



Deephaven Lift Station L48 Improvements Open House



July 9, 2024

Project Team

Tiffany Troudt

- Project Manager, Metropolitan Council

Ron Grajczyk

- Construction Contract Administrator, Metropolitan Council

Cori Wallis

- Construction Contract Administrator, Metropolitan Council

Keena Ghazi

- Lead Inspector, Metropolitan Council

William Lueck

- Design Engineer, SEH Engineering

Agenda

- What is the Metropolitan Council?
- Project information
- Impacts to the community
- Project benefits to the community
- Schedule
- Project communications
- Questions

Metropolitan Council

Wastewater and Water Mission

We partner, plan, and provide services to protect our region's water.

WHO WE SERVE

7-county Twin Cities Metro Area

111 communities

2.8 million people

OUR FACILITIES

9 water resource recovery facilities

634 miles of interceptors

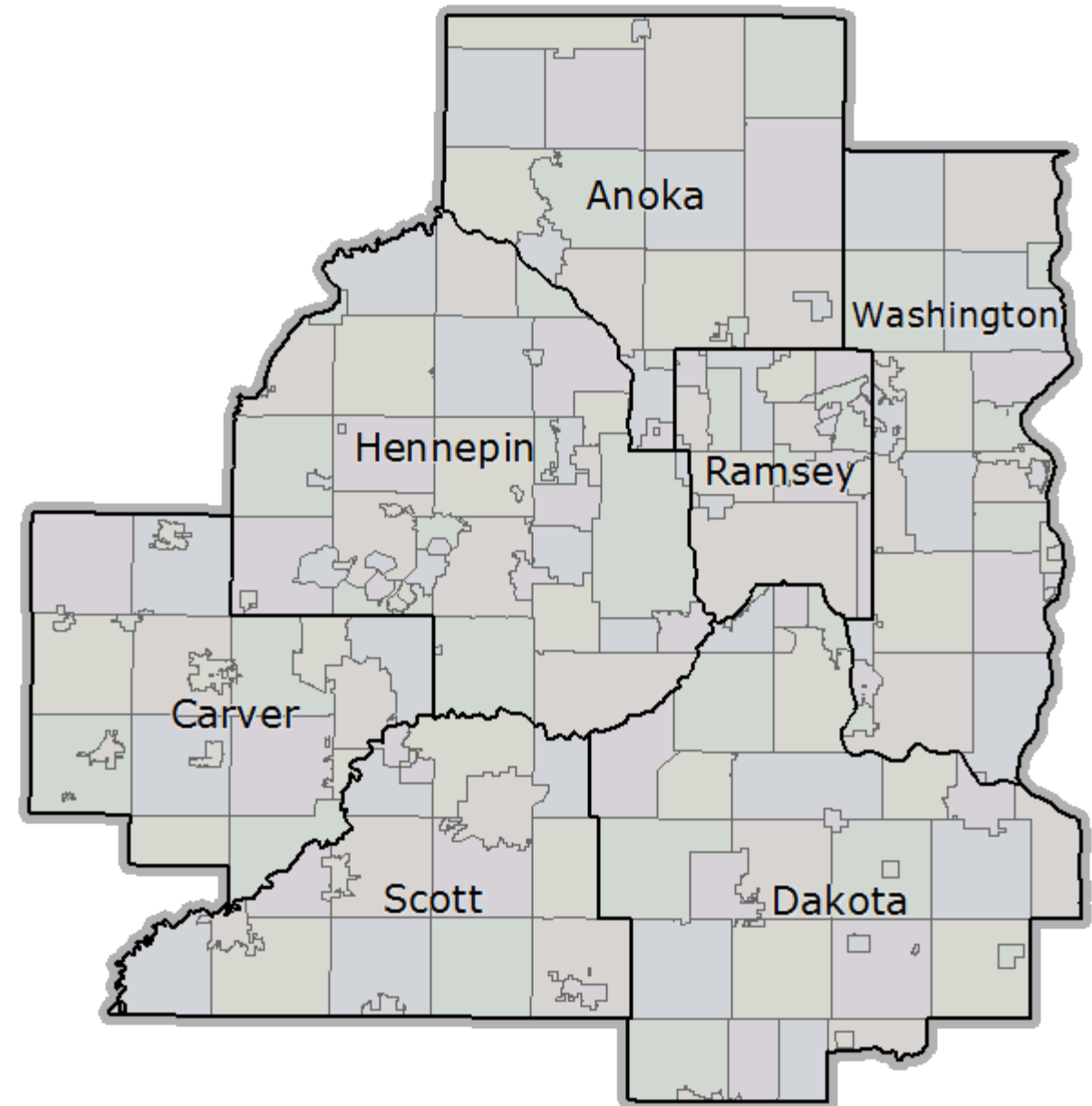
250 million gallons per day (avg)

OUR ORGANIZATION

600+ employees

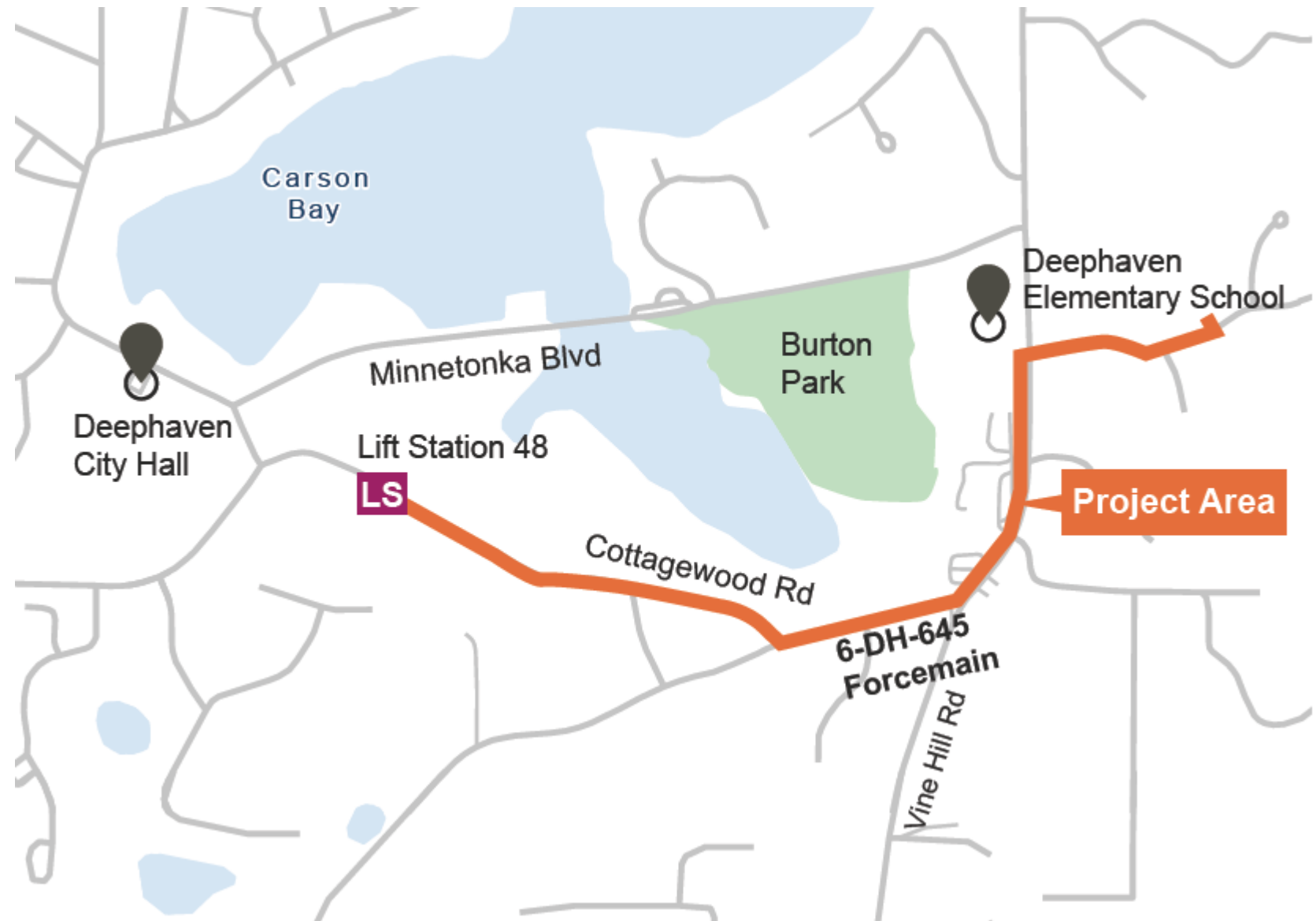
\$9 billion in valued assets

\$350 million/year budget



Project Information

- Lift Station L48 requires rehabilitation
 - Replacing valves, pumps, and pipes
 - Electrical and site work
- Forcemain 6-DH-645 (a pressurized sanitary sewer pipe) is reaching the end of its service life and requires replacement
- Both L48 and Forcemain 6-DH-645 are located in the City of Deephaven



Types of Work: Open Cut

What it is

- Replace gravity sewer pipe and watermain
- Replace all access structures along the sewer pipe

Advantages

- Access to all existing utilities
- Short time frame

Location

- Ridgewood Road



Types of Work: Directional Drill

What it is

- An underground tunnel is drilled, and a sewer pipe is pulled through
- New access structures along this pipe will be installed

Advantages

- Minimal disruption
- Eco-friendly
- Fast and easy
- Cost-effective
- Versatile

Location

- Cottagewood Road



Types of Work: Cured-In-Place Pipe (CIPP)

What it is

- Inserting and running a felt lining into a pipe needing repair
- Resin in the lining is exposed to a curing element to make it attach to the inside of the pipe
- Once cured, the lining acts as a new pipe

Advantages

- Minimal disruption
- Eco-friendly
- Fast and easy
- Cost-effective
- Versatile

Location

- Cottagewood Road



Types of Work: Structures

Access structures (manholes)

- New structures to access the new pipes
- Excavators dig the new structures



Temporary Conveyance System

- Reroutes wastewater from the original pipe into temporary pipe during construction.
- Temporary pipes will lay on the ground.
- Requires a temporary pumping station to pump the flow out from the original pipe into the temporary pipe above ground.
- Pipes will be buried under driveways/roadways to allow access for residents and businesses.
- A short-term closure of the road or driveway will be required to bury the pipes.



Impacts to the Community

We will do our best to minimize impacts, but some temporary inconveniences may occur:

- Traffic control; interim traffic disruptions and detours
- Presence of construction equipment and noise during construction working hours
- Odors, including a plasticky resin smell from a pipe-lining procedure
- Watermain shutoffs

The project team will communicate impacts directly with Deephaven Elementary (including the bus system) and emergency responders.

Residents and businesses may sign up for notifications on the project web page.

Detour Map

Stage 1 – Mid-August to Fall 2024

Stage 2 – Summer 2025

Stage 3 – Winter 2024 – Spring 2025

Stage 4 – Winter 2024 – Spring 2025

Restoration – Fall 2025



Project Benefits to the Community

- Continuous, reliable, long-term service for local and regional sewage flows
- Up-to-date, efficient wastewater treatment system to help ensure clean water for future generations
- Improved water quality in the region



Schedule



Project Communication

Email and hotline

- Monitored during business days
- Connect@DeephavenL48Improvements.com and 952-952-9912

Web page

- Hosts project information and latest updates
- Feature to sign up for updates

Email and text updates

- Sign-up on web page
- Updates sent regarding potential project impacts

Web page

The screenshot shows a web browser window with the URL <https://metro council.org/Wastewater-Water/Projects/Sewer-Planning-Construction-Updates/Projects/DeephavenL48-802834.aspx>. The page features a blue navigation bar with links for 'About Us', 'Meetings and Committees', 'Data & Maps', 'Contracting Opportunities', 'Jobs', and 'Contact Us'. Below this is a secondary navigation bar with categories: 'PLANNING', 'COMMUNITIES', 'HOUSING', 'PARKS', 'TRANSPORTATION', 'WASTEWATER & WATER', and a search bar. The main content area is titled 'DEEPHAVEN LIFT STATION L48 IMPROVEMENTS' (ES Project No. 802834). A red 'Project Alert' icon is present, with the text 'Project Update - Coming soon. See previous Project Updates below.' Below this, a paragraph explains that users can sign up for updates via email or text. A 'Project Description' section follows, detailing the project's scope: 'Metropolitan Council Environmental Services (ES), operator of the metro area wastewater collection and treatment system, has aging sanitary sewer infrastructure that needs improvement. The project will include the rehabilitation of Lift Station L48, which pumps wastewater from the neighborhood to a water resource recovery facility - replacing valves, pumps, and pipes as well as electrical and site work. The project will also include the replacement of a connected pressurized sanitary sewer pipe that carries wastewater, which was built in 1970 and is reaching the end of its service life.' A bullet point links to a 'Deephaven Lift Station L48 Improvements Project Information Sheet (PDF)'. At the bottom, it states 'The project is anticipated to start in August 2024 and be complete in 2025.' On the right side, there are three sidebar boxes: 'CAPITAL IMPROVEMENT PROGRAM' (ES Program 8028), 'CONTACT US' (with email 'Connect@DeephavenL48Improvements.com' and phone '952-952-9912'), and 'ENEWSLETTER / TEXT' (with a 'Sign up for email or text alerts' button). A blue arrow points from the text 'Sign up for updates!' to the newsletter button.

WASTEWATER & WATER +

Projects +

Sewer Planning & Construction Updates

DEEPHAVEN LIFT STATION L48 IMPROVEMENTS

ES Project No. 802834

Project Alert

Project Update - Coming soon. See previous [Project Updates](#) below.

To receive project updates via email or text, sign up using the E-newsletter/SMS subscription form on the right.

Project Description

Metropolitan Council Environmental Services (ES), operator of the metro area wastewater collection and treatment system, has aging sanitary sewer infrastructure that needs improvement. The project will include the rehabilitation of Lift Station L48, which pumps wastewater from the neighborhood to a water resource recovery facility - replacing valves, pumps, and pipes as well as electrical and site work. The project will also include the replacement of a connected pressurized sanitary sewer pipe that carries wastewater, which was built in 1970 and is reaching the end of its service life.

- [Deephaven Lift Station L48 Improvements Project Information Sheet \(PDF\)](#)

The project is anticipated to start in August 2024 and be complete in 2025.

CAPITAL IMPROVEMENT PROGRAM

ES Program 8028


CONTACT US

Contact project staff with questions or concerns about this construction project.

Email: Connect@DeephavenL48Improvements.com

Phone: 952-952-9912

ENEWSLETTER / TEXT

 [Sign up for email or text alerts](#)

Sign up for updates!

Thank you

Ron Grajczyk

Construction Contract Administrator
Metropolitan Council

Keena Ghazi

Lead Inspector
Metropolitan Council

