

POTOMAC RIVER PROJECT A

2018



CONTACT INFO

Potomac River Project A

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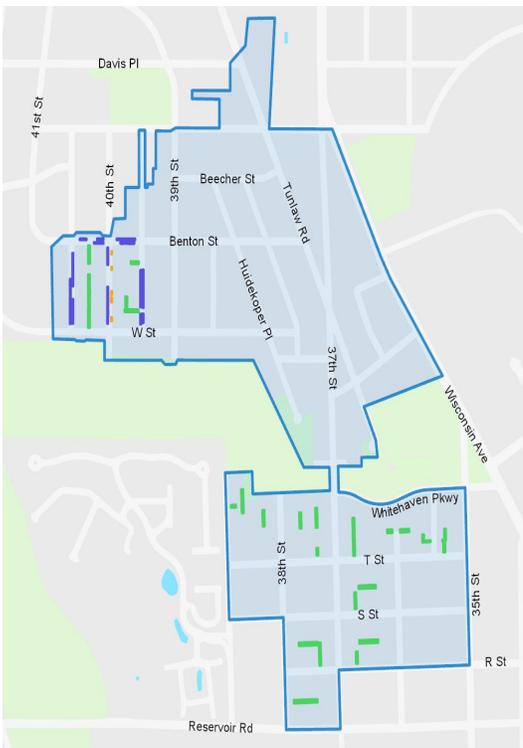
DC Water Office of External Affairs
202-787-2200

GREEN INFRASTRUCTURE PROGRAM

A part of the DC Clean Rivers Project

POTOMAC RIVER PROJECT A

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 and snow events. Potomac River Project A involves the construction of innovative GI technologies that include bioretention (rain gardens) in planter strips and permeable pavement on streets and alleys. These practices will manage stormwater by taking advantage of the earth's natural processes, such as allowing the water to infiltrate into the soil, evaporate into the air, or for plants to use the water and expire it as vapor. In addition to managing stormwater, GI will contribute to beautifying the streetscape and making it more welcoming for pedestrians, bicyclists and drivers.



Potomac River Project A project boundary and GI locations



Alley Permeable Pavement



Parking Lane Permeable Pavement

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



Planter Bioretention (Rain Gardens)

Bioretention capture and clean stormwater runoff allowing it to infiltrate into the ground and slowly releases any excess runoff into the combined sewer system.



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

COMING TO YOUR NEIGHBORHOOD SOON

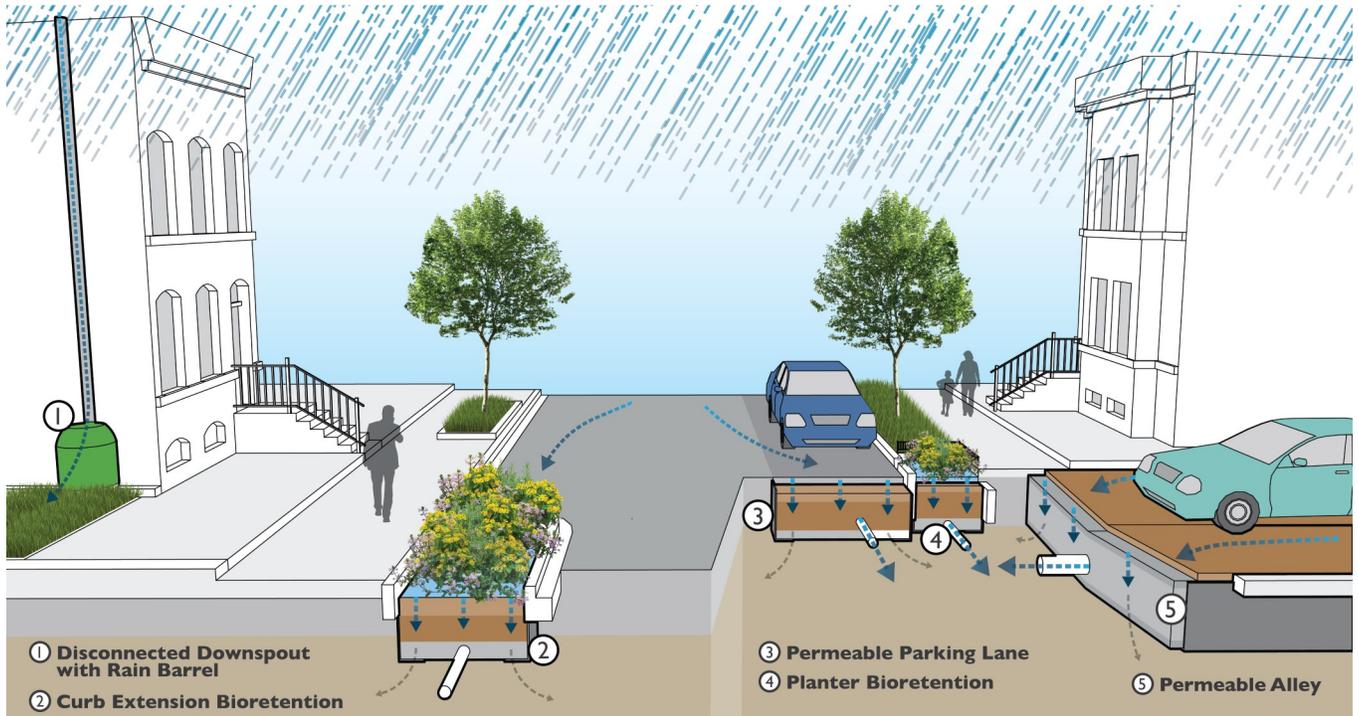
Potomac River Project A is composed of two areas in the Glover Park and Burleith neighborhoods of northwest Washington, DC. delineated by: Calvert St NW to Whitehaven Pkwy and 40th Pl NW to Wisconsin Ave NW; and Whitehaven Pkwy to Reservoir Rd NW and 39th St NW to 35th St NW. Construction work will be phased throughout the project area to minimize traffic and other construction impacts to the community.

ANTICIPATED SCHEDULE

Construction activities for Potomac River Project A are anticipated to begin mid-June 2018 and to be completed late-March 2019. Construction work will be phased throughout the project area to minimize traffic and other construction impacts to the community. From 2019 to 2020, the GI practices will be monitored and assessed to evaluate performance.

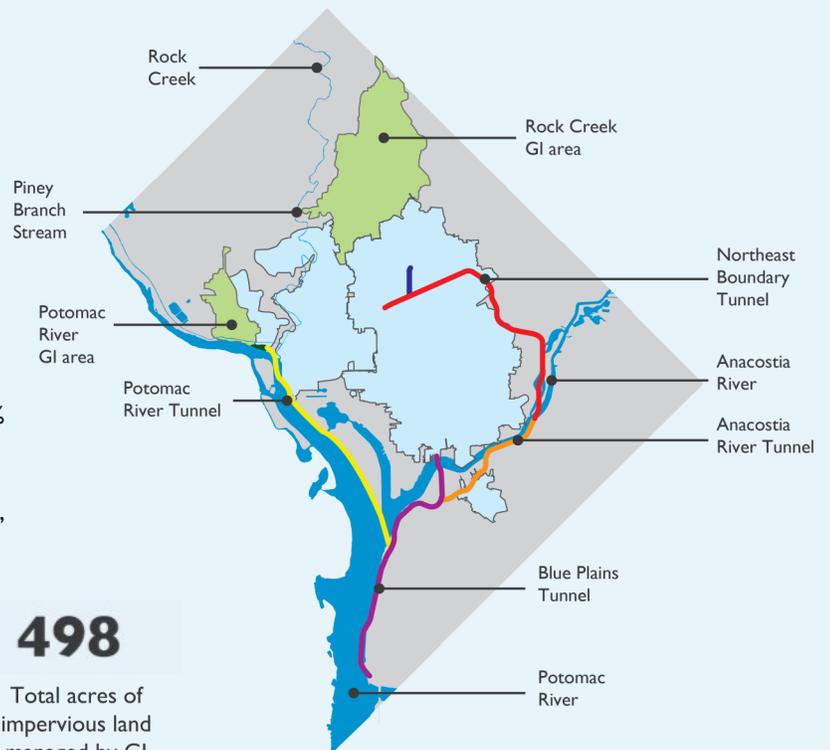
WHAT IS GREEN INFRASTRUCTURE?

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

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