



Groundwater Treatment Plant Valve Rehabilitation – Phase 1 Valve and Actuator Purchase

June 8, 2023

Background

- GWTP constructed in 1994
- In 2020, a condition assessment was performed at the GWTP Filter Gallery
- Recommendations include the replacement/installation of 55 valves and 62 actuators, miscellaneous repairs, and electrical upgrades



Corrosion on top bonnet cover of valve



Corroded indicator bracket



Minor seepage below pipe penetration



Scouring of mortar lining and corrosion staining at end of spool

Construction Phasing – Phase 1

- Scope of Work
 - Replacement of 25 valves & 30 actuators
 - Installation of 2 new valves/actuators
 - Additional miscellaneous repairs
- Project Schedule
 - March – December 2024 to coincide with scheduled GWTP shutdown in March 2024
 - Construction RFP to be issued in summer 2024



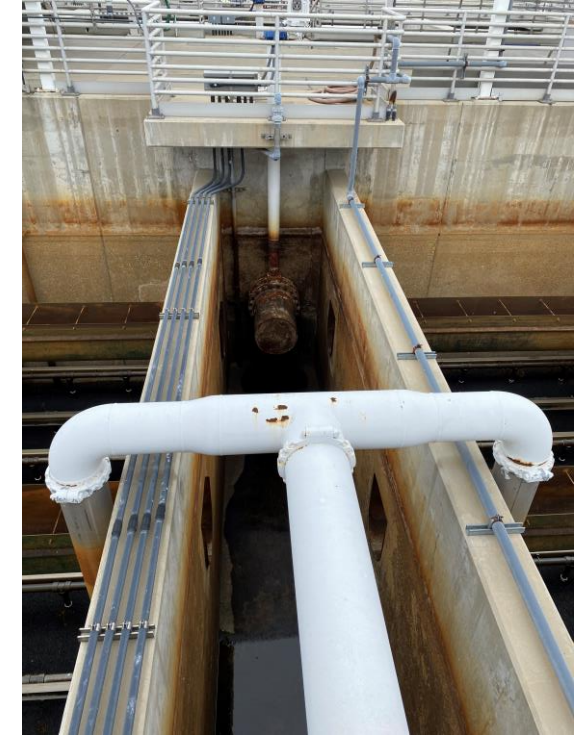
Project Location

Construction Phasing – Phase 2



Valves & piping inside the filter gallery

- Scope of Work
 - Replacement of 28 valves & 30 actuators
 - Additional miscellaneous repairs
- Project Schedule
 - Construction to occur in 2026
 - Will coincide with scheduled GWTP shutdown



Replacement of valves, actuators, & pipe spools inside filter

Valve & Actuator Purchase

- (27) 14"-36" butterfly valves & (32) electric actuators including storage, testing, startup/adjustment and warranties
- 24-week lead time
- Longest lead times were 16 weeks previously



Butterfly Valve



Electric Actuator

Recommendation

- Adopt Specification WD-05-23 for the Groundwater Treatment Plant Valve Rehabilitation – Phase 1 Valve and Actuator Purchase (EO-3529) and authorize the General Manager to execute an agreement with Santa Fe Water Systems, in the amount of \$1,064,751.



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