Federal Section 319
Nonpoint Source Grant
Washtenaw County

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Huron River Storm Water Demonstration Park

September 1, 2000 through July 31, 2004

The Traver Creek Watershed is a sub-watershed of the Huron River. Sediment and nutrient inputs were pollutants of concern in the watershed. In addition, the increased impervious surface areas that accompany local development have resulted in greater volume and rate of surface runoff. The goal of this project was to plan, design, and construct a Stormwater Controls Demonstration Park for use in educating a target audience consisting of the general public, design professionals, natural resource and engineering students. This project resulted in a variety of innovative best management practices to address storm water in a park setting.

Grant Amount: $ 329,613
Match Funds: $ 383,626

Total Amount: $ 713,239

Best Management Practices:

- access road
- bioretention
- rain garden
- catch basin sumps
- critical area treatment
- detention basins
- grade stabilization structures
- modular pavement
- recreational access site
- road-stream crossing
- sediment basin
- storm water conveyance channel
- wetland restoration/creation.•

Annual Load Reductions:

- **22 tons Sediment**
- **22 lbs Phosphorous**
- **44 lbs Nitrogen**

Partners involved:

- City of Ann Arbor, MI

I&E Activities:

- on-site interpretation
- fact sheets
- web-based information sharing
- project presentations
- student involvement

Above: The entrance to the Storm water Demonstration Park. Water flows to modular pavement, which promotes infiltration. **Top Right:** Traditional pavement on right draining into an infiltration area. **Lower Right:** Native vegetation used throughout the park to soak up storm water.

Above: This detention basin holds and treats storm water from traditionally paved parking lot. **Right:** A rock-lined channel and grade stabilization structure slows down the flow of water and prevents the channel from eroding. Water discharges into an infiltration area.