CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team

NEWPP-000-DCMT-TEMP-0003 [0] Issued for Information 21-Dec-2016

Construction Progress – EWP 1 Site Development Feb 27, 2019

- **Excavating and laying 36in FW Pipeline**
- **Cutting & Stabilizing Road 3**
- **Cutting/prepping North Plant pad subgrade**
- **Relocated fiber-optic cable with Hydro-Vac for 30in FW tie-in**

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

Houston Waterworks Team

Cutting, and placing/compacting select fill subgrade for North Plant pad

Houston Waterworks Team

Cutting, stabilizing, and compacting Road 3

Houston Waterworks Team

Relocated fiber optic cable for 30in FW Tie-in

Houston Waterworks Team

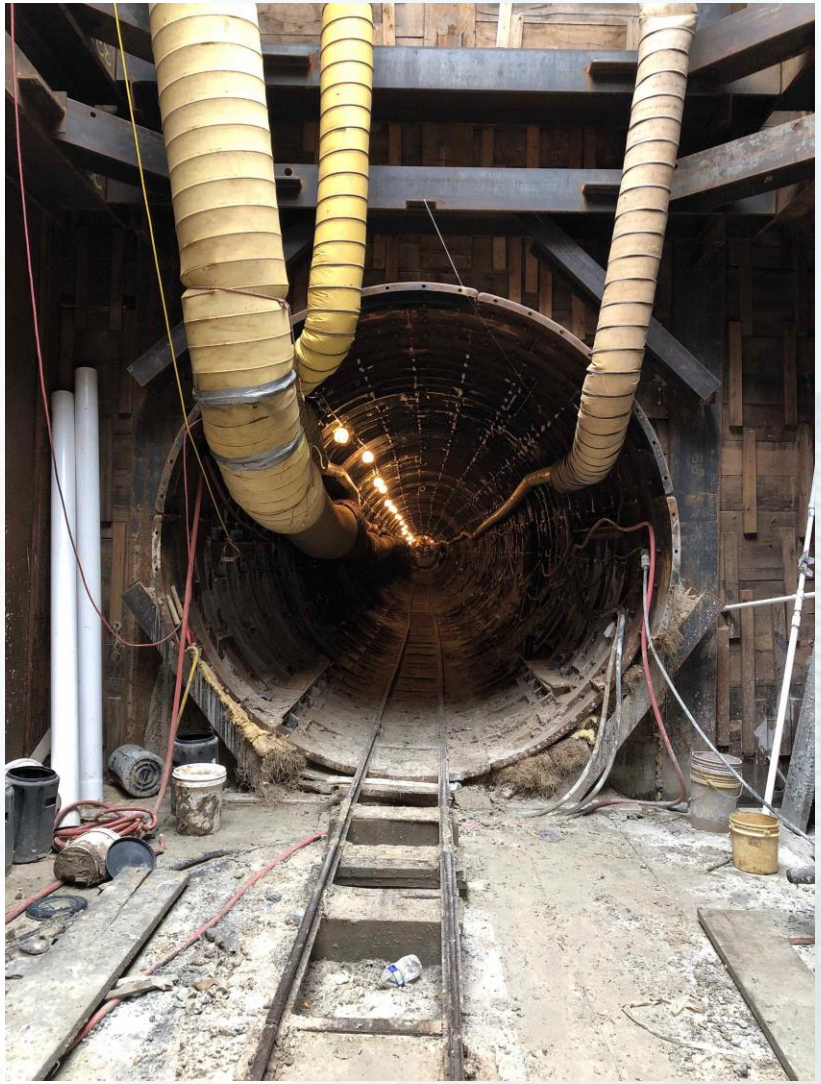
Construction Progress – EWP 4 – Raw Water Corridor

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

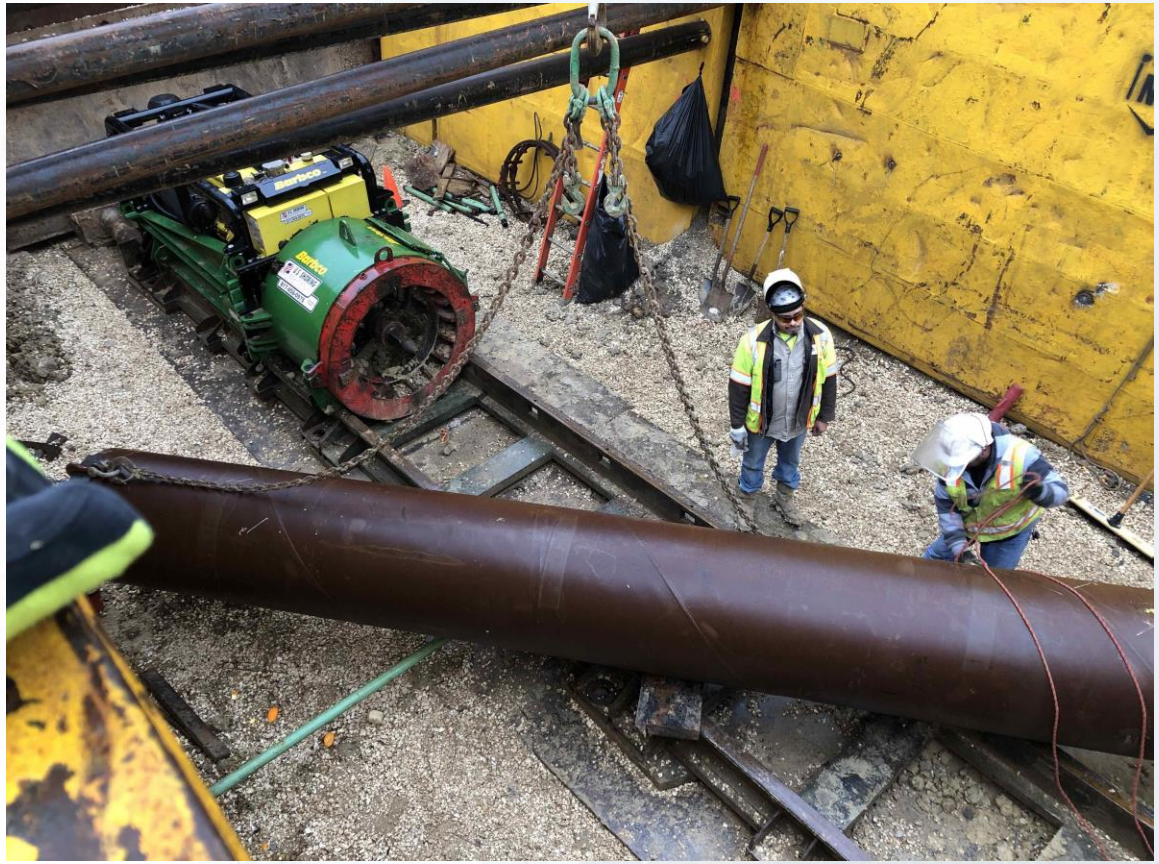
Placing CLSM at STA 120+00 and Pulling shoring sheets

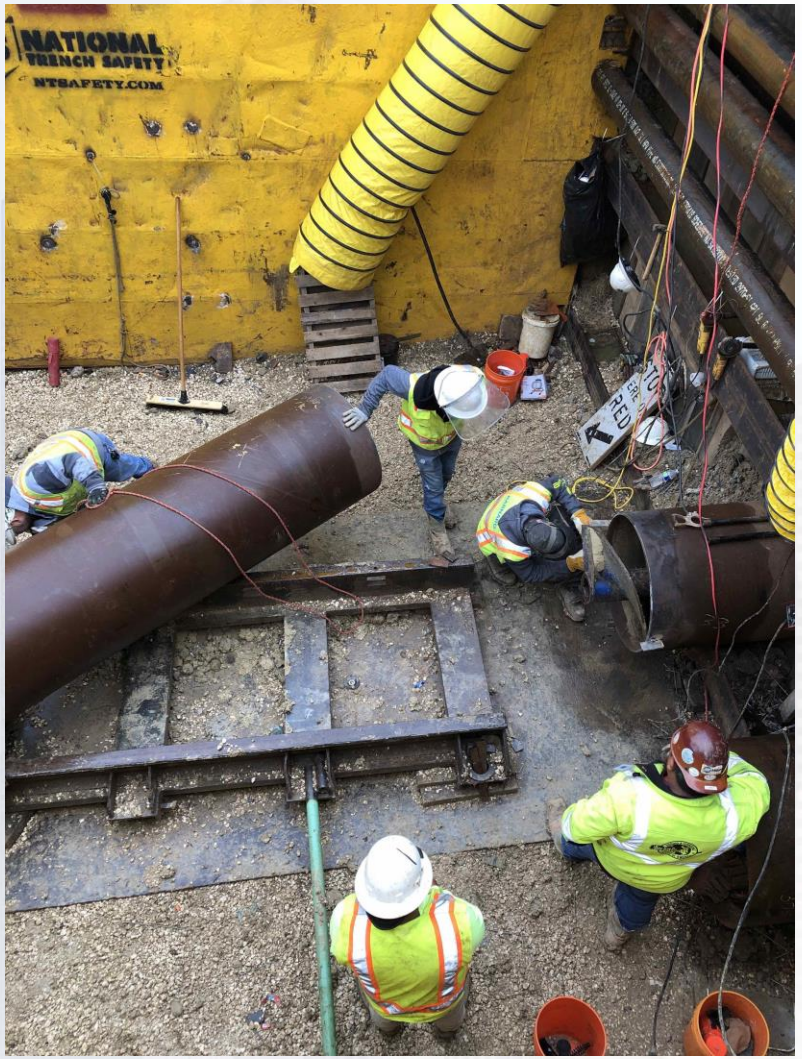
Backfilling

Tunneling operation



Bortunco Fitting up Auger Bore Casing





Houston Waterworks Team

Construction Progress – EWP 2 Filter Structure & TPS

FILTER STRUCTURE:

- Reinforcing/Forming slabs.
- Pouring mud slab
- Placing and aligning pipelines.
- Excavation

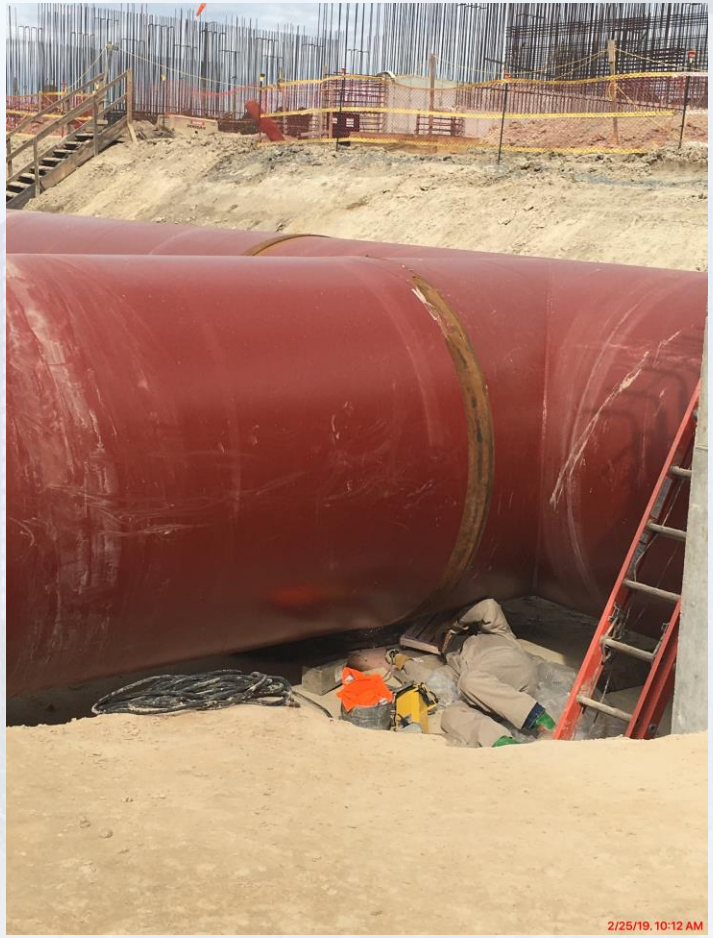
TPS:

- Forming and reinforcing wall sections

281 –Forming/ Reinforcing Pipe encasement (East)

281- Excavating/Pouring mud slab for Pipe encasement(West)

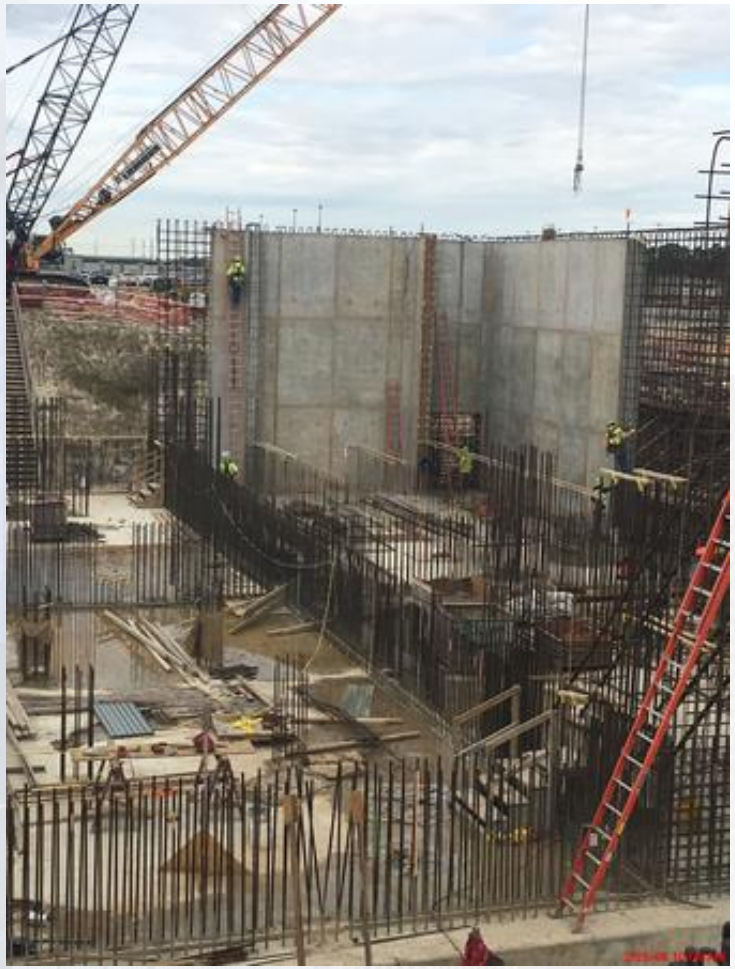
281- Welding/placing 84" CFE pipe



281- Reinforcing & placing trench drain for A2A slab

291 - Concrete Pour Wall C1

291 - Stripping Wall A1



Houston Waterworks Team

291 - Forming Wall B1

EWP-2 Area