



GREEN STREETS | GREEN JOBS | GREEN TOWNS INITIATIVE






The Green Streets, Green Jobs, Green Towns Partnership (G3) aims to stimulate the green jobs market and enable families to work where they live and play. Small to mid-sized communities can boost their local economies and protect water resources through the use of watershed planning, design and construction of stormwater best management practices.



The Salvation Army Harrisburg Building Expansion and Stormwater Management Project

The Salvation Army Harrisburg aims to add green infrastructure practices that will reduce stormwater volume, improve stormwater quality, and provide educational opportunities to teach local communities about local water systems and stormwater management.

Estimated Project Metrics

-  6,000,000 gallons of rainwater treated annually
-  20,000 ft² of rain gardens
-  1100 native plants planted
-  100 trees planted
-  80,586 ft² of impervious surface removed
-  Supports 65 Green Jobs
-  75 Partners with multiple educational opportunities

The Salvation Army Harrisburg Capital City Region offers a broad spectrum of programs and services to meet the needs of children, families and seniors in several counties in Pennsylvania. In 2013, after 60 years, in need of additional space, the organization decided to move to allow for growth.

The new site at 29th Street and Rudy Road in Harrisburg is ideally situated near clients most in need of Salvation Army services, is accessible via a central bus route, and is in close proximity to several local schools. An urban retrofit project, existing vacant buildings will be demolished to enable construction of the new facility and ample green space.

impervious by 1.8 acres, while maintaining and protecting the special value woodland feature. Overland sheet flow of stormwater runoff to green stormwater control structures will be promoted. Rain gardens proposed for the project site will be planted with native, deep rooted trees and shrubs providing for evapotranspiration and nutrient pollutant reduction.



Stormwater control for this site will use a variety of green infrastructure measures that exceed state water quality standards and requirements. The existing site is 81% impervious (5.5 acres), but it does boast a 0.65-acre wooded area, unusual for a heavily urbanized area. The site retrofit will reduce the amount of



PROJECT ELEMENTS

- **Impervious pavement removal** – Rain hits impervious surfaces such as parking lots and roads, and because it cannot soak through, it instead runs off into storm drains or directly local waterways. The new Salvation Army Harrisburg site contains 5.5 acres of impervious surfaces that drain directly into the adjacent Spring Creek. The unnecessary area of this parking lot will be removed and planted with native vegetation.
- **Native Trees**– In urban areas a single tree can intercept from 500 to 4,000 gallons per year. Trees not only treat stormwater, they provide a host of other benefits, including energy cost reduction in both summer (shade) and winter (proper placement can result in the reduction of energy use by 20-50%), aesthetics, property value enhancement, business traffic enhancement, and health benefits.
- **Conservation Landscaping**– Native plants and shrubs require less maintenance and absorb rainwater, hold soils in place, and provide food and habitat for birds, pollinators, and other wildlife.
- **Rain Gardens**– These features filter and reduce stormwater runoff, allowing it to infiltrate into the ground before it enters into the storm drain system
- **Educational Signage** – Signage will educate visitors about the various stormwater practices and features at the facility.
- **Rainwater Cisterns**- Cisterns will be hooked up to buildings in selected spots to collect and store rainwater for non-potable uses.
- **Green Jobs and Engagement of local businesses** – Local management firms, construction firms, and suppliers were used to complete the project, supporting local jobs. In addition, the site will be used to train young people seeking jobs in the green infrastructure .



SUSTAINABILITY & GROWTH: ADDITIONAL GREEN ACTIVITIES

Located in close proximity to the discharge point into Spring Creek, the site’s green infrastructure measures will provide educational opportunities to teach youth and local community members about local water systems. The Salvation Army Harrisburg will host environmental classes to educate residents on the importance of saving and reusing water, water quality, and stewardship practices that reduce urban nonpoint source pollution and help protect stream habitat. A workforce development program that recruits residents of the City of Harrisburg may also be created to empower residents with transferable skills and knowledge about stormwater management and maintenance. These programs will encourage green infrastructure adoption, increase property values, decrease crime, and improve overall city beautification.

G3 Grant Awarded:	\$29,760
Total Project Cost:	\$11,000,000
Status:	Awarded

Current site conditions



Project Partners: Capital Region Water
Chesapeake Bay Trust, U.S. Environmental
Protection Agency