



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team



Mass Safety Meeting – Fall Protection





Construction Progress – EWP 1 Site Development

April 3, 2019

- **Installing 36in FW Pipe**
- **Building subgrade for North Plant structures**
- **Installing truck wheel wash**
- **Installed dewatering system for Filter pump cans excavation**



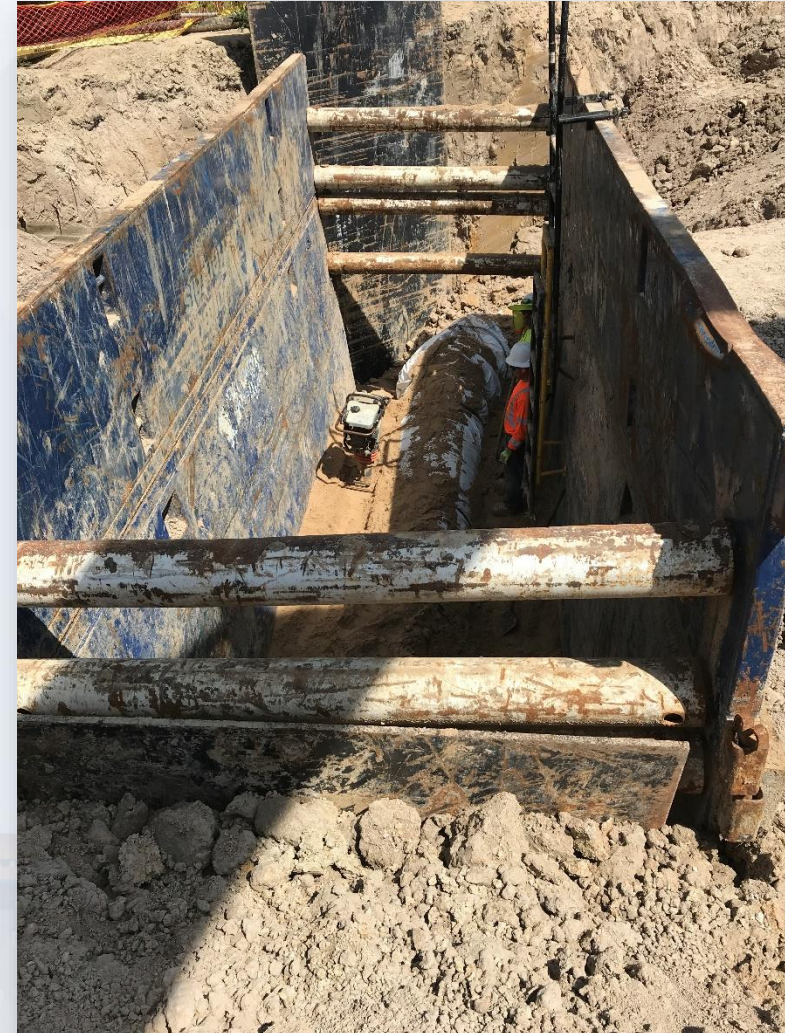
Building up & compacting North Plant pads



Forming truck wheel wash pad



Installing 36in FW pipe, and compacting backfill



Installed dewatering system for Filter pump can excavation





Construction Progress – EWP 4 – Raw Water Corridor

- **Cutting pipeline excavation, and installing shoring system in East Corridor**
- **Delivering 108in Pipe Joints**
- **Laying 108in Pipe, & tack welding joints**
- **Placing CLSM**
- **Tunneling operation**



Tunneling operation





Construction Progress – EWP 2 Filter Structure & TPS

FILTER STRUCTURE:

- Reinforcing/Pouring walls
- Backfilling(around Bypass Vault & Pipe encasement)
- Finished installing underslab CFE/FTW pipeline.
- Excavating for Pump Cans.

TPS:

- Tying & Forming C2 wall.
- Pouring C2 wall.



FILTER STRUCTURE- Reinforcing/Pouring walls



FILTER STRUCTURE- Backfilling (Bypass Vault & Pipe encasement)



FILTER STRUCTURE- Finished Installing Underslab CFE/FTW Line



FILTER STRUCTURE- Excavating for Pump Can slab



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TPS- Tying & Forming Baffle Walls BW1 & BW4



TPS- Setting and Tying Rebar B2 Wall





Construction Progress – EWP 6 – Intake Pump Station

- **Preparing for CTB for IPS Road**
- **Import and compacting CTB for IPS road**
- **Continued temporary bulkhead installation**
 - **Excavation**
 - **Driving sheet piles**

Spreading crushed rock for access road



Installing sheet piles for temporary bulkhead



