




CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

Nov 28, 2018

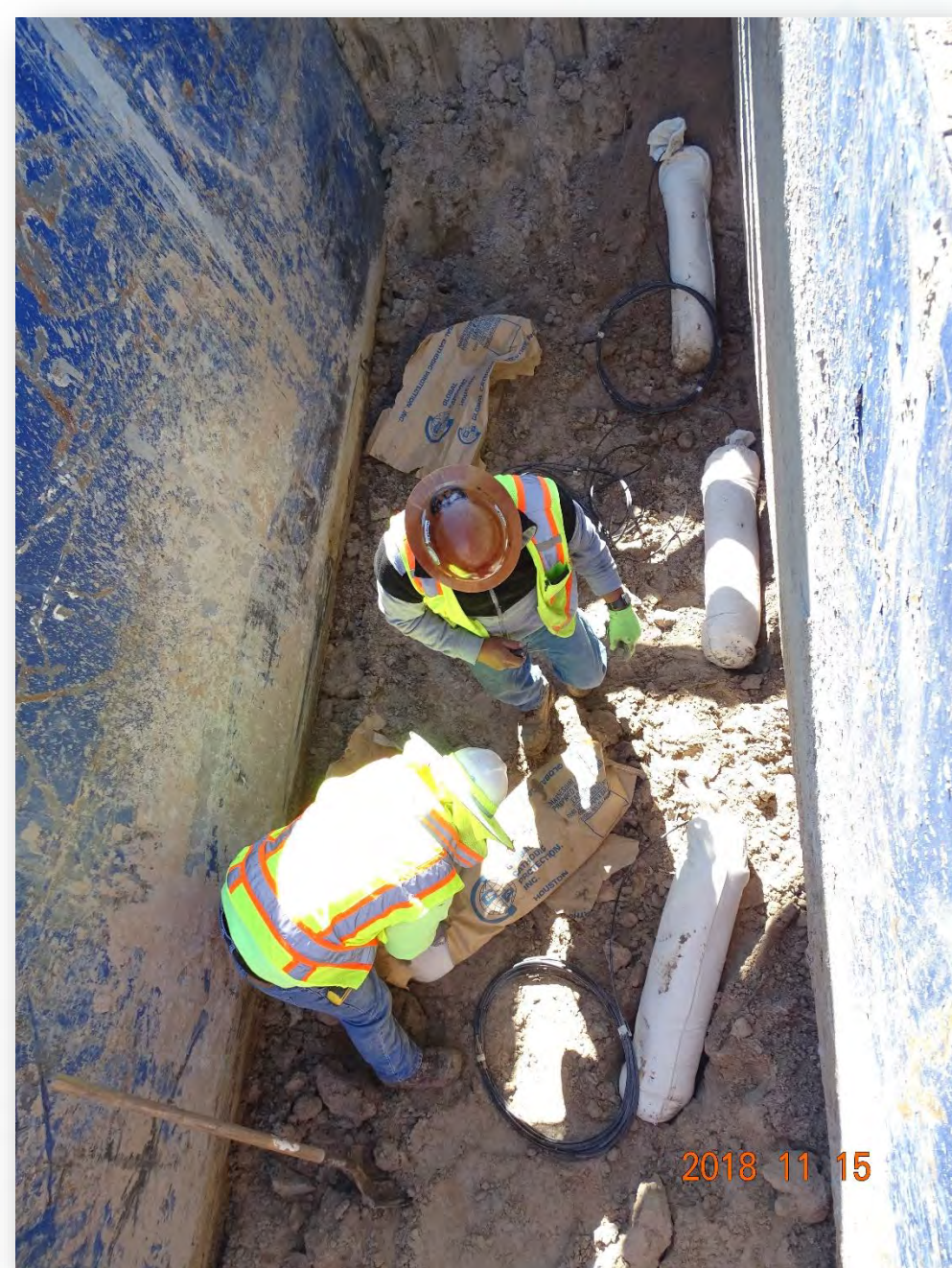
- **Embanking and compacting south area of site.**
- **Installing poles and powerlines.**
- **Fabricating precast manholes for FW Lines**
- **Excavating and laying 4in Sanitary Sewer Force Main**
- **Placing Cathodic Protection Anodes**
- **Excavating and laying 36in FW Pipeline**
- **Installing fence along east site boundary**



Updated Drone Map of NEWPP 11/16



Installing anodes and Cathodic Protection on 24in FW Pipeline



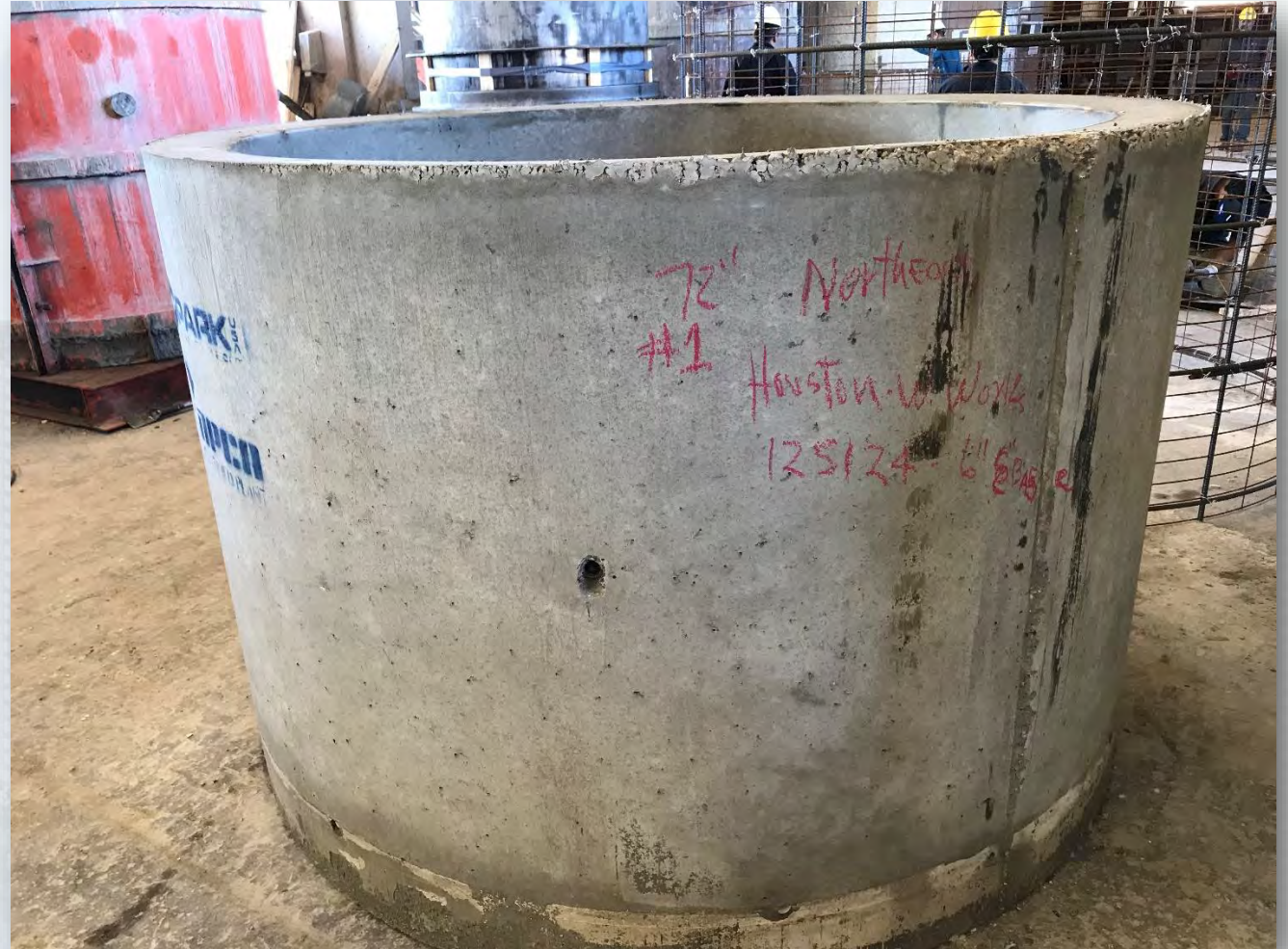
Poured and stripped forms of 20in RW pipe supports



Installing powerline poles



Fabricating precast FW Line manholes



Laying 4in Sanitary Sewer Force Main





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**



Pulling Sheet Shoring From Trench



Driving in Sheet Pile using ABI



Installing Whalers in West Corridor Trench



Installing Dewatering Well-Points in West Corridor





Construction Progress – EWP 2 Filter Structure & TPS

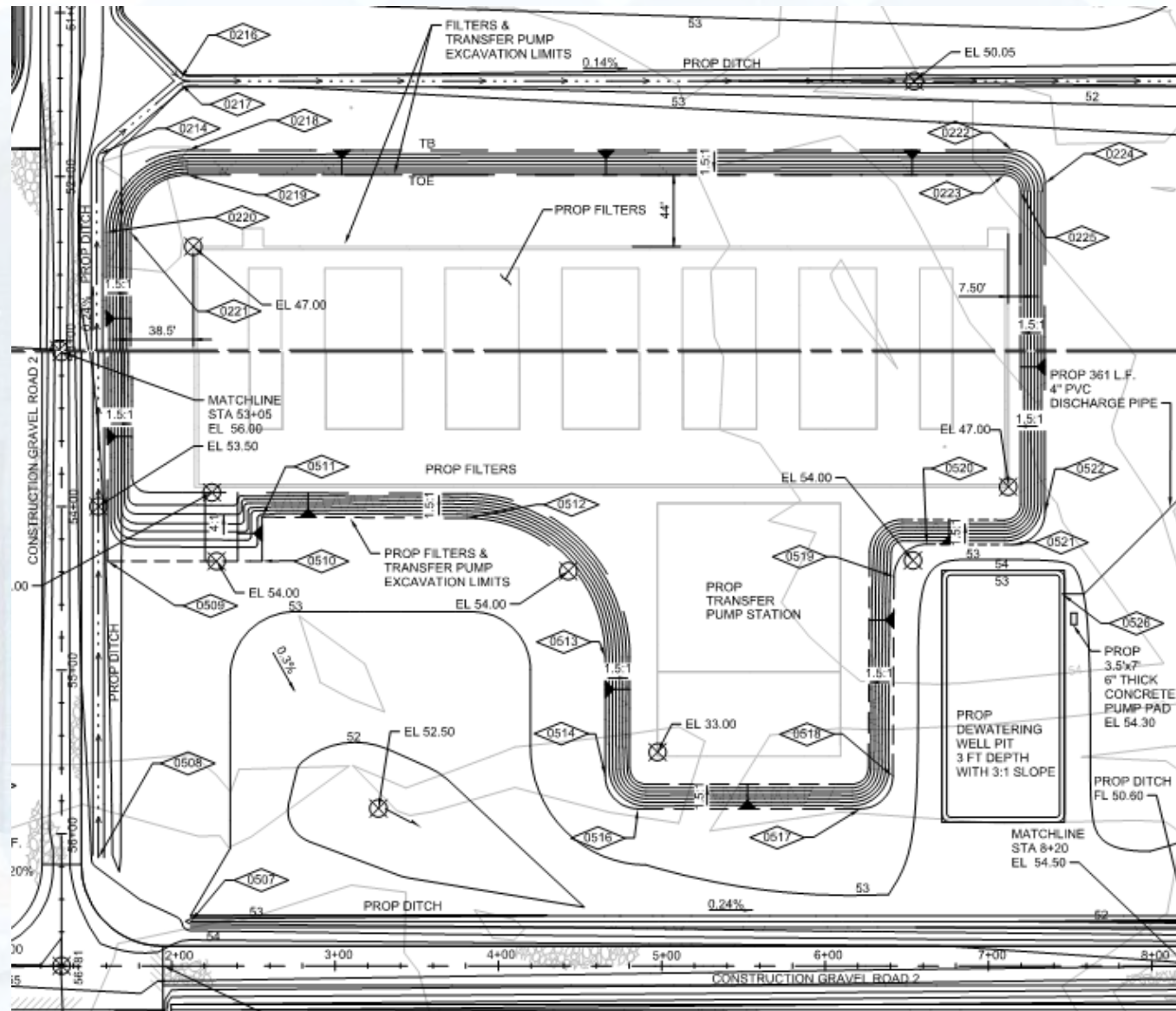
FILTER STRUCTURE:

- Reinforcing/Forming walls. [B19,B21, OZW Inlet Box (East)].
- Pouring walls [C2 Lift 1, Bypass Vault, Sanitary Drain Pump Station (East)].
- Placing and aligning pipelines.
- Stripping forms.

TPS:

- Forming exterior of TPS Main slab.
- Tying Rebar for main slab areas A1,C1.
- Removing sheet piles.





Aligning 84" CFE



Pouring Bypass Vault and Sanitary Drain Pump Station (East)



Rebar Work for OZW Inlet Box (East)



Installing Wall Pipe Bypass Vault



Stripping Bypass Vault and Sanitary Drain Pump Station Forms



Installing Exterior Forms on TPS Slab



Removing Sheet Piles



Reinforcing Areas A1 & C1 of TPS Slab



Forming Areas A1 & C1 of TPS Slab

