



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

Nov 14, 2018

- **Grubbing & Grading near Jack's Ditch for 36in FW and 66in RW Pipelines**
- **Embanking and compacting south area of site.**
- **CenterPoint prepping to install powerline poles.**
- **Embanking road 3**
- **Installing 24in FW Pipeline Relocate**
- **Poured CLSM for manhole bases over 24in FW pipeline**
- **Pipe fitting 30in FW Pipeline**
- **Installing fence along east site boundary**



Grubbing and grading north area for 36in FW & 66in RW Pipelines



CenterPoint prepping to install powerline poles



2018 11 13

2018 11 13

Laying 24in FW Pipeline & BFV



Reinforced and formed 20in RW pipe supports





Construction Progress – EWP 4 – Raw Water Corridor

- **Cutting pipeline excavation, and installing shoring system**
- **Tunneling in shaft**
- **Excavating shaft in East Corridor**
- **Laying 108” Pipe, & Backfilling**
- **Excavating Exit Shaft in East Corridor**
- **Placing CLSM**



Placing CLSM around 108in Pipe



Tac welding Pipe Joints



Tunneling



Installing beams and shoring down the pipe trench





Construction Progress – EWP 2 Filter Structure & TPS

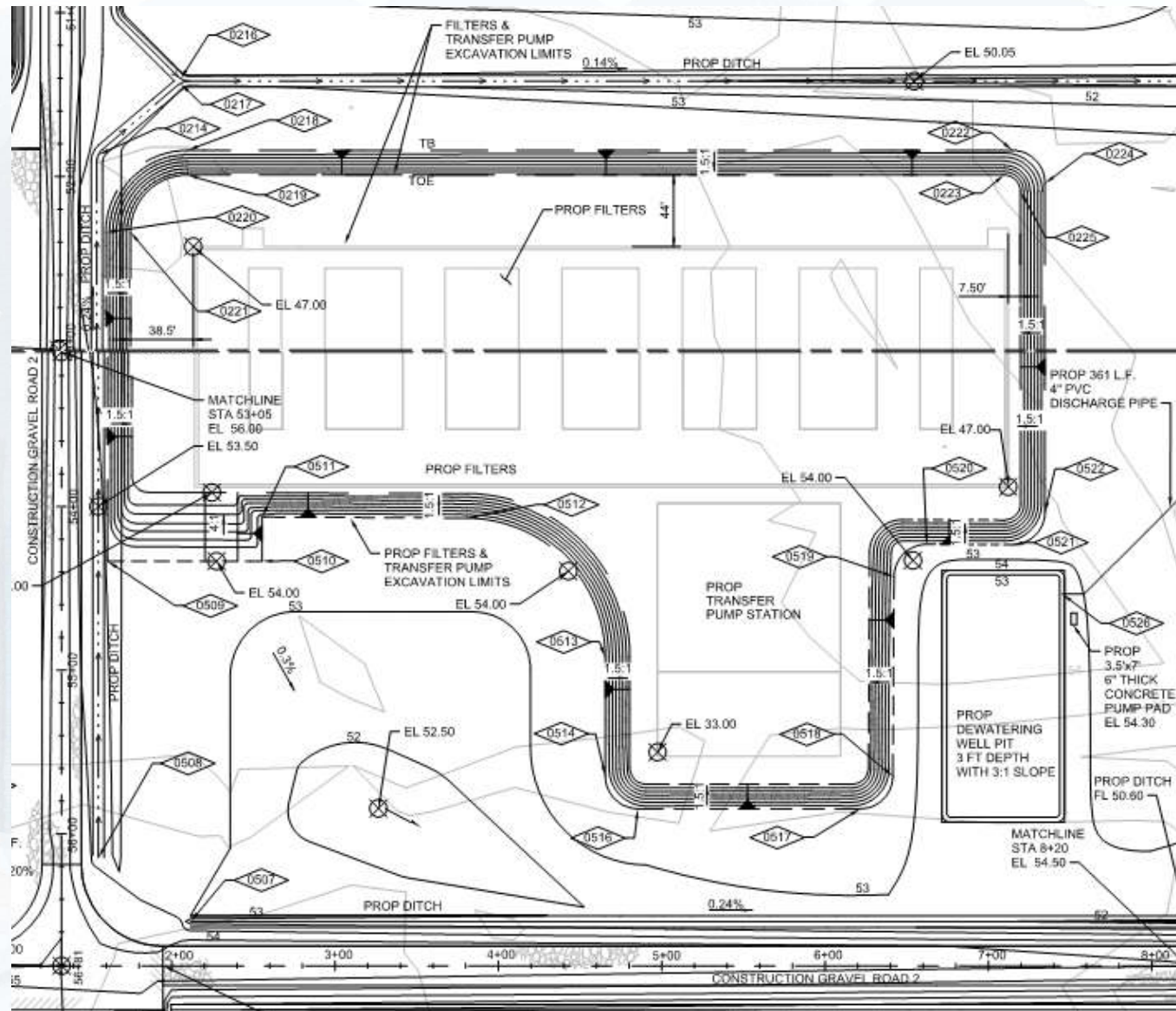
FILTER STRUCTURE:

- Reinforcing/Forming walls and slabs
- Pouring slabs and walls

TPS:

- Placing underdrain system material for TPS slab
- Pouring TPS seal slab





Forming and reinforcing wall C2



Pouring Interconnect Vault wall



Reinforcing/Forming Bypass Vault & Sanitary Pump Station Walls



Reinforcing Interconnect Vault Wall



Reinforcing Filter Area walls



Placing TPS Underdrain Material



TPS Seal Slab Pour



TPS Seal Slab Pour

