

PFAS Treatment at Linn Drive and Fairview Avenue Well Stations – Project Update

Town Council Meeting

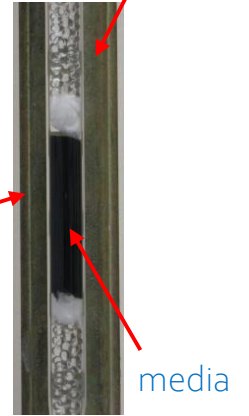
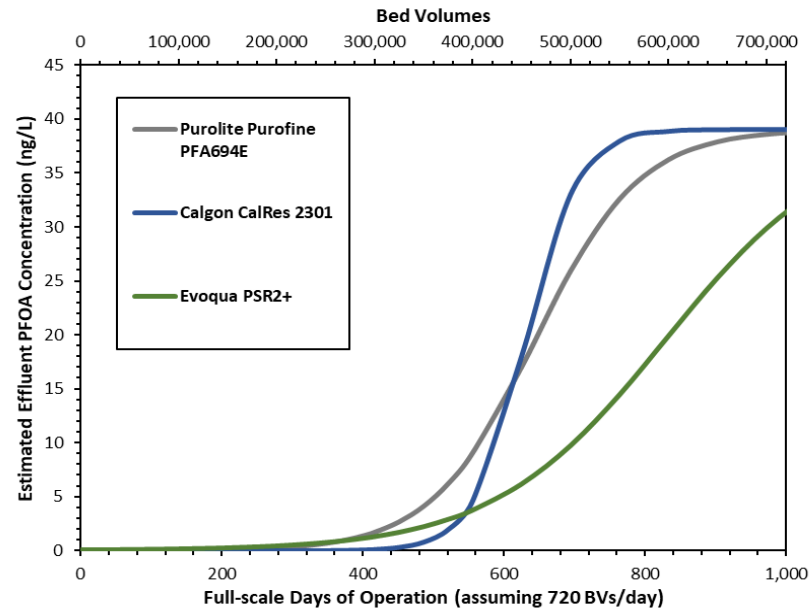
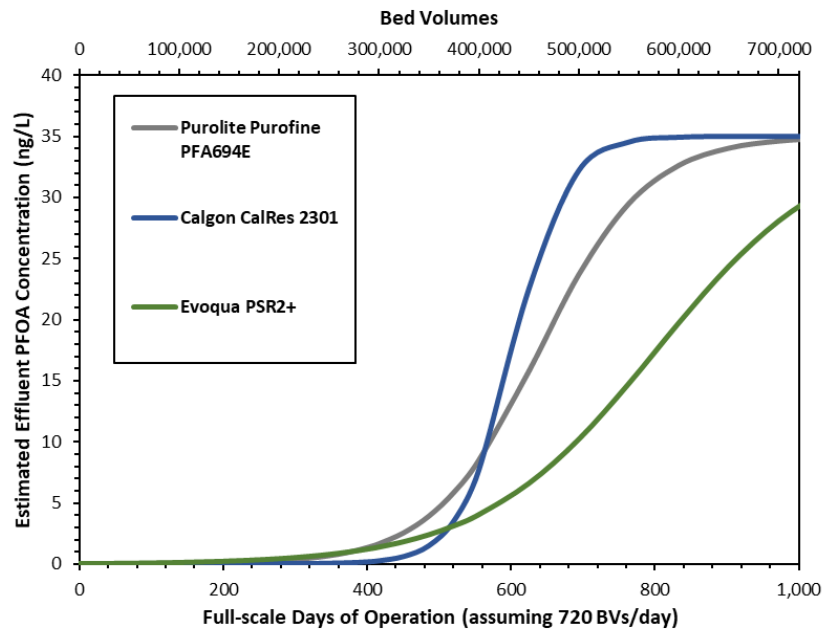
May 15, 2023

Project Update

- Linn Drive and Fairview Ave Well Stations remain offline until new treatment can be incorporated to address elevated Perfluorooctanoic Acid (PFOA) and other Per- and Polyfluoroalkyl Substances (PFAS) concentrations that have been detected.
- Verona will continue to purchase water from PVWC to account for the lost capacity from these wells.
- Ion Exchange (IX) Treatment is being implemented at both well stations, along with arsenic treatment at Linn Drive.
- Linn Drive design has been completed; awaiting NJDEP permit, approval of plans & specifications and authorization to bid
- Fairview Avenue design is in process; requires NJDEP site approval (Green Acres)

Rapid Small Scale Column Testing (RSSCT)

- Conducted RSSCTs for both wells to compare IX media which simulated full-scale performance in short time-period
- All 3 resins tested effectively removed PFAS and indicated a minimum of 18 months of operation before changeout



Linn Drive Well Station Upgrades

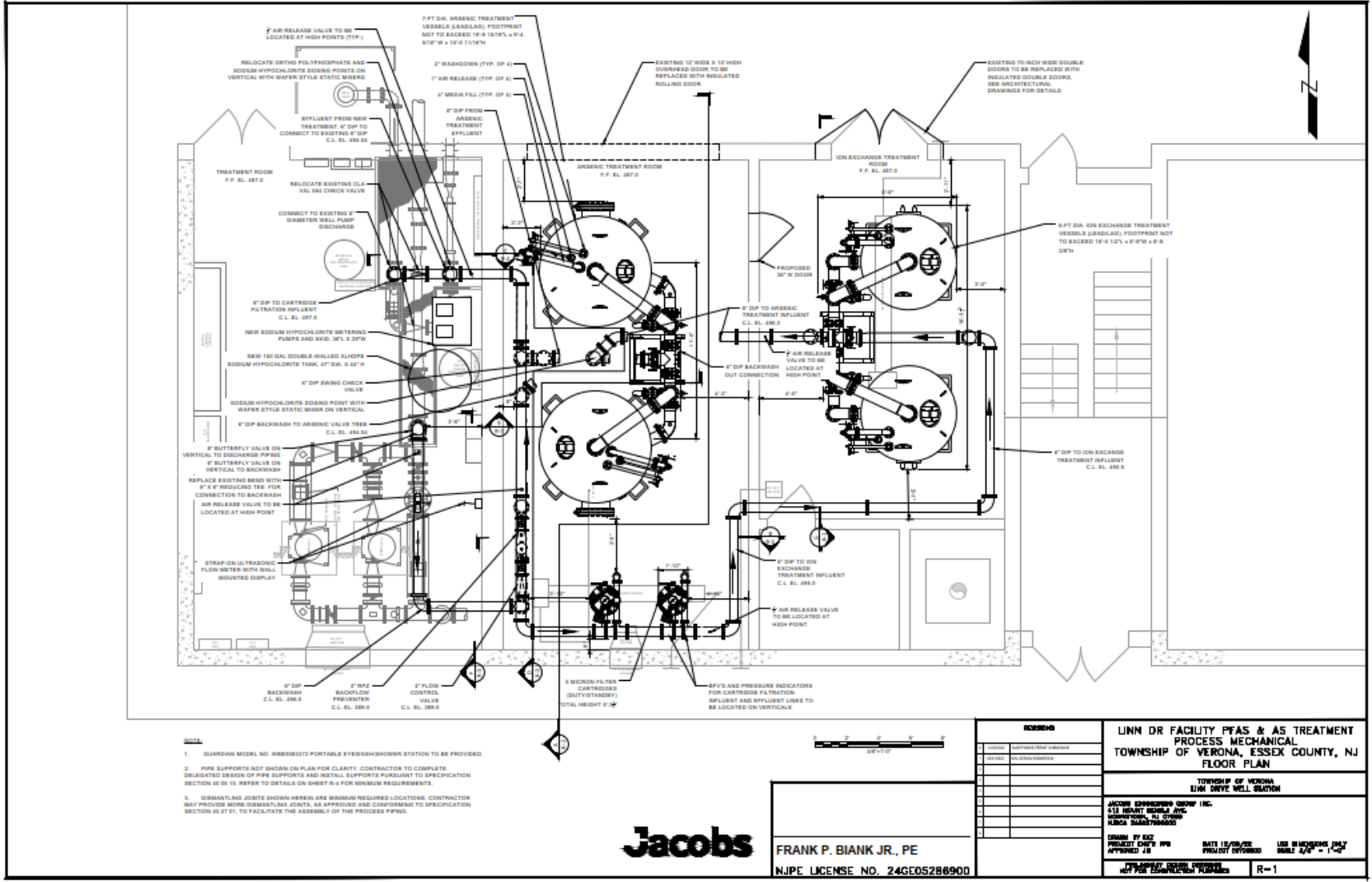
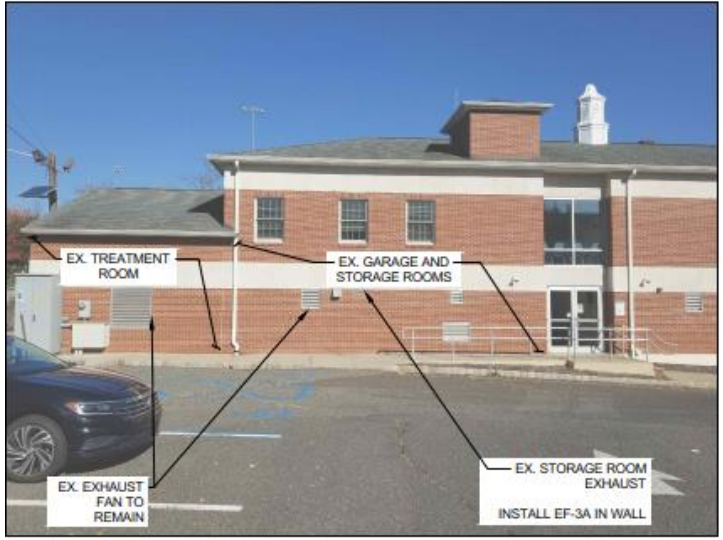
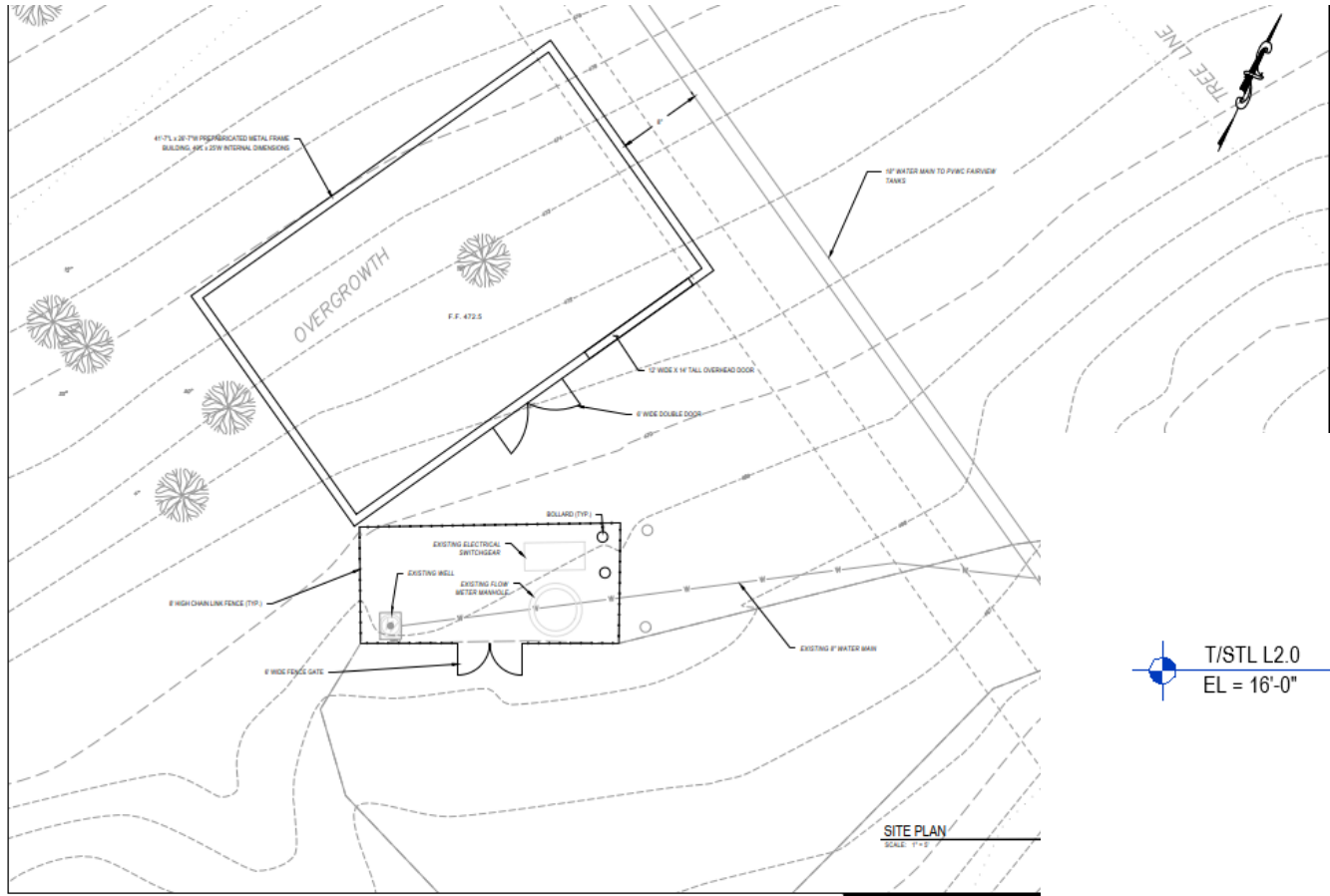


PHOTO 1

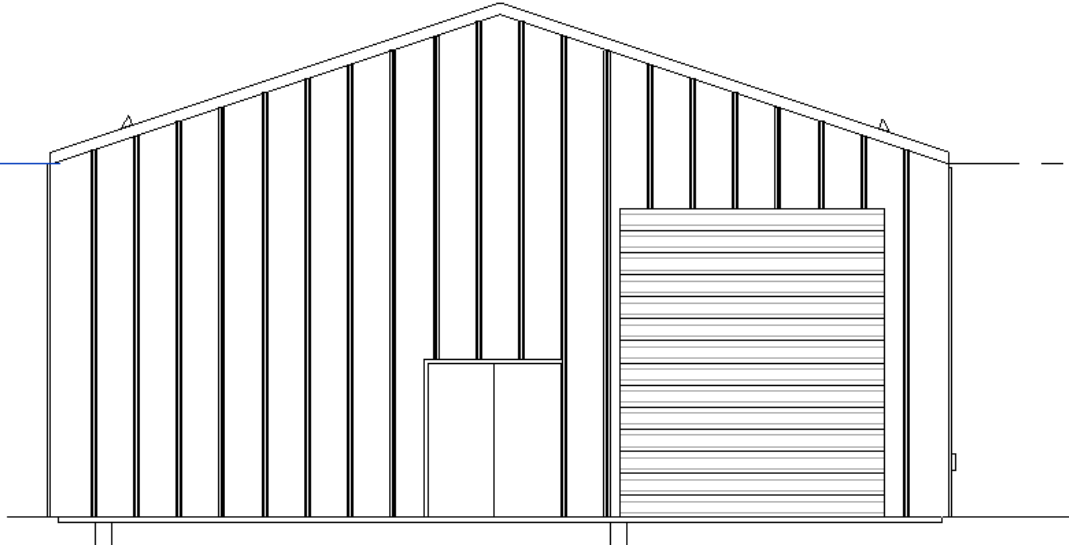


Fairview Ave Well Station Site Plan & Elevations

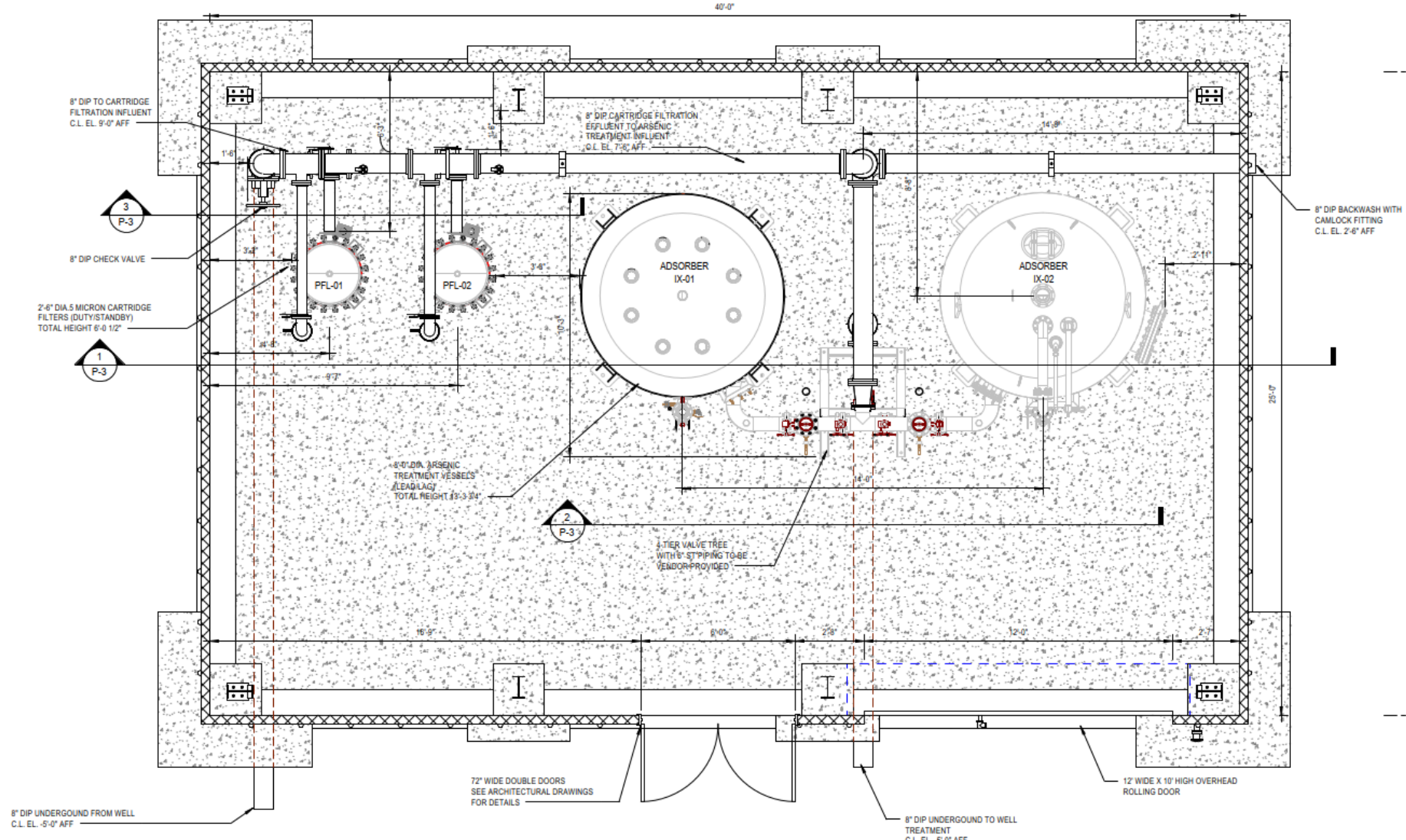


T/STL L2.0
EL = 16'-0"

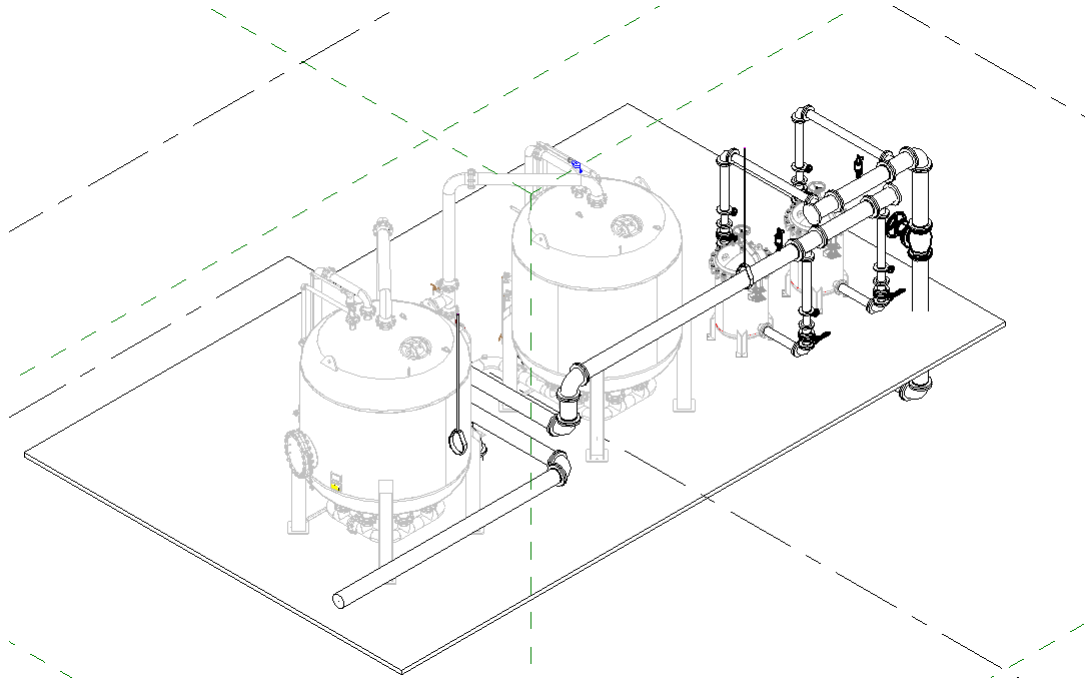
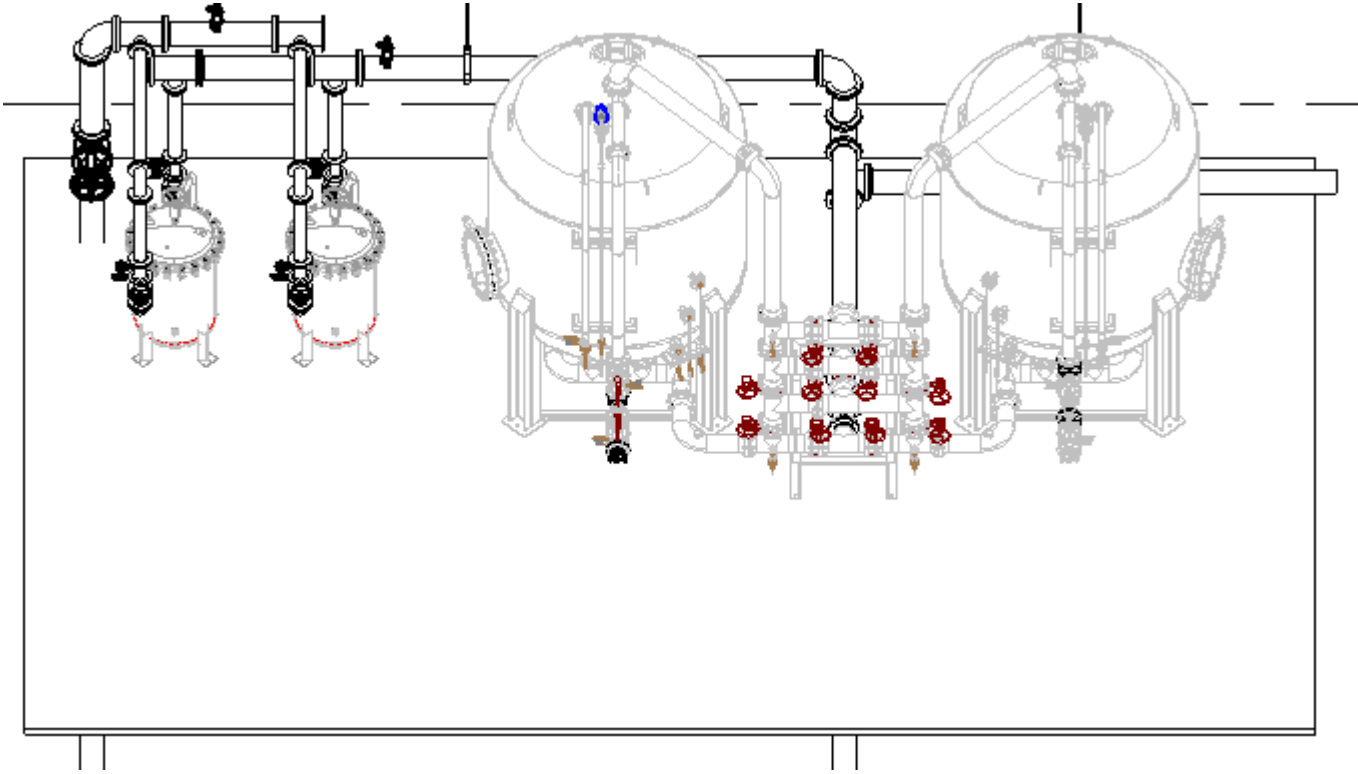
T/SLAB L1.0
EL = 0'-0"



Fairview Ave Well Station Process Mechanical Plan



Fairview Ave Well Station Process Mechanical Model



Schedule Milestones

- Anticipated NJDEP Authorization to Bid
 - Linn Drive – July 2023
 - Fairview Ave – Oct 2023
- Construction NTP & In-service Milestones
 - Linn Drive
 - NTP – Oct 2023
 - In Service by Summer 2024
 - Fairview Ave
 - NTP – Jan 2024
 - In Service by Summer 2025

Questions