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*Working together to
protect public health,
conserve our natural
resources, and create
long-term value for our
ratepayers.*

ADDENDUM NO. 2

TO THE BID DOCUMENTS

**CCUA BID NO. 19/20-A9 Fleming Island Wastewater Treatment Facility, BTU No. 3 Expansion
CLAY COUNTY UTILITY AUTHORITY MIDDLEBURG, FLORIDA**

October 8, 2020

To All Plan Holders and/or Prospective Bidders:

The following changes, additions, and/or deletions are hereby made part of the Contract documents for the Fleming Island Wastewater Treatment Facility, BTU No. 3 Expansion as fully and completely as if the same were fully set forth therein:

A. Division 0 – Bidding and Contract Requirements

1. Section 00430, Trench Safety Affidavit

DELETE the first two pages of this Section with the footer “February 2020”.

B. Division 1 – General Requirements

1. Section 01101, Special Procedures for Maintenance of Plant Operations and Sequence of Construction

ADD Paragraph 1.4C4 in its entirety with the following.

4. **Draining and cleaning of BTU No. 1 will not need to be completed prior to establishing substantial completion but shall be complete prior to establishing final completion.**

2. Section 01300, Submittals

ADD Paragraph 1.1B in its entirety with the following.

- B. All submittals are to be submitted within sixty (60) days after the date when the Contract Times commence to run.**

C. Division 2 – Site Work

1. Section 02215, Tank Cleaning and Sludge/Grit Removal

ADD Paragraph 1.01F in its entirety with the following:

- F. The Contractor shall be responsible for maintaining the groundwater level below the lowest point of the bottom slab of BTU No. 1 based on record drawings (approximately EL 18.35) while performing work that requires BTU No. 1 to be drained.**

D. Division 5 – Metals

1. Section 05513, Metal Grating Stairs

DELETE Paragraph 1.5A and REPLACE with the following:

- A. Not Used.**

E. Division 11 – Equipment

1. Section 11286, Stainless Steel Gates

DELETE Paragraph 1.9C in its entirety.

2. Section 11378, Biological Treatment Unit Equipment

REPLACE “twenty (20)” with “ten (10)” in Paragraph 1.3E2.

F. Division 13 – Special Construction

1. Section 13231, Wire and Strand Wrapped Prestressed Concrete Tank

DELETE Paragraph 2.2A in its entirety and REPLACE with the following.

- 1. Linear pressing of the straight walls may be achieved by the application of high-strength, seven-wire, low relaxation strand or method that achieves equivalent pre-stressing.**

G. Division 15 – Mechanical

1. Section 15108, Process Valves

ADD Paragraph 2.7 in its entirety and REPLACE with the following.

2.7 GENERAL-DUTY GATE VALVES - SMALLER THAN 3 INCHES

A. Manufacturers:

1. Mueller Co; J&S Valve; M&H/Clow Valve; American Flow Control; American AVK Company
2. Substitutions: Not permitted.
3. Furnish materials according to CCUA Materials Manual.

B. 2 Inches and Smaller:

1. Wastewater service
2. Comply with MSS SP-80, Class 150.
3. Maximum Process Fluid Temperature: 86 deg. F.
4. Body and Trim: Bronze, ASTM B62.
5. Gates: Type 304 stainless steel
6. Bonnet: Threaded Union.
7. Operation: Handwheel.
8. Inside screw.
9. Wedge Disc:
 - a. Type: Solid or Split.
 - b. Bronze, ASTM B62.
10. End Connections: Screwed soldered or threaded.

C. 2-1/2 Inches to 3 Inches:

1. Wastewater service
2. Comply with MSS SP-70, Class 125.
3. Maximum Fluid Temperature: 86 deg. F.
4. Stem: Nonrising.
5. Body: ASTM A126, cast iron or bronze
6. Gates: Type 304 stainless steel
7. Trim: Bronze, ASTM B62.
8. Bonnet: Bolted.
9. Handwheel, OS&Y.
10. Wedge Disc: Solid, with bronze seat rings.

11. **End Connections:**

- a. **Type: Flanged.**
- b. **Comply with ASME B16.1, B16.5, B16.42, as applicable.**

D. **Finishes:**

1. **As specified in Section 400551 - Common Requirements for Process Valves.**
2. **Interior ferrous surfaces: AWWA C550, Epoxy, 4-mil minimum thickness**

H. Drawings

1. CD-3, CIVIL DETAILS III

REPLACE "VALVE SUPPORT BRACKET (SEE NOTE #4)" with "VALVE SUPPORT BRACKET (ONLY REQUIRED FOR ASSEMBLIES THAT INCLUDE OFF-SET PIPING)" in Detail A.

2. CD-3, CIVIL DETAILS III

REPLACE "VALVE (SEE NOTE #5)" with "PROVIDE A GATE VALVE (WHEEL OPERATOR) OR PLUG VALVE (LEVER ARM OPERATOR)" in Detail A.

I. Written questions received and responses:

Addendum No. 2 includes the responses to the questions received by the Bid Question Deadline, Friday, October 2, 2020.

1. REF: Section 01060, Par. 1.4.D – Says the contractor shall secure any local building permits. Will the permit cost be waived? If contractor is responsible for the cost, can the owner publish what that cost will be or issue instructions for determining the correct permit cost?

Response: The permit cost will not be waived. The Contractor shall be responsible for the cost of any permits required by Clay County. The website for Clay County permitting is below.

<https://www.claycountygov.com/departments/building/permitting>

2. REF: Section 02215 – Since the quantity is not quantifiable by the bidding contractors can the cost for removing the settled grit/debris/solids and sludge from the existing BTU #1 be incorporated into the future change order for the tank repair work? If not, can the engineer pre-establish a quantity so that all bidders are bidding on the same amount of materials?

Response: Quantities of grit/debris/ solids and sludge in BTU No. 1 is unknown at this time, however, the Contractor shall assume an anticipated amount of 150 cubic yards of grit/debris/solids in the base bid price. Also, a unit price per cubic yards of grit/debris/solids and sludge that exceeds and will be removed above the 150 cubic yards included in the base bid and disposed of from BTU No. 1 shall be provided.

3. Section 00430 – Confirm the Trench Safety Affidavit is required with the bid.

Response: The Trench Safety Affidavit is required with the bid.

4. Section 01101, Par. 1.4.C – Will completing Basin #1 tank draining, cleaning, gate replacement, structural evaluation and bringing the tank back on line be a requirement for substantial and final completion?

Response: Completion of Basin No. 1 tank draining, cleaning, gate replacement and structural evaluation will be required for final completion. Draining and cleaning of BTU No. 1 will not need to be completed prior to establishing substantial completion.

5. REF: Section 02215, Par.1.01.D – What will be the contractor's responsibility if the groundwater is not below el. 18.35? How far below el. 18.35 will the groundwater need to remain before the owner begins draining the tank? Will the contractor be responsible for keeping the groundwater lowered while the tank is drained, during residuals removal, structural inspection, gate replacement and re-seeding?

Response: The Contractor shall be responsible for maintaining an elevation below the lowest point of the bottom slab of BTU No. 1 (approximately 18.35) and maintaining the groundwater below that elevation while performing work that requires BTU No. 1 to be drained.

6. REF: Meskel & Associates Geotechnical Report – It appears that the groundwater elevation was not able to be determined due to ongoing dewatering activities at the time of recording. Meskel recommended that they return to do a re-measure after the temporary dewatering operation was terminated? Was this ever done?

Response: Test pits were performed after the temporary dewatering operation was terminated, which is reflected in the geotechnical report.

7. Drawing M-8 shows the north end semi-circle radius to be 50'-1" and the south end semi-circle radius to be 50'-4". Based on the inside width of 100'-8", it appears the radius of the outside walls should be 50'-4". Please confirm.

Response: Refer to updated dimensions issued in Addendum No. 1.

8. Section 5.3.3 the geotechnical report in Appendix A recommends designing buried structures for uplift assuming the groundwater level is at the existing ground surface elevation. Section 13231, Paragraph 2.2.B.7 notes the tank design is based on groundwater below the bottom of the BTU tank slab. Please confirm the BTU tank does not need to be designed for hydrostatic uplift (groundwater, flood, etc.).

Response: The structure shall be designed with the understanding that the tank will not be drained unless it has been verified that groundwater is below the bottom of the BTU tank slab.

9. Section 13231, Paragraph 2.2.D.1 notes the straight walls "may" be prestressed using prestressed strand. Please confirm the straight walls must be pre-stressed with strand, to induce shrinkage prior to casting the tank floor and horizontally prestressing the circular end walls.

Response: The straight walls will need to be prestressed. Section 13121 "Wire and Strand Wrapped Prestressed Concrete Tank" has been updated.

10. Paragraph 05513, section 1.5.A discusses delegated design services as it relates to the BTU stairs. Do the stairs require a delegated design engineering service?

Response: The stairs do not require delegated design. Section 05513 "Metal Grating Stairs" has been updated.

11. Drawing M-8 notes concrete skirts under the splash cover at two locations – the west side of Aerator 3A and the west side of Aerator 3C. Are concrete skirts required on under the north splash cover? If so, are they required on the east side, west side, or both of Aerator 3B?

Response: Concrete skirts are to be in the two locations shown on the Drawings.

12. If sand, grit, sludge removal is needed for BTU No. 1 do you have an estimate on the amount of material that will need to be removed? Will the material have to be hauled off site? Is there an approximate time frame on when that work would need to be done?

Response: An estimate of the amount of material to be removed from BTU No. 1 was issued in Addendum No. 1. The Contractor is responsible for disposal of the material as stated in Section 02215 "Tank Cleaning and Sludge/Grit Removal". The work will need to be completed once BTU No. 3 is operational as stated in Section 01101 "Special Procedures for Maintenance of Plant Operations and Sequence of Construction".

13. Article 18 states bids will remain open for “the period of time as stated in the Bid Form.” This information doesn’t seem to be included in the Bid Form. Please provide.

Response: Per Section 00020 “Request for Bids”, bids require a five percent (5%) Bid Security in the form of a certified check or bank money order or a Bid Bond and may not be withdrawn after the scheduled opening time for a period of sixty (60) days.

It is CCUA’s intention to recommend award of the contract upon opening of the bids, certification of required documents and board approval.

14. The bid documents contain two (2) copies of the Trench Safety Affidavit Section 00430, two pages for each copy. One is dated February 2020 and the other is dated September 2020. Please confirm the two pages dated February 2020 for Section 00430 can be deleted.

Response: The Trench Safety Affidavit, Section 00430 dated September 2020 is to be submitted with the bid.

15. Section 11286, 1.9.C calls for products in this section to comply with American Iron and Steel provisions of the Contract. Confirm AIS provisions are not required for this project.

Response: American Iron and Steel provisions are not required for this project.

16. Detail A/CD-3 indicates a valve support bracket for the air valve assembly. Support is indicated to adhere to Note 4. No Note 4 is given in the Detail. Please provide specifications for the support.

Response: Detail A will be modified in this addendum.

17. Detail A/CD-3 indicates a valve between an air valve assembly and 2in SST ball valve. Valve is indicated to adhere to Note 5. No Note 5 is given in the Detail. Please provide specifications regarding the indicated valve.

Response: Detail A will be modified in this addendum.

18. Question received highlighting the response to Question 18 in Addendum No. 1: Section 11286, Par. 2.2.D.: The guides are listed as “weighing a minimum of 3 lbs per foot”. This seems very light for stainless steel construction. Is this supposed to be “13 lbs per foot.” A weight of 13 lbs per foot is our standard for wall mounted guides.

Response: The guides within Section 11286 “Stainless Steel Gates” will not be updated.

End of Addendum No. 2