

Shawn McWilliams Project Engineer, Regional Conveyance



Planned 2023 Construction Contracts



WWTP Plant Construction

Project	Est. Budget	Bid Timeframe
Contract 1787: Misc. Tank Demo and Replacement	\$900,000	Q2 2023



Miscellaneous Tank Demolition and Replacement





Tank Containment 12,000 Gal Diesel Tank

- Removal of unused 250,000 gallon tank and replacement with a 12,000 gallon doublewalled tank
- Removal of unused 12,000 gallon tank
- Removal of unused containment structure



Miscellaneous Tank Demolition and Replacement



(3) Lime Silos

- Removal of (3) unused lime silos from roof of Lime Building
- Perform roof repairs after silo removal

Roof Replacement



Miscellaneous Tank Demolition and Replacement





7,000 Gal Peroxide Tank

- Removal of unused storage tanks
 - 7,000 gallon tank
 - 6,000 gallon tank
- Removal of containment structure
- Project Est. Budget: \$900,000



Conveyance System Construction and Projects

Project	Est. Budget	Bid Timeframe
Contract 1746: Melanchton Pump Station Replacement	\$1,800,00	Q3/2023
Contract 1763: Access Shafts at A-40 and M-49	\$5,500,000	Q4/2023
Contract 1764: O-15/O-16 New Structure & Access Manhole	\$1,500,00	Q3/2023
Contract 1770: Various Improvements to the Ella and Corliss Pump Stations	\$4,000,000	Q4/2023
Contract 1779: 2023 Annual Interceptor Cleaning and Inspection	\$2,500,000	Q2/2023
Contract 1783: Site Demolition Contract	\$300,000	Q2/2023



Contract 1746: Melanchton Pump Station Replacement

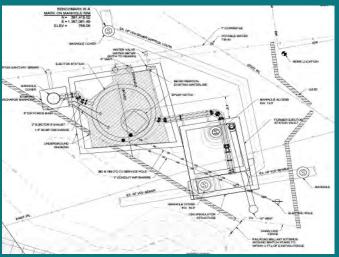


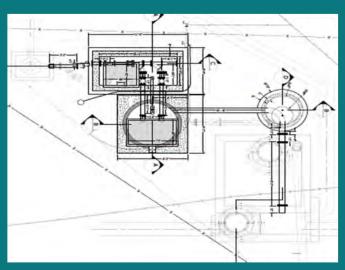
- Demolish existing ejector station within fenced (red) area
- Create fenced/gated entrance, requires clearing & grubbing (yellow)
- Install new package submersible pump station, including controls and emergency generator w/ transfer switch
- NOTE: Work is within railroad zone of influence, requiring flagging and approved support of excavation
- Project Est. Budget: \$1,800,000

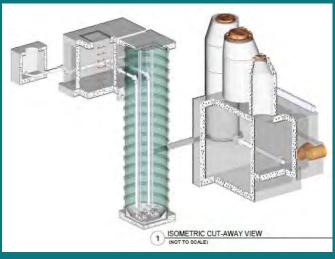


Contract 1746: Melanchton Pump Station Replacement





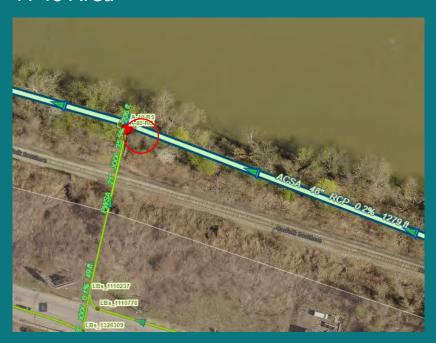






Contract 1763: Access Shafts at A-40 & M-49

A-40 Area*



M-49 Area

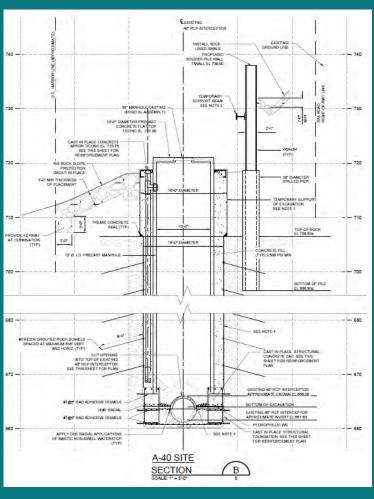


^{*}Barge-based work anticipated due to location along river and next to railroad tracks



Contract 1763: Access Shafts at A-40 & M-49

A-40

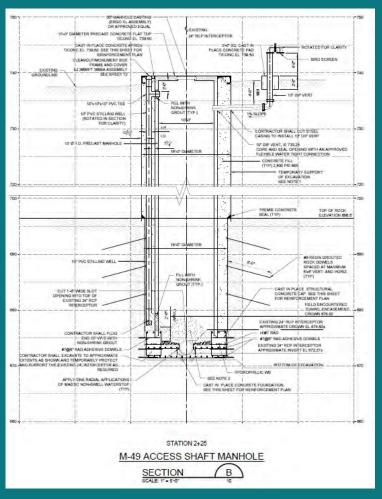


- Install new access shaft manhole onto existing deep tunnel interceptor
- 10-ft inside diameter finished precast concrete manhole
- Support of excavation will require measures both soil and rock
- Approximate excavation depth is 60-ft
- Retaining wall construction required on high side (R.R. up hill); soldier beam and lagging shown
- Doghouse construction shown at base over existing 48-in diameter sewer
- Barge-based work due to location



Contract 1763: Access Shafts at A-40 & M-49

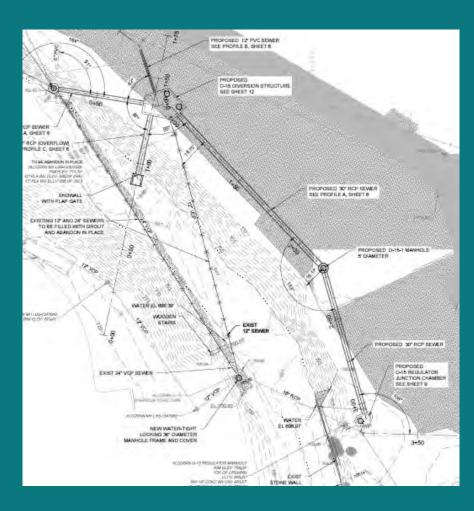
M-49



- Install new access shaft manhole onto existing deep tunnel interceptor
- 10-ft inside diameter finished precast concrete manhole
- Support of excavation will require measures both soil and rock
- Approximate excavation depth is 70-ft
- Doghouse construction shown at base over existing 24-in diameter sewer
- Project Est. Budget: \$5,500,000



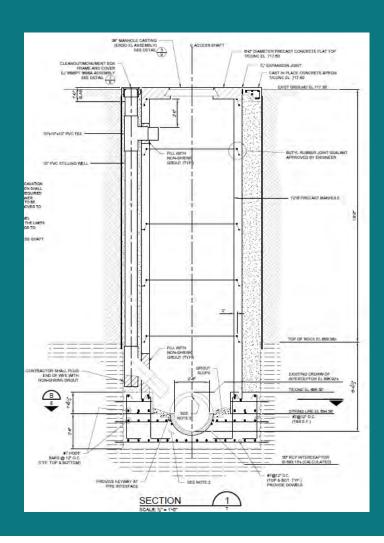
Contract 1764: O-15/O-16 New Structure & Access Manhole



- Replace and reroute existing 24" interceptor with 30" RCP
- Relocate diversion structure upstream and create new outfall
- Install new connection to existing regulator structure and modify structure for new flow patterns



Contract 1764: O-15/O-16 New Structure & Access Manhole



- Install new access shaft manhole onto existing deep tunnel interceptor
- 6-ft inside diameter finished precast concrete shaft manhole
- Support of excavation will require measures for both soil and rock
- Approximate excavation depth is 27-ft
- Doghouse construction shown at base over existing 30-in diameter sewer
- Project Est. Budget: \$1,500,000



Contract 1770: Various Improvements to Ella and Corliss Pump Stations



Ella Street Pump Station



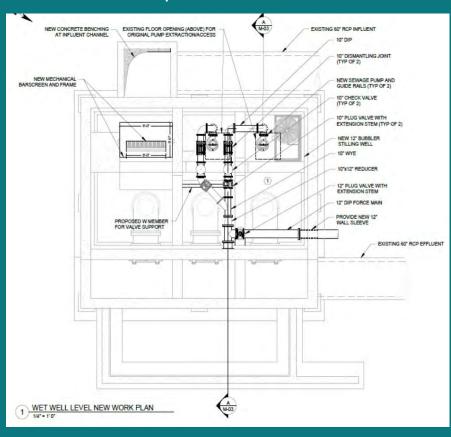
Corliss Pump Station*

*Barge-based work anticipated due to location along river and next to railroad tracks



Contract 1770: Various Improvements to Ella and Corliss Pump Stations

Ella Street Pump Station

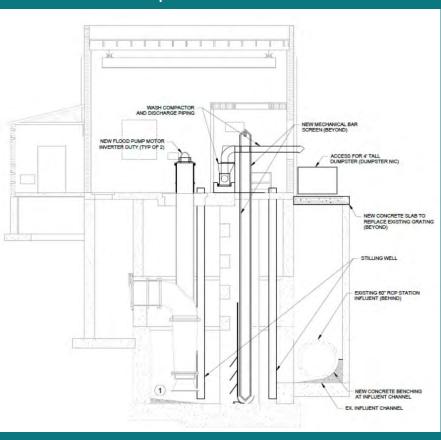


- Replacement of 10" submersible sewage pumps, internal piping and force main replacement to new manhole on property
- Installation of new meter pit with mag meter
- Replacement of approx. 225 LF of 18" gravity sewer and three manholes
- Replacement of bar screen system with added washer compactor



Contract 1770: Various Improvements to Ella and Corliss Pump Stations

Ella Street Pump Station

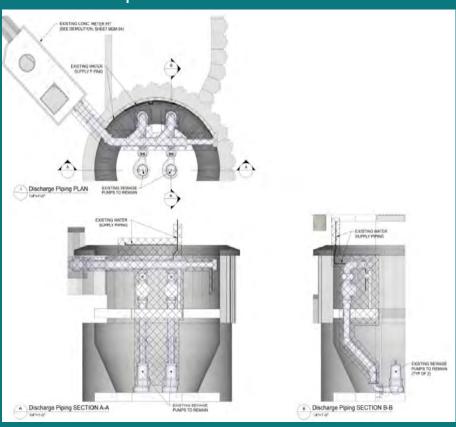


- Replacement of (3) motors for 42" storm pumps
- Addition of VFDs for sewage and storm pumps
- Relocation and replacement of level sensing equipment
- Work requires bypass pumping

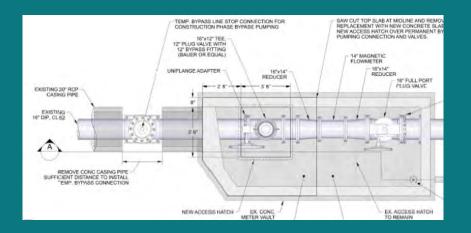


Contract 1770: Various Improvements to Ella and Corliss Pump Stations

Corliss Pump Station



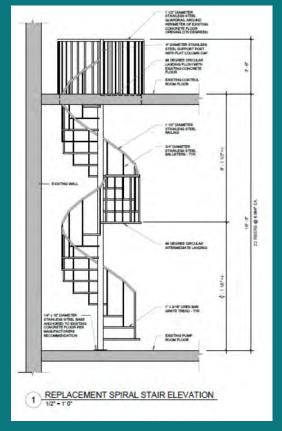
- Replacement internal discharge piping and external piping up to valve pit
- Replacement and reconfiguration of valve equipment and piping in valve pit
- Installation of a permanent bypass pumping connection to existing force main piping
- Work requires bypass pumping

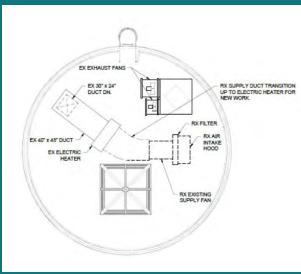




Contract 1770: Various Improvements to Ella and Corliss Pump Stations

Corliss Pump Station

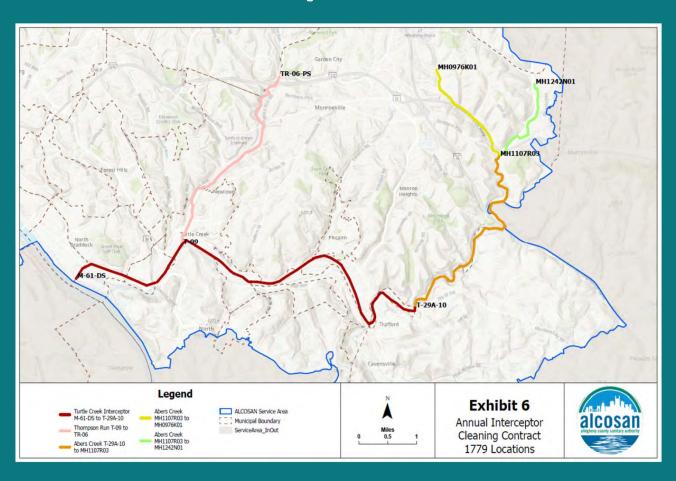




- Replacement of existing spiral staircase with stainless steel
- Replacement of all supply fan hardware
- Balancing of the HVAC system
- Replacement of roof, including the skylight
- Site access planned by barge due to location
- Project Est. Budget: \$4,000,000



Contract 1779: 2023 Annual Interceptor Cleaning and Inspection



- Work focused primarily on pipe inspection; cleaning as needed
- Work area is the Turtle Creek / Thompson Run Interceptors
- Work includes 19.6 mi. of 10" – 54" sewers
- Project Est. Budget: \$2,500,000



Contract 1783: Site Demolition Contract



- Demolish existing buildings
- Terminate existing utilities
- Replace/ repair fencing
- Environmental assessments for abatement currently underway



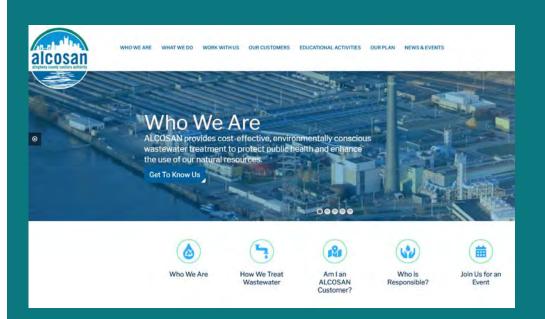
Contract 1783: Site Demolition Contract



- Demolish existing buildings
- Terminate existing utilities
- Replace/ repair fencing
- Environmental assessments for abatement currently underway
- NOTE: Vehicles in photo already removed
- Project Est. Budget: \$300,000



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Questions / Comments?

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