Confirmed that tank insulation and UV resistance are required. The tanks may be repurposed at some time in the future and the tanks should not degrade from UV exposure.

12. Please detail containment “Speed Bump”, Minimum height and width requirements, rebar, etc.

Response: The speed bumps shall be of 4000 psi fiber-reinforced concrete, 2 feet wide in cross section with rounded crown and 4 inches high.

13. Please confirm that the 12” Slab and Containment Curb Northwest Corner will terminate at the Mow Strip, or WAS Storage Tank Wall.

Response: The northwest portion of the Septage System’s proposed containment curb and 12-inch slab will extend to and run adjacent to the wall of the existing WAS Storage Tank. Provide expansion joint material between the existing tank wall and the proposed curb/slab.

C. ACKNOWLEDGEMENT OF ADDENDA

- a. The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of proposal.
- b. All other terms, conditions and specifications remain the same.

Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm

REVISED TIE-IN POINT
AT EXISTING 4" DI FLANGED
90 DEGREE BEND

