

Water Works District No. 9, Ward 4

Engineer's Report for December 12, 2022, Board Meeting

Report issued: December 12, 2022

**LEI Project No. 19-007 Water Storage Tanks Rehabilitation**

1. Construction is continuing and the following is a general summary of construction work completed since last report:
  - 1.1. EWST #1 Volunteer Road
    - 1.1.1. Exterior of tank:
      - 1.1.1.1. Level indicator has been removed and plate has been a steel plate covering resulting hole in the roof has been sealed welded inside and outside.
      - 1.1.1.2. Removed existing 20-inch primary shell manway and replaced it with a 30-inch manway and davit slide.
      - 1.1.1.3. Installed Four (4) Fall Protection Tie-off Cleats positioned around the tank vent.
    - 1.1.2. Interior of tank:
      - 1.1.2.1. Removed and replaced the existing interior riser access ladder.
      - 1.1.2.2. Completed the abrasive blast and zinc prime coat application of the tank interior surface including the riser.
    - 1.1.3. Contractor is continuing to work on EWST #1 including the following items of work:
      - 1.1.3.1. Installation of new 4" weld-o-let at the base of the riser.
      - 1.1.3.2. Removal of the interior ladder from the bottom of the bowl to the roof hatch.
      - 1.1.3.3. Install intermediate coat and final coat on interior surface.
      - 1.1.3.4. Install horizontal stabilizing rod and turnbuckle from riser to leg 5 and paint as required.
      - 1.1.3.5. Install additional Series 20 initial coat on exterior surface above the balcony.
      - 1.1.3.6. Complete the installation of Series 73 intermediate coat on the exterior surface.
      - 1.1.3.7. Install final Hydroflon coat on the exterior surface, including logos.
      - 1.1.3.8. Install non-slip rung covers on exterior ladders.
      - 1.1.3.9. Disinfect tank interior, obtain passing Bac-T test, and put the tank back in service.
    - 1.1.4. Contractor estimates 2-3 weeks to complete the work weather permitting.
  - 1.2. EWST #2 Mosswood Drive
    - 1.2.1. Exterior of tank:

- 1.2.1.1. Contractor has begun installation of containment system. All steel clips/lugs for structure support have been welded to the tank. No additional work will be performed until EWST #1 is complete and operational.

**2. LEI Project No. 21-011 New Horizontal Pressure Filter #6**

- 2.1. Construction is continuing and the following is a general summary of construction work completed since last report:
  - 2.1.1. Filter media has been installed.
  - 2.1.2. All face piping including valve installation is complete.
  - 2.1.3. All electrical work is complete including termination of conductors.
- 2.2. Contractor plans to complete all required painting of filter and face piping by the end of December, weather permitting.
- 2.3. Filters will be disinfected, and Bac-T tested by the end of December.
- 2.4. Gulf States/Primex have made the necessary modifications to the SCADA system to bring the filter on line.
- 2.5. Filter start up is scheduled for January 4, 2023. Engineer, Contractor, H&T representative, and Gulf States/Primex representative will be on site for the filter start-up.
- 2.6. The Filter should be operational January 5, 2022.