

QUESTIONS FROM BIDDERS
WATER TREATMENT PLANT REHABILITATION & EXPANSION TO 37 MGD - PHASE I
FOR
CITY OF CARTERSVILLE, GEORGIA

W&S Project No. 027-23-120

Updated: 10/23/2024

Bid Date: THURSDAY, NOVEMBER 7, 2024 @ 2:00 PM

Question #	Question	Answer
1	What is the Engineer's estimate for this project	\$55,000,000 Dollars
2	Will there be a scheduled prebid and/or site visit? Or should we schedule that through you?	There will not be any prebid meetings or site visits. Please schedule all site visits with the WTP superintendent, Daniel Duke, at 404-821-6637 or email at dduke@cityofcartersville.org.
3	Can you confirm if the SS Slide gates are supposed to have electric actuators?	The slide gates will require manual hand cranks. This will be clarified by Addendum No.1
4	The specification calls for a single NEMA 4x Enclosure with VFD's and PLC/HMI. During design phase we offered to place the larger 100HP VFD's in separate enclosures from the PLC/HMI panel. This would be much more cost effective than putting them all in 1 panel. In addition, you mentioned that these pumps may be put on RVSS's as opposed to VFD's. Can you confirm which way you would like us to go?	The starters for these pumps will be changed to soft starters. This will be clarified by Addendum No.2
5	The drawings on the plant drain station show 3 pumps at 40 HP (I.12.01, E.12.02) but the specification (43 21 39) calls for (2) 125 HP and (1) 10 HP pumps for this pump station, please confirm the specification is the correct HP rating?	This will be clarified by Addendum No.2
6	The mechanical dwg's show the basin influent pipe as 20" whereas the instrumentation dwg's show these pipes as 24". Which is correct? (refer to M.04-M.06, I.04-1.06)	The sizes of the influent pipes to basins No.1 to No.8 are 20" as shown on M.04.02, M.05.03, and M.05.04. The sizes of the influent pipes to Basins No.9, No.10, and No.11 are 24" pipes. The P&ID drawings will be updated by Addendum No.1
7	Please confirm that the 20" flocc basin inf flow control valve is a butterfly valve. (refer to M.04.05)	Yes, that is correct. The basins influent valve is a butterfly valve.
8	The mechanical dwg's show one (1) valve on the new 20" flocc basin inf line whereas the instrument PI&D's show one (1) manual valve & one (1) motor actuated valve. We see what appears to be an existing buried valve on dwg C4.01 but these valves are not shown on the mechanical dwg's and they appear to be noted for demolition on dwg C.200. Which is correct? (refer to M.04.05/I.04)	The C and M sheets are correct. The existing manual valves are to be removed as shown on the site demolition plans (C.2.01-C.2.03). The P&ID drawings will be updated by Addendum No.1.
9	We find no pipe schedule in the contract documents. Will one be issued? If not, is it correct that all pipe materials will be ductile iron unless otherwise noted on the plans?	A pipe schedule will not be issued. Yes, all pipes are ductile iron unless noted otherwise.
10	The bottom plan for basins 1-3 appears to show new upward pointing buried MJ fittings on the existing 12" PD line at the west end of the overflow chambers but no details are provided. Is this correct? If so, please provide a detail on the requirements. (refer to M.04.02)	No, that is not correct. Those tees are existing and are incorrectly shown as new. This will be clarified by Addendum No.1.
11	The 12" drain plug valves are shown with only a 2" oper. nut. Are extension stems and floor boxes for access from the top level required similar to basin 9? (refer to M.04 & M.05 series)	Extension stems, and floor valve boxes are required for access to the operate the drain valves from the top of basins. This will be clarified by Addendum No.1.
12	Should a sleeve and link seal be installed at the extended bonnet for the 4" plug valve? (refer to M04.06)	No. There is a grating opening in the top slab at the valve locations. See the top plan on M.04.04.
13	With no pipe schedule, are the plant drains, sed/flocc drain, & filter drain etc. to be considered gravity sewer with P401 lining or are they cement lined?	All ductile iron pipes on this project shall be cement-lined. Protective lining (P401) is not required for this project.
14	Dwg M06.03 indicates the influent pipe is 20" whereas dwg M06.05 indicates it is 24". Which is correct?	The size of the influent pipe to Basin No.9 is 24". This will be clarified by Addendum No.1.
15	We find no call outs for the size of the pipe for the small pump in the pump station. What size is the small pump station drain pump piping? (refer to M12 series)	The discharge piping for the small pump (P-3) is 4". This will be clarified by Addendum No.2.
16	With the unclear drawings, please confirm the extent of the new pipe is from the pump discharge to the existing pipe flange just above EL. 757.00 as shown on dwg M12.03 Section A.	The new pipe should extend to the existing buried piping. This will be clarified by Addendum No.2.
17	Is the discharge pipe from the pump station to be P401 lined? (refer to M12 series)	No.
18	Are the existing openings in the pump station top to be re-used for the new pipe or must the top be core drilled and link seals installed? (refer to M12 series)	The whole top slab at this pump station is new and openings are to be coordinate with the new pumps layout and piping.
19	Dwg I09.02 appears to require a new highservice pump & equip, however there are no mechanical dwg's for this work. Will drawings be issued for this work?	No. High Service Pump No.5 (HSP-5) will be installed in the future as part of a separate project.

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20	The sed/flocc basin dwg's show 3EA 12" plant drain wall pipes/plug valves whereas dwg I.14.01 & .02 call for these pipes/valves to be 8" and shows 4EA valves. Which is correct? (refer to M14 series)	The M drawings are correct. There are three (3) 12" drain valves for each of basins 10 & 11. This will be clarified by Addendum No.1.
21	The yard pipe dwg's and the M14 series dwg's show 48" SW from new basins 10 & 11 to the new filter bldg 11-16, whereas dwg's I.14.01 & 02 show this pipeline as 30" SW W/A buried valve. Which is correct?	The C and M drawings are correct. This will be clarified by Addendum No.1.
22	Site dwg. C4.02 shows the new 36" SW going from basin 9 to the new filter bldg 11-16. However, I.06.01 shows a branch line off of this line going to filter bldg 1-10. This branch is not shown on C4.02. Which is correct?	Drawing C.4.02 is correct. There is a new 36" SW line connecting basin No.9 (Area 6) to the new filter building (Area 15) settled water flume. There is also an existing 30" SW line connecting basin 9 (Area 6) to the existing basins 4-8 (Area 5) settled water flume which feed the influent pipes of Filters 1-10 (Area 7).
23	Drawing M15.08: There appears to be a pipeline just beyond the 4" dip drain line running to the sump pit that is partially cast into the floor slab. There are no callouts for this pipe, and we do not find it called out on any other drawing. What are the requirements for this pipeline?	There is only one 4" pipe under the base slab, and it is for the floor drains. This will be clarified by Addendum No.2.
24	Drawing M99.03: Is it correct that particular counters are required on all filters, new & existing?	Yes, that is correct. There needs to be a new particle counter at each filter (new and existing).
25	Drawings C4.01/C4.02/M6.01/6.02: The civil dwg's show the new 12" pd from basin 9 connecting to a new doghouse mh, whereas the mechanical dwg's show this line connecting to the existing using a wye bend. Which is correct?	The civil drawings are correct. The basin 9 drain connects to existing piping via dog-house manhole. This will be clarified by Addendum No.1
26	The bid form Section II, Item#7 references spec section 40 05 64 which are the butterfly valves. Should this bid item reference 40 05 57.23, which is for the electric actuators, which is the item described in the bid item?	Yes. Bid Form Section II Item No.7 should reference Specs Section 40 05 57.23 which is for electric actuators.
27	Are there any BABA, AIS requirements on this project?	No.
28	Are any Davis-Bacon requirements on this project?	No.
29	In Specification Section 33 11 13 Ductile Iron Pipe and Fittings Paragraph 2.1.B.1states that the pipe should be manufactured in the United States. Are there any domestic requirements on this project or does this requirement on pertain to the ductile iron pipe for this project?	There are not domestic requirements for this project. This will be clarified by Addendum No.1
30	Can you please provide a specification for 41 22 23 Hoisting Equipment?	Yes. This Specs Section will be added by Addendum No.1
31	Please confirm if the contractor is supposed to include sales tax for the items listed in Appendix B,C,D,E,F,G in the base bid of the project or if all applicable sales tax is captured in those values listed on the bid form.	No, the Contractor does not need to add sales tax for items listed in appendixes C, D, E F, or G. Appendix B is for the Generators and Medium Voltage Switchgear, which will be Owner furnished equipment to be installed by the Contractor.
32	Please confirm that there is no item #11 on Section IV of the bid form.	Yes.
33	Please confirm that the Sub-Total for Section V of the bid form is to capture items #1-8.	Yes, that is correct.
34	Is there a master valve and actuator schedule you could share for bidding purposes?	No, a valve and actuator schedule has not been developed for this project.
35	For the expansion for Filter #10, we are supposed to install a new 4" floor ductile iron floor drain line. On page M.07.08 the existing note indicates this line as flanged pipe, is this correct?	No, the piping under the slab should be 4" ductile iron pipe with M.J. fittings.
36	For Area 15 the new 4" floor ductile iron floor drain line is indicated as flanged pipe, is this correct?	No, the piping under the slab should be 4" ductile iron pipe with M.J. fittings.
37	On page M.06.03 – please confirm the inlet piping is supposed to be 24" and not 20".	Yes, the influent pipe to Basin No.9 is 24" and not 20". This will be clarified by Addendum No.1
38	For Filter #10-page M.07.02, the drawing shows a 20" Influent Butterfly Valve w/ Actuator. For Area 15 "New Filter Building page M.15.06 calls out the influent as a 20" Rate of Flow Controller & BFV w/ Electric Actuator, is this correct? Specification Section 40 91 00 Rate of Flow Controller does not mention a device for the influent. Should this be priced as a new 20" Influent Butterfly Valve w/ Actuator?	The influent valve for all filters should be a butterfly valve with electric actuator. The filter influent valves are not rate of flow controllers.
39	Can Halliday products be an approved alternative to Bilco Access Hatches?	Yes. This Specs Section will be added by Addendum No.1

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40	Floc & Sed Basins 1-3, 4-8, 9 does not mention some type of curb system for the sludge removal equipment. However, on page M.14.02 for Floc & Sed Basins 10 & 11 there is a call out for a 8" concrete curb or stainless steel sludge collector guide. After reading the proposal for the sludge removal equipment, there is no mention of them providing a curbing system for installation. Can you confirm if the contractor is to form a curb in all Floc & Sed basins or is MRI providing a stainless-steel guide? If you the contractor is supposed to form a curb, can you please provide a detail?	A concrete curb will be required by the contractor. Details for the concrete curb will be provided in Addendum No.2.
41	At the Plant Drain Pump station on page M.12.02 – Section 3 M-Bottom Plan shows some of the yard piping to the right of the structure as proposed pipe. Please confirm that this pipe is existing and not proposed.	Yes. The yard piping outside the structure is existing. This will be clarified by Addendum No.1
42	At the Plant Drain Pump station on page M.12.02 – Section 1 M-Top Plant – Please confirm the size diameter of the middle pipe train and valves.	This will be clarified by Addendum No.2
43	40 91 00, Part 2, 2.1, D. Tube Design. The specified 3.0" sealed diaphragm sensors are only available on venturi lines sizes of 16" and larger. For 14" venturi meters and below 2.0" sealed diaphragm sensors is largest they can accommodate. Will you allow 2.0" sealed diaphragm sensors in lieu of 3.0" for these 14" venturi rate-of-flow controllers?	Yes. This will be clarified by Addendum No.1
44	40 91 00, Part 2, 2.1, D. Tube Design. "The Venturi shall be provided AWWA type 125 pound flanged ends unless otherwise specified for connection of a 16" ductile iron pipe spool. The spool will be installed with an air release valve located on top of the pipe" Could you please clarify 16" ductile iron pipe spool? I did not see this on the plan drawings.	This will be clarified by Addendum No.1
45	40 91 00, Part 2, 2.1, G. Testing. Since the specified accuracy for these venturi rate-of-flow controllers is +/- 0.50% (40 91 00, Part 2, 2.1, C. Performance) only one of each of the filter effluent and backwash venturis need be lab calibrated (+/- 0.25%) mimicking the upstream piping conditions in order to meet the specified +/- 0.50% for the remaining. We can still lab calibrate all of them, but I just wanted to make aware that it is not needed to meet the performance requirement.	Noted. This will be clarified by Addendum No.1
NOTES:	1. Company Names and Trade Names have been removed from the questions. The answers contain trade names only to refer to existing installations. These inclusions do not represent an endorsement of the product or the company. 2. Questions from sales representatives have been edited where appropriate for brevity. 3. Questions from General Contractors have been left untouched. 4. Significant Changes in answers previously posted are marked in red.	