



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.

BOROUGH OF CHAMBERSBURG Rhodes Drive Reconstruction and Stormwater BMP Implementation Project

The Borough of Chambersburg, located in Franklin County, Pennsylvania, is currently advancing plans to improve a vital corridor within the Borough's jurisdiction utilizing green infrastructure as a primary project component.

In 2015, the Borough created the Municipal Separate Storm Sewer System ("MS4") Department. The MS4 Department has since outlined a Capital Improvements Program for 2016, a plan that includes improvements associated with Rhodes Drive. Rhodes Drive is a priority project for the MS4 Department due to the number of infrastructure-related concerns. Structurally, Rhodes Drive is in extremely poor condition.

into the Conococheague Creek, which is a tributary of the Potomac River that ultimately empties into the Chesapeake Bay.

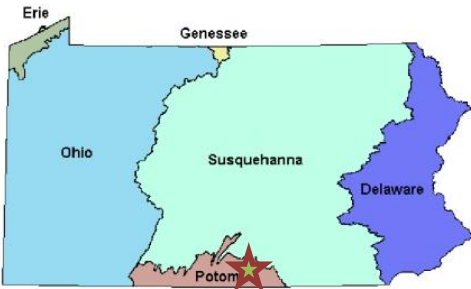
The Borough is hoping to set a positive trend and important precedent with the Rhodes Drive infrastructure improvements, as the project will be the first MS4 Department storm sewer project to incorporate Best Management Practices (BMPs).

Recently, an inspection of the driving surface of Rhodes Drive revealed a significant amount of heaving, a condition that cannot be taken lightly for an emergency access route. With the destructive heaving observed along the roadway, it is necessary that the Borough takes appropriate steps to reconstruct the road in order to eliminate any concerns associated with traveling along this corridor.



Conceptual Project Outcome

Additionally, Rhodes Drive includes stormwater inlets, which discharge directly into the Falling Spring Creek, a waterway flowing



Estimated Project Metrics



1,200,000 gallons of rainwater treated annually



5004 ft² of bioretention area implemented



2,860 ft² of impervious surface removed



Supports 16 Green Jobs

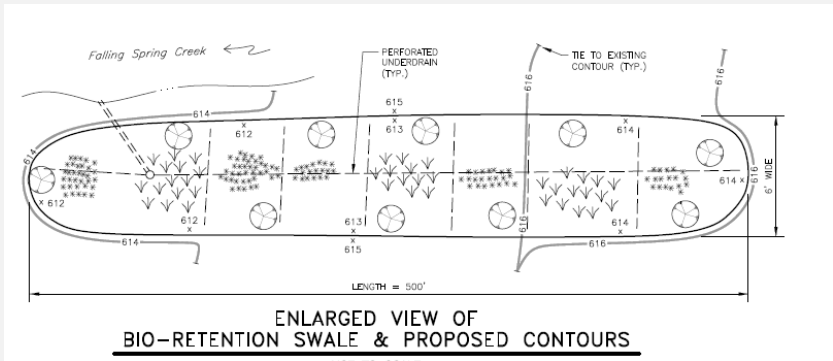


PROJECT ELEMENTS

- **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 Rhodes Drive reconstruction project will replace 1.07 acres of road and sidewalk with pervious pavement and bioretention area.
- **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.
- **Bio-Retention Areas**– These features filter, store, 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.
- **Stormwater Management**- The replacement of two stormwater inlet structures, including the stormwater piping that connects the two structures will help to reduce the surge volume flowing into the Falling Spring Creek during storm events.
- **Green Jobs and Engagement of Local Residents**– The implementation of the Project support at least 16 “green” jobs, resulting from construction, planting of vegetation, maintenance and the creation and installation of interpretive signage. Once the Project is complete, the Borough will launch a structured volunteer program for regular maintenance activities. Volunteers for these activities are expected to include college interns, senior residents, Boy and Girl Scout troops, and local school students.

G3 Grant Awarded: \$115,269
 Total Project Cost: \$286,936
 Status: Awarded

Current site conditions



SUSTAINABILITY & GROWTH: COMMUNITY INFRASTRUCTURE

The Borough, with the support from Downtown Chambersburg, Inc. (“DCI”) is seeking to incorporate green infrastructure within the community. Specifically, the Borough’s MS4 Department is proactively working to implement stormwater BMPs into their own stormwater projects, with a focus on incorporating green infrastructure wherever it is cost effective and efficient to do so. In DCI’s latest Strategic Plan (“Plan”) for continued revitalization three “safe, clean, and green” goals were highlighted. The proposed CBT Project falls directly in line with these goals. Specifically, Rhodes Drive was a preliminary enhancement option identified and further discussed within the Plan as a potential project to meet the “safe, clean, and green” Green Streets improvements



Project Partners: Tower at Falling Spring, Coyle Free Library, Chesapeake Bay Trust, U.S. Environmental Protection Agency