

# LINDSTROM CATCHMENT L-29 NEWLANDER

## RAIN GARDENS

Urban runoff is often piped directly into nearby lakes without any form of treatment to remove the sediment, leaves, debris and garbage that flows along with the water. One of the practices that is being used to help provide some filtration of water as well as infiltration of water to recharge groundwater is rain gardens.

In the residential neighborhood along Olinda Trail in Lindstrom, runoff is captured in storm drains and outlets into South Lindstrom Lake with no treatment. In 2015, three landowners in the neighborhood installed rain gardens. These gardens capture some of the runoff from Olinda Trail and the cross street Newlander Avenue. Once the water is in the rain garden, some of it is able to soak into the ground. Excess water that cannot soak in within 24-48 hours is able to slowly run out into the storm drain system after it has filtered through the sandy soil medium. This helps remove some of the pollutants from the runoff before it enters the lake.



### Partners:

Chisago SWCD  
Landowners  
Chisago Lakes Lake  
Improvement District  
City of Lindstrom  
Chisago County

### Pollution Reduction:

Total Suspended Solids  
(TSS): 156 lb/yr  
Total Phosphorus (TP):  
0.63 lb/yr  
Volume: 0.30 acre  
feet/yr  
(MIDS model)

### Targeted Water:

South Lindstrom Lake

### Completion Date:

Fall 2015

### May I Visit?

Yes, these gardens can be seen from the sidewalk or curbside. Please respect private

