

# #12(h)EPA-38

## Ruffing Storm Water Lab

### Project Sponsor

Ruffing Montessori School  
Federal Section 319(h) Grant  
\$217,283 Federal  
\$181,065 Local Match

### Local Project Contact

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### Environmental Results

Installed 4,434 square feet of permeable pavement

Installed one rainwater harvesting/reuse system (roof runoff from another area is directed into an underground cistern which is accessed by a hand-pump, enabling students to use the rain water in the classroom gardens)

Installed 1,161 square feet of bioretention cells to capture, hold and clean the stormwater runoff before it is directed into the storm sewer.

Daylighted the downspout located adjacent to the main building entry (stormwater hits a splash-pad and travels through a trench drain in the sidewalk, under the driveway and into the first bioretention cell

Installed observation wells in the permeable pavement to allow students to observe and measure water quality and quantity levels, and compare them to runoff from traditional pavement



Division of Surface Water  
Nonpoint Source Program

