




**CITY OF HOUSTON**  
Houston Public Works

# DESIGN-BUILD SERVICES

# Northeast Water Purification Plant Expansion



**Houston Waterworks Team**



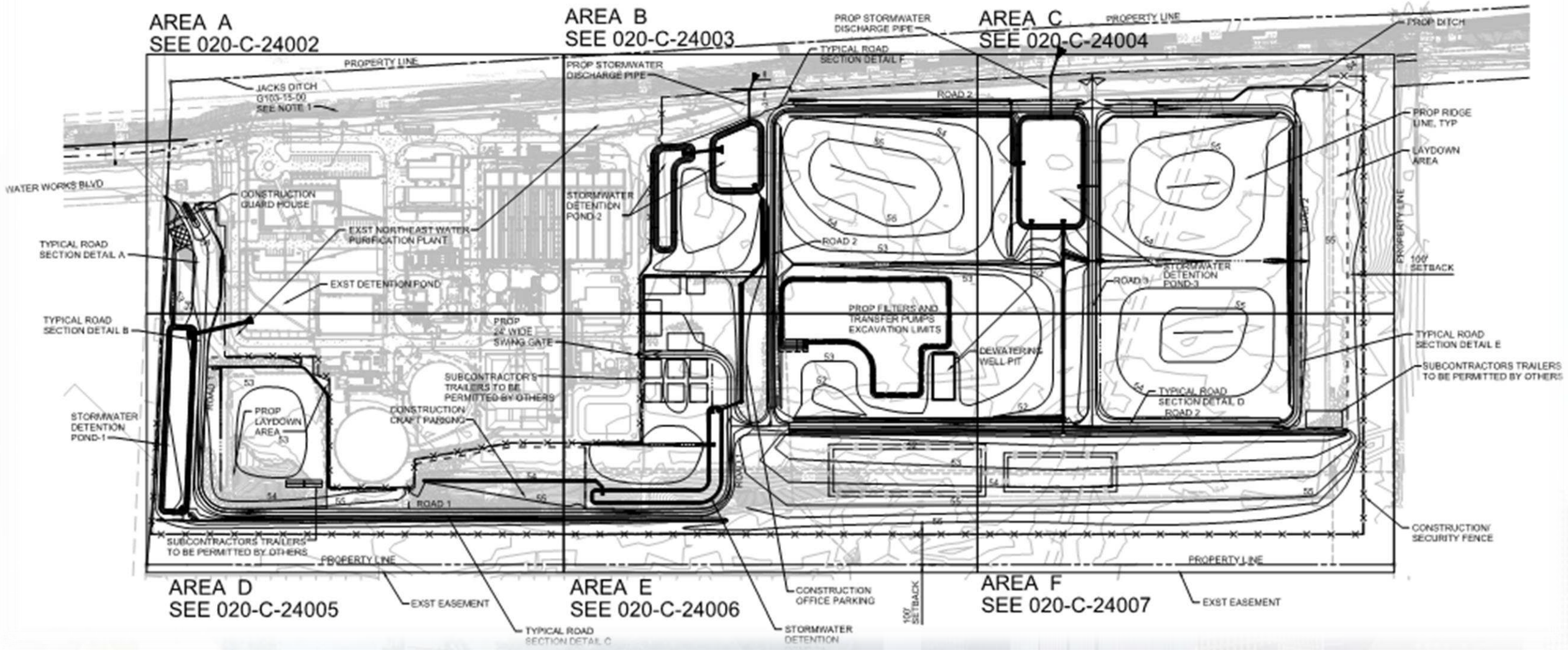
# Construction Progress – EWP 1 EAST PLANT

May 16, 2018

- **Delivering and setting Executive/Safety trailer complex**
- **Stabilizing/compacting Road 1 and 2**
- **Laying CTB on Road 2**
- **Pulling power lines and hanging transformers**
- **Pulling communication lines**
- **Cutting/excavating Pond 2a and 1**
- **Installing sanitary sewer lines**
- **Installing water utility lines**









# Embanking, Stabilizing, and Compacting Road 1 (South section)





# Installing sanitary sewer lines





# Excavating Pond 1





# Pulling Communication lines






# Hanging Transformers on power poles







# Construction Progress – EWP 3 – IPS & Corridor (Electrical)

May 16, 2018

- **Pulling wire**
- **Installing fiber optic cable and pull boxes**
- **Terminating wire**
- **Pulled fiber optic cable over WLHP**
- **Set 15 KV Switchgear and pulling wire**
- **Power cut-over, and relocated transformer**





# Backfilling fiber optic cable and pull boxes





# Set 15 KV Switchgear & Pulling wire





# Pulled Fiber Optic Cable over WLHP





# Power cut over





# Set temporary generators for power cut over






# Snake hiding in existing transformer







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

## May 16, 2018

- **Grading and installing rock on Barnard laydown yard**
- **Installing fencing in West Corridor swales**
- **Installing communication lines**
- **Installing dewatering system**
- **Preparing to install shoring**
- **Delivering 108” pipe**





# Installing fencing & Netting in swales (South side of West Corridor)





# Installing dewatering system





# Delivering 108" Pipe





# Barnard mobilizing equipment (Ejectors)

