ISD 192 Farmington Area Schools
Pine Street Stormwater Retrofit

Project:
Two bioretention cells with a combined area of 2,020 square feet to provide water quality treatment for the runoff from approximately 0.76 acres of existing parking lot.

Benefits:
- Runoff volume reduction
- Reduction in TSS and Phosphorus

Partners:
- Minnesota Board of Water and Soil Resources
- Vermillion River Watershed JPO
- City of Farmington

Watershed:
Vermillion River

Funding:
- Total project cost: $17,989
- State Clean Water Fund: $7,871
- Landowner: $10,118

Location:
Farmington, Minnesota

Construction:
2010

Clean Water Fund: Protecting and restoring Minnesota's waters for generations to come.
In existing soil was amended with course washed sand and leaf litter compost. Mixing to a 12" depth helped to remove soil compaction.

The cells were graded with a flat bottom to spread the stormwater flow more evenly. Native shrubs, wood mulch and perimeter sod were installed.

The designed water quality volume of ½ inch runoff depth fills the cells to capacity. The temporary pool infiltrates within 12 hours following the rain event.

Flows greater than ½ inch water quality volume bypass the cells through overflow weirs set at 9 inches higher than the surface elevation of the bioretention cells.