



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team



Interns Visiting & Touring Site



Project Interns & Management presenting to visitors





Construction Progress – EWP 1 MAIN PLANT

July 25, 2018

- **Cutting/excavating & grading Pond 3**
- **Cutting/excavating Pond 1**
- **Clearing and grubbing East sides of Area C & F (East of existing fence)**
- **Installing storm drains**
- **Performed flow test on Fire Hydrant**
- **Installed 6” Construction water line**
- **Installing silt fence in cleared area**
- **Receiving piping materials for 20”RW reroute install**



Cutting/excavating Pond 1



Cutting/excavating, & Grading Pond 3



Performed flow test on Fire Hydrant



Clearing & Grubbing East of Existing Fence





Construction Progress – EWP 3 & 1 – Electrical

July 25, 2018

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





Construction Progress – EWP 4 – Raw Water Corridor

July 25, 2018

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



Drilling & Driving H-Piles



Cutting Pipeline Trench



Installing 8" Aluminum Construction Water Line





Construction Progress – EWP 2 Filter Structure & TPS

July 25, 2018

- **Cutting and compacting filter structure to grade**
- **Laying crushed aggregate**
- **Pouring mud slabs**
- **Installing formwork for foundation slabs**
- **Installing sheet piles**



Pouring mud slabs in filter



Rebar for foundation slabs



Installing Formwork for foundation slabs



Installing sheet piles



Installing sheet piles

