



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

Oct 3, 2018

- **Installing Storm drainage from Pond 3 to Jack’s Ditch**
- **Installing Storm drainage from Pond 2 to Jack’s Ditch**
- **Installing Rock Filter Dam in Pond 2**
- **Installing wire to light poles along Road 1**
- **Installing power to guard shack**
- **Clearing/Grubbing CenterPoint Easement**
- **EWP3 - Hooking up temporary generator to perform corrections to IPS Generator**



Installing Panels and Wiring Power to Guard Shack



Installing Storm Structure and Manhole from Pond 2



Installing Rock Filter Dam in Pond 2



Installed Outfall from Pond 2 to Jack's Ditch



Clearing CenterPoint Easement





Construction Progress – EWP 4 – Raw Water Corridor

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



Trenching and Laying 108" RW Pipe Joints



Laying and Compacting Temp Working Road in West Corridor



Tunneling in Shaft



Excavating and Shoring Exit Shaft in East Corridor





Construction Progress – EWP 2 Filter Structure & TPS

- **Installing formwork for walls**
- **Tying rebar and installing waterstop for walls**
- **Poured walls**
- **Tying rebar and forming TPS Retaining walls**

Pouring C20 Walls



Forming & Reinforcing Bypass Vault Slab



Placing and Tying Wall Rebar



Pouring Walls D14, 15, & 16



Aerial View of Filter Oct 2



Reinforcing TPS Retaining Wall



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Forming TPS Retaining Wall



Aerial View of TPS Oct 2

