



LOW IMPACT DEVELOPMENT (LID) SAMPLER

August 2007

The Low Impact Development Sampler is a selection of LID projects in eleven of the Upper Susquehanna Coalition's fourteen member counties (as of 2003). The Sampler was created to:

- Show the variety of LID techniques already in place in the region.
- Prove that LID works in northern climates.
- Provide enough financial and technical information so that the reader can decide if that practice will work for him/her.
- Encourage more use of LID techniques so that rainwater becomes a resource rather than a costly and dangerous burden.
- Present the information in an easy-to-read format.

We hope you enjoy this booklet and can use some of the ideas it contains.



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In conjunction with the
member counties of the:
Upper
Susquehanna
Coalition

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Schuyler County, NY Rain Garden

Project Location: Between the Village of Montour Falls Clerk's Office and Library, 408 W. Main St., Montour Falls

All three southern tier counties, Chemung, Schuyler and Steuben, approached the Finger Lakes—Lake Ontario Watershed Protection Alliance (FL-LOWPA) to fund a demonstration rain garden / rain barrel program in 2009. The Schuyler County Soil and Water Conservation District and Cooperative Extension took the lead to find a location that would improve an urban drainage pattern and be open to the public as an educational project. Working with the Village of Montour Falls, they selected a patch of lawn between the Clerk's Office and Library to transform into a pleasing garden with a twist.



Here is the finished rain garden tucked between the Village Clerk's Office and the Library.



Two roof drains contribute water to the Village of Montour Falls rain garden.

The group did their math to compute the amount of rainfall from the roofs that would be directed to the space approximately 15 feet wide by 30 feet long. You can see the two downspouts directed into the rain garden in the photo to the left.



A splash pad was needed to disperse the water.

SWCD and Cooperative Extension staff, with the assistance of a local nursery, laid out the garden. The Schuyler County Highway Department and Village of Montour Falls highway crew dug out the area and placed heavy stone, #2 stone and topsoil. Two 4-H groups helped plant azaleas, coreopsis, hosta, day lilies, red-stem dogwood, blue holly, variegated euonymous, astilbe, coral bells and rudbeckia (black-eyed susan).

CONSTRUCTION COSTS: \$3503

Materials: Larger stone (bone) @ 8.4 tons: \$126
#2 Stone @ 11.2 Tons: \$202
Topsoil @ 8 yards: \$120
Perennial plants and shrubs: \$775
Labor: Backhoe for 12 hours: \$600
Workers for 112 hours: \$1680

ANNUAL MAINTENANCE COSTS: \$50

Expect to add mulch each year. ARC has volunteered to undertake this on-going weeding and maintenance work.