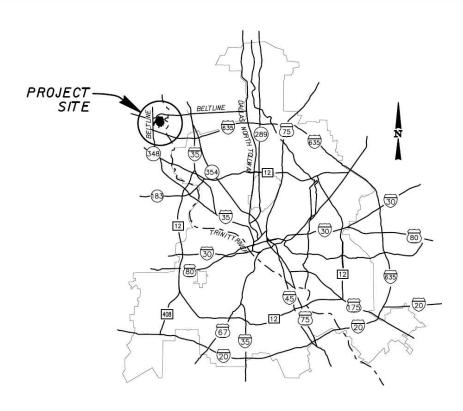


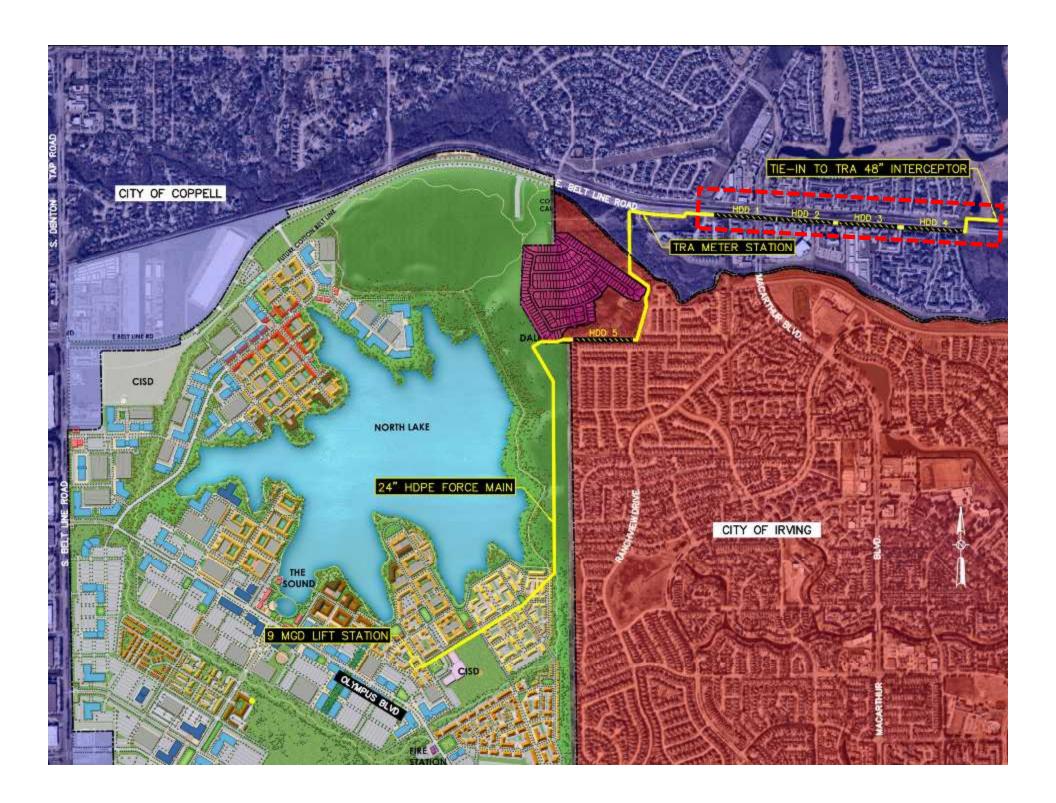
# Agenda

- Project Overview
- •Why HDD?
- Traffic Control
- Construction Footprint
- HDD Layout
- Construction Photos
- Summary

## Project Overview

- Location
- Scope
  - 9 MGD Lift Station
  - 15,000 LF 24" HDPE Force Main
  - 5,000 LF by HDD
- Total Project Cost
  - \$5.5 Million





## Why HDD?

- Belt Line Road Corridor
- Adjacent Development
- Railroad
- Traffic
- School
- Existing Utilities
- Visibility



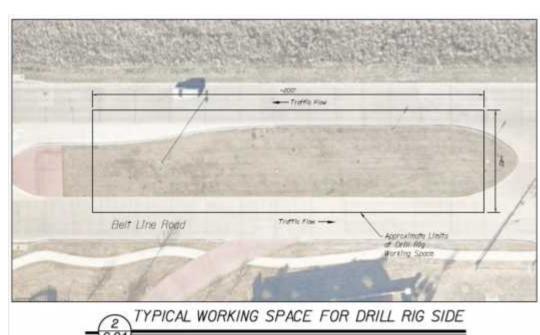
#### **Traffic Control**

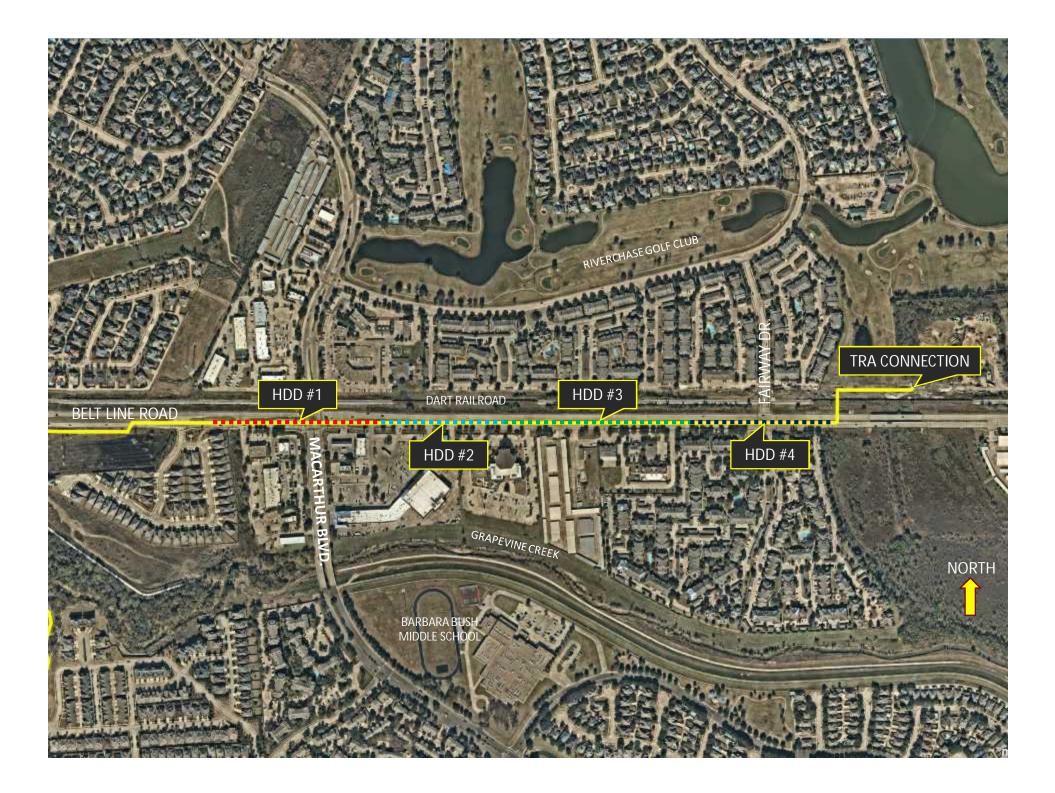
- Belt Line Road Section
  - 4-lane Divided
  - 6-lane Divided
- Maintain minimum two lanes each direction
- Rolling lane closures
- Phased traffic control plans
- Strung pipe out in sections to keep medians open
- CTB protection for drill rig overnight; cones for remaining traffic control

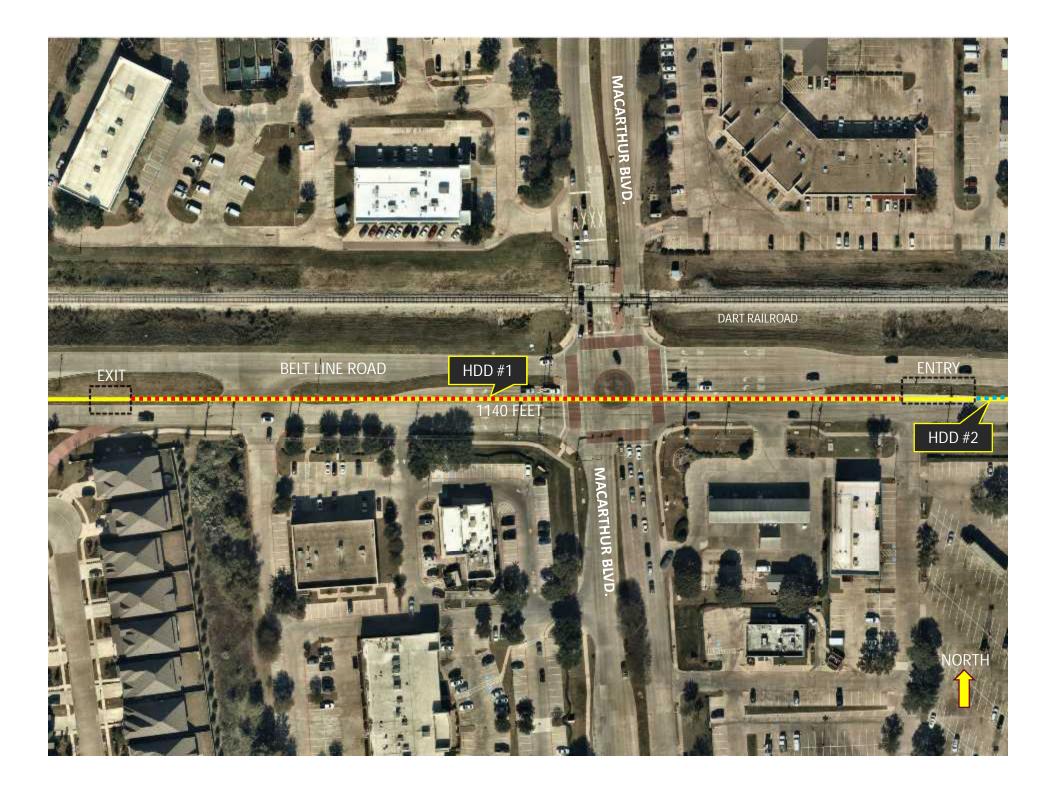


## Construction Footprint

- Water Tanker Truck
- Mud Recycling Trailer
- Job/Tool Trailer
- Drilling Rig
- Excavator
- Flatbed Truck
- Work Trucks



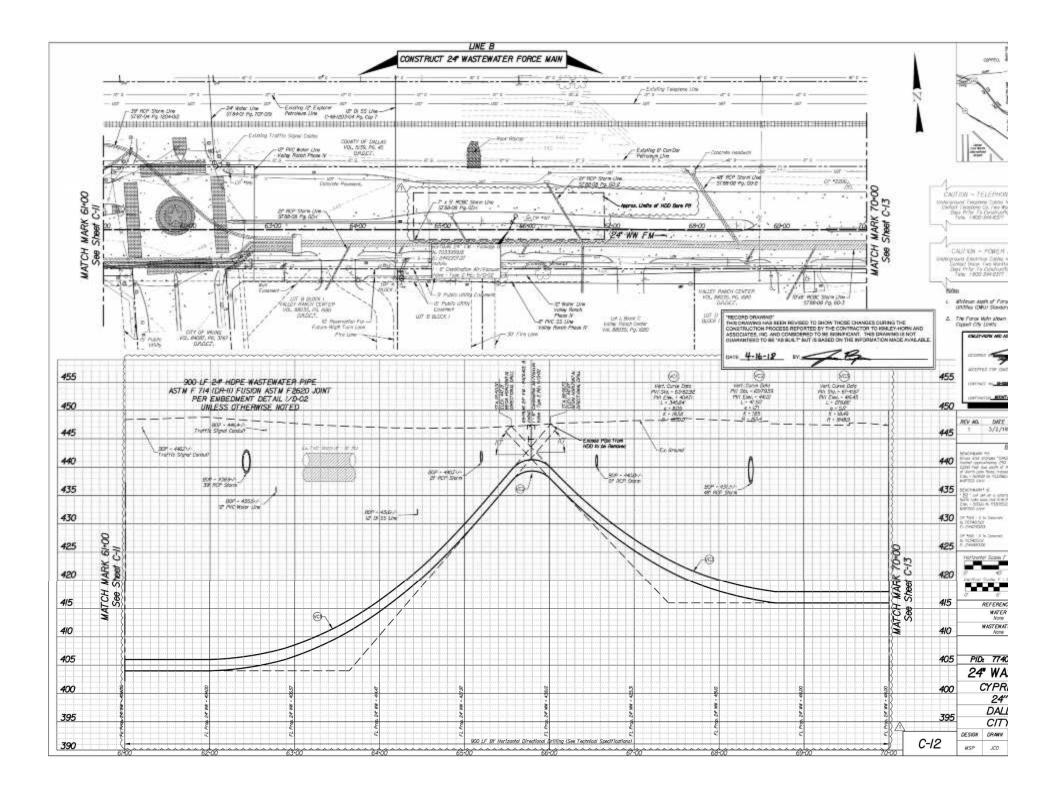
































### Summary

- Schedule
  - 1 month per drill
  - 4 months total in Belt Line Road corridor
- Coordination success
- Minimal disruption and no complaints!
- Lessons Learned
  - Depth variation/ideal radius
  - Utility clearance
  - Drill rig anchoring

## Thank You! Any Questions?

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