

**SEPTEMBER 20, 2017
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA**

**ADDENDUM NO. 3/ IFB NO. Y17-786
NORTHWEST WATER RECLAMATION FACILITY AND EASTERN WATER
RECLAMATION FACILITY DISK FILTER INSTALLATION**

BID OPENING: SEPTEMBER 28, 2017

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 ~~striketrough~~.

The bid opening date remains September 28, 2017 at 2:00 P.M.

A. SPECIFICATIONS

Clarification

Specification Section 01025-3/b shall be modified as below.

b. Installation of the backwash system (furnished by others) for each filter unit including backwash manifold, backwash pumps, ~~3-inch backwash piping up to the connection with the 18" DR-1 riser,~~ valves and appurtenances, and backwash drive mechanism. (3-inch backwash piping as required to complete backwash system shall be supplied by installing Contractor under this contract.)

B. DRAWINGS

Clarification

Drawing D-065-302B – additional notes four (4) and five (5) as written below.

4. Provide 2-inch schedule 80 PVC drain piping from the 2-inch drain valve on the filter effluent nozzle blind flange, routed to and connected to the 3-inch filter drain pipeline.

5. Construct a concrete equipment pad for each backwash pump. The pad shall be of sufficient height such that the pump suction elevation matches the 3-inch suction flange elevation on the filter. The equipment pad shall be constructed in accordance with detail I/S-065-501. Anchor bolts for the pump base shall be set in accordance with detail 4/D-501 and specifications

Clarification

Drawings D-570-102B and D-570-302B.

- I. Backwash equipment pads shall be supplied for each backwash pump in lieu of mounting to exterior of filter tank with SST shelves. Pumps shall be located as shown on drawings with the exception of shifting the pumps to provide clearance from the filter tank pad. Pump equipment pad shall be per detail J/S-570-501 and specifications.

- II. The existing Alum (1 AL-1) line as shown on the south east section of D-570-102B has been installed west of the existing chlorine contact tank, adjacent to an existing chemical tank. The 1 AL-1 pipe shall therefore connect to the existing piping at the north west corner of the disk filter structure and be routed along the interior of the north wall and continue as shown on the interior east wall. Contractors can field verify the location of the existing (1 AL-1) line.

C. BIDDER QUESTIONS

1. Where does detail O/S-065-502 refer to in the plans

Response

The detail cross referenced in drawing no. O/S-065-502 is not required for this project.

2. Drawings show pouring the concrete equipment pads on top of the existing grout on the floor. Is this correct, or does the grout need to be removed first?

Response

At EWRP, the intent is to have the grout topping as shown on drawing no. S-570-303C carried out as part of this Disk Filter

Installation Project. In this respect the equipment pads shall be placed prior to the grouting works.

On the Northwest project the alum columns for the walkway are grouted and bolted to floor; on the Eastern project they are on concrete columns. Is this correct? Does the grout need to be removed for the columns? Can they be grouted to the floor like the Northwest columns?

Response

At NWRP, it is our understanding that the existing concrete slab is sloped and thus no additional grout is necessary. Since no grout is necessary, the columns can then be placed directly on the existing slab.

At EWRP the walkway and platform steel columns should be set on concrete pedestals which are to be placed prior to the grout. The reinforcement for these may be drilled and epoxied in place. Once the pedestals are in place then grout may be poured to achieve the necessary slope.

3. Can the weight of the filters be given?

Response

Per Alfa shop drawing the dry weight per unit is 22,800lbs. Final approved shop drawing shall be provided to successful Contractor per specification section 01010-1/A

4. Is the grout topping shown on S-570-105C to be provided under this bid or is that existing?

Response

See response to question 2. The grout topping shall be carried out as part of this project.

5. I am concerned that the 30" x 24" Filter Influent is unsupported from the wall penetration detail shown on the S-570-502 to the filter flange. That is almost 11-feet of pipe weight hanging on the Filter Equipment flange. Can we confirm if a support needs to be added in that piping?

Response

A pipe support shall be required for each influent line, just to the east of the dismantling joint. Pipe support shall be per detail Q/S-570-502.

6. The specification 01010-2, A, 1 &2, reads that all the piping & structures located outside of the disk filters are existing, with the exceptions of the potable main and hypochlorite service for the Northwestern facility.

On drawings D-570-102B and D-570-302B shows:

- Three emergency eyewash/showers referred to detail (4/D-503).
- Five ARV referred to detail (4/D-502).

These are located outside the filters area, but the mark for these appear to be on bold. The installation of the ARV will require the demolition and replace of sidewalk.

Can you please clarify if the installation of these equipment and air release valves are part of the current scope for this project?

Response

The three emergency eyewash stations as shown on D-570-102B are to be installed under this project. The five ARV's as shown on D-570-102B will be existing at time of filter installation.

7. We are writing to see what can be done to modify the language of Specification section Instructions To Bidders; Part C #28 References; so that we may be able to bid the project:

We are licensed, insured, bonded, financially capable and have the key professionals on board to easily perform this work.

28. REFERENCES:

Bidder should supply (with the bid form) a list of up to 4 similar projects successfully completed by the Bidder, as a Prime or Sub Contractor within the last 10 years. Failure to provide this information may be cause for rejection of the bid. Bidder shall submit previous project experience that includes the following elements:

- Contractor shall have experience installing 16" pipe or larger. The work must have been performed at a water reclamation facility (WRF).
- Contractor has to demonstrate experience with integrated electrical/control work on a WRF with a capacity of 3 MGD or larger.

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While we do have experience working at Water and waste water plants, and also Utility installation projects (both in past and currently under contract) we feel that we more than qualify to build this project. Both myself, and our key superintendent we would utilize on the project have

installed many disc filters over the years of this type at WRF's all over the state.

We kindly request the language of the bullet point items to read:

- Contractor's Project Manager AND Superintendent shall have experience installing 16" pipe or larger. The work must have been performed at a water reclamation facility (WRF).
- Contractor's PM and Superintendent shall to demonstrate experience with integrated electrical / control work on a WRF or facility .

Response

The qualifications for this project shall remain as originally written.

D. The Bidder 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 the bid.

E. All other terms and conditions remain the same.

Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm