

NELSON COURT GULLY STABILIZATION

CHANNEL STABILIZATION

A portion of the residential neighborhood around Nelson Court in Center City drains through roadside ditches into Pioneer Lake. Along the last portion of the ditch system, erosion was occurring within the channel due to the large volume and high velocity of the runoff water traveling through it. The gully was stabilized in 2015. A permanent tough fabric was installed along the bottom and sides of the channel to help keep the soil beneath the blanket in place. Rock checks were installed along the channel to slow water down and allow sediment being carried in the water to drop out before reaching the lake. At the end of the channel, a structure allows the water to make the steep drop to lake level without washing away the bank.



Partners:

Chisago SWCD
Landowner
Chisago Lakes Lake Improvement District

Pollution Reduction:

Total Suspended Solids (TSS): 14.3 tons/yr
Total Phosphorus (TP): 14.3 lbs/yr
(BWSR Pollution Reduction Calculator)

Targeted Water:

Pioneer Lake

Completion Date:

August 2015

May I Visit?

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

