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

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.  

END OF ADDENDUM
SUBMERSIBLE PUMP DATA SHEET, 44 42 56.04-1

Pump Name: Pump Station E Pump 1 and Pump 2

Manufacturer and Model Number: Wilo FA 25.82Z. No other

SERVICE CONDITIONS

Liquid Pumped (Material and Percent Solids): Domestic Sewage

Pumping Temperature (Fahrenheit): Normal: 70 Max: 80 Min: 60

Specific Gravity at 60 Degrees F: 1.0 Viscosity Range: 1.0

pH: 6-8 Abrasive (Y/N): Y Possible Scale Buildup (Y/N): N

Minimum diameter solid pump can pass (inches): 3

Min. NPSH Available (Ft. Absolute): 30

PERFORMANCE REQUIREMENTS

Capacity (US gpm): Rated: 4,250 Secondary: 5,600

Total Dynamic Head (Ft): Rated: 28 Secondary: 14

Maximum Shutoff Pressure (Ft): 70 or less

Min. 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 A48

Pump Casing Material: Cast Iron ASTM A48

Motor 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.