



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

August 29, 2018

- **Completed pond 2**
- **Final grading Ponds 1 & 3**
- **Hauling soils**
- **Lime stabilizing and Laying CTB on Road 2**
- **Installing 20"RW pipeline**
- **Installing fence on south property line.**
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Excavating Storm Drains to Jack's Ditch from Pond 3



Relocating RW Metering Station



Made connection to wetland outfall





Construction Progress – EWP 4 – Raw Water Corridor

August 29, 2018

- **Maintaining dewatering system**
- **Cutting pipeline excavation, and installing shoring system**
- **Installing fence in East corridor, South side**
- **Installing dewatering system in East corridor**
- **Preparing Portal Ring**
- **Laying 108” Pipe**



Aerial View Aug 25, 2018



Laid first joint of 108" Pipe





Construction Progress – EWP 2 Filter Structure & TPS

August 29, 2018

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



Forming and reinforcing base manifold slabs



Placed crushed concrete, and poured seal slab for TPS Pump Can



Tying TPS Pump Can slab rebar



Aerial View Aug 25, 2018





Construction Progress – EWP 6

August 29, 2018

- **Crane assembled, and assembling hammer and leads**
- **Cutting and splicing pipe Piles**
- **Inspecting pipe Piles**
- **Staging Pipe Pile Template**



Crane Assembled for Test piles



Cutting and Splicing Pipe Piles



Staging Pipe Pile Template

