

Rain Garden Retrofit Phase 1

PROJECT BACKGROUND

The City partnered with Sherburne Soil and Water Conservation District (SWCD) to retrofit 20 rain gardens into an existing residential neighborhood in southeast St. Cloud. The City used cost-share funding from the Sherburne SWCD through a Clean Water Legacy grant through the Board of Water and Soil Resources to help complete the project. The City first completed a stormwater retrofit assessment of the subwatershed to help prioritize the best locations for rain garden retrofit projects. Property owners agreed to have these rain gardens installed in the right-of-way along their property and committed to assist with long-term maintenance. The rain gardens treat 7.2 acres of stormwater runoff that previously discharged to the Mississippi River without treatment.

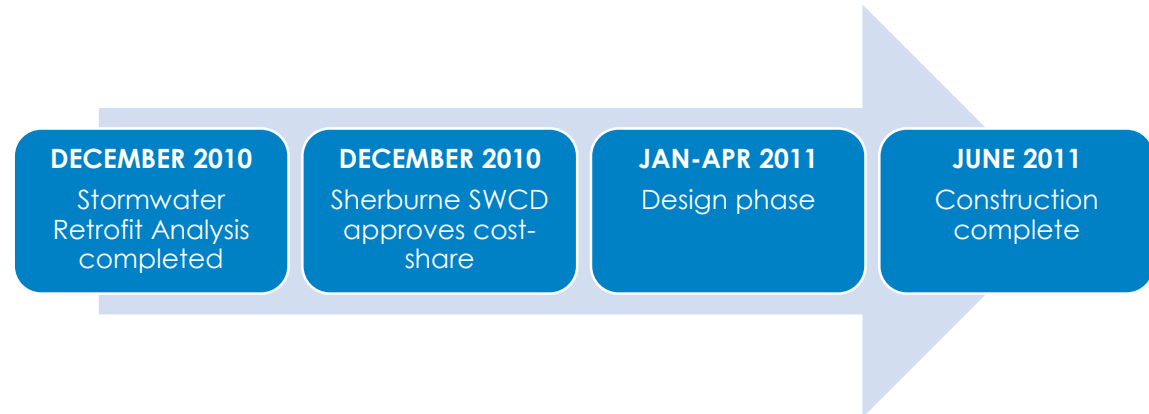
PROJECT SUMMARY

- Constructed June 2011.
- Construction cost: \$55,000
- Grant Funded Cost Portion: \$50,000
- Coordinated project with Sherburne SWCD and the City's Public Works and Engineering Departments.

PROJECT LAYOUT



PROJECT SCHEDULE



SUSTAINABILITY BENEFITS – This project added twenty new rain gardens and over 1,200 native plants to the area. The project will reduce the volume of water and pollutant loading to the Mississippi River.

Estimated Annual Pollution Reduction

7.8 pounds of phosphorus

5,000 pounds of sediment

2.2 million gallons of water infiltrated