

# BAYVIEW APARTMENTS

## STORMWATER POND RETROFIT



A large portion of the runoff from the residential area of Center City flows through a stormwater pipe and outlets into two stormwater ponds behind the Bayview Apartments building. With this project, we were able to add Iron Enhanced Sand filters to increase the amount phosphorus that is removed when water moves through these ponds. Stormwater from over 6 acres of developed downtown Center City empties into South Center Lake at the outlet of these ponds. This is our last line of defense for keeping pollutants out of the lake for this portion of town. The amount of space for treating the runoff from over 6 acres of residential watershed is very limited on this site. To increase the effectiveness of the existing stormwater ponds to remove sediment and nutrients from runoff, the ponds were retrofitted with iron enhanced sand filters, cleaned of sediment that had built up, and replanted with native species. The iron enhanced sand filter is able to remove dissolved phosphorus from runoff water, which cannot be removed with any other practice other than infiltration.



### Partners:

Chisago County Economic Development Authority/Housing & Redevelopment Authority  
Center City  
Chisago Lakes Lake Improvement District  
Chisago Soil & Water Conservation District

### Pollution Reduction:

Total Suspended Solids: 0.1 tons/year  
Total Phosphorus: 1.6 lbs./yr  
(WinSLAMM model)

### Targeted Water:

South Center Lake

### Completion Date:

August 2016

### May I Visit?

No – This project is at an apartment complex and is not easily accessible.

