



Del Oro Traver District TCP Mitigation Project



Summary

The synthetic organic chemical and carcinogen 1,2,3 Trichloropropane (TCP) was detected in Well 3 at levels exceeding the maximum contaminant level (MCL). There are only two active groundwater wells available to supply the surrounding community. Well 3 provides a capacity of 550 gallons per minute to the area. Provost & Pritchard Consulting Group and Dawson-Mauldin Construction will install two Granular Activated Carbon (GAC) Vessels along with the accompanying structures, apparatuses, and instrumentation at the well site to remove TCP from the water. The GAC vessels are essentially large-scale versions of a Brita Filter. Additionally, the nitrate concentration will be monitored due to high nitrate levels found in the area. Construction began in January, with the goal to start treatment in June 2021.

Timeline (as of 1/13/21)

Notice to Proceed

December 2020

Submittals and Review

December 2020-
January 2021

Mobilization/Clearing

January 2021

Construction

January-May 2021

Filter Media Installation

May 2021

Start-up

May/June 2021

Demobilization

May/June 2021

*Subject to change

Treatment Train

Well

- Treatment location at Well 3

GAC Vessels

- Manufactured by AqueoUS Vets
- Two GAC filters for redundancy and backwash

Disinfection

- Chlorine injection by chemical dosing pump

Analyzers

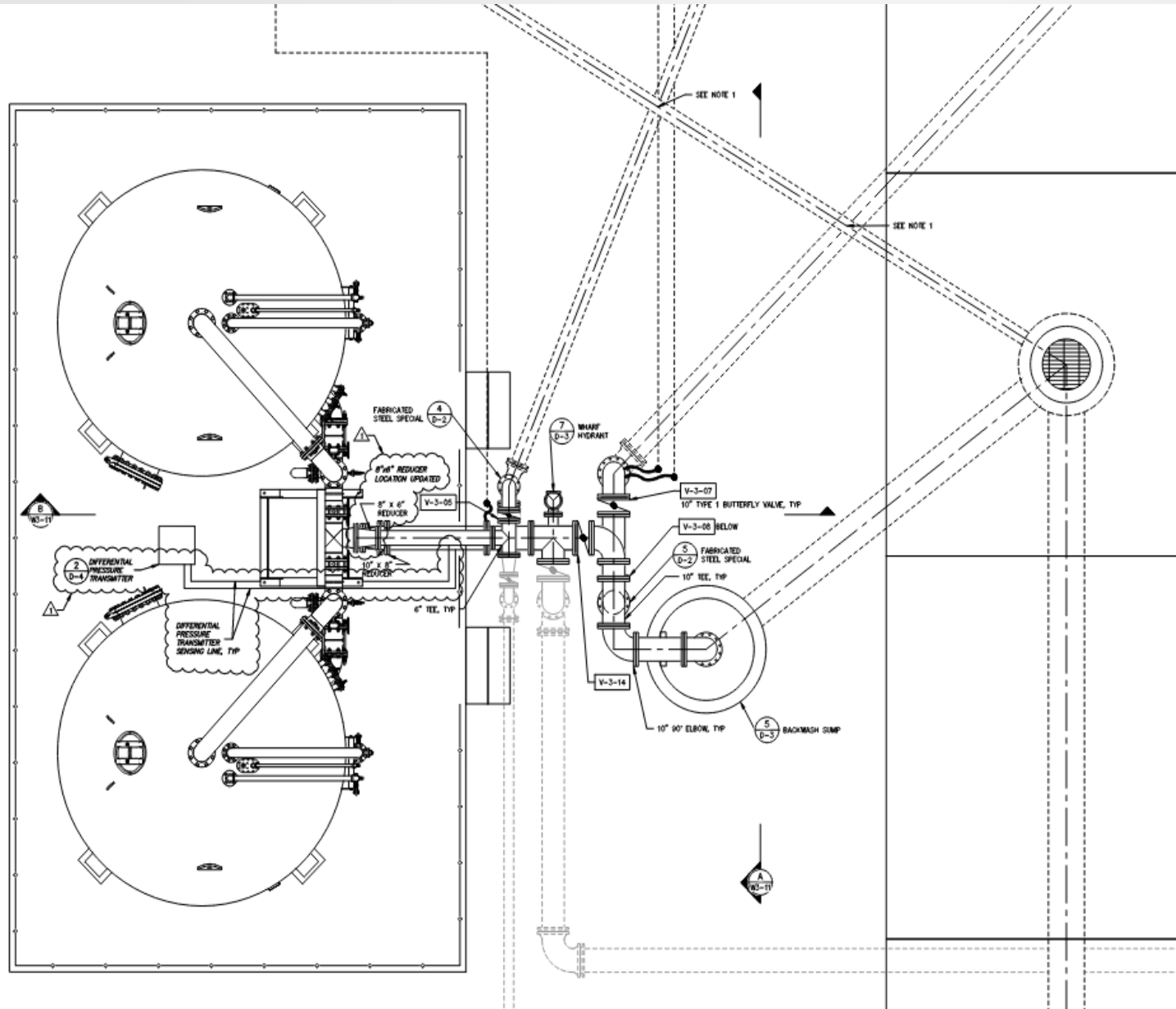
- Chlorine Residual Analyzer
- Nitrate Analyzer

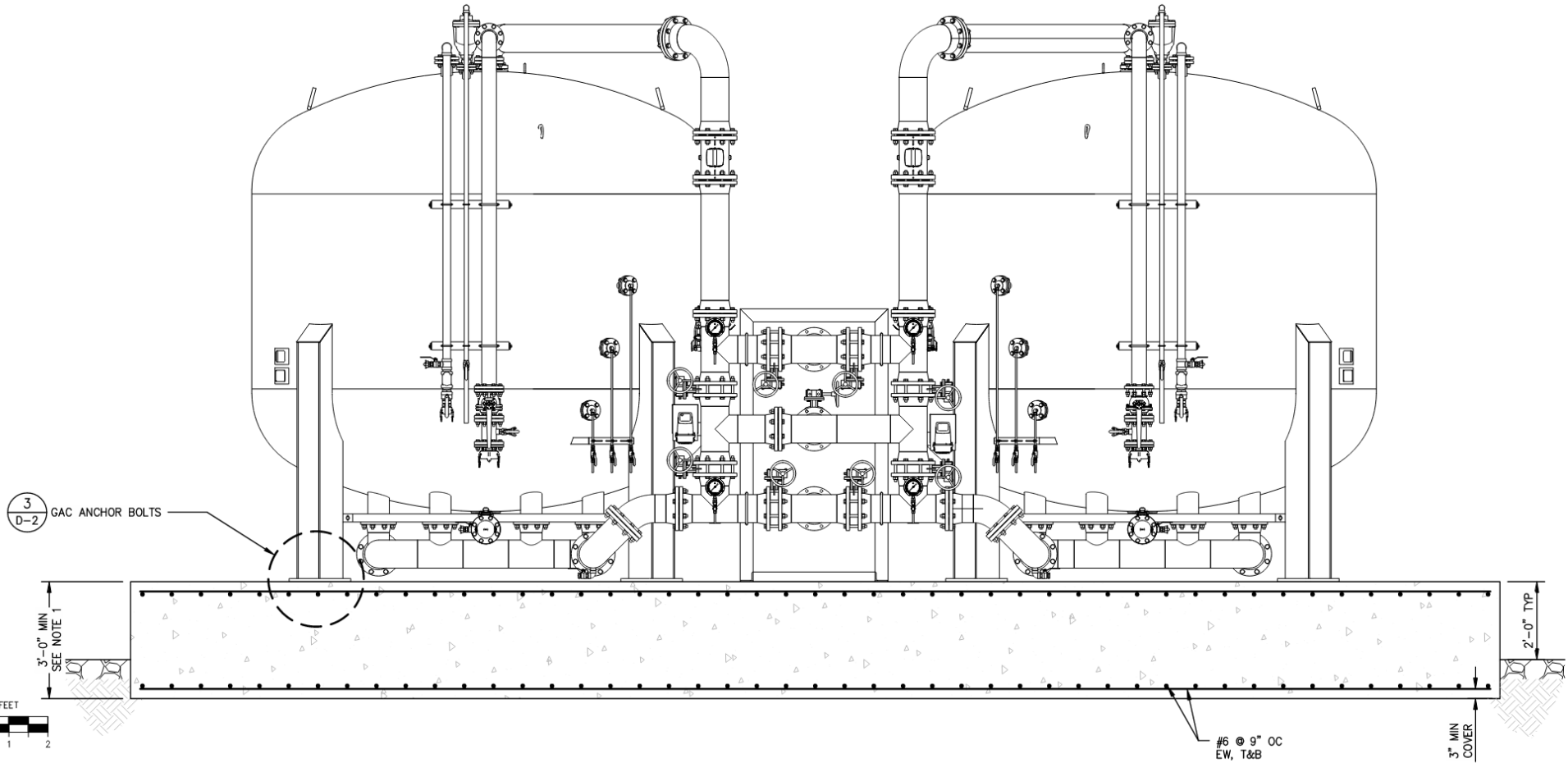
Distribution System

- Treated water is distributed through the existing system after treatment
- Backwash water will be sent to a nearby county stormwater basin



*AqueoUS Vets GAC Vessel Example – Traver configuration will differ.





GAC VESSELS FRONT VIEW

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D-2