

POTOMAC RIVER PROJECT A- Completed March 2019



GREEN INFRASTRUCTURE PROGRAM

A part of the DC Clean Rivers Project

CONTACT INFO

Potomac River Project A
 dcwater.com/potomacrivergreen
 cleanriversgi@dcwater.com

DC Water Customer Service
 202-354-3600

POTOMAC RIVER PROJECT A is the first Green Infrastructure (GI) project implemented by the DC Clean Rivers Project to significantly reduce the level of pollution to the Potomac River 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. Potomac River Project A involved the construction of innovative GI technologies that include bioretention (rain gardens) in planter strips and permeable pavement on streets and alleys. In addition to managing stormwater, GI contributes to beautifying the streetscape and making it more welcoming for pedestrians, bicyclists and drivers.

PROJECT AT GLANCE

PROJECT AREA

Glover Park and Burleith neighborhoods of Northwest Washington, DC.

GREEN TECHNOLOGIES

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



Inches of stormwater runoff managed from 8 impervious acres

COMMUNITY BENEFITS

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

ONGOING MAINTENANCE

Construction activities for Potomac River Project A were completed in 2019. DC Water will continue to complete ongoing maintenance of all DC Water GI facilities.

dc water is life | dc clean RIVERS PROJECT
Green Infrastructure Program
PERMEABLE PAVEMENT
 report issues: 202-354-3600 or custserv@dcwater.com
 learn more: dcwater.com/green
PP00

Example GI Facility ID Sign

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)

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.



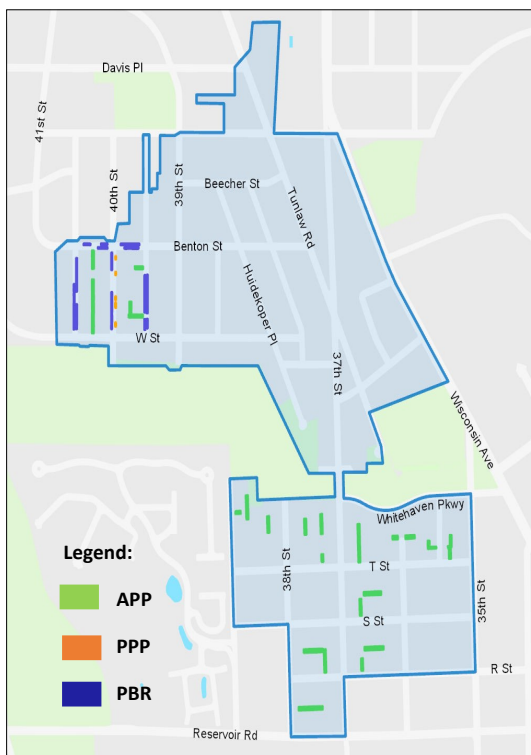
Alley Permeable Pavement (APP), also known as green alley



Parking Lane Permeable Pavement (PPP)

MAINTENANCE

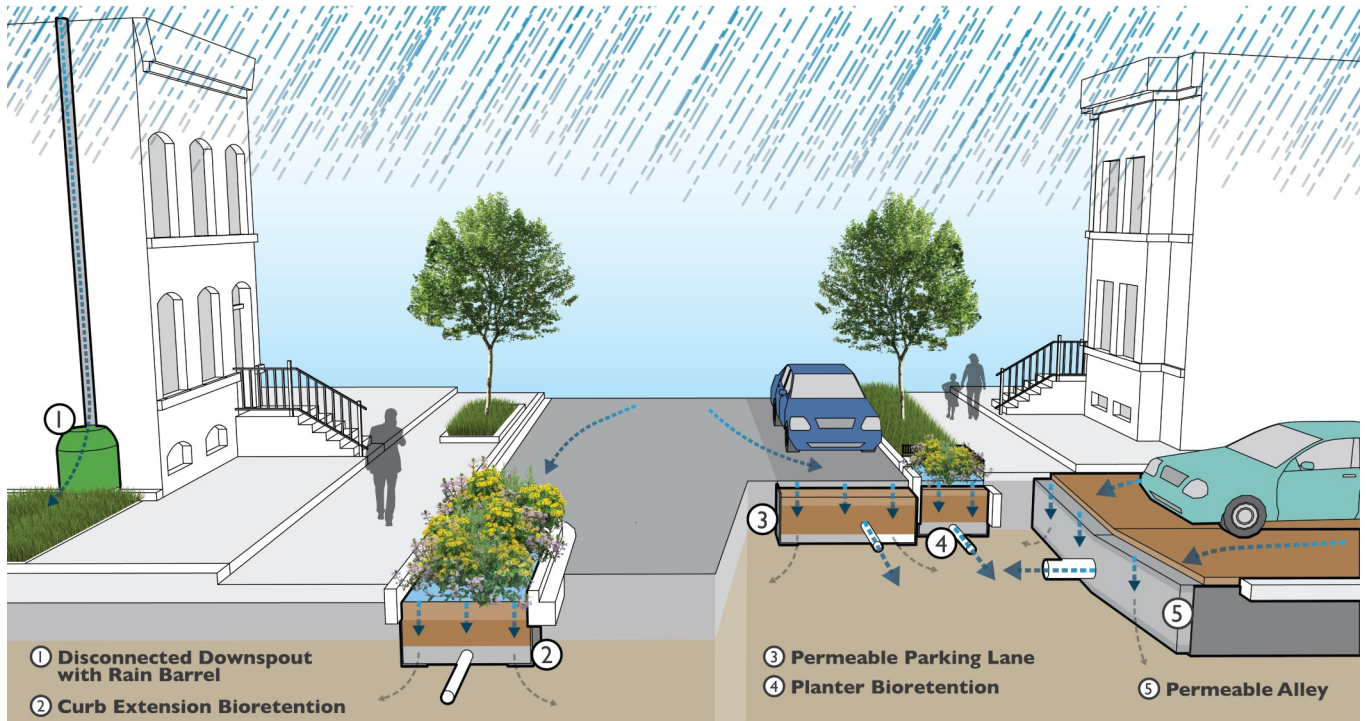
To ensure continued performance of GI and the associated reduction of combined sewer overflows, the GI facilities must be maintained regularly. DC Water is responsible for maintenance of DC Water GI facilities. If you notice any issues with the facilities, please contact DC Water and note the Facility 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/potomacrivergreen.



Potomac River Project A Project Boundary and GI Locations

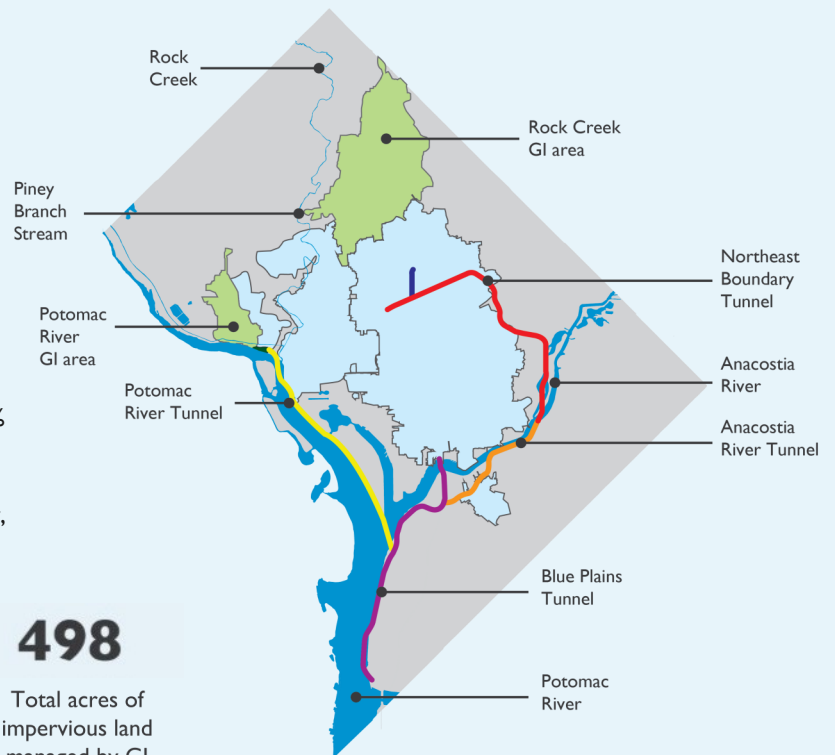
WHAT IS GREEN INFRASTRUCTURE?

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:

dcwater.com/green
cleandriversgi@dcwater.com

DC Water Office of External Affairs
 202-787-2200