



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

April 10, 2019

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

Building up & compacting North Plant pads



Reinforcing truck wheel wash driveway pad



Excavating 36in FW pipeline





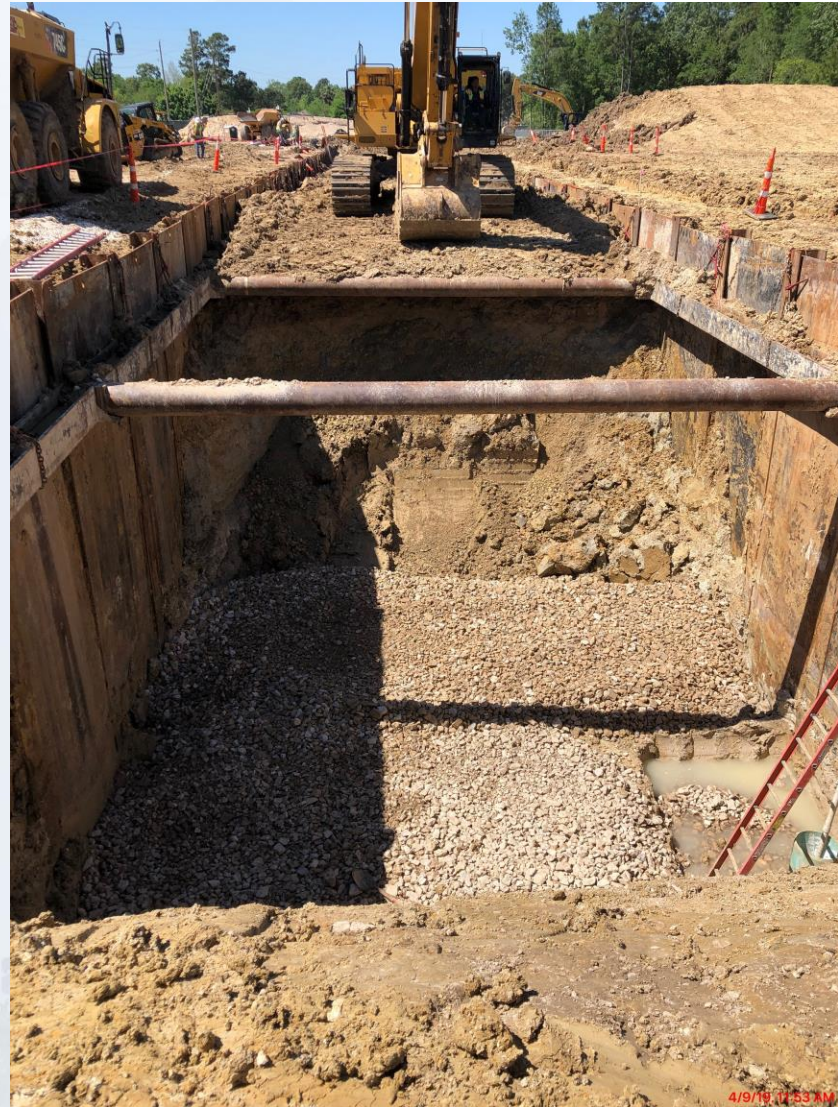
Construction Progress – EWP 4 – Raw Water Corridor

- **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**

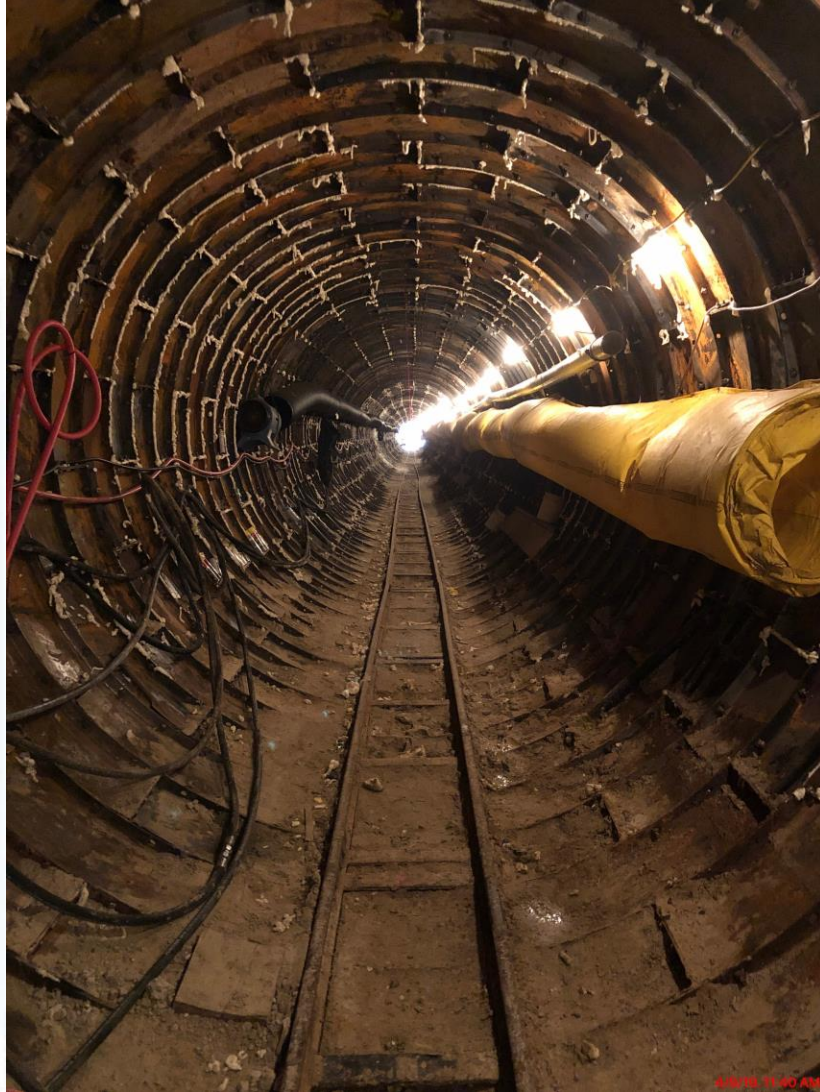


and CSW placement with Native Backfill

Backfill



Tunneling operation (390 LF Completed)





Construction Progress – EWP 2 Filter Structure & TPS

FILTER STRUCTURE:

- **Forming Base Slabs/ Reinforcing Walls**
- **Installing PVC Drain Pipe**
- **Excavation (FD Pump Can) & Backfill (b/w TPS & Filter)**

TPS:

- **Setting & Tying Wall A2 Rebar.**
- **Repair Concrete Wall BW4.**



FILTER STRUCTURE- Forming Base Slabs/ Reinforcing Walls



FILTER STRUCTURE- Installing PVC Drain Pipe



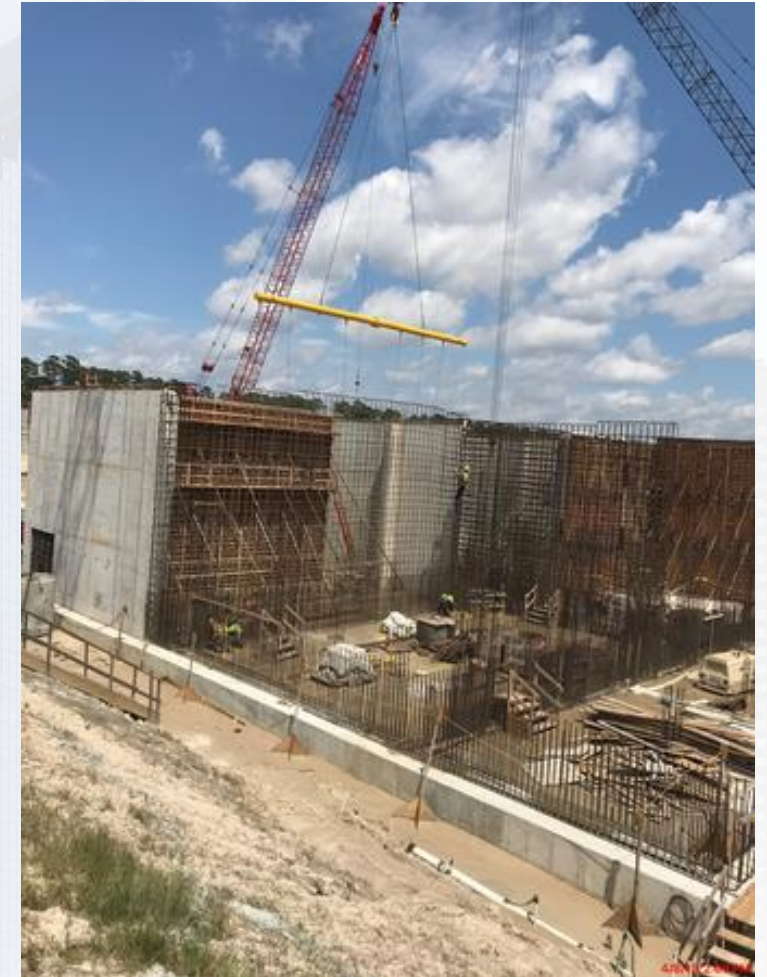
FILTER STRUCTURE- Excavation (FD Pump Can) & Backfill (b/w TPS & Filter)



TPS & Filter- Backfill Between TPS and Filter Module



TPS - Setting & Tying Rebar A2 Wall



TPS - Concrete Repair BW4 Wall





Construction Progress – EWP 6 – Intake Pump Station

- **Preparing for CTB for IPS Road**
- **Import and compacting CTB for IPS road**
- **Preparing for temporary bulkhead installation**
- **Setting up vibration hammer for temporary bulkhead**
- **Starting of Pile Driving**

Vibration Hammer Driving Piles

