

# And I Thought This was Just a 48" Water Line Project



QUIDDITY

Panduranga Kuruva "PK", PE, MBA

David Warner, PE

David Olf, PE

Michael Gurka, PE

January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Project Objectives

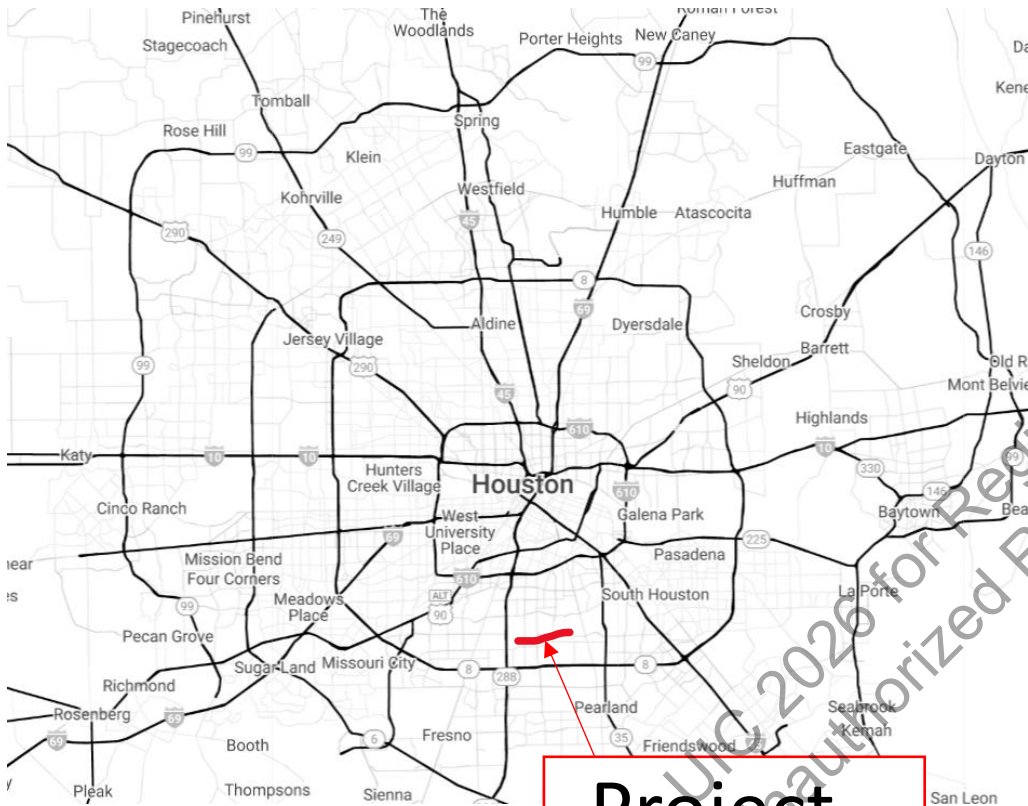
- Boosting Water Pressure in the Region through Looping
- Providing Redundancy and Increasing Water Supply Reliability
- Meeting the Growing Population's Water Demand in Southeast Houston
- Supplying Treated Surface Water to Citizens and Reducing City of Houston's Dependency on Groundwater Use to Meet the Harris-Galveston Subsidence District's Requirements

January 27 – 28, 2026

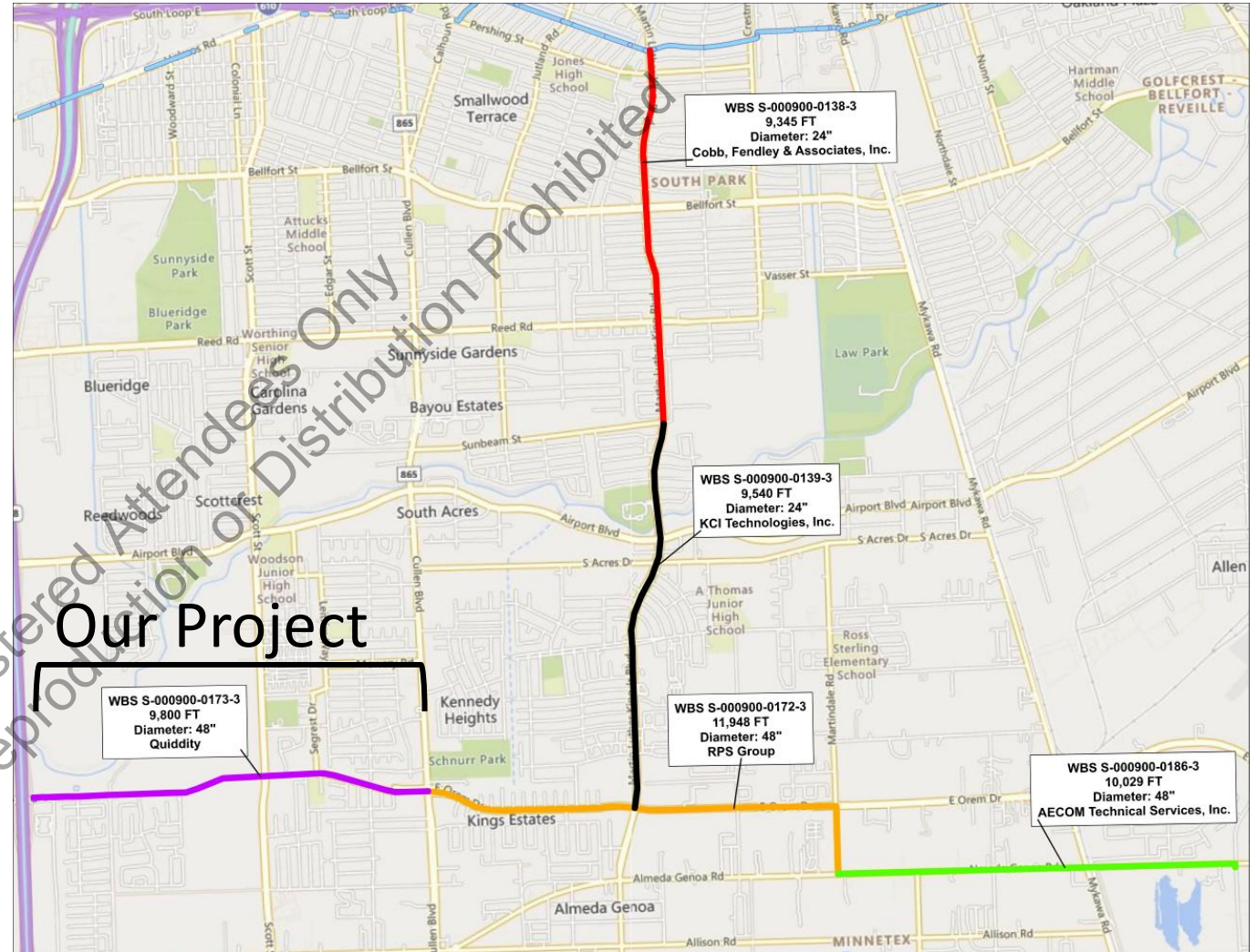
Henry B. Gonzalez Convention Center, San Antonio, Texas



# Project Location



Project Location



## Our Project

Part of Fuqua Extension Transmission Line (5 Segments)

January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas





# Utility Relocations



New Developments



Fiber Optic/Cable



8" WL Bridge Crossing



Sanitary Sewer Bypass



Pipeline/HVTL



Streetlights

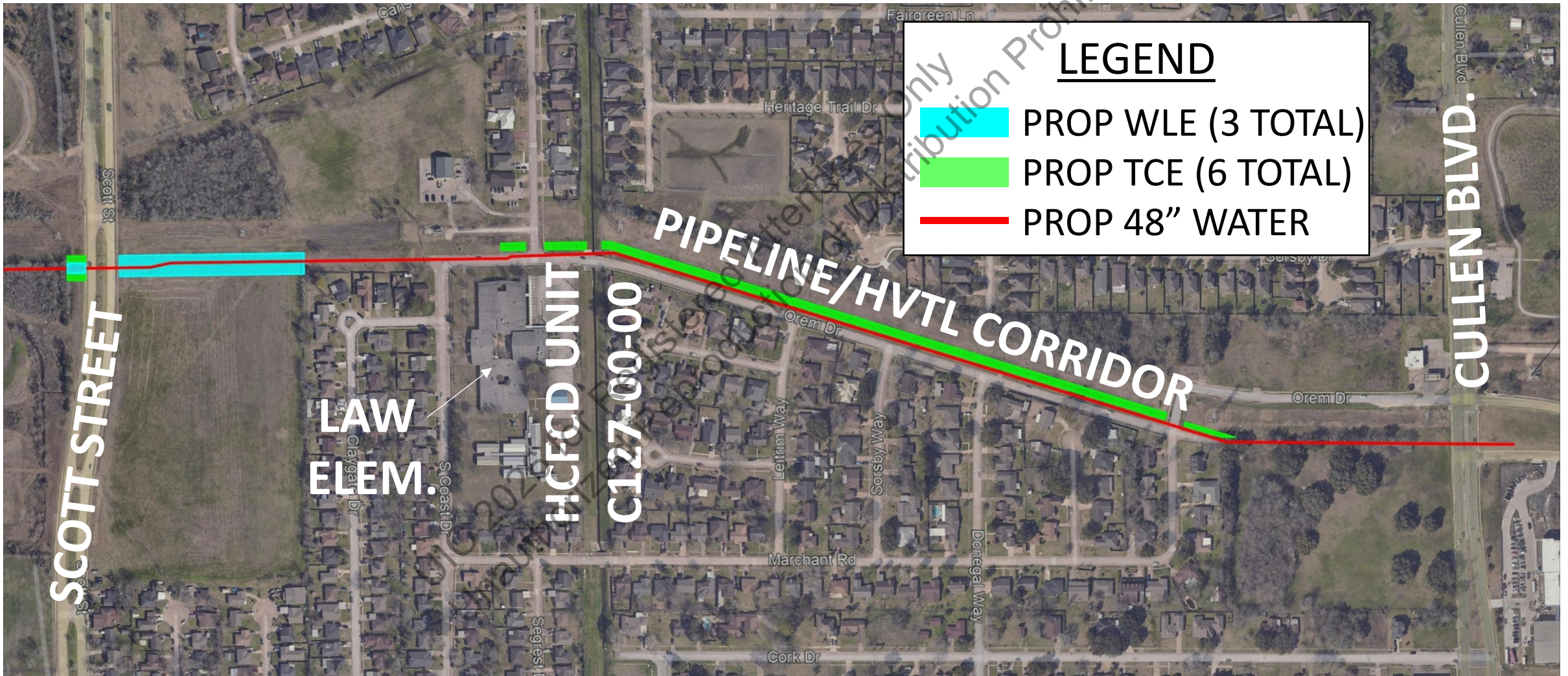


January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Easements

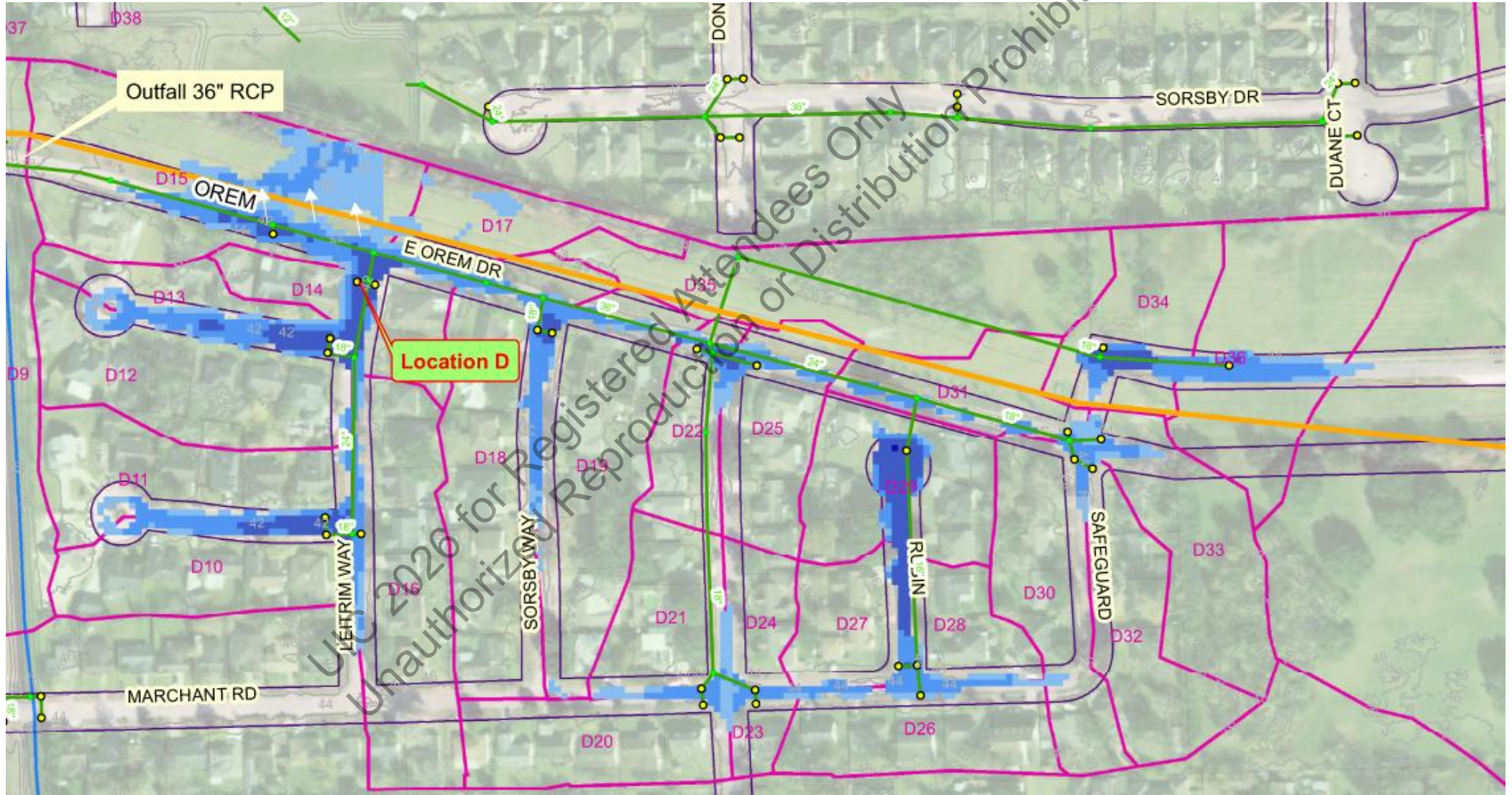


January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Drainage Improvements



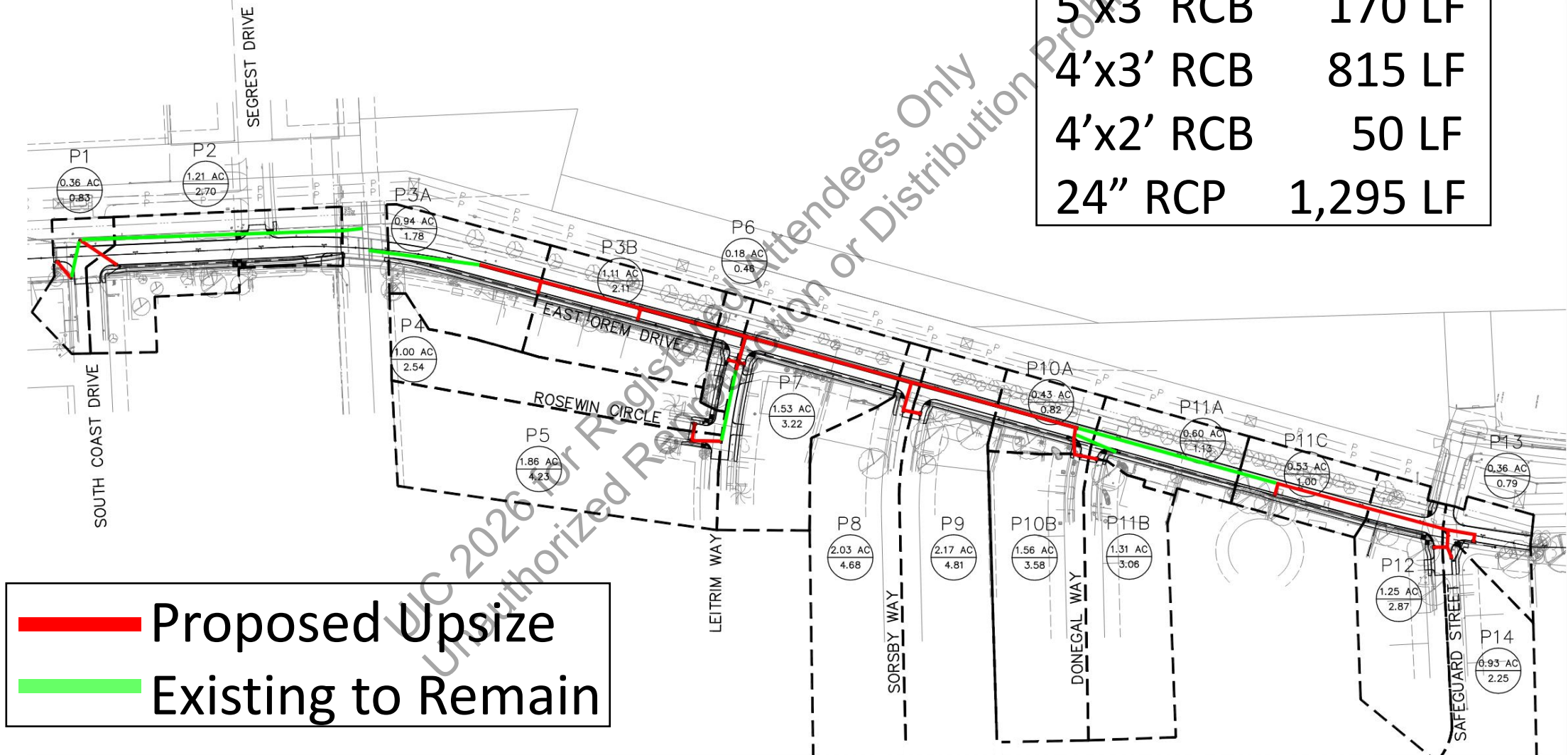
January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Drainage Improvements

5'x3' RCB	170 LF
4'x3' RCB	815 LF
4'x2' RCB	50 LF
24" RCP	1,295 LF

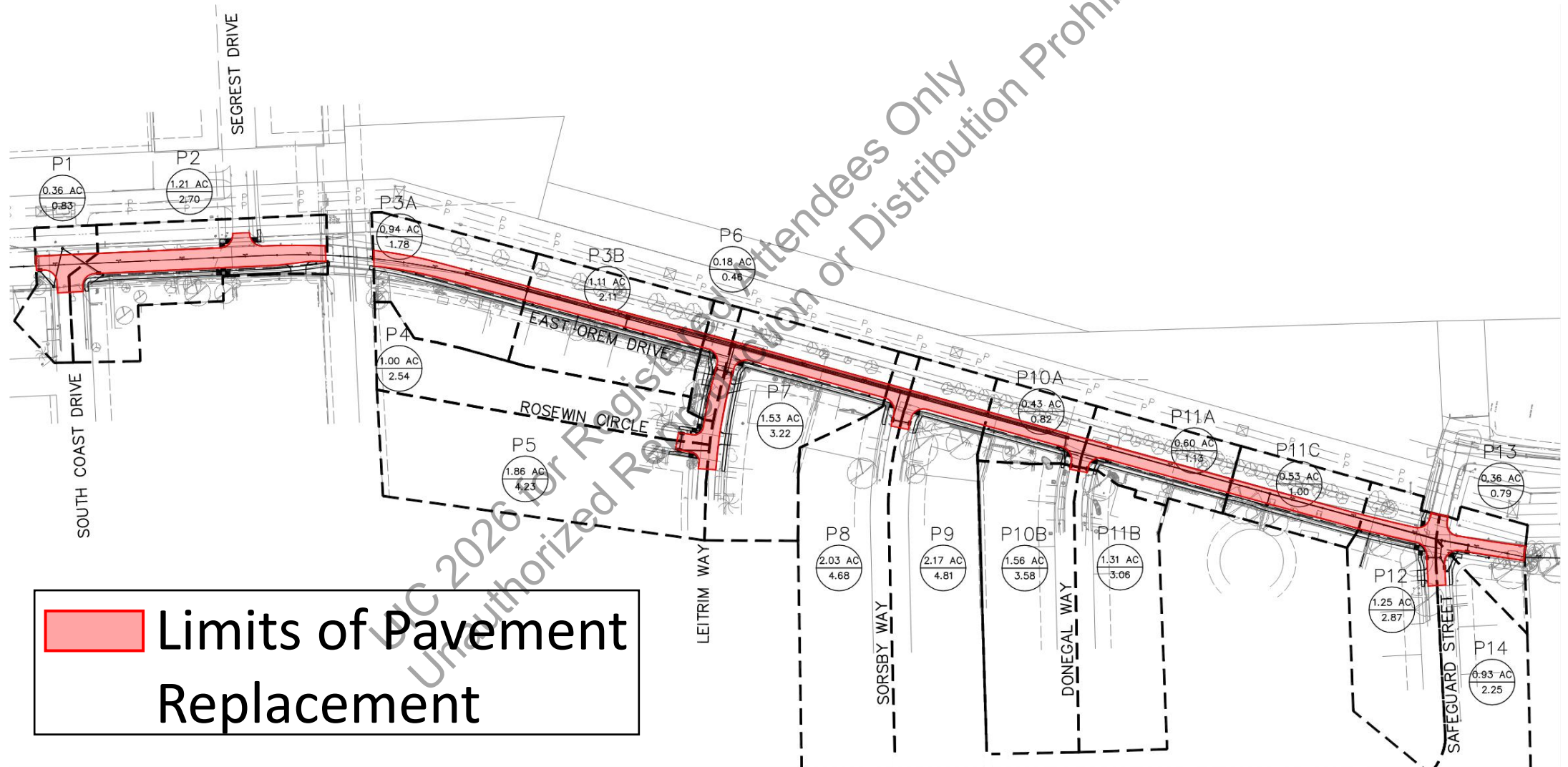


January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Road Reconstruction



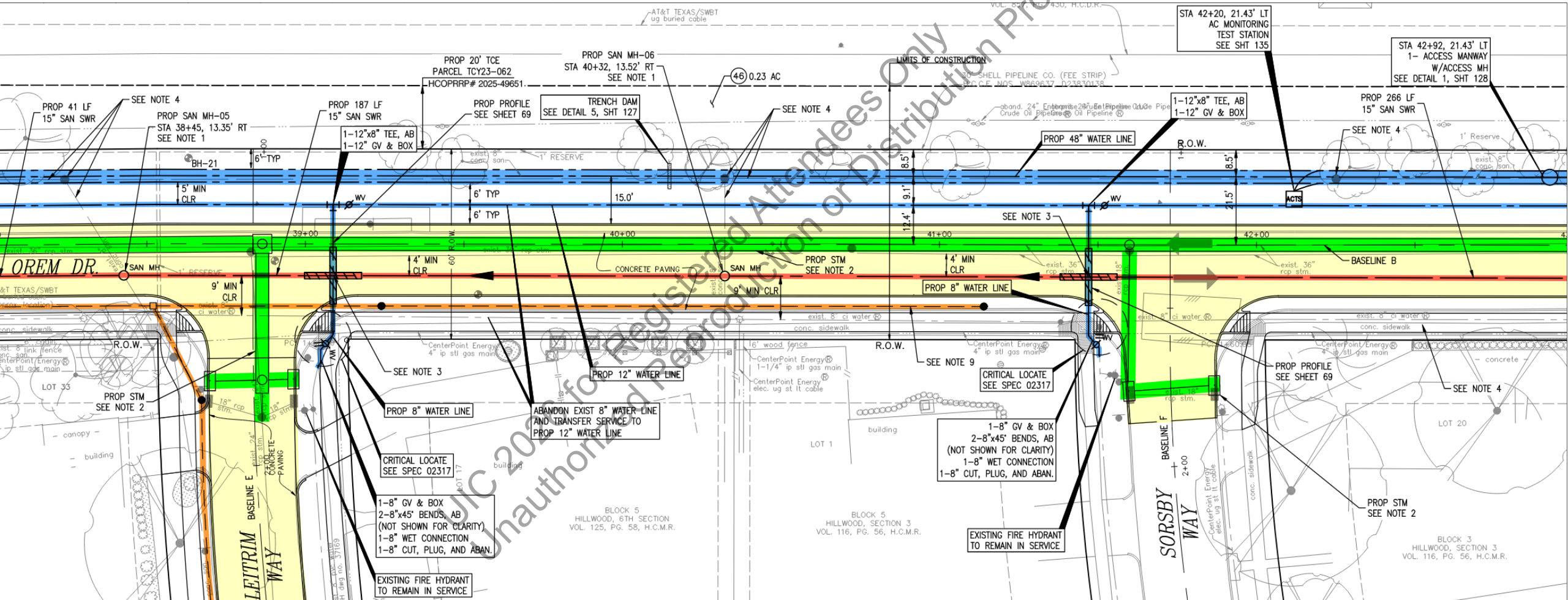
Unauthorized Registration or Distribution Prohibited

January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Road Reconstruction



January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Road Reconstruction

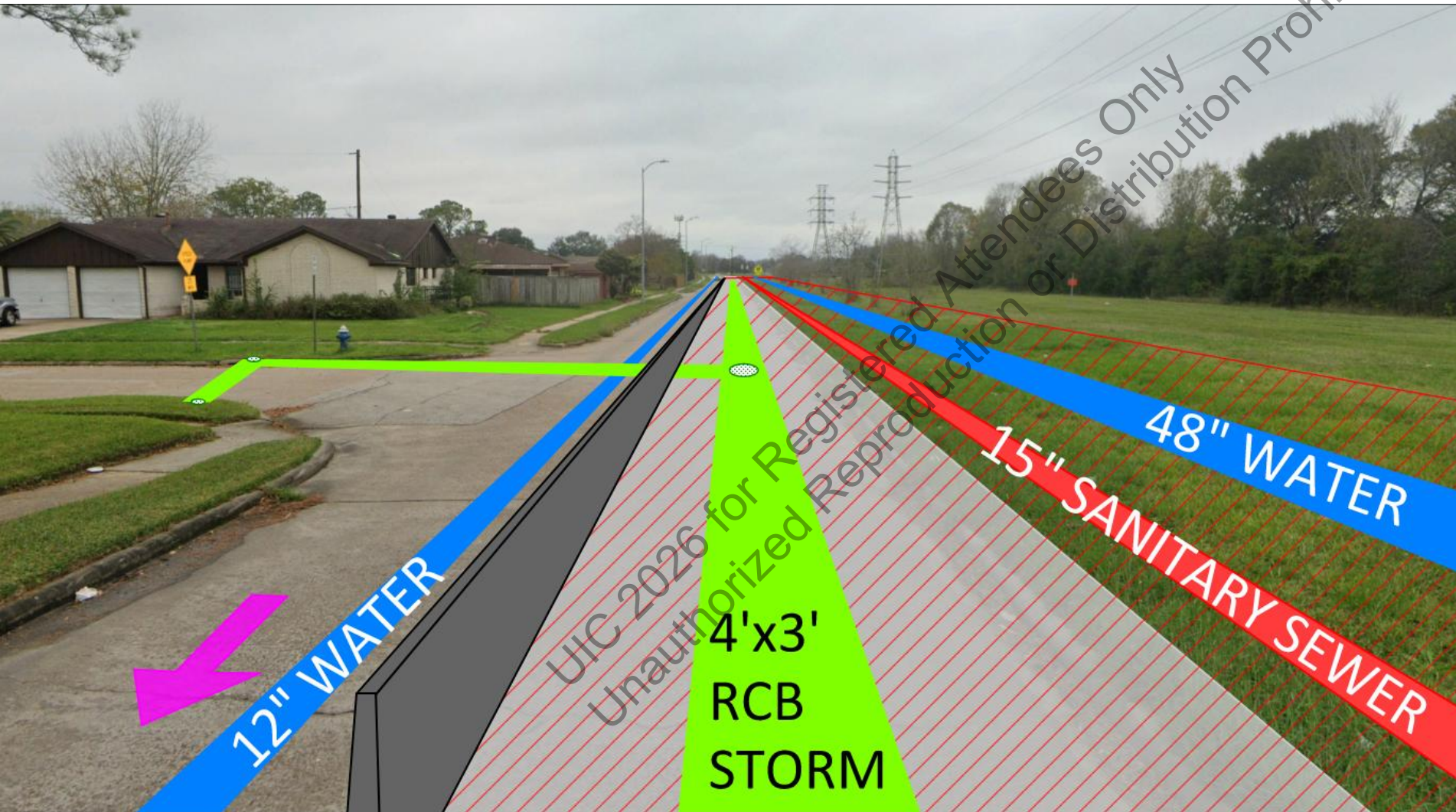


January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Traffic Control Plan – *Initial*



- Demo WB Pavement
- Construct Sanitary Sewer
- Replace Storm Sewer
- Reconstruct Pavement
- Demo Sanitary Sewer
- Construct 48" Water

January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Traffic Control Plan - Final



January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Stakeholder & Community Engagement

Elementary School



HOA



UIC 2026 for Registered Attendees Only  
Unauthorized Reproduction or Distribution Prohibited



# Stakeholder & Community Engagement

## Businesses/New Development



January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Conclusion

**Change in Design Approach**

**Project Delay - Easements**

**Maximizing Value**



**Evolution of Design Scope**

**Adjustments for Development**

**Bid Results**

**Budget Conscious**

January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas



# Questions?



**QUIDDITY**

**David Warner, PE**  
[dwarner@quiddity.com](mailto:dwarner@quiddity.com)

**Michael Gurka, PE**  
[mgurka@quiddity.com](mailto:mgurka@quiddity.com)

**David Olf, PE**  
[dolf@quiddity.com](mailto:dolf@quiddity.com)

**Panduranga Kuruva "PK", PE, MBA**  
[panduranga.kuruva@houstontx.gov](mailto:panduranga.kuruva@houstontx.gov)

January 27 – 28, 2026

Henry B. Gonzalez Convention Center, San Antonio, Texas

