

Upper Mattese Trunk Sanitary Relief (12249) Virtual Town Hall

May 10, 2022

Today's Roadmap

- Technology Overview and Ground Rules
- Overview of MSDPC
- 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 posed 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)

Upper Mattese Trunk Sanitary Relief (12249)

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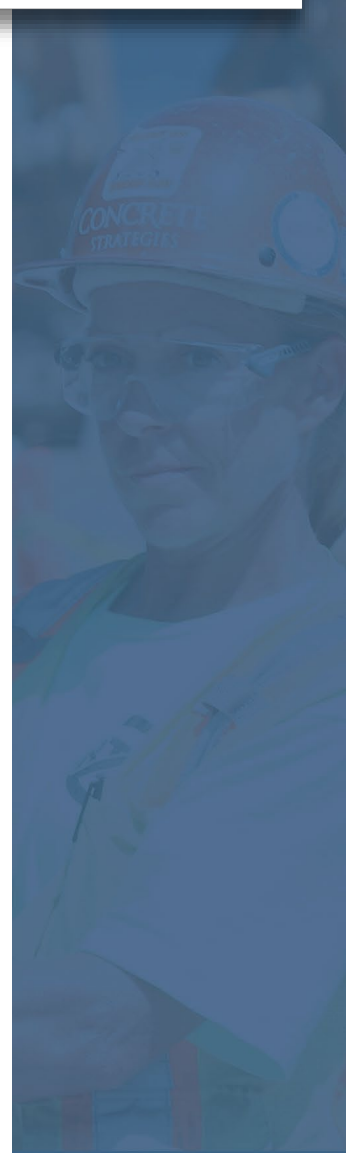
sknight@cmtengr.com



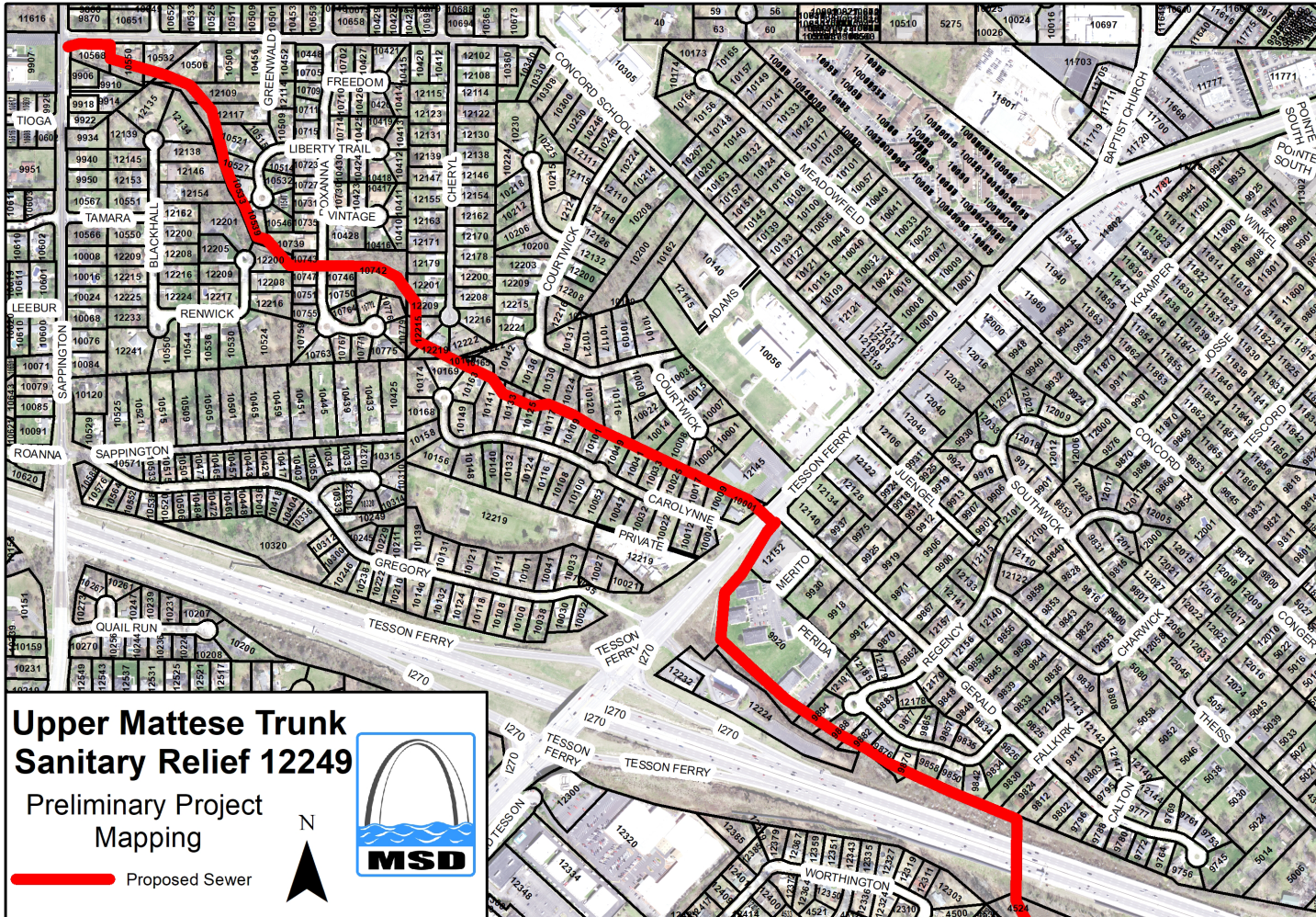
Project Overview



- Origin of Project:
 - Improvement of local water quality by providing additional capacity and mitigating overflow in upstream sewers.
- Project Goal
 - Reduce building backups and sewer surcharging.
 - Increase size of wastewater pipes.
- Benefits
 - Fewer building backups and sufficient capacity during wet weather events.



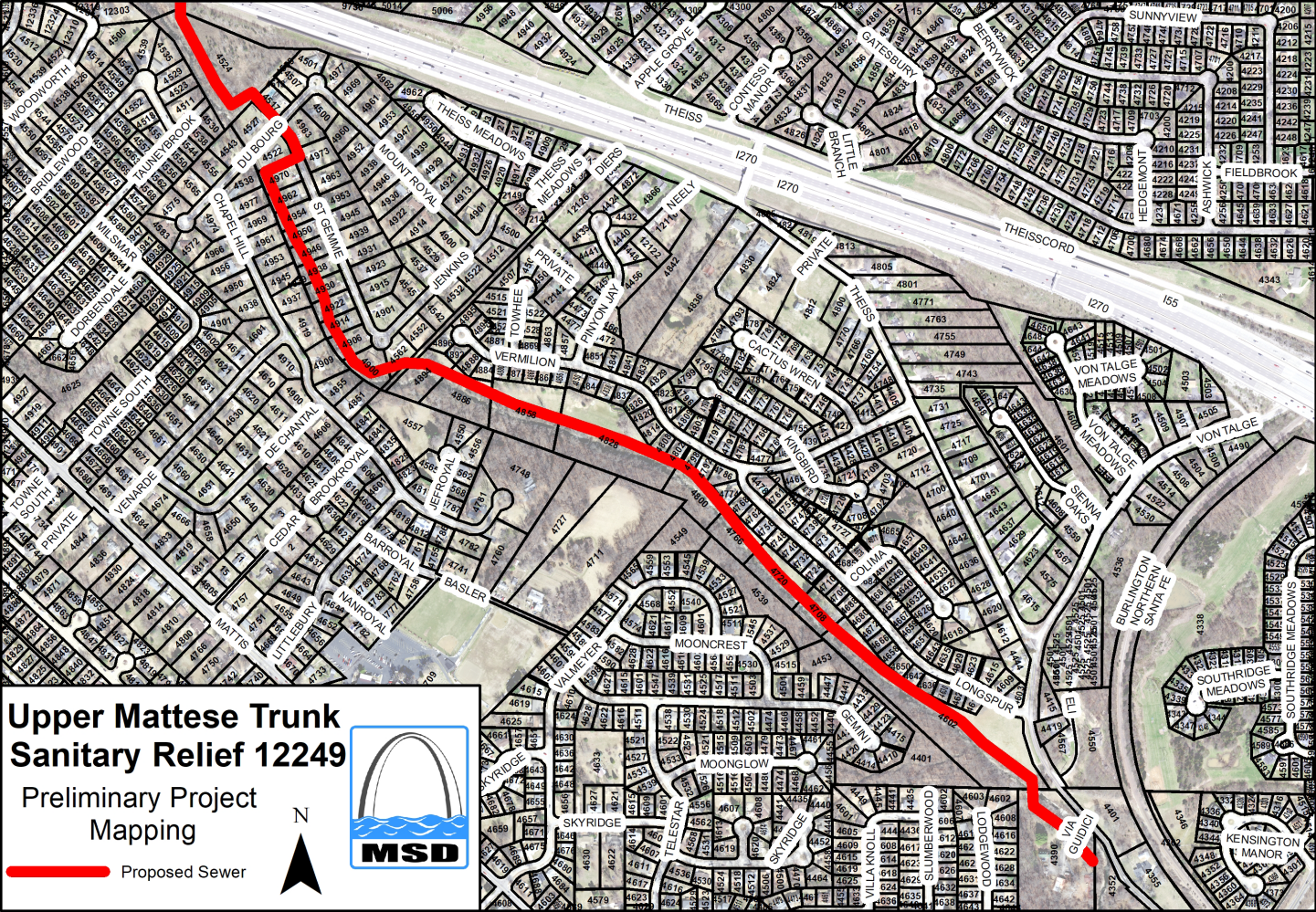
PROJECT MAP – North Portion



PROJECT MAP – South Portion

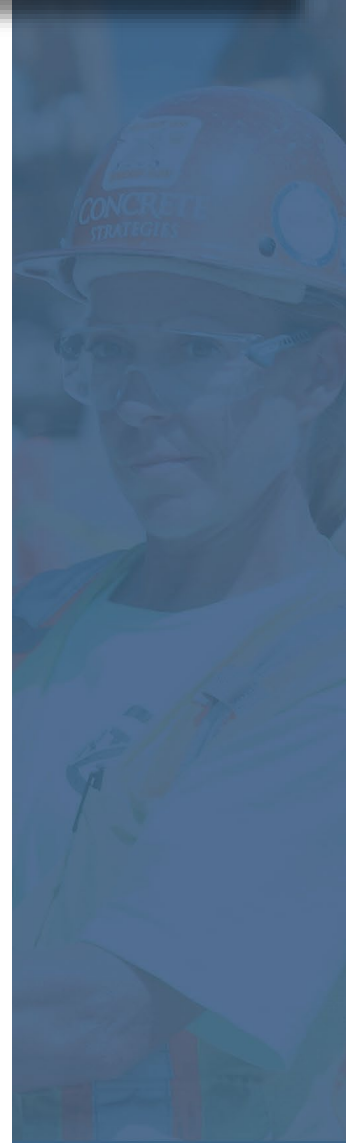


wastewater + stormwater



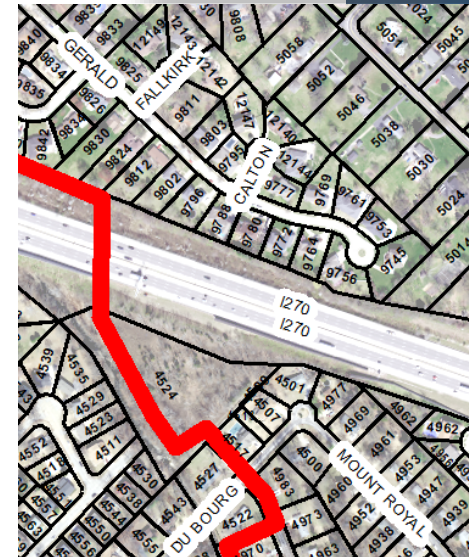
Project Facts

- New Sewer:
 - 14,800 feet of wastewater sewer
 - 8" to 36" Diameter
- Old sewer:
 - Abandonment and fill of 10,570 feet of wastewater sewer
 - 15" to 30" Diameter
- Private Lateral Relocations and Reconnections
 - Approximately 6 relocations and 46 reconnections
- Creek bank restoration
 - Gabion walls, Heavy stone revetment, and vegetated earthen swales
 - Only in areas that are impacted by construction



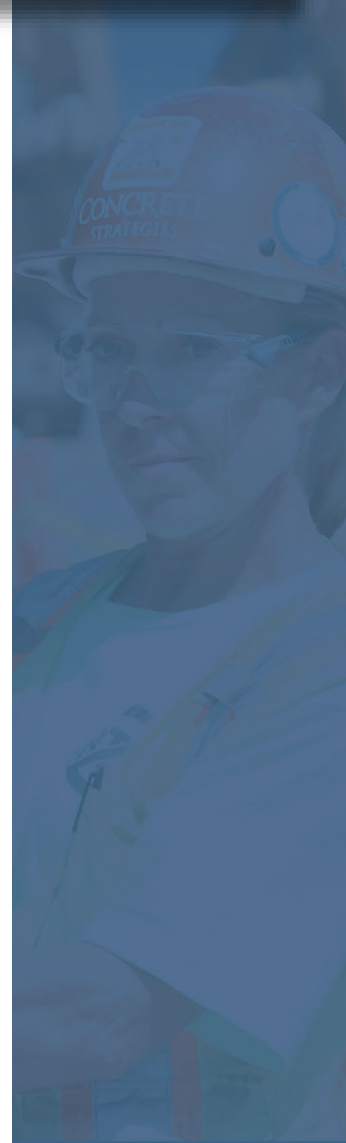
How Will it be Built?

- Construction Method
 - Open-cut for majority of project
 - Tunneling locations
 - Under Interstate 270
 - Under Tesson Ferry Road
- Equipment Anticipated
 - Backhoe used for majority of open-cut installation
 - Flat bed trucks delivering pipe and materials
 - Dump trucks delivering rock
 - Bypass pumps and hoses
 - Boring & jacking for tunneling



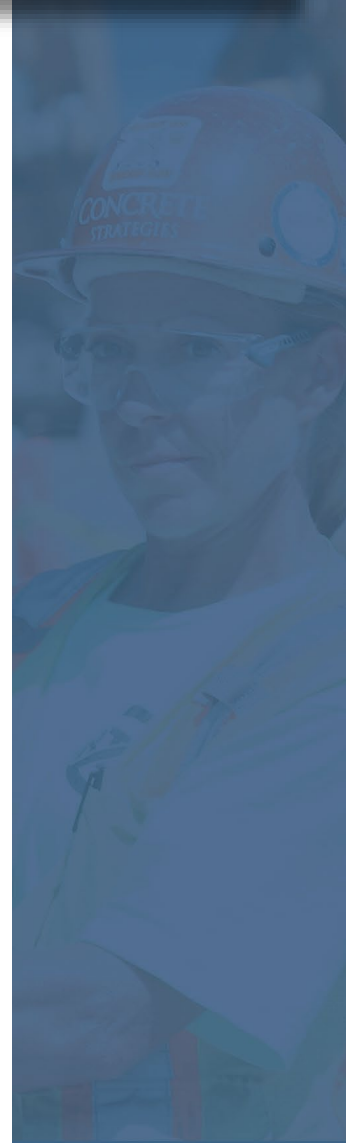
What can residents expect?

- Easements for access to private property
- Construction noise during normal business hours
- Minor traffic implications when crossing streets (traffic control will be provided)
 - St. Gemme Lane
 - Du Bourg Lane
 - Roxanna Drive



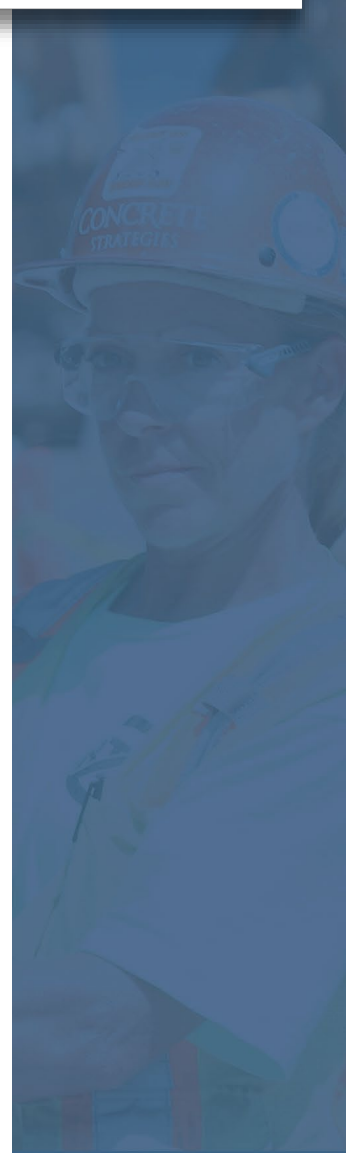
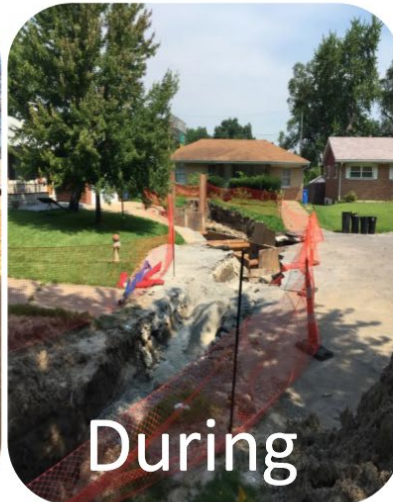
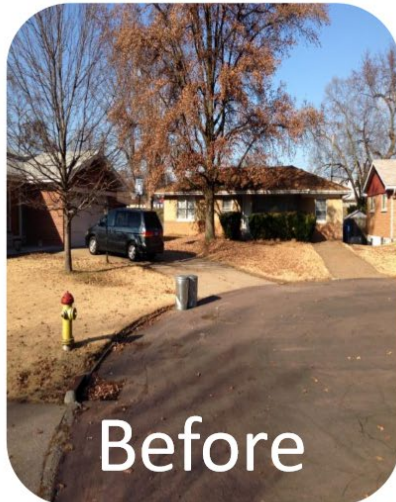
What can residents expect?

- Above ground bypass pumping stations will be occurring throughout the project
- Lateral reconnections may disrupt service for residents temporarily
- After construction, all property will be repaired to the same or better condition as prior to construction
- Removal of select trees and presence on property during the day



What will it look like when it's done?

- Trenches backfilled soon after pipe is installed
- Roadway and sidewalk restoration
- Private property restoration per Easement agreement

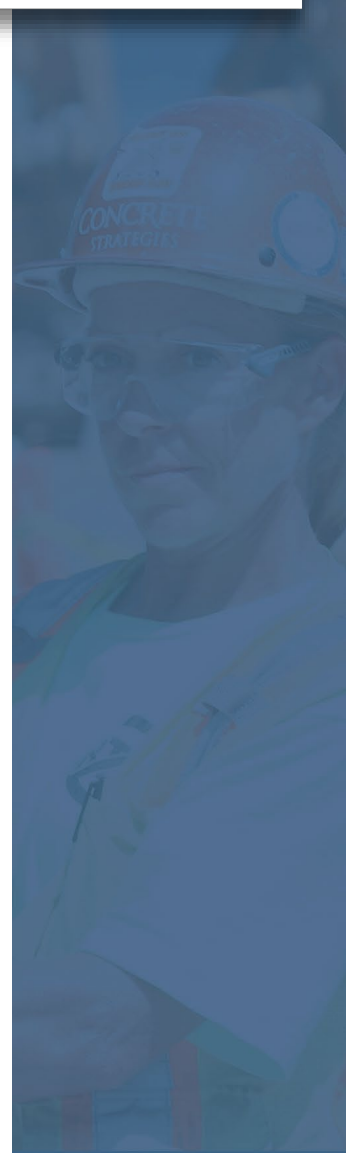


Tentative Construction Schedule



- Easement acquisition:
 - July 2022-January 2024
- Design completion:
 - Summer 2022
- Estimated start date
 - Spring 2024
- Estimated duration:
 - Approximately 3 years

*Anticipated construction start date is subject to change.
MSD will notify residents before beginning construction.*



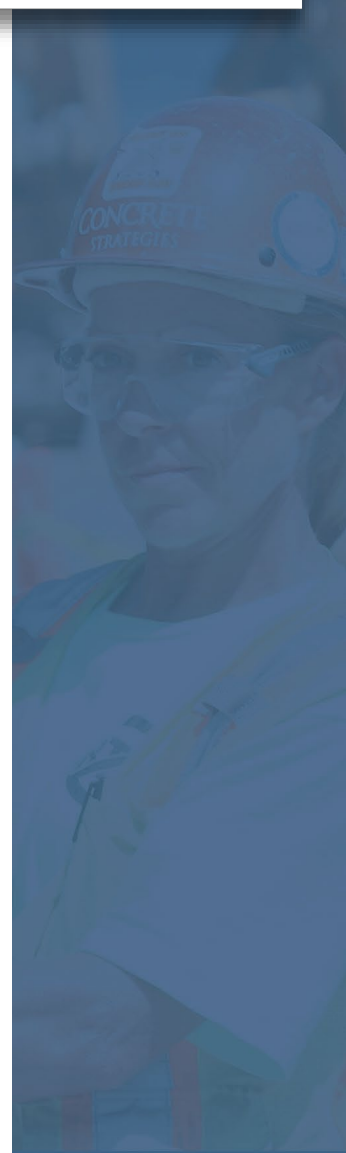
FAQs

Q1: Will construction disrupt sewer service or other utility services?

A1: The Contractor may request that residents limit water use when reconnecting a private lateral. Homeowners will be notified in advance. MSD does not anticipate other utility service disruptions during the project.

Q2: Will trees be removed as part of the project?

A2: Trees may need to be removed to construct parts of this project. MSD makes every attempt to avoid this if possible. If a tree needs to be removed that is not located in an existing easement, the property owner will be compensated for the removal through the easement acquisition process.



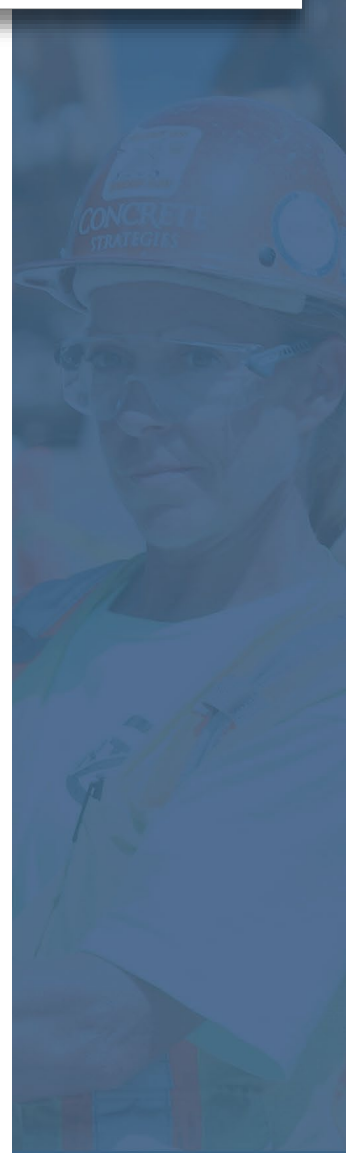
FAQs

Q3: What will the construction site look like when it is finished?

A3: MSD instructs the Contractor to restore affected areas to the same or better conditions than before the project. During the easement acquisition process, an MSD Right of Way Agent will work with property owners to discuss restoration on their property.

Q4: Will driveways be blocked during construction?

A4: There may be a few property owners that experience driveway access restrictions for a short period of time. Property owners will be notified in advance. In general, this project occurs mostly in backyards and should not impact a significant number of driveways.



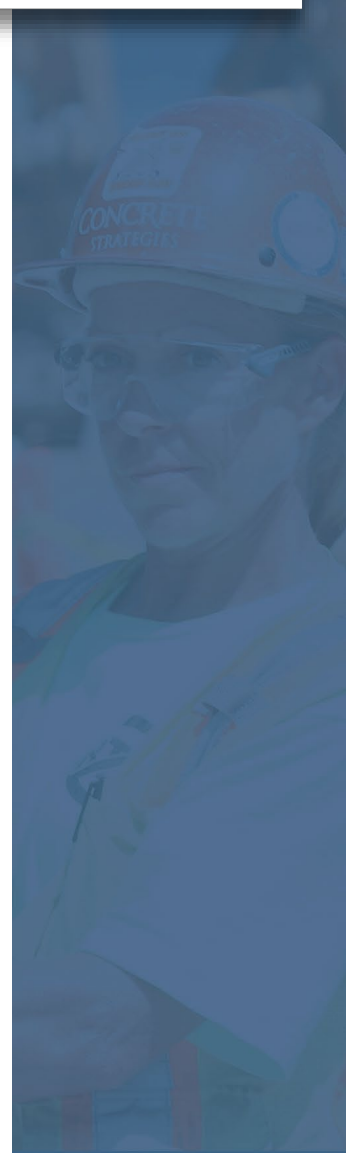
FAQs

Q5: Will the Contractor keep the construction site clean and clear of debris?

A5: MSD instructs the Contractor to keep the site reasonably clean and clear of debris. There will be an MSD inspector on site every day during construction.

Q6: Did MSD investigate alternatives to this project?

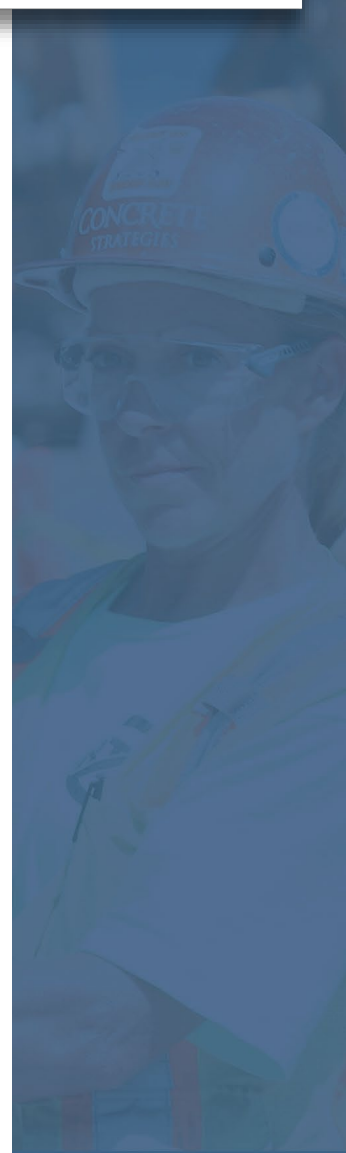
A6: MSD investigated numerous alternatives to this project, and it was decided that this was the best balance between cost effectiveness, reducing property owner impacts, and meeting the goals of the project.



FAQs

Q7: When will you be in my backyard and for how long?

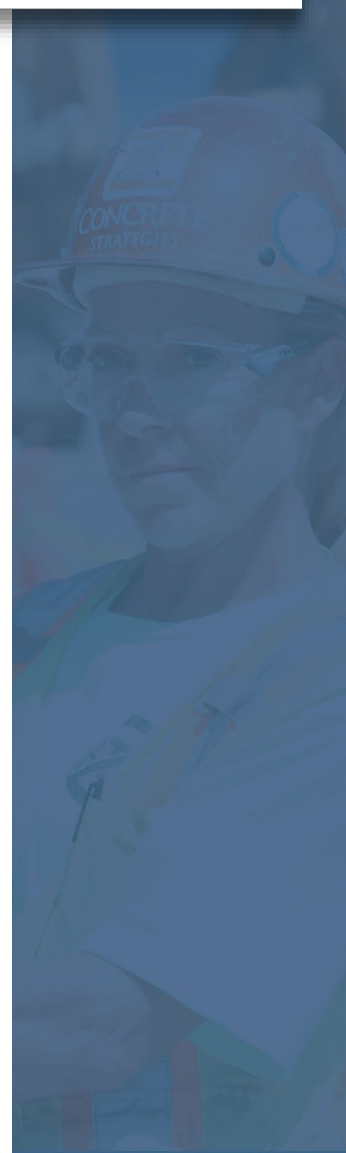
A7: Once the Contractor is chosen for the job, they will set up a neighborhood meeting where property owners can meet them and the MSD Construction Inspector. This meeting will be a great time to discuss schedule. There will also be a requirement for the Contractor to notify homeowners 14 days prior to accessing their property.



FAQs

Q8: We want an open and transparent process. Will the work cause floodplain changes?

A8: This meeting and a future meeting with the Contractor are designed to make the process as transparent as possible. The work should not cause any changes to the floodplain, as it will all take place below grade and the site will be restored to previous conditions.



Questions?

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