

ADDENDUM NO. 2
MIDDLESEX COUNTY UTILITIES AUTHORITY
CONTRACT 21-6-6(AC)
CLOTH MEDIA FILTRATION SYSTEM UPGRADES

May 2, 2022

Addendum No. 2 includes changes to the Contract Document as indicated below. The Bidder shall acknowledge receipt of this Addendum No. 2 in Exhibit C-4 of the Contract Documents.

A. GENERAL

The Bidder shall make the following changes and additions to the Bid Documents. The date and time for receipt of bids is changed to May 12, 2022 at 11:00a.m. The place for receipt of bids remains unchanged.

The Authority has extended the time for pre-bid site inspections. The Bidder will be allowed a pre-bid site inspection if requested with advance notice to the Owner as indicated in this Addendum.

B. CHANGES AND CLARIFICATIONS TO THE CONTRACT DOCUMENTS

The Contract Document has been amended as follows:

1. Notice to Bidders, first paragraph – **DELETE** “May 10, 2022” and **REPLACE** with “May 12, 2022”.
2. Section III. BID SUBMISSION DATE AND DELIVERY REQUIREMENTS – **DELETE** “Bids must be received by the Authority by no later than 11:00 a.m. on May 10, 2022” and **REPLACE** with “Bids must be received by the Authority by no later than 11:00 a.m. on May 12, 2022.”
3. Section VIII. PRE-BID SITE INSPECTION – **DELETE** “If requested by Bidders, a Site Inspection may be permitted by the Authority at its discretion and if so, the Authority will provide Bidders with information on the time and date for such Site Inspection. Site inspections will not be offered for this bid after 4:00 pm, April 21, 2022.”

and **REPLACE with** “If requested by Bidders, a Site Inspection may be permitted by the Authority at its discretion and if so, the Authority will provide Bidders with information on the time and date for such Site Inspection. Any request for site inspections must be made at least two (2) working days in advance of the requested day for the site inspection. ”

4. Section 01010 Summary of Work
 - Paragraph 1.2.A.4 – **DELETE** “two (2) 6-inch blind flanges” and **REPLACE** with “four (4) 6-inch blind flanges”.

- Paragraph 1.2.A.8 – **DELETE** “two (2) 8-inch Owner-furnished check valves” and **REPLACE** with “two (2) 10-inch Owner-furnished check valves”.
5. Section 01640 Demolition and Reconstruction
 - Paragraph 1.4.B.5 – **DELETE** “8-inch Service Water check valves” and **REPLACE** with “10-inch Service Water check valves”.
 6. Section 13200 Cloth Media Filtration System Upgrades
 - Paragraph 1.1.A.4 – **DELETE** “two (2) 6-inch blind flanges” and **REPLACE** with “four (4) 6-inch blind flanges”.
 - Paragraph 2.2.F – **DELETE** “Quantity 2” and **REPLACE** with “Quantity 4”.
 7. Sheet 2
 - Note 7 – **INSERT** the following at the end of Note 7: “Filter Control Panel shall have its own run of CAT-6 cable and conduit.”
 8. Sheet 3
 - Note 1 - **DELETE** “8-inch check valve” and **REPLACE** with “10-inch check valve”.

C. RESPONSE TO QUESTIONS AND COMMENTS

1. **QUESTION:** Is the existing masonry opening a size which will accommodate the proposed replacement door? Will the existing opening need to be enlarged?

RESPONSE: The proposed replacement door, frame and transom shall fit within the existing masonry opening.

2. **QUESTION:** Is there clear access to the door which is to be replaced? Are there any existing conditions which would impede this work? Are there stairs leading up to these doors?

RESPONSE: There is a concrete pad and overhang. The limits of the concrete pad and approximate location of two (2) pole supports for the overhang are depicted on Sheet No. 2.

3. **QUESTION:** What is the size of the check valve to be replaced, on place sheet #3 it is called out as 10" near the valve and in note #1 it is specified as 8". Please clarify. What is the length of the existing valve? What is the length of the valves being supplied by the Authority? Is the hardware for the valve replacement supplied by the Authority?

RESPONSE: The size of the check valves is 10-inch. The laying length of the existing valves is approximately 25 1/8". The laying length of the Owner-furnished valves is approximately 24 1/2". These dimensions shall be field verified by the Contractor. Per Note 1 on Sheet 3, the Contractor shall furnish filler flanges and associated hardware for the new valves.

4. **QUESTION:** What are the dimensions of the existing Pulsafeeder Pulse 680 pump which is to be replaced? What is it mounted to? What are the size and types of lines which will be connected to the new specified pump? Will the new Eclipse E02 pump fit in the existing space without the need to relocate the adjacent pump?

RESPONSE: The existing Pulsafeeder Pulse 680 is comparable in size to the Eclipse E02. Both metering pumps are mounted on a single elevated segment of FRP grating. It is not anticipated that the adjacent pump would need to be relocated. In accordance with Note 2 on Sheet 2, the new pump shall be connected to the existing process tubing, electrical, power and control wiring as necessary for a complete and fully operational pumping system.

5. **QUESTION:** What is the existing Network Cabinet mounted to? What is the intended route of the conduit(s) from the Filter Control Panel to the Network Cabinet? What is the size of the required conduit? Is a separate conduit required for each CAT-6 cable or can they occupy the same conduit?

RESPONSE: The Network Cabinet is wall-mounted. Conduit shall be routed in the shortest route possible, following a similar route of existing power wiring from the Filter Control Panel(s) to the Electrical Panel. To clarify Note 7 on Sheet 2, each Filter Control Panel shall have its own run of CAT-6 cable and conduit.

6. **QUESTION:** Can a detail/plan be provided of the existing air piping which will not be repurposed for control/power wiring? This is necessary to determine the extent (cost) of the required demolition work. What is the size of this existing air piping? Can additional information be supplied regarding the compressor which is to be turned over to the Authority?

RESPONSE: The existing air piping runs from the compressor to the header located in the existing Filter Control Panel will be demolished. The air piping from the header to the individual valves will be retained and re-used. Air piping diameter is approximately 1-1/4". This size piping is typically not shown on contract drawings.

7. **QUESTION:** The 10-inch line which is to receive the flow meter is approximately 7 feet above the floor. Is this line supported from above with hangers or from below with pipe supports? Is there adequate support to allow the pipe to be removed without additional temporary support being introduced?

RESPONSE: The 10-inch line is supported from below with wall mounted pipe supports. The Contractor shall make their own determination during construction if additional temporary supports are necessary.

8. **QUESTION:** When reviewing plan sheets #2 & #3 it is not evident if there is adequate space to install the required 6-inch blind flange, on plan sheet #3 section A3 it appears that a existing pipe connects at the location of the proposed blind flanges. Please clarify.

RESPONSE: The existing 6-inch valve at this location shall be removed and both

flange connections (at the filter port and the adjacent drain piping) shall be blind flanged.

9. **QUESTION:** Plan sheet#3 depicts the area on the discharge side of the filter as not having grating. On sheet #2 ,in the upper level plan, there appears to be grating. Please clarify.

RESPONSE: There is grating on the discharge side of the filters as indicated on Sheet 2, with stairs to cross over the 16-inch FFE piping. This portion of grating is not depicted on Sheet 3.

10. **QUESTION:** Plan sheet #2 clearly delineates the location of the double door (which is to be replaced). This entry seems to lead into two rectangular spaces without any exits. How does a person access the grating area surrounding the filters? How do you gain access to the stair well leading to the lower level? Are there any other entrances to the building other than the double door shown on the plans?

RESPONSE: The double doors lead into a single electrical room where the MCC and Network Cabinet are depicted. In the northwest corner of this room is access to the stairwell leading to the lower level as depicted on Sheet 2. Access to the upper level grating area around the filters is through a double door on the east wall of the electrical room. For reference, the track for the 5-ton Monorail runs through the center of the doors. Additionally, there is a 12'H x 11'W rollup door on the south wall of the pump station (near the east corner).

11. **QUESTION:** In the General Specifications section 11.a.iv "ammonia" there is a discussion of specific work hour for certain areas of the plant. Is any work contemplated on this contract that would be impacted by any special work hours or restrictions?

RESPONSE: In accordance with Section 01010, paragraph 1.3.B, working hours on the project site are between 7:00am and 3:30pm Monday through Friday. The Contractor shall not be permitted to perform work outside the working hours, weekends, or holidays without written express approval from the Owner.

END OF ADDENDUM NO. 2