ADDENDUM NO. 1

North Marshall Water Tanks - A.I. #2955

To All Bidders: **February 6, 2015**

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the **NORTH MARSHALL WATER TANKS - AI #2955**, as fully and completely as if the same were fully set forth therein. Receipt of this Addendum **must** be acknowledged on the Bid Form for the bid to be considered complete.

1. **General:** CLARIFICATIONS.

   A. North Marshall Water District will work with the selected Contractor to insure one tank is available at a time. All work must be completed on said tank before moving to the next one.

   B. North Marshall Water District will have the power company set a service pole with meter base between the driveway and the new fire hydrant. The Tank Contractor will be responsible for all electrical work after the meter to provide a complete project.

   C. The Kenbar Tank does have lead paint and must be properly abated.

   D. Tnemec is the only coating manufacturer approved for bid purposes.

2. **Technical Specifications T-4 (Page 8):** The title should be revised to read as follows:

   T-4 GILBERSTVILLE 50,000 GALLON WATER TOWER

3. **NMWD Gifford Water Tower Manual, 1.5 Tank Details (Page 35)** Please substitute the following paragraph:

   1.5. The elevated tank shall be all-welded construction of the most economical design. All members of structural steel or of reinforced concrete shall be designed to safely withstand the maximum stresses to which they may be subjected during erection and operation.

   1.5.1. The minimum operating capacity of the storage tank will be **250,000** US gallons.
   1.5.2. The capacity of the tank, low water level to high water level, shall be contained within a maximum operating head range of **25.5** feet +/- 2.5 feet.
   1.5.3. The height of the tank, top of foundation to high water level, shall be **162.0** feet.
   1.5.4. Top of foundation elevation shall be **465.0**.
   1.5.5. The existing ground elevation is **464.5 +/-**
   1.5.6. The finished ground elevation shall be **464.5 +/-**

4. Technical Specifications 2.06 (Page 5): Please substitute the following paragraph:

2.06 Clean and Paint Tank Interior (Wet)

Estimated Surface Area:	9,000 SF
Surface Preparation:	SSPC-SP10 Near White Blast Cleaning.
Prime Coat:	Aromatic zinc-rich urethane at 2.5-3.5 mils DFT.
Intermediate Coat:	Polyamidoamine epoxy at 4-6 mils DFT.
Stripe Coat:	Polyamidoamine epoxy at 2-3 mils DFT (roller applied) to weld seams and edges.
Finish Coat:	Polyamidoamine epoxy at 4-6 mils DFT.

Clean and Paint Tank Interior (Dry)

Estimated Surface Area:	5,500 SF
Surface Preparation:	**SSPC-SP6 Sweep Blast Cleaning**.
Prime Coat:	Polyamidoamine epoxy at 4-6 mils DFT.
Finish Coat:	Polyamidoamine epoxy at 4-6 mils DFT.

Clean and Paint Tank Exterior

Estimated Surface Area:	19,600 SF
Surface Preparation:	**SSPC-SP6 Sweep Blast Cleaning.**
Spot Prime Coat:	Polyamidoamine epoxy at 2.3 mils DFT.
Intermediate Coat:	Aliphatic acrylic polyurethane at 2-4 mils DFT.
Full Finish Coat:	Fluoropolymer polyurethane at 2-4 mils DFT.

5. Technical Specifications 3.06 (Page 7): Please substitute the following paragraph:

3.06 Clean and Paint Tank Interior (Wet)

Estimated Surface Area:	9,000 SF
Surface Preparation:	SSPC-SP10 Near White Blast Cleaning.
Prime Coat:	Aromatic zinc-rich urethane at 2.5-3.5 mils DFT.
Intermediate Coat:	Polyamidoamine epoxy at 4-6 mils DFT.
Stripe Coat:	Polyamidoamine epoxy at 2-3 mils DFT (roller applied) to weld seams and edges.
Finish Coat:	Polyamidoamine epoxy at 4-6 mils DFT.

Clean and Paint Tank Interior (Dry)

Estimated Surface Area:	5,500 SF
Surface Preparation:	**SSPC-SP6 Sweep Blast Cleaning**.
Prime Coat:	Polyamidoamine epoxy at 4-6 mils DFT.
Finish Coat:	Polyamidoamine epoxy at 4-6 mils DFT.

Clean and Paint Tank Exterior

Estimated Surface Area:	19,600 SF
Surface Preparation:	**SSPC-SP6 Sweep Blast Cleaning.**
Spot Prime Coat:	Polyamidoamine epoxy at 2.3 mils DFT.
Intermediate Coat:	Aliphatic acrylic polyurethane at 2-4 mils DFT.
Full Finish Coat:	Fluoropolymer polyurethane at 2-4 mils DFT.

6. Technical Specifications 4.06 (Page 8): Please substitute the following paragraph:

4.06 Clean and Paint Tank Interior (Wet)

Estimated Surface Area:	**3,100 SF**
Surface Preparation:	SSPC-SP10 Near White Blast Cleaning.
Prime Coat:	Aromatic zinc-rich urethane at 2.5-3.5 mils DFT.
Intermediate Coat:	Polyamidoamine epoxy at 4-6 mils DFT.
Stripe Coat:	Polyamidoamine epoxy at 2-3 mils DFT (roller applied) to weld seams and edges.
Finish Coat:	Polyamidoamine epoxy at 4-6 mils DFT.

Clean and Paint Tank Interior (Dry)

Estimated Surface Area:	**6,450 SF**
Surface Preparation:	**SSPC-SP6 Sweep Blast Cleaning**.
Prime Coat:	Polyamidoamine epoxy at 4-6 mils DFT.
Finish Coat:	Polyamidoamine epoxy at 4-6 mils DFT.

Clean and Paint Tank Exterior

Estimated Surface Area:	**6,450 SF**
Surface Preparation:	**SSPC-SP6 Sweep Blast Cleaning.**
Spot Prime Coat:	Polyamidoamine epoxy at 2.3 mils DFT.
Intermediate Coat:	Aliphatic acrylic polyurethane at 2-4 mils DFT.
Full Finish Coat:	Fluoropolymer polyurethane at 2-4 mils DFT.

7. Technical Specifications 5.06 (Page 10): Please substitute the following paragraph:

5.06 Clean and Paint Tank Interior (Wet)

Estimated Surface Area:	3,000 SF
Surface Preparation:	SSPC-SP10 Near White Blast Cleaning.
Prime Coat:	Aromatic zinc-rich urethane at 2.5-3.5 mils DFT.
Intermediate Coat:	Polyamidoamine epoxy at 4-6 mils DFT.
Stripe Coat:	Polyamidoamine epoxy at 2-3 mils DFT (roller applied) to weld seams and edges.
Finish Coat:	Polyamidoamine epoxy at 4-6 mils DFT.

Clean and Paint Tank Interior (Dry)

Estimated Surface Area:	1,300 SF
Surface Preparation:	**SSPC-SP6 Sweep Blast Cleaning**.
Prime Coat:	Polyamidoamine epoxy at 4-6 mils DFT.
Finish Coat:	Polyamidoamine epoxy at 4-6 mils DFT.

Clean and Paint Tank Exterior

Estimated Surface Area:	8,000 SF
Surface Preparation:	**SSPC-SP6 Sweep Blast Cleaning.**
Spot Prime Coat:	Polyamidoamine epoxy at 2.3 mils DFT.
Intermediate Coat:	Aliphatic acrylic polyurethane at 2-4 mils DFT.

Full Finish Coat: Fluoropolymer polyurethane at 2-4 mils DFT.

8. NMWD Gifford Water Tower Manual, 5.3.2 - Paint for Exterior Surfaces (Page 40): Please substitute the following paragraphs:

5.3.2.3 Intermediate Coat

Apply one coat of **Aliphatic acrylic polyurethane exterior intermediate coat: TNEMEC Series 73 - color ENDURA-SHEILD** at 3.0 to 5.0 mils DFT. Roller application may require more than one coat to achieve specified thickness.

5.3.2.4 Finish Coat and Logo Lettering

Apply one coat of **Fluoropolymer polyurethane high gloss exterior finish coat: TNEMEC Series 700- color HYDROFLON at 2.0-4.0 mils DFT**. Some colors may require more than one coat to achieve opacity. **The new tower shall be painted white. It shall be lettered "NORTH MARSHALL WATER DISTRICT" in cadet blue.**

9. Technical Specifications 6.02 (Page 12): Please substitute the following paragraph:

The Waterline Contractor is responsible for installing the 10" PVC Main up to and including the gate valve nearest the new tank. This includes the fire hydrant, all gate valves and thrust blocks. The Water Tank Contractor is responsible for the installation of the 10" PVC from the gate valve to the tank. The Water Tank Contractor is responsible for the 8" overflow line and headwall; all site work; installation of the gravel driveway; and construction of the chain link fence and sliding gate. The chain link fence shall be 6' tall of medium grade galvanized wire. All posts, fittings and wire shall be galvanized. There is no barbed wire on the top. See Drawing T-3.

10. NMWD Gifford Water Tower Manual, 4.9 Obstruction Light and Antennae Mounting Brackets (Page 39): Clarification - The Water Tank Contractor will provide a double obstruction light as described with factory mounting bracket. Two additional mounting brackets will be installed for future telemetry/antennae. The antennae will be supplied by others.

All other requirements remain as stated. The Bid date and time remains at 11:45 AM on February 13, 2015, at the North Marshall Water District Office.

END OF ADDENDUM NO. 1