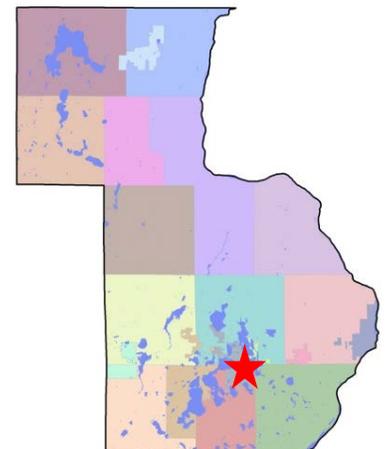


# LAKES FREE CHURCH BIORETENTION

## RAIN GARDENS

Members of the Lakes Free Church partnered with the Chisago Soil & Water Conservation District to treat some of the stormwater runoff coming off the massive roof and parking lot at the church site. On the north end of the parking lot, a cut in the curb already existed, allowing water out onto the green area, where it eventually reached a pond. In this spot behind the curb, the SWCD installed a rain garden.

Another larger rain garden was constructed in the green space between the parking lot and Olinda Trail. The garden was placed in the middle of the water's flow path between two culverts, which eventually led the water away to South Center Lake. Both rain gardens will allow the water to slow down, infiltrate, and be cleaned before it enters any waterbody.



### Partners:

Chisago Lakes LID  
Lakes Free Church  
Chisago SWCD

### Pollution Reduction:

TSS: 962 lb/yr  
TP: 1.5 lb/yr  
Vol: 0.9 ac-ft/yr  
(P8 model)

### Targeted Water:

South Center Lake  
South Lindstrom Lake

### Completion Date:

November 2011

### May I Visit?

Yes – The gardens are located on the North, and East sides of the parking lot.