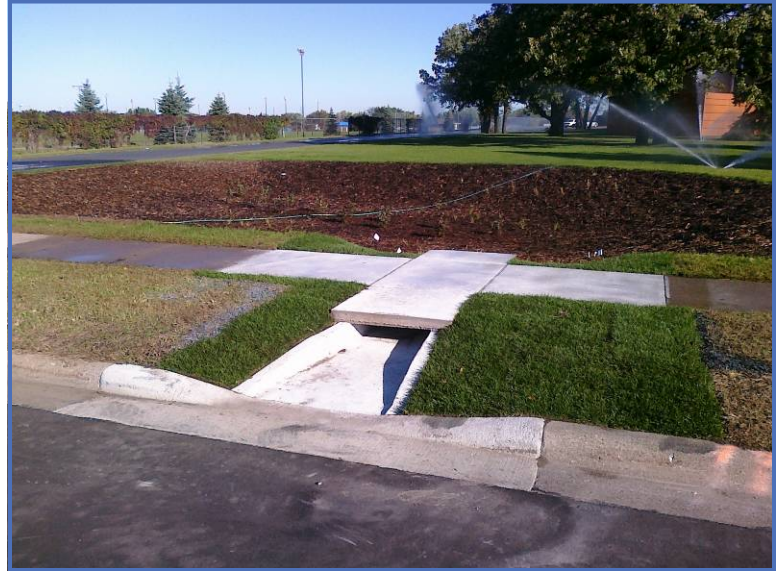


FRIDLEY MIDDLE SCHOOL RAIN GARDEN



Project Summary

A curb-cut rain garden was installed at the Fridley Middle School to treat stormwater runoff that enters West Moore Lake. Prior to installation, rain falling on impervious surfaces within the rain garden drainage area was channeled through the curb and gutter system without any form of treatment. The project improved the quality and reduced the volume of stormwater reaching the lake by capturing and infiltrating runoff from the nearby streets and parking lots. The close proximity of the curb-cut rain garden to both Fridley Middle School and High School will also provide unique educational opportunities for students about stormwater best management practices.



Project Specs

Date Installed September 2010
Total Garden Area 2,317 ft²
Storage Capacity 2,700 ft³

Installation Funding

RCWD Cost-Share \$5,000.00
Landowner \$11,902.69
Total Installation Cost \$16,902.69



Existing conditions consisted of an open area of turf grass that provided little benefits to water quality or habitat for wildlife.



A concrete swale and pretreatment chamber were installed to connect the rain garden with the existing curb and gutter system.

The rain garden was planted with native species to aid in filtration/infiltration and provide wildlife habitat.



The pretreatment chamber will capture sediment and debris prior to entering the garden and reduce future maintenance efforts.

