

ADDENDUM NO. 6
TO THE CONTRACT DOCUMENTS
for the construction of

Date: July 11, 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. PART 3, SPECIFICATIONS

1. Section 44 42 56.04, Submersible Pumps

Supplement 1 and Supplement 2 DELETE in their entirety and REPLACE with the attached.

B. PART 4, DRAWINGS

1. Drawing 020-E-601: Pump Station E One-Line Diagram: DELETE in its entirety and REPLACE with the attached.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 6 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. 6:
Section 44 42 56.04, Supplement 1 and 2 Submersible Pump Data Sheet, attached.
Drawing 020-E-601: Pump Station E One-Line Diagram, attached.

END OF ADDENDUM

SUBMERSIBLE PUMP DATA SHEET, 44 42 56.04-1Pump Name: Pump Station E Pump 1 and Pump 2Manufacturer and Model Number: Wilo FA 25.82Z. 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: 4,250 Secondary: 5,600Total Dynamic Head (Ft): Rated: 28 Secondary: 14Maximum Shutoff Pressure (Ft): 70 or lessMin. Rated Pump Hydraulic Efficiency at Rated Capacity (%): 70%Max. Pump Speed at Rated Capacity (rpm): 900 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 56.04-1

Pump Name: Pump Station E Pump 1 and Pump 2

Elastomers: Nitrile Rubber

Fasteners: Type 316 Stainless Steel

Impeller: Type: Double-Shrouded Non-Clog (Y/N): Y 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: 47 Voltage: 480 Phase: 3 Synchronous Speed (rpm): 890

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.

