

# LINDEN STREET RECONSTRUCTION

## WATER QUALITY PROJECTS



The City of Lindstrom partnered with the Chisago Soil & Water Conservation District to solve erosion problems that were occurring at the end of Linden Street, a dead-end road with a steep slope to the lake. This project has two curb cut rain gardens at the top of the hill, on either side of Linden Street. These

capture stormwater runoff from nearby roads before it runs down Linden Street.



At the end of Linden Street are two more linear rain gardens. What you can't see is an underground sand/iron filter that removes phosphorus from the water. The phosphorus binds to the iron fillings and is kept out of South Lindstrom Lake. The large rock swales are emergency overflow for large storms that overwhelm the rain gardens and filter.



### Partners:

City of Lindstrom  
Anoka Conservation District  
Chisago Lakes LID  
Chisago SWCD  
Emmons & Olivier Resources

### Pollution Reduction:

TSS: 3,666 lb/yr  
TP: 3.5 lb/yr  
Vol: 1.0 ac-ft/yr  
(P8 model)

### Targeted Water:

South Lindstrom Lake

### Completion Date:

8/6/2011

### May I Visit?

Yes – The project is the whole block north of South Lindstrom Lake.

