

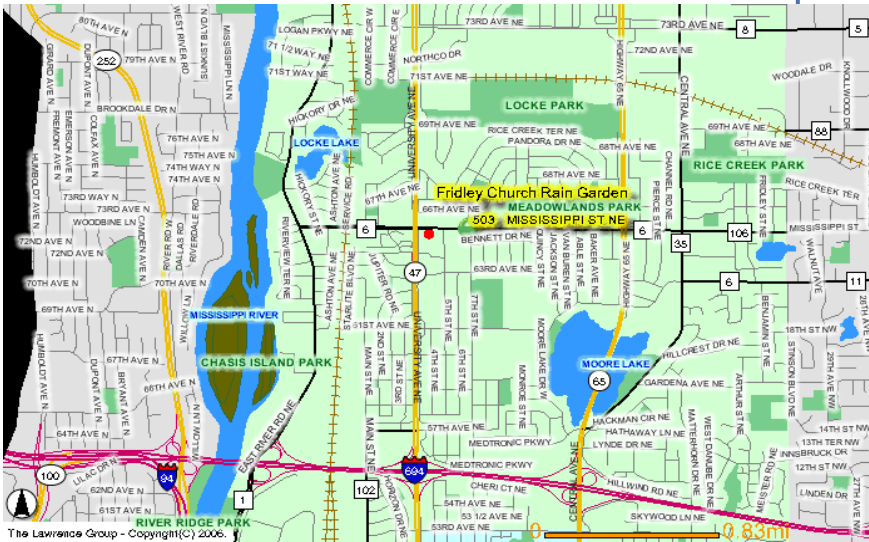
PROJECT PROFILE

FRIDLEY CHURCH

Rain Garden



Pre-Rain Garden Conditions



Rain falling on the roof of the Church was directed by downspouts, unfiltered, into the street, eventually making its way to the Mississippi River. This excess runoff from impervious surfaces can cause:

- An increased risk of flooding and bank erosion
- An influx of sediments, nutrients and pollutants
- An increase in water temperatures.

PROJECT SPECS

Date Planted	8/14/2006
Area Planted	442 ft ²
Water Treatment Capacity	97 ft ³
Water Detention Capacity	165 ft ³
Natives Planted	46
Materials Cost.....	\$612.73
Labor Estimate	\$1275.00
Cost-share Funds	\$612.73



Fridley Church site prior to rain garden installation.

After Rain Garden Installation

- Rain falling on the roof is directed to the rain garden where it is treated to remove nutrients and pollutants.
- Up to 97 ft³ of water can be treated by the rain garden.
- In all, the rain garden detains, or slows down, up to 165 ft³ of rain water allowing the removal of sediment and solid particulate matter.
- By slowing the flow of water into the river, the rain garden helps to reduce flooding and erosion.

July 2006



June 2008

