



## 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.



## RHODE ISLAND AVENUE GREEN STREET AND HOLLYWOOD GATEWAY WIND AND WEATHER PARK PROJECTS - CITY OF COLLEGE PARK, MD

College Park leverages green infrastructure with roadway and trail improvements to benefit the community.



1.9 acres of impervious surface treated



12,315 sf of rain garden



1070 native plants



20 trees



1000 sf of impervious pavement removed



1000 sf permeable pavement installed

The City of College Park has pursued a series of projects to green its streets, parks, and neighborhoods. First, the City received funding to evaluate creative solutions for stormwater management along a segment of Rhode Island Avenue. Green elements were added to an already planned road reconstruction project, which will help reduce the impact of stormwater runoff pollution.

This project provides an excellent example of retrofitting green infrastructure along a roadway with constraints such as narrow sidewalks and right-of-ways; and extensive underground utilities. The proposed design converts portions of the existing grassed drainage channel into a bio-swale that will treat 65% of impervious areas from a drainage area of 2.7 acres. Proposed signage will include a quick response code that links to the City's website promoting other green

infrastructure features within the City.

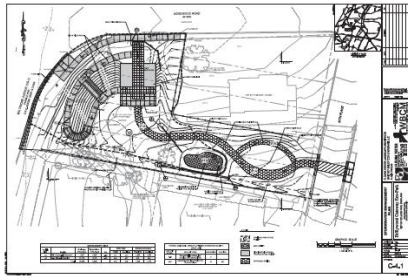
Next, the City pursued a "Wind and Weather Park." The project will showcase green infrastructure practices, enhance pedestrian connectivity from the community to Baltimore Avenue, provide recreation opportunities, improve water quality, and increase awareness about sustainability through educational displays and interpretive signage. The stormwater features will treat 0.26 acres (12,499 sf) total including 0.10 acres (4,505 sf) of impervious surface within the highly urbanized Indian Creek watershed.



# PROJECT ELEMENTS

- **Streetside bioretention cells /stormwater planters**– These features filter and reduce stormwater runoff, allowing it to infiltrate into the ground, before it enters into the storm drain system. Curb cuts allow water to enter from the street during rain events.
- **Sidewalk trees/Tree boxes**– Native trees reduce urban heat island effect, reduce stormwater runoff, improve air quality, and increase property values
- **Impervious pavement removal**– The existing roadway was narrowed significantly, allowing implementation of conservation landscaping.
- **Conservation landscaping** – Native plants, which require less maintenance, capture rainwater and hold soils in place.
- **Soil amendment**– Soil amendments improve water infiltration, permeability, drainage, aeration, and structure.
- **Permeable pavement** – Permeable pavement allows stormwater to soak into the ground. Several different kinds of permeable pavement are used at this site, allowing visitors to compare and contrast options for their own use.
- **Wayfinding/Educational Signage**– Describes the bioswales and native plants while creating a community identity

G3 Grant 1-Design: \$35,000  
 G3 Grant 2– Construction: \$80,960  
 G3 Grant 3 – Construction: \$150, 866  
 Match Contribution: \$280,899  
 Status: Under construction

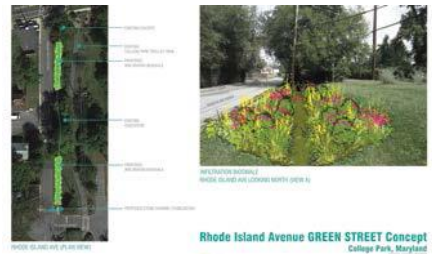


# SUSTAINABILITY & GROWTH: ADDITIONAL GREEN ACTIVITIES

The City of College Park has been actively involved in efforts to restore and preserve the Anacostia watershed. These efforts have ranged from working with private sector developers to restore stream valleys; embarking on an ambitious urban tree canopy plan; working with consultants to study and evaluate options for restoration efforts; and collaborating with the State, County, and other watershed organizations. College Park’s greening efforts serve as an example of how to move projects through successive stages of development and funding, tie together multiple projects and leverage funds.

In May 2014, the City received final engineered design funding and construction funding for the installation of the Rhode Island Avenue green infrastructure features. The final design and construction of Rhode Island Avenue will increase infiltration and filtration of runoff, reduce storm flows, mitigate the urban heat island effect, and enhance the overall health of the Anacostia watershed.

This project is an example of how communities, when faced with infrastructure challenges and projects, can implement a green component to them that will ultimately save money by treating stormwater. The City’s desire to include a citizen engagement component to both of these projects illustrates its commitment to green infrastructure advancement.



Project Partners: City of College Park;  
 Chesapeake Bay Trust, MD  
 Department of the Environment, U.S.  
 Environmental Protection Agency, Low  
 Impact Development Center