

Storm Water Runoff and Filter Backwash Reuse Facility



Water/Wastewater/Municipal

WSB worked with several agencies to complete the Storm Water Runoff and Filter Backwash Reuse project, including the City of St. Anthony Village, the Mississippi Watershed Management Organization, the Rice Creek Watershed District, Hennepin County, and the St. Anthony – New Brighton School District.

This first of a kind, innovative project incorporated alternate uses for surface water runoff and filter media backwash water from the City water treatment plant. Water from these sources are captured and recycled for irrigation of the 20 acre City Park and City Hall site. By reusing the water for irrigation, the project eliminates the vast majority of runoff and associated pollutants that used to discharge to Mirror Lake and the Mississippi River. It also provide nearly all the six million gallons of potable water needed to irrigate the site. Groundwater is conserved and protected and irrigation costs are reduced by \$15,000 per year.

This project benefits a wide range of public and government entities and protects the region's natural resources.

Client: St. Anthony Village Cost: \$1.5 million Completion Date: November 2008



Project Manager - Todd Hubmer Project Engineer - Paul Hudalla
Construction Management - Justin Messner Inspection - Dave Snidarich

2009 LMC City of Excellence Award
2008 CEAM Municipal Project of the Year - Honorable Mention