



**CITY OF DANBURY**  
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November 8, 2011

**ADDENDUM #3**

**To**

**Bid #09-11-12-04 "Hawthorne Terrace Water System Improvements"**

This addendum shall be part of the Purchasing documents for the above captioned Bid. This addendum is to be acknowledged by the bidder by signing as provided below and returning with the bidder's proposal.

**SEE ATTACHED:** ADDENDUM NO. 3, Dated November 8, 2011, Pages 1 – 3

**BID OPENING:** Has been changed to Tuesday, November 15, 2011, 10:00 AM

Receipt of the addendum is hereby acknowledged.

Bidder \_\_\_\_\_  
Signature \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

Charles J. Volpe, Jr.  
Purchasing Agent  
City of Danbury

**BID NO. 09-11-12-04**  
**HAWTHORNE TERRACE WATER SYSTEM IMPROVEMENTS**  
**CONTRACT NO. 3 - MODIFICATIONS TO WELL HOUSES**  
**CITY OF DANBURY PROJECT NO. 03-17C**

**ADDENDUM NO. 3**  
November 8, 2011

This addendum, consisting of 3 pages, shall be part of the Contract Documents for the above captioned Bid. This addendum is to be acknowledged by the bidder by signing where provided and returning with the bidder's proposal.

The attention of all bidders is directed to the following ADDITIONS, DELETIONS, and SUBSTITUTIONS to the Contract Documents:

1. On page S1-2 of the Detailed Specifications, SUBSTITUTE the following Section for Section 1.7 Remote Alarms deleted under Addendum No. 1.

“1.7 Well Controls

The existing well controls, where affected by the piping modifications, shall be relocated and rewired as necessary for proper operation of the well pump”.

2. On page S2.8-11 of the Detailed Specifications, ADD the following Section:

“2.8.25 Modifications to Calcite Filter Piping

The piping for the Calcite filters shall be modified as required to provide pressurized backwash water from the discharge side of the pumping station. A sketch of the additional piping required to provide pressurized backwash water for the Calcite filters is attached and made a part of this Addendum. The piping on the discharge side of the booster pumps, in the vicinity of the eyewash, should be connected to the pressurized backwash water inlet connection on each of the Calcite filter control valves. Control valves shall be modified or replaced with ones suitable for operating a pressurized backwash system. Piping and valves for the backwash water line shall be included for payment under Division 8, Piping and Valves. All conduits, wiring and connections to electrically operated valves shall be as recommended by the manufacturer and shall be included for payment under Division 12, Electrical Work.”

3. On page S2.9-1 of the Detailed Specifications, under Section 2.9.2 Well Pump, in the second sentence of the second paragraph, after the words “shall contain a magnetic”, DELETE the word “contractor.” and SUBSTITUTE the word “contactor.” and in the third sentence after the words “The control box shall be compatible with”, DELETE the words “standard pressure switches” and SUBSTITUTE the words “level transmitter and controller specified under Section 2.9.3 of Division 9, Pumps, and electronic pressure controllers specified under Section 2.13.3 Well Pump Control Panel of Division 13, Instrumentation and Controls.”
4. On page S2.9-2 of the Detailed Specifications, under Section 2.9.3 Well Pump Installation, in the third line of the second paragraph, after the words “level probe shall be”, ADD the following “a level Mate II transmitter and controller by Ametek U.S. Gauge or approved equal and be”.
5. On page S2.13-1 of the Detailed Specifications, under Section 2.13.1 Work Included, DELETE the fifth paragraph and SUBSTITUTE the following paragraph:

“Included under this Division are the intrusion alarm, well pump control panel, and miscellaneous associated items at the Lower Well House.”

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**ADDENDUM NO. 3**

November 8, 2011

(continued)

6. On page S2.13-2 of the Detailed Specifications, **DELETE** Section 2.13.3 Pressure Switches, and **SUBSTITUTE** the following Section:

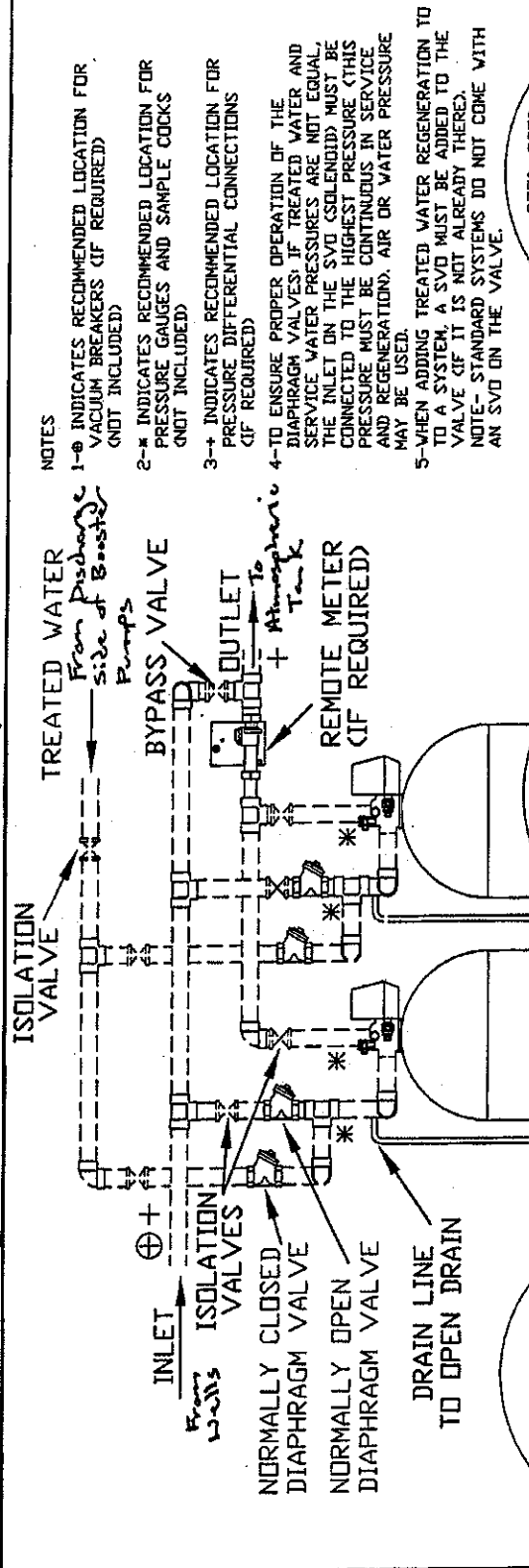
“2.13.3 Well Pump Control Panel

Well pump control panel shall be provided to operate the two well pumps based on water level in the atmospheric water storage tank. The well pump control panel shall be equipped with Hand-Off-Auto switch for each well, indicating lights for well running and fault and all relays and wiring necessary to provide start and stop commands to the well pump control boxes for the existing Well No. 1 and new Well No. 2. The well level transmitter and electronic pressure controllers shall be wired to the well pump control panel to shut down the well pump in the event of a low water level condition.

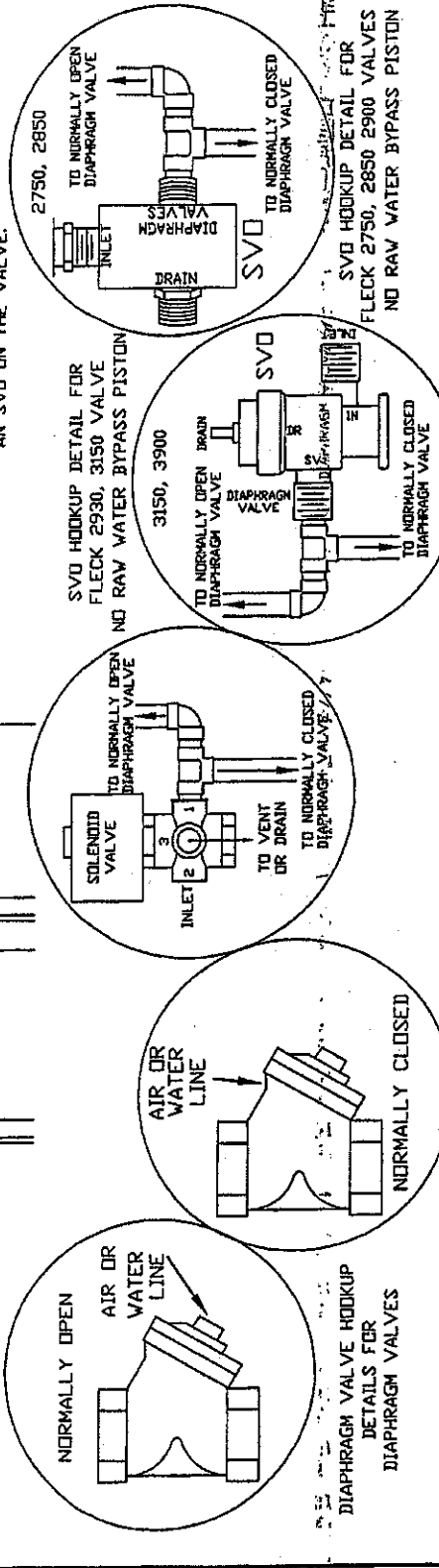
The electronic pressure controllers shall be Series EDAW as manufactured by Dwyer Instruments, Inc. One controller shall be provided to start and stop well pumps. The other shall provide high and low tank level alarms to the existing alarm panel via the well pump control panel. The controllers shall have a range from 0-20 psi. The controllers shall contain two SPDT relays that have set points, adjustable over the full range, for control or alarm; front face LED indicator with large backlight two-line display; external programming buttons; and weatherproof housing.”

7. On Sheet No. 2 of the Contract Drawings, in Section A, **DELETE** the dimension “14 inches” and **SUBSTITUTE** the dimension “4 inches” in reference to the distance from the top of the tank to the overflow pipe.
8. On Sheet No. 4 of the Contract Drawings, in the Stage 4 Plan, **DELETE** the words “Suction and Discharge Pressure Transmitters” and **SUBSTITUTE** the words “Well Pump Control Panel”.

*This set-up brings pressurized water back to backwash*



- NOTES**
- 1-⊕ INDICATES RECOMMENDED LOCATION FOR VACUUM BREAKERS (IF REQUIRED) (NOT INCLUDED)
  - 2-⊕ INDICATES RECOMMENDED LOCATION FOR PRESSURE GAUGES AND SAMPLE COCKS (NOT INCLUDED)
  - 3-→ INDICATES RECOMMENDED LOCATION FOR PRESSURE DIFFERENTIAL CONNECTIONS (IF REQUIRED)
  - 4-→ TO ENSURE PROPER OPERATION OF THE DIAPHRAGM VALVES, IF TREATED WATER AND SERVICE WATER PRESSURES ARE NOT EQUAL, THE INLET ON THE SVO (SOLENOID) MUST BE CONNECTED TO THE HIGHEST PRESSURE (THIS PRESSURE MUST BE CONTINUOUS IN SERVICE AND REGENERATION). AIR OR WATER PRESSURE MAY BE USED.
  - 5-→ WHEN ADDING TREATED WATER REGENERATION TO A SYSTEM, A SVO MUST BE ADDED TO THE VALVE (IF IT IS NOT ALREADY THERE). NOTE- STANDARD SYSTEMS DO NOT COME WITH AN SVO ON THE VALVE.



**INSTEAD OF USING AN SVO, ELECTRIC 3 WAY SOLENOIDS MAY ALSO BE USED**

**WaterGroup**

*Typical Duplex Treated Water Piping for 2750, 2850 and 3150 Valves with No Raw Water Bypass Pistons*

PROJECT \_\_\_\_\_ DATE 2/8/05 REV 5  
 DWG# C-1590

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