



**CITY OF HOUSTON**  
Houston Public Works

# DESIGN-BUILD SERVICES

# Northeast Water Purification Plant Expansion

**Houston Waterworks Team**



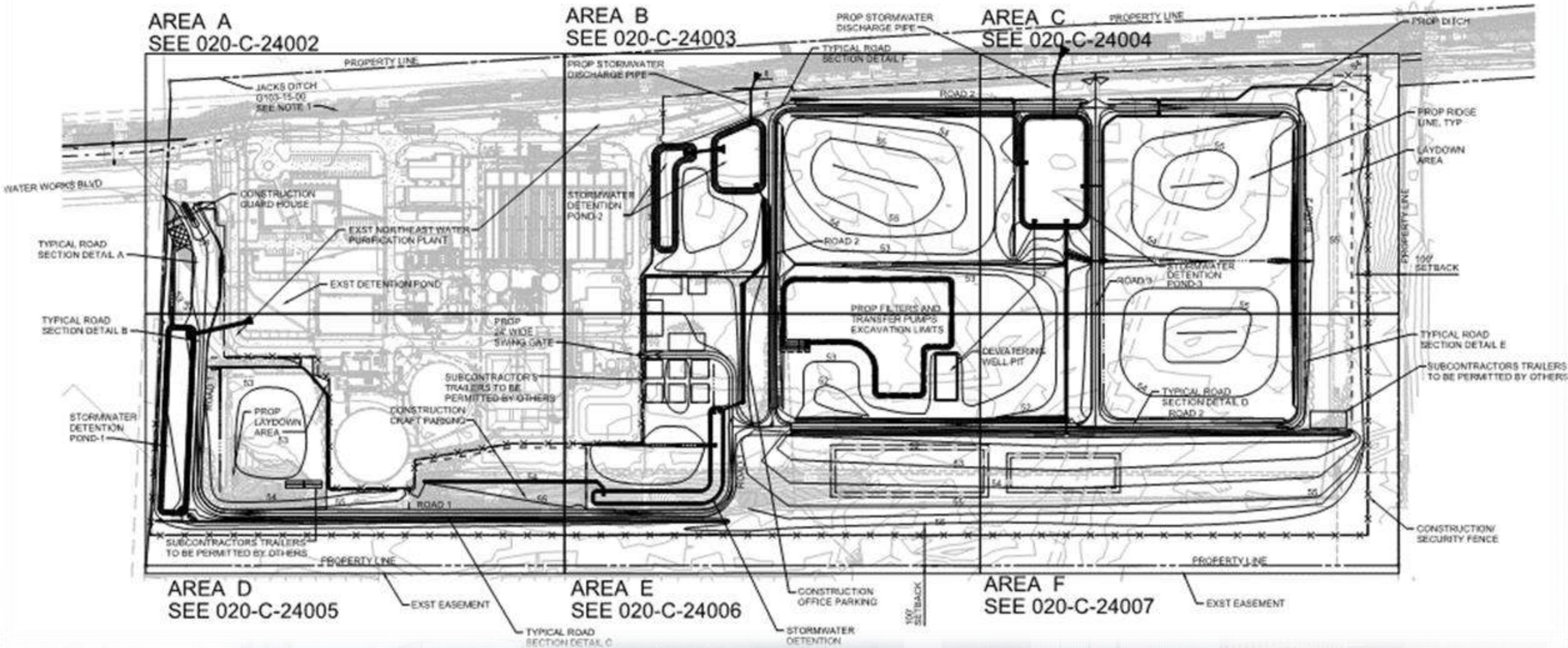


# Construction Progress – EWP 1 Site Development

## Sept 12, 2018

- **Hauling soils**
- **CTB on Road 2 & 3**
- **Installing 20”RW pipeline**
- **Installing fence on south property line.**
- **Installing Storm drain from Pond 3 to Jack’s Ditch**
- **Installing light poles with fixtures and conduit in craft parking lot**





# Aerial View of Site



# Installing Storm Drain from Pond 3 to Jack's Ditch





# Construction Progress – EWP 4 – Raw Water Corridor

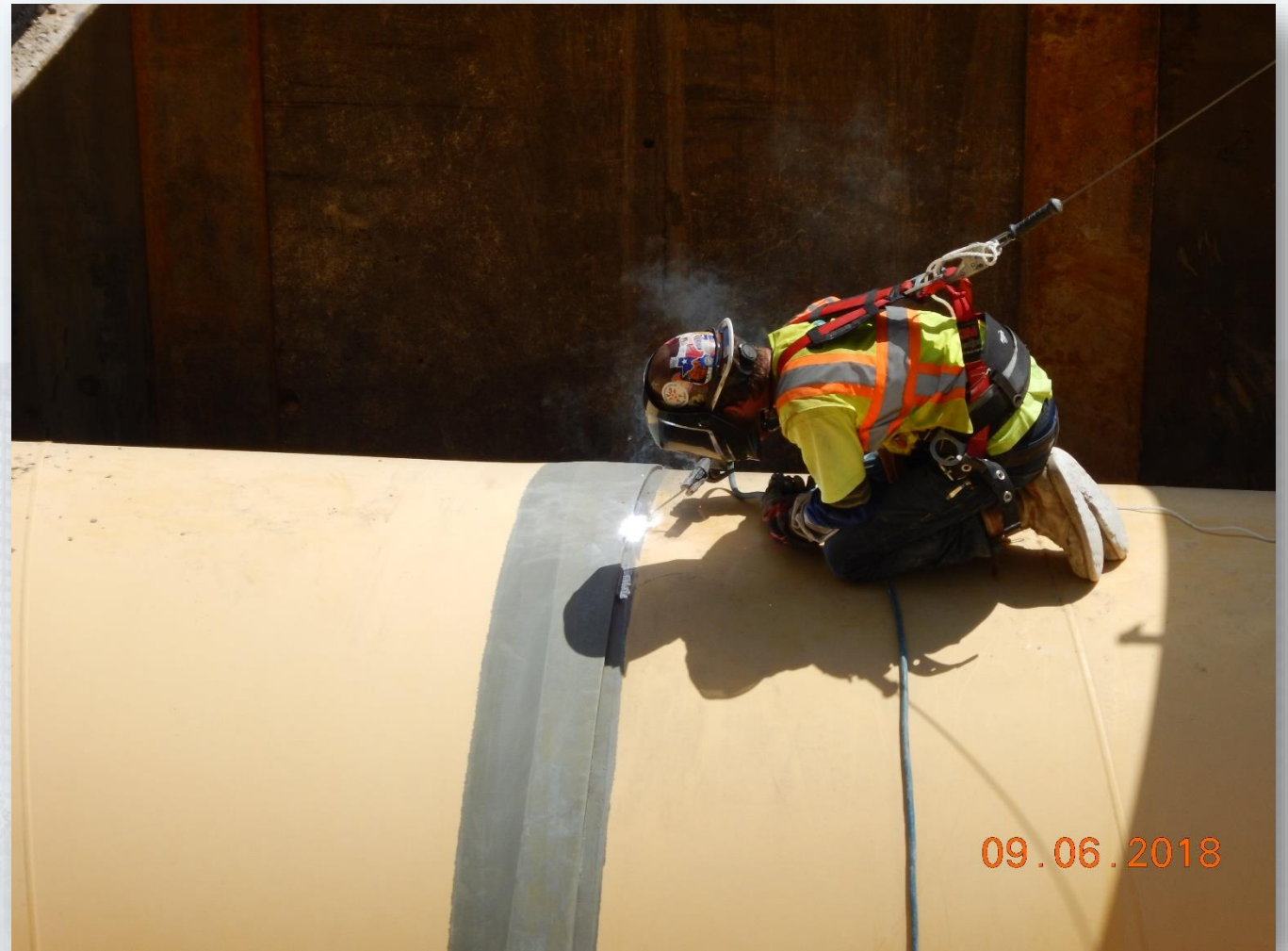
- **Maintaining dewatering system**
- **Cutting pipeline excavation, and installing shoring system**
- **Installing fence in East corridor, South side**
- **Installing dewatering system in East corridor**
- **Installing tunnel shield**
- **Laying 108” Pipe**



# Installing Tunnel Shield and Stirring System in Shaft



# Aligning and Welding 108" RW Pipe



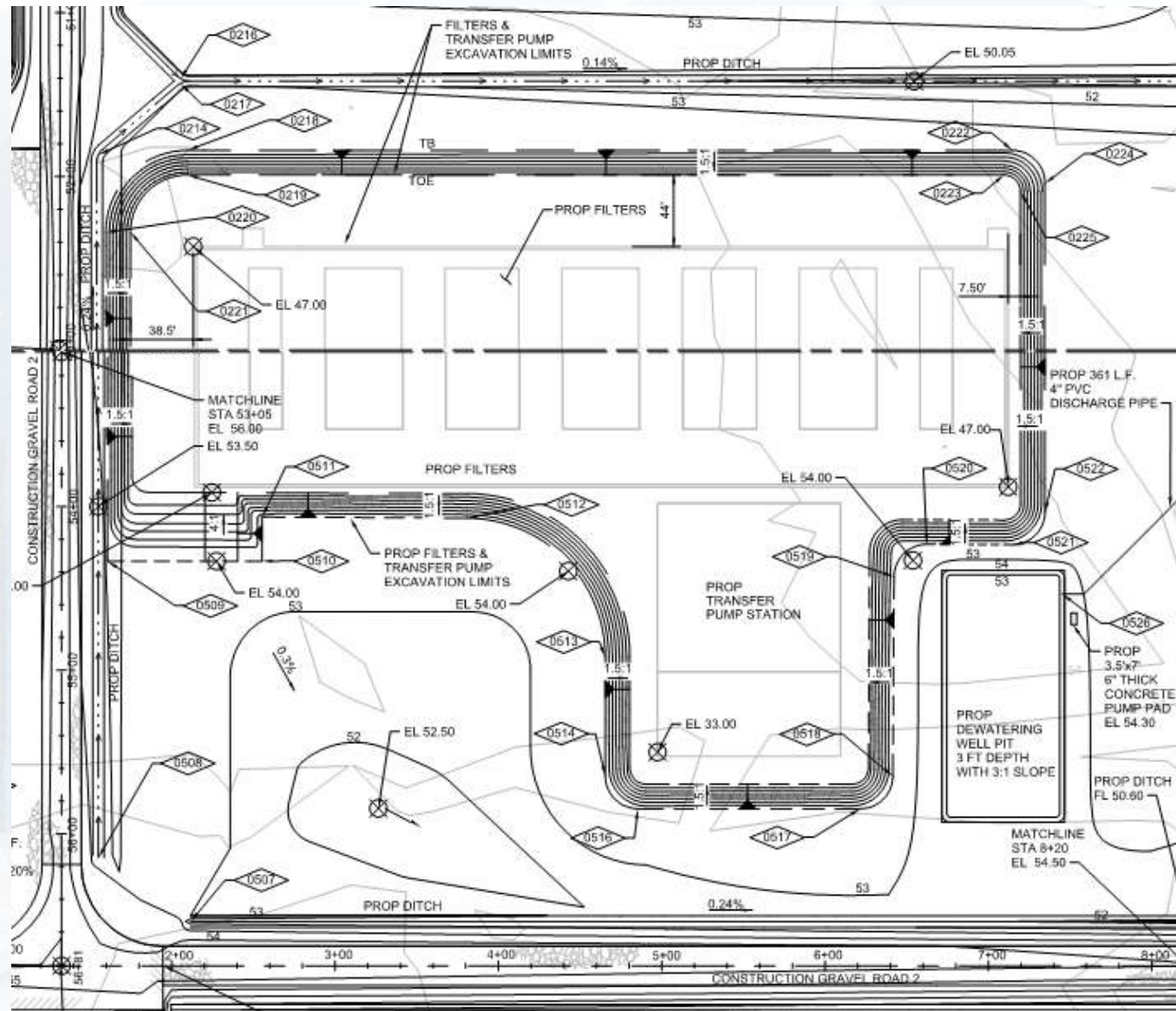




# Construction Progress – EWP 2 Filter Structure & TPS

- **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**





# Pouring TPS Pump Can Slab



# Pouring TPS Pump Can Slab



# Pouring base manifold slabs



# Pouring base manifold slabs



# Forming Lower Wall of TPS Pump Can Slab



# Aerial View of EWP2 Sitework





# Aerial View of EWP2 Sitework





# Construction Progress – EWP 6

- **Crane and hammer assembled**
- **Cutting and splicing pipe Piles**
- **Driving test piles**
- **Re-striking test piles**

# Vibrating Test piles into place



Houston Waterworks Team



# Driving the Test Piles at Lake Houston



# Re-striking Test Piles

