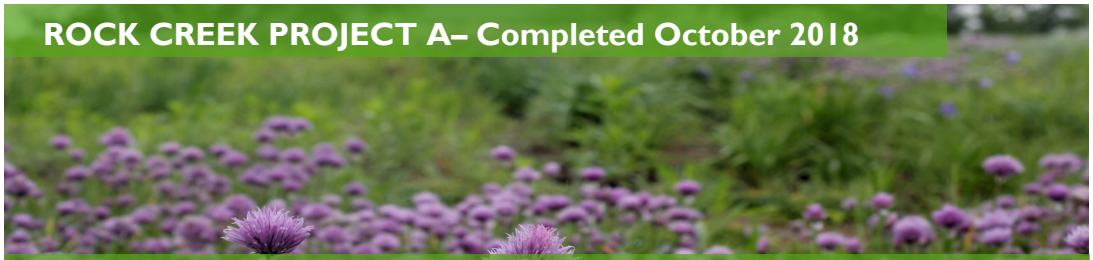


ROCK CREEK PROJECT A– Completed October 2018

GREEN INFRASTRUCTURE PROGRAM

A part of the DC Clean Rivers Project

CONTACT INFO

Rock Creek Project A
dcwater.com/rockcreekgreen
cleanriversgi@dcwater.com

DC Water Customer Service
202-354-3600

ROCK CREEK PROJECT A is the first Green Infrastructure (GI) project implemented by the DC Clean Rivers Project to significantly reduce the level of pollution to Rock Creek produced by the discharge of stormwater runoff and sanitary sewer flows, known as combined sewer overflows (CSOs), from the combined sewer system during heavy rain events. Rock Creek Project A involved the construction of innovative GI technologies that include bioretention (rain gardens) in planter strips and curb extensions, permeable pavement on streets and alleys and two GI Parks. In addition to managing stormwater, GI contributes to beautifying the streetscape and making it more welcoming for pedestrians, bicyclists and drivers.

Permeable Pavement

Permeable Pavement allows stormwater runoff to infiltrate through the pavement and into the ground and slowly releases any excess runoff into the combined sewer system.

Alley Permeable Pavement (APP), also known as green alley

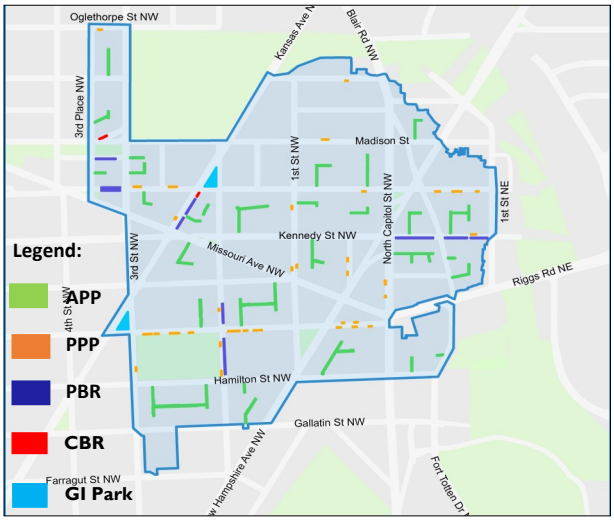
Parking Lane Permeable Pavement (PPP)

Bioretention

Also known as a rain garden, bioretention capture and clean stormwater runoff allowing it to infiltrate into the ground and slowly releases any excess runoff into the combined sewer system.

Planter Bioretention (PBR)

Curb Extension Bioretention (CBR)



Rock Creek Project A Project Boundary and GI Locations

MAINTENANCE

To ensure continued performance of GI and the associated reduction of combined sewer overflows, the GI facilities must be maintained regularly. DC Water is responsible for maintenance of DC Water GI facilities. If you notice any issues with the facilities, please contact DC Water and note the Facility ID located on the sign. Facility ID signs can be found at each GI facility that DC Water constructed in your neighborhood. For more information, see the maintenance factsheet at dcwater.com/rockcreekgreen.

PROJECT AT GLANCE

PROJECT AREA

Oglethorpe Street NW to Gallatin Street NW and 3rd Place NW to First Street NE.

GREEN TECHNOLOGIES

- Permeable parking lanes
- Permeable alleys
- Bioretention planter strips and curb extensions (rain gardens)

Inches of stormwater runoff managed from 20 impervious acres

COMMUNITY BENEFITS

- Local green jobs
- Create more green space
- Beautify neighborhoods
- Improve pedestrian safety
- Provide educational opportunities
- Reduce localized drainage issues on streets and alleys

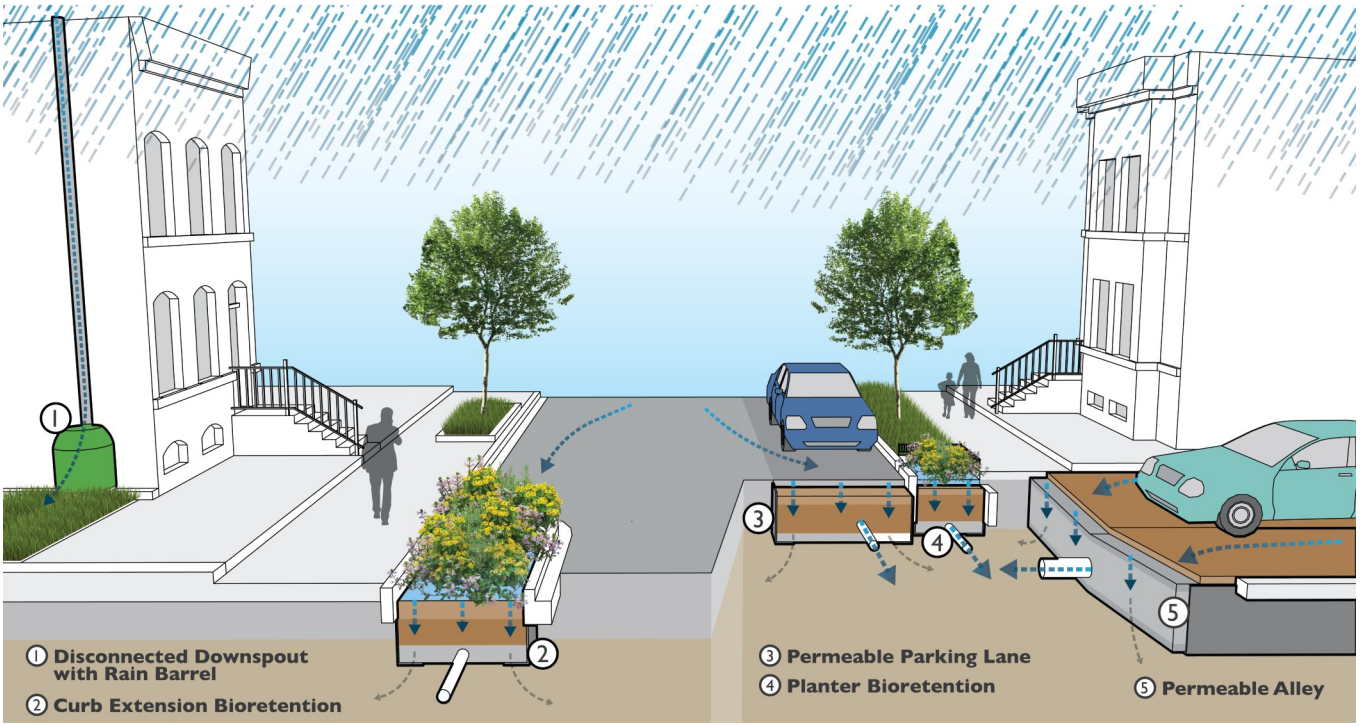
ONGOING MAINTENANCE

Construction activities for Rock Creek Project A were completed in 2018. DC Water will continue to complete ongoing maintenance of all DC Water GI facilities.

Example GI Facility ID Sign

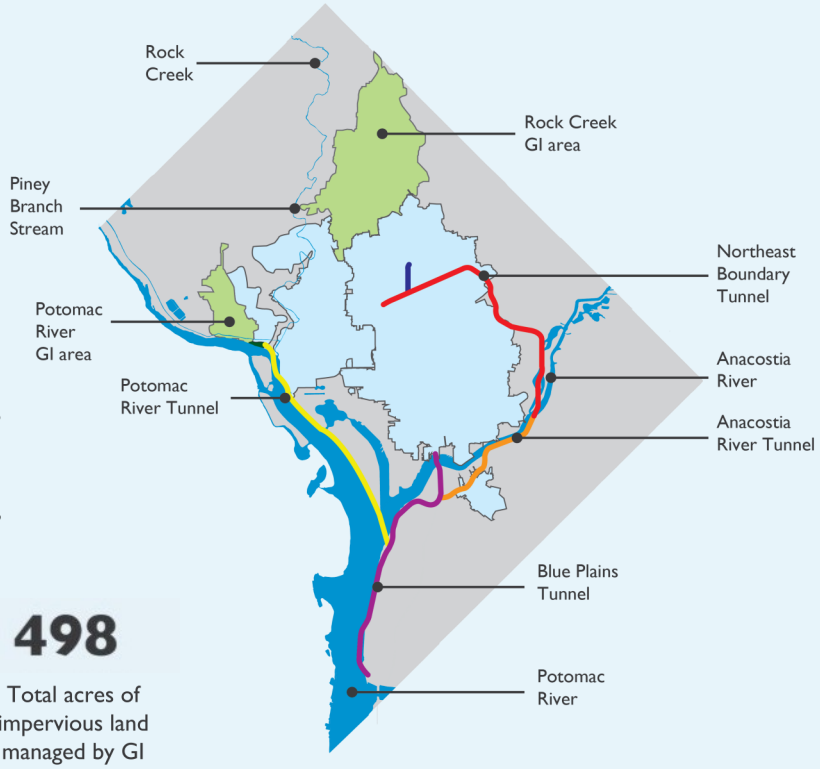
WHAT IS GREEN INFRASTRUCTURE?

GREEN INFRASTRUCTURE (GI) practices manage stormwater by taking advantage of the earth's natural processes. These include allowing water to infiltrate into the soil, evaporate into the air, or for plants to use the water and transpire it as vapor. These practices can slow down, clean, and, in some cases, reduce stormwater runoff prior to it entering the combined sewer system.



THE DC CLEAN RIVERS PROJECT (DCCR) is DC Water's massive infrastructure program to reduce combined sewer overflows (CSOs) into the District's waterways — the Anacostia and Potomac Rivers and Rock Creek. It includes green infrastructure and more than 18 miles of tunnels that are larger than the Metro tunnels and are constructed more than 100 feet below the ground. The tunnels are designed to capture CSOs during heavy rain events and transport the flows to the Blue Plains Advanced Wastewater Treatment Plant for treatment.

With the DC Clean Rivers Project, DC Water will improve our waterways by reducing CSO volume system-wide by 96% in the average year and by 98% to the Anacostia River alone. DC Clean Rivers Project will also provide flood relief to neighborhoods in the Northeast Boundary section of the city, such as Bloomingdale, LeDroit Park, Trinidad and Ivy City.



96%
Reduction of system-wide CSO volume

98%
Reduction of CSO volume to the Anacostia

18
Linear miles of tunnels, over 100 ft below the ground

498
Total acres of impervious land managed by GI

General Contact Info:

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cleanriversgi@dcwater.com

DC Water Office of External Affairs
202-787-2200