

CENTER CITY

VEGETATED SWALE AND MINNESOTA FILTER



The City of Center City and the landowner agreed to capture runoff and filter the water before it enters North Center Lake on the north end of Center City. This project includes a large vegetated swale with a series of check dams designed to capture runoff from a development as well as an agricultural field in order to slow the water's velocity and remove phosphorus and sediment before entering the lake.

The Minnesota Filter, or Iron Enhanced Sand Filter, was installed in the first ditch check to filter water through iron enhanced sand, which will removed additional dissolved phosphorus from the runoff. The clean water, as well as the runoff from the agricultural field, will then travel through the other 4 ditch checks to remove more pollutants before heading into North Center Lake.



Partners:

Center City
Landowner
Chisago Lakes Lake Improvement District
Chisago Soil & Water Conservation District

Pollution Reduction:

Total Suspended Solids: 0.56 tons/year
Total Phosphorus: 5.7 lbs./yr
(BWSR Spreadsheet)

Targeted Water:

North Center Lake

Completion Date:

August 2016

May I Visit?

No – This project is entirely on private property. Part of the project is visible from the edge of 318th Street.

