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GREEN INFRASTRUCTURE PROGRAM

A Part of the DC Clean Rivers Project

ROCK CREEK GI PROJECT A

Rock Creek Project A is the first Green Infrastructure (GI) project constructed 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 and snow events. Rock Creek Project A involves the construction of innovative GI technologies that include rain gardens on planter strips and curb extensions, permeable pavement on streets and alleys, and downspout disconnection (including rain barrels). 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 safer and more welcoming for pedestrians, bicyclists and drivers.



Rock Creek Project A project boundary

Rock Creek Project A area extends from Oglethorpe Street NW to Gallatin Street NW and 3rd Place NW to First Street NE. Construction activities for Rock Creek Project A are anticipated to begin in summer of 2017 and to be completed in 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.

PROJECT AT A 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 curb extension (rain gardens)
- Bioretention planter strips (rain gardens)

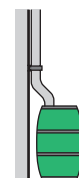


Inches of stormwater runoff managed from **20** impervious acres

COMMUNITY BENEFITS

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

GET INVOLVED



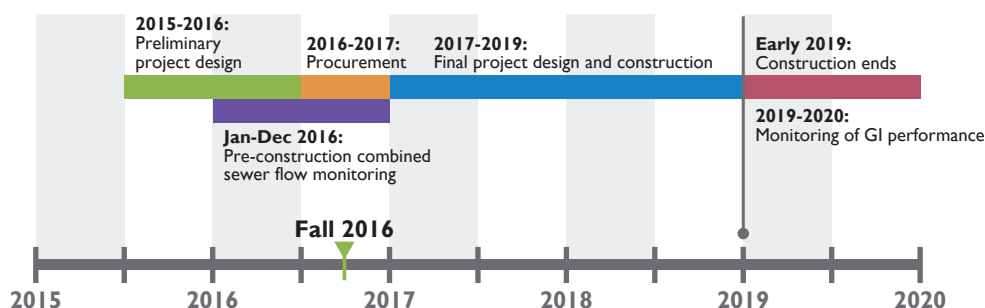
You can help **DRAIN the RAIN!**
Learn about the DC Clean Rivers Project's free and voluntary downspout disconnection and find out if you are eligible to participate! Visit dcwater.com/draintherain.

PROJECT PROGRESS



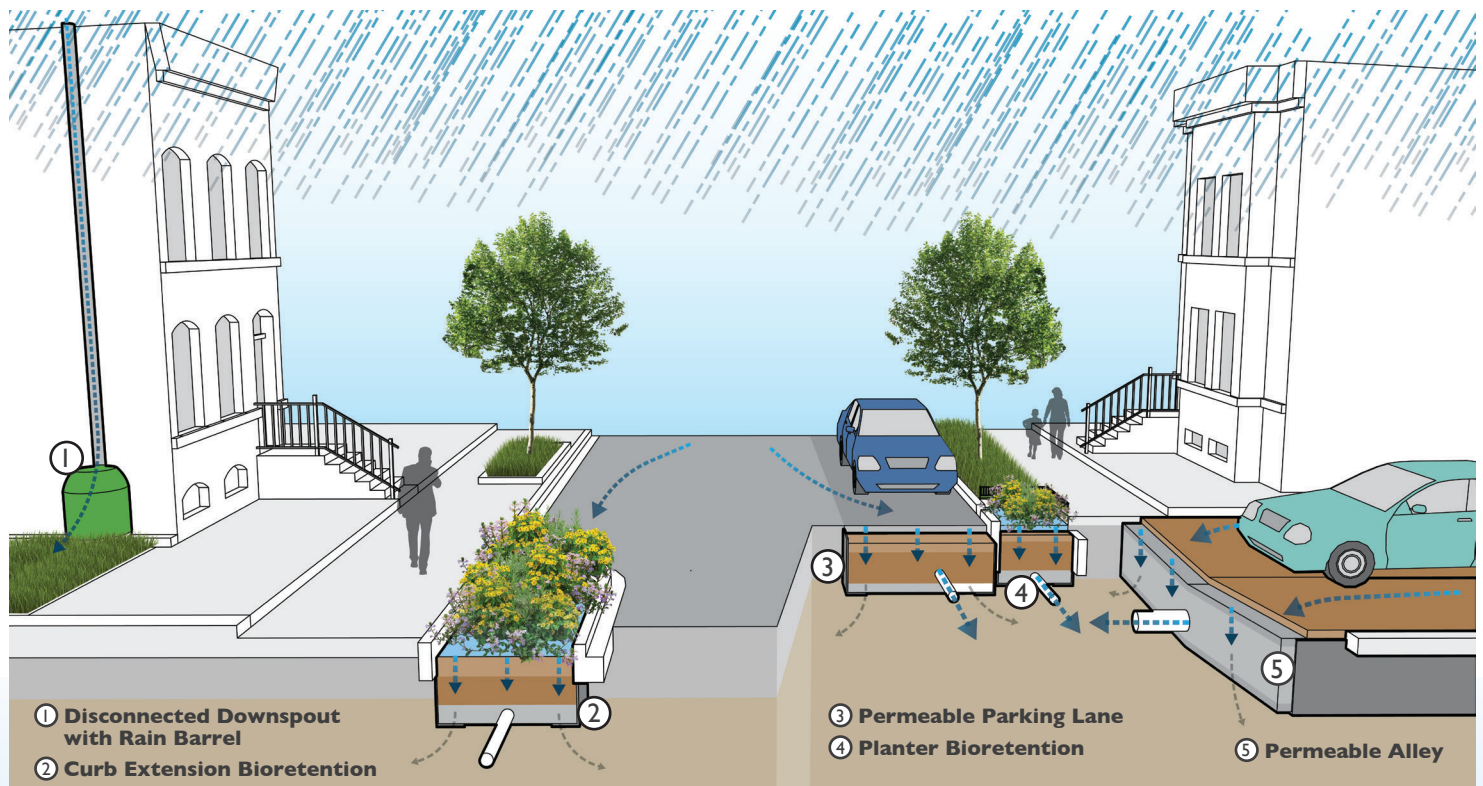
Rock Creek Project A is nearing the first phase of construction, and it is currently on target for early 2019 completion.

OVERALL PROJECT TIMELINE



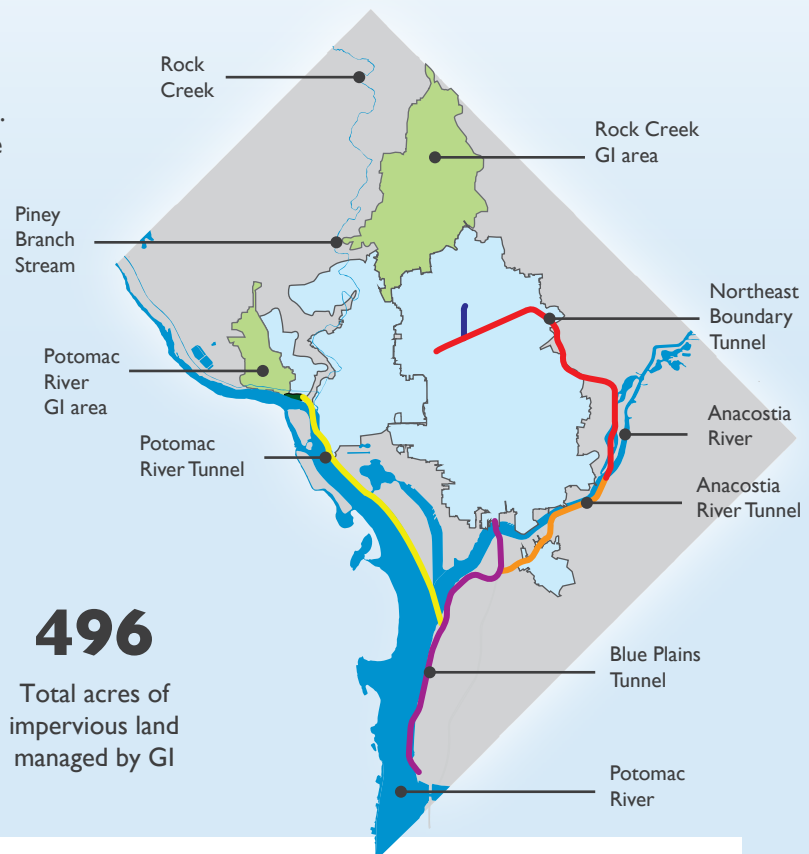
WHAT IS GREEN INFRASTRUCTURE?

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 expire 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 more than 13 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

13

Linear miles of tunnels, over 100 ft below the ground

496

Total acres of impervious land managed by GI

General Contact Info:

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