

NELSON LANE SOUTH

CHANNEL STABILIZATION & VEGETATED SWALE

An eroding gully in Center City was adding tons of sediment to Pioneer Lake each year through a City stormwater outfall. The landowners and City agreed to fix the erosion by installing a rock-lined channel. Within the watershed, landowners agreed to install a 400 foot long vegetated swale to slow and filter the water that ultimately enters the large gully. Along with rock rip-rap for energy dissipation and erosion control, native plants were planted to filter water and stabilize the soil beneath the moving water.



Partners:

Chisago Soil & Water Conservation District
Landowners
City of Center City
Chisago Lakes Lake Improvement District

Pollution Reduction:

Total Suspended Solids (TSS): 9.8 tons/yr
Total Phosphorus (TP): 9.82 lbs/yr
(BWSR Pollution Reduction Calculator)

Targeted Water:

Pioneer Lake

Completion Date:

May 2017

May I Visit?

Yes. Most of the project can be seen from the edge of

