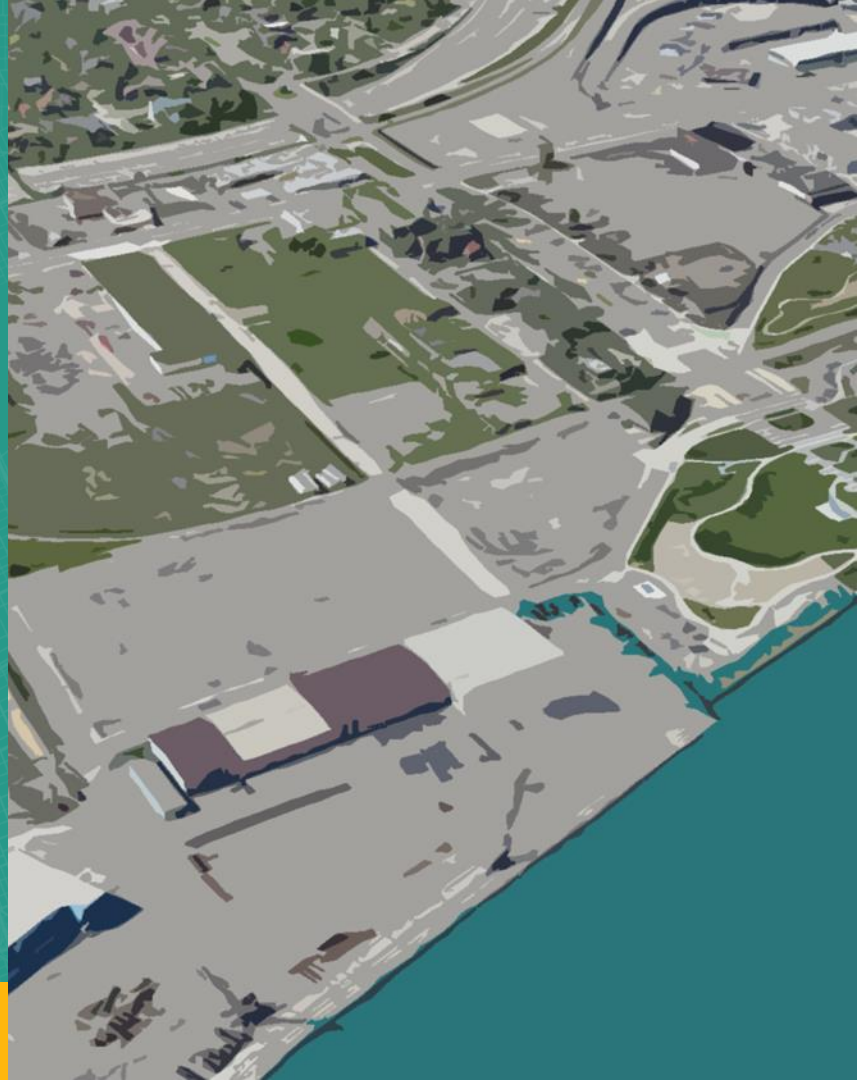


Sewer Improvements Near Riverside Park

April 28, 2025



**Water & Sewerage
Department**



Today's Presentation

- Introductions
- Overview of DWSD Water and Sewer System
- Combined Sewer Overflows
- Project Overview
- Construction
- Questions & Feedback

Project Team Introductions

Detroit Water and Sewerage Department

Bryan Peckinpaugh (Director of Public Affairs)

Sonali Patel (Public Affairs)

Lisa Wallick (Field Services Director)

Barry Brown II (Assistant Manager for Compliance Engineering)

Anna Timmis (Project Engineer)

Grayson Obey (Project Engineer)

OHM Advisors (Consultant)

Patrick Droze (Project Manager)

Katelyn Driscoll (Project Engineer)

Madison Merzlyakov (Communications)

Contractor

L. D'Agostini and Sons, Inc.

Overview of DWSD Water and Sewer Systems

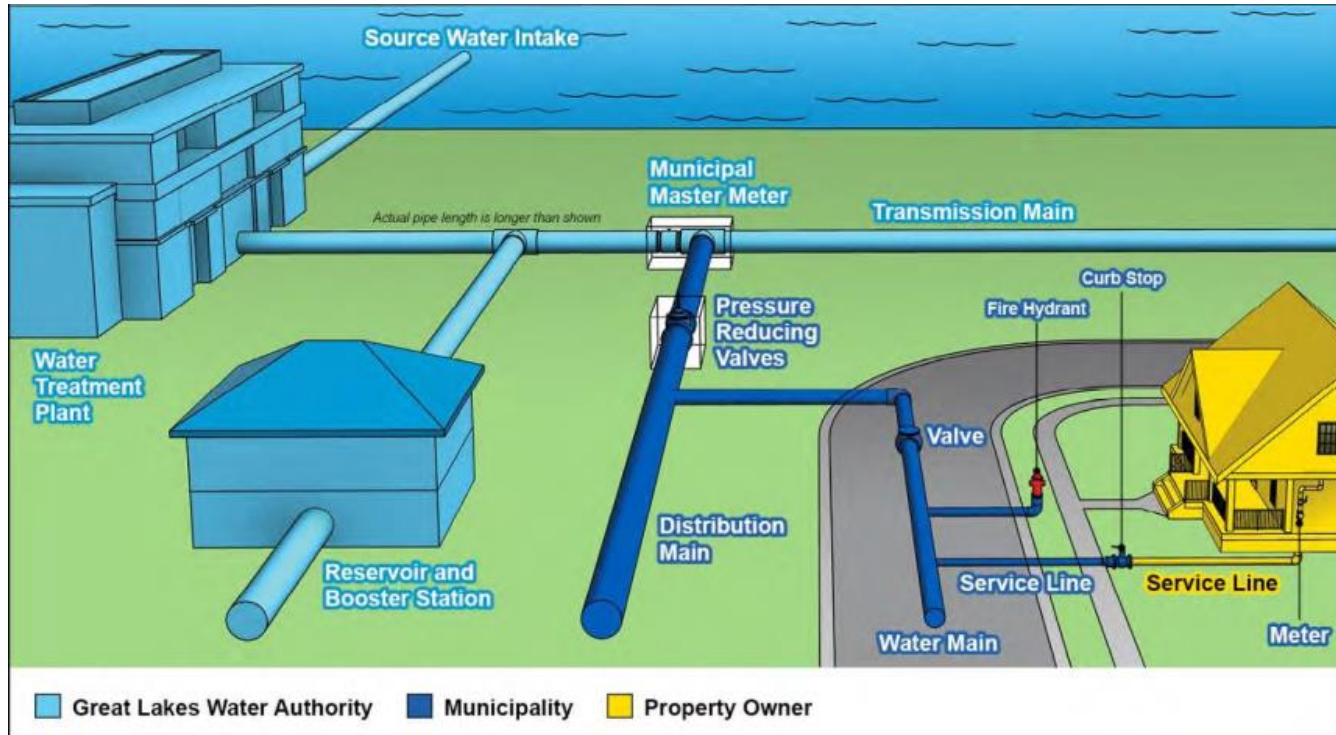


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Drinking Water System

The treated drinking water system delivers clean water from water treatment plants through the water mains to your property.



Sewer System



What is stormwater?

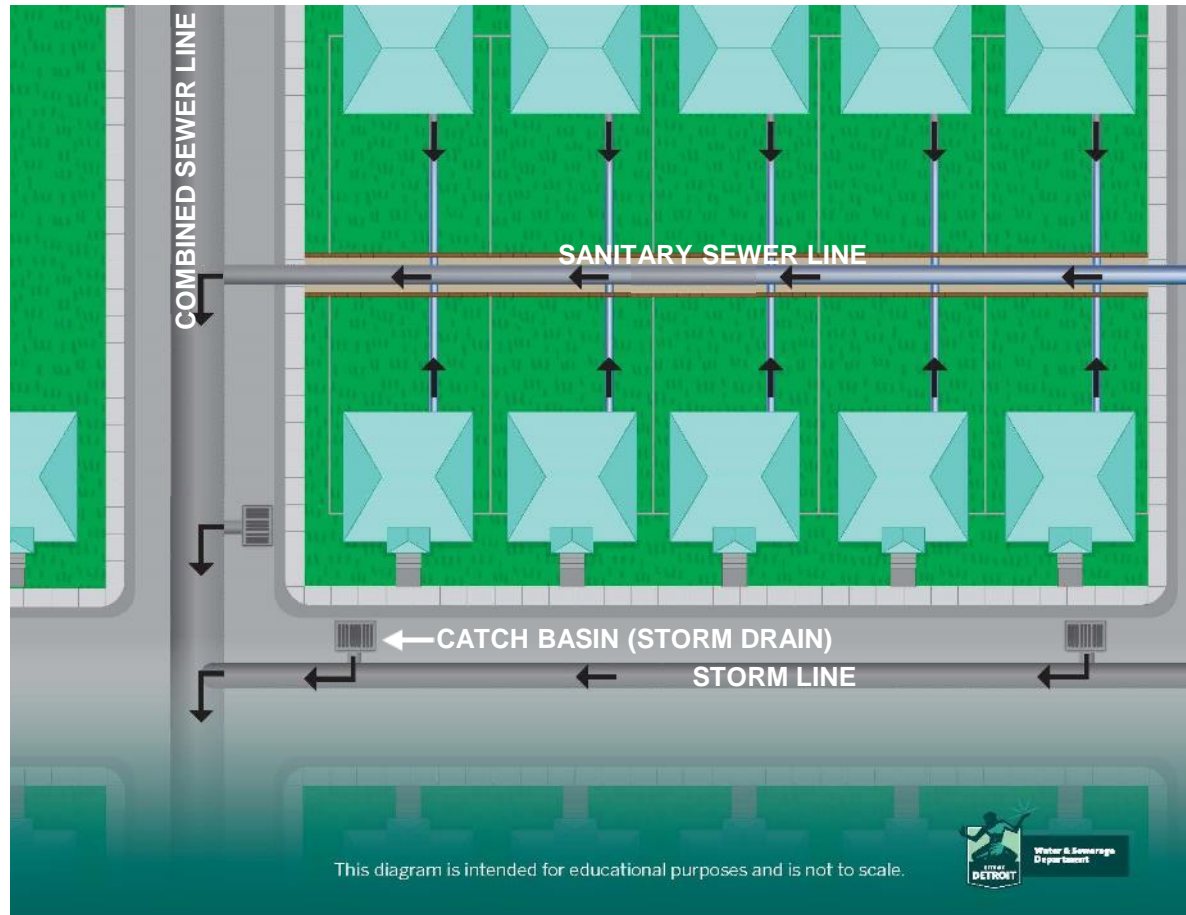
Rainfall and snowmelt flow from impervious/hard surfaces into the combined sewer system. Impervious surfaces include:

- Roofs
- Streets
- Sidewalks
- Driveways
- Parking lots



Combined Sewer System

- Combined sewage is stormwater and sanitary flows mixed together.
- Combined sewage is conveyed and treated at either nine wet weather facilities or at the GLWA Water Resource Recovery Facility.
- Flows exceeding sewer capacity discharge to the Detroit and Rouge Rivers via combined sewer outfalls.



Combined Sewer Overflows



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Combined Sewer Outfall (CSO)

A combined sewer outfall (CSO) is a location where the sewer will discharge into a body of water when the existing system is unable to maintain both the stormwater and sanitary waste during a large rain event.

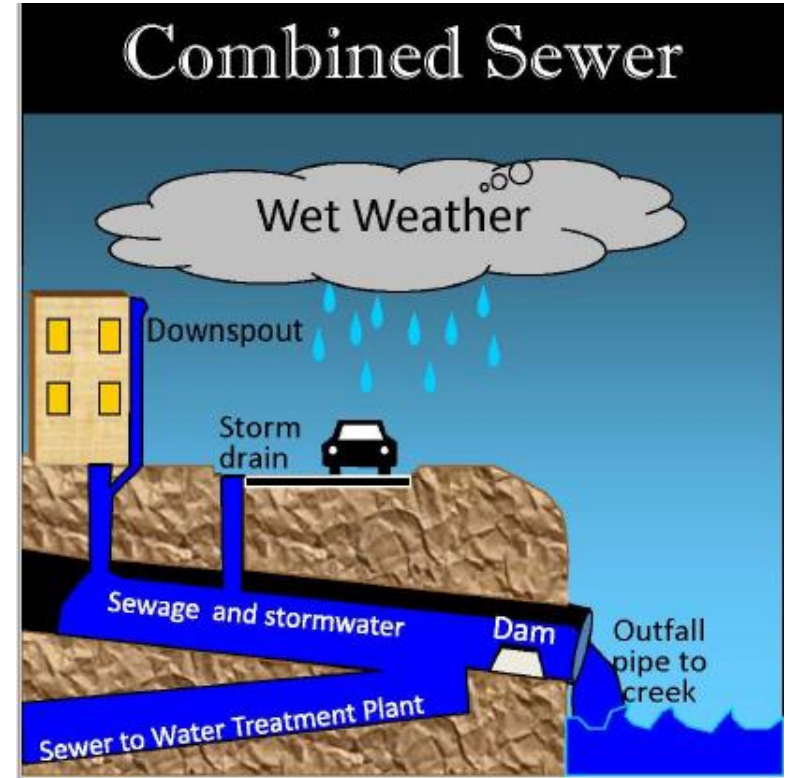
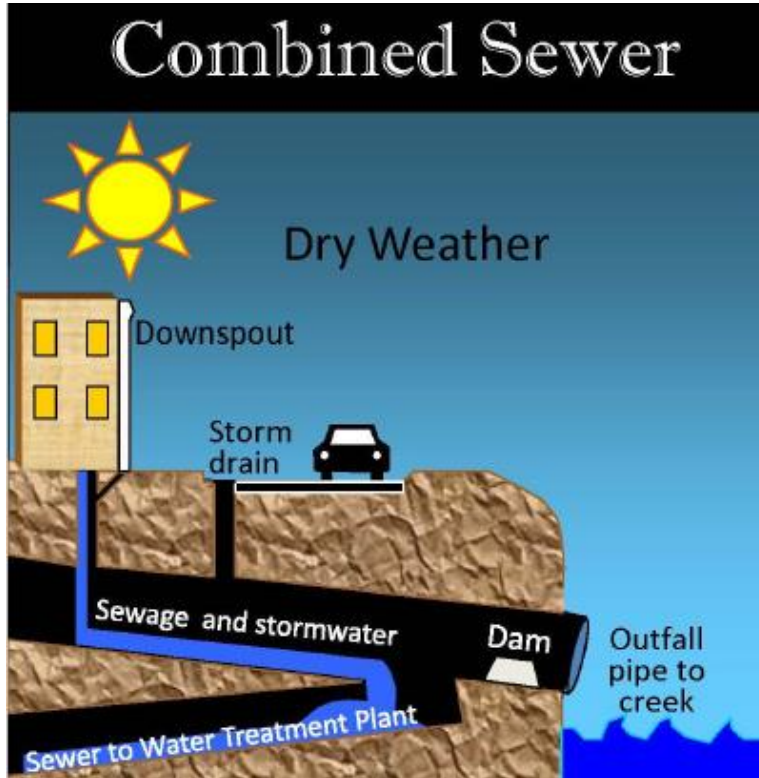
This results in the introduction of combined sewage into the water way.



CSO at Plymouth Road and the Rouge River

Combined Sewer System Capacity

The combined sewer system has a limited capacity: Intense wet weather can overrun capacity of the sewer system and treatment plant.



Federal Guidelines

Federal Clean Water Act of 1972 requires that no untreated sewage/storm water be discharged into the Detroit or Rouge Rivers



Detroit's History of Storm Water Drainage Improvements

- 1972 Clean Water Act Passed by EPA.
- 1975 City Charter authorizes DWSD to charge drainage rates.
- 1977 Detroit sued by the Federal Government for failure to comply with Clean Water Act - more than 20 billion gallons of untreated wastewater were dumped into Detroit River and Rouge River each year.
- 1977 Judge Feikens places wastewater treatment system in federal receivership.
- 1980-2012 Detroit spends \$1.5 billion building improvements to reduce illegal discharges.
- 2013 Detroit's federal discharge permit allowed a delay until 2022 of expenditures needed to build an additional \$1 billion in new storm water management.
- 2019 Detroit's federal discharge permit allowed a delay until 2037 to address all high priority outfalls.

Combined Sewer Overflows Near Riverside Park

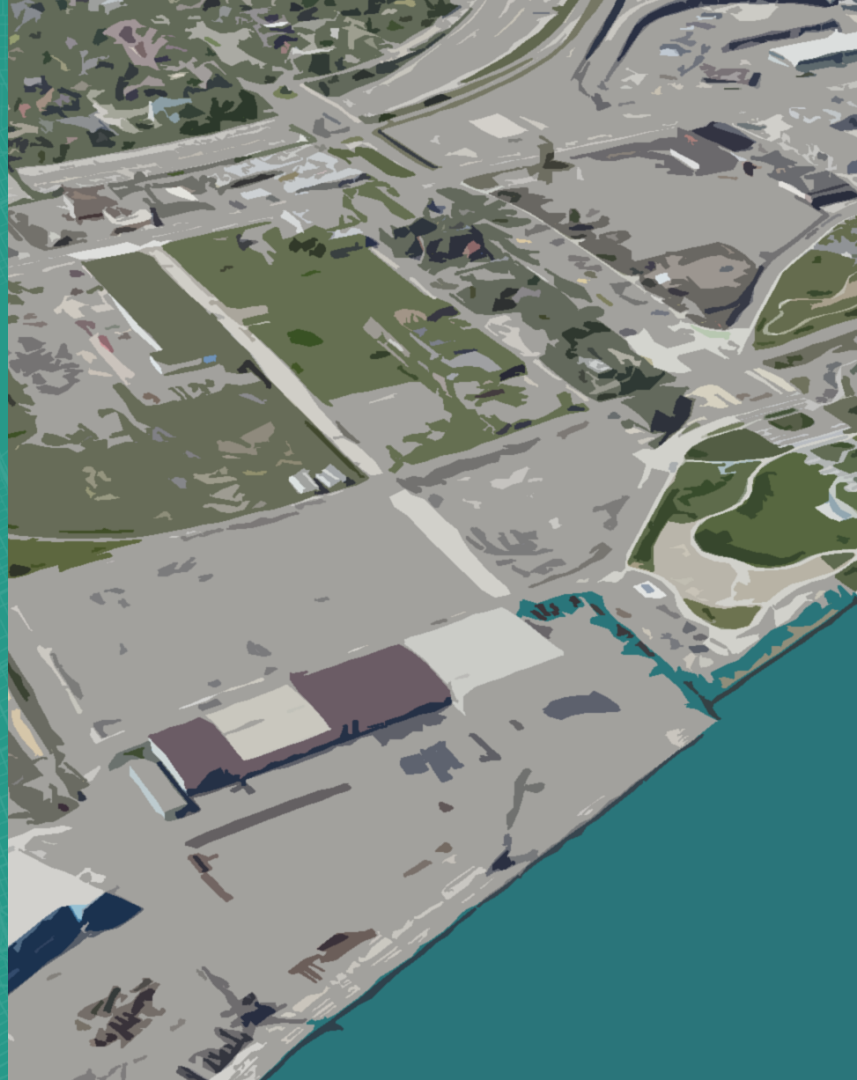
- Permit requires DWSD to address high-priority CSOs along the Detroit River by 2037
- There are 2 CSO locations near Riverside Park (B033 & B032)



Project Overview



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Project Goals

1. Reduce the occurrence of neighborhood flooding events
2. Significantly reduce CSO volume to the Detroit River

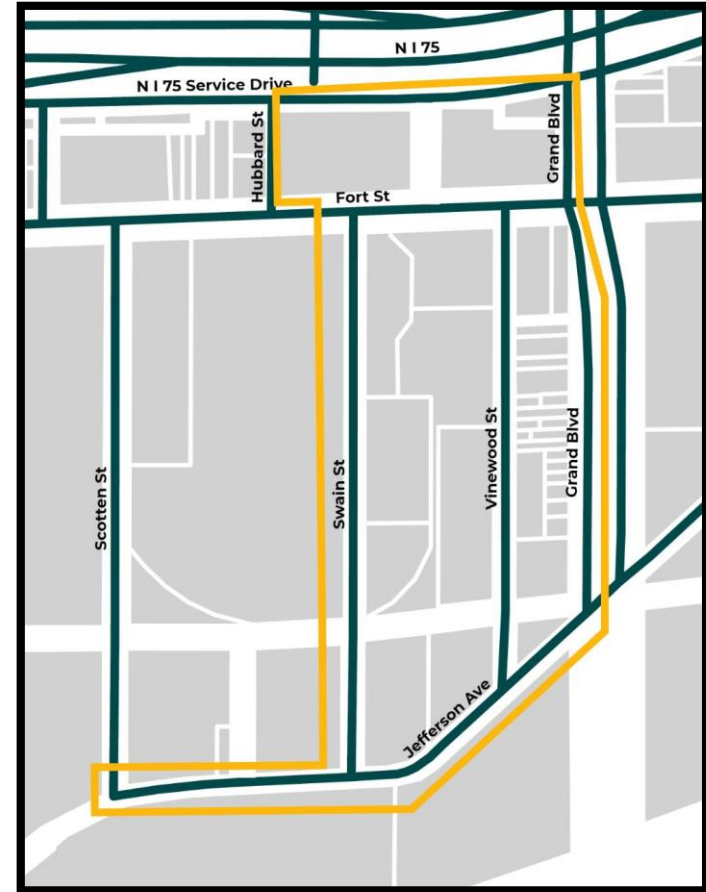
We do this by:

- **Redirecting** stormwater runoff from roadway, parking lots and downspout drainage (where possible)
- **Planning** storm infrastructure for future disconnections within the neighborhood (ex. downspouts)
- **Reducing** stormwater runoff where possible by utilizing green infrastructure to help filter and infiltrate water into the ground



Project Scope

- Installation of **new sanitary sewer system** within neighborhood streets.
- **Convert former combined sewers** to stormwater only system.
- **Eliminate CSO outfalls** at West Grand Boulevard and Swain Avenue so that only stormwater outfalls into the Detroit River.
- **Full restoration of impacted areas**
 - Existing roadways will be reconstructed with new concrete and asphalt.
 - Impacted lawns, driveways and sidewalks will be reconstructed.
 - Street trees impacted by construction will be replaced.



Benefits of the Project

- Reduces the potential for combined untreated sewage to enter the Detroit River
- Creates capacity within the combined sewer system
- Helps reduce the potential for future basement backups and street flooding
- Improves water quality of the Detroit River
- Surface infrastructure will be reconstructed (improved pavements and sidewalks)

Funding Through Regional Collaboration

- Funding administered by the State of Michigan for the purpose of offering assistance to communities for improving utility infrastructure (ex. water mains, sanitary and storm sewers).
- The City of Center Line has received the funding to improve their pump station and pump more flow to the GLWA sewer system.
- To ensure capacity in the GLWA Interceptor Sewer, Center Line is providing funding to DWSD to construct a designated sanitary sewer and reroute the existing stormwater directly to the Detroit River for the project area.

Timeline



Construction



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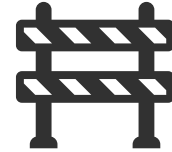
What to Expect During Construction



Construction brings noise, dirt and debris. DWSD contractors will work to minimize this wherever possible.



The project includes deep sewer which requires large trucks and heavy equipment.



Street and sidewalk closures will be set up to help keep the job site safe and organized.

Ways You Can Stay Informed

Project Updates

- E-mail messages to the community and posted on the project webpage
- Send name and email address to: dwsd-publicaffairs@detroitmi.gov
Subject line: **"Riverside Park"**

Construction Flyers

- Individualized project flyers will be distributed in advance of work on your street. Construction staff from DWSD and consultant engineer (OHM) will also be available to discuss issues on-site.

Progress Meetings

- Progress meetings may be held throughout construction to discuss progress, answer questions and address construction issues.

Feedback & Questions

- 1. What are your concerns regarding the implementation of this sewer improvement project?**
- 2. What other questions do you have?**

Use the chat or
raise your hand
to share!

Thank You

Questions?



313-880-2812



dwsd-publicaffairs@detroitmi.gov



www.detroitmi.gov/DWSD



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