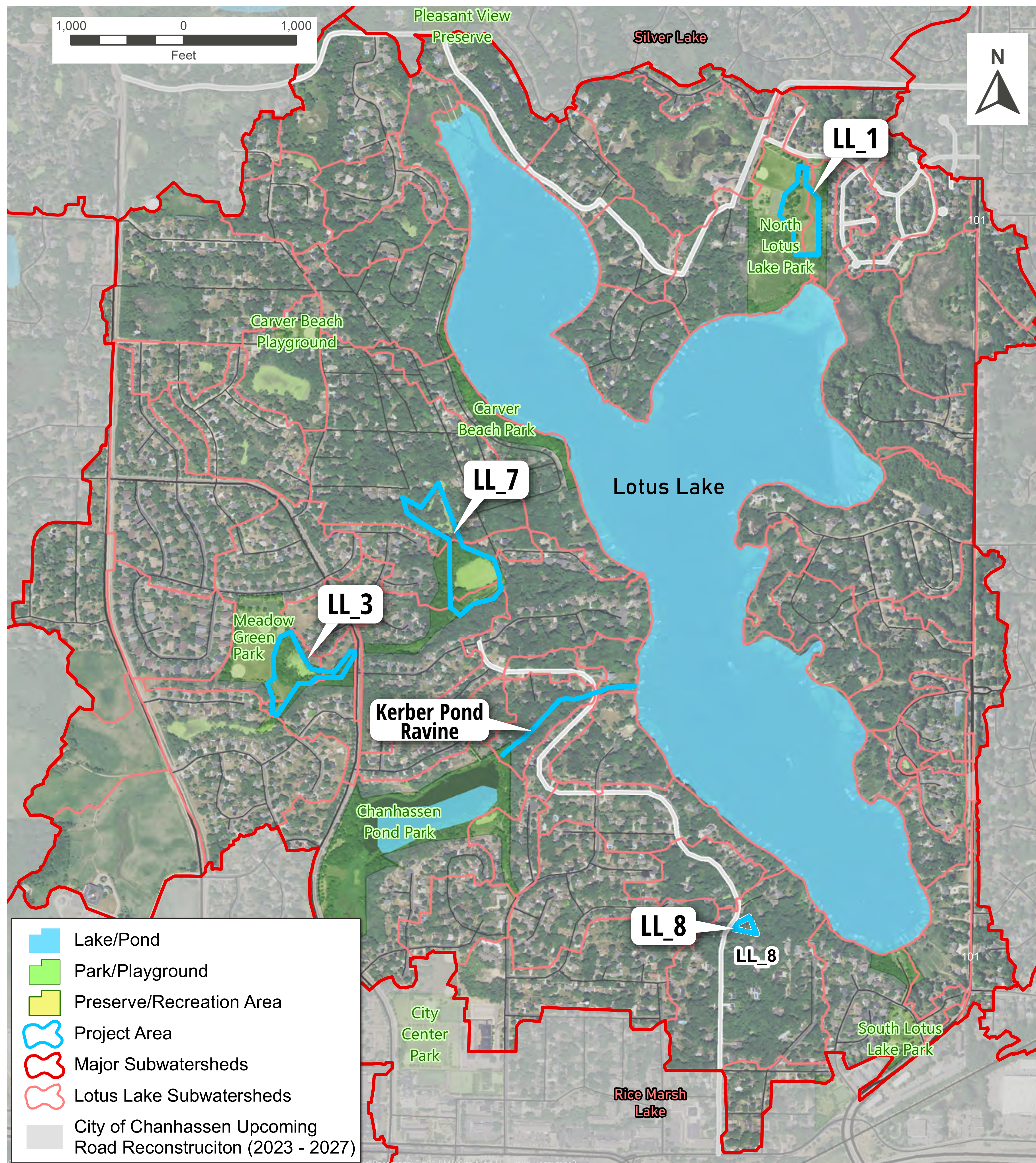


North Lotus Lake Park Water Quality Improvement Project



Lotus Lake Watershed: Proposed Project Areas

Lotus Lake is considered impaired for nutrients. A 2020 report by the Minnesota Pollution Control Agency stated that a total phosphorus (TP) reduction of 47% (541 pounds/year) was needed for Lotus Lake to meet water quality standards.

RPBCWD implemented the **Lotus Lake Water Quality Improvement Project** to identify projects within the Lotus Lake watershed that would achieve the total phosphorus reduction needed to meet water quality standards. The final report recommended five best management practices (BMPs) that would achieve the desired reduction. Results are summarized in the table below.

Project areas identified in the 2024 report for the Lotus Lake Water Quality Improvement Project.

Project area name	Location	Proposed project	Estimated TP removal	Working title of project
LL_1	North Lotus Lake Park	Infiltration area	15.2-17.2 pounds/year	North Lotus Lake Park Water Quality Improvement Project
LL_3	Meadow Green Park	Stormwater outlet modification	2.1 pounds/year	<i>Pending</i>
LL_7	Meadow Green Park	Stormwater diversion and extended detention	20.8 pounds/year	<i>Pending</i>
LL_8	Frontier Trail outlot	Infiltration improvements	9.0 pounds/year	<i>Pending</i>
Kerber Pond Ravine	Pond outflow area on east side of Kerber Pond	Ravine stabilization	2.9 pounds/year	<i>Pending</i>

Visit rpbcd.org/Lotus-Lake-Water-Quality-Project for more information.



Project contact

Terry Jeffery
952-607-6512 ext. 1
tjeffery@rpbcd.org

North Lotus Lake Park Water Quality Improvement Project

Purpose

The purpose of the North Lotus Lake Park Project is to **improve the water quality of Lotus Lake** by reducing the amount of stormwater runoff that enters the lake. The project would prevent about 16 pounds of phosphorus from entering the lake each year, which is equivalent to preventing the growth of 8,000 pounds of algae per year!

Native plants would also be incorporated into the project to **improve soil health, increase stormwater infiltration, and provide wildlife habitat.**

Also under consideration is the incorporation of features that go beyond standard stormwater management design to provide **benefits to park visitors** such as spaces to gather, relax, and explore.

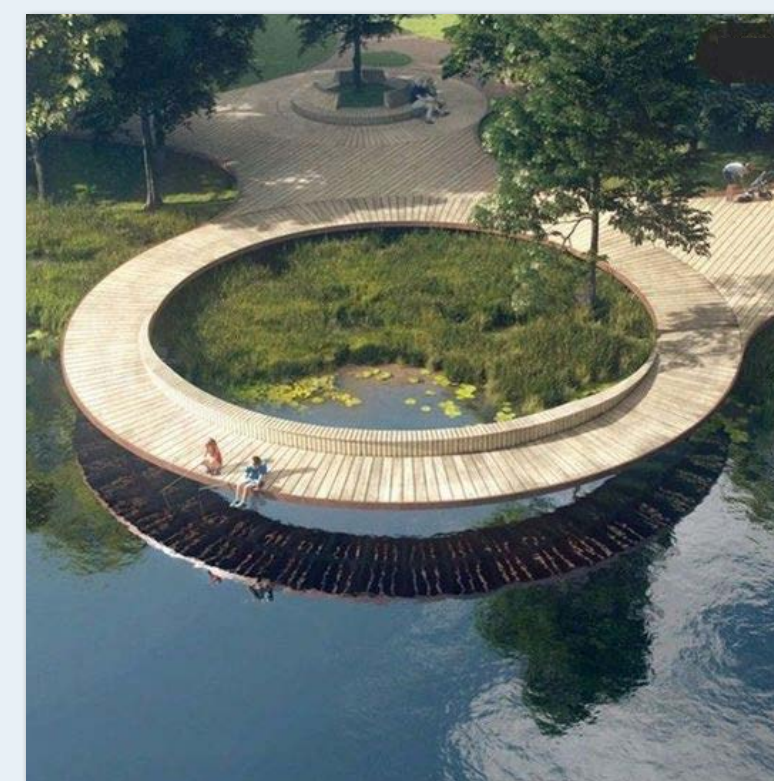
The vision for the project is to create spaces for people within a water quality improvement project.



Duke University, Water Harvesting Pond



Heritage Park - MLPS, Sedge Meadow



Weiliu Wetland Park



Wakefield Park, Barr Engineering



Heritage Park - MPLS (Year 1)



Mississippi Watershed Management Organization

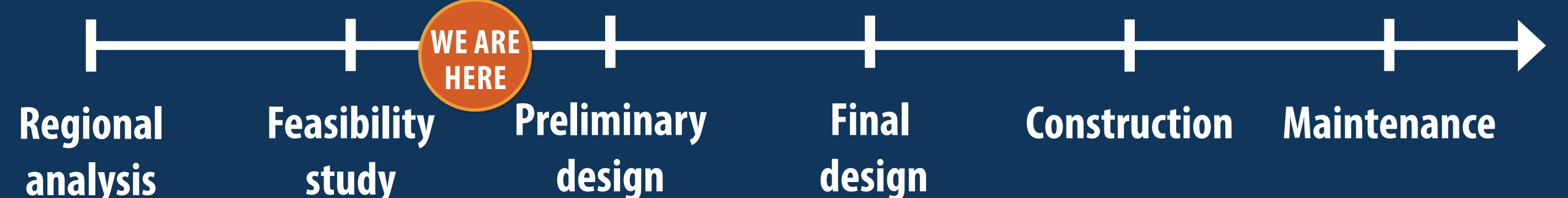


FEATURE PLANTING AREAS

Learn more

rpbcwd.org/North-Lotus-Lake-Park-Project

Project Timeline

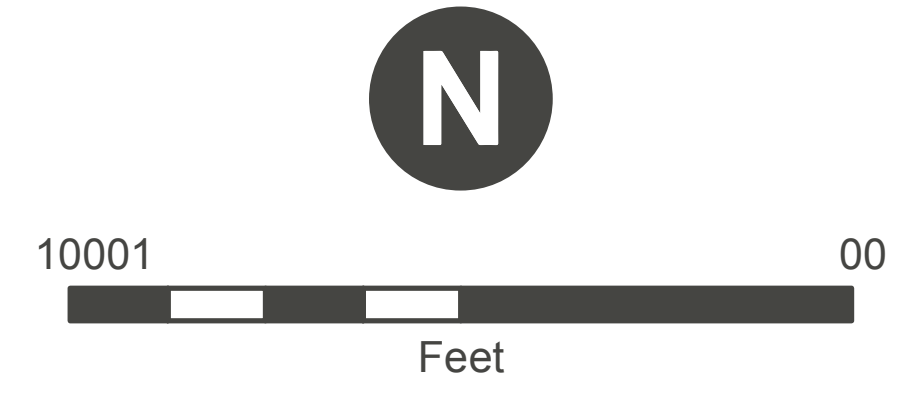


North Lotus Lake Park Water Quality Improvement Project

Concept A



- Contour
- Primary trail
- Secondary trail
- Water interaction experience
- Interpretive art feature
- Artful structures
- Stormwater filtration facility
- Savanna Prairie restoration
- Bee Lawn
- proposed Evergreen Tree
- Existing Tree
- Proposed BMP extents
- P8 Subwatershed
- Parcel Boundary
- NWI Wetland
- Lake/Pond
- Municipal Boundary
- 10ft contour (MN DNR, 2011)
- 2ft contour (MN DNR, 2011)
- Structure (Chanhasen)
- Storm Sewer (Chanhasen)

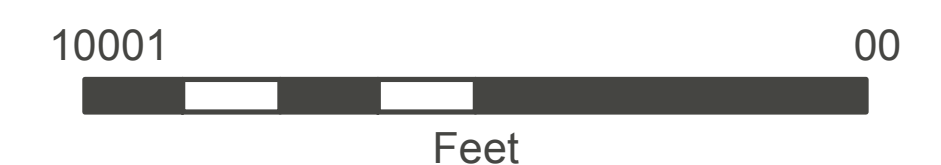


North Lotus Lake Park Water Quality Improvement Project

Concept B



- Contour
- Primary trail
- Secondary trail
- Water interaction experience
- Interpretive art feature
- Artful structures
- Stormwater filtration facility
- Savanna Prairie restoration
- Bee Lawn
- proposed Evergreen Tree
- Existing Tree
- Proposed BMP extents
- P8 Subwatershed
- Parcel Boundary
- NWI Wetland
- Lake/Pond
- Municipal Boundary
- 10ft contour (MN DNR, 2011)
- 2ft contour (MN DNR, 2011)
- Structure (Chanhassen)
- Storm Sewer (Chanhassen)



Write down your ideas for a concept!



Or scan this QR code with your smartphone to submit input online.