

Langdon Education Center



Maury Elementary School



St. Columba's Nursery School



PROJECT DESCRIPTION

Greening Urban, LLC (GU) has an outstanding relationship with DOEE's as the **selected Civil Engineering Firm for 2 previous contracts for 5 RiverSmart School Projects**. The work for the five schools listed below included, multiple types of stormwater retrofits with a strong emphasis on education. All projects were complete on time and within budget.

The SEED Public Charter: GU provided a combination of rainwater harvesting for use of cleaning school vehicles and centrally located bioretention areas that provide educational and site amenity space for the school kids. *Final Design/ Construction \$73,000 / 3,500sqft/ Start Date: 2013 – Ending Date: 2014.*

Phelps Architecture School: GU provided a parking lot retrofit of a large bioretention area that combines treating polluted runoff with education opportunities for the students- including soil and water quality testing. *Final Design and Construction \$79,000 / 2,500sqft/ Start Date: 2013 – Ending Date: 2014.*

Langdon Education Campus: This project involved the transformation of a failing drainage system and blank asphalt canvas, to a functional and thriving landscape on campus. GU conceptualized and designed a system of bioretention and infiltration areas around the existing parking lot and paved play areas that would reduce the amount of runoff draining from the site to the District's stormwater system. The plans incorporate a reduction in unused paved areas on the site in exchange for playful and innovative runoff capture and treatment areas. *Final Design and Construction \$98,000 / 4,500sqft / Start Date: 2013 – Ending Date: 2014.*

Maury Elementary School: GU designed a system of bioretention areas around the playground that will engage students and enhance the school's landscape. Working closely with school officials, the plans incorporate outdoor education features, such as, reading spaces, and opportunities for individual exploration throughout the playground garden. In addition to its educational and aesthetic value, this learning landscape and stormwater design provides effective stormwater treatment facilities to reduce runoff pollution and volume to the existing system. *Final Design and Construction \$75,000 / 3,900sqft / Start Date: 2013 – Ending Date: 2014.*

St. Columba's Nursery School: GU designed civil and landscape plans for the transformation of the school's play area. The incorporation of existing stormwater outfalls and the need to address erosion and sedimentation issues on an existing slope were key challenges to the design. The result is a unique and beautiful play garden complete with a meandering dry stream, large infiltration bed with a walkable surface, and colorful repurposed tires used as planters and accents. We worked closely with school officials to address current concerns and propose exciting new opportunities for the space. Stormwater runoff from the site will now be effectively managed on site while also offering intriguing learning activities for the students. *Final Design/ Construction \$105,000 / 3,600sqft / Start Date: 2013 – Ending Date: 2014*

PRIME CONSULTANT/CLIENT:
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GREENING URBANS BUDGET:

Estimated: N/A
Actual: (broken down in write-up)
– Combined \$430,000

COMPLETION DATE:
2014