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ADDENDUM #3

DATE: **12-23-19**

PROJECT: **Greenwich High School**
Cooling Tower Replacement
BID #2284-19

PREPARER: **R. Sileo**

DISTRIBUTION: **ALL BIDDERS**
Eugene Watts, Karen Tedesco– GPS

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NOTE: THIS INFORMATION IS TO BE USED AS A SUPPLEMENT TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR FULL COMPLIANCE WITH ALL ORIGINAL CONTRACT REQUIREMENTS, INCLUDING ALL LOCAL AND STATE CODES. ALL PRIOR BID REQUIREMENTS, NOT MODIFIED HEREIN, SHALL APPLY.

Please note the following clarifications to the project scope:

- Motorized valves are shown on the condenser water supply (leaving the tower). They shall be installed on the condenser water return (entering the tower). Valves will be furnished by others and installed by bidders. For reference valves will be Belimo model F6250L+PRBUP-3-T-250.
- Contractor shall furnish and install a manual 12" butterfly valve in branch to equalizer from each tower cell.

The following questions have been asked and answered:

Q1: We would like to have an additional 1" conduit added to the scope of work for the electrical contractor to provide for the control contractor's use. Would this be acceptable?

A1: The bid docs show (2) 1" conduits for 115V, (1) 1" conduit for 24V use and (1) 1" spare. We have reviewed the number of allowable conductors and recommend that the following:

a. **All cooling tower accessory power (ie, vibration cutout switch) be run through (1) 1" conduit specified.**
b. **All power to motorized valves be run through (1) 1" conduit specified.**
c. **All low-voltage wiring be run through 1" conduit specified.**

This will preserve one conduit as a spare.

Q2: The location of the VFDs infringes on the code clearances of an existing electrical panel. For the purpose of the bid should the sub-contractors price the drawings or will a new location be proposed via an addendum?

A2: An alternate location for the VFDs has been included in the enclosed sketch.

Q3: MCC-SLB on the electrical riser isn't an electrical panel, it is a motor control center. It does not contain any breakers or fuses. It is not possible to get (3) 80A feeds out of it to feed the VFDs. The 80A feeds will need to come from a different electrical panel or the MCC will need to be replaced with a 600A distribution panel. Please clarify what the subcontractors should price for the bid.
A3: Contractor shall replace existing motor control buckets with new fused disconnect buckets. The switch shall be rated for 100A, 480V, 3 pole and the fuses shall be 60A. Contractor shall confirm the fuse sizing and type with motor manufacturer.

Q4: Due to the history of the property is excavated material going to be tested for contamination?
A4: It has been confirmed that existing soil requires no special handling, testing, etc. It can be used as fill and returned to its original location.

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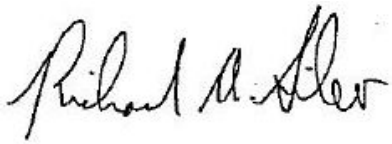
Thank you and good luck.



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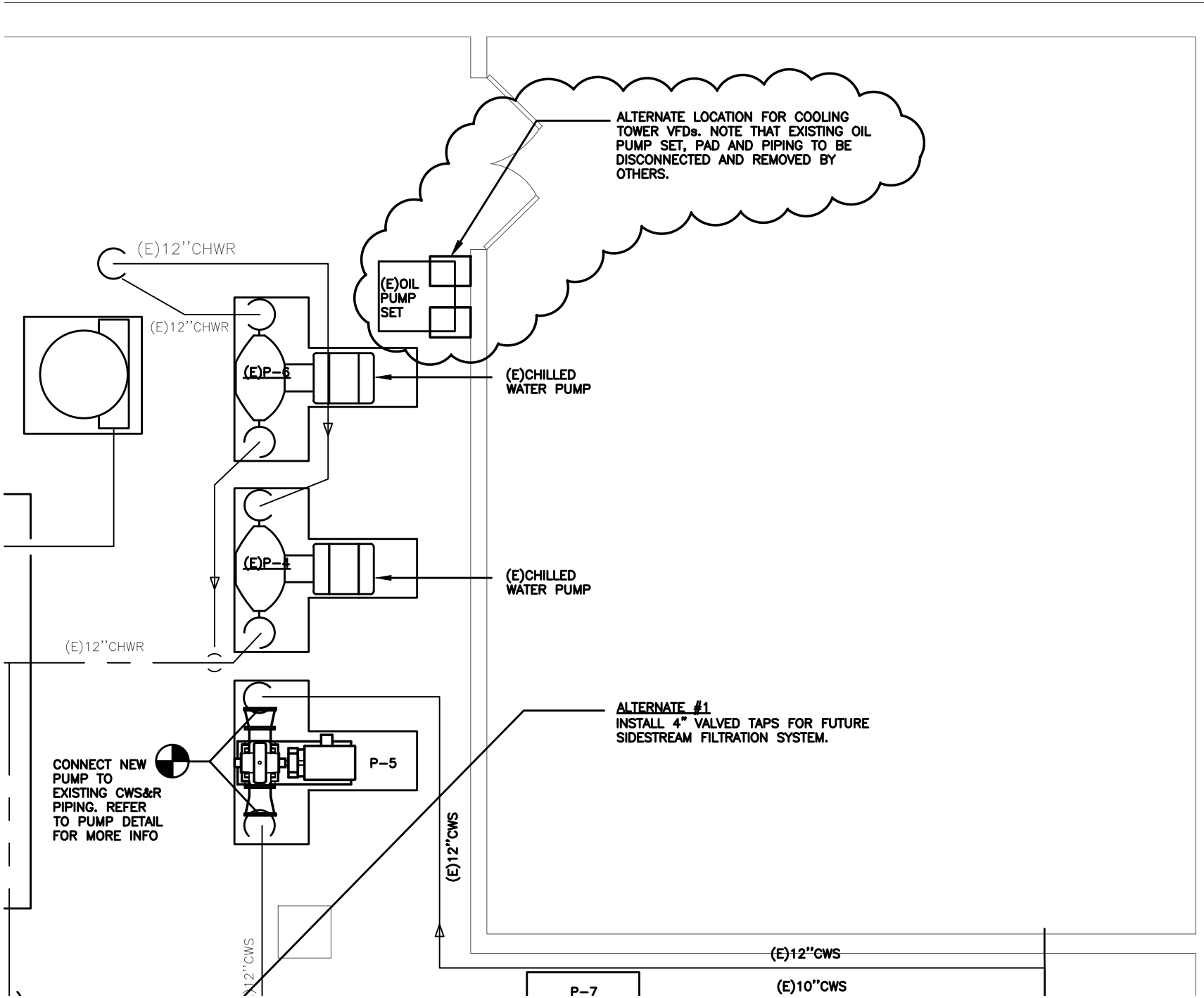
ALTERNATE LOCATION FOR COOLING TOWER VFDs. NOTE THAT EXISTING OIL PUMP SET, PAD AND PIPING TO BE DISCONNECTED AND REMOVED BY OTHERS.
(E)12''CHWR
(E)12''CHWR
(E)OIL PUMP SET
(E)P-6
(E)CHILLED WATER PUMP
(E)P-4
(E)CHILLED WATER PUMP
(E)12''CHWR
ALTERNATE #1
INSTALL 4" VALVED TAPS FOR FUTURE SIDESTREAM FILTRATION SYSTEM.
CONNECT NEW PUMP TO EXISTING CWS&R PIPING. REFER TO PUMP DETAIL FOR MORE INFO
P-5
(E)12''CWS
(E)12''CWS
(E)10''CWS
P-7