

# PIONEER LAKE OUTLET WATER QUALITY FILTER

The City of Center City needed to replace the failing outlet pipe between Pioneer Lake and North Center Lake. Along with this process, the City approved a partnership with the Chisago Soil & Water Conservation District (SWCD) to design and install a water quality filter system. This system includes both a StormTech Isolator Chamber and a Bayfilter Chamber. The Isolator Chamber is designed to drop out garbage, sediment, and slow the volume of water moving through the system. The BayFilter Chamber includes a cartridge filter that will absorb and filter both particulate and dissolved phosphorus.

Together, these products should regulate the level of Pioneer Lake by installing a concrete outlet structure and also filter out 38 pounds of phosphorus per year.



## Partners:

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

## Pollution Reduction:

TP: 38 lb/yr  
(HydroCAD model)

## Targeted Water:

North Center Lake

## Completion Date:

December 2017

## May I Visit?

Yes – The structure caps are visible from the road – the bulk of the project is contained below grade.

