

# LONG LAKE CREEK SUBWATERSHED PARTNERSHIP ROADMAP

The Cities of Long Lake, Medina, and Orono; the Long Lake Waters Association; and the Minnehaha Creek Watershed District have partnered to develop a roadmap to improve water quality and restore five impaired lakes in the Long Lake Creek Subwatershed.

## THREE-TIERED STRATEGY FOR REGIONAL RESTORATION

### Regional Treatment

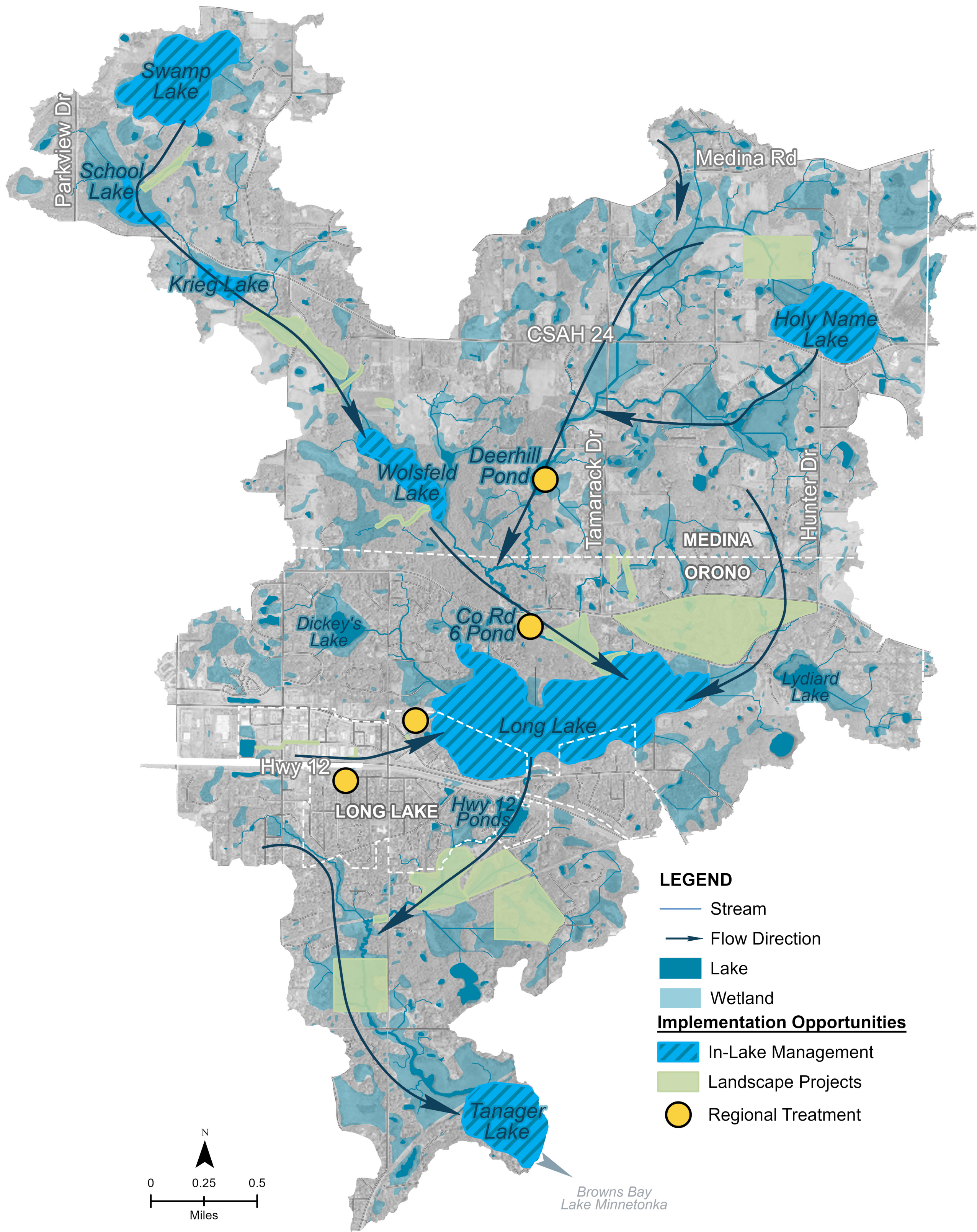
Retrofit three stormwater ponds and create additional stormwater treatment upstream of Nelson Lakeside Park to treat large drainage areas in the Subwatershed.

### Landscape Projects

Implement opportunity-driven landscape projects to reduce external pollutant loading.

### In-Lake Management

Address internal pollutant loading, after reducing external sources.



# COUNTY ROAD 6 STORMWATER POND

Constructed in 1998, the MCWD-owned stormwater pond was designed to improve water quality in impaired Long Lake.

- ▶ 2.5-acre, two cell pond
- ▶ Captures drainage from 3,370 acres
- ▶ Reduces pollutant loading to Long Lake

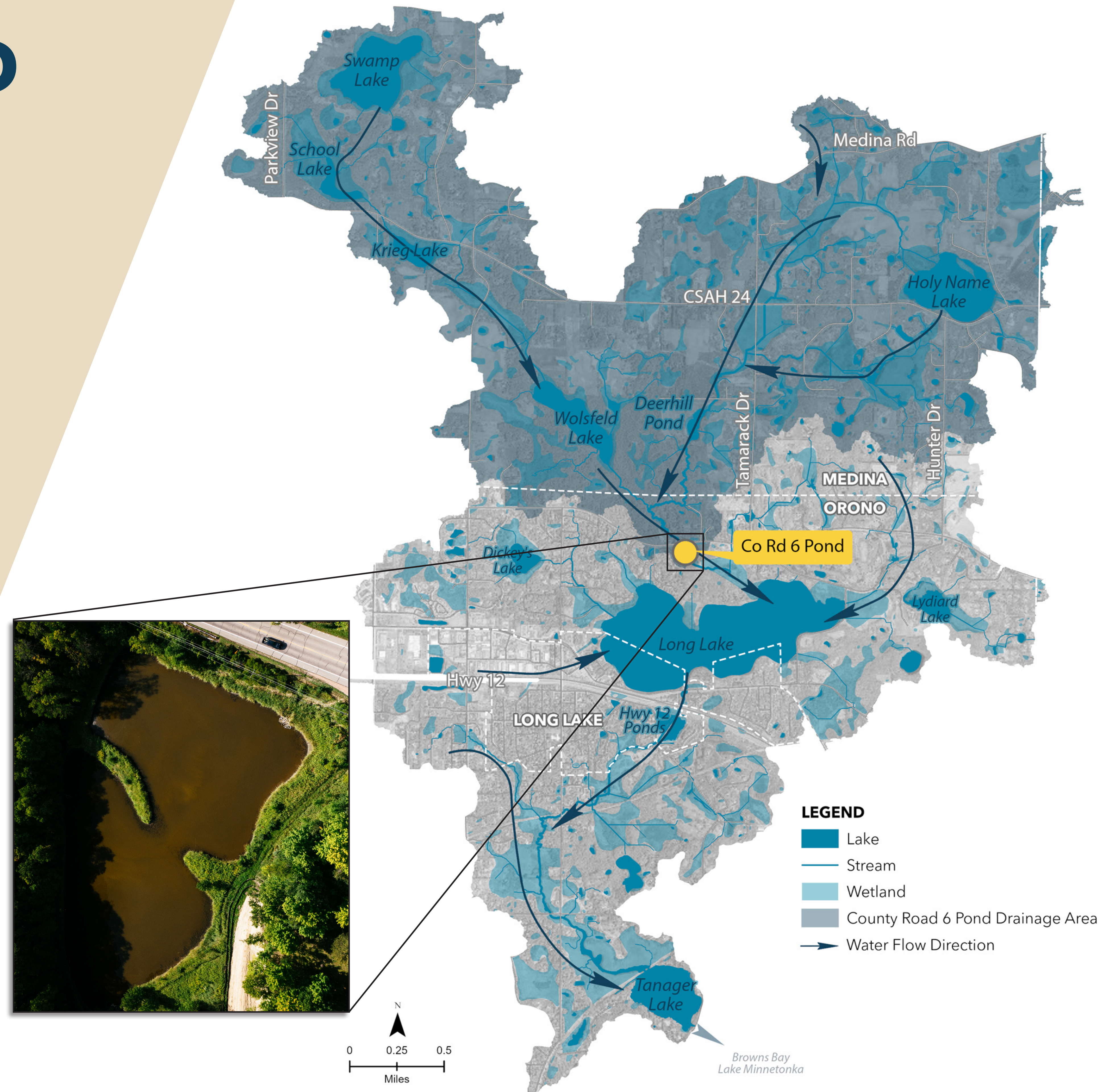
Monitoring data indicate a retrofit would improve the pond's effectiveness and increase regional treatment.



Learn more: [minnehahacreek.org/  
project/county-road-6-pond-retrofit/](https://minnehahacreek.org/project/county-road-6-pond-retrofit/)



**MINNEHAHA CREEK**  
WATERSHED DISTRICT



# POND RETROFIT SITE PLAN

## POND EXPANSION

The expansion captures additional roadside runoff and offsets flood storage lost from the sand filter bench installation.

## WEIR MODIFICATIONS

Modifications to an existing weir ensure water flows over the filter bench.

## MAINTENANCE DREDGING

Removing accumulated sediment restores the pond's treatment capacity.

## SAND FILTER BENCH

As water flows over the filter bench, fine-grain sand filters particulate phosphorus from the water.

Treated water leaves the system through a drain tile network and flows downstream to Long Lake.

# HOW A FILTER BENCH WORKS

