

Jefferson Chalmers Sewer Upsizing Project

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Detroit Water & Sewerage Department

September 5, 2024



**Water & Sewerage
Department**

Agenda

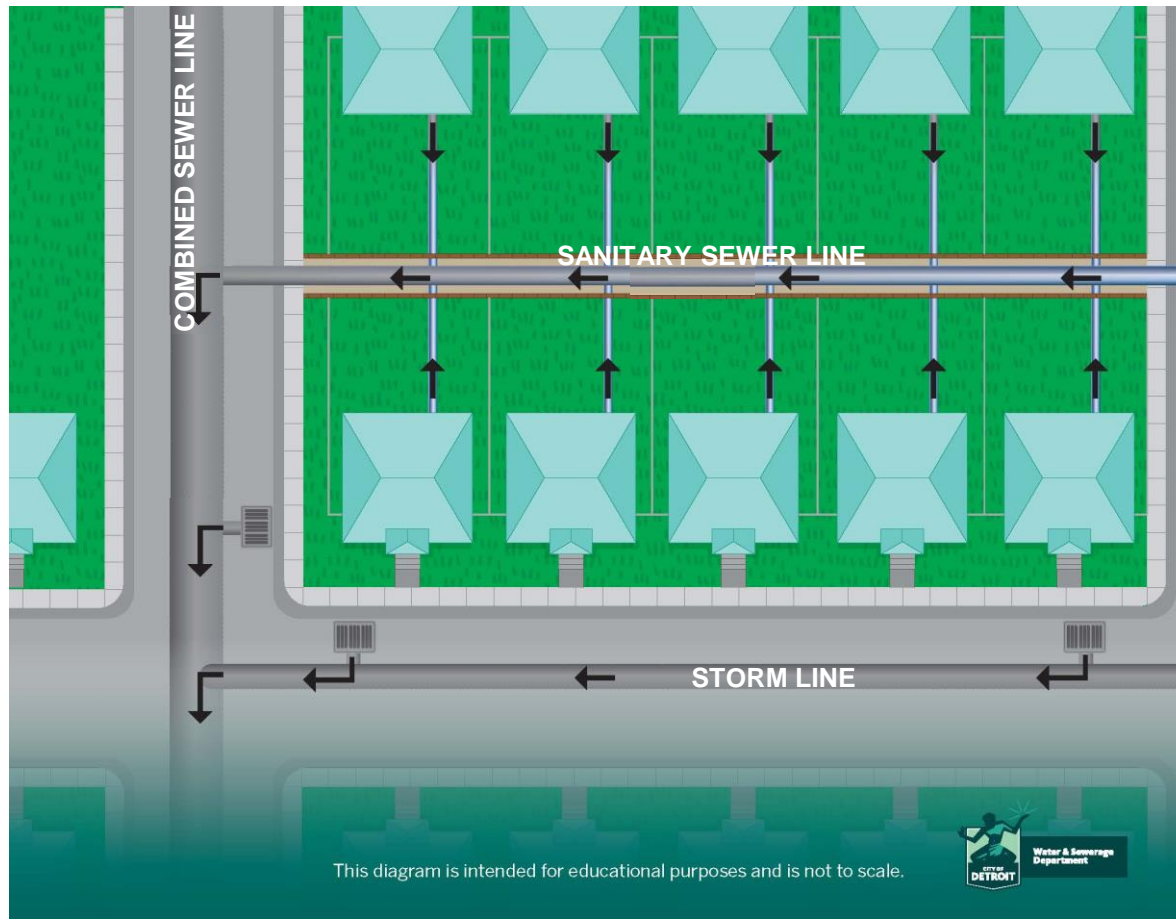
- Greetings and Introductions
- Sewer System Overview
- Sewer System Improvements
- Project Overview
- Timeline and Communication
- Question and Answer



How the Sewer System Functions



Detroit Sewer System: Local Collection System Operated by DWSD



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

Detroit Sewer System: Private Portion



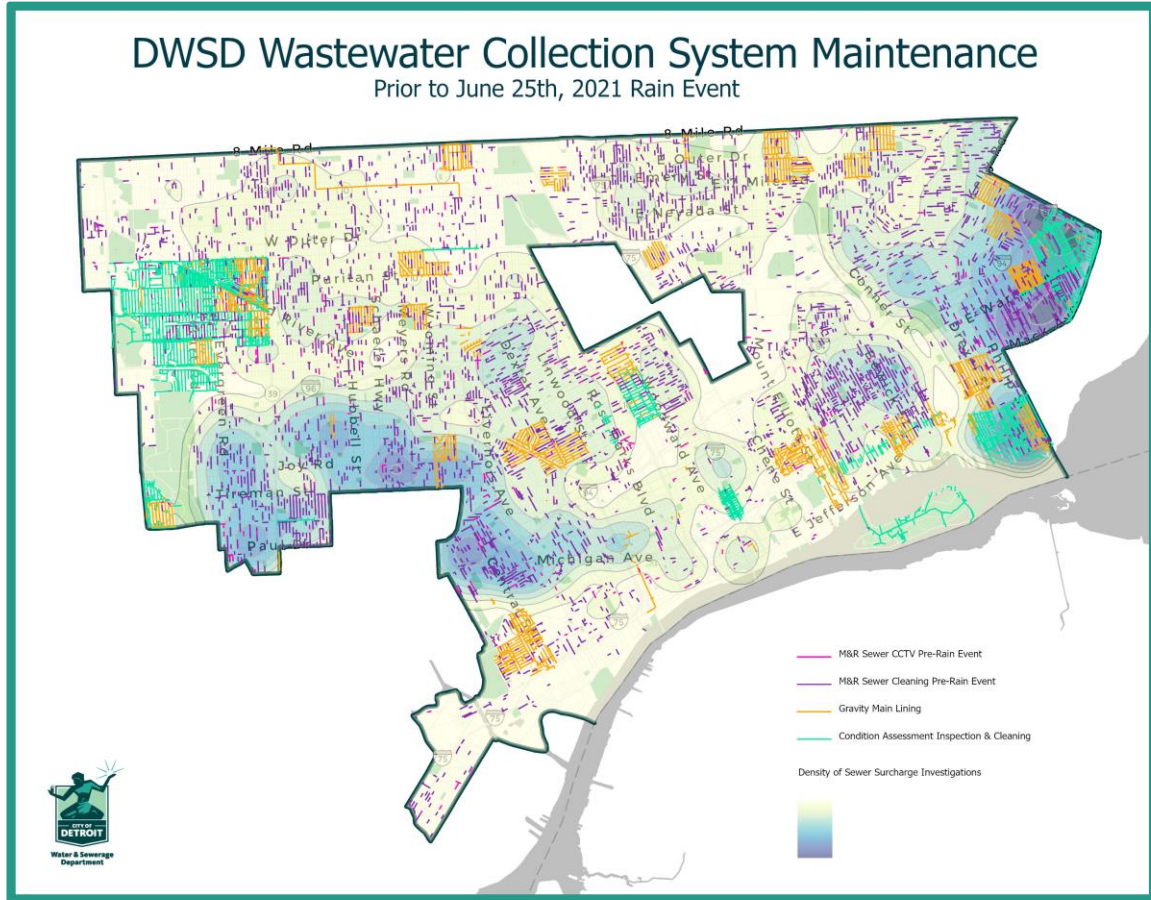
Less than 20% of homes in Detroit have the sewer service line in front of the house, including some parts of Jefferson Chalmers and in several westside neighborhoods.

Sewer System Improvements

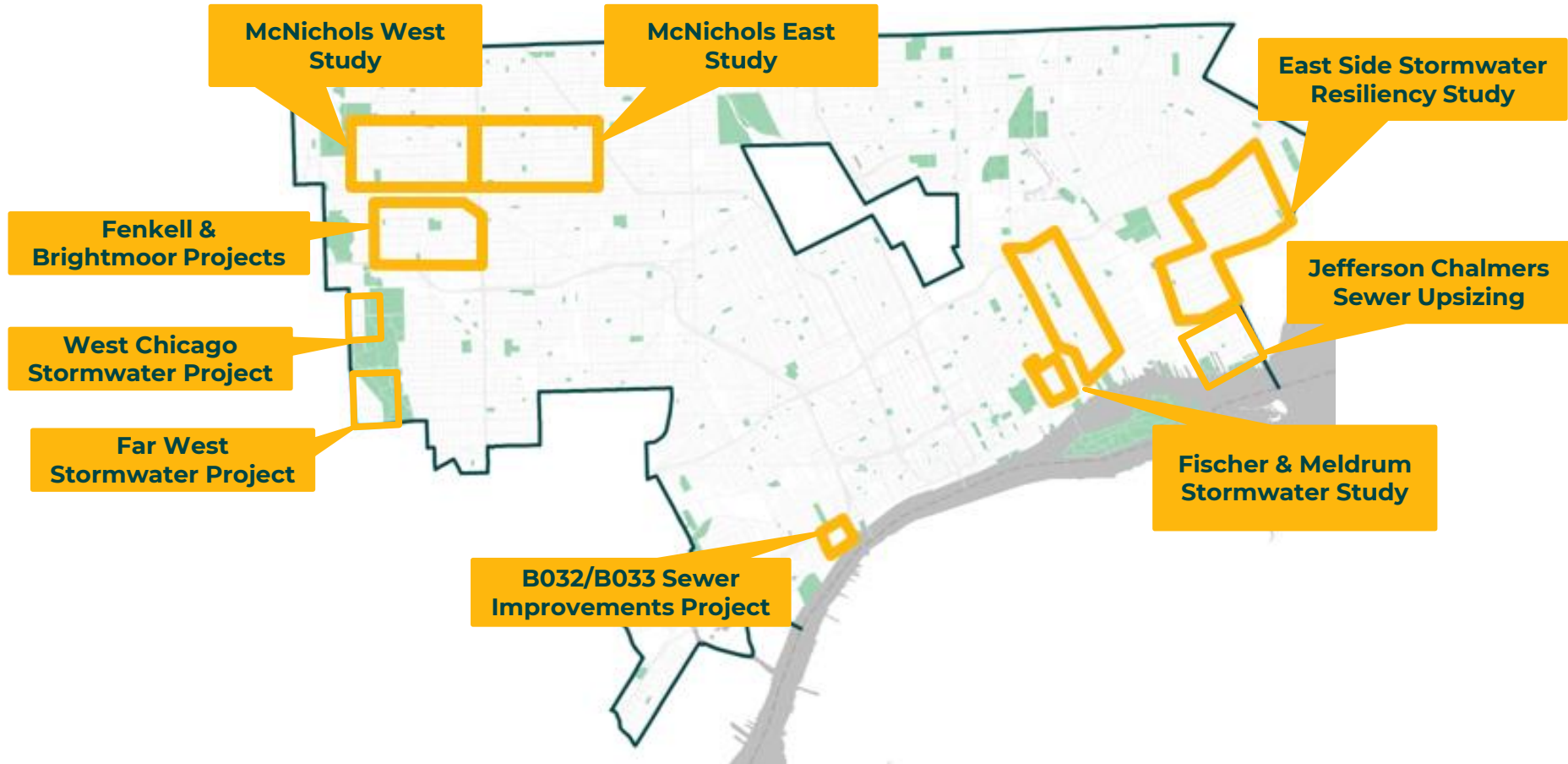


Sewer Cleaning and Rehab to Build Capacity

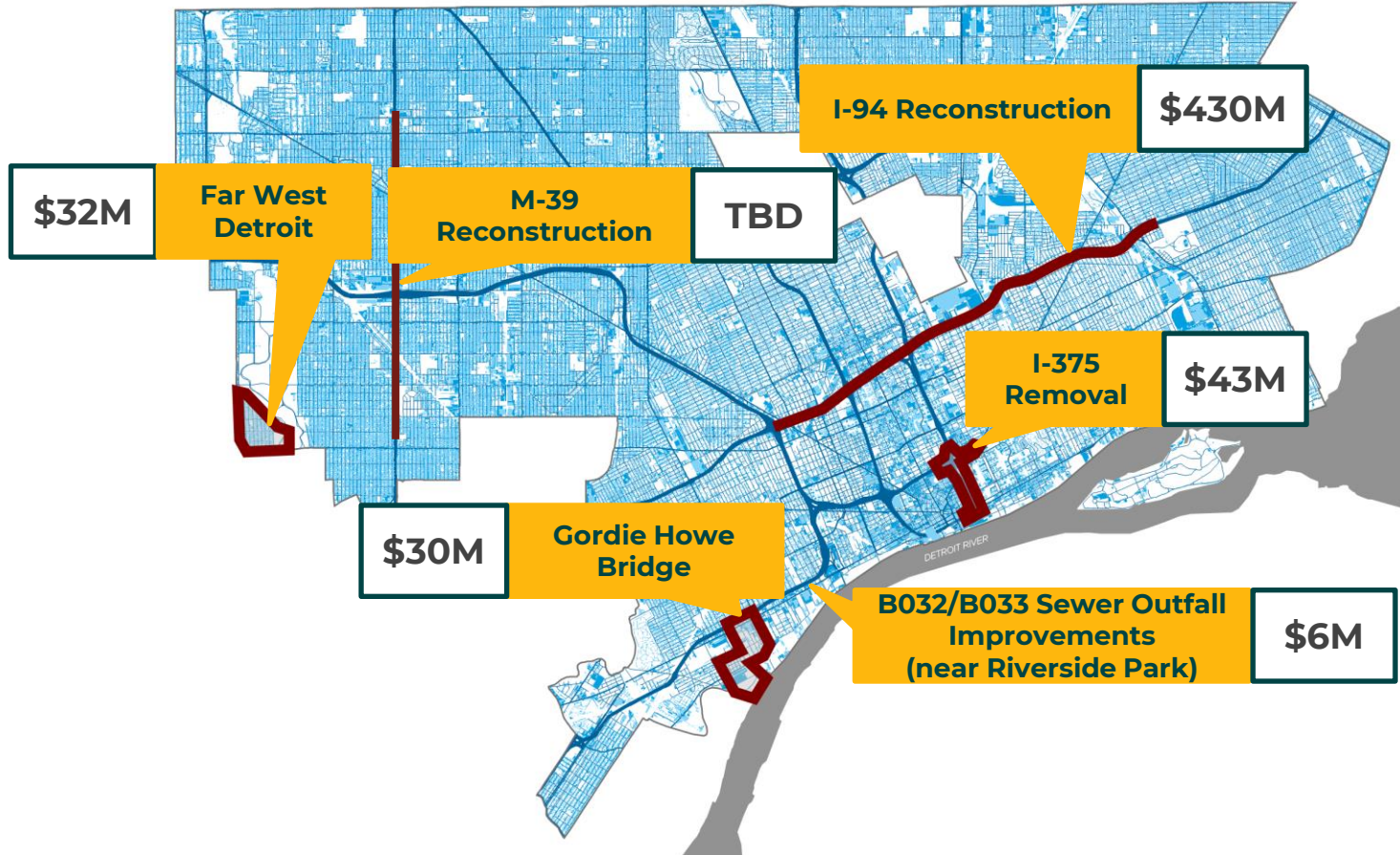
- DWSD has **cleaned 432 miles YTD** with a goal to clean 600 miles this year.
- DWSD has **cleaned 5,191 catch basins YTD** and will clean 8,000 this year.
- **19.05 miles of sewer** have been lined or repaired since 2018 to extend the useful life.



Flood Mitigation Projects in Planning, Design and Construction



Collaboration Projects



Basement Backup Protection Program and Private Sewer Repair Program



The City of Detroit's **Basement Backup Protection Program** provides flood prevention services to 11 flood prone neighborhoods.

The **Private Sewer Repair Program** includes 22 neighborhoods for low-income eligible households, utilizing \$45M in funding from the U.S. Department of Housing & Urban Development (HUD) that was allocated to Detroit in response to the June 25-26, 2021 rain event.

The following services are offered to participating homeowners/landlords:

- Camera inspection of sewer lateral service line
- Disconnect downspouts and install extensions
- Install backwater valve
- Install sump pump with overflow
- Sewer lateral repair

Basement Backup Protection Program *700+ completed*

Aviation Sub (+PSRP)	Cornerstone Village (+PSRP)
Victoria Park	Morningside (+PSRP)
Jefferson Chalmers	Barton-McFarland (+PSRP)
East English Village	Chadsey Condon (+PSRP)
Warrendale (+PSRP)	Garden View (+PSRP)
Moross-Morang	

Private Sewer Lateral Repair Program

Chandler Park	Plymouth-i96
Fox Creek	Plymouth-Hubell
Riverbend	Paveway
West End	We Care Community
Midwest	Fiskhorn
Claytown	Joy Schaefer
North Corktown	Warren Ave Community
Michigan-Martin	

Jefferson Chalmers Sewer Upsizing Project



Mitigating Flooding in Jefferson Chalmers

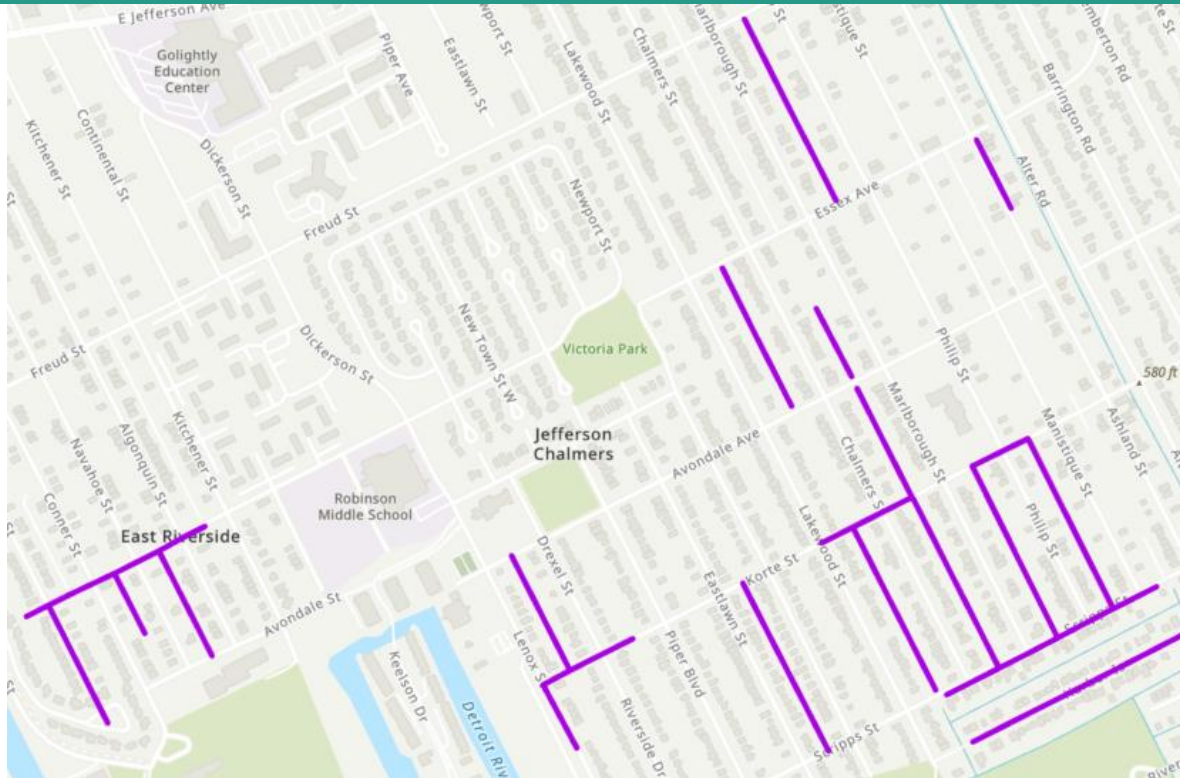
- Hydraulic modeling is used to simulate our sewer system, to plan improvements.
- Modeling shows areas where reinforcement is needed in the local system to ensure continued flow.
- Goal of project is to expand capacity within existing combined sewers in Jefferson Chalmers to reduce basement backups during typical rain events.
- Project was awarded \$11.3M FEMA's Building Resilient Infrastructure and Communities (BRIC) grant program in 2023.
- **This is one of many efforts towards Jefferson Chalmers resiliency.**

Project Scope

- Almost 19,000 linear feet (3.6 miles) of sewer pipe will be replaced with a larger diameter pipe.
- Private lateral connections will be reestablished where the sewer is being upsized.
- Roadways, sidewalks, lawns, and alleys impacted by construction will be restored to prior existing conditions.

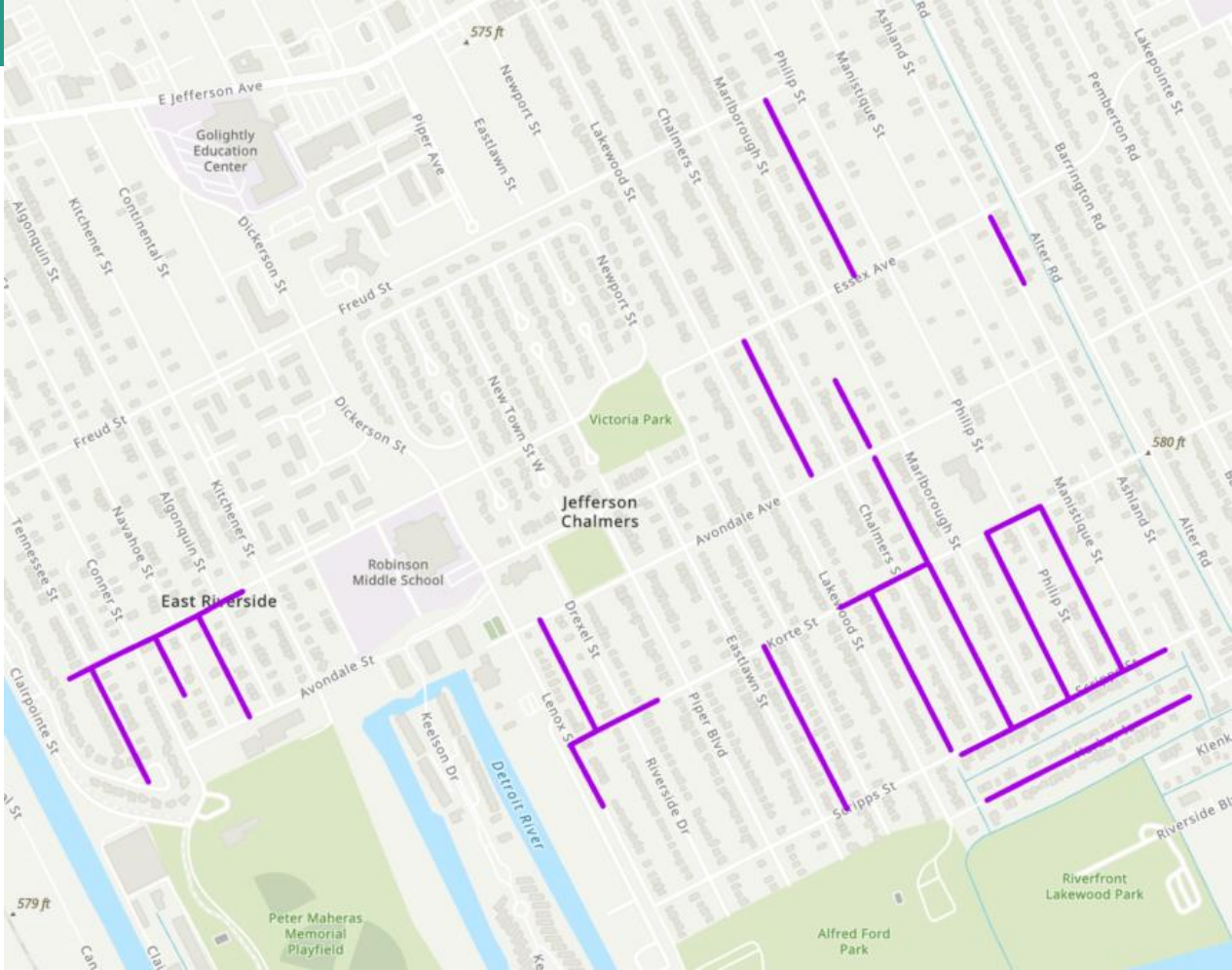


Sewers Being Upsized

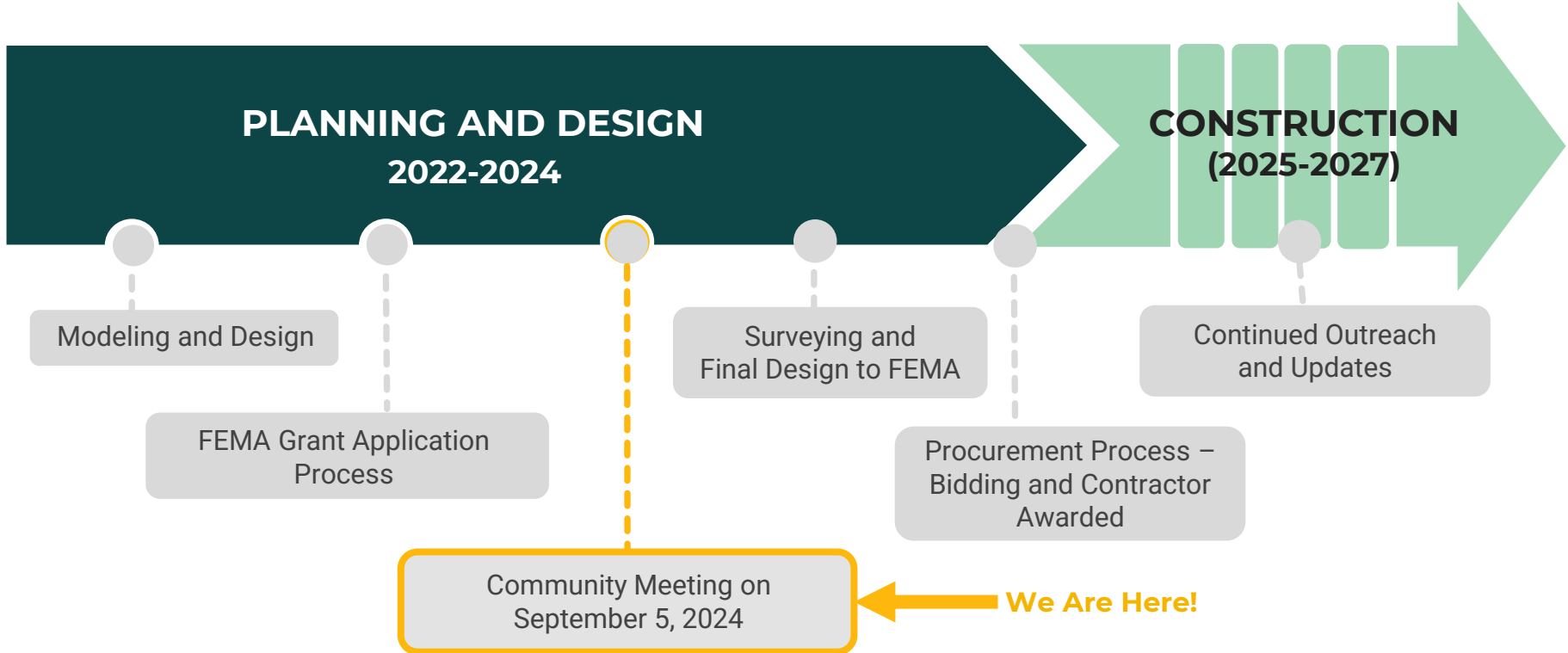


- **Tennessee** from Essex to Clairpointe Woods
- Eastside of **Conner** from Essex to Avondale
- **Navahoe** from Essex to Avondale
- Westside of **Algonquin** from Essex to Avondale
- **Essex** from Tennessee to Kitchener
- **Lenox** from Avondale to Scripps
- Westside of **Drexel** from Avondale to Korte
- **Korte** from Lenox to Manistique
- Eastside of **Eastlawn** from Korte to Scripps
- Westside of **Newport** from Korte to Scripps
- Eastside of **Lakewood** from Essex to Scripps
- **Chalmers** from Essex to Scripps
- Eastside of **Marlborough** from Freud to Essex
- **Marlborough** from Essex to Scripps
- Westside of **Philip** from Freud to Essex
- **Philip** from Korte to Scripps
- **Ashland** from Essex to Avondale
- **Scripps** from Lakewood to Ashland
- **Harbor Island**

Sewers Being Upsized



Timeline



2024 Surveying

- DWSD's consultant, Mannik Smith Group, is taking measurements and surveying the neighborhood to gather data to help finalize the project design.



- If you are on a street where we will be upsizing the sewer, we may need to access your front yard and back yard to survey the area.



- Employees will knock on your door prior to accessing your yards.
- Work will take place Monday through Friday between 8 a.m. and 6 p.m.
- No impact to your home or lawns during this work.



What to Expect During Construction

- Door hanger notices will be distributed in advance of work beginning on your block.
- Most construction will be in the right of ways/alley.
- Structures, fences or other items within the right of way may need to be moved.
 - DWSD inspectors and contractor will coordinate with you in advance of construction.
 - Fences will be temporarily removed and restored after construction.
- Areas impacted by construction will be restored – roadways, sidewalks, lawns, alleys, fences.
 - Impacted areas will be restored to prior condition. We cannot restore outside of the construction impact area.

Ways You Can Stay Informed



Project Updates

- Monthly e-mail messages to the community and posted on the project webpage.
- Send name and email address to: dwsd-publicaffairs@detroitmi.gov
Subject line: “**Jefferson Chalmers Upsizing**”

Fliers

- Project update fliers will be distributed in advance of work on your street.

Project Progress Meetings

- Quarterly neighborhood-wide meetings will be throughout construction to discuss progress and answer questions.

Questions?



Thank You!

Detroit Water & Sewerage Department

Email: DWSD-publicaffairs@detroitmi.gov

Phone: 313-880-2812



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Department



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