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**OPW 53149 CSO 119 SOUTH
BARREL CONVERSION &
SEWER SEPARATION**

30% DESIGN PRESENTATION – MANDAN PARK

September 24, 2024



INTRODUCTIONS

- City Project Manager, Max Kiemde, Omaha Public Works
 - 402-444-5220
- City Communication Manager, Cassie Sullivan, Public Works
 - 402-444-5250
- Design Project Manager, Tom Heinemann, Jacobs
 - 402-609-7527
- Project Design Manager, Adam Wilmes, Embris Group
 - 402-250-3001
- Public Outreach Facilitator, Brian Kaminski, Emspace + Lovgren
 - 402-964-0213



PURPOSE

- CSO Program Overview
 - CSO Program Goals
 - Combined Sewer Overflow
 - Opportunities & Benefits
- Project Overview
 - Location
 - Objectives
 - What to expect
 - Schedule



CSO PROGRAM GOALS

The Omaha CSO Program is responsible for improving water quality in area rivers and streams by reducing combined sewage overflows. The CSO Program has three primary goals:

Regulatory Compliance

Economic Affordability

Community Acceptance



REGULATORY COMPLIANCE

- Implement projects according to state and federal regulations
- Reduce pollutant impacts from the CSOs on the Missouri River and Papillion Creek



ECONOMIC AFFORDABILITY

- Minimize the financial burden to ratepayers / customers

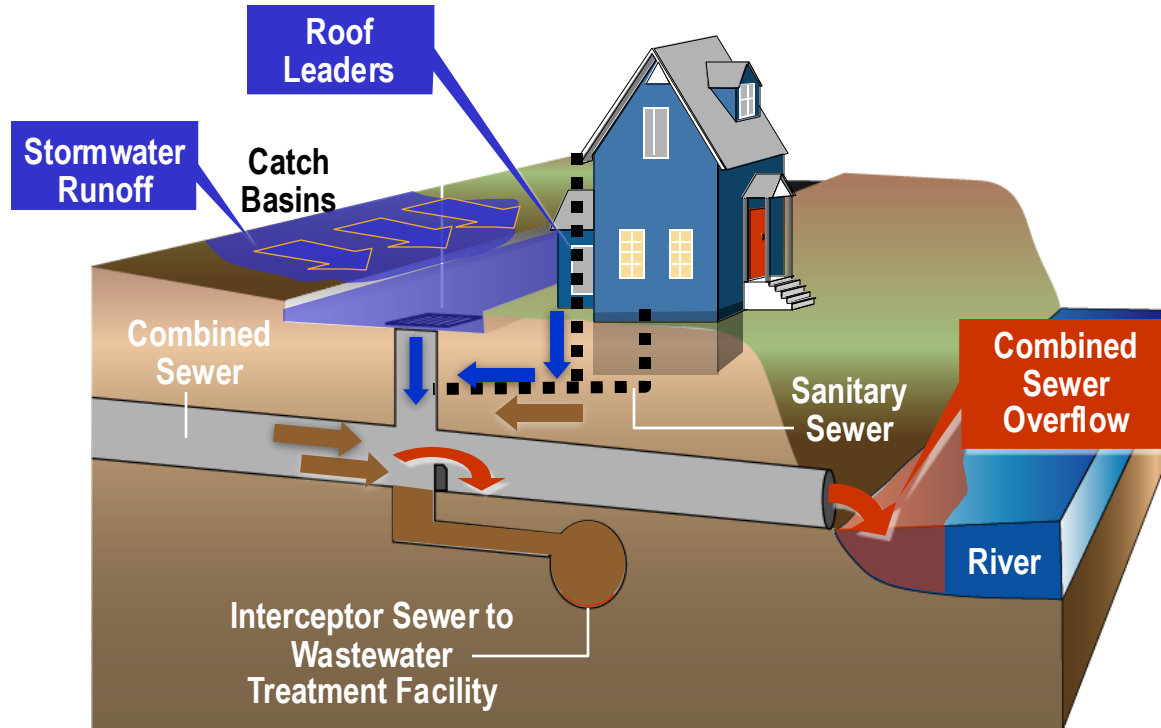


COMMUNITY ACCEPTANCE

- Facilitate open dialogue with the public
- Provide timely program and project information



COMBINED SEWER OVERFLOW



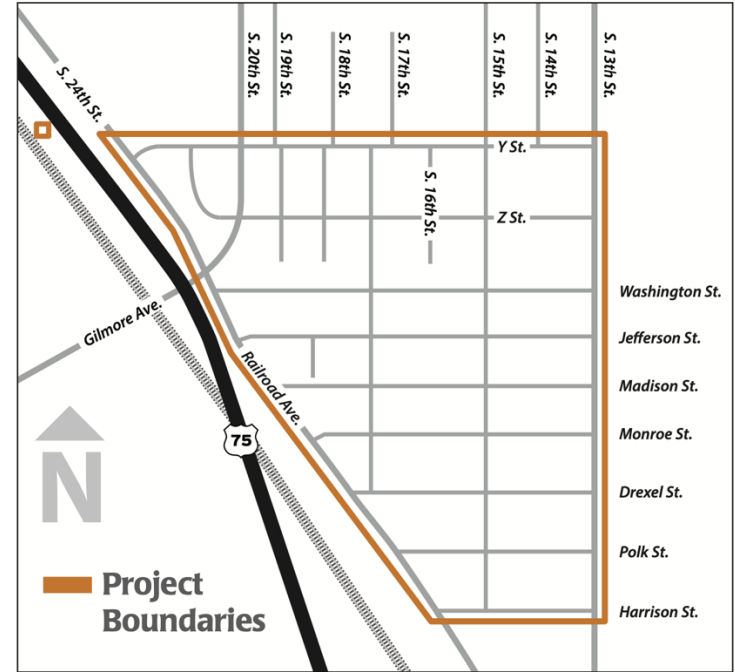
OPPORTUNITIES & BENEFITS

- Reduce overflows of raw sewage to our streams; improve water quality
- Continue to eliminate sewer backups into basements
- Replace aging sewer, gas, water and street infrastructure
- Improve drainage and flooding
- Creating community amenities while implementing sound infrastructure solutions



PROJECT OVERVIEW

- Location
 - East of Railroad Ave.
 - South of Washington St.
 - West of 13th St.
 - North of Harrison St.





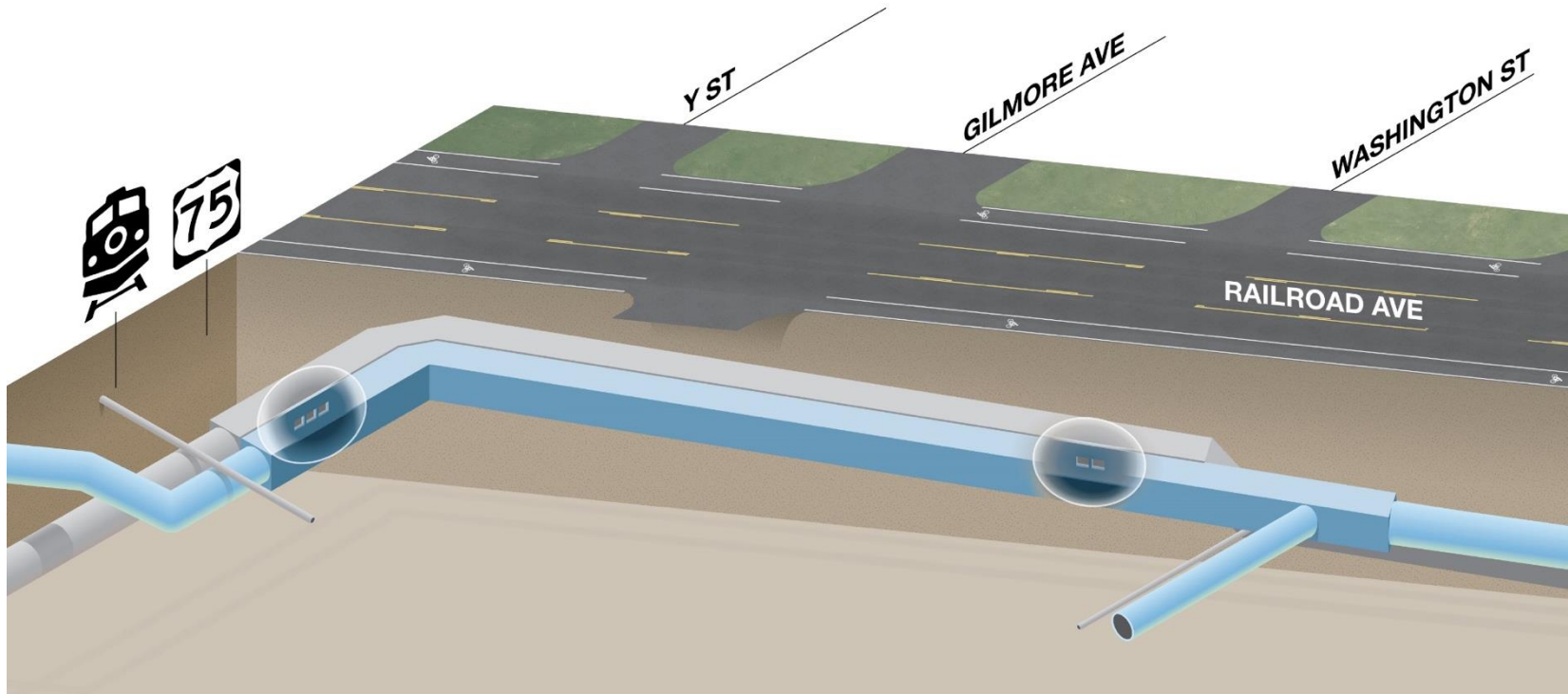
WHAT IS A BARREL?





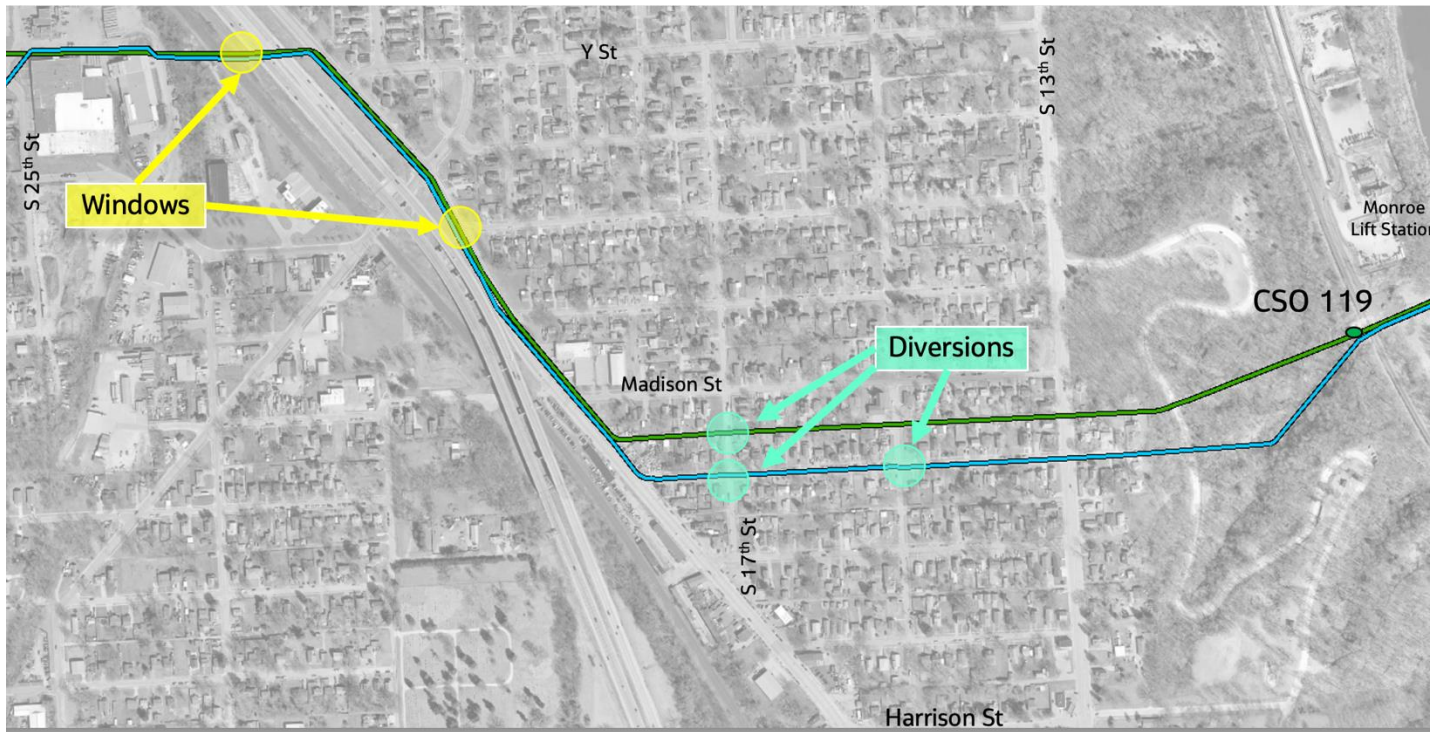
WHAT IS A WINDOW?





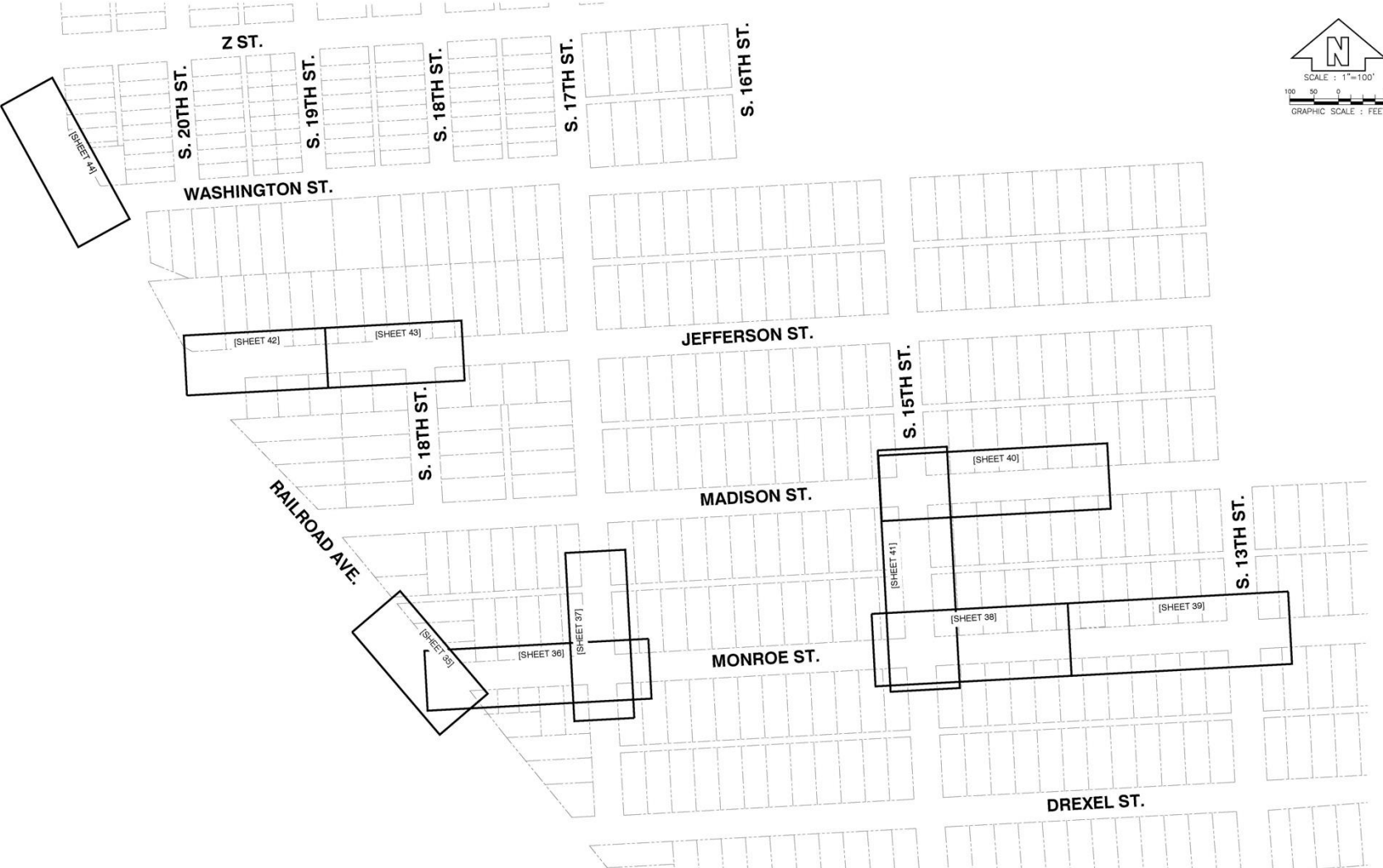
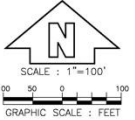
NORTH & SOUTH BARREL





NORTH & SOUTH BARREL





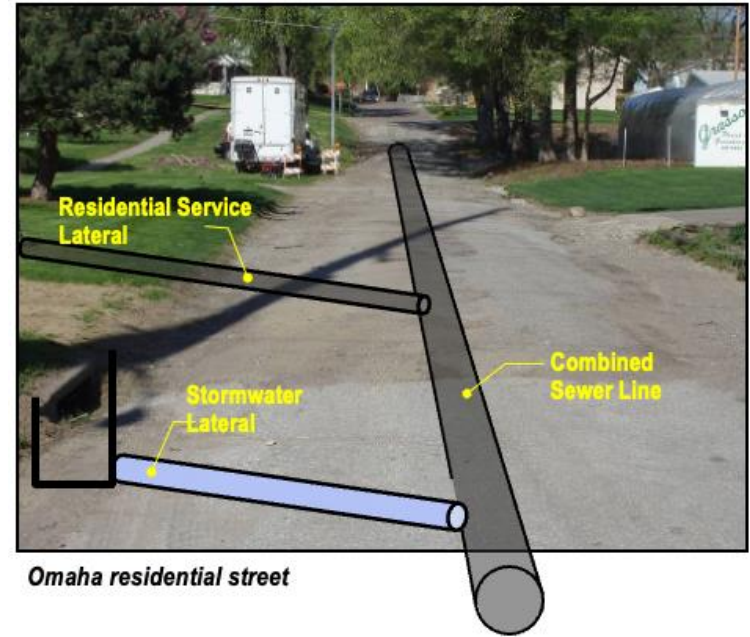
PROJECT OVERVIEW

- Objectives
 - Separate the South Barrel from the North Barrel
 - South Barrel becomes a dedicated storm sewer
 - Wastewater is directed into the North Barrel for treatment
 - Close the openings between North and South Barrels
 - Closing diversion structures



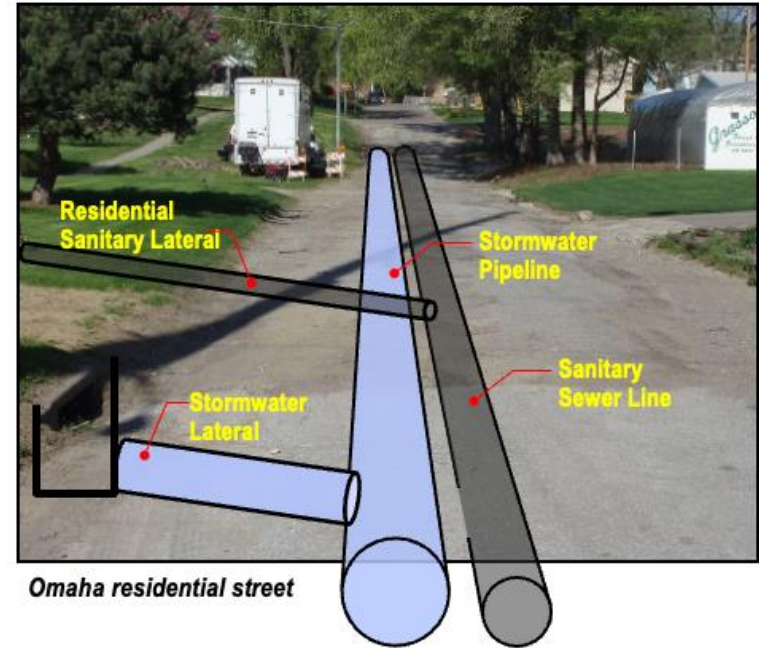
PROJECT OVERVIEW

- Objectives (cont.)
 - Local sewer separations to eliminate connections to the South Barrel



PROJECT OVERVIEW

- Objectives (cont.)
 - Local sewer separations to eliminate connections to the South Barrel



Omaha residential street



PROJECT OVERVIEW

- What to expect
 - Remove and replace street
 - New storm sewer and inlets
 - Remove and replace driveway approaches
 - Remove and replace sidewalk
 - Widen to 5'
 - New ADA ramps
 - Remove trees between street and sidewalk
 - Most work will be in street ROW – limited work in easements on private property
 - Most easements will be to replace a short reach of driveway on the property side of the sidewalk





SANITARY SEWER INSTALLATION



PROJECT OVERVIEW

- What to expect (cont.)
 - Maintaining Access to Properties is Critical
 - All Phases, Including Removals, Water, Sewer, Pavement
 - Provide Access or Work with Individual Property Owners for Alternatives
 - Business Access
 - Emergency Access
 - Garbage / Mail Delivery





COMPLETED STREET



PROJECT OVERVIEW

- Schedule
 - 30% Design – Summer 2024
 - 60% Design – Winter 2025
 - Final Design – Fall 2025
 - Bid Advertisement/Opening – Fall 2025 / Winter 2026
 - Construction Start – Spring 2026

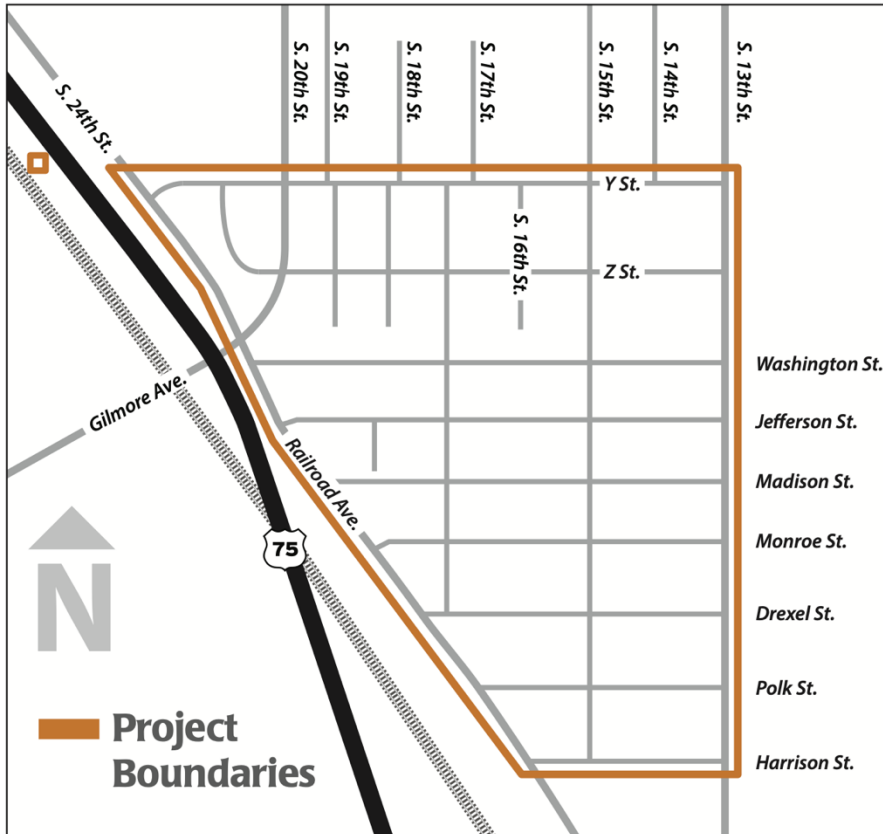


PROJECT OVERVIEW

- Next steps
 - Stakeholder outreach
 - Right-of-Way negotiations (for those impacted)
 - Select a general contractor
 - Pre-construction meeting late 2025 or early 2026



QUESTIONS?





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THANK YOU FOR YOUR TIME





Y St

S 13th St

S 25th St

Windows

Monroe Lift Station

CSO 119

Diversions

Madison St

S 17th St

Harrison St