

To: All Plan Holders of Record

From: CT Consultants, Inc.
For the Owner

**Re: Addendum No. 1
3rd Street Water Storage Tank Replacement
Village of Philo, OH**

Date: June 19, 2019

This Addendum forms a part of the contract documents and modifies the original bidding documents dated May 2019 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

SPECIFICATIONS

DIVISION 33 – UTILITIES

1. SECTION 331613.14 – BOLTED STEEL WATER STORAGE TANKS, Page 331613.14-9; PART 2 – PRODUCTS, Paragraph 2.4, APPURTENANCES

ADD Paragraph 2.4.G. as follows:

G. Internal Mixing System: Tank manufacturer shall provide a passive mixing system interior to the tank to eliminate short-circuiting, stratification and stagnation within the water storage tank. The mixing system shall be Tideflex Mixing System as manufactured by Tideflex Technologies, Inc., Carnegie, PA, or approved equal. The mixing system shall be designed for a minimum 30-year life without maintenance. Mixing system shall be designed to:

1. Prevent a “last-in / first-out” or short-circuiting flow
2. Eliminate thermal stratification
3. Avoid stagnation or dead zones
4. Inhibit aging and accelerated disinfectant depletion
5. Equalize chlorine residuals

As a part of the submittal process, Contractor shall provide documentation of a comprehensive analysis using computational fluid dynamics (CFD) to assess the specific tank geometry, fill rates and system operation parameters to demonstrate design effectiveness.

***** END ADDENDUM No. 1 *****