Woodson Village Water and Wastewater Rehabilitation

Kimley »Horn

Marty Paris, PE Eli Puente, PE Kimley-Horn and Associates, Inc.



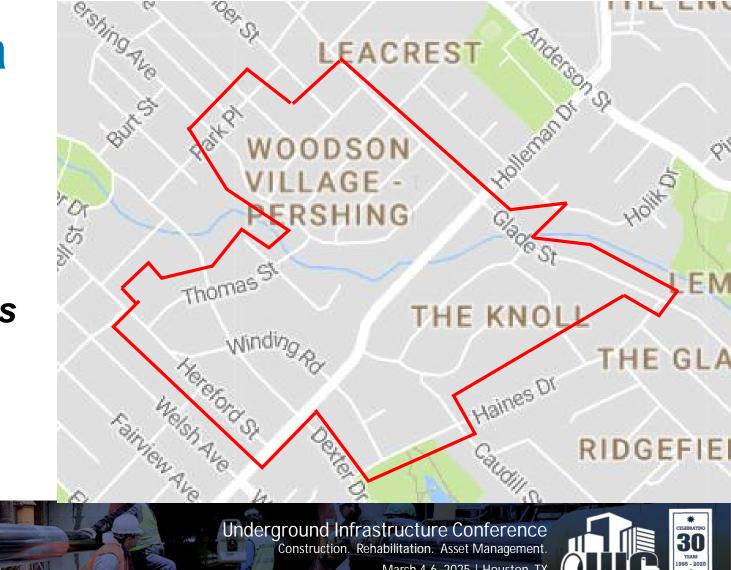
Casey Rhodes, PE City of College Station



Project Area

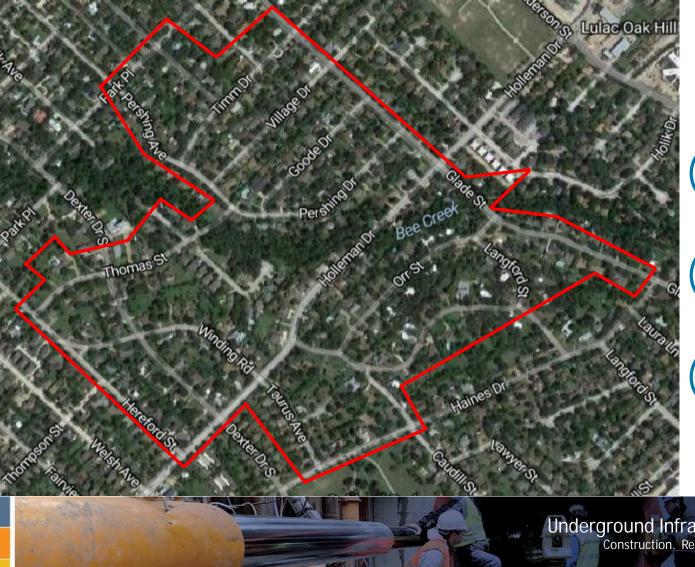


Residential Neighborhood 1950s and 1960s



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Project Concerns Water Main Breaks

Wastewater Blockages

Improved Fire Hydrant Spacing

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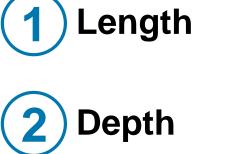
Project Description

17,000 LF 2-Inch to 12-Inch Water Main Replacement

16,000 LF 4-Inch to 15-Inch Wastewater Main Replacement



Evaluating Open Cut vs. Trenchless



3 Surface Improvements

Number of Service Connections





Evaluating Open Cut vs. Trenchless

5 Condition of Existing Main



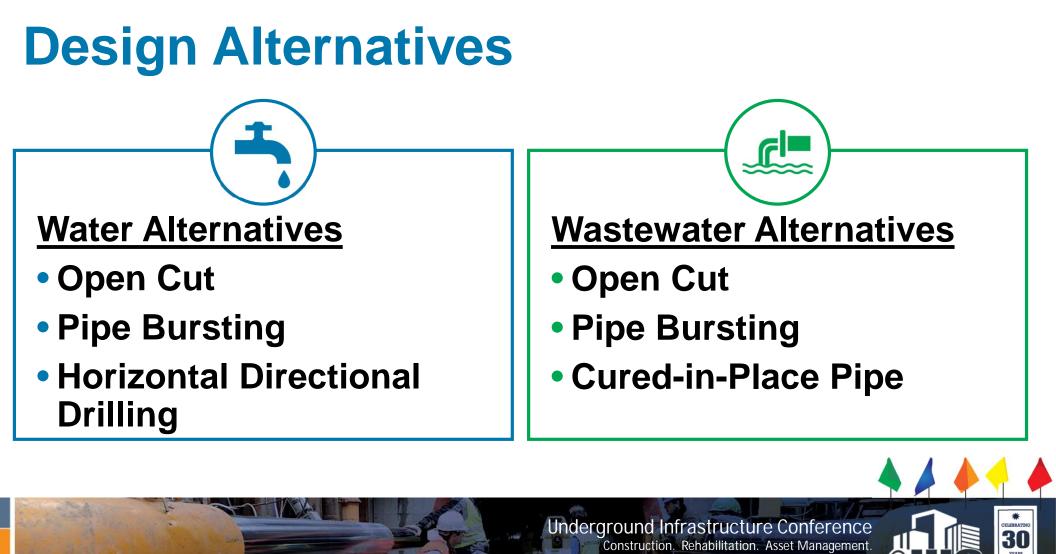
Alignment

7 Ex. Embedment or Encasement

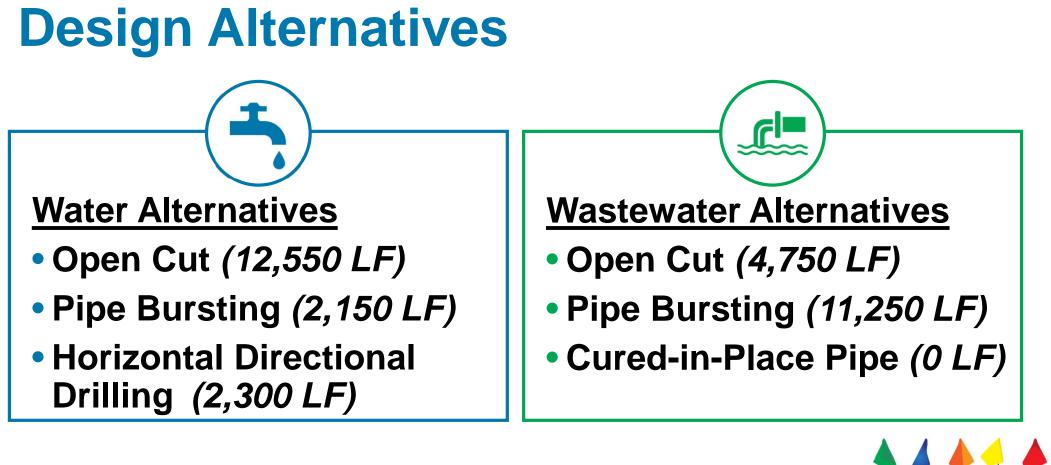
Proximity of Other Utilities





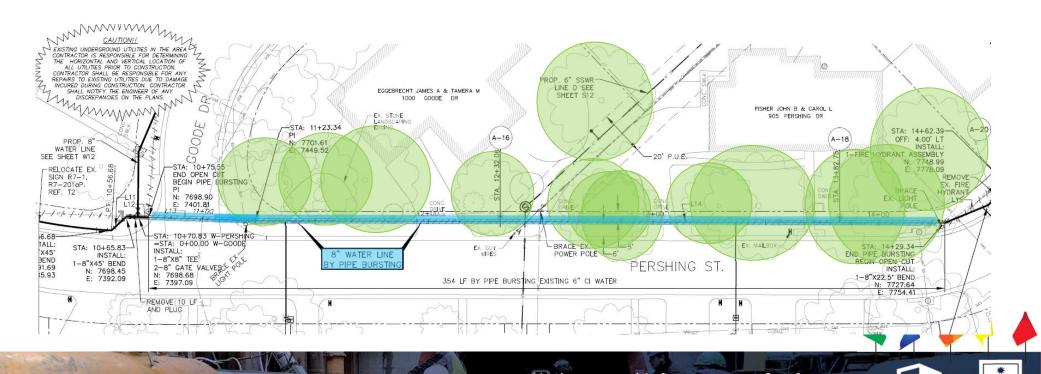


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6-Inch Cast Iron Water Main Pipe Bursting to 8-Inch HDPE Water Main



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YEARS 1995 - 2025

6-Inch Cast Iron Water Main Pipe Bursting to 8-Inch HDPE Water Main



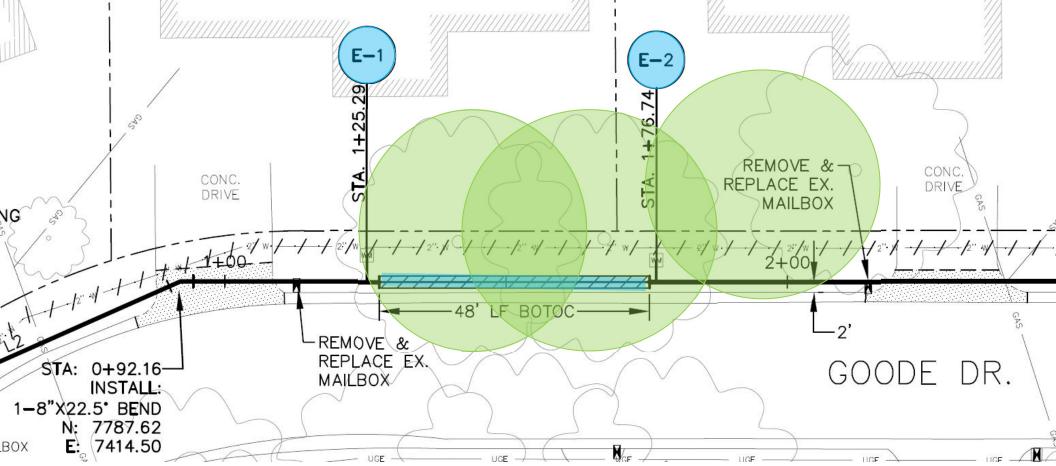
Water Pipe Bursting Construction Photos



Water Pipe Bursting Construction Photos



8-Inch Water Main by Horizontal Directional Drilling



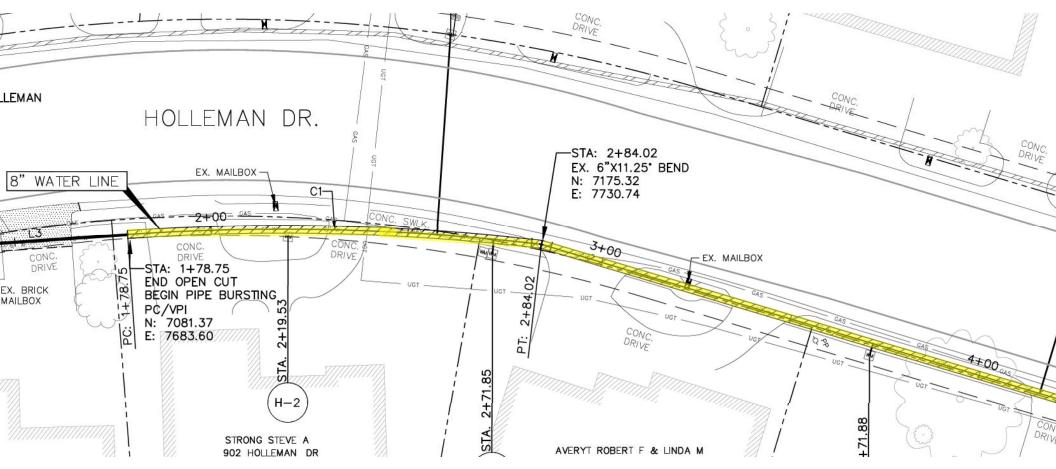


8-Inch Water Main by Horizontal Directional Drilling

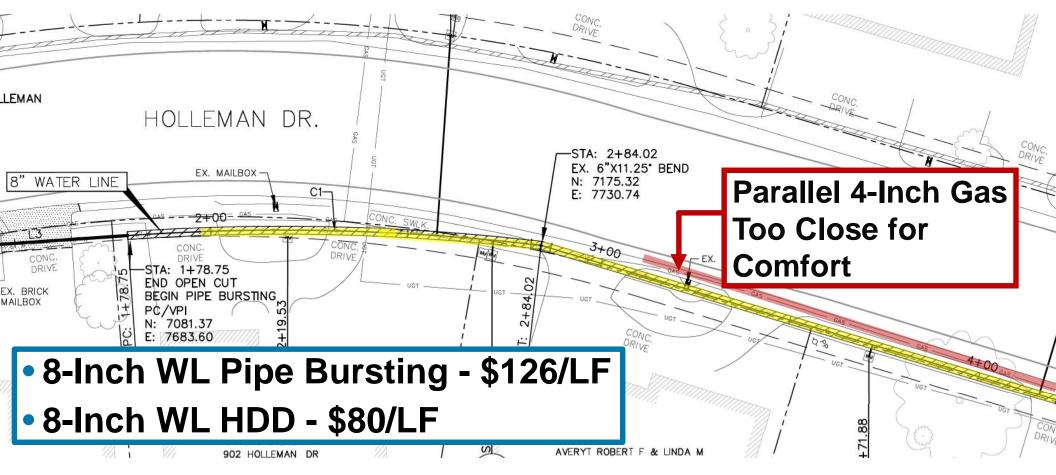
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8-Inch WL along Holleman Drive – Proposed for Pipe Bursting



8-Inch WL along Holleman Drive – Revised to HDD



8-Inch Water Line by Horizontal Directional Drilling



8-Inch Water Line by Horizontal Directional Drilling



8-Inch Water Line by Horizontal Directional Drilling



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