

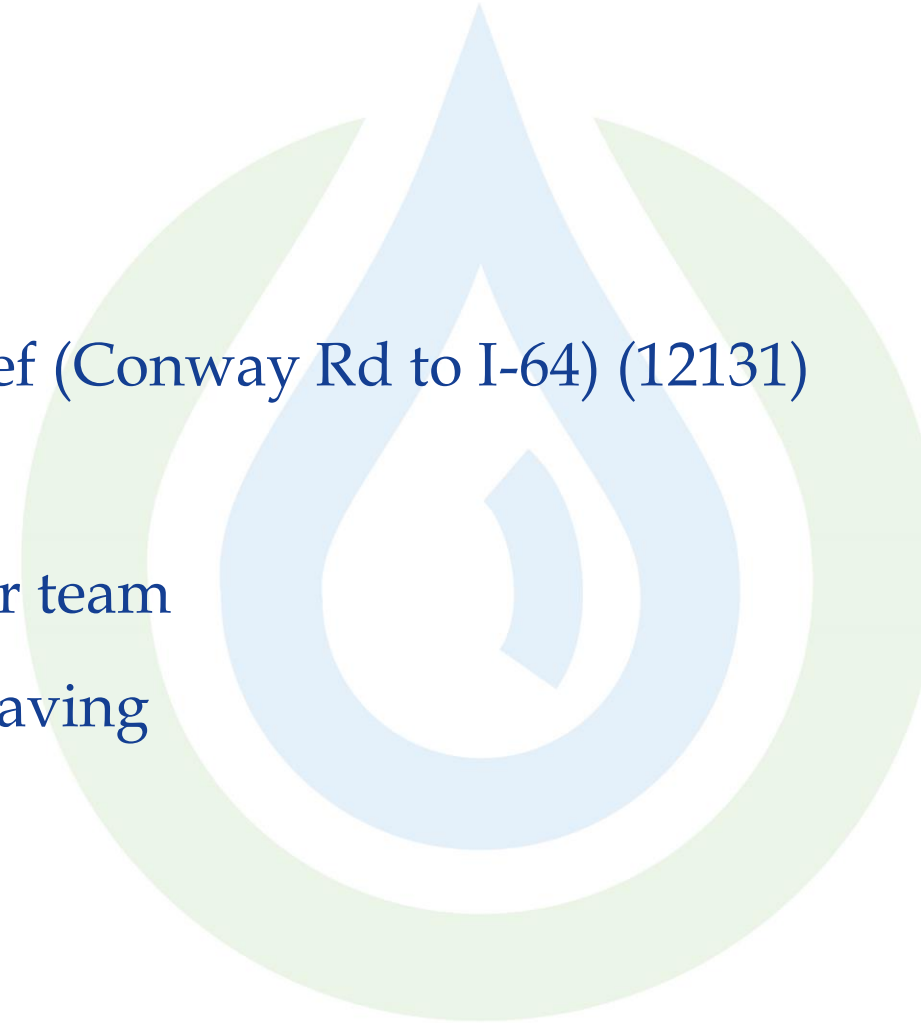


Project Clear Public Meeting
Conway Village Sanitary Relief
(Conway Rd to I-64) (Project Number 12131)
04/17/2018



Today's Agenda

- 🔹 Welcome and please sign in
- 🔹 MSD Mission and Overview
- 🔹 MSD Project Clear
- 🔹 Conway Village Sanitary Relief (Conway Rd to I-64) (12131)
- 🔹 Questions and answers
- 🔹 One-on-one meetings with our team
- 🔹 Survey to complete prior to leaving



Introductions

- ④ Jeff Meyer – MSD, Team Leader
 - ④ Jared Barr – MSD, Project Manager
 - ④ Stuart Haw – Amec Foster Wheeler, Engineer
 - ④ Maria King – Amec Foster Wheeler, Engineer
 - ④ Jennifer Schneider – Amec Foster Wheeler, Engineer
 - ④ Todd Williams – M3 Engineering Group, Engineer
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- A large, stylized graphic of a water drop is positioned on the right side of the slide. The drop is light blue and is surrounded by several concentric, semi-transparent circles in shades of light green and light blue, creating a ripple effect.

MSD Mission

Protect the public's health and the natural environment through effective wastewater and stormwater management strategies.

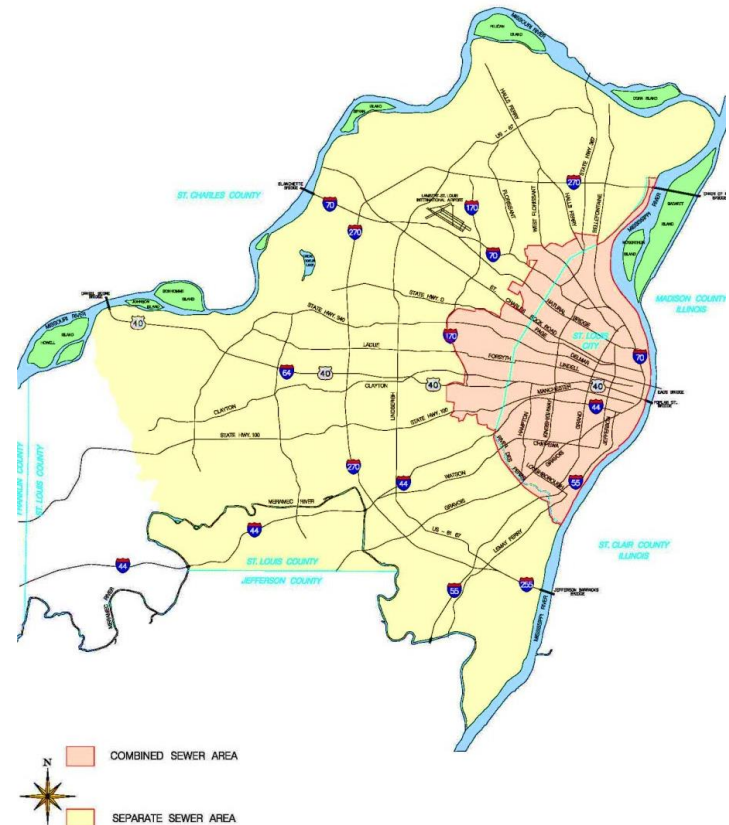
MSD System Overview

- ④ 4th largest sewer system in US
- ④ 525 square mile service area
- ④ 1,300,000 customers
- ④ Two utilities: wastewater and stormwater



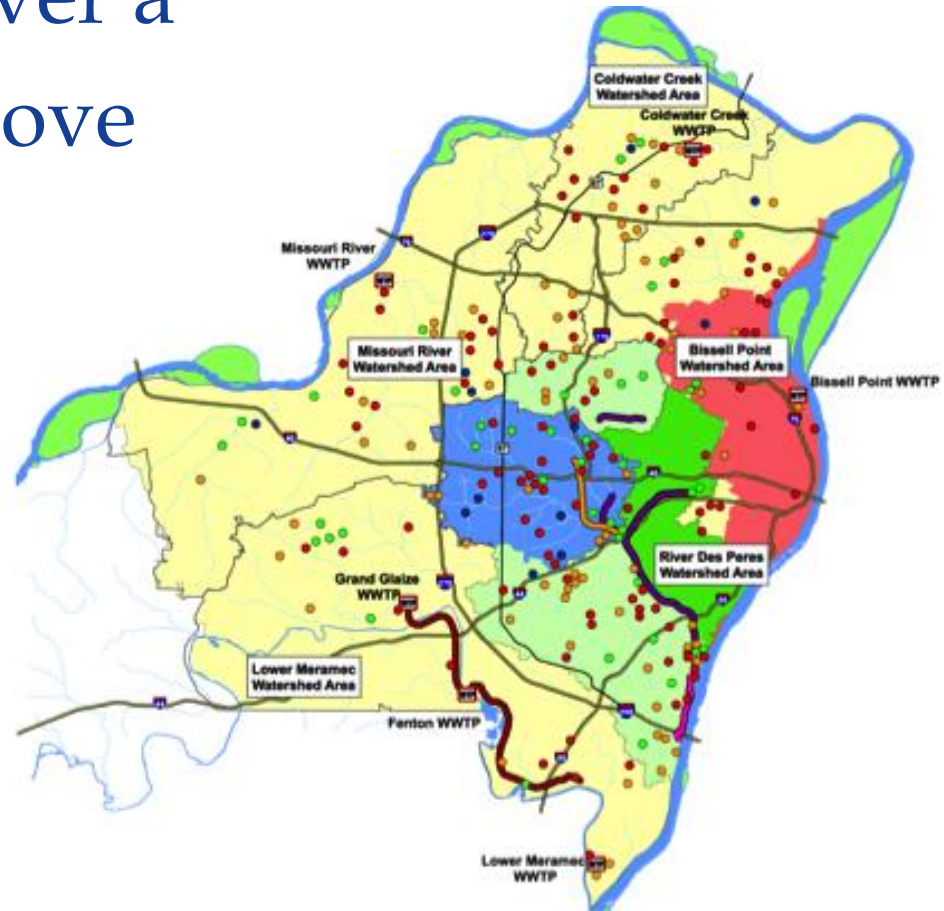
MSD Details

- 90 municipalities served
- 4,744 miles of wastewater sewer
- 1,806 miles of combined sewers
- 3,028 miles of stormwater sewers
- 7 treatment plants
- 356 million gallons/day wastewater treated



MSD Project Clear (wastewater only)

Billions invested over a generation to improve water quality in St. Louis... and expect billions more.





project
clear



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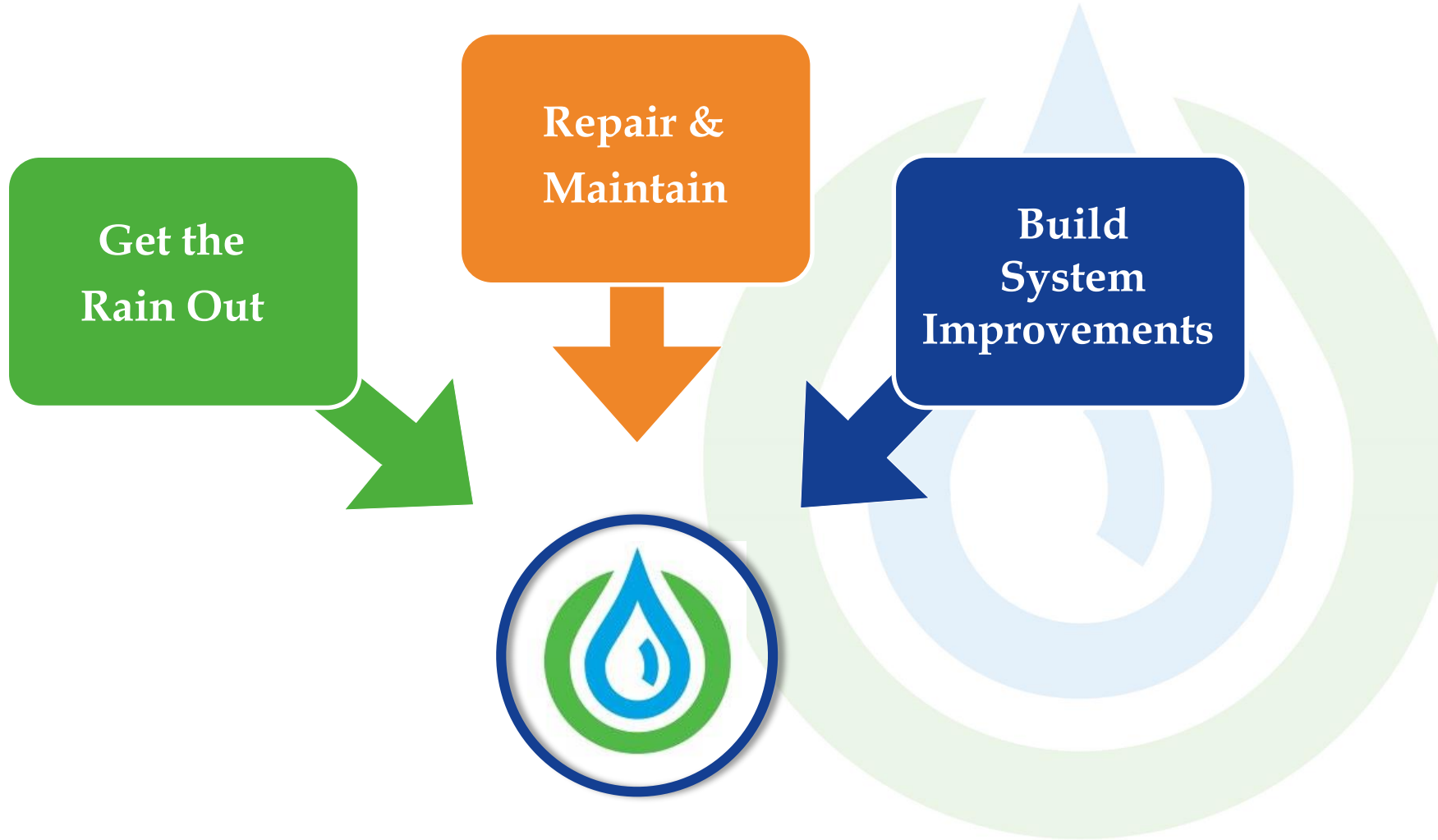
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3 Focus Areas for Project Clear



Get the Rain Out

- 🌊 Stormwater Disconnections
- 🌊 Rainscaping*
- 🌊 Citysheds*
- 🌊 Combined Sewer Separations*

Repair & Maintain

- 🌊 System Maintenance
- 🌊 System Inspection
- 🌊 System Rehabilitation and Replacement
- 🌊 Fats, Oil and Grease Control Program
- 🌊 Emergency Response

Build System Improvements

- 🌊 Tunnels
- 🌊 Storage Tanks
- 🌊 Relief Sewers
- 🌊 High-Rate Treatment*

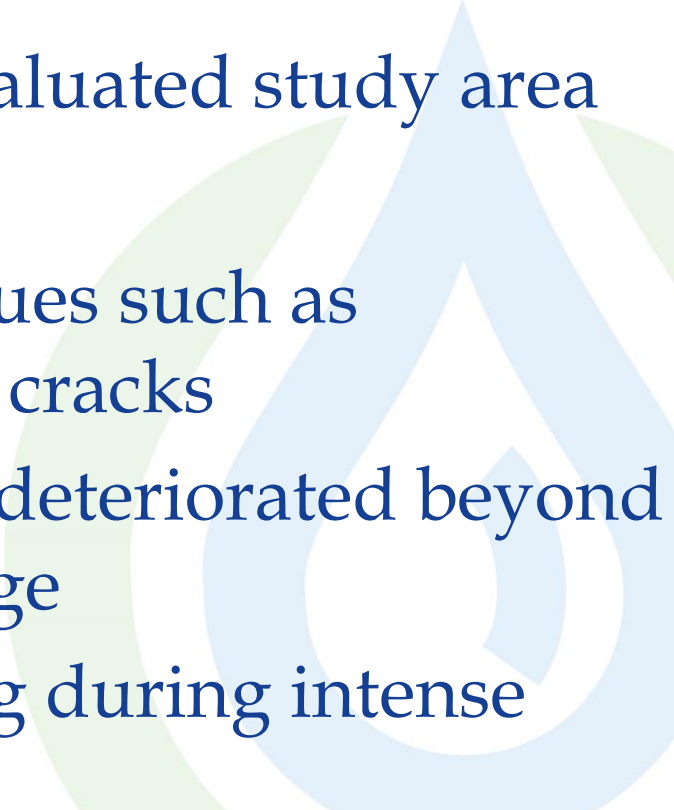
*Combined sewer system only activities

Conway Village Sanitary Relief (Conway Rd to I-64)(12131)

- 🔹 Origin of Project
- 🔹 Goals
- 🔹 Project Overview
- 🔹 Map
- 🔹 Schedule
- 🔹 What You Can Expect



Origin of Project

- 💧 Complaints
 - 💧 MSD Planning Group evaluated study area
 - 💧 Problems Identified
 - Leaky pipes due to issues such as open/offset joints and cracks
 - Public sewer pipe has deteriorated beyond rehabilitation due to age
 - Sewers are surcharging during intense rainfall events
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Project Goals

This project will:

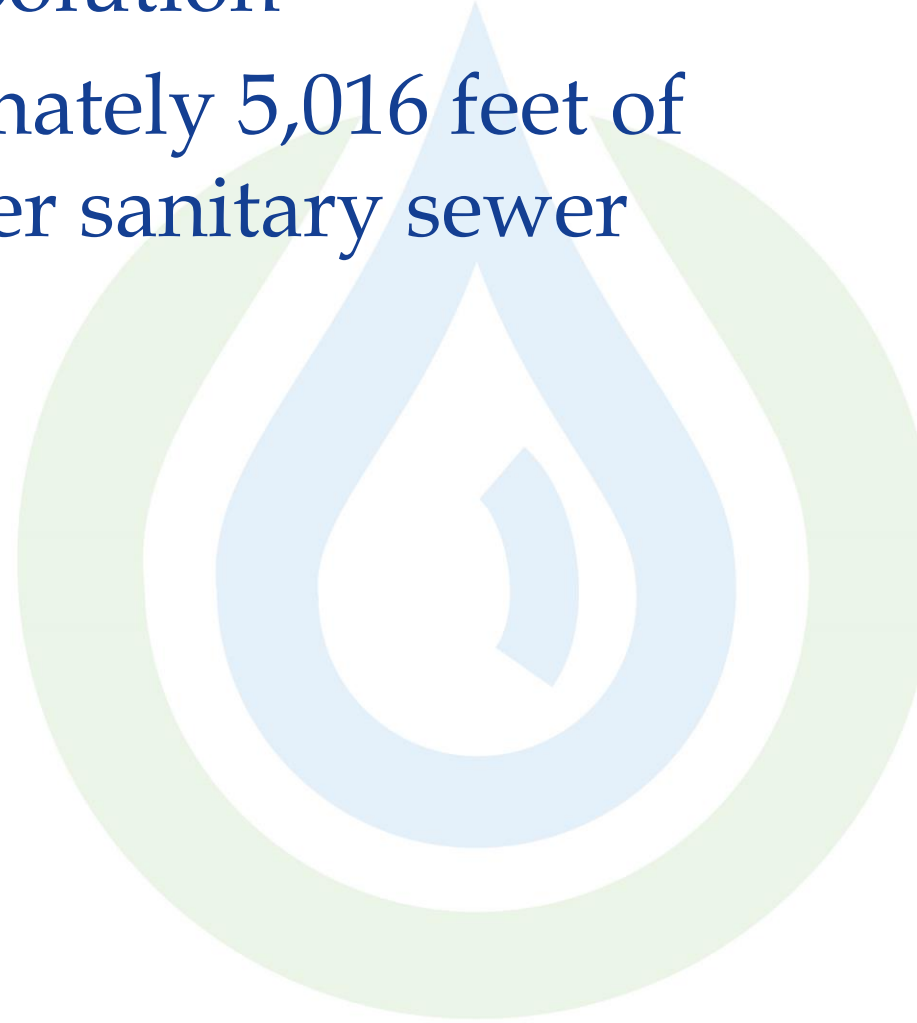
1. Reduce basement backups and wastewater sewer overflows;
2. Increase system capacity.



Project Overview

Sewer Relief Design Solution

- Construct approximately 5,016 feet of 8 to 15 inch diameter sanitary sewer



Project Overview

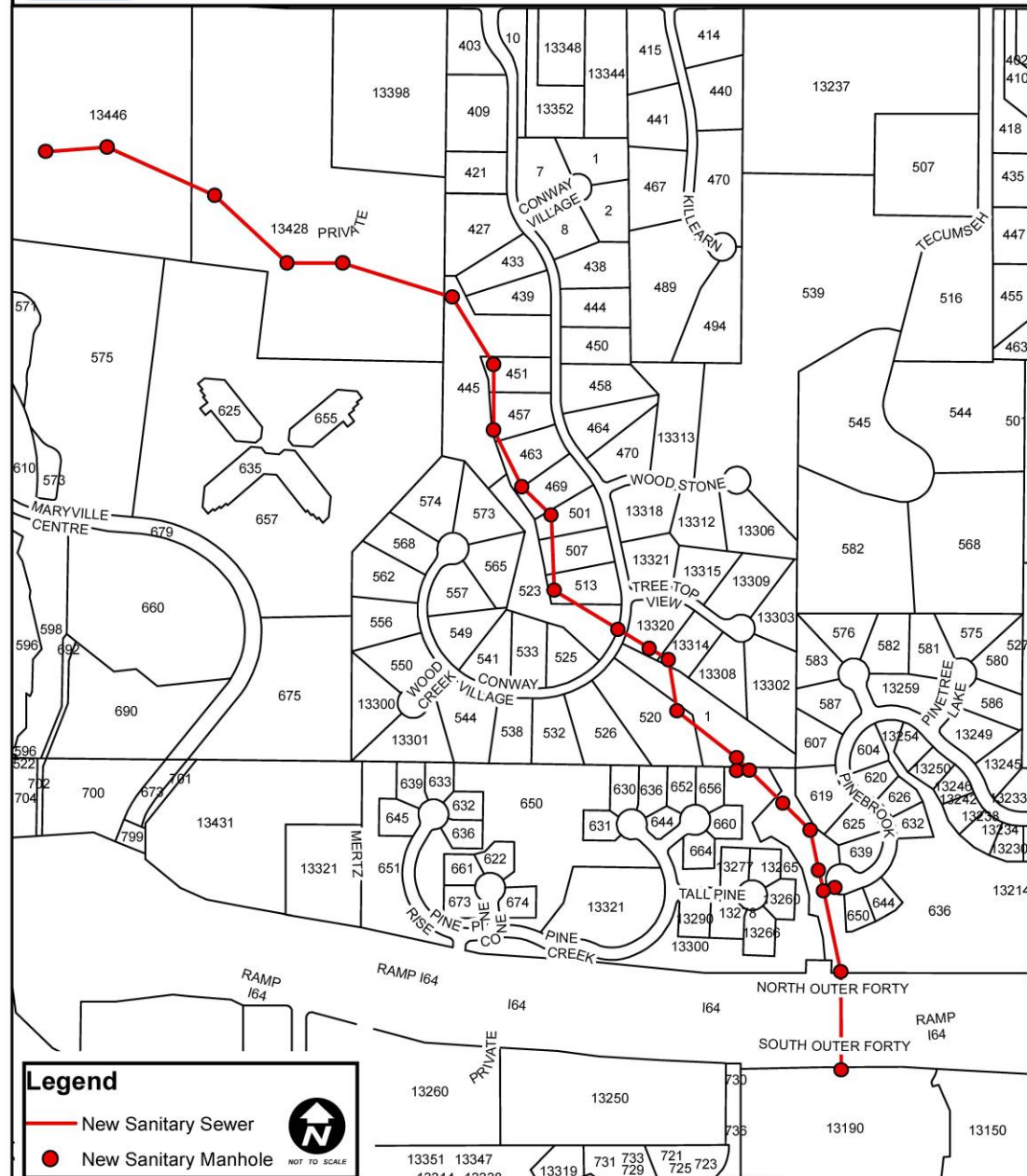
Easements

- New easements required: 15
- Permanent Easements
 - Gives MSD the right to construct and maintain
 - Includes associated working room for staging & construction
 - Trees within the easement will likely be taken
- Temporary Construction Easements
 - Gives MSD the right to excavate and/or remove trees
 - Expires after construction is complete
- ROW agent will make contact if an easement is needed

Project Map



Conway Village Sanitary Relief (Conway Rd to I-64) (12131)



Anticipated Schedule

Design Phase

- 🔹 Complete Design – Summer 2018

ROW Phase

- 🔹 Complete Easement Acquisition – Spring 2019

Construction Phase

- 🔹 Begin Construction – Winter 2019
- 🔹 Work will be completed one section (reach) at a time.
- 🔹 Complete Duration – up to 24 months

Final restoration is subject to weather and season.

What to Expect: Wastewater Sewer Relief Construction

- 💧 Some temporary traffic disruption.
- 💧 Work trucks and crews in your neighborhood.
- 💧 Mobilize equipment and material prior to excavating
- 💧 Equipment staged in the right of way/TCE.
- 💧 You will receive information from the construction team before their work begins.



What to Expect: Wastewater Sewer Relief Construction

- 💧 Construction neighborhood meeting w/contractor
- 💧 Contractor will notify you 2 days prior to construction
- 💧 Trees in the project area will be removed prior to mobilizing
- 💧 50 to 100 feet of sewer pipe will be installed per day
- 💧 Restoration: sod/seed, pavement, fences, etc.



What to Expect: Wastewater Sewer Relief Construction

- 💧 Property owners should contact the MSD inspector with a problem (not the contractor)
- 💧 MSD Inspectors travel between several project sites, but should be on your site at least two times every day
- 💧 If you make a special agreement with the contractor, get it in writing and provide a copy to MSD so they can help if the contractor doesn't honor his agreement with you



Your Turn!

- 💧 We welcome your questions and feedback about MSD in general.
- 💧 General questions about the Conway Village Sanitary Relief (Conway Rd to I-64) (12131) project will be answered now.
- 💧 Specific property questions will be addressed in small break-out groups with our team.
- 💧 Please fill out our survey after the meeting.

Questions?



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