

March 2024

FY2025 DWSRF Projects

*Samuel A. Smalley, PE, S-1, F-1,
Chief Operating Officer*



**Water & Sewerage
Department**



DWSRF FY 2025 Water Main Replacement

- DWSD will be seeking low-interest Drinking Water State Revolving Fund (DWSRF) loan assistance for FY2025.
- The projects are titled WS-741(Project A) and WS-742(Project B).
- Construction will include:
 - Excavation of existing water mains;
 - Hydro-vac excavation of service lines;
 - Installation of new pipes and rehabilitation of pipes;
 - Replacement of Lead (Pb) service lines;
 - Pressure testing;
 - Backfill of the excavation required for piping work; and
 - Restoration of each work site.
- All work to be performed within the existing road right-of-way. **The impact of the project will be improved customer satisfaction and provide safe, reliable service delivery of potable water to customers.**

DWSRF FY 2025 Water Main Replacement

- The temporary impact of construction activities will be minimized through mitigation measures specified in the contract documents.
- Adverse impacts on historical, archaeological, geographic, or cultural areas are not expected.
- This project is necessary to ensure that DWSD will consistently and reliably provide high quality potable water to Detroit residents.
- **The Project Plan describes water mains in critical need of replacement or rehabilitation.**
- The total project cost of this project is currently estimated at \$38.8 Million of which 100% is being requested through the DWSRF.
 - Approximately \$19.45 Million for Project A
 - Nearly \$19.35 Million for Project B.

DWSRF Program Overview

Drinking Water State Revolving Fund (DWSRF)

- Low-interest state loan program

City of Detroit is well positioned to receive funding based on need.

- Disadvantaged community determination based on debt service on the upcoming loan will be charged to the City customers over time and built into the capital portion of the rate structure.
- DWSD's disadvantaged status allows for a 30-year or 40-year term option instead of 20-year. DWSD will choose a 30-year term.
- Principal forgiveness subsidy:
 - Previous loan for \$10,000,000 with 100% loan forgiveness for Lead service line replacement.
 - Booker Funding from EGLE-State of Michigan.

Project Locations and Scope of Work



WS-741: Water Main Replacement and Rehabilitation in District 1

- DWSD proposes to develop contract number WS-741 with a project scope that includes **replacing and rehabilitating approximately 28,700 linear feet of vintage cast iron water main** of pipe size 6-inches and 8-inches in diameter.
 - Full Lead service line replacements (forecasted 458 lead services)
 - **Estimated cost: \$19.45 M**
- **Project locations:** Evergreen-Outer Drive, Crary/St Marys, Cadillac Community.

WS-741 Overview Map – Evergreen-Outer Drive



WS-741 Overview Map - Crary/St. Marys



WS-741 Overview Map – Cadillac Community



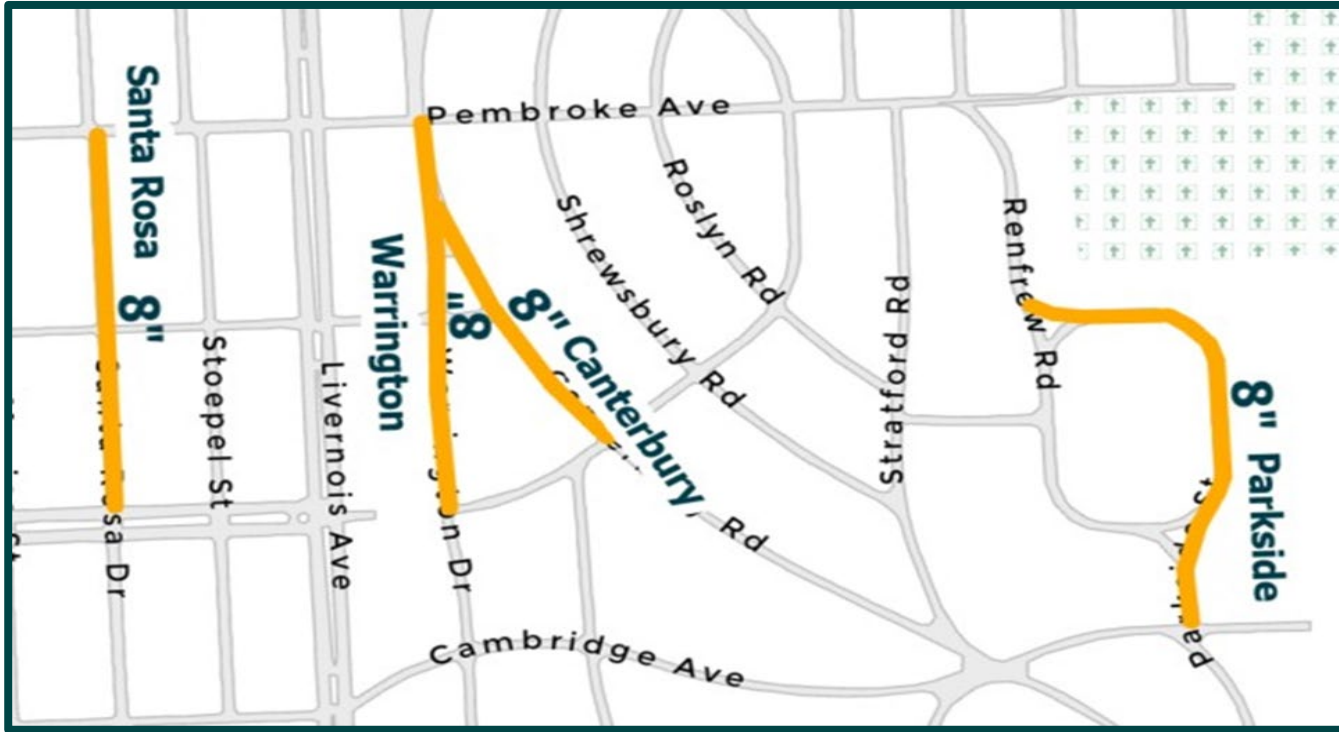
WS-742: Water Main Replacement and Rehabilitation, Districts 2 and 3

- DWSD proposes to develop a contract number WS-742 with a Project scope that includes **replacing and rehabilitating approximately 30,300 linear feet of vintage cast iron water main** of pipe size 6-inches through 12-inches in diameter.
 - Full Lead service line replacements (forecasted 475 lead services)
 - **Estimated cost: \$19.35 M**
- **Project Locations:** Greenwich, San Bernando, Pembroke, Sherwood Forest, McDowell, Oak Grove District 2, Hawthorne Park, and Conant Gardens.

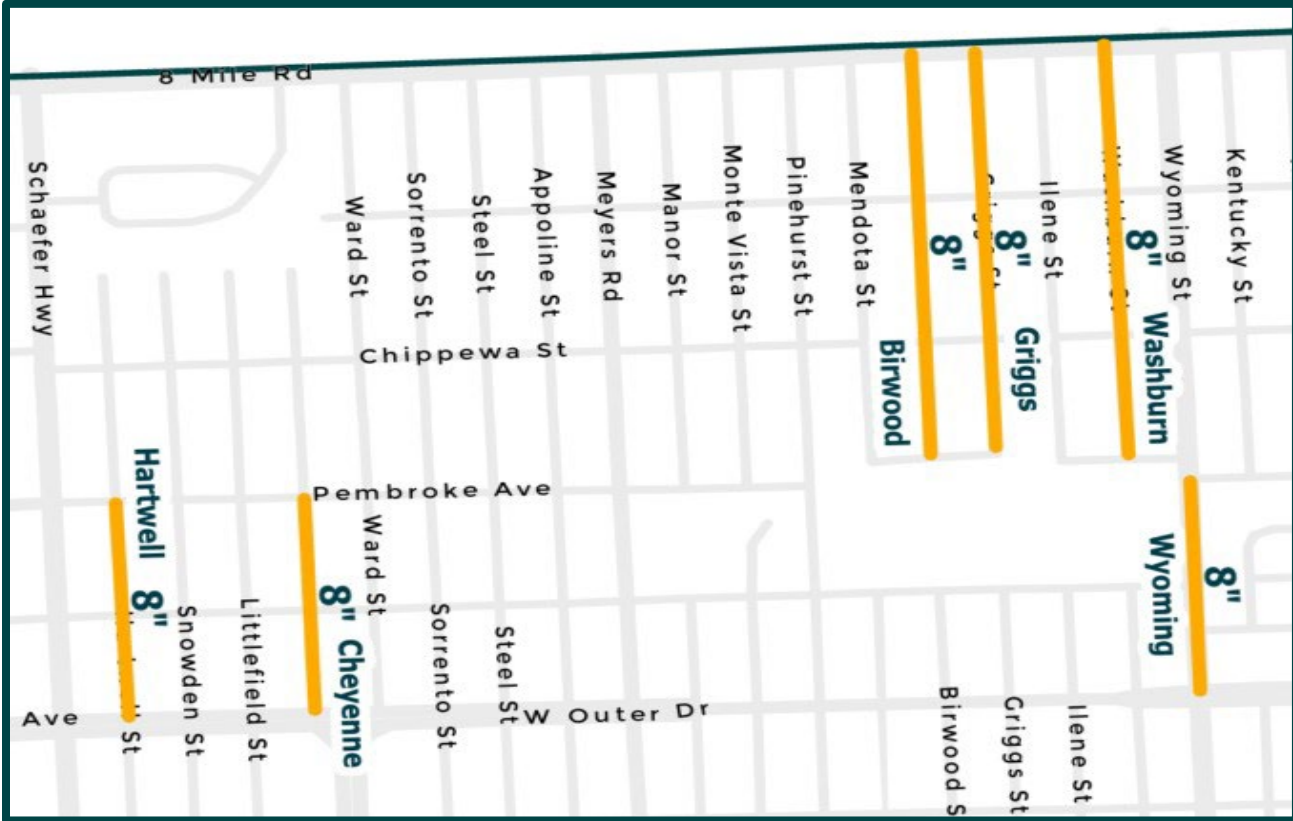
WS-742 Overview Map - Hawthorne Park and Conant Gardens



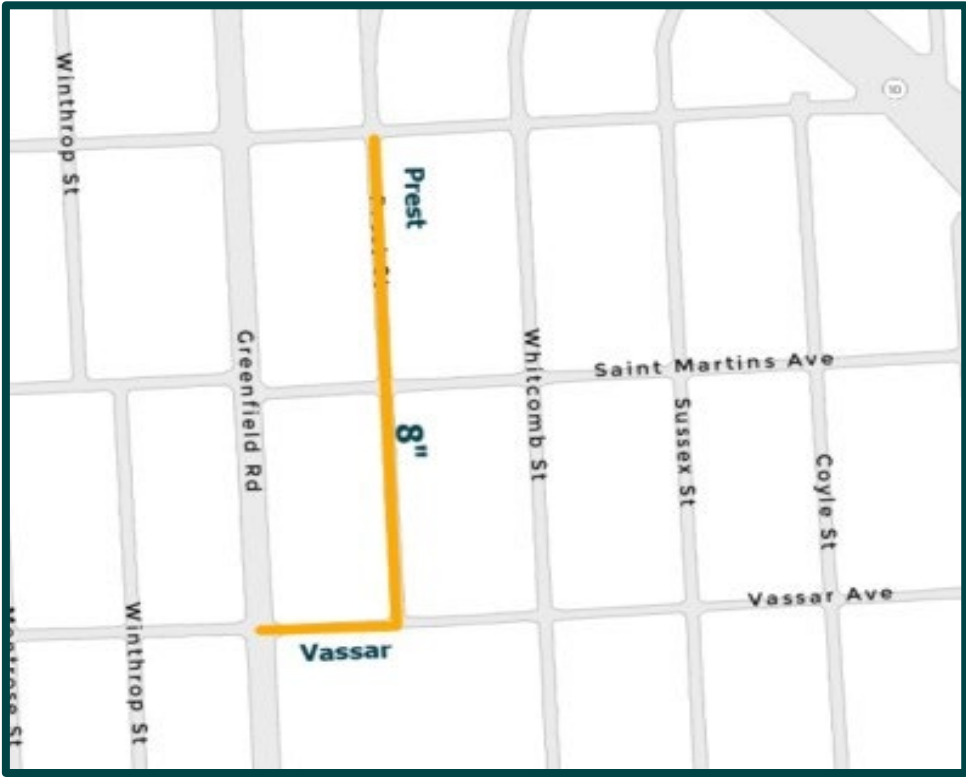
WS-742 Overview Map - Oak Grove and Sherwood Forest



WS-742 Overview Map – Greenwich, McDowell and Pembroke



WS-742 Overview Map – San Bernardo



Schedule

Project Plan, Design and Construction



Water & Sewerage
Department

DWSRF Project Plan Schedule

Draft Project Plan Public Meeting and Board Resolution

• March 20, 2024

GLWA Board Meeting and Board Resolution

• April 24, 2024

Final Project Plan Submitted to EGLE

• June 1, 2024

Bid Ad Published

• January 2025

Construction Begins


• April 2025

Full Board Approval Action

Resolution Approving the Project Planning Document

- DWSD requests the BOWC to approve the project planning document by adopting the resolution.

Thank You

 313-267-8000

 dwsd-publicaffairs@detroitmi.gov

 www.detroitmi.gov/dwsd



**Water & Sewerage
Department**



**A RESOLUTION ADOPTING A FINAL PROJECT PLAN FOR THE DETROIT WATER AND
SEWERAGE DEPARTMENT FOR WATER SYSTEM IMPROVEMENTS FY25 DRINKING
WATER STATE REVOLVING FUND (DWSRF) PROJECT**

WHEREAS, Detroit Water and Sewerage Department (DWSD) and the Great Lakes Water Authority (GLWA) recognize the need to make improvements to its existing water distribution system that are owned and operated by the City of Detroit and that are physically located within the city limits; and

WHEREAS, DWSD has prepared a Drinking Water State Revolving Fund (DWSRF) Project Plan, which recommends water main replacement and associated appurtenances, including removal of certain lead service lines, in the Evergreen-Outer Drive, Crary/St Marys, and Cadillac Community neighborhoods in the City of Detroit, further referenced as WS-741; and

WHEREAS, DWSD has prepared a Drinking Water State Revolving Fund (DWSRF) Project Plan, which recommends water main replacement and associated appurtenances, including removal of certain lead service lines, in the Conant Gardens, Greenwich, Hawthorne Park, Oak Grove, Pembroke and Sherwood Forest neighborhoods in the City of Detroit, further referenced as WS-742; and

WHEREAS, said Project Plan was presented at the public meeting held on - Wednesday, March 20, 2024 and all public comments have been considered and addressed; and

WHEREAS, DWSD formally adopted said Project Plan and agreed to implement the identified selected alternative of water main and lead service line replacements as described in said document, as evidenced by the DWSD resolution;

NOW THEREFORE BE IT RESOLVED, that Detroit Water and Sewerage Department formally adopts said Project Planning Document and agrees to implement the selected project design.

BE IT FURTHER RESOLVED, that the Detroit, Water and Sewerage Department Director , a position currently held by Gary Brown, is designated as the authorized representative for all activities associated with the project referenced above, including the submittal of said Project Planning Document as the first step in applying to the State of Michigan for a Drinking Water State Revolving Fund Loan to assist in the implementation of the selected alternative

Yeas (names of Members voting Yes): Commissioners: Michael Einheuser, Mary Blackmon, Lane Coleman, John Henry Davis, Linda Forte, Jane Garcia, Jonathan Kinloch

Nays (names of Members voting No):

I certify that the above Resolution was adopted by Great Lakes Water Authority and Detroit Water and Sewerage Department on March 20, 2024 .

BY: Marian King-Bell

Name (please print or type)

Marian King Bell

Signature

Board Secretary

Title

3/21/2024

Date



Detroit Water and Sewerage Department Certified Copy

735 Randolph Street
Detroit, Michigan 48226
(313) 224-4704 Office
dwsd.legistar.com

Resolution, BOWC: 2024-47

File Number: 2024-47

The Board of Water Commissioners for the City of Detroit, Water and Sewerage Department recommends adoption of the “**A final project plan for the Detroit Water and Sewerage Department Water Main Replacement and Full Lead Service Line Replacement and Designating an Authorized Project Representative FY 2025 Drinking Water State Revolving Fund (DWSRF)**”. The BOWC also authorizes the Chief Financial Officer and the Director to take such other action as may be necessary to accomplish the intent of this vote.

Agenda of March 20, 2024

Item No. 2024-47

TO: The Honorable
Board of Water Commissioners
City of Detroit, Michigan

FROM: Gary Brown, Director
Water and Sewerage Department

RE: Final Project Plan for Water Main Replacement and Full Lead Service Line Replacement and Designating an Authorized Project Representative FY 2025 Drinking Water State Revolving Fund (DWSRF)

MOTION

Upon recommendation of Samuel A. Smalley, P.E., Chief Operating Officer, the Board of Water Commissioners for the City of Detroit, Water and Sewerage Department recommends adoption of the “A final project plan for the Detroit Water and Sewerage Department Water Main Replacement and Full Lead Service Line Replacement and Designating an Authorized Project Representative FY 2025 Drinking Water State Revolving Fund (DWSRF)” and also authorizes the Chief Financial Officer and the Director to take such other action as may be necessary to accomplish the intent of this vote.



DETROIT WATER AND SEWERAGE DEPARTMENT NOTICE

PUBLIC MEETING FOR WATER MAIN REPLACEMENT

FY25 DRINKING WATER STATE REVOLVING FUND (DWSRF) PROJECT

The Detroit Water and Sewerage Department (DWSD) announces a Public Meeting regarding its Project Plan for proposed Water Main Replacement in the City of Detroit. DWSD is seeking low interest Drinking Water State Revolving Fund (DWSRF) loan assistance for FY2025. These projects are comprised of replacing aging water mains at select locations in the neighborhoods of Evergreen-Outer Drive, Crary/St Marys, and Cadillac Community of Council District 1, the Greenwich, San Bernardo, Pembroke, Sherwood Forest, McDowell, and Oak Grove of Council District 2, and the Hawthorne Park, Conant Gardens neighborhoods of Council Districts 2 and 3. The projects are respectively titled WS-741 (Project A) and WS-742 (Project B). Construction will include excavation of existing water mains, installation of new pipes, select rehabilitation of existing pipes, replacement valves and hydrants, replacement of lead (Pb) water service lines of two inches diameter or less to connect from the water main to the customer water meter, pressure testing, backfill of the excavation required for piping work, and restoration of each work site. All work to be performed within the existing road right-of-way. The impact of the project will be improved customer satisfaction and safe, reliable service delivery of potable water to customers. The temporary impact of construction activities will be minimized through mitigation measures specified in the contract documents. Adverse impacts on historical, archaeological, geographic, or cultural areas are not expected. This project is necessary to ensure that DWSD will consistently and reliably provide high quality potable water to Detroit residents. The Project Plan describes water mains in critical need of replacement or rehabilitation. The total cost of this project is currently estimated at approximately \$19.5 million for Project A and \$19.5 million for Project B; a total of \$39 million which is being sought through the DWSRF program. The water main replacement/rehabilitation inclusive of lead water service line replacement work is eligible for participating under the State of Michigan low interest DWSRF loan program. The Public Meeting will present a description of the recommended projects, estimated costs, noting no potential impact for customers. The current rate structure and lease agreement payments will cover the cost. The purpose of the meeting is not only to inform, but to seek and gather input from people that will be affected. Comments and viewpoints from the public are encouraged.

THE PROJECT PRESENTATION AND PUBLIC COMMENT WILL BE DURING THE BOARD OF WATER COMMISSIONERS MEETING ON:

DATE: Wednesday, March 20, 2024

PLACE: Detroit Water and Sewerage Department
Water Board Building
735 Randolph, 5th Floor, Board Room
Detroit, Michigan 48226

TIME: 2:00 p.m.

Call in using your phone: 301-715-8592

Zoom Meeting ID: 815 7263 5118
Zoom Passcode: 482262021

To attend online:

Zoom link: <https://cityofdetroit.zoom.us/j/81572635118>
Use Passcode: 482262021

Information on the Project Plan will be available for review after March 1, 2024 at the following locations:

1. City Website: detroitmi.gov/dwsd
2. By email request: sonali.patel@detroitmi.gov
3. In person at the Water Board Building

If you have questions or want to submit written statements for the Public Meeting, call or write:

Call: 313-782-2477
Email: sonali.patel@detroitmi.gov
Mail: Sonali Patel
Detroit Water and Sewerage Department
735 Randolph, Suite 901
Detroit, MI 48226

Written comments will be accepted at the above address if received prior to 2:00 p.m. EST, Wednesday, March 20, 2024.

Participating in Public Comment During the Public Hearing

You may provide your public comment in-person or via Zoom (see below).

In-person attendees

- If you want to make public comment, complete the form available in the Board Room and it will be provided to the Chair. The Chair will call on you during the appropriate time.
 - We respectfully request that you maximize your three minutes by sharing all your comments/questions at one time.
 - You will only be called upon once for public comment.
 - Once the chair closes public comment, there will be no other comments from the public accepted and all public attendees will not be acknowledged during the remainder of the meeting.

Attending via Zoom

- During the public comment section, raise your hand using the Zoom hand icon on your desktop or mobile device, or if calling into the meeting by phone, press *9 to raise your hand (press *6 to unmute when called upon).
- We respectfully request that you maximize your three minutes by sharing all your comments/questions at one time.
- You will only be called upon once for public comment.
- Once the chair closes public comment, there will be no other comments from the public accepted and all attendees will remain muted for the duration of the meeting.

City of Detroit Water and Sewerage Department
Gary Brown, Director