



**CITY OF HOUSTON**  
Houston Public Works

# DESIGN-BUILD SERVICES

# Northeast Water Purification Plant Expansion

**Houston Waterworks Team**





# Construction Progress – EWP 1 Site Development

## Dec 19, 2018

- **Excavating and laying 36in FW Pipeline**
- **Embanking and grading East Areas C & F**
- **Lime stabilizing Area C**





# Embanking and grading Areas C & F





# Lime Stabilizing Area C







# Construction Progress – EWP 4 – Raw Water Corridor

- **Cutting pipeline excavation, and installing shoring system**
- **Tunneling in shaft**
- **Laying 108” Pipe, & Backfilling**
- **Placing CLSM**
- **Auger Boring**





# Delivering and Transporting 108in Pipe Joints



Houston Waterworks Team





# Laying the 108in Pipe, and installing shrink sleeves





# Placing CLSM on the 108in Pipe



12.14.2018



# Auger Boring





# 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.

## **TPS:**

- Tying Rebar for main slab Area B1.
- Poured Slab Area B1





# Forming and Pouring West OZW Inlet Box Walls





# Pouring Filter Wall B16, First Lift



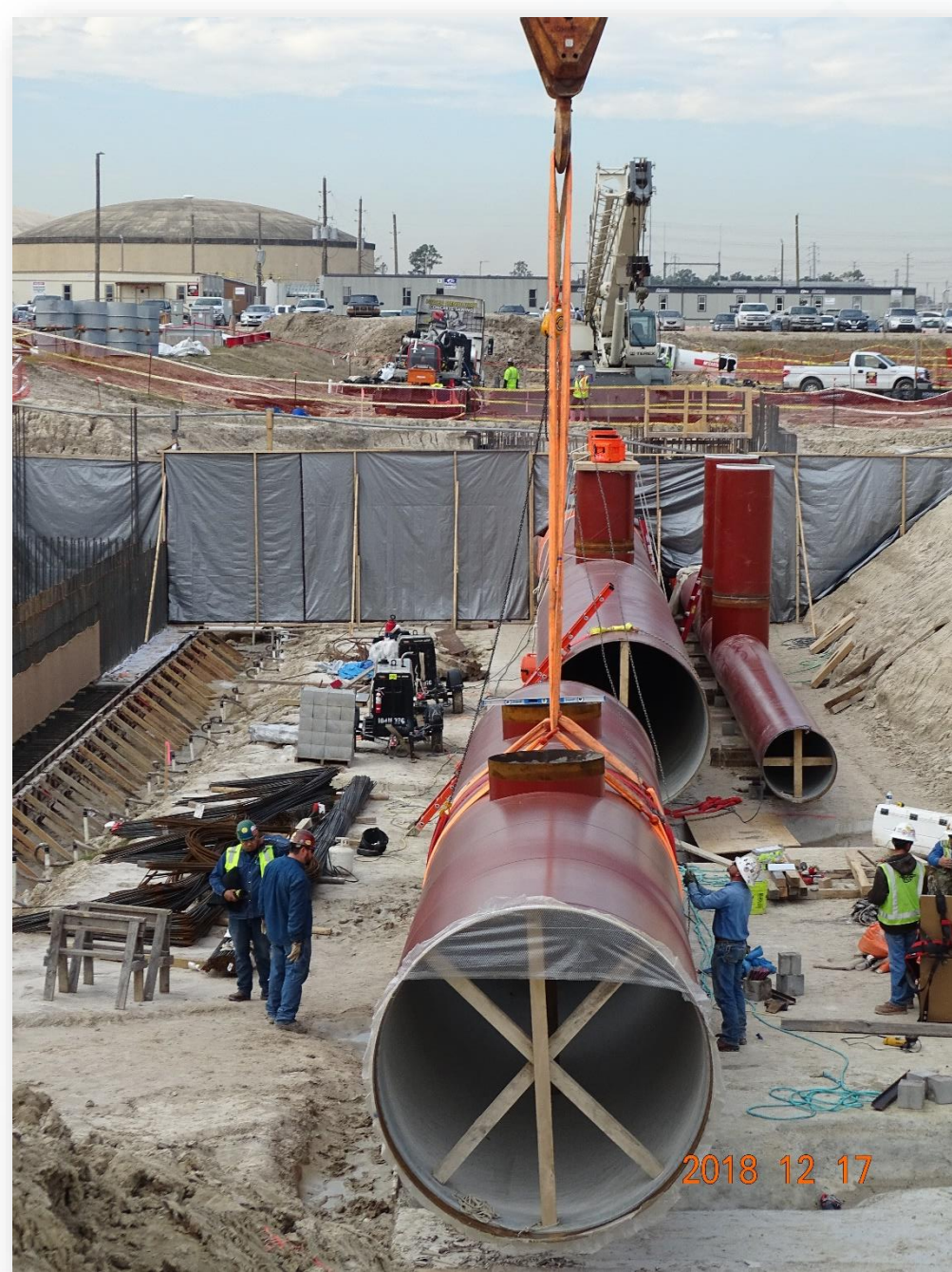


# Laying 36in FTW Piping





# Laying 84in CFE Pipeline





# Tying West Sanitary Drain Pump Station Walls





# Forming and prepping Filter Wall B10





# Concrete Finishing TPS Slab Area C6





# Pouring TPS Base Slab B1



2018 12 18



# Pouring TPS Base Slab B1





# Reinforcing TPS Base Slab

