




CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion





Construction Progress – EWP 1 Site Development

Feb 20, 2019

- **Excavating and laying 36in FW Pipeline**
- **Prepping road 1 for asphalt paving**
- **Placed tack coat and first lift of asphalt paving**
- **Cutting & Stabilizing Road 3**
- **Cutting/prepping North Plant pad subgrade**
- **Hydro-vacuuming to relocate fiber-optic cable for 30in FW tie-in**



Prepping Road 1 for Asp



Placed tack coat



Placing and roll compacting asphalt



Placing and roll compacting asphalt



Importing/placing/compacting select fill subgrade for North Plant pad



Cutting and stabilizing Road 3



Hydro-vacuuming to relocate fiber optic cable for 30in FW Tie-in





Construction Progress – EWP 4 – Raw Water Corridor

- **Cutting pipeline excavation, and installing shoring system**
- **Tunneling in shaft**
- **Delivering 108in Pipe Joints**
- **Laying 108in Pipe, & Backfilling**
- **Placing CLSM**
- **Tack Welding joints**



Tunneling operation



Pulling shoring sheets



Potholing exploration for culverts



02.14.2019



Construction Progress – EWP 2 Filter Structure & TPS

FILTER STRUCTURE:

- Reinforcing/Forming structures
- Pouring walls
- Placing and aligning pipelines.
- Stripping forms and patching.
- Excavation and backfilling around structures

TPS:

- Forming and reinforcing wall sections



Filter Module 1- Rebar work (Slab & Pipe encasement)



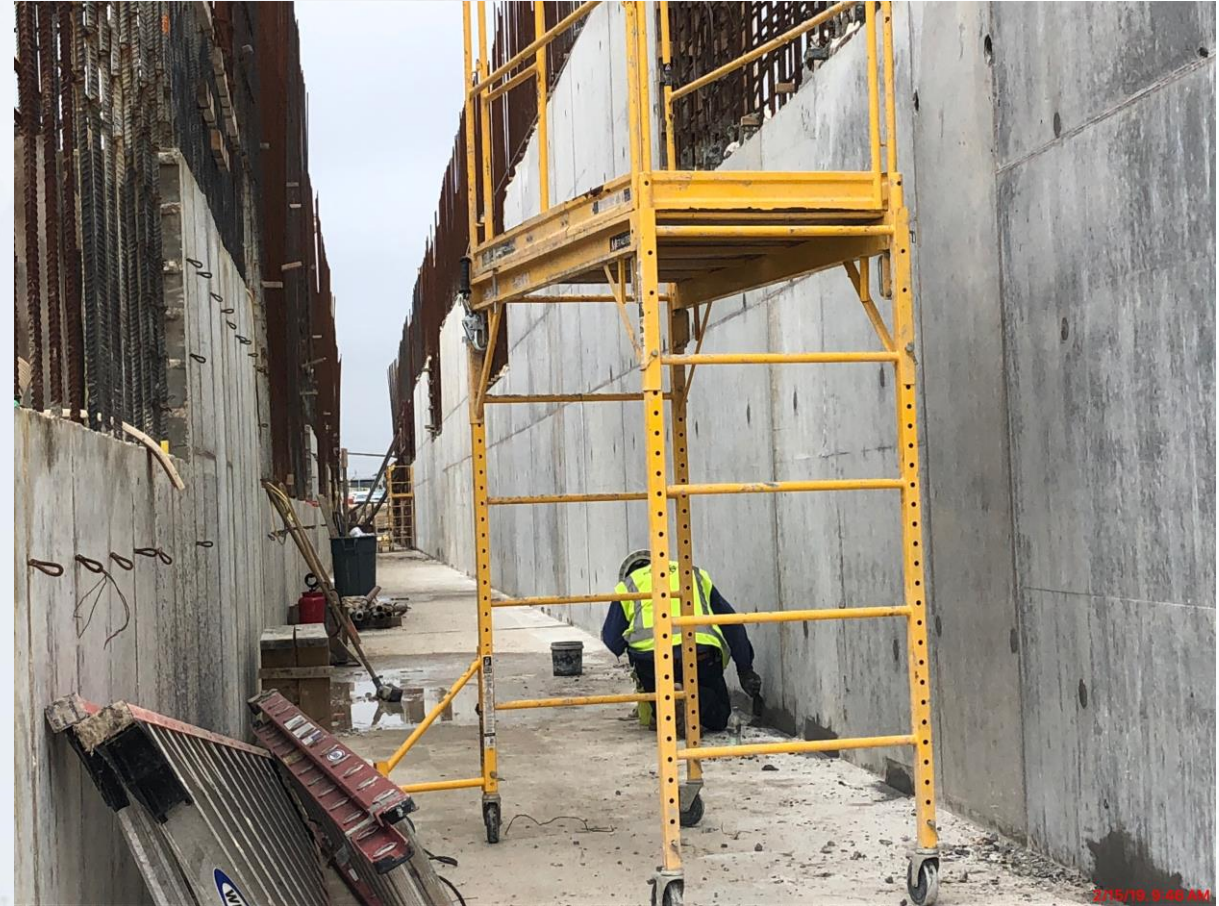
Filter Module 1- Placing pipe spools



Filter Module 1- Backfilling



Filter Module 1- Pouring and patching of walls



TPS - Wall C1 Closing Forms



TPS Wall B1 Reinforcement

