



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

April 17, 2019

- **Installing 36in FW Pipe**
- **Building subgrade for North Plant structures**
- **Reinforced and pouring truck wheel wash pads**



Building up & compacting North Plant pads



Completed rebar for truck wheel wash driveway pad



Pouring truck wheel wash driveway pad



Installing 36in FW pipeline





Construction Progress – EWP 4 – Raw Water Corridor

- **Cutting pipeline excavation, and installing shoring system**
- **Delivering 108in Pipe Joints**
- **Laying 108in Pipe, & tack welding joints**
- **Placing CLSM & backfilling**
- **Tunneling operation**
- **Completion of Middle and South Auger Bores**



HWT Pipe Crew repairing existing box culvert in West Corridor



Laying 108in Pipe in West Corridor approaching main site



Shoring Installation in East Corridor



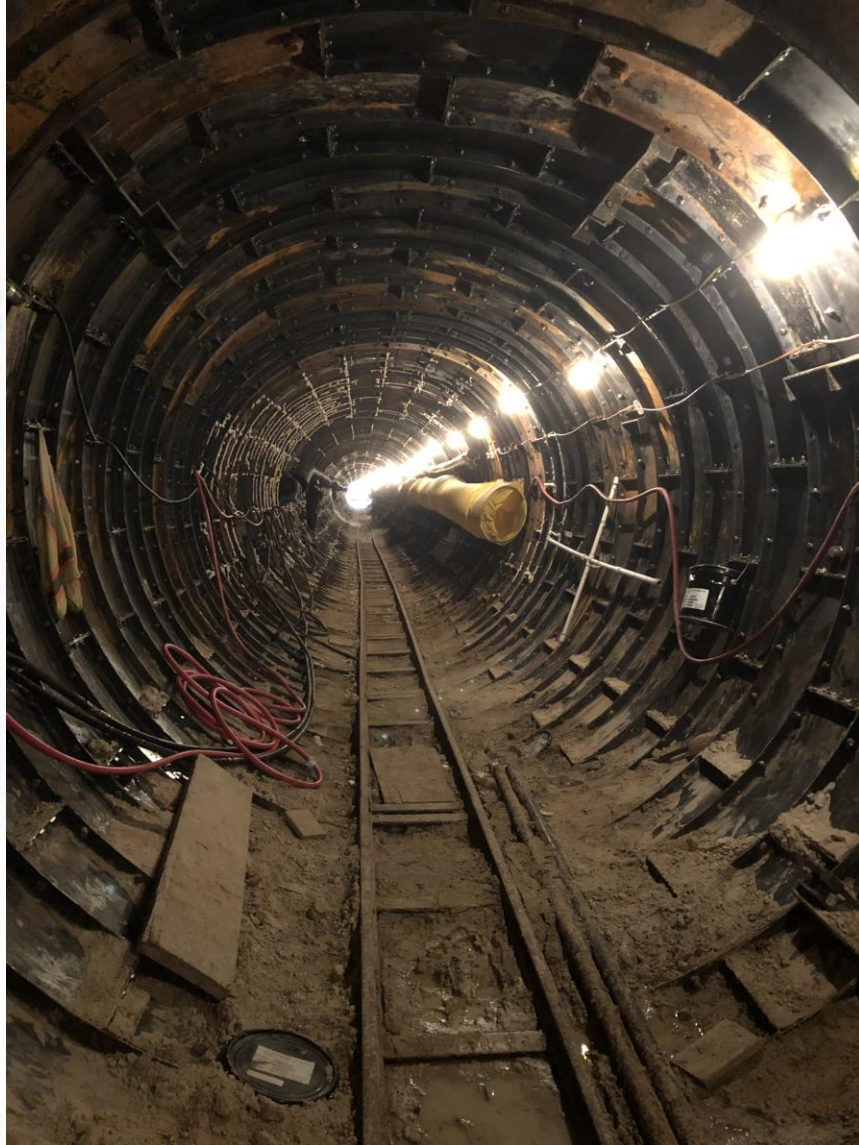
Auger bore Casing Bulkheads



Houston Waterworks Team



Tunneling operation





Construction Progress – EWP 2 Filter Structure & TPS

FILTER STRUCTURE:

- Reinforcing Base slabs.
- Placing & Encasing Sanitary Drain Pipe Section.
- Backfilling between Filter & TPS.
- Placing FD Pump Can Slabs

TPS:

- Strip Form Wall C2.
- Tying Rebar and Forming Walls B2, A2, and A4.
- Wall BW4 Concrete Repair



FILTER STRUCTURE- Reinforcing Base slabs.



FILTER STRUCTURE- Placing & Encasing Sanitary Drain Pipe Section



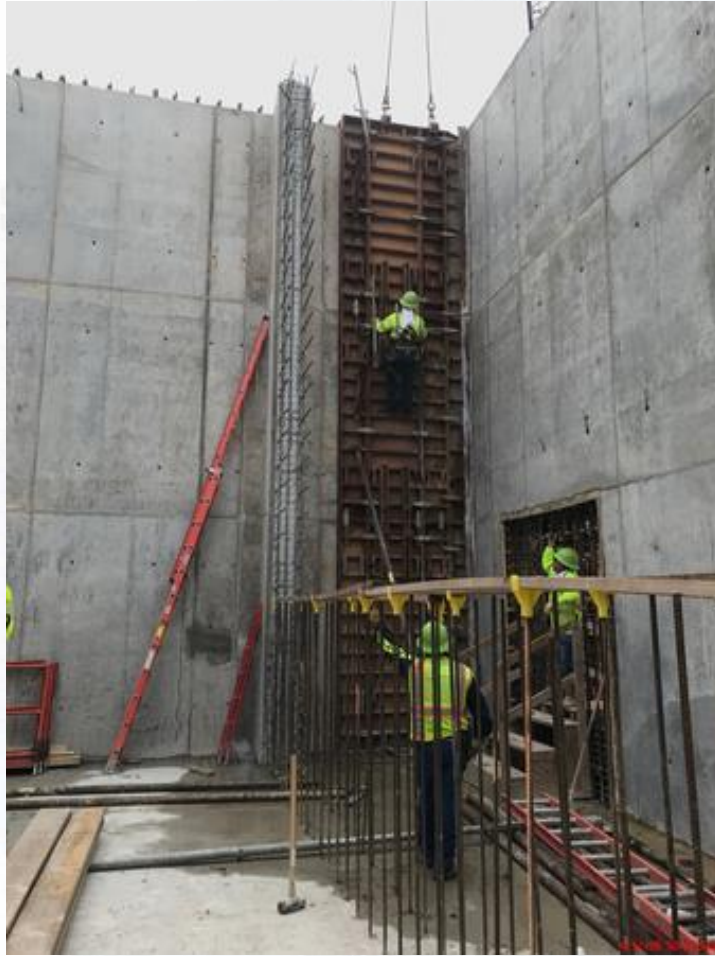
FILTER STRUCTURE- Backfilling between TPS & Filter



FILTER STRUCTURE- Placing FD Pump Can Slabs



TPS- Strip Form C2 Wall



TPS- Tying Rebar and Forming Walls A2, B2, and A4



TPS – Wall BW4 Concrete Repair





Construction Progress – EWP 6 – Intake Pump Station

- **Preparing for temporary bulkhead installation**



Excavating For Temporary Bulkhead and Connecting Tie Rods

