



New Hope 45th Avenue Pond Improvements



Clean Water Funds: 2010

Clean Water Grant	\$160,000
Leveraged Funds*	\$175,000
Total Project Budget	\$335,000

* Leveraged Funds include required 25% local match

Targeted Water:

Lower (South) Twin Lake

Project Sponsor:

Shingle Creek Watershed Management Commission

Partners:

City of New Hope

Grant Period:

January 2010 - December 2011

Project Contact:

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Project Narrative

The clean up plan for Twin and Ryan Lakes identified the need to reduce phosphorus loading to Lower Twin Lake by 84 percent from watershed sources. The watershed that drains to the Twin Lake chain is fully developed, and the cities now face the challenge of retrofitting new Best Management Practices (BMPs) and maximizing the effectiveness of existing BMPs.

The 45th Avenue Pond in the City of New Hope is an existing dry pond on 45th Avenue between Winnetka and Xylon Avenues North that provides a modest amount of water quality treatment for an 80 acre subwatershed that includes residential uses and a shopping center. Clean Water Legacy funding will help the City enlarge and convert this dry pond into a more effective wet pond and wetland treatment system. This will remove an additional 41 pounds of total phosphorus and 10.1 tons of total suspended solids per year. This is a significant fraction of the 88 pounds of annual phosphorus reduction necessary for that lake. Also incorporated into the project is a new pretreatment forebay that will reduce sediment load discharged into the wetland portion of the treatment system.

The outcome of this project will be a reduction in nutrients discharged into impaired Lower Twin Lake, an enhanced and expanded wetland area, and improved aesthetics for this high-visibility location.

This project is under construction in Winter 2010-2011, and will be completed by Summer 2011.



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The 45th Avenue Pond Improvement Project will convert this dry pond and wetland complex into a wet pond and enhanced, expanded wetland treatment system for 80 acres of commercial and residential land in the City of New Hope