



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

Jan 23, 2019

- **Excavating and laying 36in FW Pipeline**
- **Setting the FW Pipeline Manways and Manholes**
- **Embanking and grading East Areas C & F**
- **Laying fabric and flex base for Barnard Laydown area.**



Laying the 36in FW Line



Stabilizing, placing flex base, & compacting Barnard Laydown Pad



Filling and grading Areas C & F



Setting Manways and Manholes for 36in FW Line





Construction Progress – EWP 4 – Raw Water Corridor

- **Cutting pipeline excavation, and installing shoring system**
- **Tunneling in shaft**
- **Delivering 108in Pipe Joints**
- **Laying 108in Pipe, & Backfilling**
- **Placing CLSM**
- **Resumed Welding**



Excavating 108in Pipe Trench



Laying 108in RW Pipe



Transporting 108in RW Pipe Joints



CLSM placement operations in the trench



Installing 108in Pipe with Manways



Prepping trench area and access road at station 105+00



Tunneling, grouting, and placing pea gravel





Construction Progress – EWP 2 Filter Structure & TPS

FILTER STRUCTURE:

- Reinforcing/Forming walls
- Pouring walls
- Placing and aligning pipelines.
- Stripping forms and patching.
- Excavation and backfilling around structures

TPS:

- Forming and reinforcing main slab sections
- Pouring main slab sections



84in Pipe Installation



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East wall repair at Interconnect Vault



Forming and Pouring Mud slab for 60in Pipeline



Forming and Pouring Mud slab for 36-42in FTW



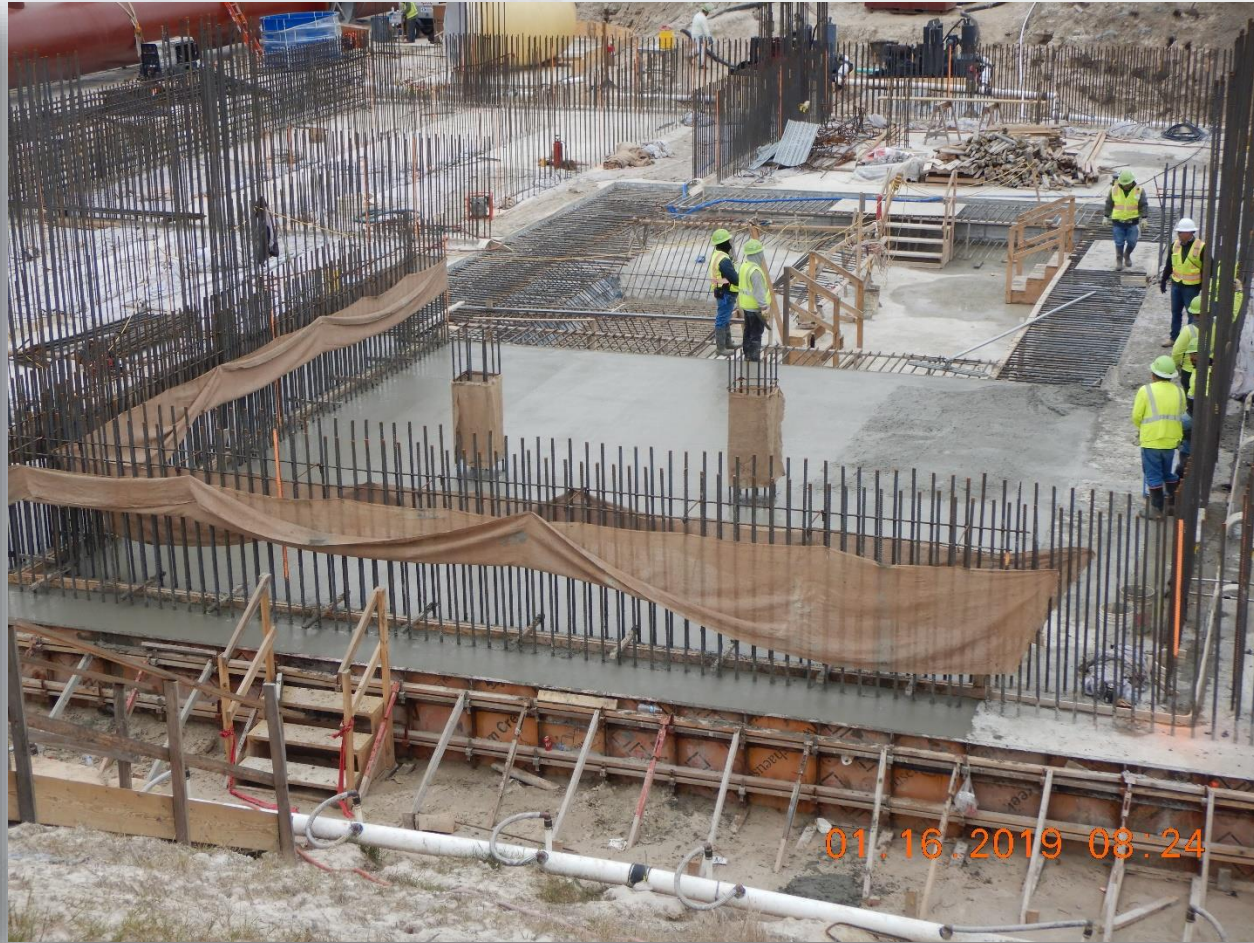
Forming Filter Wall D1



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Pouring TPS Slab Area A3



Reinforcing TPS Slab Area B3



TPS Wall Rebar



TPS Slab Concrete Curing



