

Green Infrastructure Practice Information Form
For Orange County Soil and Water Conservation District Webpage

Rain Garden
Rain Barrel
Permeable Pavement
Bioswale
filter strip
green roof
stormwater planter
other

Type of Practice: Rain Garden

Site Owner: County of Orange

Location (mailing address): SUNY Orange, 115 South Street, Middletown, NY 10940

Designed By: OCSWCD, planting plan by Cornell Cooperative Extension

Installed By: Vellenga Lawn Care
Plant Installation and final landscaping by Cornell Cooperative Extension (CCE) , Master Gardeners

Cost: Planning,design, construction oversight - approx.
Construction - approx.

Funding Source(s): Partial funding through NYSDEC Water Quality Improvement Program (WQIP)
and a NYSDEC HREP/NEIWPC award to Orange County Land trust
with in-kind staff time contributions from OCSWCD

Site Accessible to the Public? Yes.

Contact for Permission to Visit Site: No permission necessary. Site is on the Campus 'Green' between library
and Morrison Mansion.

Other Details/Comments:

This Rain garden was planned, designed and built in cooperation with the SUNY Orange Sustainability Coordinator, Kirsten Gabrielson. The site was originally identified by students completing a 'green infrastructure' opportunity inventory for Dr. Joe Zurovchak's Environmental Conservation class. The garden was designed so that in the event that it fills up, excess flows bypass to the existing catch basin (in effect, a 'high flow bypass'). An underdrain was installed but its depth was limited by the catch outlet elevation. Stone was installed below the under drain to encourage infiltration, the drain acts as an overflow. The native soil was tested and showed slow infiltrative capacity, so it was replaced with a select soil mixture. The garden was skillfully integrated with a pre-existing planting bed by CCE horticulture department and Master Gardeners.