

Addendum No. 1
MOGUL BOOSTER PUMP STATION
PWP Bid No.: WA-2017-231
TMWA Capital Project No.: 13-0022
August 9, 2017

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect.

Please note, the date and time for receipt of bids remains 3:00 P.M. on August 16, 2017.

The Contract Documents are hereby revised and clarified as follows:

Plans:

1. Mechanical Plan Sheets M100 and M101 have been revised. Please see attached revised drawings. Note the revision consists of deletion of the Surgebuster® check valve and associated pipe fittings.
2. Structural Plan Sheet S100 has been revised. Please see revised Sheet S100.
3. Electrical Plan Sheets E003 and E101 have been revised. Please see attached revised drawings.

Specifications:

1. Specification Section 15100, page 15100-4, delete paragraph 2.4.E. The Surgebuster® check valve has been eliminated from the project.

QUESTIONS AND RESPONSES

Question No. 1: We received a question about the conduit on this project. The conduit and cable schedule on sheet E001 indicates to install 'RMC/RMC-PVC' conduit. The drawings actually have pictures of the pump room itself, and there seems to be all 'EMT' conduit installed currently. The drawings have notes to intercept some conduits and/or reroute. Not all existing conduits are to be removed or relocated. Seems like this small area will have a combination of 'EMT and RMC/RMC-PVC' conduit. Just want to verify that this is the intended and preferred conduit choice, or should we continue with 'EMT' as is existing currently. Please advise when you get a chance, so we can take-off the proper material required.

Response to Question No. 1:

1. All conduits for electrical panels, process equipment and pumps shall be RMC/RMC-PVC.
2. Provide EMT conduits for existing equipment connected with EMT conduits that are relocated or intercepted.

Question No. 2: The symbols used for an RFA (item#10 M101) and an RFCA (item #13 M101) appear to make them different. Please provide a clarification. Section 2.11 states RFAs to be Ebaa 2100 Megaflange or equal. There is no spec for RFCAs.

Response to Question No. 2:

Restrained Flange Adapters shall be a short laying length flange adapter, EBAA Iron Megaflange 1000, Ford Uniflange 400, or equal. Restrained Flange Coupling Adapters shall be a longer body adapter that will allow up to 5° deflection, and shall be a EBAA Iron Megaflange Series 2100, Romac RFCA, or equal.

Question No. 3: The M sheets show a French drain on the north and west side of the building that appear to run to daylight. What is the distance to daylight for each of these?

Response to Question No. 3:

The approximate distance to daylight is 10 feet past the edge of the building, on both the north and the west sides.

Question No. 4: Per drawings D/M100 there is an item #31 Pressure Transducer off of the suction header that will be mounted on the west wall of the building. Please confirm that this is coming off of item #04 the 8' x 4" DI FLG Tee. Drawings B & C on sheet M100 appear to show another item #31 coming off of the discharge header. Please confirm whether or not there is a second item #31 on the discharge header.

Response to Question No. 4:

Two pressure transducers are required, one each on the suction and the discharge manifold. The tap location for the suction manifold is shown on the tee, item 04. The tap location for the discharge pressure is on a flange by plain end pipe section number 14.

Question No. 5: Is it implied that item #31 is to be constructed off of detail M102 as well as M103? Please confirm that details M104 & M105 are not used on this project as they are not called out on the mechanical floor plan.

Response to Question No. 5:

Both M102 and M103 apply to the transducer assembly installations. M102 depicts the piping required at the suction or discharge pipe connection, and M103 depicts the wall mounting for the transducer. Detail M104 is a generic buried saddle tap, and is not used on this project. Detail M105 is a saddle tap for a larger service, and would be appropriate underneath the air release valve.

Question No. 6: There is no spec provided for item #17 6" x 3" Rubber Flg Expansion Joint. Please provide one.

Response to Question No. 6:

Rubber reducing expansion joints shall be eccentric reducing joints as follows:

RUBBER ECCENTRIC REDUCER EXPANSION JOINTS

Expansion joints shall be a rubber spool type of a single, open arch design. Joint construction shall consist of an elastomer tube and cover, reinforced with a suitable woven fabric and steel rings support. Tube and cover elastomers shall be selected for potable water use, and shall be NSF 61 certified for potable water applications.

Control units with tie rods of galvanized carbon steel shall be included to prevent overextension of the expansion joints from pressure thrust loads. The number and size of the control rods shall be sufficient for the maximum system test pressure.

Expansion joints shall be manufactured by Flexicraft Industries, Proco Products, Metraflex, , or equal.

ATTACHMENTS

Revised Plan Sheets:

M100
M101
S100
E003
E101

END OF ADDENDUM NO. 1

QUESTION CUT-OFF DATE: AUGUST 10, 2017