

Far West Detroit
Stormwater Improvement Project

Spring 2023 Update

June 22, 2023



Water & Sewerage
Department



Agenda

- **Greetings and Introductions**
- **Water and Sewer Systems**
- **Year in Review**
- **Upcoming Summer Work**
- **Communication & Outreach**
- **Questions and Answers**



Greetings & Introductions



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Project Team

Detroit Water and Sewerage Department

Bryan Peckinpugh (Director of Public Affairs)
Sonali Patel (Public Affairs)
Lisa Wallick (Field Services Director)
Barry Brown (Assistant Manager)
Anna Timmis (Project Engineer)
Ian Tamm (Construction Inspector)

City of Detroit

Mona Ali (Dept. of Neighborhoods (DON))
Alexia Davis (DON - District 7)
Ladon Davis (District 7)

Major Contracting (Contractor)

Fadi Moussa
Michael Scappaticci

OHM Advisors (Consultant)

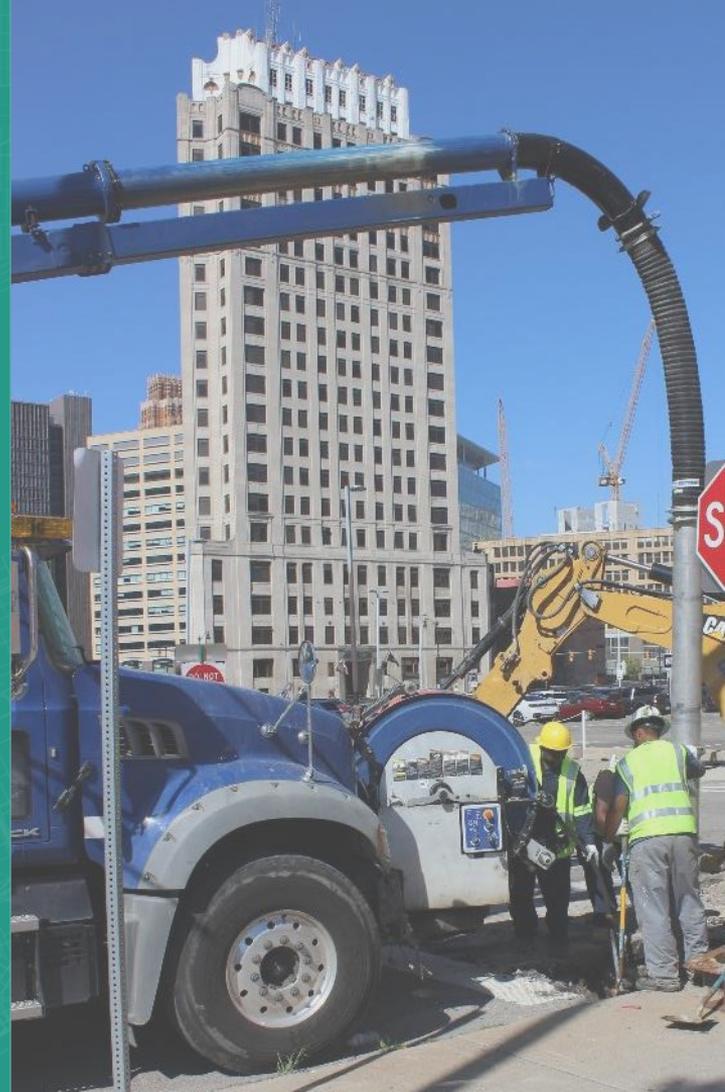
Doug Busko (Construction Engineering)
Patrick Droze (Design Coordination)
Zak Cook (Construction Inspector)



Water and Sewer Systems

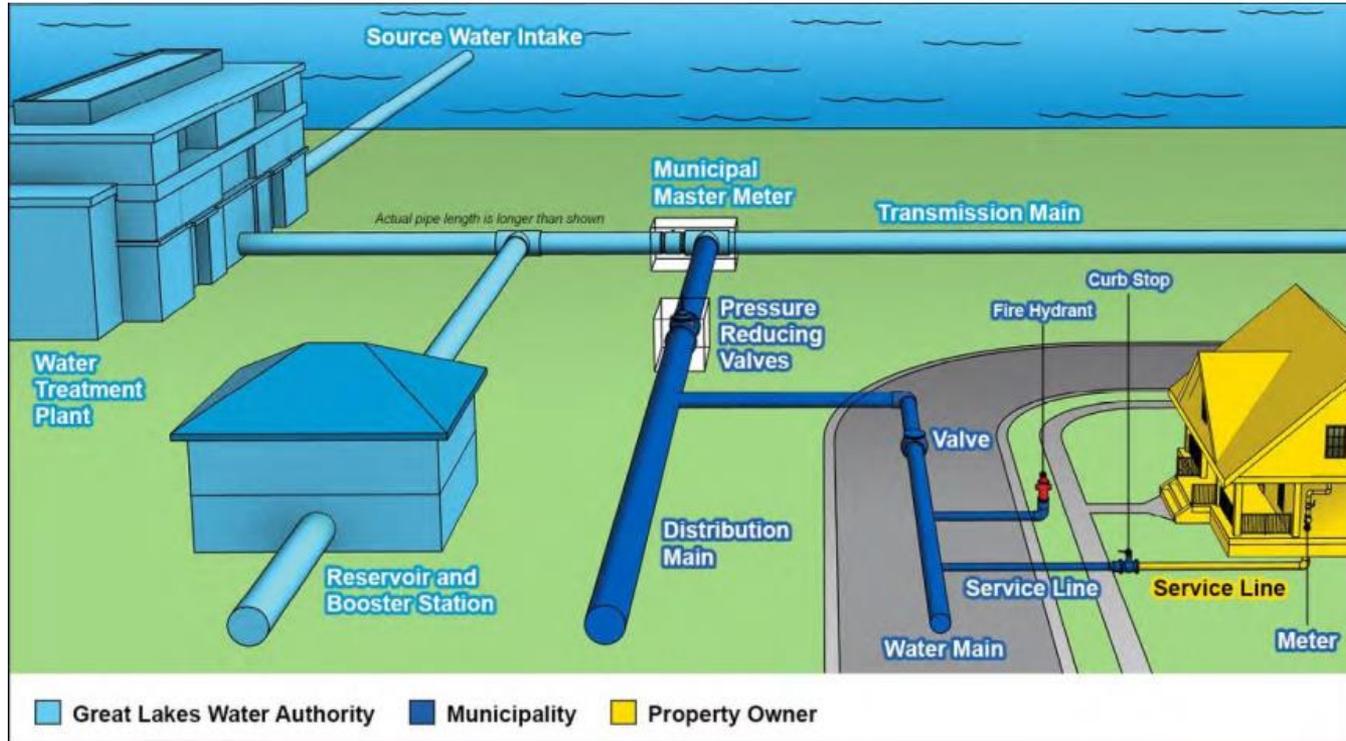


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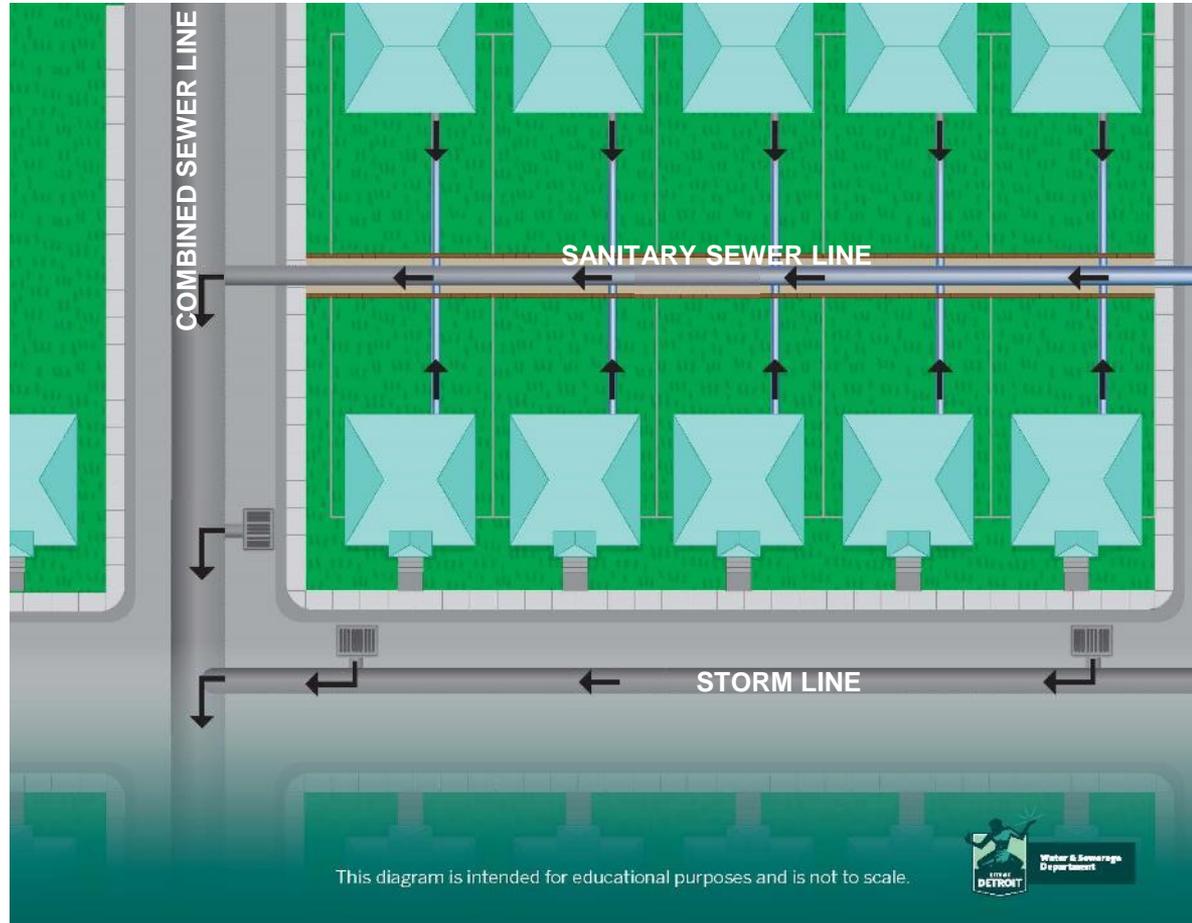
Water System

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



Sewer System

The combined sewer system is separate from the water system – untreated sewage and stormwater is collected in pipes, pumped and treated at nine wet weather facilities, and full treatment at the GLWA Water Resource Recovery Facility.



This diagram is intended for educational purposes and is not to scale.

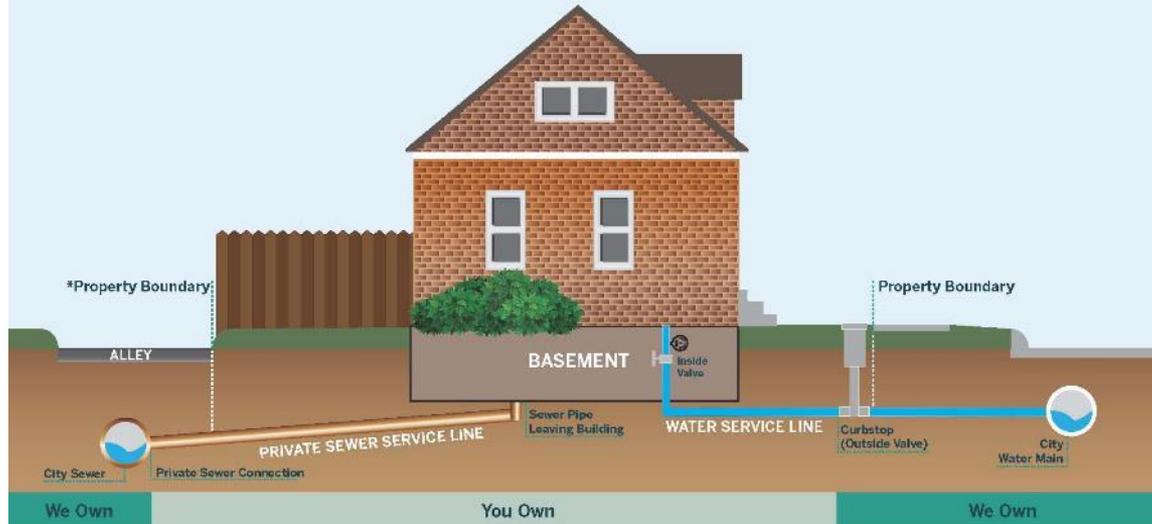
Water and Sewer Systems – Private Responsibility

YOUR RESPONSIBILITY AND OURS

THE WATER AND SEWER LINE FROM YOUR HOME



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DWSD Capital Improvement Program

DWSD has **invested \$400M in capital improvement projects since 2019.**

- Water main, hydrant and lead service line replacement
- Sewer lining and replacement
- Green stormwater infrastructure installations

DWSD and our contractors have:

- Replaced **77 miles** of water main
- More than **1,700** lead service lines
- Replaced or lined **52 miles** of sewer collection piping
- Installed **11 bioretention gardens**



Project Overview

Far West Detroit Stormwater
Improvements Project



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FAR WEST DETROIT STORMWATER IMPROVEMENTS PROJECT

DRAINAGE IMPROVEMENTS

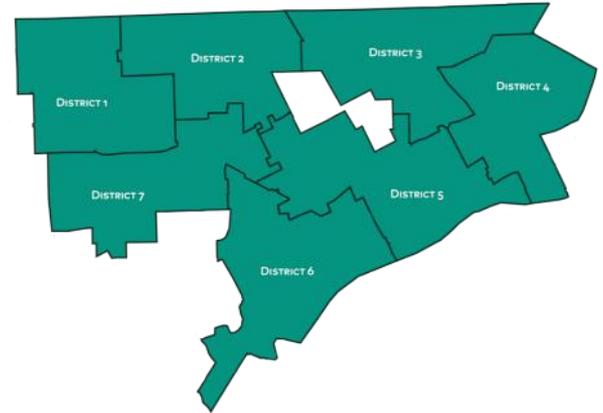
- 25,000' of new drainage piping
- 2 water quality basins
- 1000+ residential downspout disconnections

WATER MAIN IMPROVEMENTS

- 15,000 feet trenchless water main replacement
- 500+ water service replacements

SEWER REHABILITATION

- 20,000 feet of sewer lining and repair
- Various repairs to over 100 manholes and catch basins



Far West Detroit Neighborhood:

*Bounded by W. Warren, Joy Road, W Parkway
and Outer Drive*

Residents: 1210 homes

Schools: Ann Arbor Tr. Magnet School

Parks: Rouge Park

1 Year Review



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1 Year Review



We are here

Summer Update Meeting
• June 22, 2023

First Year Progress

North Basin
(Spring 2023)

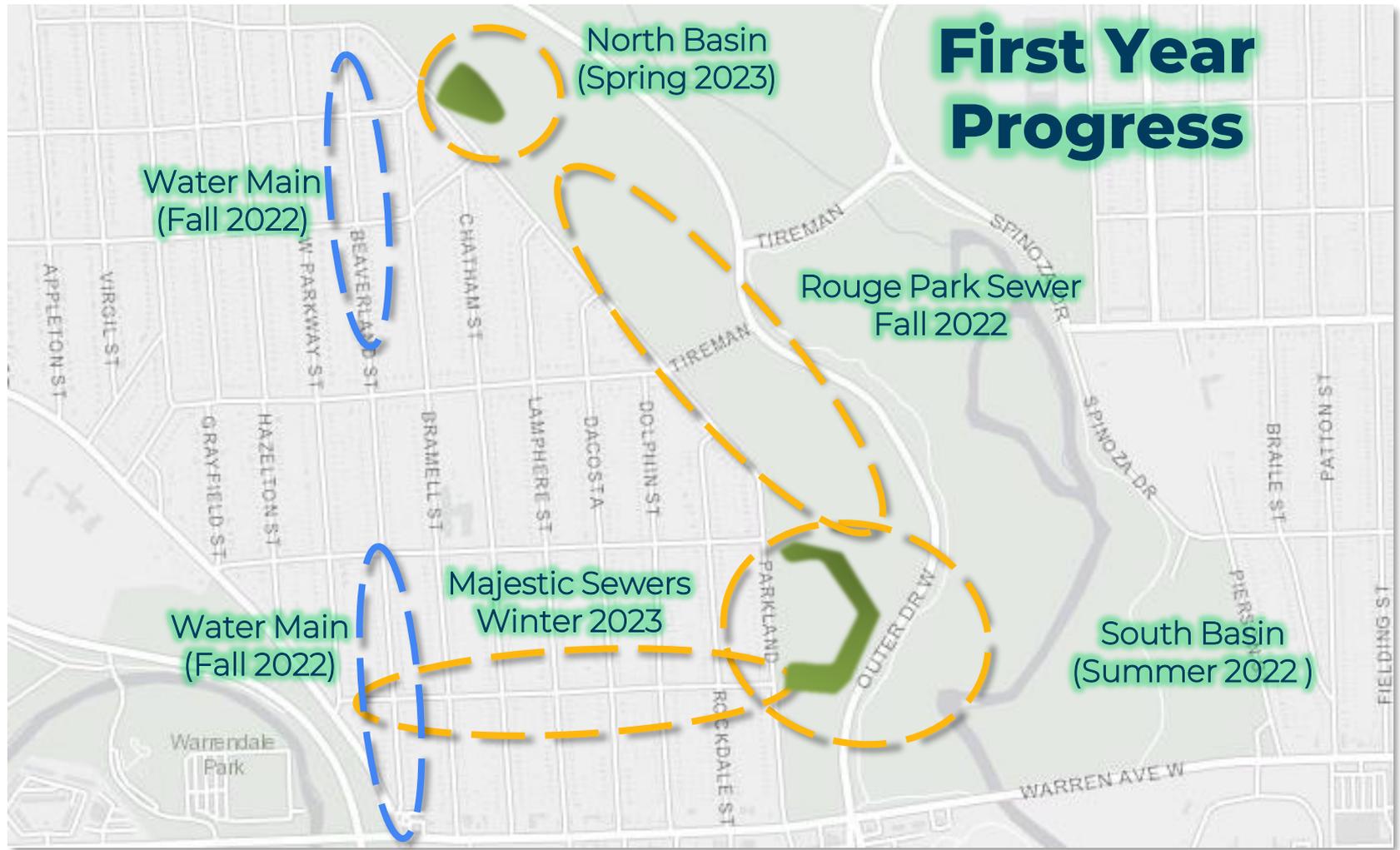
Water Main
(Fall 2022)

Rouge Park Sewer
Fall 2022

Water Main
(Fall 2022)

Majestic Sewers
Winter 2023

South Basin
(Summer 2022)





South Basin Construction

- Basin construction has been substantially completed.
- Remaining work includes final grading and restoration around the perimeter.
- Fall season restoration will include placement of trees, shrubs, gates and educational signage.

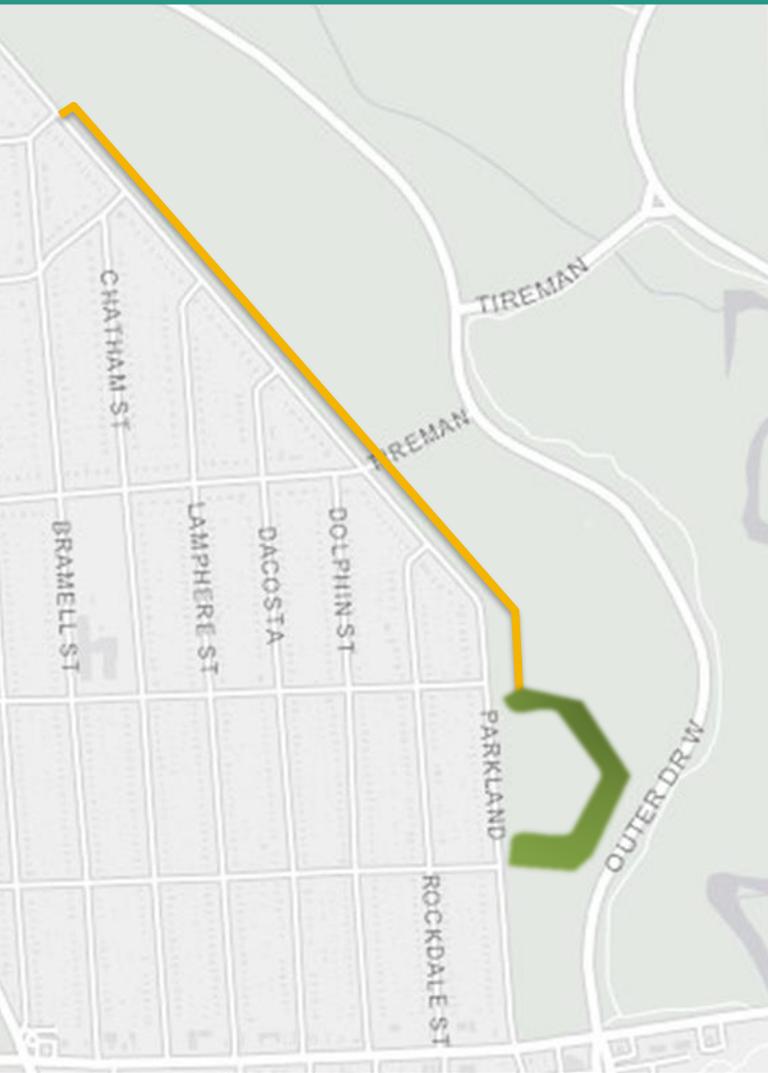




Majestic Street Construction

- Construction of new combined sewer has been completed on the north side of Majestic.
- New storm sewer pipes are being installed working westward towards **Chatham**.
- Street restoration anticipated in July 2023.





Parkland Sewer in Rouge Park

- Storm sewer has been installed between Sawyer Street and Belton Street.
- Intersection drainage along Parkland will be connected to the new sewer in the coming months.
- Areas over the sewer in the park will be restored as prairie with a mowed walking path (late 2023).



Summer 2023 Work

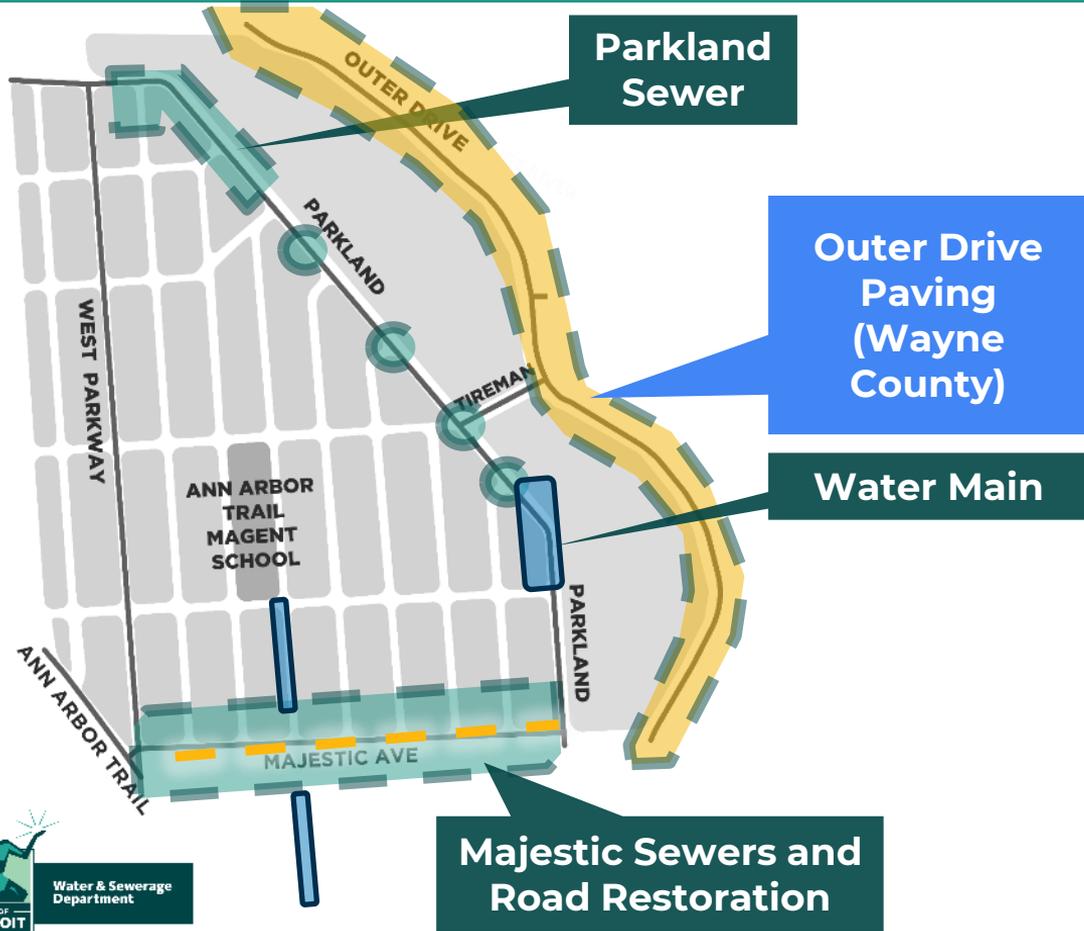
2023 Construction



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Summer 2023 Work



Majestic Street

- Storm sewer and drainage structures
- New asphalt and concrete roadways
- Sidewalk, driveway and lawn restoration
- Now through August 2023

Parkland Street

- Storm sewer and drainage structures
- Storm sewer trench repair, paving and restoration
- July through November 2023

Neighborhood Water Main

- Chatham (Warren to Sawyer)
- Parkland (Sawyer to Rockdale)

Outer Drive (Wayne County Project)

- Milling and resurfacing of the existing roadway (Outer Drive)
- July 2023 to November 2023

Majestic Street Construction

**LOOKING WEST TOWARDS
ANN ARBOR TRAIL**

STORM SEWER PHASE

1. All pavement removed
2. Storm sewer and new catch basins installed
3. Sewer trenches backfilled
4. Trenches will be restored with compacted gravel
5. Streets will be repaved with concrete curb and gutter

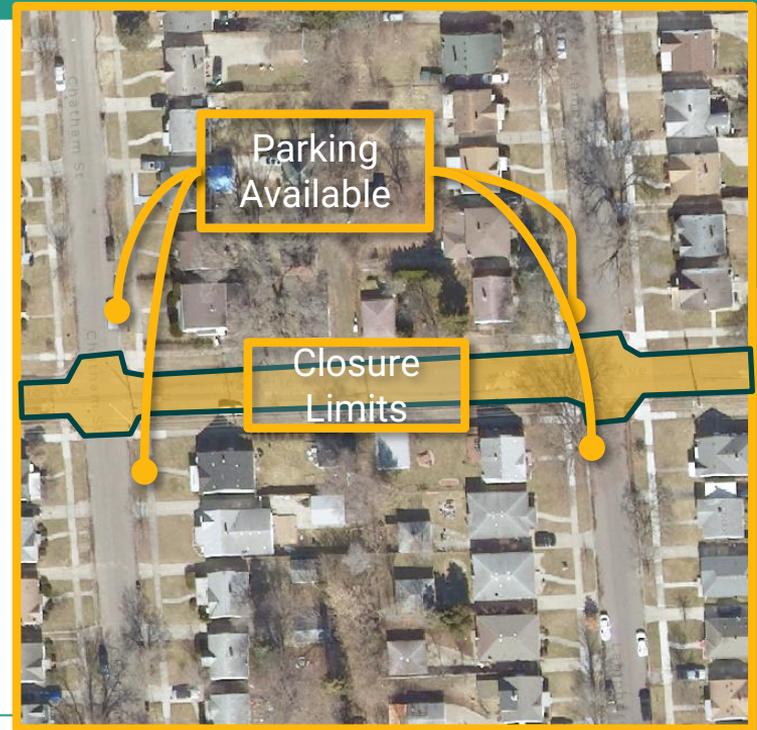
Lawn areas, sidewalks and driveways will be replaced if impacted by the work.

ROAD CLOSED TO ALL TRAFFIC



Impacts to Majestic Street Residents

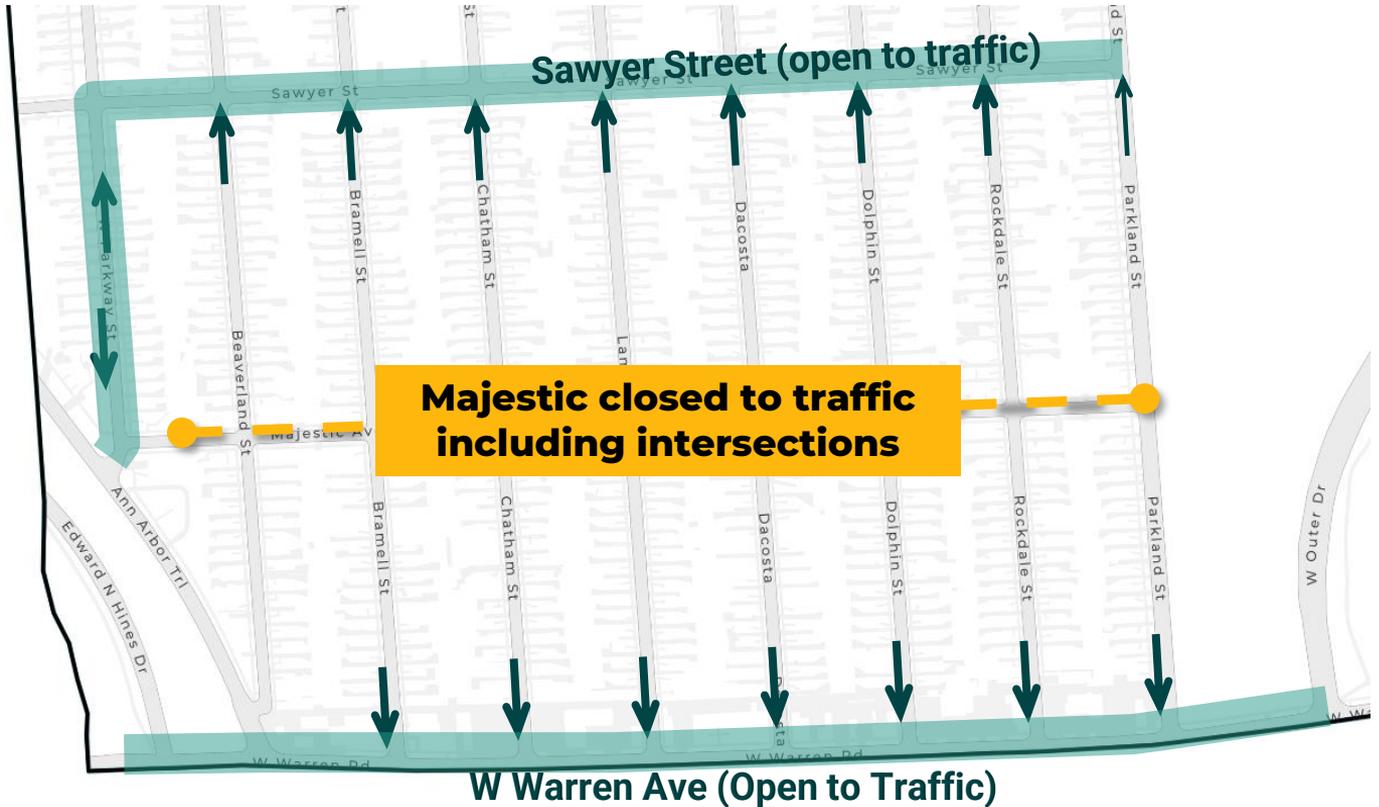
- Garage access restricted to sidewalk only
- No parking on Majestic
 - (utilize north-south streets during active work)



Majestic Street Work – Traffic Pattern

Two-way traffic maintained on Sawyer and W Warren

Parkland detour is Sawyer, W Parkway and Ann Arbor Trail



Parkland Street Construction

**LOOKING SOUTH
TOWARDS CONSTANCE**

Lawn areas, sidewalks and driveways will be replaced only when impacted by the work.

1. Half of road pavement removed
2. Storm sewer and new catch basins installed
3. Sewer trenches backfilled
4. Trenches will be restored with compacted gravel
5. Streets will be repaved with concrete curb and gutter

**NORTHBOUND CLOSED TO
TRAFFIC**

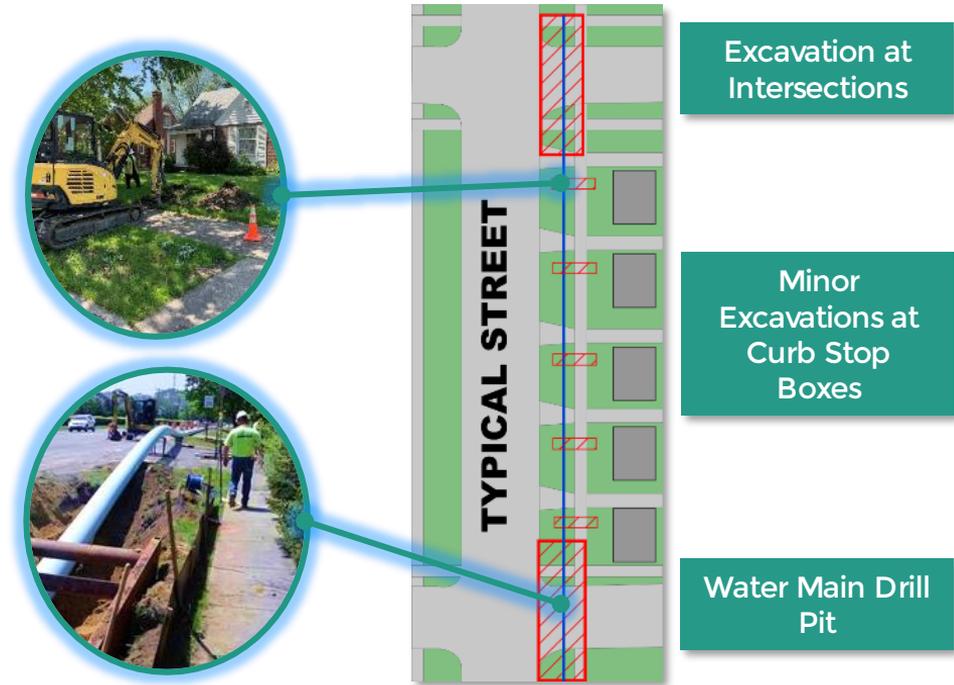
**SOUTHBOUND OPEN TO
LOCAL TRAFFIC ONLY**



Work in Streets – Water Main (Chatham and Parkland)

WATER MAIN REPLACEMENT

- Water main installation will be “trenchless” to limit disruption to streets and sidewalks.
- Existing utilities may be “potholed” to locate crossings. Excavations will be protected with temporary fencing.
- New water main installation may result in temporary closures and/or reconstruction of driveways.



Activity on Residential Property

LEAD SERVICE LINE REPLACEMENT (AS NEEDED)

Note: Not all streets or homes will be eligible for lead service line replacements

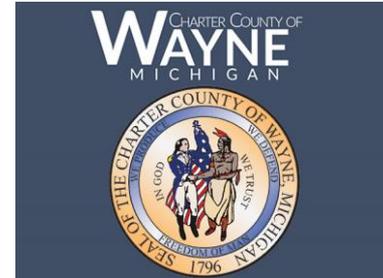
- The stop box will be excavated to confirm material type.
- If a lead service is identified, a new water service will be directionally drilled from street to home and a new connection will be made at water meter in the basement.
- Residents where work may occur should have received an informational packet.
- Updated process will have inspector/contractor visit home to have agreement signed if lead service line exists.





Outer Drive Repaving

Milling and asphalt overlay of Outer Drive between W Warren Avenue and Joy Road.



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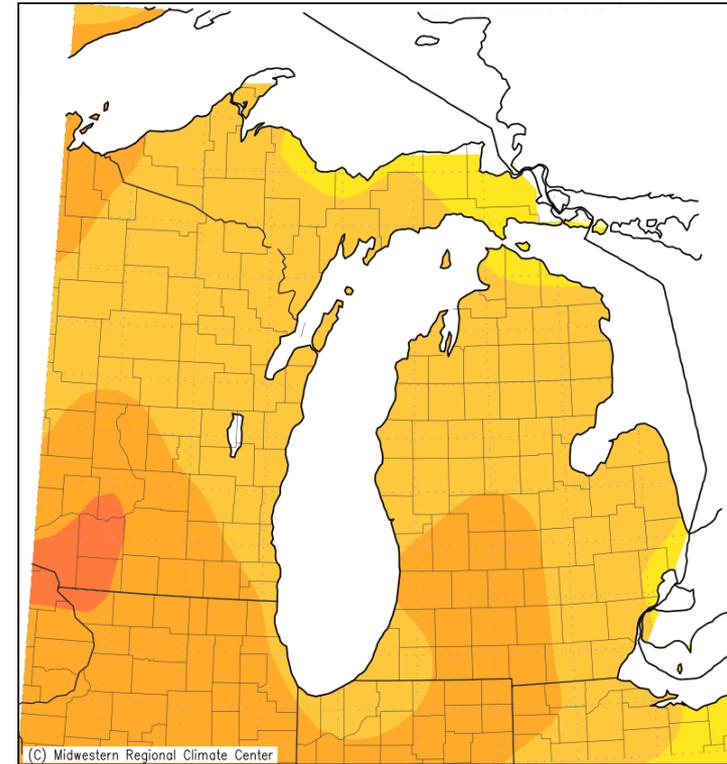
Communication During Construction

- As construction approaches, residents will be notified of upcoming work with door hangers.
- Vehicles should be moved when work is planned.
- Follow all construction signage and stay out of work zone areas.

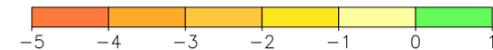


Neighborhood Concerns

- **Dust Control**
 - Abnormally dry conditions have resulted in a very dry project site.
 - DWSD contractors has been spraying a liquid dust palliative on roadways
- **Water Main Breaks**
 - DWSD is aware that the community has experienced several water main breaks in the past 6 months. Several water mains will be replaced as part of the project to improve reliability.
 - Other segments are being evaluated and may be added.
 - All water interruptions related to the project will be communicated ahead of time. If you experience an unexpected water service interruption, call DWSD at 313-267-8000 to report a water main break.



Mean period is 1991–2020.



Michigan State Climate Office
East Lansing, Michigan



Communication and Outreach



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COMMUNICATION: DURING CONSTRUCTION

WAYS YOU CAN STAY INFORMED:

List Serv

- Sign-up today or send your name and email address to: dwsd-publicaffairs@detroitmi.gov
Subject line: **"Far West Detroit Project"**
- Public Affairs Construction Line: 313-880-2812

Project Updates

- Monthly e-mail messages to the community

Project Progress Meetings

- A neighborhood-wide meeting will be held at the end of each construction season.



Questions?

Thank You



313-880-2812



DWSD-publicaffairs@detroitmi.gov



www.detroitmi.gov/dwsd



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