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FROM: Allen Stephens, P.E.

DATE: August 21, 2020

PROJ. NO.: C18012

SUBJECT: Addendum No. 2  
 Cleveland Utilities  
 New 0.5 MG Water Tank for Spring Branch Industrial Park

PAGES: 1 pages to follow

<p><b>PLEASE RESPOND</b></p> <p>→ → → →</p>	<p><b>TO CONFIRM RECEIPT OF THIS ADDENDUM NO. 2 PLEASE SIGN AND EMAIL TO CTI</b></p> <p><a href="mailto:vvisco@ctiengr.com">vvisco@ctiengr.com</a></p>
	Company _____
	Signature _____
	Title _____
	Date _____

ID 646802

**ADDENDUM NO. 2**  
**NEW 0.5 MG WATER TANK FOR SPRING BRANCH INDUSTRIAL PARK**  
**CLEVELAND UTILITIES(CU) PROJECT NO. W2783X**

The following clarifications and changes shall be made to the Specifications and Contract Drawings:

**I. SPECIFICATIONS**

**A. Section 40 05 61 ADD THE FOLLOWING PARAGRAPHS:**

**2.9 ALTITUDE VALVES**

- A. Altitude valves shall be single-acting, hydraulically operated, pilot actuated, diaphragm or piston type globe valves designed for ground level control of water level in storage tanks. Valve shall be of the non-throttling differential type and shall be air and water cushioned on closing to prevent surges on shutoff. Valve shall be suitable for 175 psi working pressure. Operating point and closing speed shall be adjustable.
- B. Valve shall have a cast iron body and bolted bonnet conforming to ASTM A126, Class B, bronze pilot control valve and main valve trim, resilient seat disc, stainless steel pilot trim, and reinforced synthetic rubber diaphragm. Seat ring, disc, and diaphragm shall be removable without removing the valve from the line. Piston type valves shall be constructed with removable resilient seals and guides to prevent metal-to-metal contact. No external packing glands shall be used and the diaphragm shall not be used as a seating surface. Main valve stem shall be guided at both ends. Pilot control shall be three-way, hydraulically balanced, diaphragm type.
- C. An indicator rod shall be provided to show valve position. A fine mesh stainless steel or Monel strainer shall be provided in the control piping. A 4½-inch pressure gauge calibrated in both psi and feet of water shall be provided on both sides of the altitude valve.
- D. Valve shall be furnished with flanged ends drilled per ANSI B16.1.
- E. A standard repair kit shall be supplied for the altitude valve. Kit shall include liner cap, seat ring, cover gasket, indicator packing, vent packing, and piston cup for main valve, seat ring, lower packing, upper packing, stem gasket, and diaphragm for pilot.
- F. Altitude valves shall be GA Industries Figure 3200-D; Clayton Figure 206, OCV Series 3331; or approved equal.

Date: August 21, 2020

CTI Engineers, Inc.  
/s/ Allen Stephens, P.E.  
Project Manager