

ADDENDUM NO. 2

TO

TOWN OF CHESHIRE, CT

BIDDING AND CONTRACT REQUIREMENTS AND SPECIFICATIONS

FOR

ELMWOOD SEWER PUMP STATION

PUMP REPLACEMENT PROJECT

BID #2324-10

November 1, 2023

PREPARED BY:

**WRIGHT-PIERCE ENGINEERS
169 Main Street, 700 Plaza Middlesex
Middletown, Connecticut 06457**

ADDENDUM NO. 2

TOWN OF CHESHIRE, CT ELMWOOD SEWER PUMP STATION PUMP REPLACEMENT

As a point of clarification, it should be understood that the Contract Documents govern all aspects of the project. Informal discussions held during the Pre-Bid Conference, or over the telephone are informational only. All official changes to the Contract Documents are made only by addenda. The following changes and additional information are hereby made a part of the Contract Documents:

QUESTIONS

1. What material are the pipe supports? *Per the detail on DWG PR-001, Pipe support stanchion is equal to Anvil Figure 63T and Saddle is equal to Anvil Figure 264. Both shall be provided with Anvils standard material and finish, i.e. Zinc Electro Plated Carbon Steel.*
2. Provide clarify references Section 15050 in Section 15062:
 - a. *There are no coating requirements for piping or otherwise. The owner will paint all new piping per General Note 6 on DWG PR-103.*
 - b. *All nuts, bolts and fasteners for pipe shall be carbon steel.*
3. Please clarify the number and material of construction of the pressure gauge assemblies? *Per the detail in PR-001, each pump suction pipe and each pump discharge pipe shall be tapped with a 1/2" brass pipe and ball valve. This work is included in the base bid for Pump 1 and 2 and in Bid Alternate A for Pump 3. Provide one common suction gauge assembly and one common discharge gauge assembly to be used on any one of the pumps as part of the base bid. Additional requirements are as follows:*

GAUGES

A. *General:*

1. *Unless otherwise indicated, gauge assemblies shall be complete with 1/2-inch brass pipe and fittings, 1/2-inch ball valve with bronze body, stainless steel ball, Teflon seats and a tee with a brass test cock with female outlet end all arranged to allow field checking with a 4 1/2-inch test gauge.*
2. *All gauges shall be equipped with snubbers or other protective throttling device(s) to dampen workings and pointer. If a single snubber does not correct pulsing, provide additional snubbers in series.*
3. *All gauges provided are to be from the same manufacturer.*
4. *All gauge assemblies shall be supported by brackets to prevent excessive vibration that will cause damage to the gauge assembly.*
5. *The ranges of the gauges shall be suitable for any range of pressure that can occur during operation.*
 - a. *Suction gauges shall be compound-type, having a range of -15 feet to 0 feet to +30 feet of water.*

- b. *Discharge gauges shall be selected at the nearest standard range which provides a top limit above the pump shutoff head or pump relief valve setting. Discharge gauges shall read in feet of water.*
- B. *Process Liquid Applications:*
 - 1. *Gauges shall be round black case, 4½-inches diameter, 1/2-inch NPT bottom male threaded connections, glycerin filled, stainless steel rack and pinion movement, and black figures with white plastic dials and a threaded ring. Gauges shall have an accuracy of 1/2 percent of scale range.*
 - 2. *All gauge assemblies shall be supported by brackets to prevent excessive vibration that will cause damage to the gauge assembly.*
- C. *Diaphragm Seals*
 - 1. *Gauges shall be provided with factory-mounted protective diaphragm assembly and snubber. Diaphragm assembly shall be cleanout type, which will allow cleaning of the lower diaphragm assembly without breaking the seal or refilling and shall not require recalibration of the gauge.*
 - 2. *The diaphragm shall be 316 stainless steel with a 316 stainless steel housing (process and instrument flanges) and shall be fitted with a bleed screw on the instrument flange, and flushing connection on the process flange. Connecting bolts and nuts shall be 316 SS.*
 - 3. *The diaphragm shall be rated for gauge operating pressure range. Provide a locking plate or lock-wire to prevent turning of the assembly and to maintain the factory calibration.*
- D. *Gauges Assemblies shall be manufactured by:*
 - 1. *Ametek U.S. Gauge Division*
 - 2. *Ashcroft*
 - 3. *Trerice*
 - 4. *or equal.*

**** END OF ADDENDUM NO. 2****