

ADDENDUM NO. 3
TO THE CONTRACT DOCUMENTS
for the construction of

Date: June 12, 2019
Project No.: 707158

PUMP STATIONS REHABILITATION PHASE 2 C, E,
AND D MANHOLE

CITY OF KEY WEST
KEY WEST, FLORIDA

To All Planholders and/or Prospective Bidders:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of Pump Stations Rehabilitation Phase 2 C, E, and D Manhole dated May 2019 as fully and completely as if the same were fully set forth therein:

A. CONTRACTOR'S QUESTIONS AND ANSWERS

1. **Question:** Where is LC C Pump Data?

Answer: ADDED in Addendum No. 3.

2. **Question:** LS E Pump Data Sheets list MAX shutoff pressure as 110 FT. Is this correct?

Answer: Yes.

3. **Question:** On LS E Pump Data Sheets the base elbow is called out as 316 SS. If base elbows are desired in 316 SS this would be extremely long lead time as well as very costly. Alternative would be whats in the remarks to coat any non-stainless wetted items with 2 coats of WILO CERAM. Just want to confirm that is acceptable.

Answer: Bid the project with stainless steel base elbows.

B. PART 1, BIDDING REQUIREMENTS

1. Section 00 11 13, Invitation to Bid

Page 1, DELETE "...until **3:00 p.m.** on **June 19, 2019**..." "REPLACE with "...**3:00 p.m.** on **June 26, 2019**..."

C. PART 3, SPECIFICATIONS

1. Section 44 42 56.04, Submersible Pumps

Page 15, paragraph 3.05.A ADD the following:

“2. Data Sheets: Pump Station C Pump and Motor.”

Supplement, Page 3 and 4 ADD the attached in their:

“Supplement– 3 and Supplement -4: Submersible Pump Data Sheet Pump Station C“.

D. DRAWINGS

1. Drawing 010-D-201: Pump Station C Rehabilitation Plans and Section

DELETE Sheet Keynotes #1 and REPLACE with “Replace two existing pumps w/ two new pumps. Provide new 316 SST guiderails and chains.”

DELETE Sheet Keynotes #2 and REPLACE with “ New concrete equipment pad w/ integral stainless steel mounting plant for pump base see Detail 0330-056F. Replace existing discharge elbow.”

Section A: ADD note “Provide new discharge elbow” with callout arrow to existing pump elbow.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 3 in the Bid Form or by submitting the Addendum with the bid package. Bid Forms submitted without acknowledgment or without this Addendum will be considered in nonconformance.

CH2M HILL

Project Manager

Appended hereto and part of Addendum No. 3:
Section 44 42 56.04 Submersible Pumps: Pump Station C datasheets, attached.

END OF ADDENDUM

SUBMERSIBLE PUMP DATA SHEET, 44 42 56.04-2Pump Name: Pump Station C Pump 1 and Pump 2Manufacturer and Model Number: Wilo: No other**SERVICE CONDITIONS**Liquid Pumped (Material and Percent Solids): Domestic SewagePumping Temperature (Fahrenheit): Normal: 70 Max 80 Min 60Specific Gravity at 60 Degrees F: 1.0 Viscosity Range: 1.0pH: 6-8 Abrasive (Y/N) Y Possible Scale Buildup (Y/N): NMinimum diameter solid pump can pass (inches): 3Min. NPSH Available (Ft. Absolute): 30**PERFORMANCE REQUIREMENTS**Capacity (US gpm): Rated: 1700 Secondary: 4,000Total Dynamic Head (Ft): Rated: 70 Secondary: 18Maximum Shutoff Pressure (Ft): 110Min. Rated Pump Hydraulic Efficiency at Rated Capacity (%): 70%Max. Pump Speed at Rated Capacity (rpm): 1140 Constant (Y/N): Y
Adjustable (Y/N): N**DESIGN AND MATERIALS**Pump Type: Heavy-Duty Nonclog (Y/N) Y Other: _____Volute Material: Cast Iron ASTM A48Pump Casing Material: Cast Iron ASTM A48Motor Housing Material: Cast Iron ASTM A48

SUBMERSIBLE PUMP DATA SHEET, 44 42 56.04-2

Pump Name: Pump Station C Pump 1 and Pump 2

Elastomers: Nitrile Rubber

Fasteners: Type 316 Stainless Steel

Impeller: Type: Double-Shrouded Non-Clog (Y/N): Y (Solid T) Other: _____
Material: Cast Iron ASTM A48

Shaft Material: Carbon Steel, ASTM A576 with stainless steel sleeve or all stainless steel.

Base Elbow: 316 SST

Double Mechanical Seal (Y/N): Y Bearing Life (Hrs): 100,000

DRIVE MOTOR (See Section 26 20 00, Low-Voltage AC Induction Motors)

Horsepower: 80.46 Voltage: 480 Phase: 3 Synchronous Speed (rpm): 1140

Enclosure: EXP

CLASSIFICATION: Class 1, Group D, Division 1

Other Features: _____

Moisture Detection Switches (Y/N): Y

Thermal Protection Embedded in Windings (Y/N): Y

REMARKS: Provide 316 SST guide rails, 316 SST lift chains, discharge elbows and non-sparking brackets. All wetted parts that are not stainless steel shall be coated with 2-part epoxy (Ceram C0) with total dry film thickness of 12 mils. Motors shall be inverter duty.