



WW-2 and WW-3 Warson Woods Sanitary Relief (12302)

Virtual Town Hall

SEPTEMBER 2, 2020

6:00pm – 7:00pm

Today's Roadmap



- Technology Overview and Ground Rules
- Overview of MSD Project Clear
- Project Overview and Specifics
- FAQs
- Q&A



Notes on our Virtual Town Hall Platform

- Participants are in listen-and-view mode
- There are several ways to engage
 - Type your question using Q/A icon at the bottom of your screen at any time (even before the Q/A portion has begun)
 - Everyone can read all questions posted and you can “Upvote” questions you want answered



MSD Project Clear (MSDPC) Overview & Details

- Government Utility
 - State Constitution
 - Voter Approved Charter in 1954
 - 6 Member Board of Trustees (3 City & 3 County)
- Two utilities: Wastewater & Stormwater
- 520 square mile service area
 - All of St. Louis City
 - 87% of St. Louis County
- ~1,300,000 customers
- 88 municipalities served
- 7 Treatment Plants
- 350+ million gallons per day of wastewater treated
- 4,700+ miles of wastewater sewers
- 1,800+ miles of combined sewers
- 3,000+ miles of stormwater sewers
- 4th largest sewer system in the United States (as measured by miles of sewers handling wastewater)

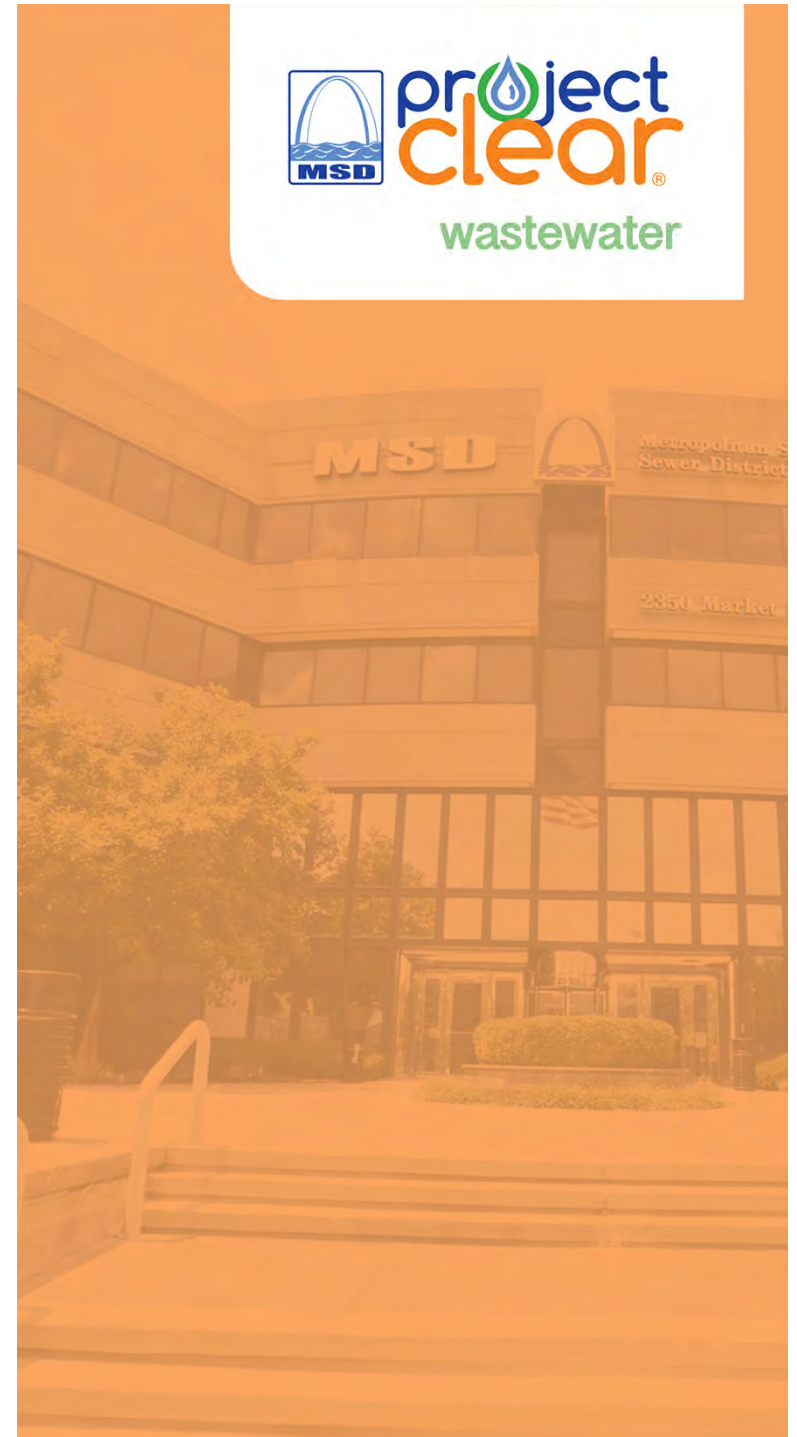
2 UTILITIES
IN one



WW-2 and WW-3 Warson Woods Sanitary Relief (12302)

Steve Roberts, P.E. – MSD Project Manager

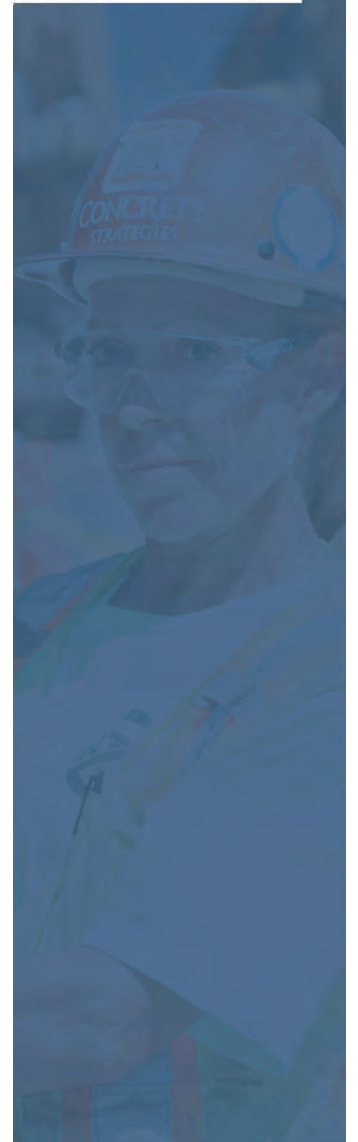
Curt Kimmel, P.E. – Burns & McDonnell
Project Manager

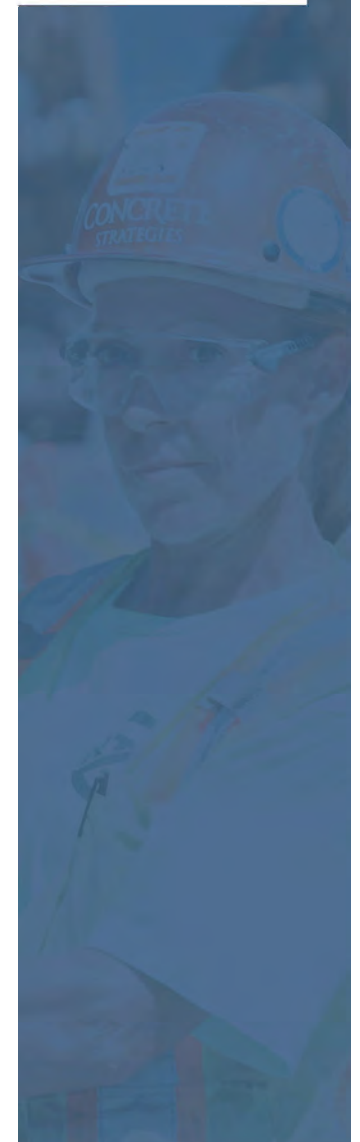
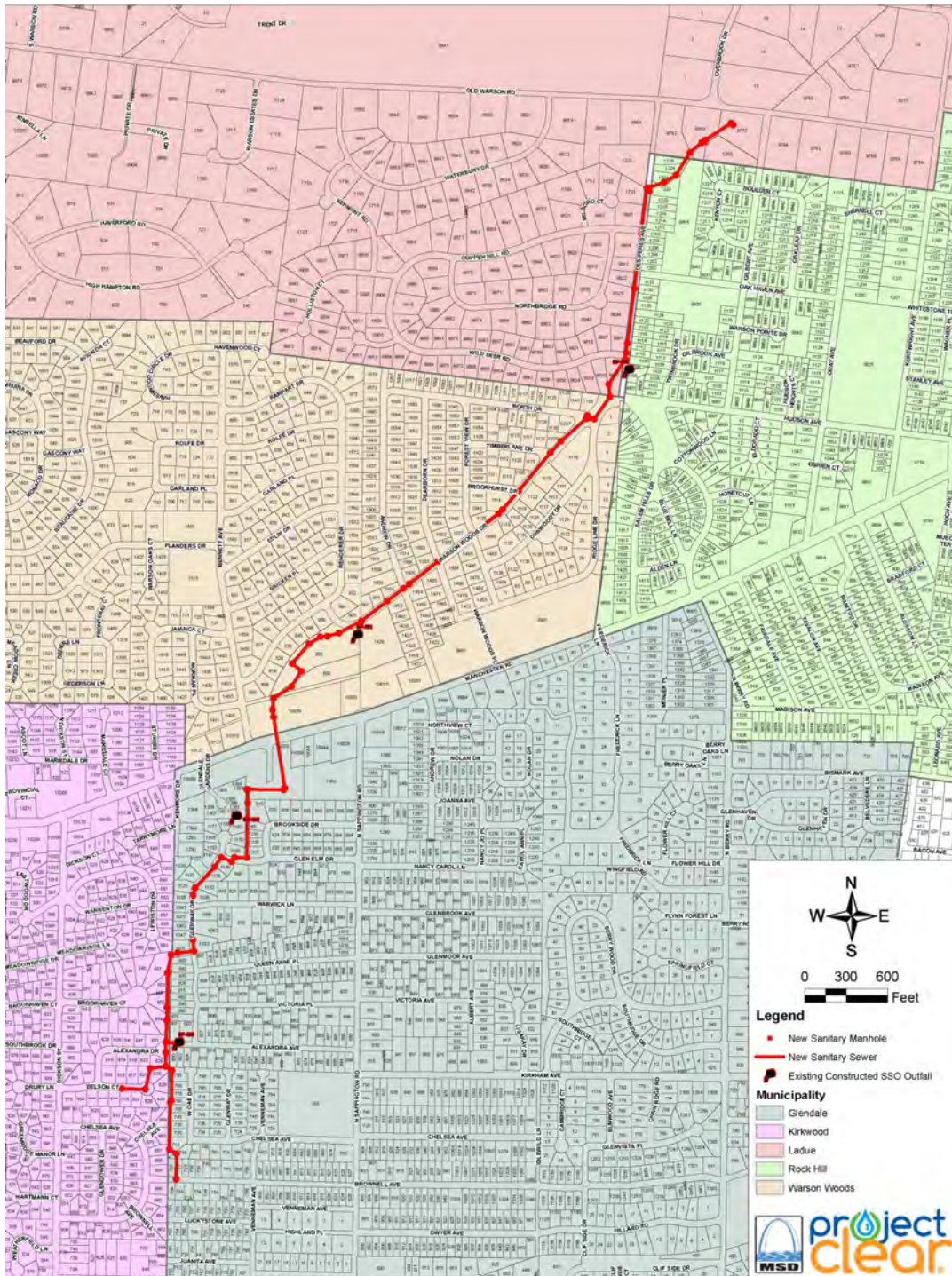


Project Overview



- Origin of Project
 - The existing sanitary sewer is undersized.
 - Building back-ups due to overcharged or blocked sewer mains in the project area.
 - Three (3) Constructed Sanitary Sewer Overflow (SSO) Outfalls.
- Project Goal and Benefits
 - Alleviate sanitary sewer surcharging and building back-ups during rainfall events.
 - Remove three (3) Constructed SSO Outfalls to prevent untreated wastewater from spilling into local waterways.





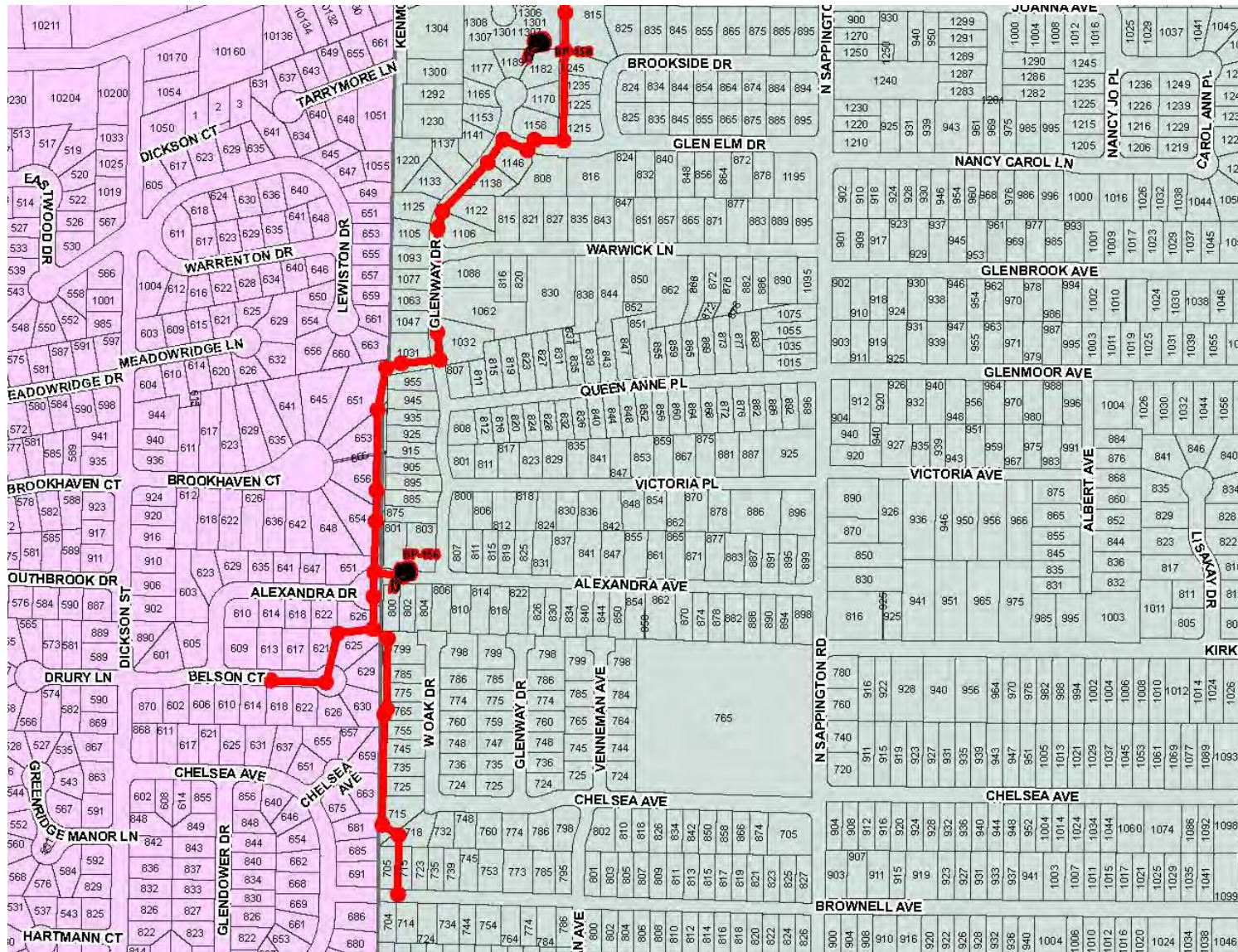
Project Map



Project Map



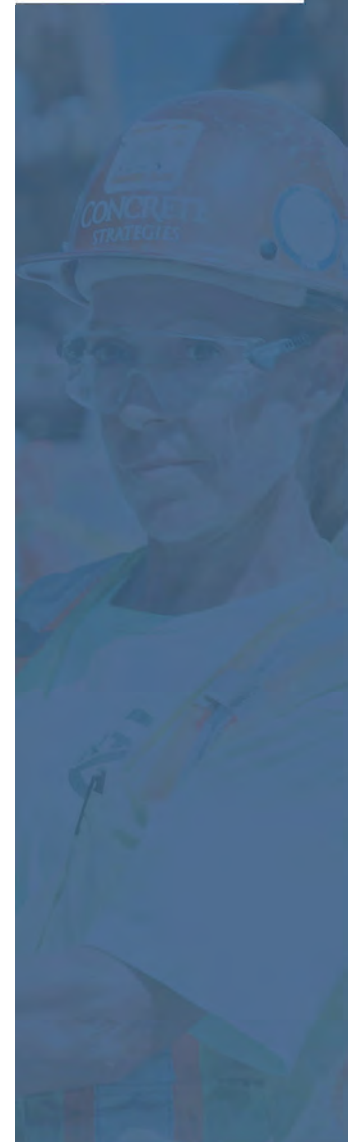
Project Map



Project Facts



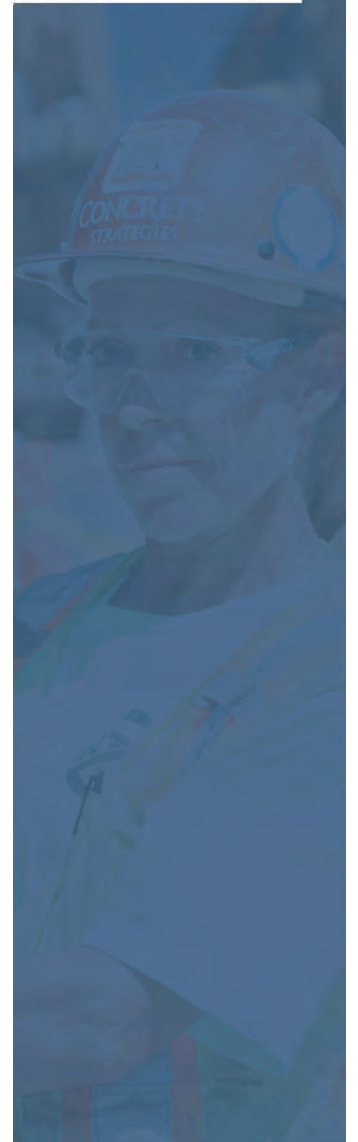
- Proposed Sanitary Relief Sewer
 - 10,700 LF
 - 10 feet to 25 feet in depth
 - 8-inch to 30-inch in size
- Remove three (3) Constructed SSO Outfalls
 - Previously identified on Project Map



How It Will Be Built



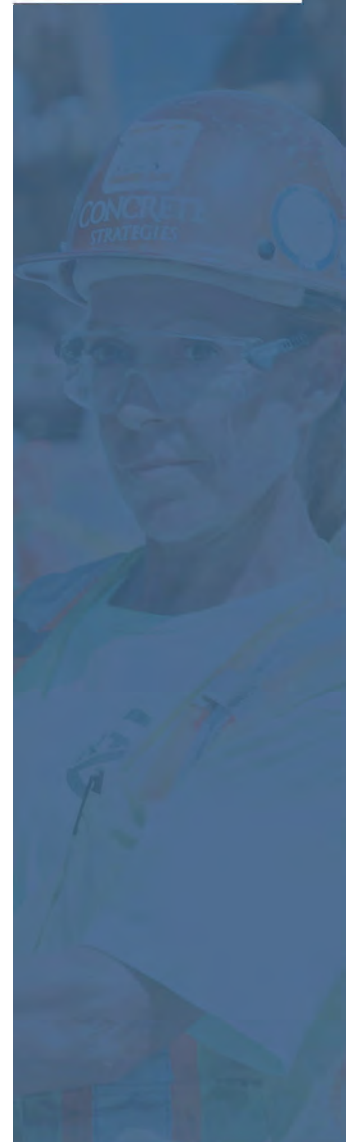
- Construction Method – combination of open-cut excavation and tunneling
 - 40-ft x 20-ft shafts for tunneled segments
- Equipment
 - Typical heavy construction machinery may include generators, bypass pumps, backhoes, skid loaders, dump trucks, etc.

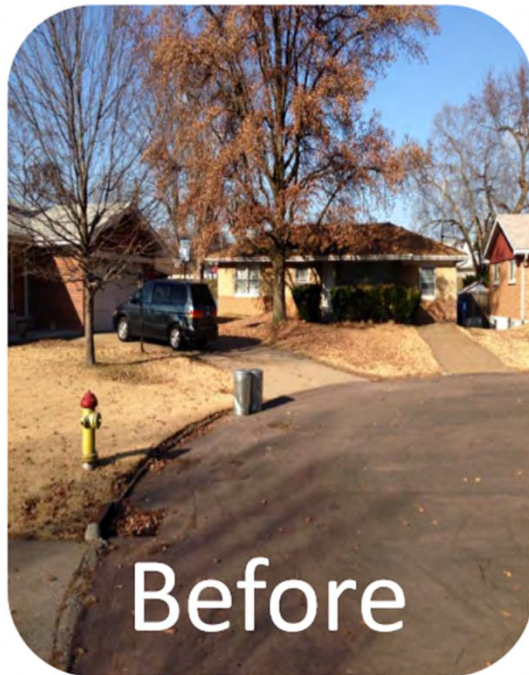


What Can Residents Expect?

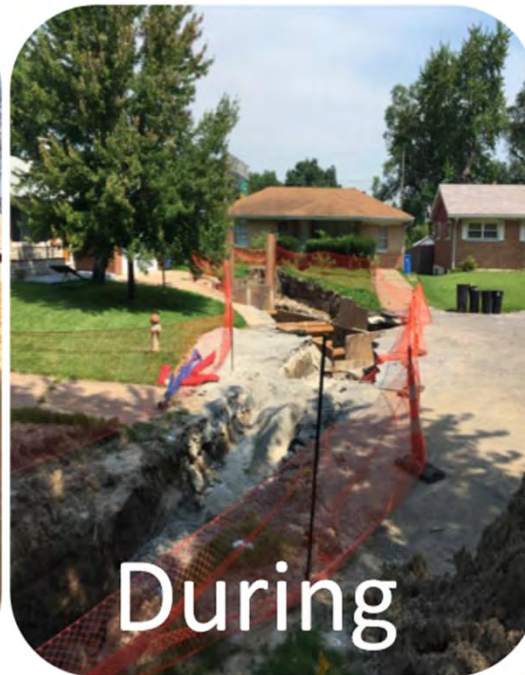


- Easements for access to private property
- Anticipated road closures/traffic impact
- Anticipated access issues (residential/commercial)





Before



During

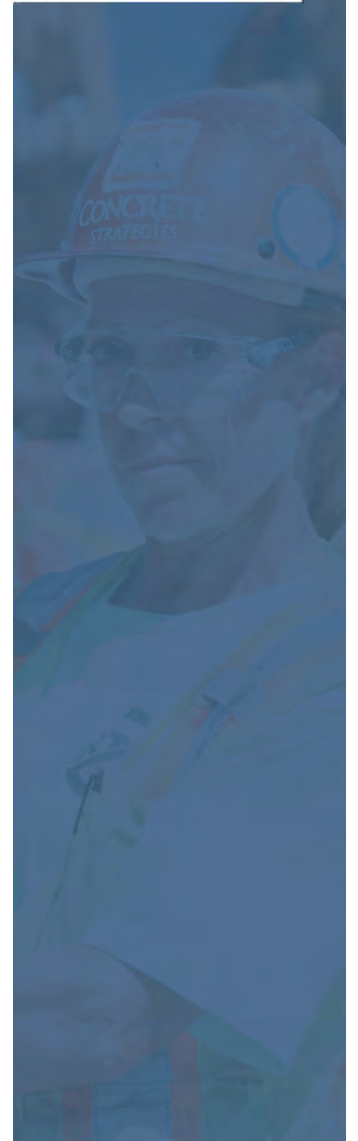


After

Tentative Construction Schedule



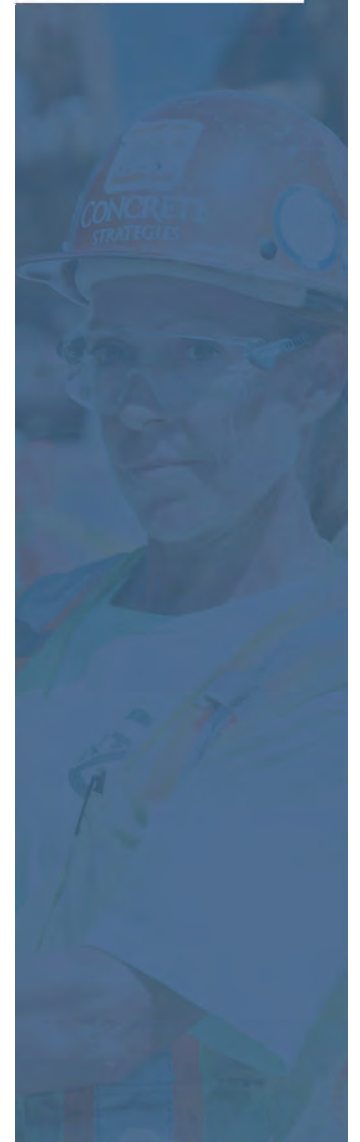
- Easement Acquisition – Fall 2021
- Design Completion – Early 2022
- Estimated start date – Summer 2022
- Estimated duration – 24 Months



FAQs



- Q1: Will there be any disruption to sewer service or any other utilities?
- Q2: What will the neighborhood look like when construction is finished?
- Q3: Will residents lose access to their homes or businesses during construction?
- Q4: Will the Contractor keep the site and driving areas free of debris and clutter?



Questions?

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MSD Project Manager

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A recording of today's meeting will be
available at: MSDprojectclear.org/ww2-3

