



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

May 8, 2019

- **Installing 36in FW Pipe**
- **Building subgrade for North Plant structures**
- **Embanking entrance and exit ramps for truck wheel wash**
- **Installing tees on 36in FW line for construction water to North Plant**



Cutting & embanking truck Wheel Wash ramps



Installing tees on 36in FW line for construction water





Construction Progress – EWP 4 Raw Water Corridor

- **Cutting pipeline excavation, and installing shoring system**
- **Laying 108 RW Pipe in East Corridor**
- **Welding joints**
- **Tunneling demobilization**
- **Mobilization of Exit Shaft contractor**



Trench Excavation and Pipe Installation in East Corridor





Construction Progress – EWP 2 Filter Structure & TPS

FILTER STRUCTURE:

- **Pouring Base Slabs & Filter Walls.**
- **Forming/Reinforcing Slabs & Walls.**
- **Installing FD Pump Cans**
- **Laying/Encasing 6" PW Line**

TPS:

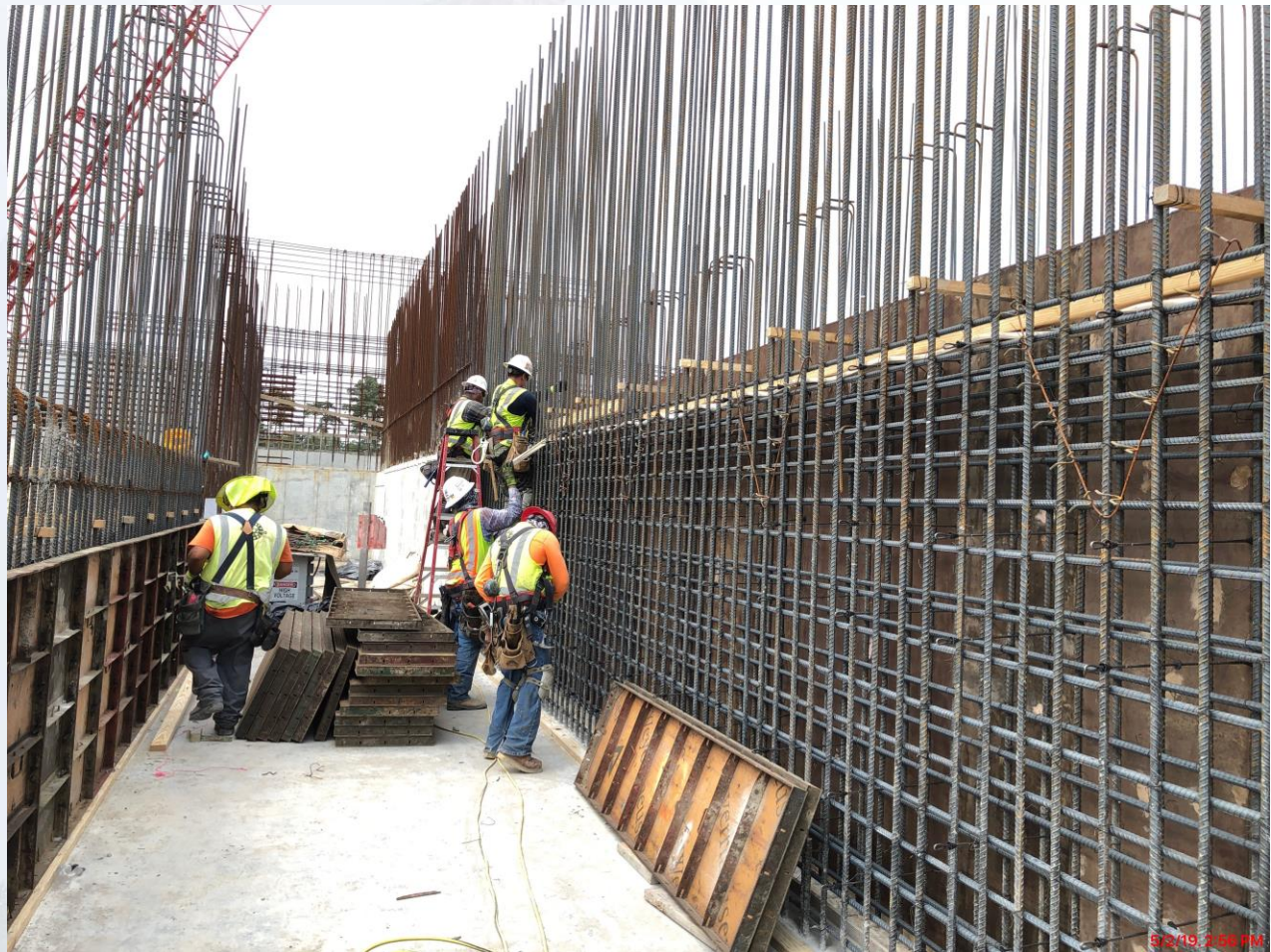
- **Tying Rebar and Forming Walls**
- **Walls BW1 & B2 Concrete Pours**
- **Strip Forms Wall BW1**
- **Wall BW4 NDE Testing**



FILTER STRUCTURE- Pouring Base Slabs & Filter Walls



FILTER STRUCTURE- Forming/Reinforcing slabs & walls



FILTER STRUCTURE- Installing FD Pump Cans



FILTER STRUCTURE- Laying/Encasing 6" PW Line



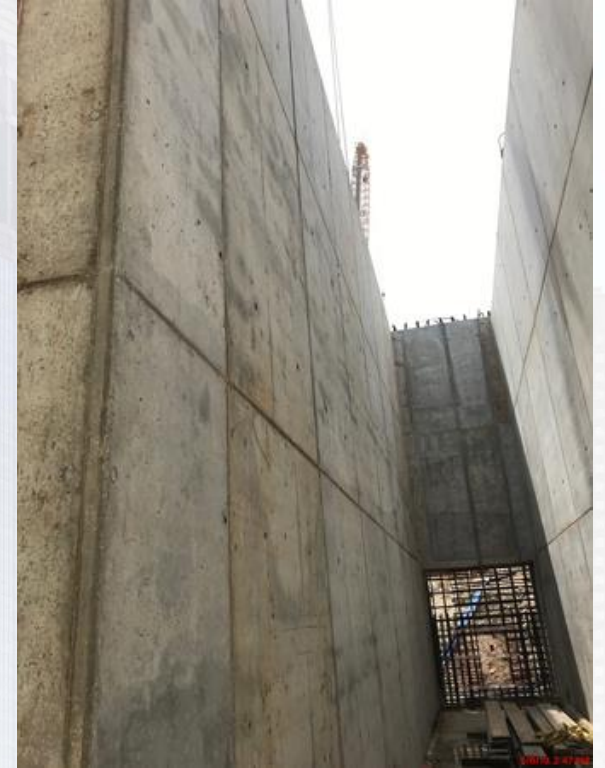
TPS- Walls BW1 and B2 Concrete Pours



TPS- Tying Rebar and Forming Walls



TPS – Wall BW1 Strip Forms



TPS –Wall BW4 NDE Testing



Aerial View of Filter and TPS





Construction Progress – EWP 6 Intake Pump Station

- **Preparing Barges to extended Dredging**
- **Drone Photos of Dredging Zone**

Barge Completion



Drone Photo of Dredging Zone





Construction Progress – EWP 6 North Plant

- **Mobilizing to site**
- **Excavation for North/South Corridor between Floc Sec Basins**
- **Installation of Dewatering System**



Installing dewatering system



Installed dewatering system

