#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