

**TOWN OF SALEM, NEW HAMPSHIRE  
PRESSURE REDUCING VALVE STATIONS  
CONTRACT S2, DWGTF-34**

**ADDENDUM NO. 1**

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To be considered as part of the contract drawings and specifications and all other contract documents for the project referenced above; superseding previously issued Drawings, Specifications, Bidding Requirements, Contract Documents and Addenda, to the extent modified by this Addendum. Bidders are advised that this Addendum must be acknowledged in the appropriate space provided on the Form of General Bid.

**SPECIFICATIONS**

**SECTION A-1 – ADVERTISEMENT FOR BIDS**

1. Page A-1.1, delete the following paragraph in it's entirety;

“Separate sealed BIDS for the construction of the **Southern New Hampshire Regional Water Project – Pressure Reducing Valve Stations, Contract S2, Bid No. 2019-029**, will be received at the at the office of the Purchasing Agent, Town Hall, 33 Geremonty Dr., Salem, New Hampshire, 03079, until **1:30 P.M. local time on Tuesday, September 10, 2019**. BIDS will then be publicly opened and read aloud in the Knightly Meeting Room at Town Hall. Project includes the installation of two pressure reducing valve facilities including building construction, process piping, valves, chemical feed equipment and site work adjacent to New Hampshire Route 28 in Windham and Salem.”

And replace with the following paragraph;

“Separate sealed BIDS for the construction of the **Southern New Hampshire Regional Water Project – Pressure Reducing Valve Stations, Contract S2, Bid No. 2019-029**, will be received at the at the office of the Purchasing Agent, Town Hall, 33 Geremonty Dr., Salem, New Hampshire, 03079, until **1:30 P.M. local time on Tuesday, September 17, 2019**. BIDS will then be publicly opened and read aloud in the Knightly Meeting Room at Town Hall. Project includes the installation of two pressure reducing valve facilities including building construction, process piping, valves, chemical feed equipment and site work adjacent to New Hampshire Route 28 in Windham and Salem.”

2. Page A-1.1, delete the following paragraph in it's entirety;

“4. No Bidder may withdraw a Bid within 60 days after the actual date of opening thereof.”

And replace with the following paragraph;

“4. No Bidder may withdraw a Bid within 21 days after the actual date of opening thereof.”

## **SECTION A-2 – INFORMATION FOR BIDDERS**

1. Page A-2.1, delete the following paragraph in it's entirety;

“BIDS will be received by The Town of Salem, New Hampshire  
(herein called the "OWNER"), at Town Hall, 33 Geremonty Dr., Salem, NH 03079  
Until 1:30 PM local time on Tuesday, September 10, 2019. BIDS will then be publicly  
opened and read aloud.”

And replace with the following paragraph;

“BIDS will be received by The Town of Salem, New Hampshire  
(herein called the "OWNER"), at Town Hall, 33 Geremonty Dr., Salem, NH 03079  
Until 1:30 PM local time on Tuesday, September 17, 2019. BIDS will then be publicly  
opened and read aloud.”

2. Page A-2.1, delete the following paragraph in it's entirety;

“The OWNER may waive any informalities or minor defects or reject any and all BIDS. Any BID may be withdrawn prior to the above scheduled time for the opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within 60 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the OWNER and the BIDDER.”

And replace with the following paragraph;

“The OWNER may waive any informalities or minor defects or reject any and all BIDS. Any BID may be withdrawn prior to the above scheduled time for the opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within 21 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the OWNER and the BIDDER.”

## **SECTION 40 05 13.53 – PROCESS PIPE AND FITTINGS**

Section 40 05 13.53, paragraph 2.01, delete in its entirety and replace with the following;

“2.01 DUCTILE IRON PIPE:

- A. All ductile iron pipe shall be designed in accordance with ANSI A21.50 and shall be manufactured in accordance with ANSI A21.51.
- B. Pipe for use with sleeve type couplings shall be as specified above except that the ends shall be plain (without bells or beads). The ends shall be cast or machined at right angles to the axis.
- C. Pipe for use with grooved type couplings shall have ends grooved in accordance with AWWA C606.
- D. Pipe thickness class, unless otherwise indicated:
  - 1. Minimum thickness class shall be Class 53 for use with threaded flanges.
  - 2. For grooved couplings, minimum thickness class shall be Class 53 for pipe smaller than 18-inches and Class 56 for pipe 18-inches and larger.
- E. Machined surfaces shall be cleaned and coated with a suitable rust-preventative coating at the shop immediately after being machined.
- F. The inside of pipe and fittings shall be given a cement lining and bituminous seal coat in accordance with ANSI A21.4. The thickness of lining shall be double that specified in the above referenced specification.
- G. The outside of pipe and fittings within structures shall not be coated with the bituminous coating, but shall be thoroughly cleaned as recommended by the coating manufacturer and given one shop coat of 69-1211 H.B. Epoxoline II primer made by Tnemec Company, Inc.; Multiprime made by Pittsburgh Plate Glass Co., Pittsburgh, PA; Recoatable Epoxy Primer B67H5/R5 made by Sherwin-Williams Company; or an approved equal product.”

**SECTION 40 05 13.73 – PLASTIC PROCESS PIPE AND FITTINGS**

Section 40 05 13.73, paragraph 2.01, delete in its entirety and replace with the following;

“2.01 POLYVINYL CHLORIDE PIPE AND FITTINGS:

- A. Provide Class 12454-B polyvinyl chloride pipe for all pipes used for distributing chemical solutions. All pipe shall be Schedule 80.
- B. Provide solvent weld-type fittings for all chemical solutions distribution systems except for the lime solution system. A heavy duty industrial grade PVC solvent cement shall be used.

- C. Provide flanged-type fittings for the lime solution system only. Flanged fittings with clean-outs shall be provided at every turn throughout the lime solution system. Flanged union bolts and nuts shall be of Type 316 stainless steel.
- D. Gasket seals between the flange faces should be Viton full flat-faced gasket 1/8-inch thick.
- E. All valve connections shall be flanged.
- F. Provide flanged joints for all solution systems in each straight run of pipe, 25 feet apart.”

## **SECTION 46 33 00 – CHEMICAL FEED EQUIPMENT**

- 1. Section 40 05 13.73, paragraph 2.03.B.5, delete the pump series “M-2” and replace with the pump series “M-3”.;
- 2. Section 40 05 13.73, paragraph 2.03.C.5, delete the pump series “M-2” and replace with the pump series “M-3”.;
- 3. Section 40 05 13.73, paragraph 2.03.D.5, delete the pump series “M-2” and replace with the pump series “M-3”.
- 4. Section 40 05 13.73, paragraph 2.04.A, delete the pump series “M-2” and replace with the pump series “M-3”.

## **SECTION 46 33 00.1 – PUMP TABLES**

Delete “Section 46 33 00.1, Pump Tables” in its entirety, and replace with the attached “Section 46 33 00.1, Pump Tables”.

## **ATTACHMENTS**

- Revised Contract Specification Section 46 33 00.1, Pump Tables (1 page)

## **END OF ADDENDUM NO. 1**

TOWN OF SALEM, NEW HAMPSHIRE  
BY ITS TOWN OFFICER

WESTON & SAMPSON ENGINEERS, INC.  
PORTSMOUTH, NEW HAMPSHIRE

**Table 46 33 00-1**  
**Chemical Metering Pumps**

<b>Pump No.</b>	<b>Chemical (Concentration)</b>	<b>Discharge Point</b>	<b>Flow Range (GPH)</b>	<b>Discharge Pressure (psi)</b>	<b>Model Number</b>
CMP-101	Sodium Hydroxide (25%)	Northland Road PRV Station	0.02-1.2	50	M-3
CMP-102	Sodium Hydroxide (25%)	Northland Road PRV Station	0.02-1.2	50	M-3
CMP-201	Sodium Hypochlorite (12.5%)	Northland Road PRV Station	0.01-0.6	50	M-3
CMP-202	Sodium Hypochlorite (12.5%)	Northland Road PRV Station	0.01-0.6	50	M-3
CMP-301	Ammonia Sulfate (40%)	Northland Road PRV Station	0.004-0.3	50	M-3
CMP-302	Ammonia Sulfate (40%)	Northland Road PRV Station	0.004-0.3	50	M-3

**Table 46 33 00-2**  
**Transfer Pumps**

<b>Pump No.</b>	<b>Chemical (Concentration)</b>	<b>Minimum Flow (GPM)</b>	<b>Minimum Total Dynamic Head (ft.)</b>
TP-120	Sodium Hydroxide (25%)	25	15

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