



**CITY OF HOUSTON**  
Houston Public Works

# DESIGN-BUILD SERVICES

# Northeast Water Purification Plant Expansion

**Houston Waterworks Team**





# Construction Progress – EWP 1 MAIN PLANT

## August 1, 2018

- **Final grading Ponds 1, 2, and 3**
- **Clearing and grubbing East sides of Area C & F (East of existing fence)**
- **Installing storm drains**
- **Filling and grading south side of Rd 1**
- **Cutting/filling Road 3**
- **Installing 20”RW pipeline**





# Final Grading Pond 1





# Final Grading Pond 2





# Final Grading Pond 3





# Clearing & Grubbing East of Existing Fence





# Cutting/filling Road 3





# Installing 20" RW Pipeline





# Installing 20" RW Pipeline







# Construction Progress – EWP 3 & 1 – Electrical

## August 1, 2018

- **Clean up and completing preliminary punch-list items**
- **Trenching, and installing conduit to TPS area and light poles**
- **Installed electrical manhole**
- **Poured duct banks**







# Construction Progress – EWP 4 – Raw Water Corridor

## August 1, 2018

- **Maintaining dewatering system**
- **Excavating shaft and installing shoring**
- **Driving H-Piles**
- **Cutting pipeline excavation**
- **Grading temporary roadway**
- **Installing fence in East corridor, South side**
- **Installing 8” Aluminum Construction water line**





# Cutting Pipeline Trench





# Cutting/welding and installing shoring system







# Construction Progress – EWP 2 Filter Structure & TPS

## August 1, 2018

- **Installing formwork for foundation slabs**
- **Tying rebar for foundation slab**
- **Installing sheet piles**
- **Excavating TPS slab**





# Installing Formwork for foundation slabs





# Tying rebar for foundation slabs





# Installing sheet piles





# Dewatering behind sheet piles





# Overall Filter and TPS View

