



CITY OF HOUSTON
Houston Public Works

DESIGN-BUILD SERVICES

Northeast Water Purification Plant Expansion

Houston Waterworks Team





Construction Progress – EWP 1 Site Development

Jan 30, 2019

- **Excavating and laying 36in FW Pipeline**
- **Setting the FW Pipeline Manways and Manholes**
- **Hydro-vacuuming to safely relocate the fiber optic cable**
- **Embanking and grading East Areas C & F**
- **Stabilizing, laying fabric and flex base for Barnard Laydown area.**
- **Prepping road 1 for asphalt paving**



Stabilizing/mixing subgrade for Barnard Laydown Pad



Filling and grading Areas C & F



Hydro-vacuuming to safely relocate the fiber optic cable



2019 01 24



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Houston Waterworks Team



Prepping Road 1 for asphalt paving





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**



Laying flex base on access road in corridor



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



Setting and welding risers on 84 & 36in FTW Pipe



Installing water stop and forming wall D1



Reinforcing TPS Slab Area B3



Pouring TPS Slab Area B3



TPS Wall A1 Reinforcement







