

CENTER CITY – BUSCH AVENUE

RAIN GARDENS

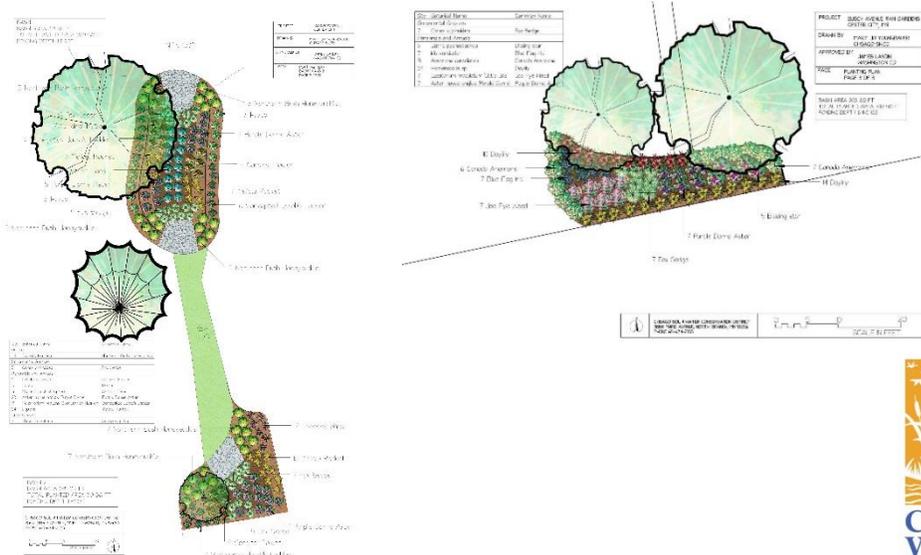
The residential area of Center City was identified as a high priority for installing water quality improvement projects because there was no treatment of the runoff water before it reached North and South Center Lakes. Residents of the neighborhood were very enthusiastic and responded quickly when approached about installing water quality projects.

Busch Avenue is paralleled by an alley for residents to use. The alley and Busch Avenue both intersect with Center Avenue. A portion of Busch Avenue is a dead end. No erosion was occurring on the dead end, likely because most of the runoff water drains away from the slope.

Two large rain gardens were installed between houses along Busch Avenue. These gardens intercept surface water from Busch Avenue and helps infiltrate as much as possible. A perforated draitile buried in the garden allows water to slowly travel through the soil and into the existing storm drain near the alley. A third rain garden was installed at the intersection of the alley and Center Avenue. The ditch area upstream of this rain garden was modified to help direct water off the street into the ditch and then into the rain garden.

The fourth rain garden was installed along the dead end part of Busch Avenue near the intersection with Center Avenue. This small garden helps reduce the volume of runoff that reaches the downstream rain garden.

Construction was put on hold when snow fell in November and the ground froze. The finishing touches and planting will be done in the spring!



Partners:

- Chisago SWCD
- Landowners
- Chisago Lakes Lake Improvement District

Pollution Reduction:

- Total Suspended Solids (TSS): 239 lb/yr
- Total Phosphorus (TP): 1.05 lb/yr
- Volume: 0.75 acre feet/yr
- (MIDS model)

Targeted Water:

- South Center Lake
- North Center Lake

Completion Date:

Spring 2016

May I Visit?

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

