

# BID ADDENDUM NO. 4 ITB/004/16/KL CITY OF WINTER SPRINGS WTP NO. 1 WATER QUALITY IMPROVEMENTS

March 17, 2016

To prospective bidders & others concerned:

This addendum sets forth changes and/or information as referenced and is hereby made a part of, and should be attached to, the subject Contract Documents.

- A. General
  - 1. Bid Opening March 18, 2016 at 2:00 pm local time.

## B. Contract Documents and Specifications – See Attachment

C. Contract Drawings - See Attachment

## **D.** Responses to Bidders

- 1. Revere, RFI Dated 03/15/2016: See attached Memorandum Electrical Engineer Addendum No. 4 Responses.
- 2. Revere, RFI Dated 03/16/2016: See attached Memorandum Electrical Engineer Addendum No. 4 Responses.

## E. Attachments

1. Memorandum Electrical Engineer Addendum No. 4 Responses

END

Bid Addendum #4 Page 1 of 1



#### MEMORANDUM BAILEY ENGINEERING CONSULTANTS, INC. 10620 GRIFFIN ROAD, SUITE 202 COOPER CITY, FL 33328 TEL (954) 448-7930 FAX (954) 713-9959

To: CPH, Inc.

From: Bailey Engineering Consultants, Inc.

Date: March 16, 2016

Project: Winter Springs WTP #1 Water Quality Improvements (ITB/004/16/KL)

Subject: ADDENDUM NO. 4

The Contract Documents, Specifications and Drawings are hereby amended as follows:

## A. CONTRACT DOCUMENTS AND SPECIFICATIONS:

## **Specification Section 13310:**

- 1. **Insert** the following new paragraph 2.03, J that reads:
  - "J. Electrodes (Probes). The electrodes or probes shall be suspended vertically downward from the top of the ground storage tank to make contact with the liquid and thus complete a circuit which actuates a B/W relay.
    - 1. Electrode Requirements:
      - a. Wire suspension electrodes.
      - b. Stainless steel electrodes with shield.
      - c. Number of Electrodes: Eight (8).
      - d. B/W Controls catalog number 6013-W6.
    - 2. Electrode Wire Requirements:
      - a. Suspension cable.
      - b. Length: per actual field conditions.
      - c. Single conductor 18 gauge, 41 strand copper with 4/64" vinyl insulation.
      - d. B/W Controls catalog number 6013-SW.
    - 3. Electrode Holder Requirements:
      - a. Flanged cast iron electrode holders.
      - b. Flange size: 4 inch.
      - c. Eight (8) electrodes minimum.
      - d. B/W Controls catalog number 6012-E554-8E."

### **Specification Section 16107:**

- 1. **Insert** the following new paragraph 2.01, D that reads:
  - "D. Siemens"

## **Specification Section 16216:**

- 1. **Insert** the following new paragraph 2.12, B, 4 that reads:
  - "4. ASCO Power"

## **Specification Section 16921:**

- 1. **Delete** the text in paragraph 1.02, C that reads:
  - "... or GE Energy Industrial Solutions."

**Insert** the following new text into paragraph 1.02, C that reads:

"... GE Energy Industrial Solutions or Siemens."

## B. <u>CONTRACT DRAWINGS:</u>

## 1. Sheet E-8 Control Wiring Diagram:

**Add** Note 3 to the "Notes" section that reads:

"3. Refer to Sheet E-28, Detail 12 for transmitter mounting requirements (typical)."

## 2. Sheet E-9 IEX Control Wiring Diagram:

Add Note 4 to the "Notes" section that reads:

"4. Refer to Sheet E-28, Detail 12 for transmitter mounting requirements (typical)."

## C. <u>RESPONSES TO BIDDERS:</u>

- 1. Revere Control, RFI dated March 16, 2016:
  - Comment No. 1: Addendum 3 section 16121 paragraph 2.01, A, stated the "number of fibers: twelve (12)". Addendum 3 also added fiber optic table 16121-1 for FPP-1 & 2. Drawing I-5 indicates there are 5 fiber optic cables connected to FPP-1, however, table 16121-1 only reflects 24 pairs (48 terminations) versus 30 pairs (60 terminations) based on the earlier statement there are to be 12 fibers per fiber optic cable.
  - Response No. 1: Drawing I-5 shows only active fiber pairs. The five fibers shown on Drawing I-5 connected to FPP-1 are active fiber pairs. There are four separate fiber runs from the field to FPP-1. Each fiber run includes six pairs. Therefore, there are a total of 24 fiber terminations to FPP-1 from the field.

- Comment No. 2: Likewise, FPP-2 indicates 2 fiber optic cables however table 16121-1 only reflects 6 pairs (12 terminations) versus 12 pairs (24 terminations). Please advise.
- Response No. 2: There are two active pairs in a single cable running between FPP-1 and FPP-2. The remaining four pairs are spares as shown in Table 16121-1.
- Comment No. 3: Addendum 3 revised drawing E-24 GST 1-2, note 2 states, "...existing LIT shall be mounted in new enclosure as shown." Please advise the drawing for the referenced new enclosure and confirm the existing LIT is NEMA4X rated.
- Response No. 3: Transmitters shall be installed per Sheet E-28, Detail 12 Transmitter Mounting Detail. The existing LIT is a Siemens MultiRanger 200. Refer to attached Photos -1 & 2 which shows the existing AIT and LIT, issued as part of this addendum.
- Comment No. 4: Addendum 3 revised drawing I-2, references note 4 for GST no. 1 & 2 stating "typical of eight (8) level probes per storage tank to be replaced and used for backup operation and high service cutout/restore." Revised drawing E-24 GST 1-1, note 1 states, "...install new set of electrodes (8 total) in existing stilling well." Please furnish a specification and/or details of the existing LIT for the level probes with which they are to work in conjunction.
- Response No. 4: There is not an existing LIT for the probes. The new probes shall be wired from the GST's to the backup relay logic in PCP-1 to operate with induction relays as shown on Sheet I-6 in Addendum No. 3. The new probes shall be as manufactured by B/W Controls. Refer to Specification Section 13310 changes above for requirements of the B/W Controls probes and accessories, issued as part of this addendum.



Photo – 1: Existing AIT (left) and LIT (right)



Photo – 2: Existing LIT (to be relocated per E-24)

END OF ADDENDUM No. 4