

Town of Orange, Connecticut

**PUMP REPLACEMENT - ORANGE TOWN POOL  
HIGH PLAINS COMMUNITY CENTER  
525 ORANGE CENTER ROAD  
BID ADDENDUM NO. 1  
02-19-2020**

**Answers to Bidders' Questions:**

1. In Scope of Work Item 12.5, could the existing main pump remain in this location as a back up pump and the new pump be installed where the existing back up pump is located?

*No. The main pump flow would have 4 additional 90 degree tees and bends in this configuration, which would be less energy efficient for the pump which will run all the time.*

2. Where is the desired mounting location for the new flow meter display?

*The desired mounting location for the new flow meter display (Signet 9900 Transmitter) is adjacent to the VFD.*

3. Will the existing motor starter be considered this pump's disconnect? Or is the town requesting a new disconnect? Should a new disconnect be relocated so it is not in the wet area where the current disconnects are?

*The existing motor starter for the existing backup pump does not include a disconnect. The existing disconnects for both motors are located in a wet area and shall be removed by this project. The VFD for the new main pump includes a disconnect. The VFD for the main pump and the motor starter and disconnect for the backup pump shall be mounted at the location of the pumps. If the existing motor starter is reused for the backup pump, a new disconnect shall be provided. If a new motor starter is provided, it can include a disconnect, or a new separate disconnect can be provided. If new enclosures are required, they shall be NEMA rated as suitable for a wet environment.*

4. In Scope of Work Item 12.3 is it requested that the existing non-functioning pressure gauges and their valves be replaced?

*Yes, please include furnishing and installing 1 replacement pressure gauge and valve in the pump suction pipe, 1 replacement pressure gauge and valve in the pump discharge/filter inlet pipe, and 1 new pressure gauge and valve in the filter outlet pipe in the bid price.*

*Pressure gauges shall be analog, gauge units shall be psi (gauge pressure), minimum dial size of 4", maximum gauge psi approximately 50% higher than normal operating pressure, and the dials shall be faced to be readable from the access aisle adjacent to the pumps. The pump suction line gauge shall be a compound vacuum pressure gauge showing both negative (at least negative 15 psi) and positive psi.*

5. What is the diameter of the piping?

*The existing piping is 6" Schedule 80 PVC.*

6. The Signet field mount transmitter (flow meter display) that the town purchased does not fit into the enclosure and it appears that the transmitter is supposed to be screwed into something.

*The Signet 9900 field mount transmitter is being returned and replaced with the Signet 9900 panel mount transmitter, which will fit into the enclosure (Wall Mount Accessory Kit). The transmitter requires a small 24 V DC power supply. The product manuals indicate that the transmitter has a load of 200 to 300 mA and the flow sensor has a load of 20 mA. Please include providing a 24 V DC power supply in the bid price.*

7. Is VFD commissioning being provided by the manufacturer, as part of the town's purchase?

*Yes, the manufacturer will send a representative to program and commission the VFD. The Contractor shall contact the VFD sales rep for scheduling the VFD commissioning:*

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