



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

Sept 26, 2018

- **Installing Storm drain from Pond 3 to Jack’s Ditch**
- **Installing Storm drain from Pond 2 to Jack’s Ditch**
- **Installing light poles with fixtures and conduit in craft parking lot and along Road 1**
- **Priming and tape coating around 20” weld on nozzle to 66” RW Main**
- **Placing/compacting CTB on Road 2**



36in FW Pipe and Fittings Delivered



Installed Storm Drain from Pond 3 to Jack's Ditch



Trenching and installing wire to light poles





Construction Progress – EWP 4 – Raw Water Corridor

- **Maintaining dewatering system**
- **Cutting pipeline excavation, and installing shoring system**
- **Installing fence in East corridor**
- **Installing dewatering system in East corridor**
- **Tunneling in shaft**
- **Excavating shaft in East Corridor**
- **Laying 108” Pipe**



Laying and compacting temp road in West Corridor



Tunneling in Shaft



Excavating and shoring shaft in East Corridor





Construction Progress – EWP 2 Filter Structure & TPS

- **Installing formwork for base manifold slabs**
- **Tying rebar for base manifold slabs**
- **Poured base manifold slab**
- **Tying rebar for pump can slab**
- **Poured pump can slab**
- **Stripping formwork**



Preparing subgrade and forming Bypass Vault slab



Tying Wall Rebar



Forming & Reinforcing Pump Can Wall (2nd Section)



Poured 2nd Wall Section



Stripped Pump Can wall forms (1st Section)





Construction Progress – EWP 6

- **Disassembling and demobilizing crane**



Disassembling Crane



Demobilized Crane

