



CITY OF TAMPA

Pam Iorio, Mayor

CONTRACT ADMINISTRATION DEPARTMENT

David L. Vaughn, AIA, Director

ADDENDUM NO. 2

DATE: AUGUST 7, 2008

Project: 08-C-00034; University Pumping Station Pump #2 Replacement

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Note: Time for Completion, as referred to on page I-1a, is 310 calendar days.

CHANGES TO PLANS

- Item 1: Sheet 4, Construction Notes / General, Note G-10: Change pump rating from 28.4MGD at 50.8 feet TDH to 29.1MGD at 51.1 feet TDH.
- Item 2: Sheet 4, Construction Notes / General: Add Note G-24 stating: "Contractor shall provide air monitoring equipment for use while performing work in the wet well / screen room area. Air monitoring equipment shall test for oxygen levels and hydrogen sulfide levels. Air monitoring equipment shall be in accordance with OSHA requirements for this specific environment."
- Item 3: Sheet 4, Construction Notes / General: Add Note G-25 stating: "Ductile iron pipe and fittings shall be lined with Protecto 401 Ceramic Epoxy, 40 mils (dry), or equal. Steel pipe and fittings shall be lined with Permax Pipe Glaze PCS-9043 Type II Glass Flake Epoxy Pipe Coating, 40 mils (dry), or equal"

CHANGES TO SPECIFICATIONS

- Item 4: Section 58- Sewage Pumping Equipment, Page W58-1, Subsection W-58.01 General: Replace entire subsection with the following:

W-58.01 GENERAL

The sewage pumping equipment shall include pump, motor, variable frequency drive and all control equipment to provide a complete pump control system. Only the pump, motor and vibration monitoring equipment will be specified in this section while the drive system is specified in a later section. Vibration monitoring sensors shall be provided and installed on both the pump and the motor. Vibration testing for the pump and motor assembly shall be performed and adhered to as indicated in the Specific Provisions section titled Vibration Requirements for Rotating Equipment.

In order to insure unit responsibility of the proposed sewage pumping system, Sanders Company, Inc. (the sole source pump supplier) shall be responsible for the following:

Furnishing the pump, motor, 350HP VFD and vibration monitoring equipment.

Labor and materials related to removing the old 75HP VFD system and modifying the cubicles as required.

The installation of the new 350HP VFD and new VFD components (to be mounted internally to the existing VFD and Control Relays cubicles).

Furnishing the proposed 12-pulse transformer.

Testing and training for the new sewage pumping system.

All other labor and materials required to install the 12-pulse transformer and all wiring external to the VFD and Control Relays cubicles, including the transformer platform, core drilling and conduit installation as specified may be provided by the contractor or qualified sub-contractor in accordance with applicable project plans and specifications.

306 E. Jackson Street, 4N • Tampa, Florida 33602 • (813) 274-8456 • FAX: (813) 274-8080


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Item 5: Section 58- Sewage Pumping Equipment, Page W58-1, Subsection W-58.02 Pump Characteristics: Replace entire subsection with the following:
W-58.02 PUMP CHARACTERISTICS
The pump shall be a vertical dry pit close coupled, single stage, split case centrifugal pump with a single bottom suction and a side discharge with a clockwise rotation. The pump shall be a Fairbanks Morse 24-inch Model C5741 with an L24A1BD impeller. A Single Source Certificate for the pump manufacturer has been included in the Contract documents and no other pump manufacturer will be considered.

The pumping unit shall be variable speed and designed for operating under the following conditions:

Rating Data

Number of Units		1
Rating Capacity		
Motor at 100% speed	(585 rpm)	29.1 MGD at 51.1 ft., TDH
Motor at 55% speed	(320 rpm)	11.4 MGD at 17.9 ft., TDH
Motor at 42% speed	(245 rpm)	4.0 MGD at 11.8 ft., TDH
Minimum pump efficiency at rated conditions with motor at 100% speed		86%
Approximate shut-off head with motor at 100% speed		73.0 ft.
Horsepower		350
Maximum Speed		585 rpm

Net positive suction head required (NPSHR) at the centerline of the pump impeller is 19.3' at 29.1 MGD.

Item 6: Add the following to Section W-58:
W-58.17 SPARE PARTS
The following spare parts shall be provided for the proposed pump:
One spare mechanical seal.
One spare Spiral Trac Adapter throat bushing.

This addendum shall be included in and attached to the inside cover of the Contract Documents by and upon which bids are submitted.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect.

For questions concerning the above referenced project, please fax to 813/274-8080.



Jim Greiner, P.E., Contract Manager
Contract Administration Department