**Scope of Work:**

Contractor shall provide all labor and materials necessary to repair, blast, and paint the interior and exterior of the Two Hundred Thousand (200,000) Gallon Elevated Water Tank at Pinecrest Supports and Services Center.

**Location:**

Pinecrest Supports and Services Center

100 Pinecrest Drive

Pineville, Louisiana 71360

**Specification:**

**Tank Repairs:** All repairs listed below shall be completed before the blasting and painting of the interior and exterior of the water tank.

* **Riser Manway:**

The existing manway in the riser pipe is sixteen inches (16”), American Water Works Association requires a minimal of a twenty four inch (24”) manway be present. Contractor shall remove existing sixteen inch (16”) manway and install a new thirty inch (30”) in diameter carbon steel manway.

* **Riser Grating Over Riser Pipe On The Tank Interior:**

The four foot (4’) by four foot (4’) iron grating hatch over the interior riser pipe is rusted and deteriorated. A new iron hatch with hinges shall be installed by the Contractor.

* **Overflow Pipe:**

The existing eight inch (8”) overflow pipe runs through the catwalk. It needs to run down to ground level. Contractor shall add an approximate additional ninety feet (90”) of eight inch (8”) schedule forty (40) carbon steel pipe to the ground, install eight inch (8”) Flapper Gate with Stainless Steel Insect Screen, and install a three foot by three foot (3’) by six inch (6”) Concrete Splash Pad for the Overflow Pipe to drain on.

* Contractor shall remove and replace ten foot (10’) of Interior Ladder from the Roof Ceiling Floors.
* The newly installed carbon steel ladder shall be standard width and rung spacing.
* Contractor shall extend the eight inch (8”) Schedule forty Carbon Steel overflow from the balcony catwalk down to the ground. Extend approximately ninety feet (90’) of eight inch (8”) schedule forty (40) steel pipe to the ground.
* Contractor shall Install Ladder Safe safety climb devices to all exterior ladders, on the ladder leg and on the catwalk to tank roof ladder. This is required by Occupational Safety Hazard Association.
* Contractor shall install the following Ladder Safety Climb Devices as per Occupational and Safety Hazard Association: interior ladder from roof to floor, balcony manway to the floor ladder, ladder in riser pipe.
* **Tank Exterior Blasting and Coating:**

Containment and Disposal: The entire tank structure shall be contained with a containment system that is Society for Protective Coatings Class Two A certified to properly contain debris, emissions, water, paint and all other particulates within the project site. Refer to Society for Protective Coating Guide Six (See Attachment D – Containment System Diagrams – Pages 1-15 and Attachment E – Guide for Containing Debris Generated During Paint Removal – Pages 1-21).

There are are seven (7) lights located on the exterior of the tank that must be either removed or worked around. Five (5) are located on the handrails and two (2) are located on the dome. Contractor shall be responsible for any damages caused to lights during work.

Before blasting is to start the entire Tank Exterior shall be sprayed with Enviro Prep Premium by Blast One or equal. This product will neutralize the lead before blasting.

The entire tank exterior shall be Society for Protective Coating- SP six (6) commercial blast cleaned. Upon completion of blasting, the blasted steel will receive one (1) coat of Tnemec Series Ninety One Hydro Zinc or equal (two and a half (2.5) to three and a half (3.5) millimeters).

Stripe coat: All weld seams shall be coated with Tnemec Series Twenty One Epoxoline or equal.

Second Coat: Tnemec Series Seventy Three Endura Shield or equal (two (2) to three (3) millimeters) to be applied to all primed areas.

Third Coat: This is the finish coat. Tnemec Series Seven Hundred Hydroflon or equal (two (2) to three (3) millimeters) color shall be white, chosen by Pinecrest Supports and Services Center.

* **Tank Interior Blasting and Painting:**

The tank interior shall be Society for Protective Coating-SP Ten Near-White Metal Blast Cleaned (National Association of Colleges and Employers Number Two). Standards set forth by the Society for Protective Coatings and National Association of Colleges and Employers International Standard.

First Coat: Upon completion of all interior blasting, contractor shall apply, Tnemec Series Ninety G-One K Nine Seven Zinc Primer or equal (two and a half (2.5) to three and a half (3.5) millimeters).

After completion of blasting and applying the first coat of Tnemec Series Ninety G-One K Nine Seven Zinc Primer or equal all pits shall be filled with Tnemec Series Two hundred fifteen Pit Filler or equal.

Stripe coat shall be applied by contractor to interior weld seams and nuts and bolts- Tnemec Series Twenty Pota-Pox Epoxy or equal.

Second Coat shall be applied by contractor to all primed areas- Tnemec Series Twenty Pot-Pox or equal (two (2) to six (6) millimeters).

Third Coat shall be applied by the contractor using Tnemec Series Twenty Pota-Pox or equal (two (2) to six (6) millimeters).

Upon completion of the blasting and three (3) coat paint system, all weld seams shall be caulked using Sika Flex One or equal.

Upon completion of all blasting and painting the tank will have to set for seven (7) days for the paint system to cure. After seven (7) day cure time, contractor shall disinfect the tank as follows. Tank Interior shall be Society for Protective Coatings- SP One High Pressure Washed. American Water Works Association C Six Five Two-Zero Two Method number two D. All tank surfaces shall be sprayed with two hundred (200) Miligram / Liter available chlorine solution.

* Upon completion of all work the site shall be left clean and free of debris.

**Planning and Scheduling:**

Contractor shall coordinate any demolition work with the agency. This shall include scheduling of work and storage of materials.

After notification that the contractor has been awarded the contract, the contractor shall contact maintenance manager: Shannon Aymond or Glennen Jones at (318) 641-2288.

Before entering agency grounds to commence work, the contractor shall check in with the maintenance department secretary each day.

Work hours shall be 7:30AM to 4:00 PM Monday through Friday unless approved by the maintenance manager.

Project shall be completed by May 31, 2024.