



**CITY OF HOUSTON**  
Houston Public Works

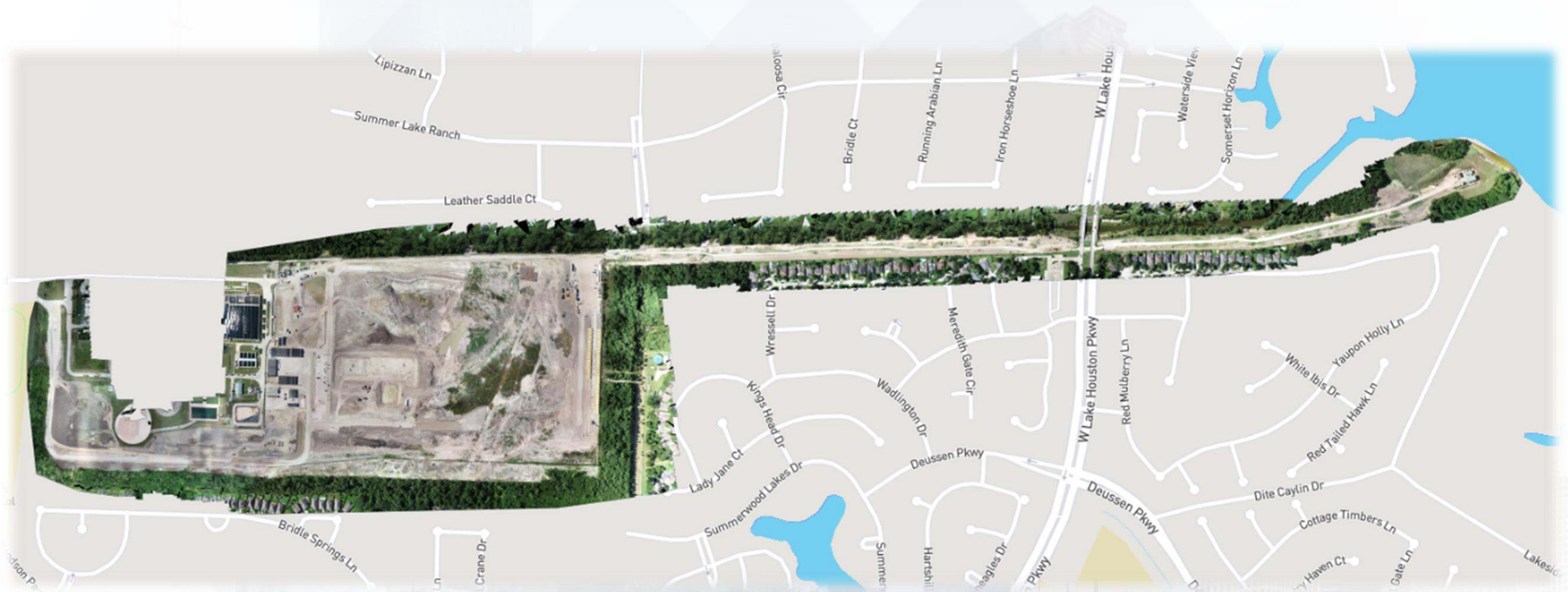
# DESIGN-BUILD SERVICES


# Northeast Water Purification Plant Expansion

**Houston Waterworks Team**



# Aerial Map of Overall Site - June 8, 2018



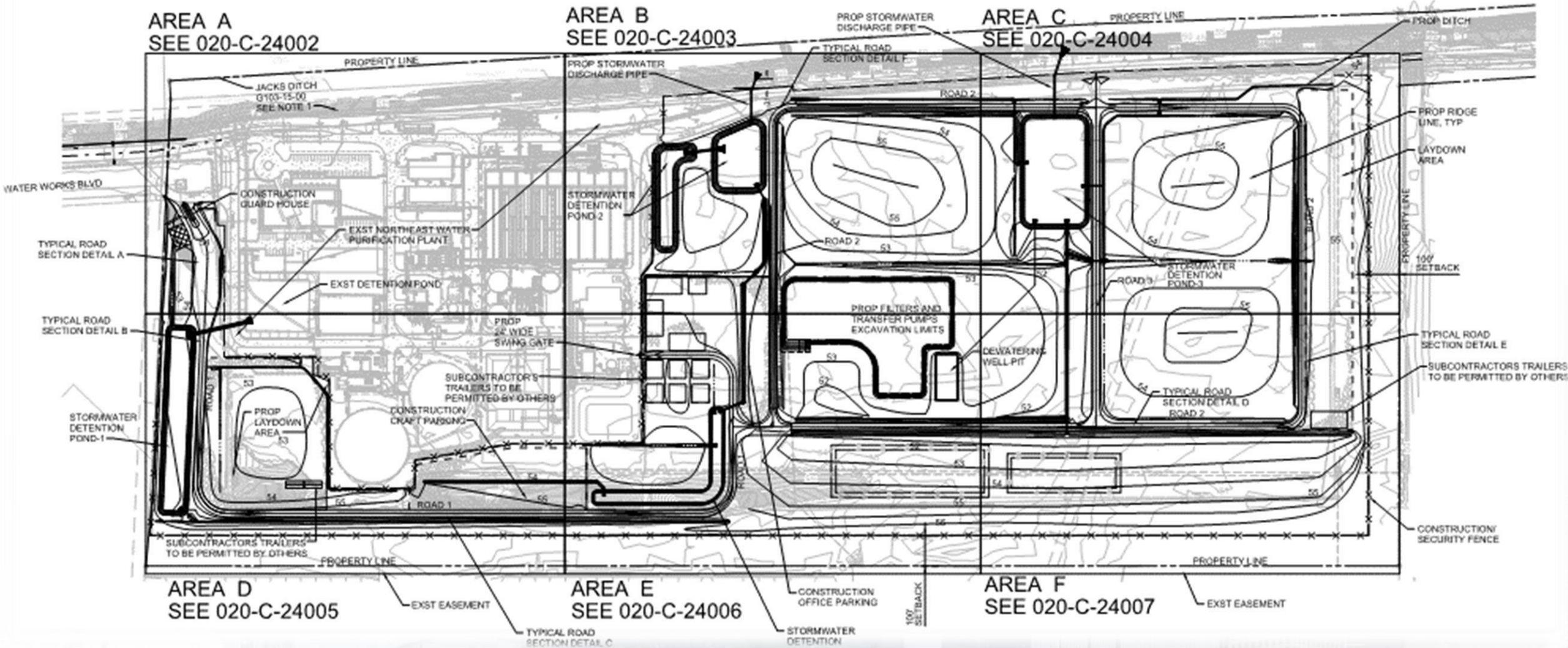


# Construction Progress – EWP 1 MAIN PLANT

## June 13, 2018

- **Assembling Engineering trailer complex**
- **Pulling power lines**
- **Pulled communication lines**
- **Cutting/excavating/grading Pond 2a and 1**
- **Poured concrete lined ditch**
- **Installing fire and water lines**
- **Completed hot tap to existing city water**
- **Dewatering and excavating Transfer pump station**
- **Laid and compacted CTB in trailer city area**





# Performed Hot tap on existing water line



# Performed Hot tap on existing water line



# Installing water utility line and water meter



# Poured concrete lined ditch





# Laid CTB in HWT trailer city area



# Excavating and installing 4" SS Force Main Piping



# Aerial View of Trailer City



# Dewatering and Excavating TPS



# Final Graded, tested, and turned over Filter Excavation




# Aerial view of Filter and TPS Excavation



# Aerial Map of Main Site - June 8, 2018





# Construction Progress – EWP 3 & 1 – Electrical

## June 13, 2018


- **Energizing temporary system**
- **Backfilled fiber optic cable marking tape and poles**
- **Wiring panel boxes at trailer city for land power**
- **Programming PLC**
- **Clean up and completing preliminary punch-list items**
- **Installing fence posts around new electrical equipment**





# Laid gravel, and delivered backup fuel tanks





# Construction Progress – EWP 4 – Raw Water Corridor and IPS

June 13, 2018

- **Installing fencing and dust net in West Corridor, South side**
- **Maintaining dewatering system**
- **Excavating shaft**
- **Delivering 108” pipe**



# Installed dust net in West Corridor (South side)



# Excavating Shaft Entry, and installing shoring



# Excavating Shaft Entry, and installing shoring



# Cutting/Welding Shoring & Lagging



# Aerial Map of Corridors – June 8, 2018

