



**Federal Clean Water Act  
Section 319 Grant**

Tracking code: 2003-0035



Clinton River Watershed Council

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**Stony Creek Transition/Implementation Project I**

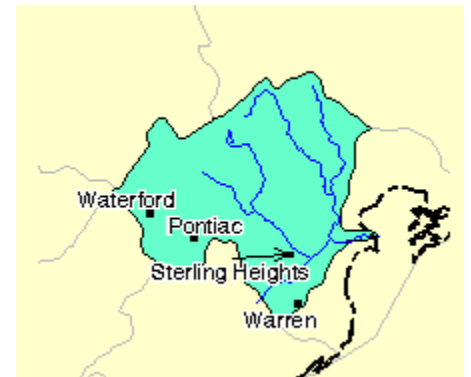
August 2004 - December 2006

The Clinton River Watershed Council (CRWC) received a Nonpoint Source grant to update the Stony Creek Subwatershed Management Plan to meet the US Environmental Protection Agency's nine watershed planning elements and to implement nonpoint source activities consistent with the Stony Creek Subwatershed Management Plan. Many of the communities in the Stony Creek Subwatershed are also in the Paint Creek Subwatershed. The Subwatershed Management Plan was revised to include the Paint Creek subwatershed and became the Stony/Paint Creek Subwatershed Management Plan. The Plan was approved for Clean Michigan Initiative and Federal 319 requirements by the Michigan Department of Environmental Quality (MDEQ). The second phase of the project was to implement nonpoint source activities in the watershed. Two locations were selected-- Van Hoosen Farms in Rochester Hills and Gilcher Park in Washington Township. The project in Van Hoosen Farms consisted of installing two bioswales to treat the first flush of a rain event. The Gilcher Park project was a wetland enhancement to improve nutrient and sediment removal through the use of native plants, and construction of a riparian buffer. Engineering plans were developed for both project sites and submitted to the MDEQ for review and approval. The communities provided many services to implement the projects including grading, materials, and equipment. Volunteers were used to plant over 2,000 native plants.

**Grant Amount: \$ 94,300**

**Match Funds: \$ 47,600**

**Total Amount: \$ 141,900**



**Best Management Practices:**

- Gilcher Park:
- Wetland enhancement for sediment and nutrient reduction, 1.3 acres
- Van Hoosen Farms:
- Two bioswales for treatment of first flush of a rain event, 0.1 acres
- CMI/319 Approved Stony/Paint WMP

**Annual Load Reductions:**

- Sediment: 17 tons
- Nitrogen: 29 lbs.
- Phosphorus: 14.6 lbs.



**I&E Activities:**

- Rain Garden Workshop
- List-serve advertisement to all CRWC members
- Subwatershed Advisory Group Meetings
- Volunteer planting for both sites



**Partners involved:**

- Clinton River Watershed Council
- Stony/Paint Subwatershed Advisory Group
- Van Hoosen Farm & Museum
- Gilcher Park
- Addison Township
- City of Auburn Hills
- Brandon Township
- Bruce Township
- Independence Township

**Partners involved:**

- Village of Lake Orion
- Oakland Township
- Orion Township
- Oxford Schools
- Oxford Township
- Oxford Village
- City of Rochester
- City of Rochester Hills
- Rochester Schools
- Shelby Township
- Washington Township



**Van Hoosen West Bioswale & Riprap Spreader**



**Van Hoosen East Bioswale -Complete**



**Van Hoosen West Bioswale -Complete**



**Gilcher Park Wetland Enhancement**



**Gilcher Park Wetland Enhancement**