

# City of Prior Lake Sanitary Sewer Cured-In-Place-Pipe (CIPP) Rehabilitation Project

September 20, 2023



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# Agenda

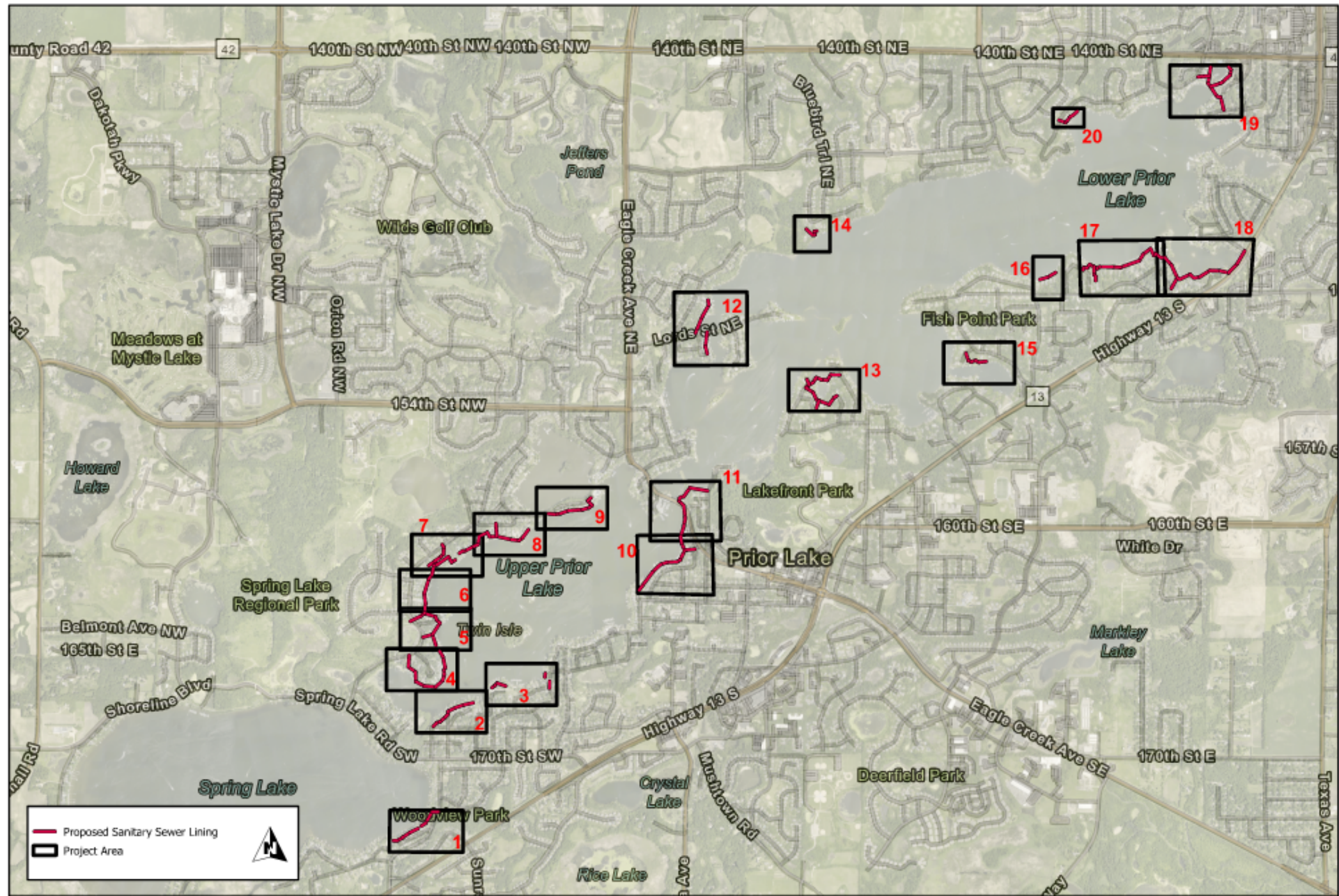
1. **Project Overview**
2. **Importance / Project Need**
3. **Cured-In-Place-Pipe (CIPP) Lining**
4. **Specific Project Areas**
5. **Project Schedule & Next Steps**

\*please add your name to the sign-in sheet

# Project Overview

- Sanitary sewer rehabilitation via Cured-In-Place-Pipe (CIPP) lining
- Condition Assessment
  - Televising existing sewer lines
  - Measurements for length of lining
  - Manhole to manhole work per segment
- 20 project areas

REDUCED TO 11 FOR CURRENT PROJECT IN 2024/25 AS OF MARCH 2024. OTHER PROJECT AREAS SCHEDULED FOR FUTURE PROJECT. SEE UPDATE NEXT PAGES OR WEBSITE: [www.sehinc.com/priorlakecipp](http://www.sehinc.com/priorlakecipp)



Project Number: XXXXX 00000  
 Print Date: 7/22/2023

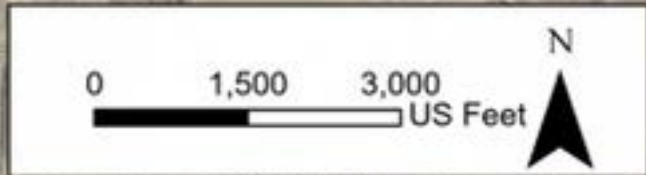
Map by: rhhbr  
 Projection:  
 Source:

2024 City of Prior Lake Sanitary Sewer  
 Cured-in-Place-Pipe (CIPP) Rehabilitation Project  
 Prior Lake, MN

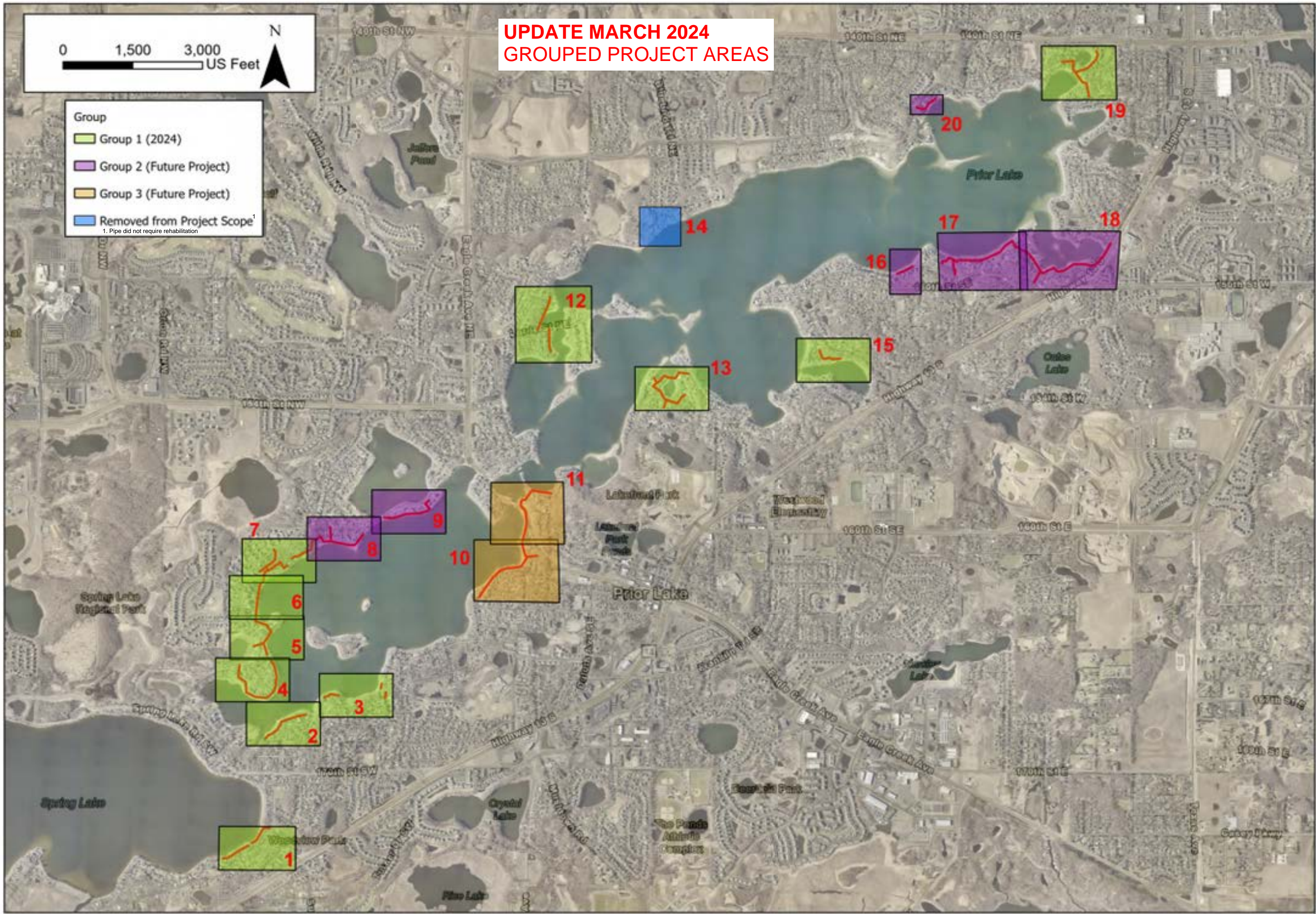
FIGURE 1  
 OVERVIEW



**UPDATE MARCH 2024**  
**GROUPED PROJECT AREAS**



- Group
- Group 1 (2024)
  - Group 2 (Future Project)
  - Group 3 (Future Project)
  - Removed from Project Scope<sup>1</sup>  
1. Pipe did not require rehabilitation



Path: X:\PT\PROJECTS\170895-Inv-dgrd51-drawing\06-cd2\Prior Lake\_170895\_Proposal\Prior Lake\_170895\_Proposal.aprx  
Date Saved: 3/5/2024 12:11 PM User Name: rdkler


DATE	3/5/2024
REVISION	PRIOR 173170
PROJECT	XXXX_X_XXXXXXX_EE
FILE NAME	
AEP	RJK
AEP	
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2024 SANITARY SEWER  
LINING PROJECT  
PRIOR LAKE, MN

OVERVIEW

# Importance/Project Need

- Preserve the integrity of the sanitary infrastructure
- Reduce inflow and infiltration (I/I)
- Maintain sewer capacity and flows
- Protect the lakes
- Alleviate maintenance concerns

# What is Cured-In-Place-Pipe (CIPP)

- Trenchless technology
- Repair existing pipes
- Fill a “sock” that takes the shape of the existing pipe and is injected with resin
- Resin solidifies and forms structurally sound pipe repair
- Temporary sewer bypass
- Times of no water usage

# Trenchless vs. Dig & Replace



- Potentially 2X the cost of trenchless method due to dewatering, temp bypass pumping, restoration costs
- Tremendous impacts to private property including several structures
- Highly disruptive to lakeshore & roads, erosion, etc.



# What are the Advantages of the Ultraviolet (UV) Light Curing Methods?

- Installation and curing equipment is very light, easily transported to back yards.
- No need to bring water in for curing.
- Environmentally friendly – resins still contain styrene, but the uncured resins are encapsulated with no potential to migrate, and very minimal resin odor
- Less risky installations in high groundwater conditions (when infiltration is present in system)
- Can televise the liner **before** it is cured. If there is a problem, it can be corrected easily prior to curing.

# Typical UV Cure CIPP Equipment



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# Example Project – Medicine Lake, MN



# Example Project – Medicine Lake, MN



# Project Schedule & Next Steps

- Field visits ongoing
- Final Design and preparation of plans for bidding – November/December 2023.
- Bidding services – February 2024 – for purposes of hiring a contractor to do the work.
- Construction period is scheduled for April-November 2024. Once a contractor is hired, we will have a more specific schedule.
- Neighborhood Meeting: Spring 2024 to discuss construction details, final schedule and answer any questions. We will have the contractor at this meeting for additional information.

SEE PROJECT WEBSITE FOR UP TO DATE  
SCHEDULE  
[www.sehinc.com/priorlakecipp](http://www.sehinc.com/priorlakecipp)

# Right of Entry Forms

- Access to some of the sanitary manholes will be required to facilitate the work.
- Right of Entry agreements will be established between homeowners and the City.
- Not all homes will require Right of Entry documents.

# Project Areas

- 20 project areas identified on the following pages
- Not everyone invited to this meeting is necessarily on the alignment – we wanted neighbors to understand what was happening as well

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# PROJECT AREA 1





# PROJECT AREA 2



# PROJECT AREA 3



# PROJECT AREA 4



# PROJECT AREA 5



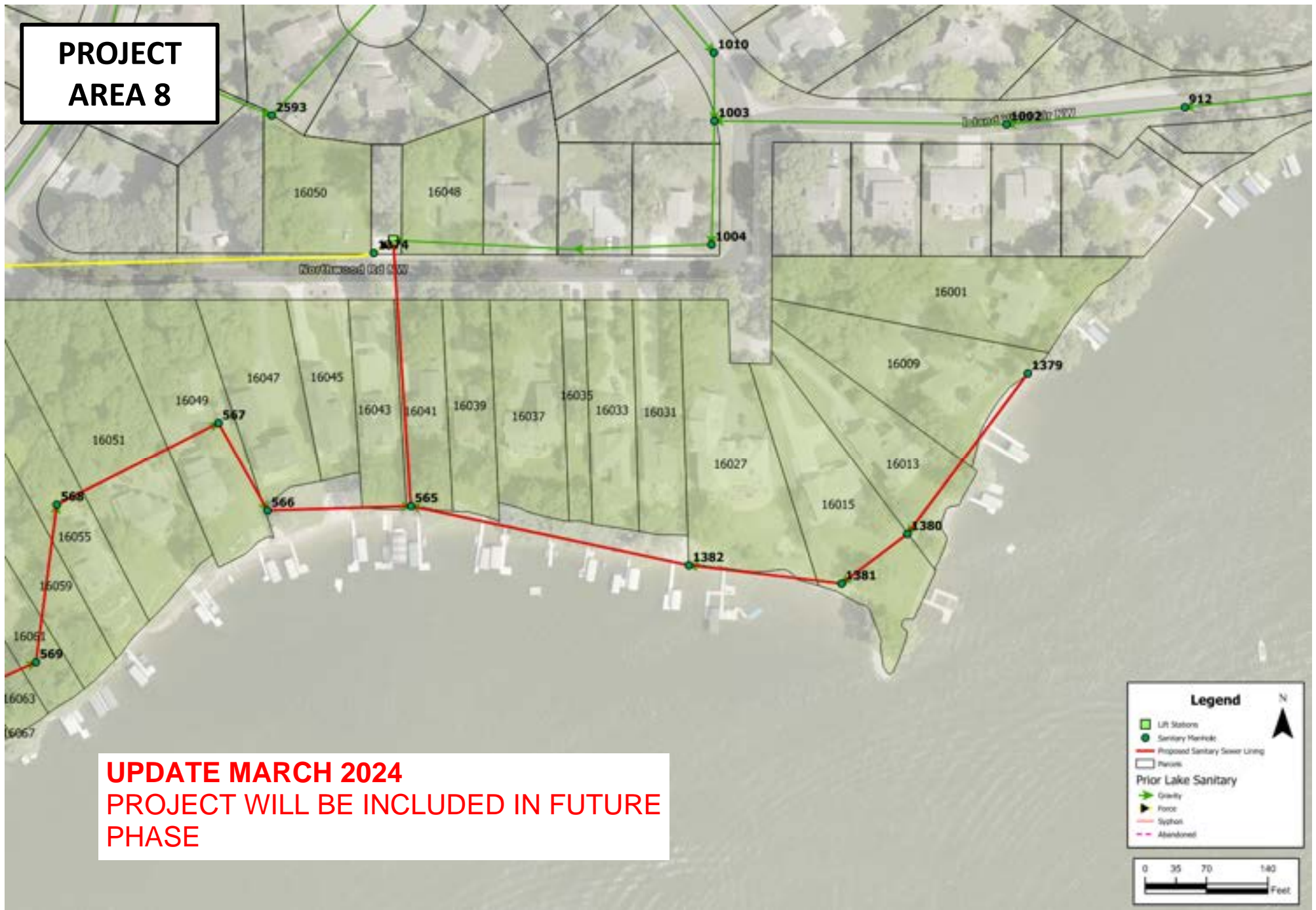
# PROJECT AREA 6



# PROJECT AREA 7



# PROJECT AREA 8



**UPDATE MARCH 2024**  
PROJECT WILL BE INCLUDED IN FUTURE PHASE

# PROJECT AREA 9

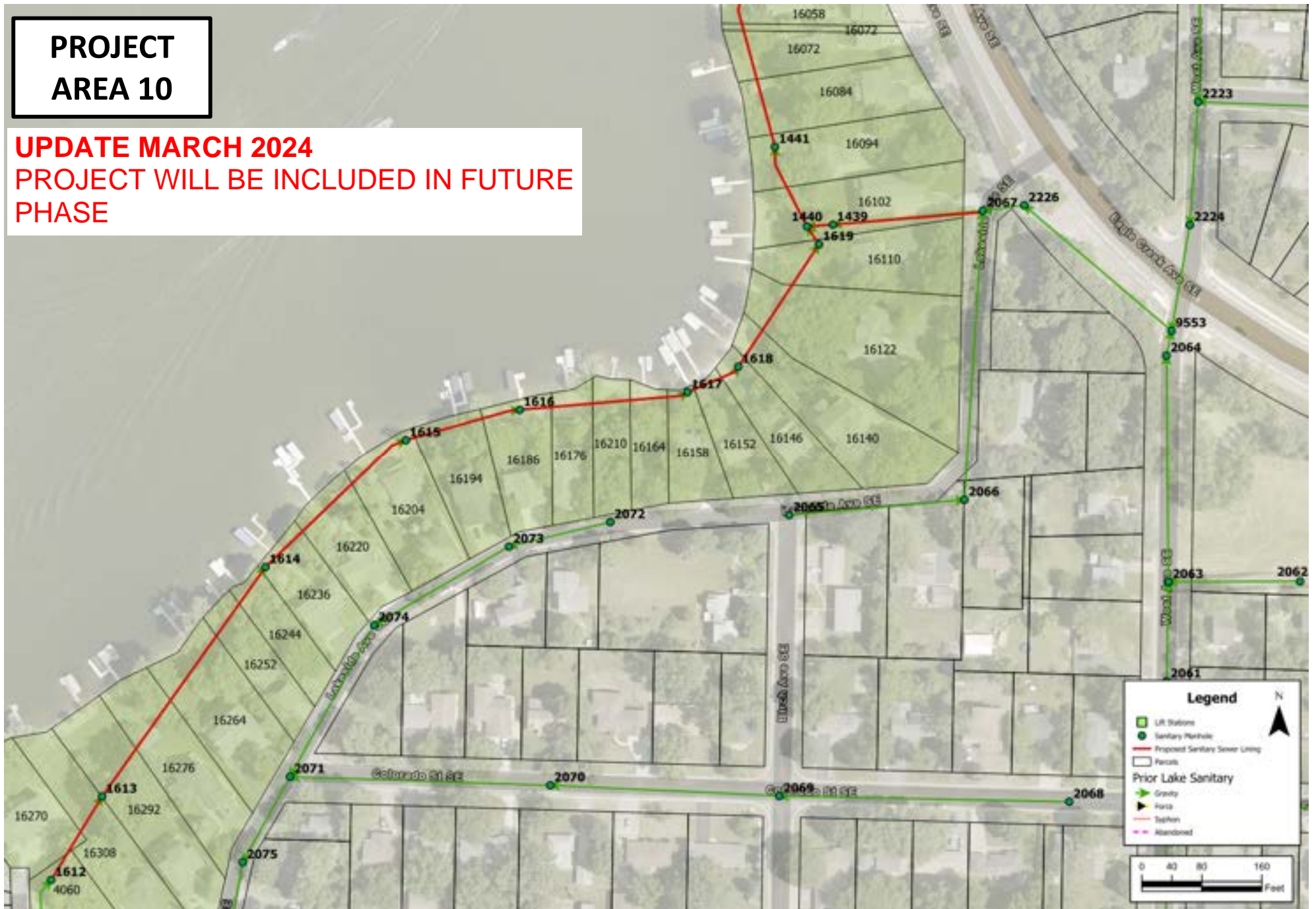


**UPDATE MARCH 2024**  
PROJECT WILL BE INCLUDED IN FUTURE  
PHASE



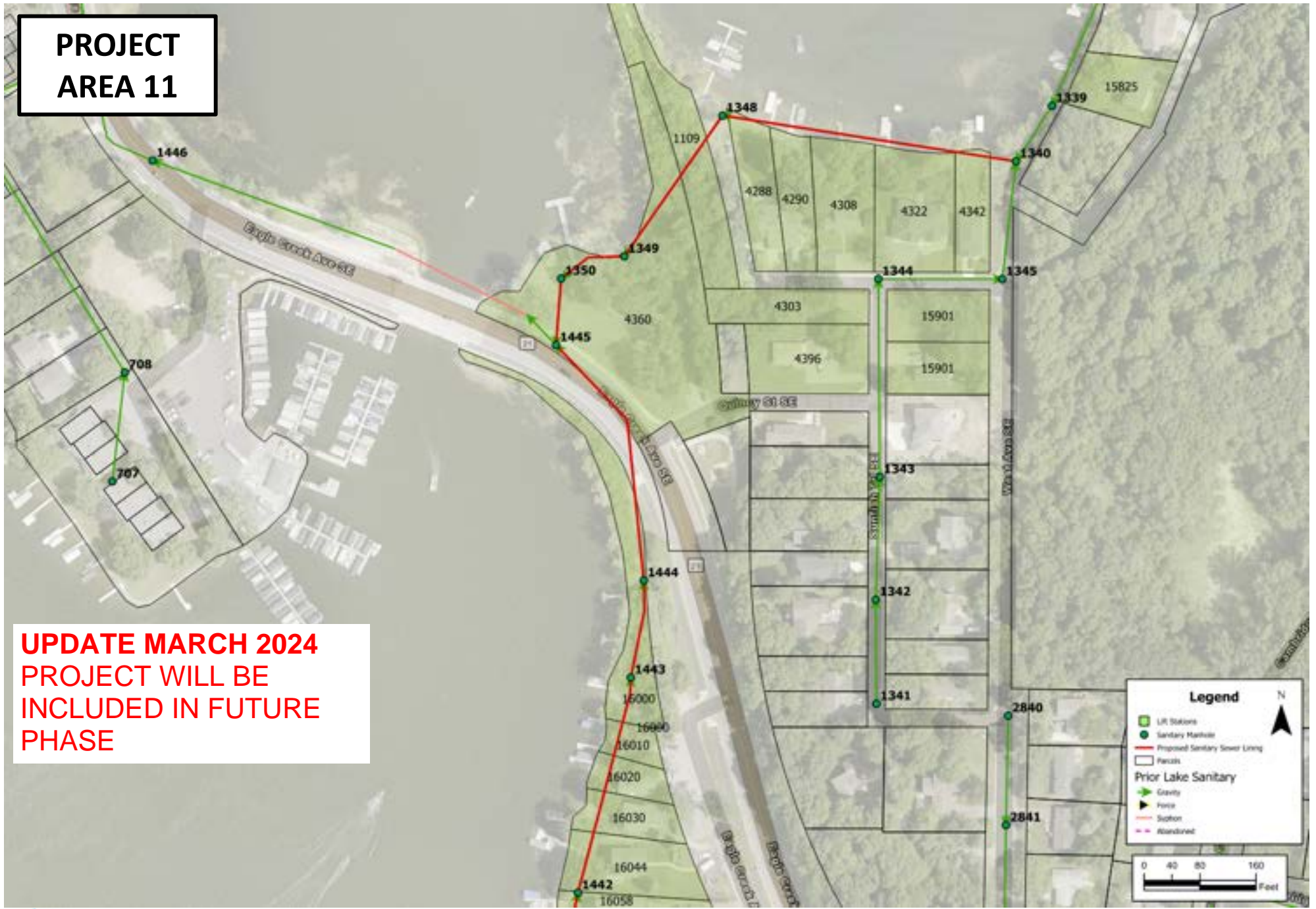
# PROJECT AREA 10

**UPDATE MARCH 2024**  
PROJECT WILL BE INCLUDED IN FUTURE PHASE



# PROJECT AREA 11

**UPDATE MARCH 2024**  
PROJECT WILL BE  
INCLUDED IN FUTURE  
PHASE



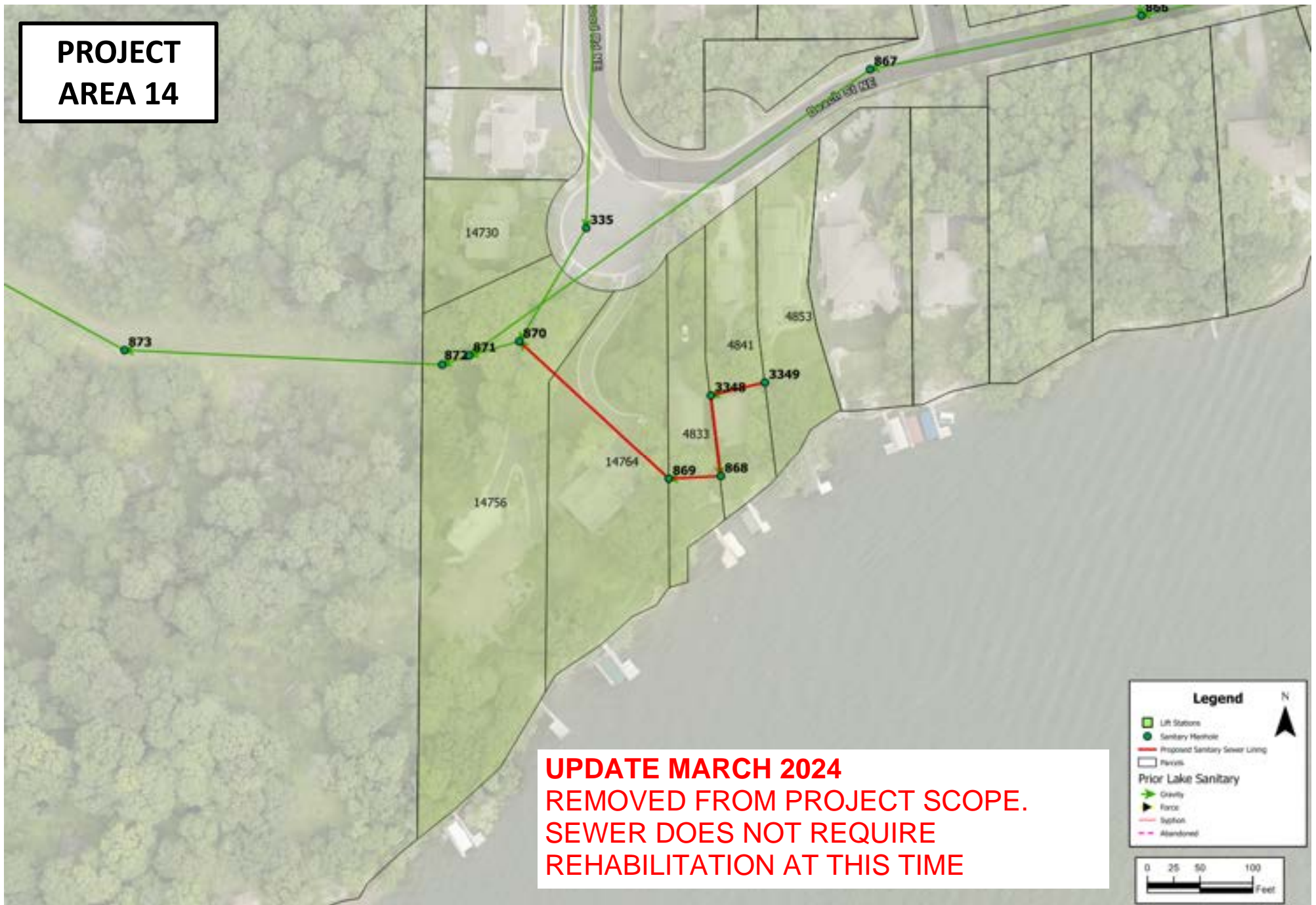
# PROJECT AREA 12



# PROJECT AREA 13



**PROJECT  
AREA 14**

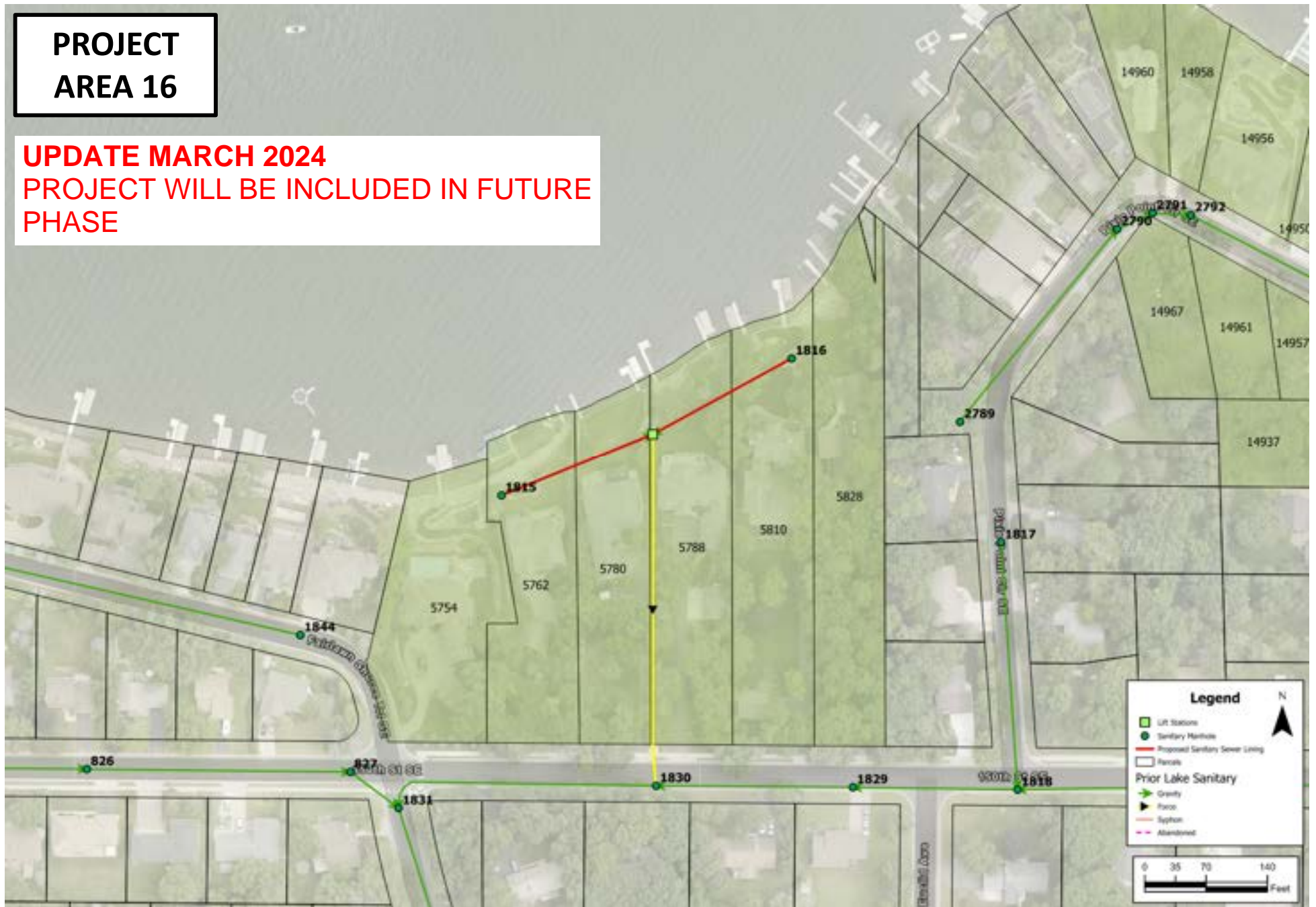


# PROJECT AREA 15



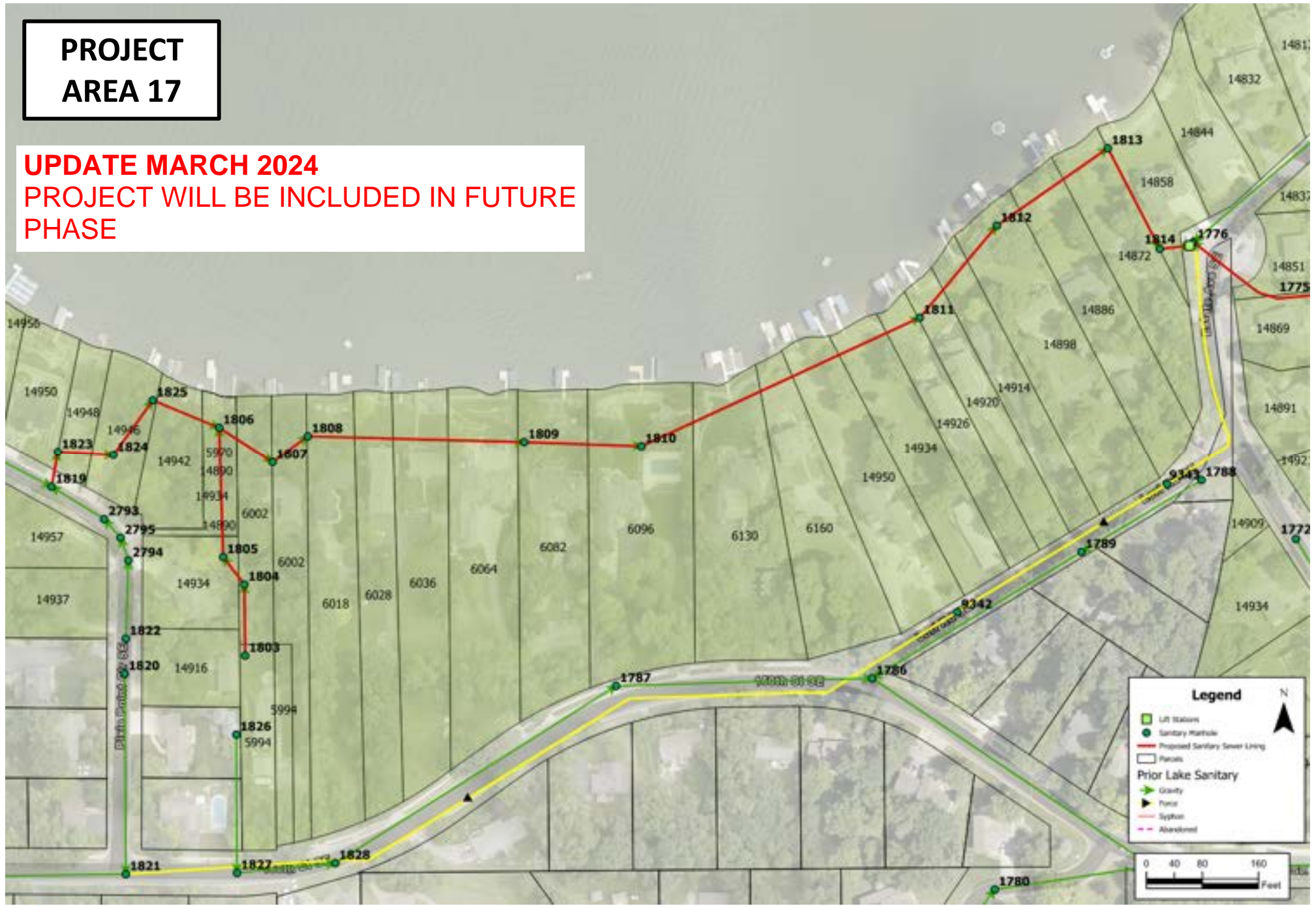
# PROJECT AREA 16

**UPDATE MARCH 2024**  
PROJECT WILL BE INCLUDED IN FUTURE  
PHASE



# PROJECT AREA 17

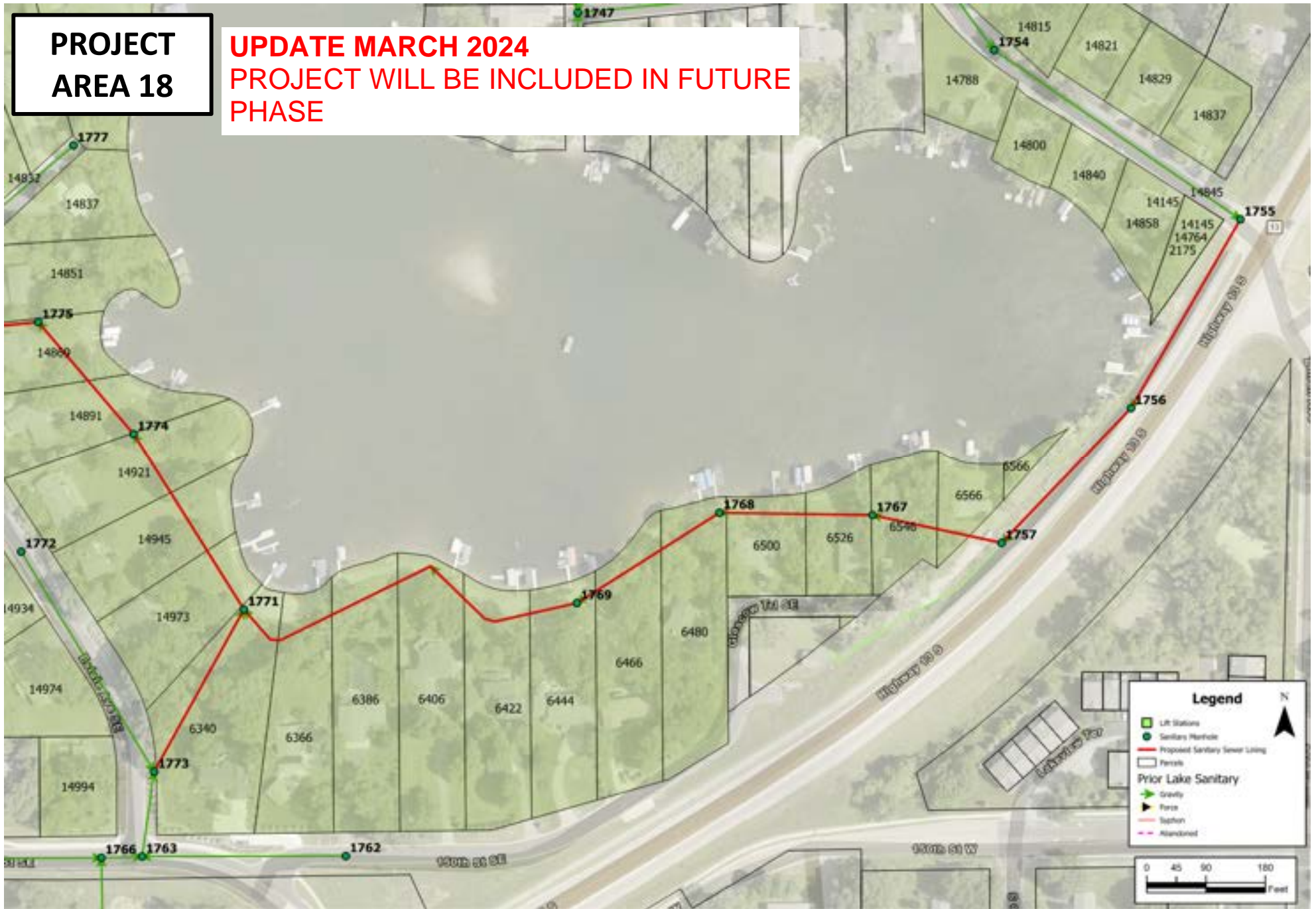
**UPDATE MARCH 2024**  
PROJECT WILL BE INCLUDED IN FUTURE  
PHASE





# PROJECT AREA 18

**UPDATE MARCH 2024**  
**PROJECT WILL BE INCLUDED IN FUTURE  
PHASE**

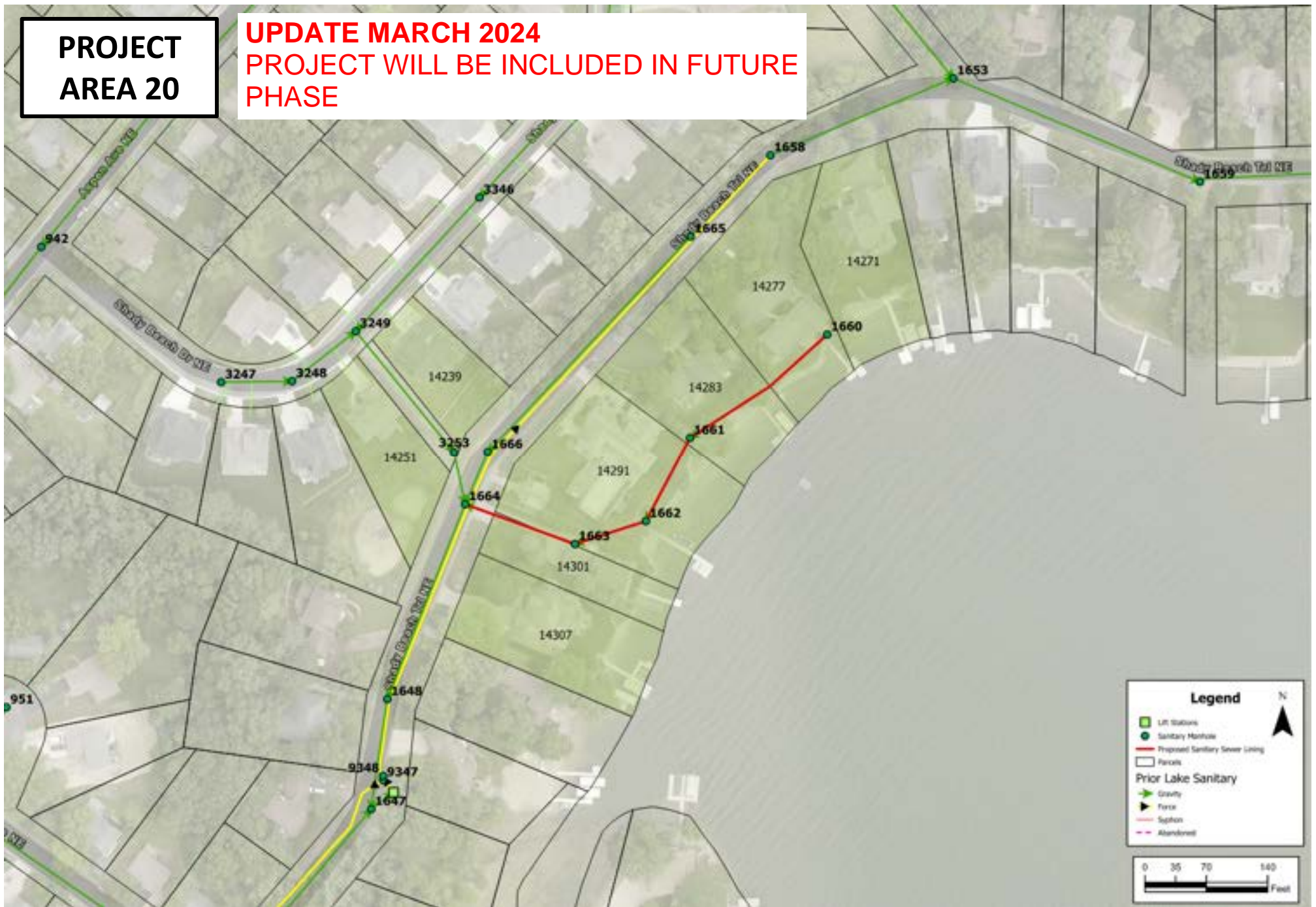


# PROJECT AREA 19



# PROJECT AREA 20

**UPDATE MARCH 2024**  
**PROJECT WILL BE INCLUDED IN FUTURE  
PHASE**



# Contacts

- Project phone number: 651-968-6026
- [PriorLakeCIPP@sehinc.com](mailto:PriorLakeCIPP@sehinc.com).
- Join the construction update email list by sending an email or calling to share your email address.
- [www.sehinc.com/priorlakecipp](http://www.sehinc.com/priorlakecipp)

# Questions?

Amy Prok & Dave Hutton  
SEH

