

GREEN INFRASTRUCTURE CHALLENGE

2018



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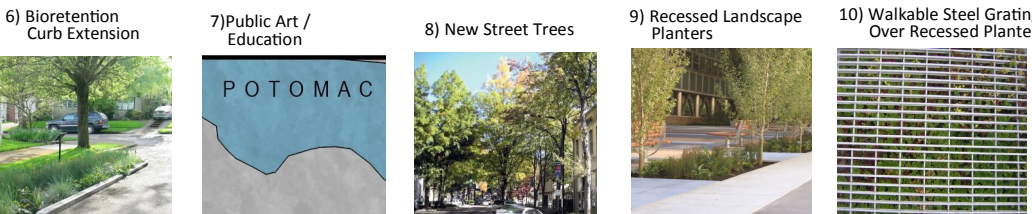
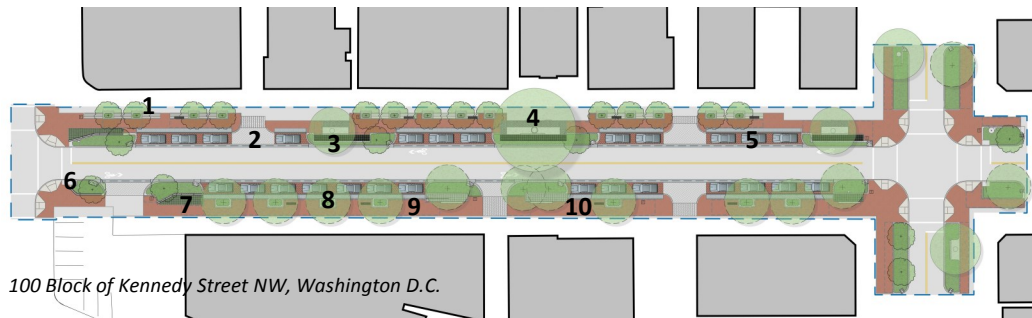
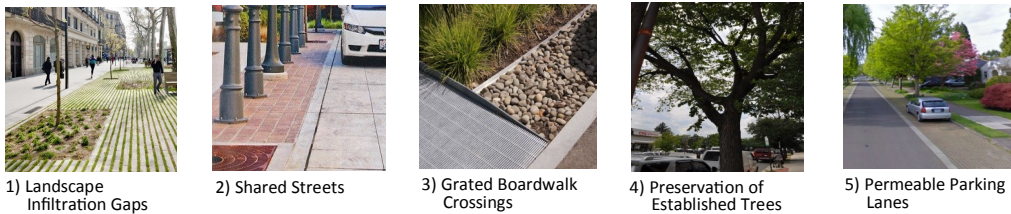
DC Water Office of External Affairs
202-787-2200

GREEN INFRASTRUCTURE PROGRAM

A part of the DC Clean Rivers Project

KENNEDY ST GREEN INFRASTRUCTURE STREETScape PROJECT

DC Water has awarded over \$2 million for construction of Green Infrastructure (GI) practices to be implemented on the **100 block of Kennedy Street NW** under the Kennedy Street Revitalization Project: a partnership between DC Water, the District of Columbia Mayor's Office and the District Department of Transportation (DDOT). GI implemented on the 100 block of Kennedy Street will manage stormwater to reduce combined sewer overflows (CSOs) into the District's waterways, improve traffic and safety conditions and contribute to the revitalization of the historic Kennedy Street NW corridor from Georgia Avenue to North Capitol Street within Ward 4 neighborhoods of Brightwood and South Manor Park. The GI practices implemented through this project will include bioretention (rain gardens), permeable parking lanes, permeable sidewalk pavers, landscape infiltration gaps, new street trees and stormwater related educational art. Construction activities for the 100 block of Kennedy Street NW are nearing completion.



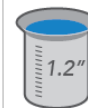
PROJECT AT GLANCE

PROJECT AREA

100 Block of Kennedy Street NW,
Washington, D.C.

GREEN TECHNOLOGIES

- Permeable parking lanes
- Landscape infiltration gaps
- Bioretention curb extension (rain gardens)
- Recessed landscape planters
- New trees/preservation of trees



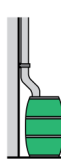
1.2 inches of stormwater runoff managed from 2 impervious acres

COMMUNITY BENEFITS

- Green local jobs
- 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 program and find out if you are eligible to participate! Visit dcwater.com/draintherain

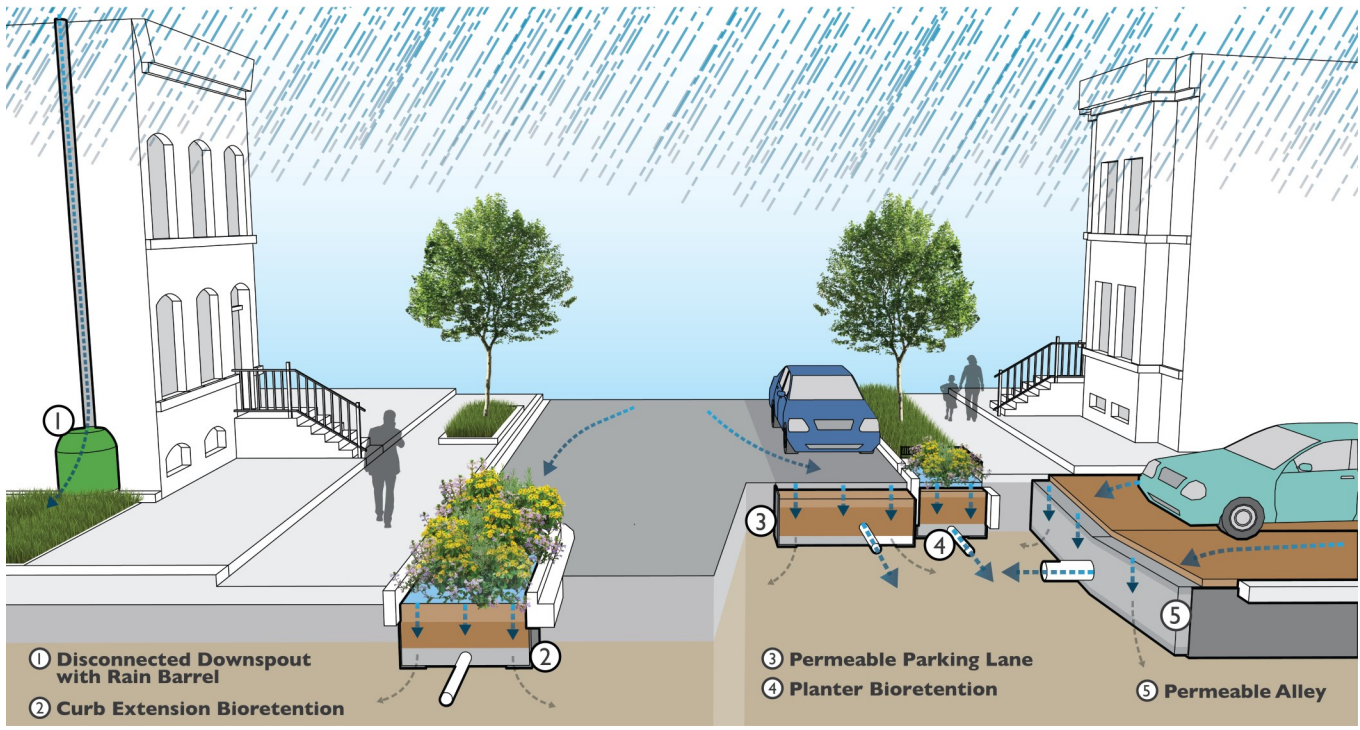
PROJECT SCHEDULE



Kennedy St Green Infrastructure Streetscape Project is under construction and it is currently on target for summer 2018 completion.

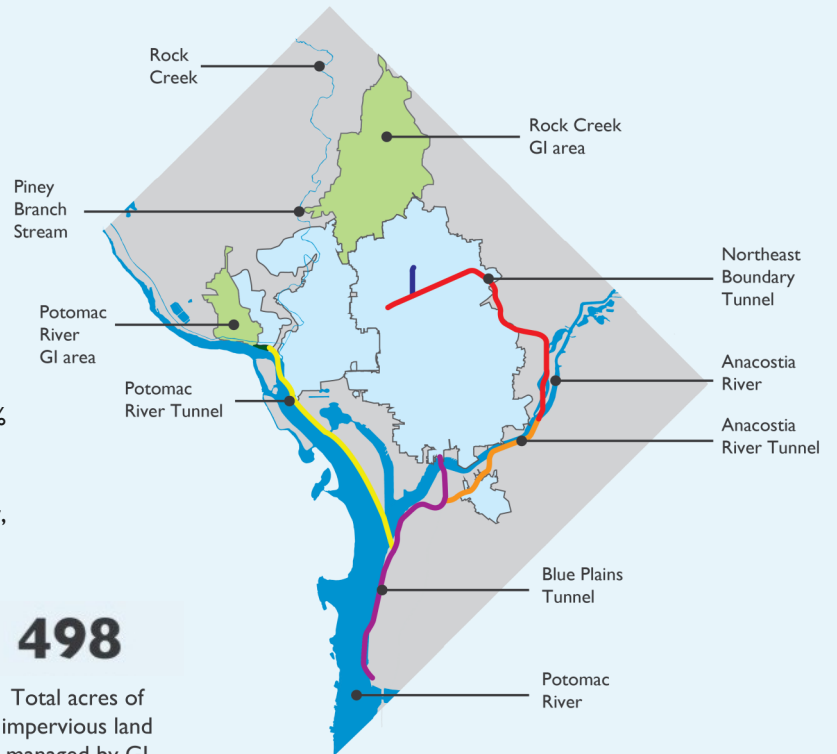
WHAT IS GREEN INFRASTRUCTURE?

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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