ADDENDUM NUMBER 2

MILWAUKEE COUNTY GROUNDS
NEW WATER TOWER
Site #1003, Bldg. #5231
854 N. 94th Street
Wauwatosa, WI

Project Number: G012-09606-02

Date of Addendum: September 22, 2010

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated September 1, 2010, and is hereby made part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form, or bid may be rejected.

BIDDING DOCUMENTS

DOCUMENT 00300 - Information Available to Bidders
ADD the GESTRA Engineering Geotechnical Addendum Letter dated September 22, 2010 attached to and issued as part of this Addendum 2.

SPECIFICATIONS

SECTION 09 97 13 - Exterior / Interior Coating Systems for Steel Tanks Used for Potable Water Storage
ADD "The Sherman-Williams Company" to Articles 2.1B, 2.2B, 2.3B, and re-alphabetize remaining sentences.
DELETE the following text from Article 3.11A.: "... and leak tested".

SECTION 33 16 19 - Elevated Water Utility Storage Tanks
DELETE the entire text from Article 2.5B.2.b.
CHANGE the text "...an anti-vortex entrance and weir" in Article 2.6B.1 to siphon entrance".
CHANGE the word "galvanized" in Article 2.6E.1 to "steel".
CHANGE Article 2.6,I.5 to read as follows: "16-inch AWWA C509 gate valve, iron body, bronze trim, non-rising stem with square nut, single resilient wedge, flanged ends, control rod to tower floor".
ADD the following to Article 3.3: O. To minimize corrosion and rust staining on the underside of the roof, the roof plates and rafter-to-rafter plate seams shall be seal welded. The minimum thickness for seal welded roof plates shall be 1/4 inch.
DELETE the following text from Article 3.5A.: "... and before it is painted".

CLARIFICATIONS
Water level control panel will come with the 2 block heaters. This will be provided by the telemetry contractor and is included in the allowance.

End of Addendum No. 2

GESTRA Engineering, Inc.
1626 W. Fond Du Lac Avenue
Milwaukee, WI 53205
Phone: (414) 933-7444
Fax: (414) 933-7844

September 22, 2010

Mr. Dan Knapp
GRAEF
One Honey Creek Corporate Center
125 South 84th Street, Suite 401
Milwaukee, Wisconsin 53214-1470

Subject: Geotechnical Addendum Letter
Elevated Water Storage Tower
GESTRA Project No.: 10081-10

Dear Mr. Knapp,

You indicated that a bidder on the project has requested that design guidelines be provided for geotechnical parameters for the tower foundation. Since we do not know the foundation type, the interpretation of these parameters is the responsibility of the designer. Allowable bearing capacity would also depend on the size of the foundation and the allowable settlement. These parameters are based on the field and laboratory tests presented in our June 28, 2010 data report and are provided as guidelines, and the designer may chose to use other parameters as deemed appropriate.

Above elevation 750 feet:	$\phi = 0$ degrees, cohesion = 1,700 pounds per square foot
Elevation 750 – 730 feet:	$\phi = 0$ degrees, cohesion = 2,800 pounds per square foot
(fully drained)	$\phi = 22$ degrees, cohesion = 1,000 pounds per square foot
Below elevation 730 feet:	$\phi = 0$ degrees, cohesion = 4,000 pounds per square foot

Sincerely,
GESTRA Engineering, Inc.

Doug Bath, P.E.
Senior Engineer