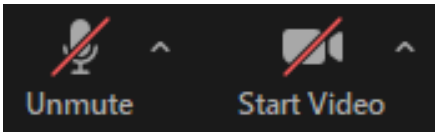
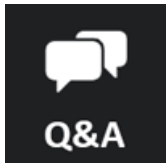


# Welcome to the

## Interceptor Chemical Odor and Corrosion Control Public Information Meeting



You are muted and your video is disabled upon entry.



Please utilize the QA (lower right corner of the screen) to type in comments or questions throughout the session. Questions will be answered after the presentation during the Q & A session.



Use the raise hand function to be unmuted to verbally ask a question.



Callers use \*6 to raise hand to be unmuted to ask a question



If you experience any technical difficulties, please call or text 612.394.6037 or email [info@mcesodorcontrol.org](mailto:info@mcesodorcontrol.org).

## The meeting will begin at 6 p.m.

# MCES Interceptor Chemical Odor and Corrosion Control Public Information Meeting

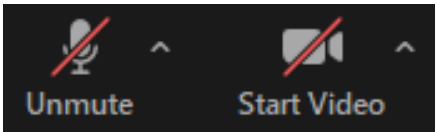
Tim O'Donnell, Senior Information Coordinator  
Lisa Wolfert, Principal Environmental Scientist  
Bob Johnson, Project Manager

Public Information Meeting  
4/08/2021

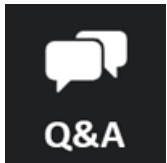


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## The meeting will begin at 6 p.m.

Meet the presenters of the

# **Interceptor Chemical Odor Control Project Public Information Meeting**



**Tim  
O'Donnell**



**Lisa  
Wolfert**



**Bob  
Johnson**

# Public Information Meeting Purpose

- Provide information and answer any questions about the proposed Interceptor Chemical Odor and Corrosion Control project.
- Describe process to procure a design-build contract and an ongoing operation and maintenance contract.
- Contract will include all new non-proprietary equipment, double-wall heat traced tanks and piping
  - Improve overall system functionality
  - Competitive proposal market
- Show locations of each site and equipment

# Public Hearing

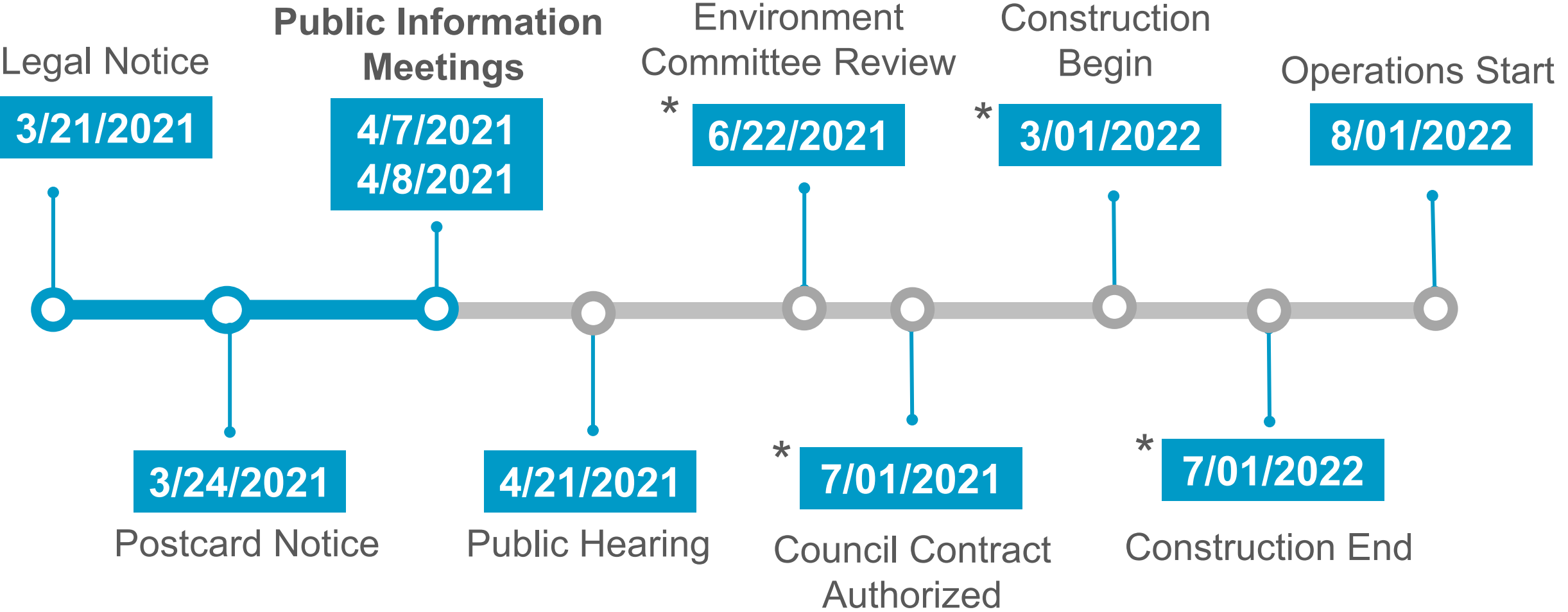
April 21, 2021

Hearing starts at 6 p.m.

Comments from public following presentation

- A Public Hearing is legally required for design-build contracts and MCES has determined it is in our best interest to choose a design-build contract for this work.
- All comments and questions received will be documented and presented to the Metropolitan Council as it determines whether to approve and proceed with the project.

# Public Notices & Schedule

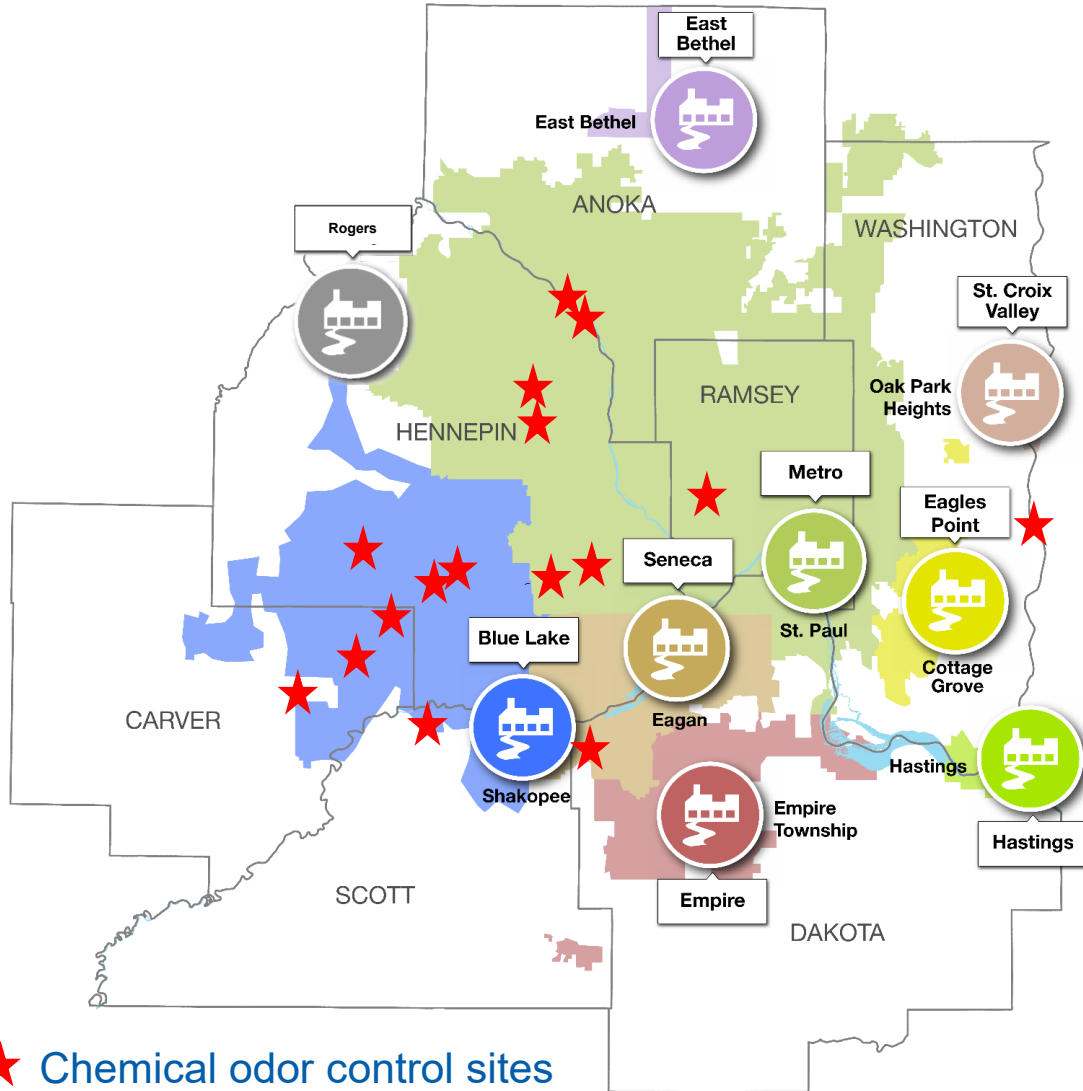


\* - Date Estimated



# Service Area and Facilities

## Wastewater Treatment Plant Locations



We serve ~50% of Minnesota's population

### WHO WE SERVE

7- county Twin Cities Metro Area

110 communities

3,000 square miles

2,700,000+ people

### OUR FACILITIES

9 wastewater treatment plants

640 miles of interceptors

61 lift stations (pumping stations)

250 million gallons per day (average)



# Terms & Definitions

- **Wastewater Sewer System:** A system of underground pipes that carries wastewater (or sewage) away from buildings. Cities operate their own local wastewater sewer systems within a community. MCES operates the regional wastewater sewer system that carries wastewater from city systems to our treatment plants, similar to how a freeway system carries regional traffic.
- **Interceptor Sewers:** A system of underground pipes that carries wastewater (or sewage) from local community wastewater sewer systems to regional treatment plants.
- **Lift Station:** Pump station that assists the movement of wastewater in the interceptor system by gravity or pressure.
- **Meter Station:** Station that records the flowrate of wastewater in the interceptor system. Can be located at a Lift Station or an independent station or vault.
- **Calcium Nitrate:** Naturally occurring compound that reduces hydrogen sulfide odors and minimizes corrosion in the interceptor system
- **Carbon Air Filtration:** Air filtration system installed at some interceptor system vent locations.

# Procurement Need

**MCES proposes entering into two contracts with a single Contractor to support chemical odor and corrosion control within the regional interceptor sewer system.**

**The proposed contracts include:**

- 1. A design-build contract to provide engineering and construction services for the initial replacement of 16 odor and corrosion control systems currently located within the interceptor sewer system.**
- 2. A contract for operations and maintenance of odor and corrosion control systems. This contract will be for 10 years with two potential 5-year renewals.**

**The contracts will replace an existing arrangement with a vendor providing similar services.**

# What is Interceptor Odor Control?

- Majority of odor is produced in sewer system by bacteria
- Hydrogen sulfide is a byproduct and the predominant odorant
- Hydrogen sulfide can move from liquid to vapor (air) phase
- Multiple ways and technologies to prevent odors from escaping, no one-size-fits-all



# Odor Control – Vapor/Liquid Phase

- Vapor phase – Odorous air pulled from sewer and passed through media bed
- Liquid phase is preventative measure
- Liquid phase – chemical injection
- Both odor control systems are located strategically and used together





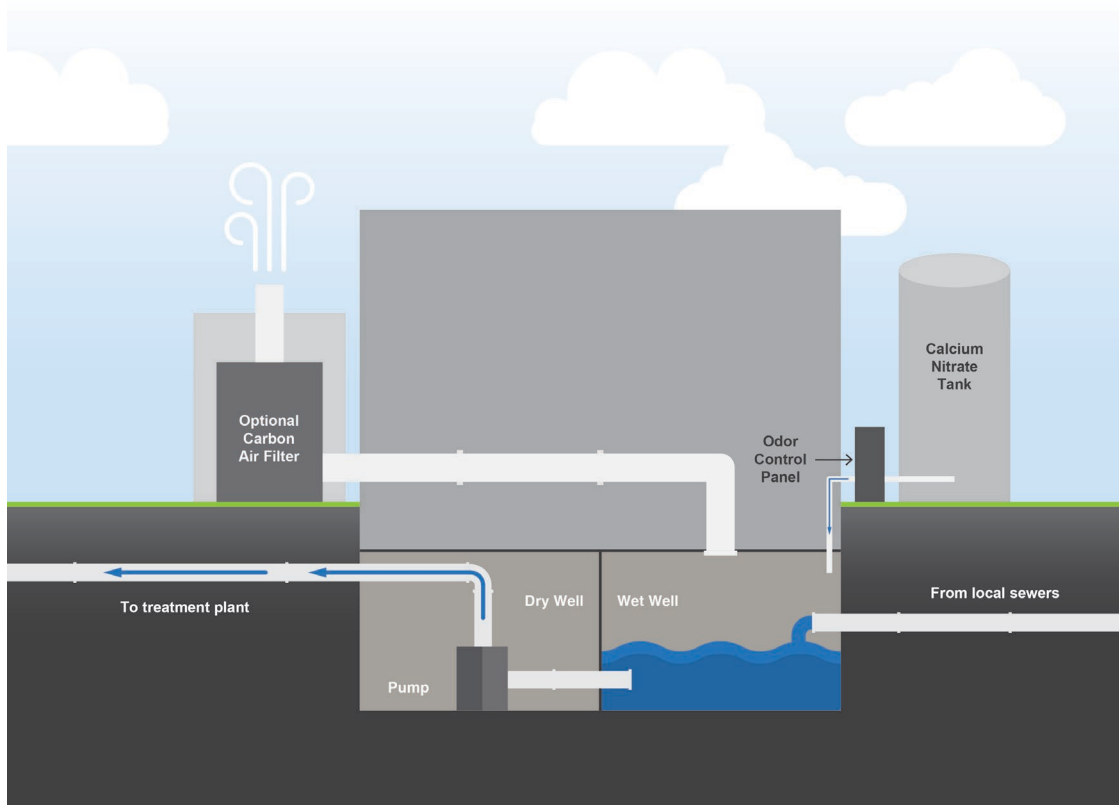
# Existing Interceptor Chemical Odor Control



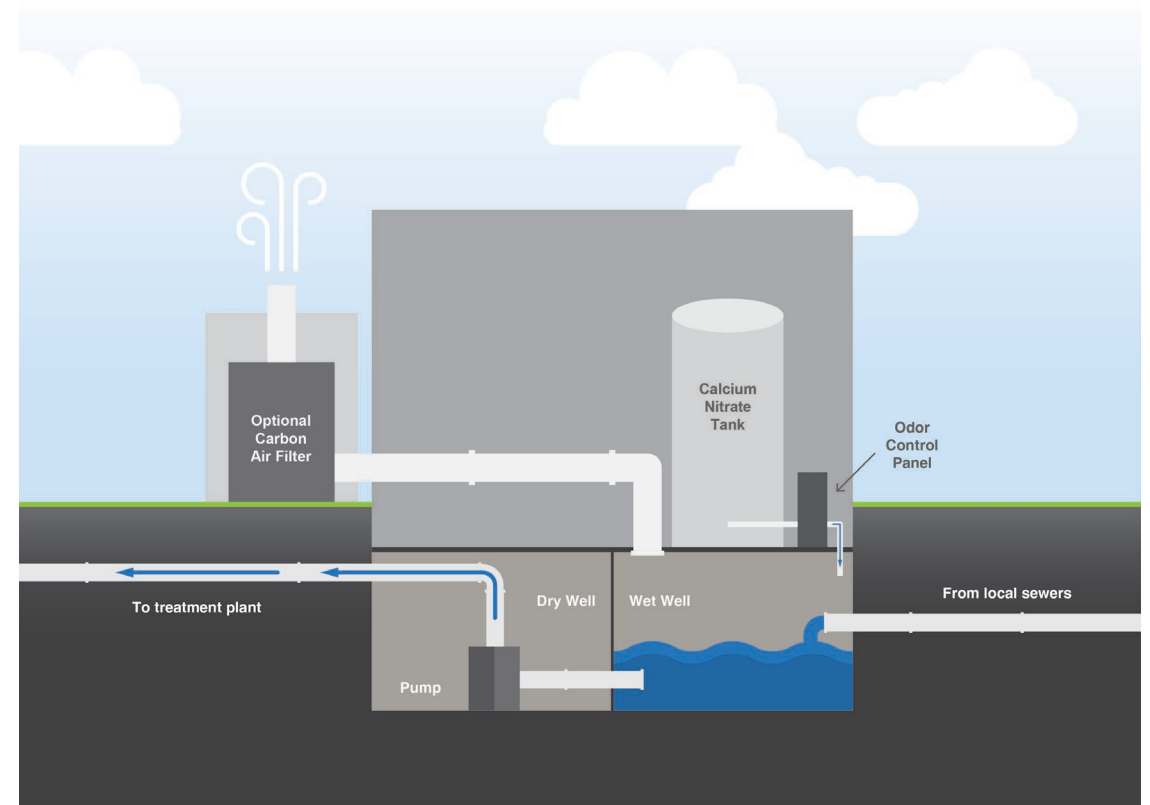
- 16 Chemical Feed Sites to address odor issues downstream
- Primarily at wastewater pumping stations (also known as lift stations) and meter stations
- Liquid calcium nitrate injected into wastewater flow
- Calcium nitrate is a natural compound that reduces hydrogen sulfide odors and minimizes corrosion
- Liquid stored on site (interior or exterior) and can be above ground or below



# Typical Lift Station Chemical Odor Control

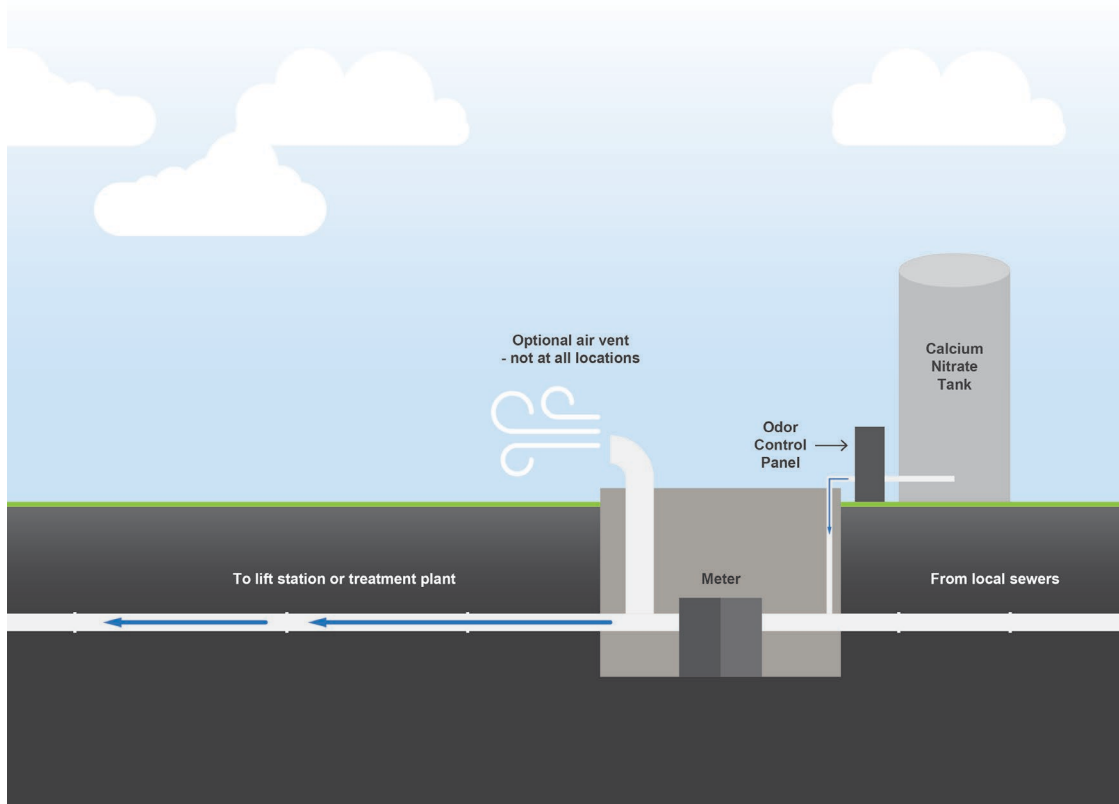


Exterior at wastewater pump station

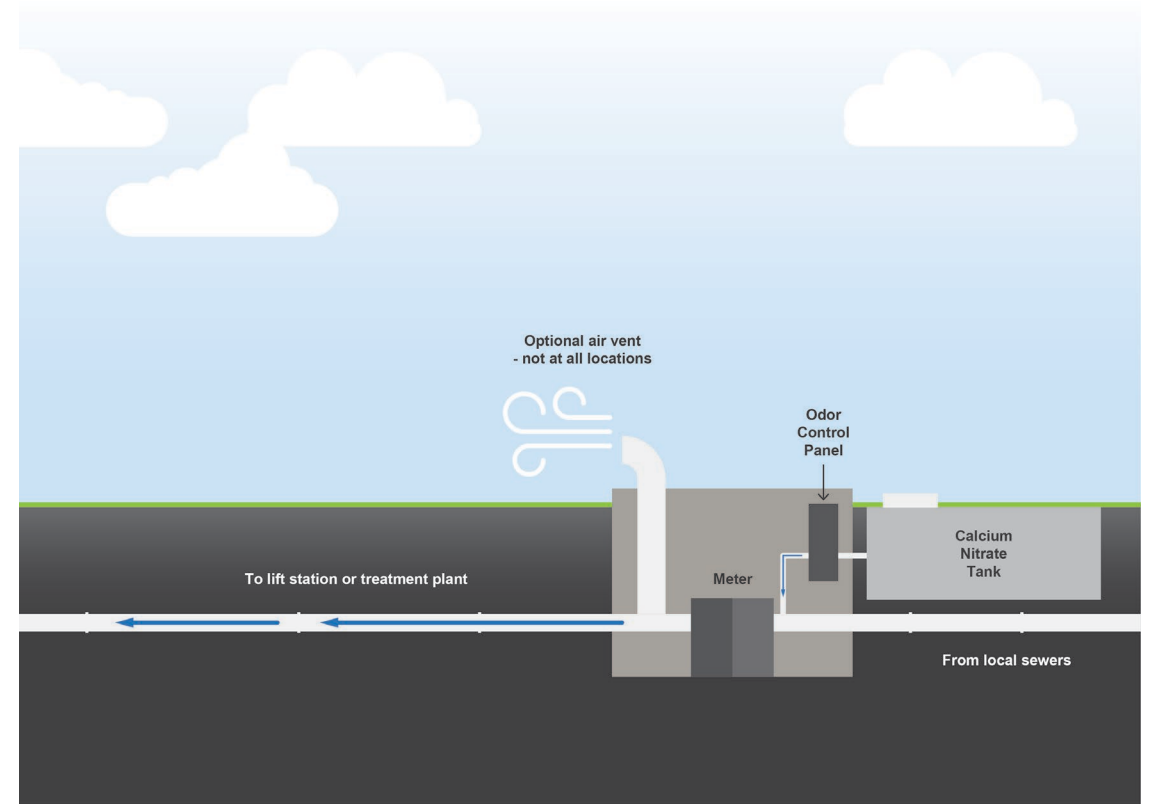


Interior at wastewater pump station

# Typical Meter Station Chemical Odor Control



Exterior at wastewater meter station



Interior at wastewater meter station



# Site Activities with Interceptor Odor Control

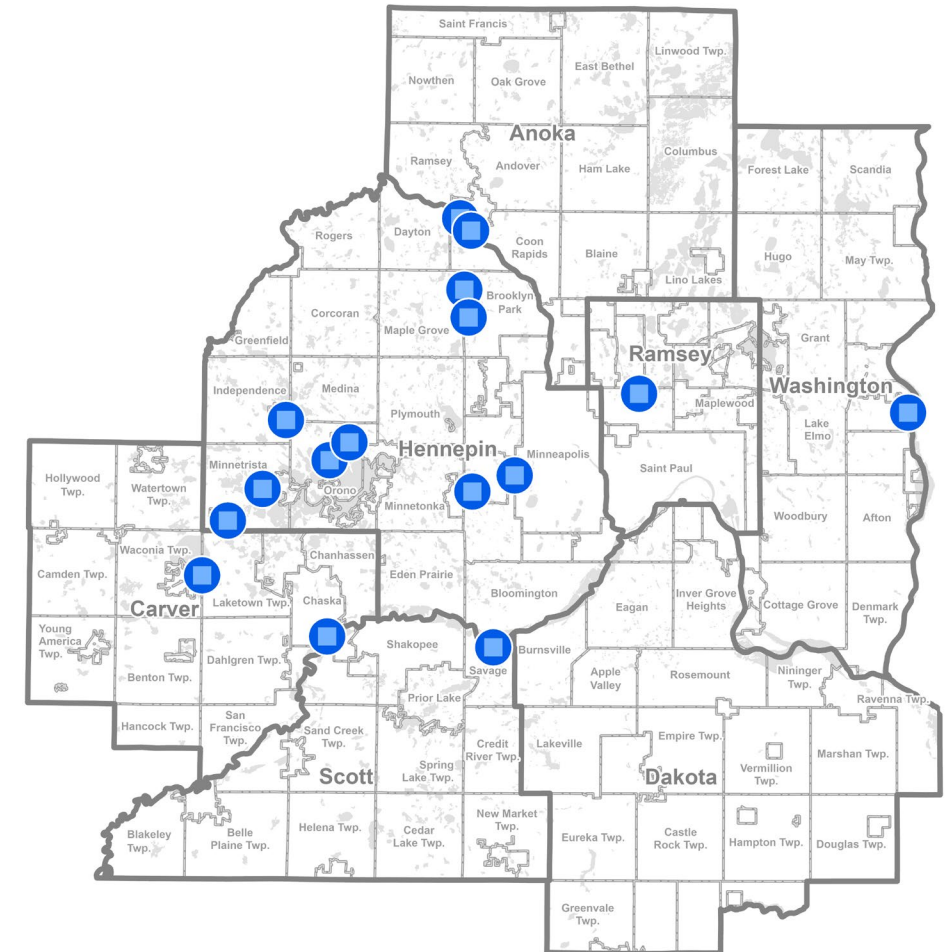


- On-site minor construction at each site, likely between March 2022 – July 2022
- New contract includes exterior storage tanks and piping have heating elements to prevent freezing in cold weather (double-wall, insulated, heat traced)
- Staff on-site for startup and to optimize chemical dosing
- Routinely check and maintain the sites as needed, weekly at each site
- Calcium nitrate storage tanks are filled monthly, depending on usage



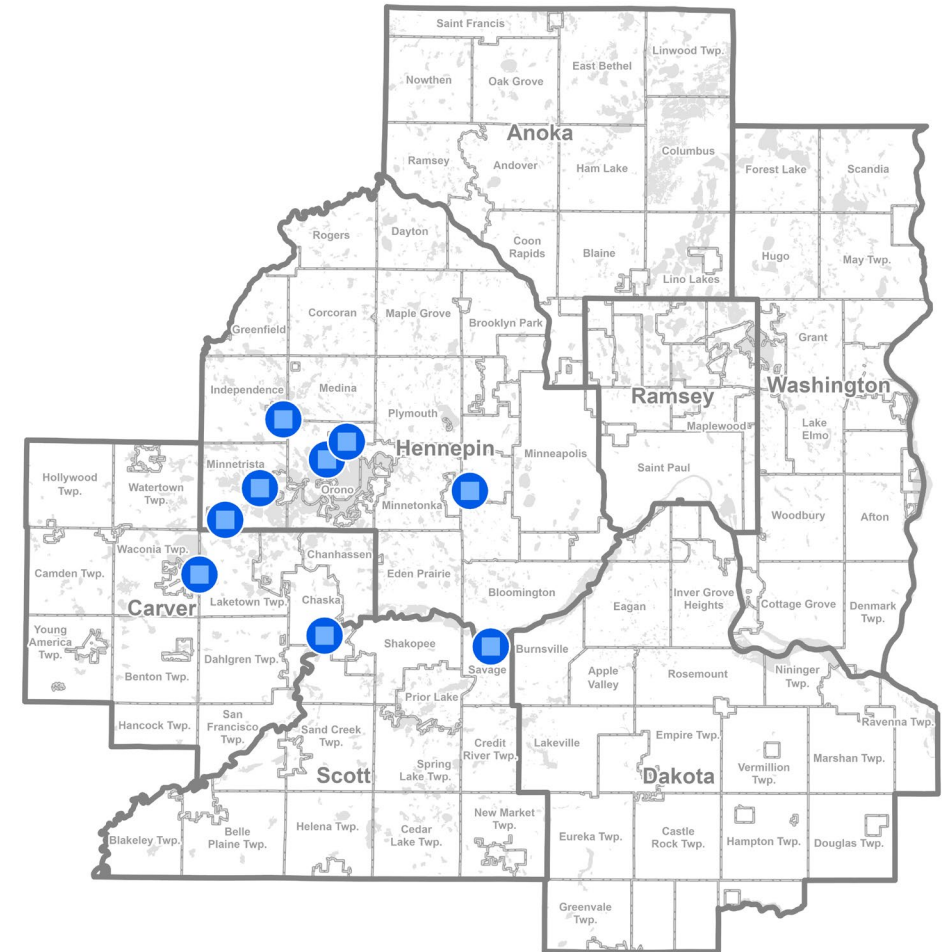
# Odor Control Locations

Site	Location	Status
L-24	4340 Highland Rd., Minnetrista	Existing
L-27	402 Hiawatha Ave., Hopkins	Existing
L-38	6270 Westedge Blvd., Mound	Existing
L-42	2440 Porter Ave., Anoka	Existing
L-59	896 Old Crystal Bay Rd. S., Orono	Existing
L-60	1598 Stoneridge Cir., Long Lake	Existing
L-63	1280 Poplar Ave., Maple Plain	Existing
L-66	6220 125th St. W., Savage	Planning
L-67	1480 South Ferry Rd., Anoka	Existing
L-68	498 Maine St. S., Bayport	Existing
L-70	9615 Highway 5, Laketown Township	Existing
L-71	600 4th St. E., Chaska	Existing
Roseville	Cottontail Park, Roseville	Existing
M-132	France Ave. S. and Lake St. W., St. Louis Park	Existing
M-224	Cul-de-sac on 83rd Ave. N. near Highway 169, Brooklyn Park	Planning
M-232	9850 Jefferson Highway N., Brooklyn Park	Existing



# April 8<sup>th</sup> Meeting - Odor Control Locations

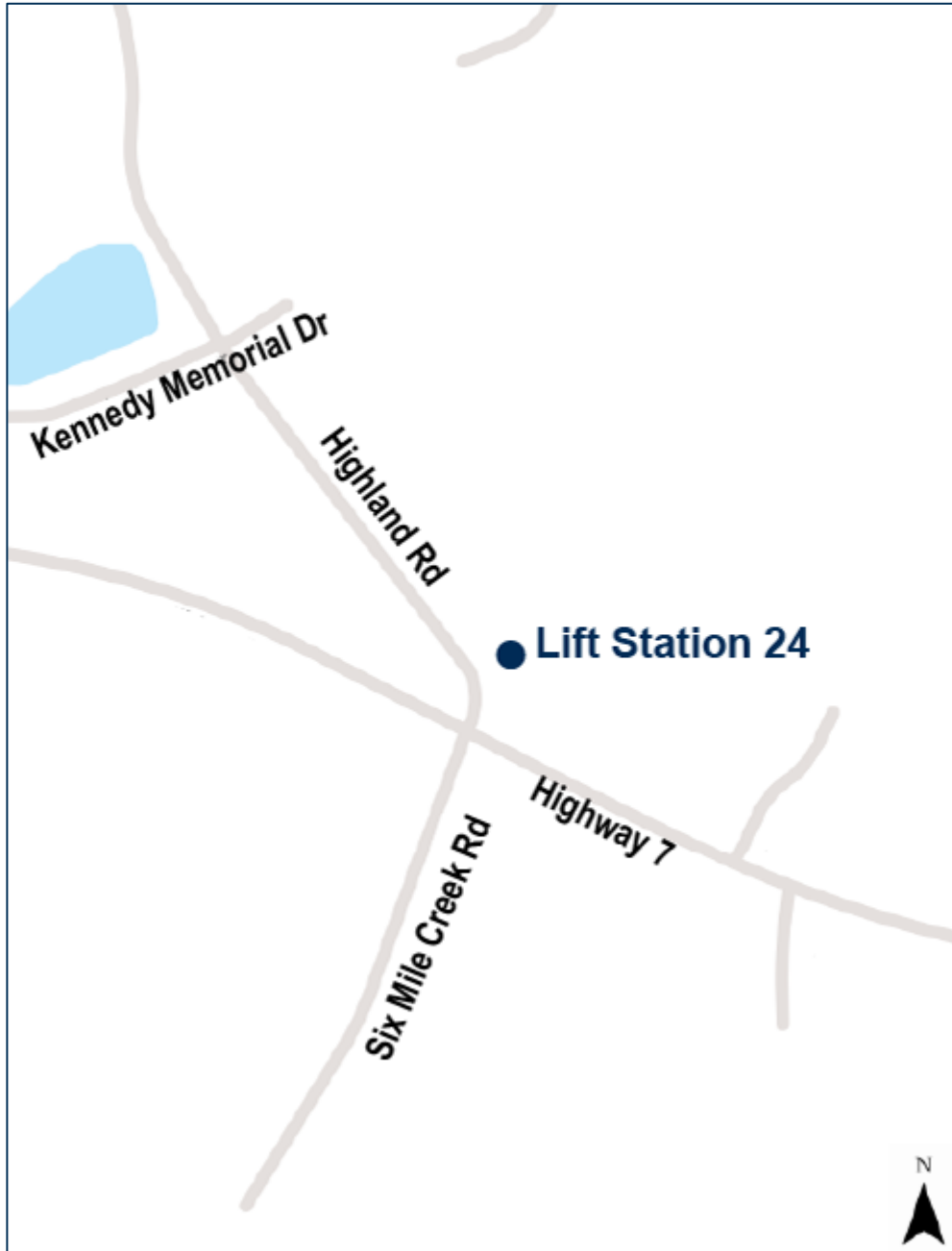
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L-70	9615 Highway 5, Laketown Township	Existing
L-71	600 4th St. E., Chaska	Existing





# Lift Station 24

4340 Highland Rd., Minnetrista



# Lift Station 27

402 Hiawatha Ave., Hopkins



# Lift Station 38

6270 Westedge Blvd., Mound







# Lift Station 59

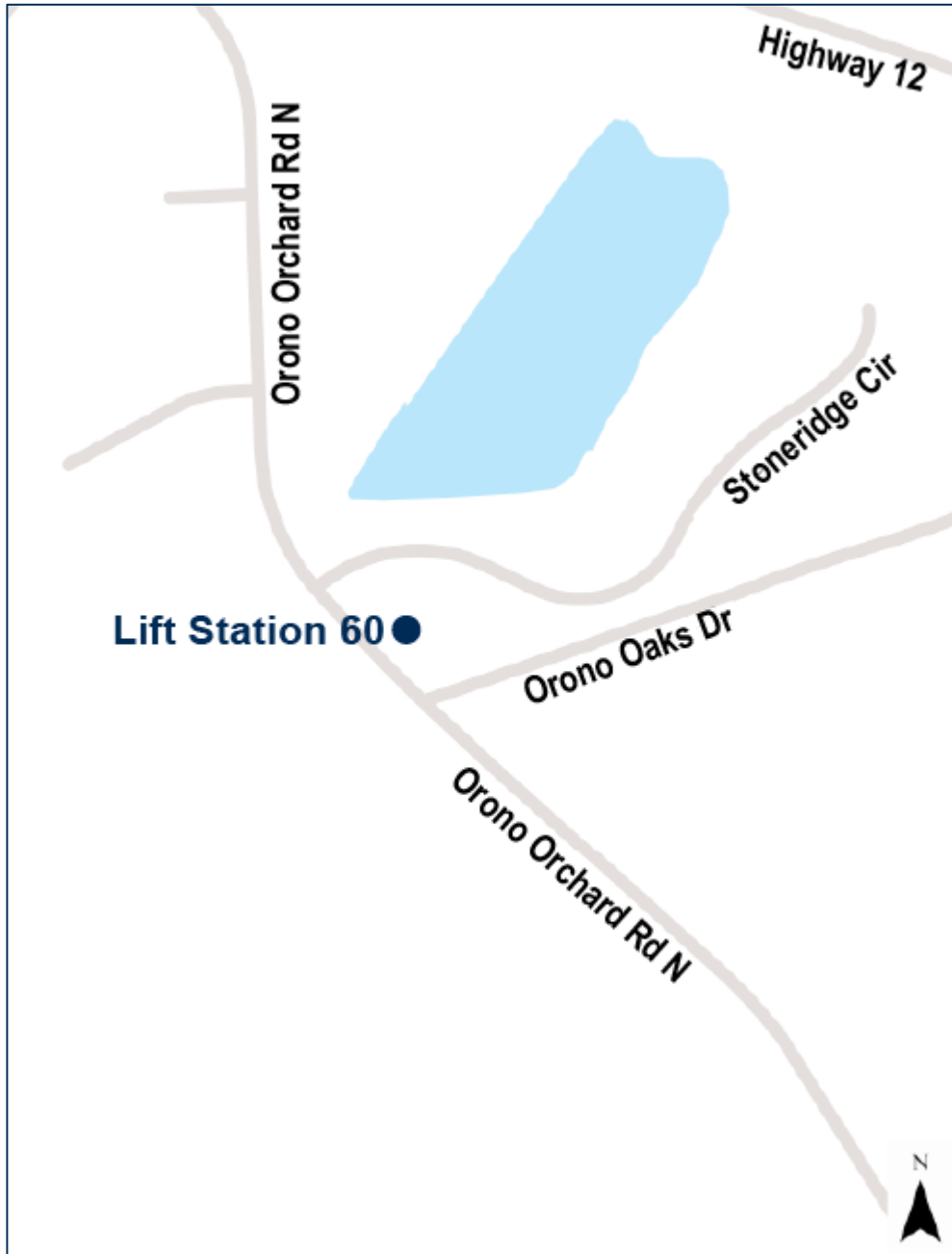
896 Old Crystal Bay Rd. S., Orono





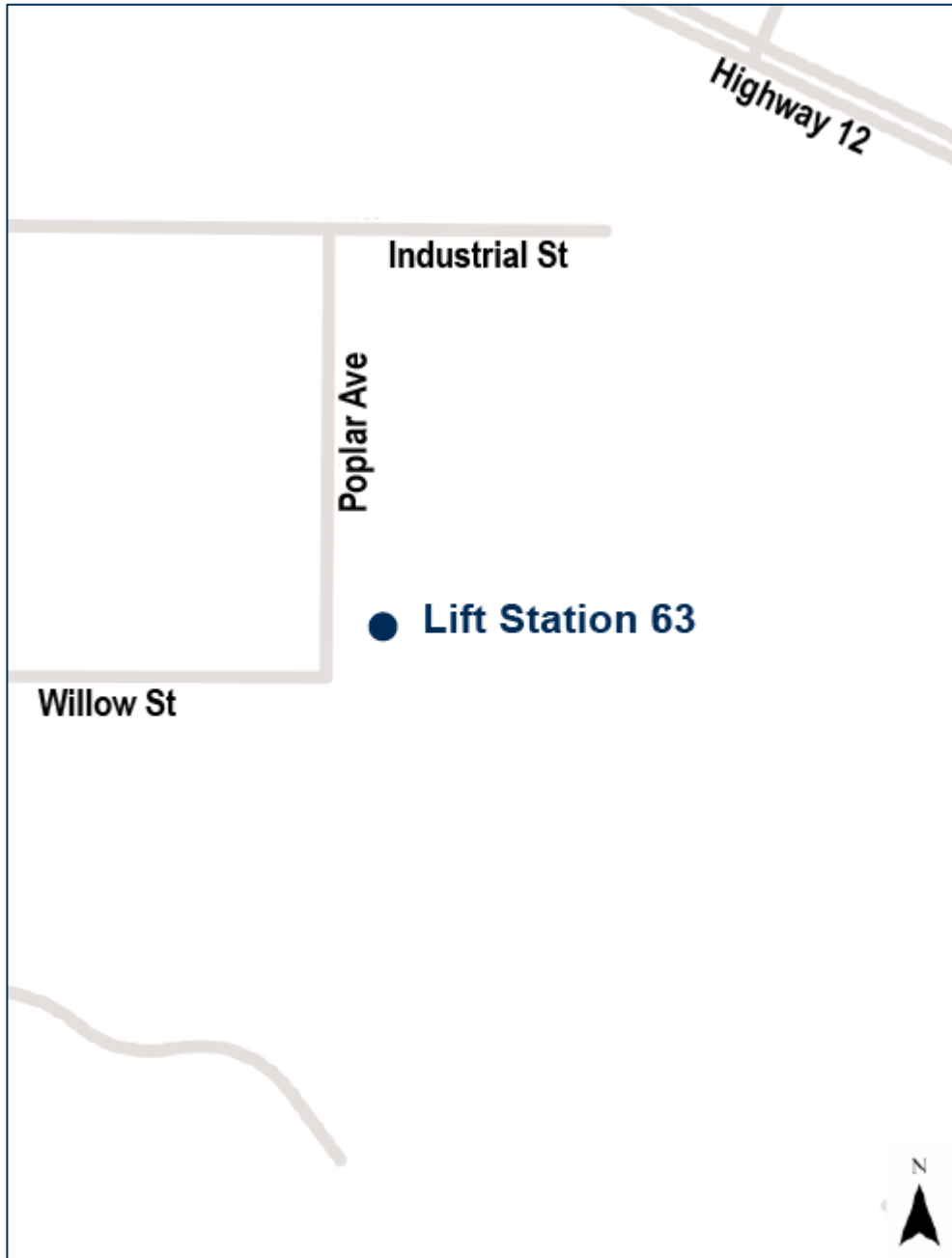
# Lift Station 60

1598 Stoneridge Cir., Long Lake



# Lift Station 63

1280 Poplar Ave., Maple Plain

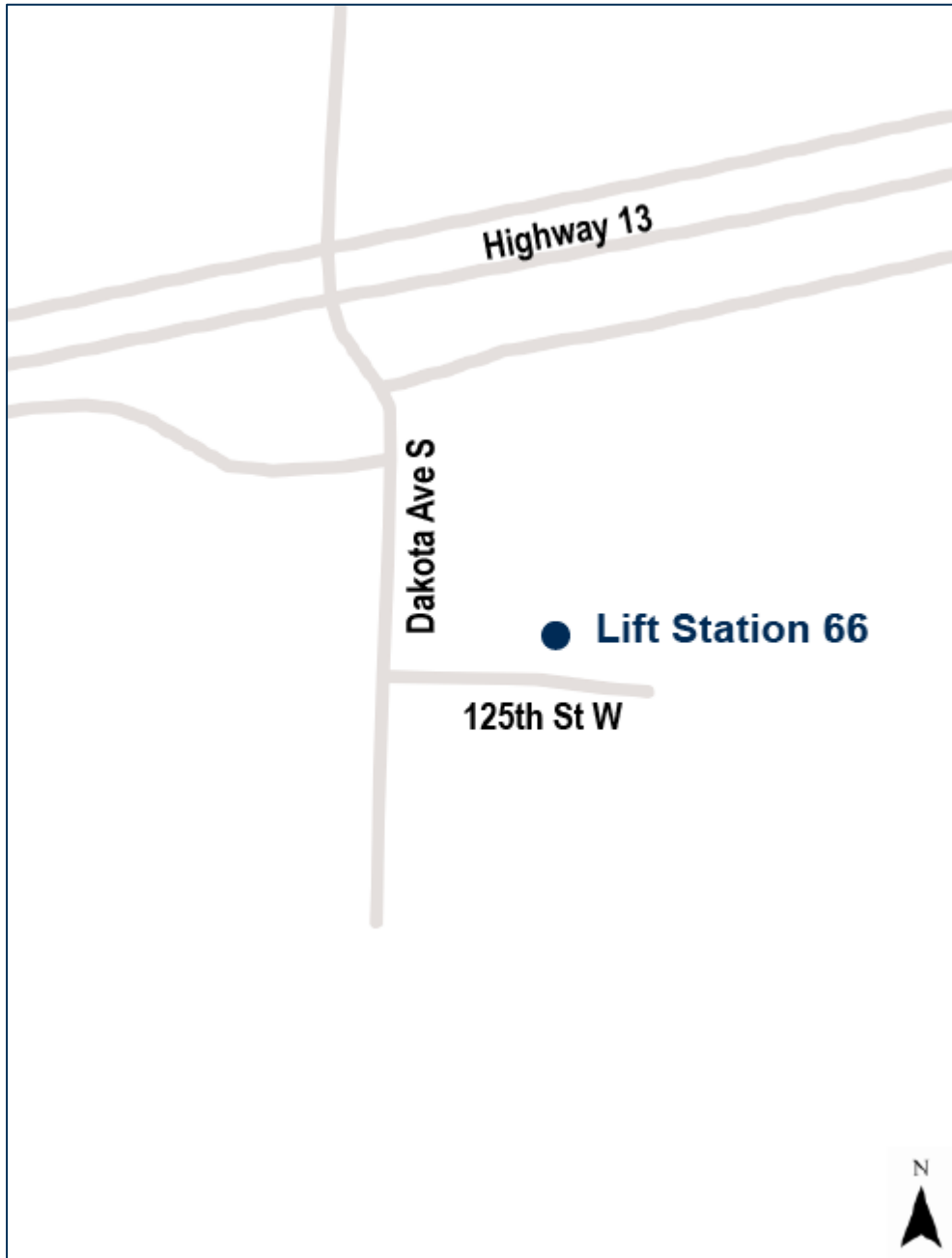


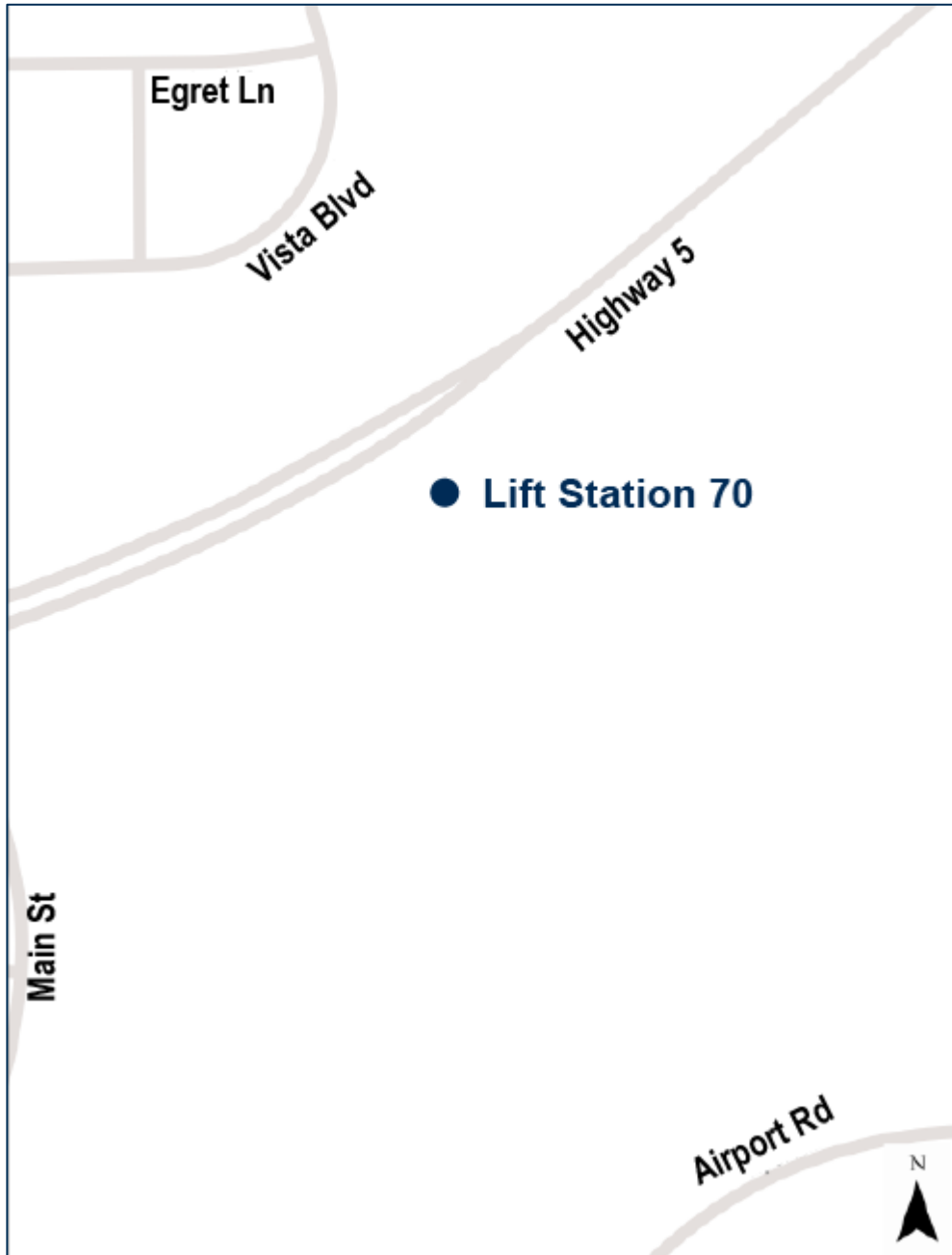


# Lift Station 66

**6220 125th St. W., Savage**

- Odor control in planning





# Lift Station 70

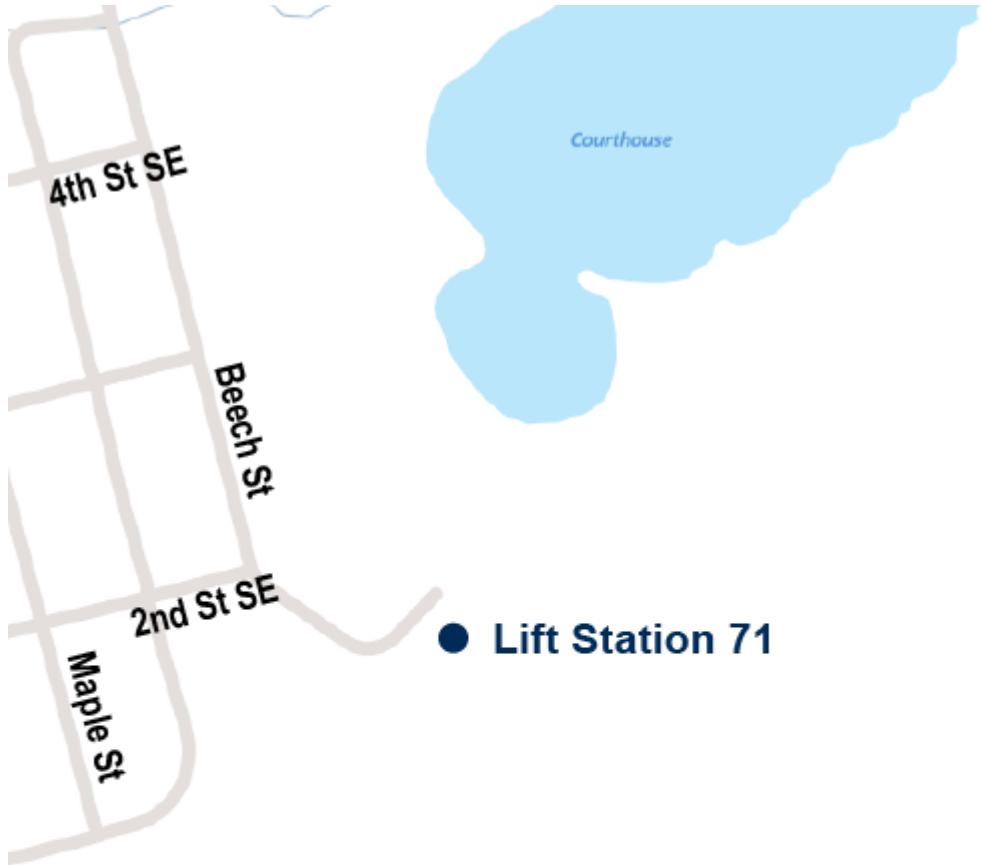
9615 Highway 5, Laketown Township



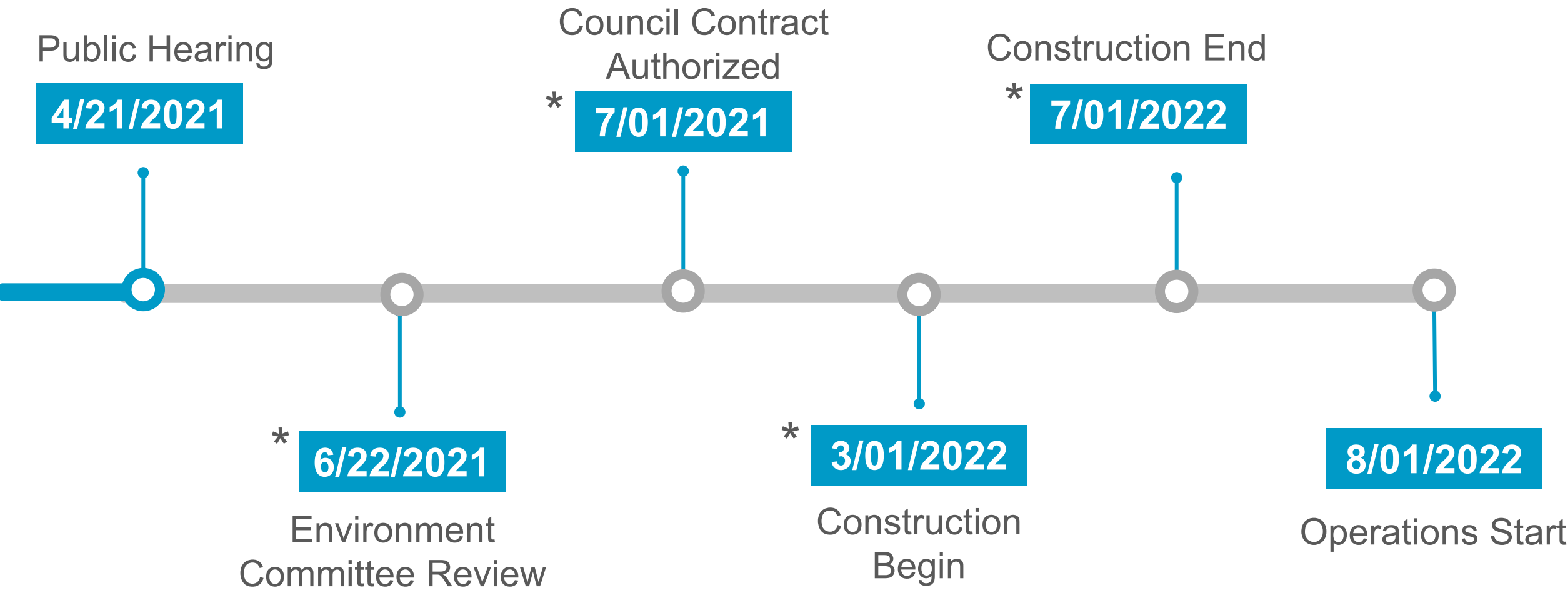


# Lift Station 71

600 4th St. E., Chaska



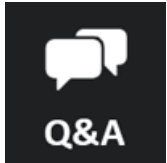
# Next Steps



\* - Date Estimated

# How to Ask Questions

## Computer, Smartphone and Tablet Users:



Use the QA box to  
type in questions  
and comments



Use the raise hand  
function to be unmuted  
and speak aloud



Email your question or  
comment to  
**[info@mcesodorcontrol.org](mailto:info@mcesodorcontrol.org)**

## Phone Users:



Use \*6 to raise hand



# Stay Informed

## Share questions and comments

 Email: [info@mcesodorcontrol.org](mailto:info@mcesodorcontrol.org)

 Call the Public Comment Line: **(651) 286-8462**

 **[MetroCouncil.org/sewerconstruction/odorcontrol](http://MetroCouncil.org/sewerconstruction/odorcontrol)**

**Thank you for participating  
in our Public Information Meeting**



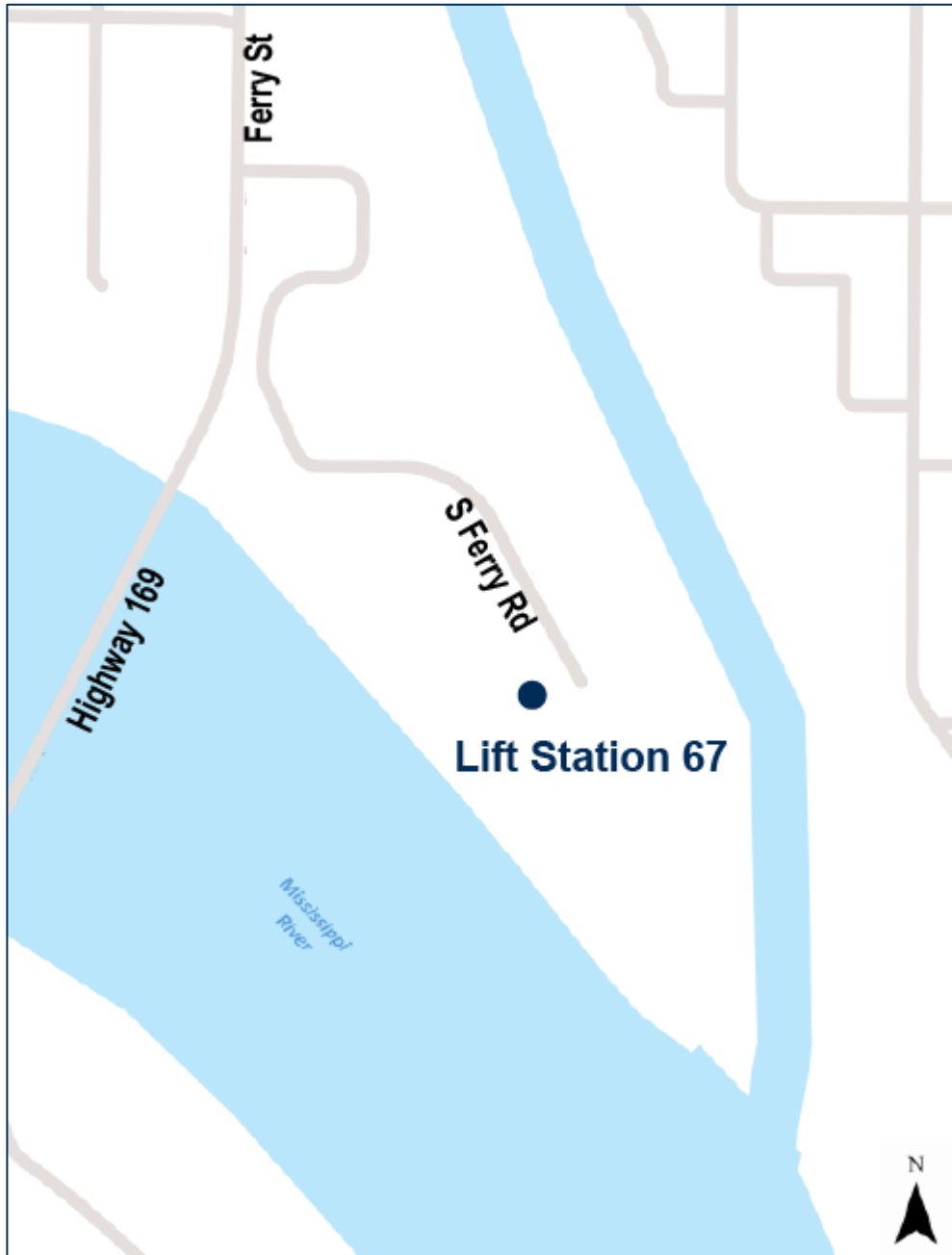
# BACKUP SITE SLIDES

# Lift Station 42

2440 Porter Ave., Anoka







# Lift Station 67

1480 South Ferry Rd., Anoka



# Lift Station 68

498 Maine St. S., Bayport





# Roseville Site

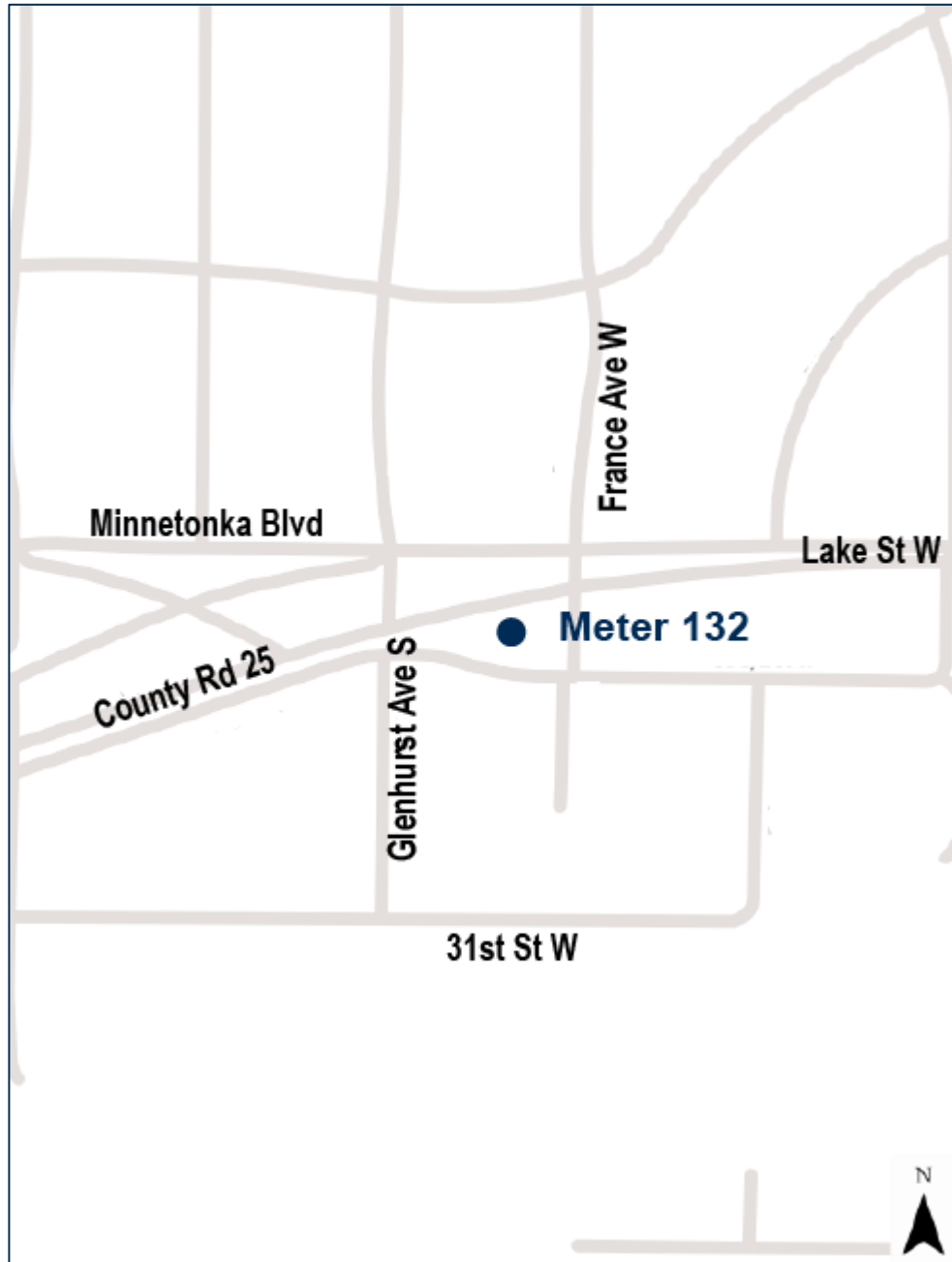
## Cottontail Park, Roseville





# Meter 132

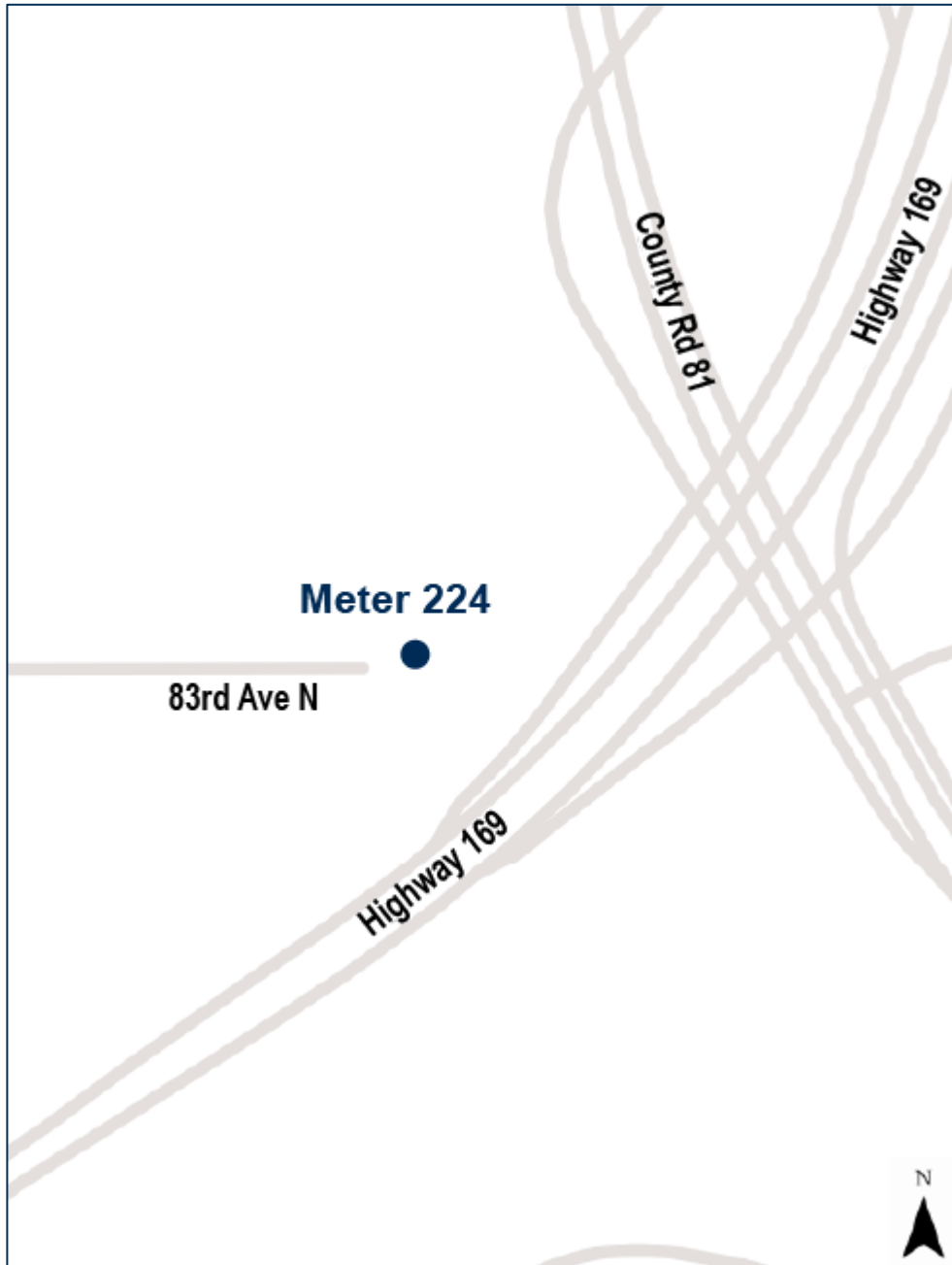
France Ave. S. and Lake St. W., St.  
Louis Park



# Meter 224

## Cul-de-sac on 83rd Ave. N. near Highway 169, Brooklyn Park

- Odor control in planning



# Meter 232

9850 Jefferson Highway N., Brooklyn  
Park

