



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 & 3 Site Development

July 31, 2019

- **Installed new saddle, poured concrete thrust block, and tapped 36in FWM**
- **Installed line stops**
- **Completed additional craft parking lot**
- **Installing Temporary Power to Trailer City #2**



Installed new saddle and hydro tested



Tapped new location for line stop on 36in FWM



Fusing and rerouting bypass piping to new line stop location



Line stop is installed, and bypassing has started



TEMP POWER Contractor Trailers



T-LA & T-LA1 and Disconnects



Added Transformer T-LB1 and Disconnects



Construction Progress – EWP 4 Raw Water Corridor

- **CLSM placement in West and East Corridors**
- **Laying 108 RW Pipe in East Corridor**
- **Shoring Removal and Grouting**
- **Welding joints**
- **Installation of South Tunnel Carrier Pipe Track System**



Locating Exist 66 Inch RW Line sta 128+50



7/30/19, 11:31 AM

Sheet Pile Shoring Material for sta 128+50



7/30/19, 12:07 PM

Houston Waterworks Team



Shoring Installation



7/30/19, 11:35 AM

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Cofferdam Materials for sta 142+50



7/30/19, 11:39 AM

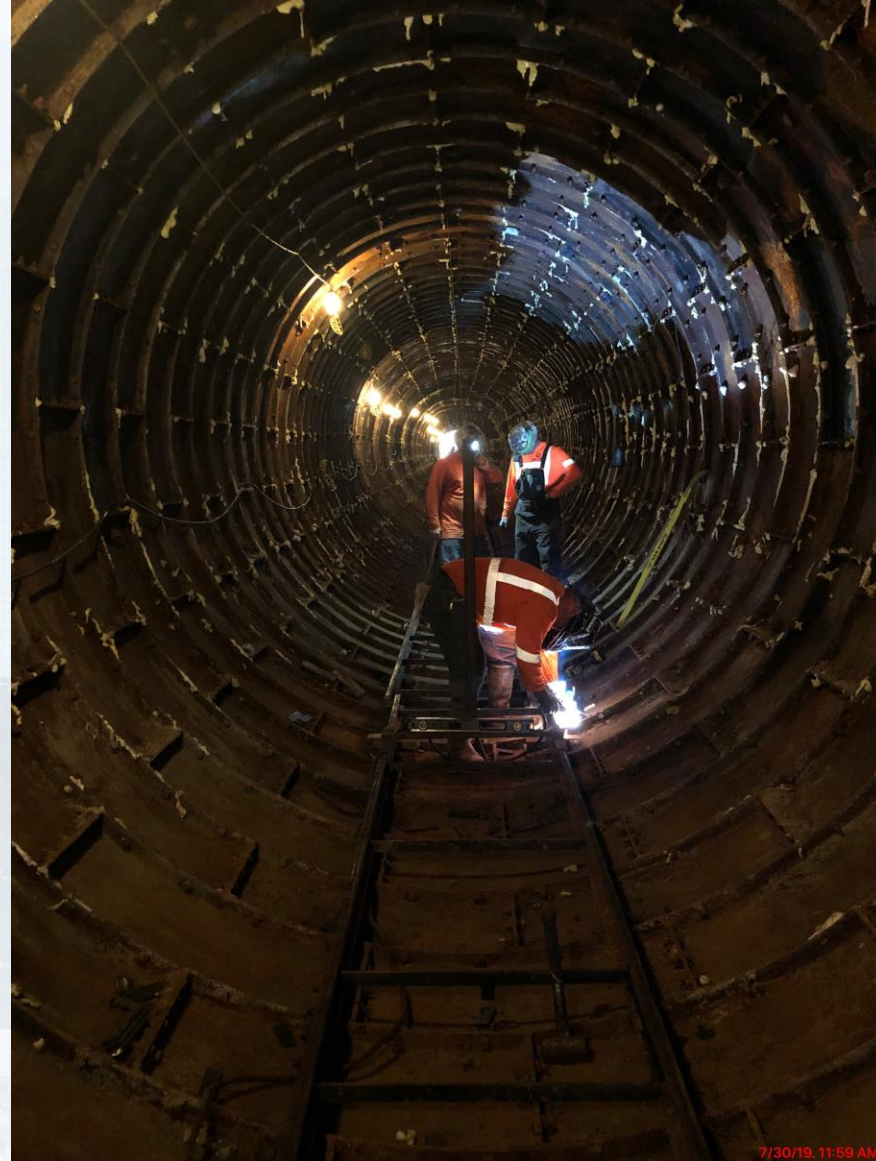
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Trench Backfill and Pipe Installation



South Tunnel Carrier Pipe Track Installation





Construction Progress – EWP 2 Filter Structure & TPS

FILTER STRUCTURE:

- **Installed Formwork OZW East.**
- **Installed Formwork and Rebar C34 Wall.**
- **Concrete Pour C22 Wall.**
- **Setting Forms D7 Wall**

TPS:

- **Poured concrete at Wall A6**
- **Install East Exterior 84" BFVs and Formed Up Blockout**
- **Pump Cans Delivery**



FILTER STRUCTURE- Installing wall formwork OZW EAST



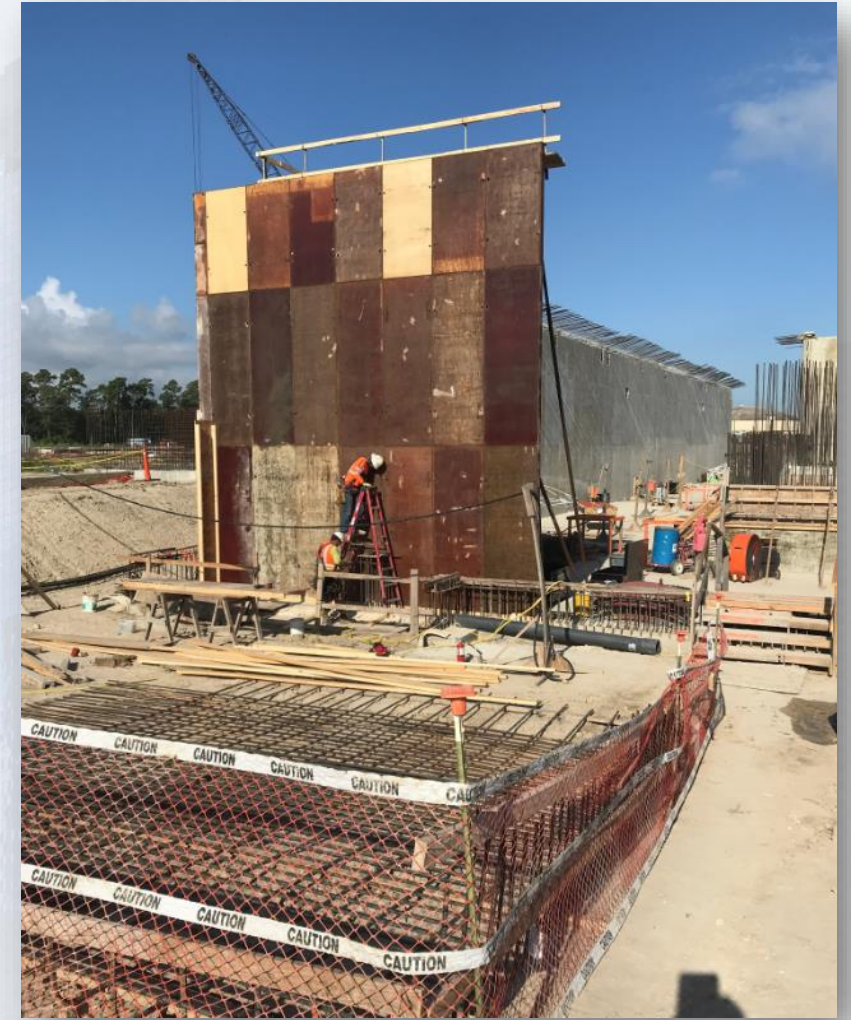
FILTER STRUCTURE- Installing Forms and Rebar C34



FILTER STRUCTURE- Concrete Pour C22



FILTER MODULE Setting Forms for wall D7



TPS –Concrete Pour Wall A6



TPS – Install East Exterior 84" BFV and Block-out Forming



TPS – Pump Cans Delivery



CENTRAL PLANT





Construction Progress – EWP 6 North Plant

- **242 Concrete Foundation and sump rebar reinforcement**
- **Set formwork and install rebar for 241 Sump**
- **Form and Pour 242 Overflow Sump**
- **Excavate 611 Cross Collector**



241 Back fill foundation



611 Cross Collector Rebar reinforcement



242 Concrete Pour reinforcement



242 sump Backfill



East-West Corridor Ductile Iron Piping Excavation





Construction Progress – EWP 6 IPS

- **Driving Piles**



Pile Driving Activity



Ferrying to Pile Driving Activity





Construction Progress – EWP 6 Substation Facility 102

- **Continue of Site Preparation**



Continue of Site Preparation

