



Rock Creek Project C (RC-C) Green Infrastructure

Virtual Public Meeting #2

May 6, 2024



Seth Charde, Senior Manager, Green Infrastructure, Clean Rivers Project
Taylor Haupt, Project Manager, Green Infrastructure, Clean Rivers Project
Scott Silvester, Lead Designer, Green Infrastructure, Clean Rivers Project



Welcome! We're glad you're here!

- Welcome
- Introductions
- Participation Tips
- Purpose of Tonight's Meeting
- Clean Rivers Background
- Green Infrastructure Program
- Rock Creek Project C
 - Selection Criteria
 - Proposed Locations
 - What to Expect
- Questions
- Contact Information





Welcome! We're glad you're here!

Greetings Neighbors!

Welcome to our Virtual
Public Meeting



Participation Tips:

- Online meetings are subject to your bandwidth limitations. If your connection to the meeting should freeze, please exit and reenter the meeting to refresh your connection.
- Participants may opt to turn on or off your video.
- All participant lines are muted to minimize disruptions.
- The **Questions and Answers (Q&A) period** will be held at the end of the presentation. **Please enter your questions via the Chat function throughout the meeting.**
- During the Q&A period of the meeting, questions from the Chat will be answered first, and if time permits, questions from the phone will be taken.
- **ONLINE PARTICIPANTS:** Send your questions to the Host by using the Chat mode.
- **PHONE PARTICIPANTS:** Press ***5** to raise your hand. We will ask you to unmute using ***6** when it's your turn to ask a question.
- Additional questions can be emailed to: cleanriversgi@dcwater.com



Purpose of Tonight's Meeting

DC Clean Rivers Background

Seth Charde



Purpose of Tonight's Meeting

- DC Water published a Draft Project Description on April 5, 2024, for Rock Creek Green Infrastructure (GI) Project C
 - DC Water's Consent Decree requires solicitation of comments from the public on a draft Project Description for a minimum of 30 days.
 - DC Water shall hold at least one public meeting regarding the Project Description. (Public Meeting #1 was held on April 8, 2024)
 - DC Water shall consider public comments received during the comment period and revise the Project Description as appropriate prior to finalizing and submitting to EPA.
 - Project Description shall be finalized and published six (6) months prior to awarding the Project for Construction.

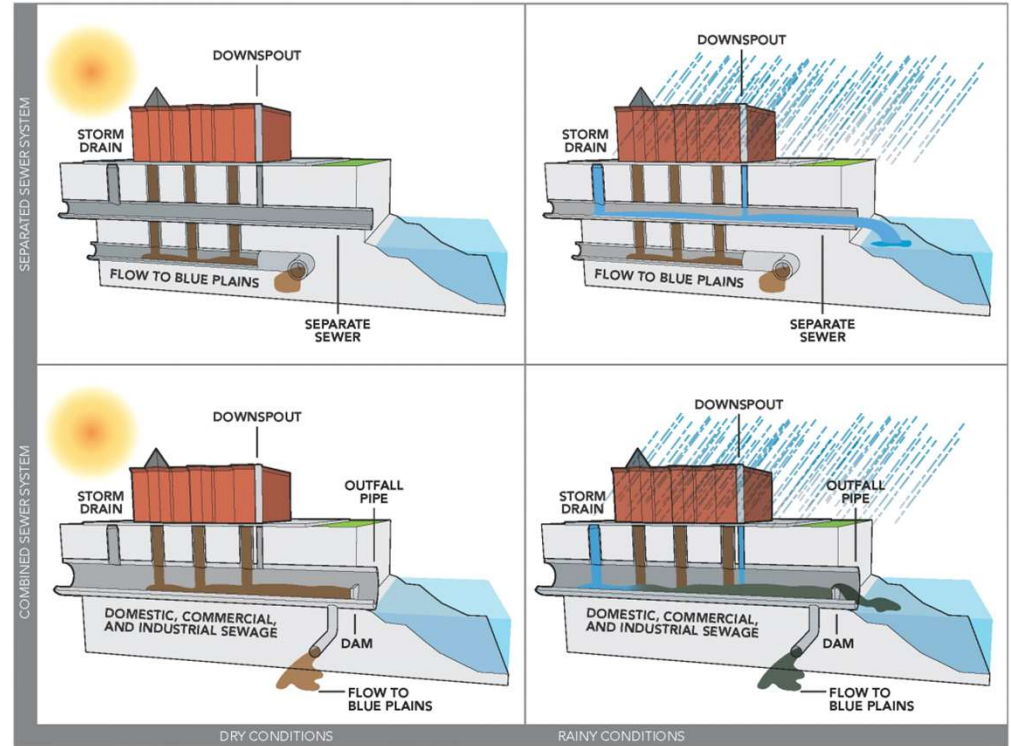
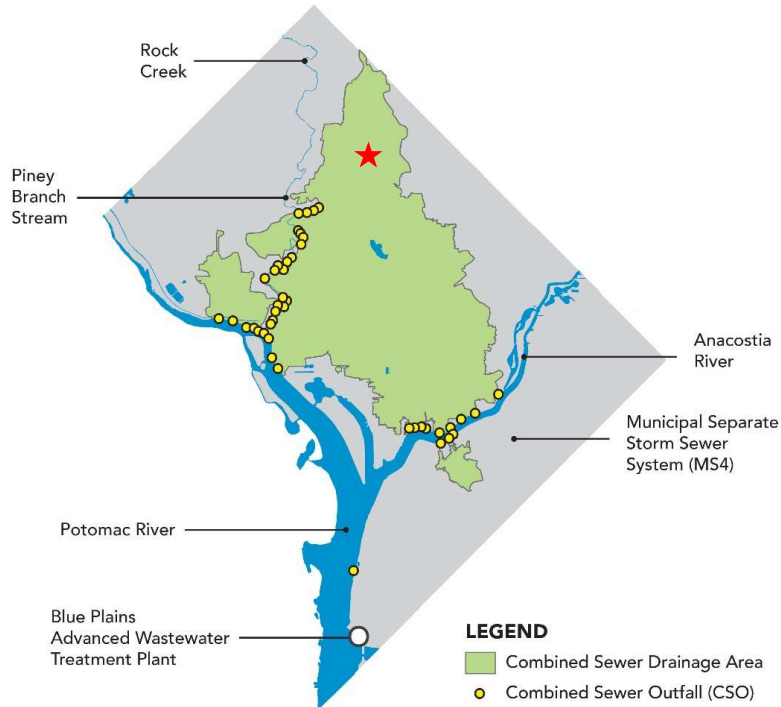
Rock Creek Project C is the third Green Infrastructure (GI) Project in the Rock Creek Sewershed to be built under a Federal Consent Decree to control 25 acres to the 1.2" retention standard (815,500 gallons)



DC Water Background

- Multi-jurisdictional Authority provides:
 - Drinking water distribution for DC (from Washington Aqueduct)
 - Wastewater collection and treatment
 - Stormwater collection and conveyance
- Treats wastewater for 2.1 million people
- Operates the world's largest Advanced Wastewater Treatment Plant
 - Average daily capacity: 384 Million Gallons per Day (mgd)
 - Peak daily capacity: 780 mgd
- Serves a regional area of 725 square miles
- Independent of DC Government
- Primarily funded by user fees





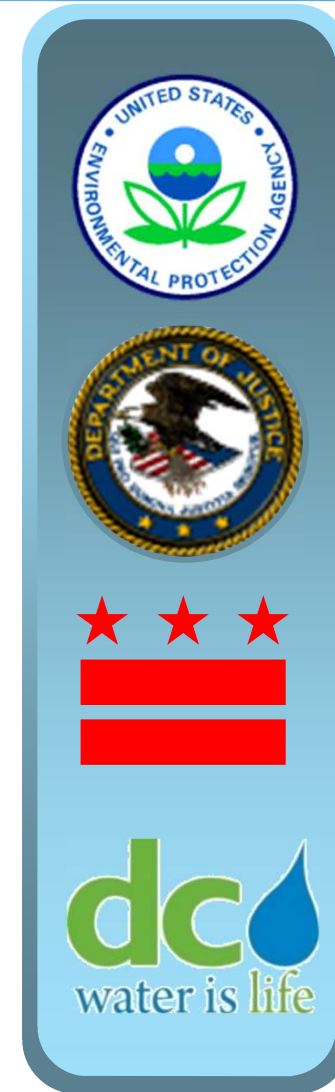
- 1/3 of area within District is served by combined sewers (12,478 acres)
- Combined Sewer Overflow (CSO) outfalls
 - 15 to Anacostia River
 - 8 to Potomac River
 - 23 to Rock Creek



Long Term Control Plan and Consent Decree

- Control combined sewer overflows to the:
 - Potomac River
 - Rock Creek
 - Anacostia River
- Relieve flooding in the Northeast Boundary Area
- Implemented under a Federal Consent Decree:
 - US Environmental Protection Agency (US EPA)
 - US Department of Justice (US DOJ)
 - District of Columbia
 - DC Water
- Significant stipulated penalties for missing schedule deadlines

Fully operational by 2030



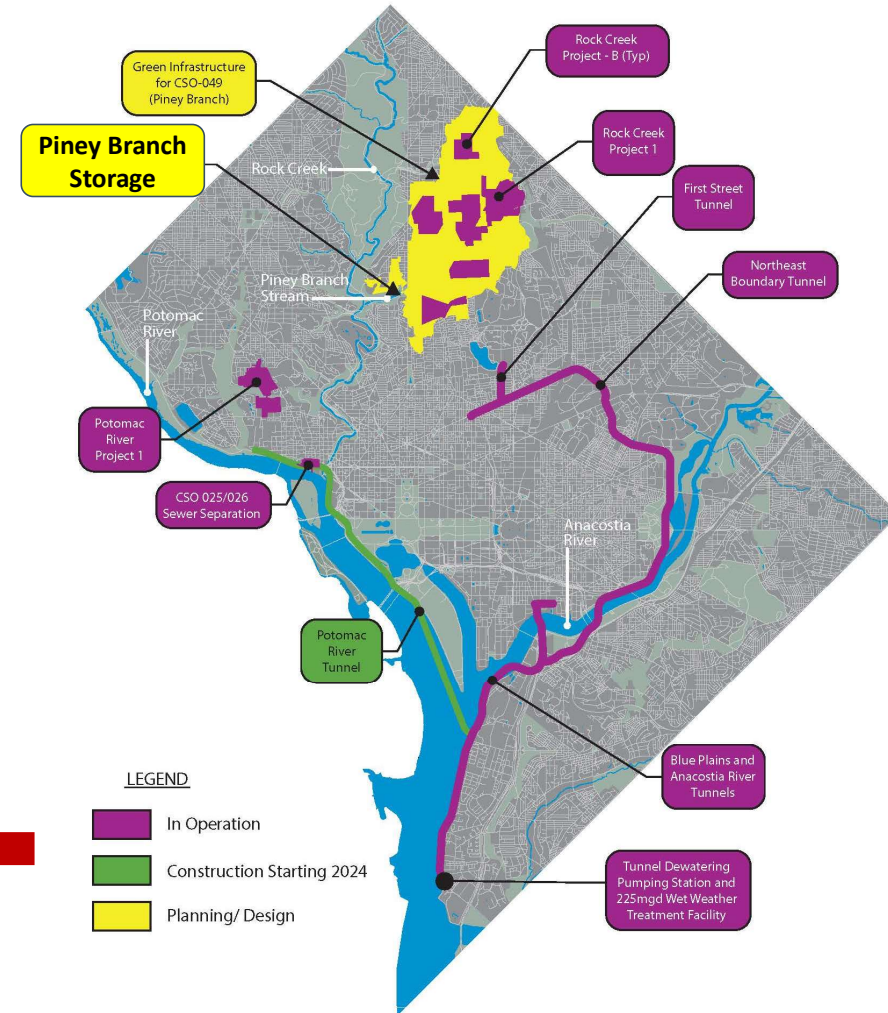


DC Clean Rivers Project Update

Current Program Status

Thank you for your help in making this program a success!

Area	Status
Anacostia	
Anacostia Tunnel System	<ul style="list-style-type: none"> More than 16.8 billion gallons captured, 10,339 tons of trash/debris removed March 2018 - Feb 2024
Northeast Boundary Tunnel	<ul style="list-style-type: none"> Tunnel commissioned September 15, 2023. Restoration and Paving ongoing.
Potomac	
Potomac Tunnel	<ul style="list-style-type: none"> Board approved design-build contract Oct 5, 2023 Notice to Proceed issued November 9, 2023
Rock Creek	
Green Infrastructure (GI) Project A	Completed – Oct 2018
Green Infrastructure (GI) Project B	Completed – Certification letter issued to EPA on Dec. 5, 2023.
Green Infrastructure (GI) Project C	<ul style="list-style-type: none"> Design ongoing Construction 2025-2027
Green Infrastructure (GI) Project D	Construction 2028-2030
Piney Branch Storage	<ul style="list-style-type: none"> Environmental Assessment underway Construction 2025-2029



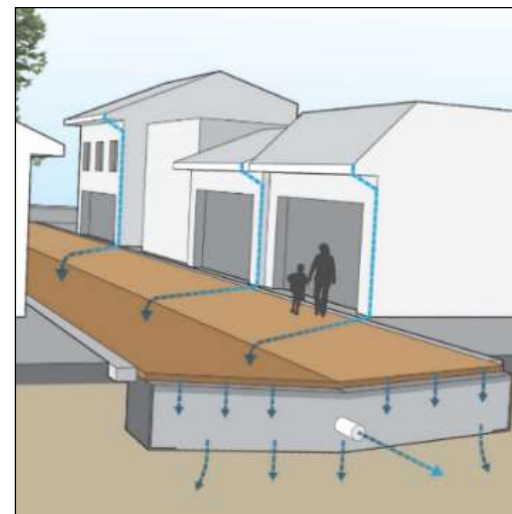
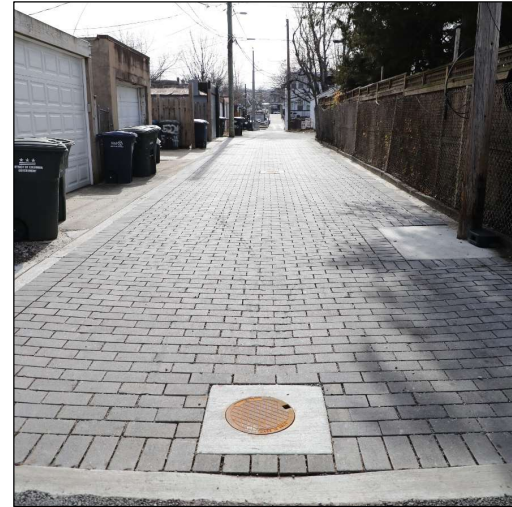


Green Infrastructure Program

Seth Charde

dc Green Infrastructure: Program Drivers

- Volume Management (Gallons)
 - Control Combined Sewer Overflows
- Cost Effectiveness
 - Responsibility to Rate Payers
- Maintenance/Asset Management
 - Safety
 - Aesthetics
 - Performance
- Outreach
 - Build Public Awareness and Stewardship
- Triple Bottom Line Benefits
 - Deliver Multiple Benefits to the Community





Clean Rivers Green Infrastructure Investment to Date in Ward 4

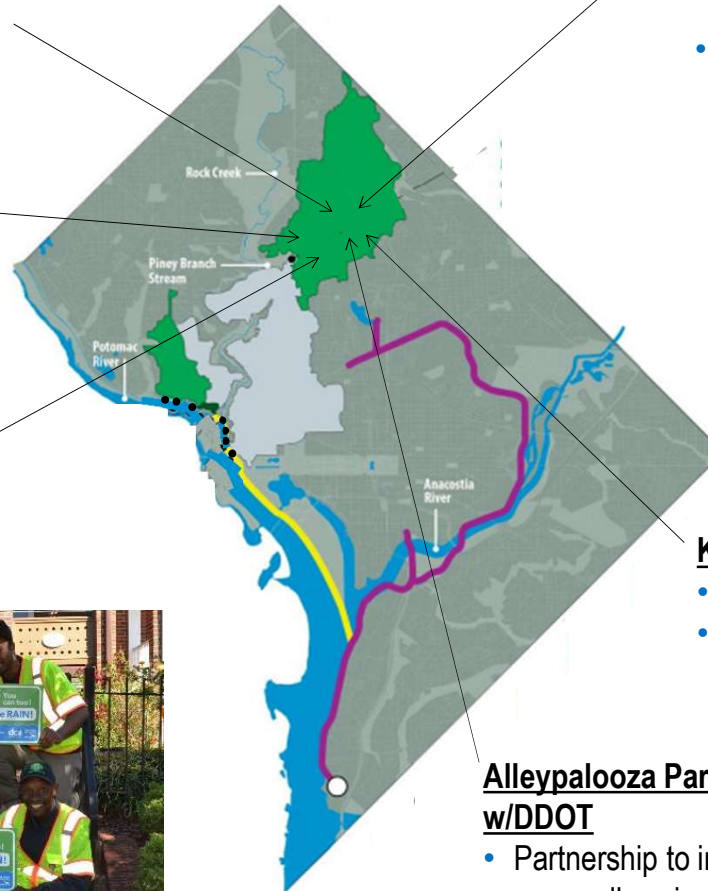
Rock Creek Project A

- 20 acres managed
- Bioretention and Alley Permeable Pavement



Rock Creek Project B

- 22 acres managed
- Bioretention and Alley Permeable Pavement



Kennedy Street Streetscape Partnership w/DDOT

- Partnership to incorporate green infrastructure along 100 Block of Kennedy Street
- Manages 2.7 acres of runoff



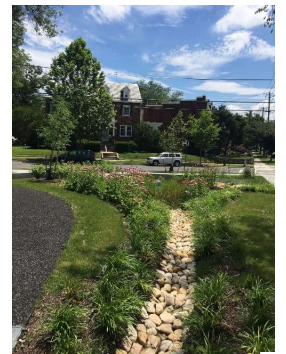
Downspout Disconnection

- 6,471 homes visited; 293 homes participated
- Manages 1 acre of runoff



Kansas Avenue GI Parks (2nd and 3rd Streets)




- Two Triangle Parks along Kansas Ave Corridor
- Manages 1.9 acres of runoff



Alleypalooza Partnership w/DDOT

- Partnership to incorporate green alleys in Alleypalooza
- 6 alleys managing 3 acres of runoff

dc Green Infrastructure: Program Requirements

Project	Impervious Acres Managed @ 1.2"	Place in Operation Deadline
Rock Creek Project A	20	2019 
Rock Creek Project B	22	2024 
Rock Creek Project C	25	2027 
Rock Creek Project D	25	2029
Total	92	

4.2-million-gallon storage to be constructed by 2030



Rock Creek Project C

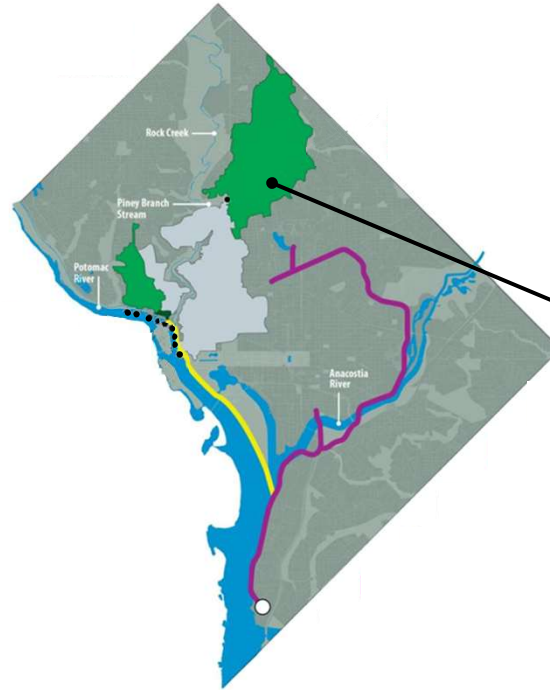
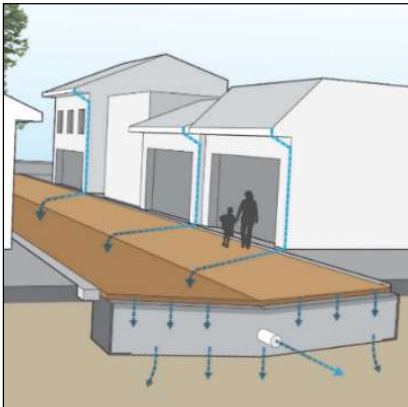
Taylor Haupt



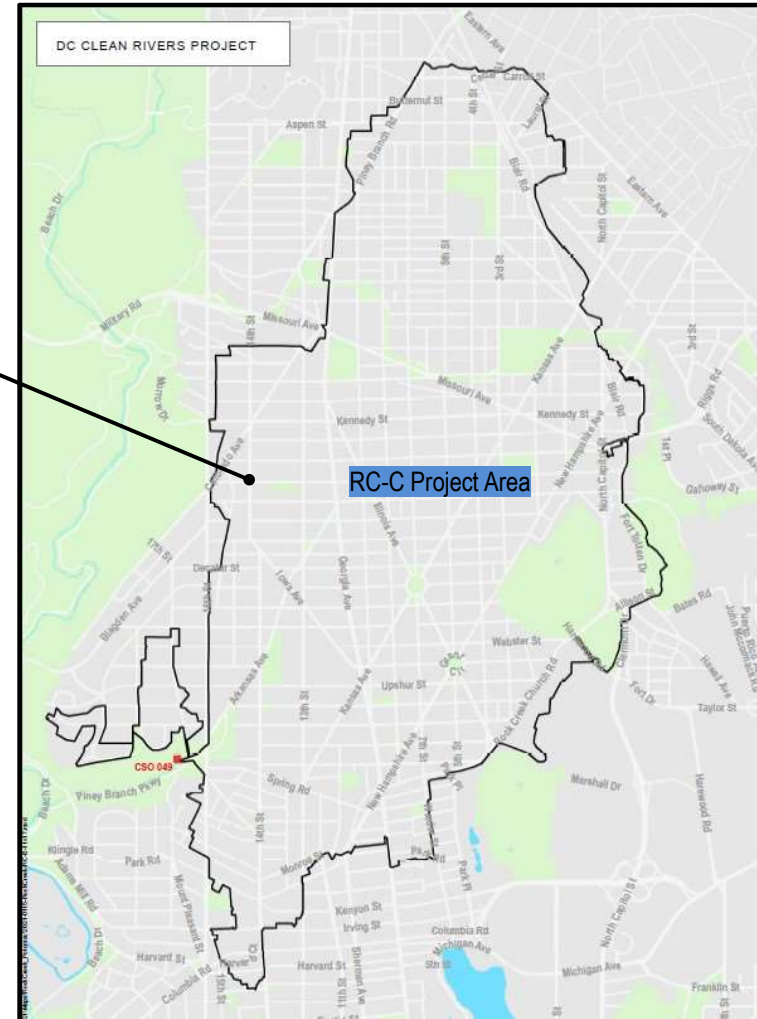
Green Infrastructure: Rock Creek Project C (RC-C)



Alley Permeable Pavement
Approx. 60 +/- Locations



- Manage 25 impervious acres
- Facilities can be anywhere in drainage area

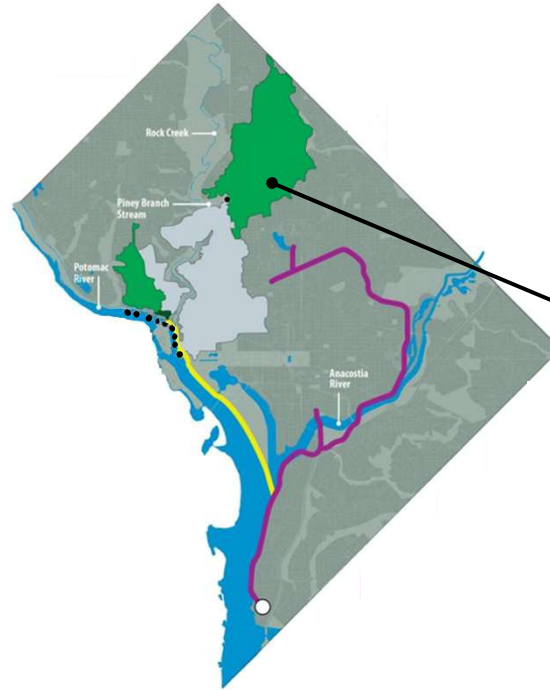
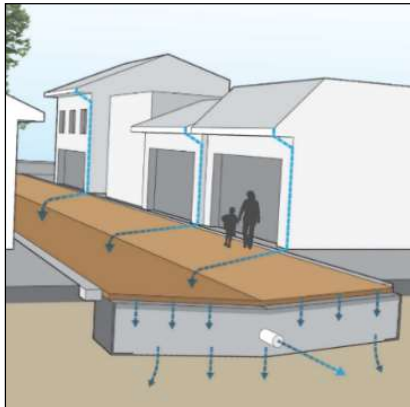




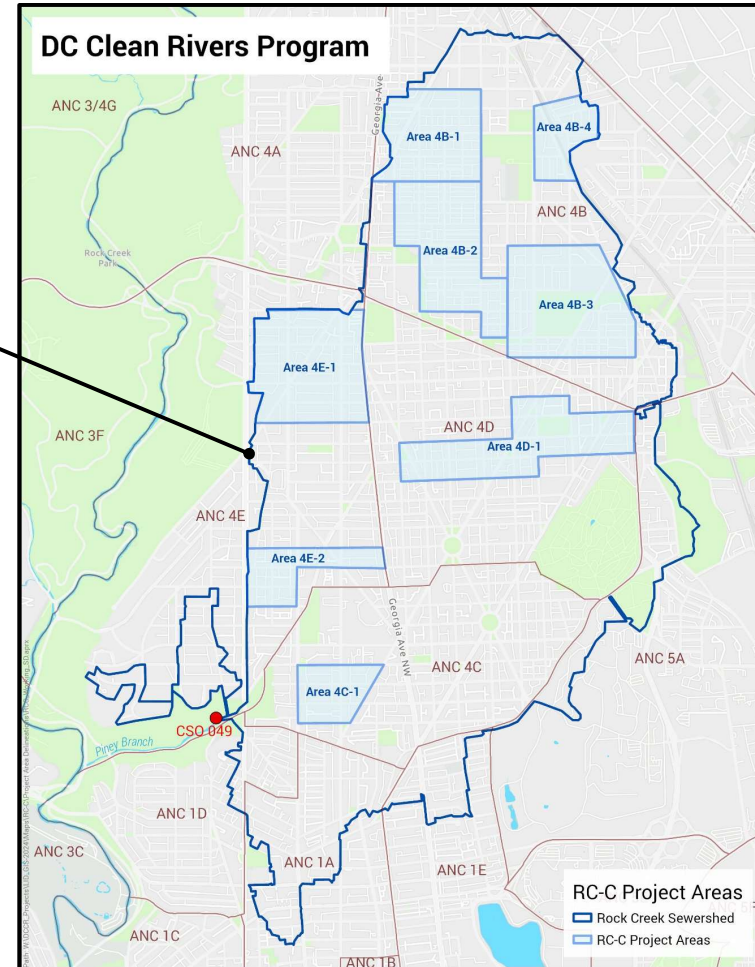
Green Infrastructure: Rock Creek Project C (RC-C)



Alley Permeable Pavement
Approx. 60 +/- Locations



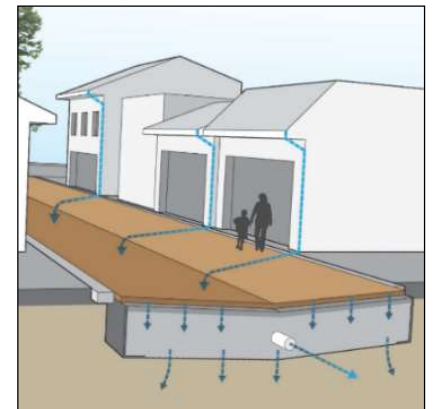
- Eight (8) Project Areas in 4 ANCs
- Anticipated Construction Dates:
March 2025 – June 2027
- Construction Cost Estimate:
\$15-\$21M





Green Infrastructure: Rock Creek Project C (RC-C)

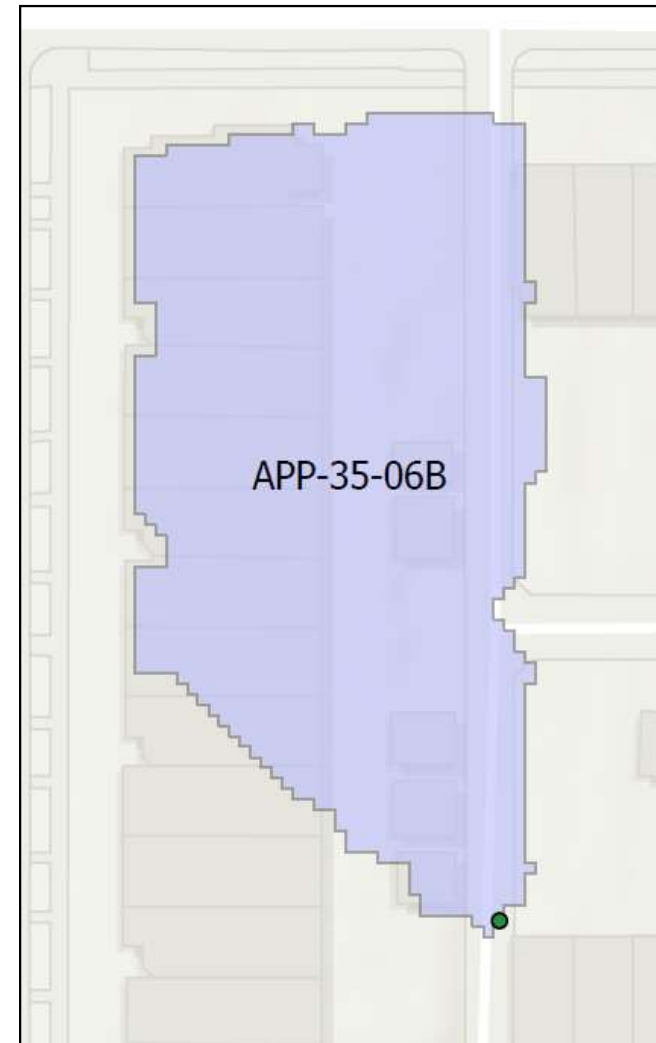
- Locations selected based on:
 - Contributing Drainage Area (CDA)
 - How much stormwater is generated and flowing into the alley
 - How “Clean” is the area (sediment, tree litter)
 - Constructability
 - Size and width of the alley
 - Avoidance of underground utilities
 - Accounting for overhead utilities
 - Other Constraints
 - Trees and Roots
 - Proximity to structures (houses, garages, retaining walls)
 - DDOT is responsible for alley reconstruction outside this program





Green Infrastructure: Rock Creek Project C (RC-C)

- Basis for Alley Permeable Pavement (APP) Sizing:
 - Volume of stormwater generated by the Contributing Drainage Area (CDA)
 - Pervious area (lawns, gravel parking pads)
 - Impervious area (alley, walkways, driveways)





Green Infrastructure: Rock Creek Project C (RC-C)

- Basis for Alley Permeable Pavement (APP) Sizing:
 - Available Space and Restoration Requirements
 - Alley Permeable Pavement Section is only sized for the volume needed to be managed.
 - All disturbed sections of the alley not converted to permeable surface will be restored using concrete.
 - Alley sections not disrupted by the work will not be reconstructed by DC Water.
 - DDOT is responsible for alley reconstruction outside this program.
 - Residents are encouraged to call 311 to request traditional alley repairs and reconstruction.



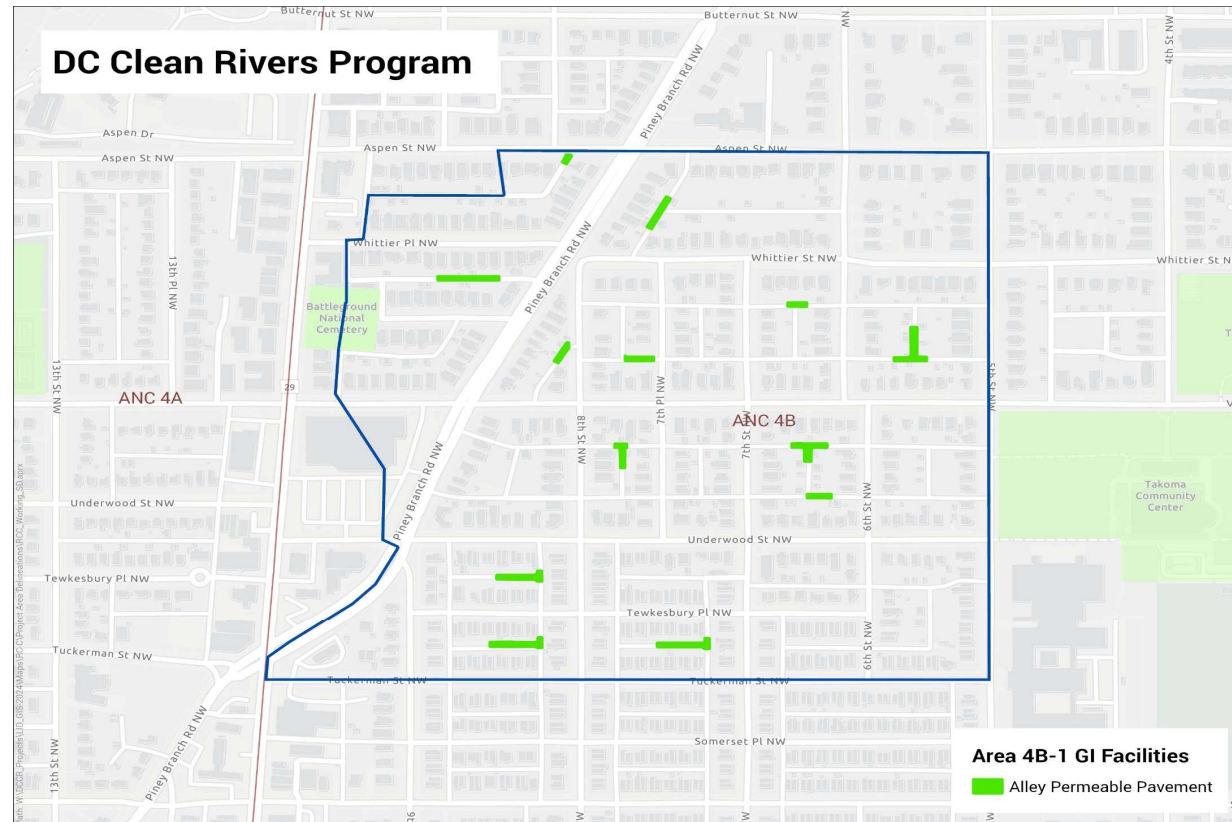


Rock Creek Project C (RC-C): Project Area 4B-1

- ANC 4B
- Takoma
 - Aspen Street NW and Tuckerman Street NW to the north and south
 - 5th Street NW and Piney Branch Road NW to the east and west
- Mixture of residential row houses and low-density commercial properties

Proposed Green Infrastructure:

- Thirteen (13) Permeable Alleys



Project Area 4B-1

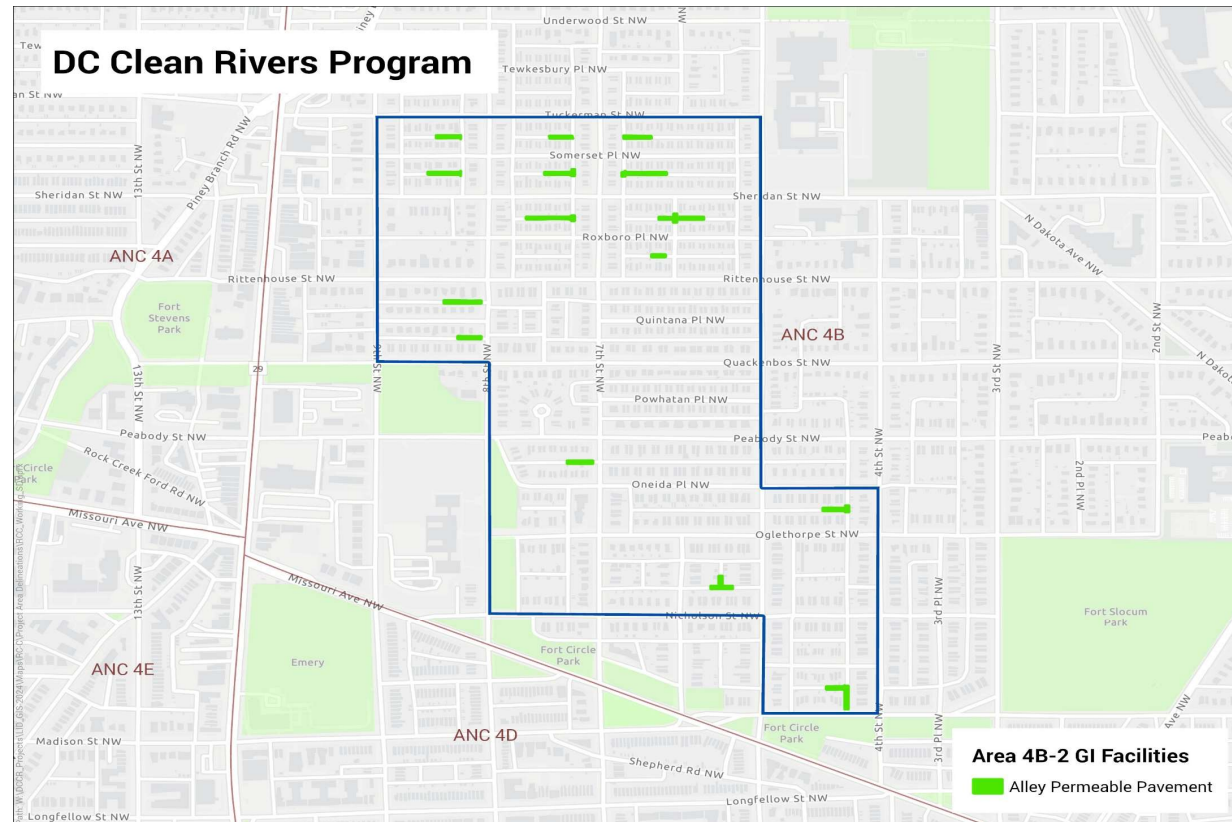


Rock Creek Project C (RC-C): Project Area 4B-2

- ANC 4B
- Brightwood
 - Tuckerman Street NW and Missouri Avenue NW to the north and south
 - 4th Street NW and 9th Street NW to the east and west
- Mixture of residential row houses and low-density commercial properties

Proposed Green Infrastructure:

- Fifteen (15) Permeable Alleys



Project Area 4B-2

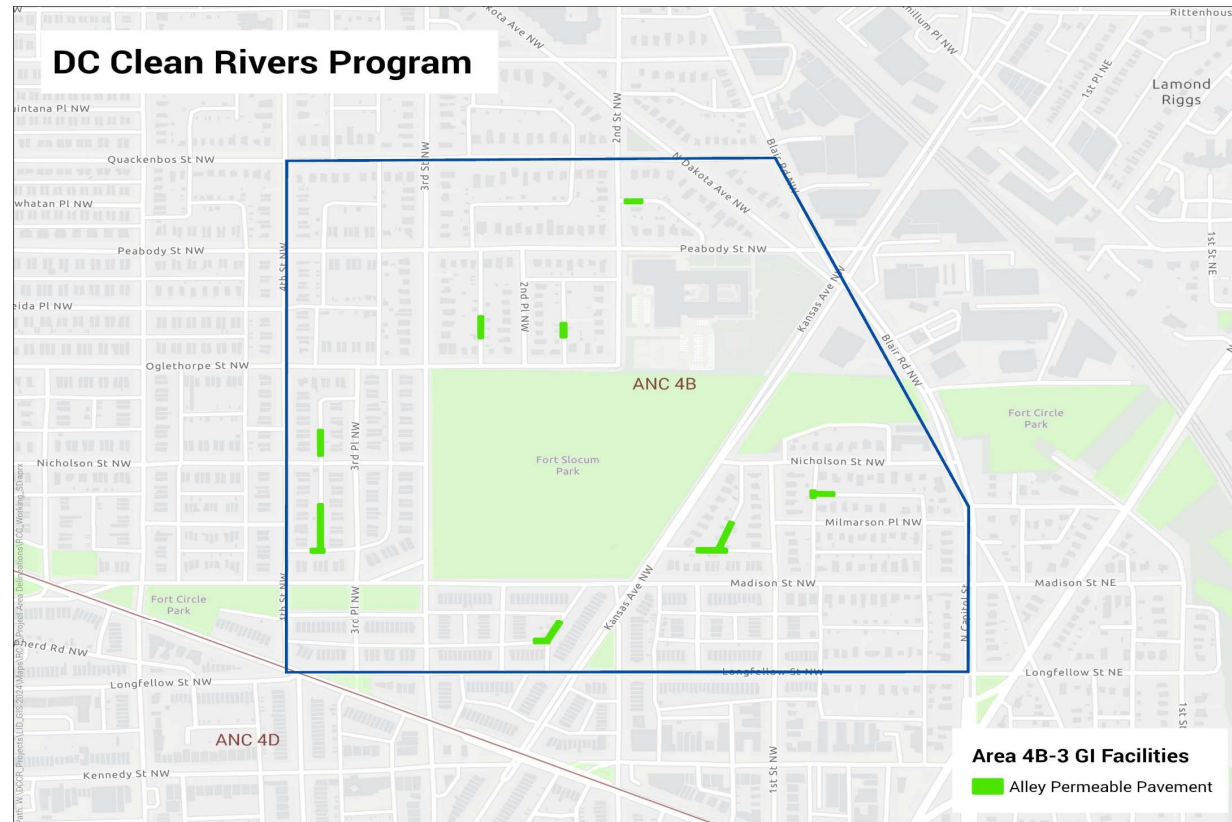


Rock Creek Project C (RC-C): Project Area 4B-3

- ANC 4B
- Manor Park
 - Quackenbos Street NW and Longfellow St NW to the north and south
 - Blair Road NW and 4th Street NW to the east and west
- Mixture of residential row houses and low-density commercial properties

Proposed Green Infrastructure:

- Eight (8) Permeable Alleys



Project Area 4B-3

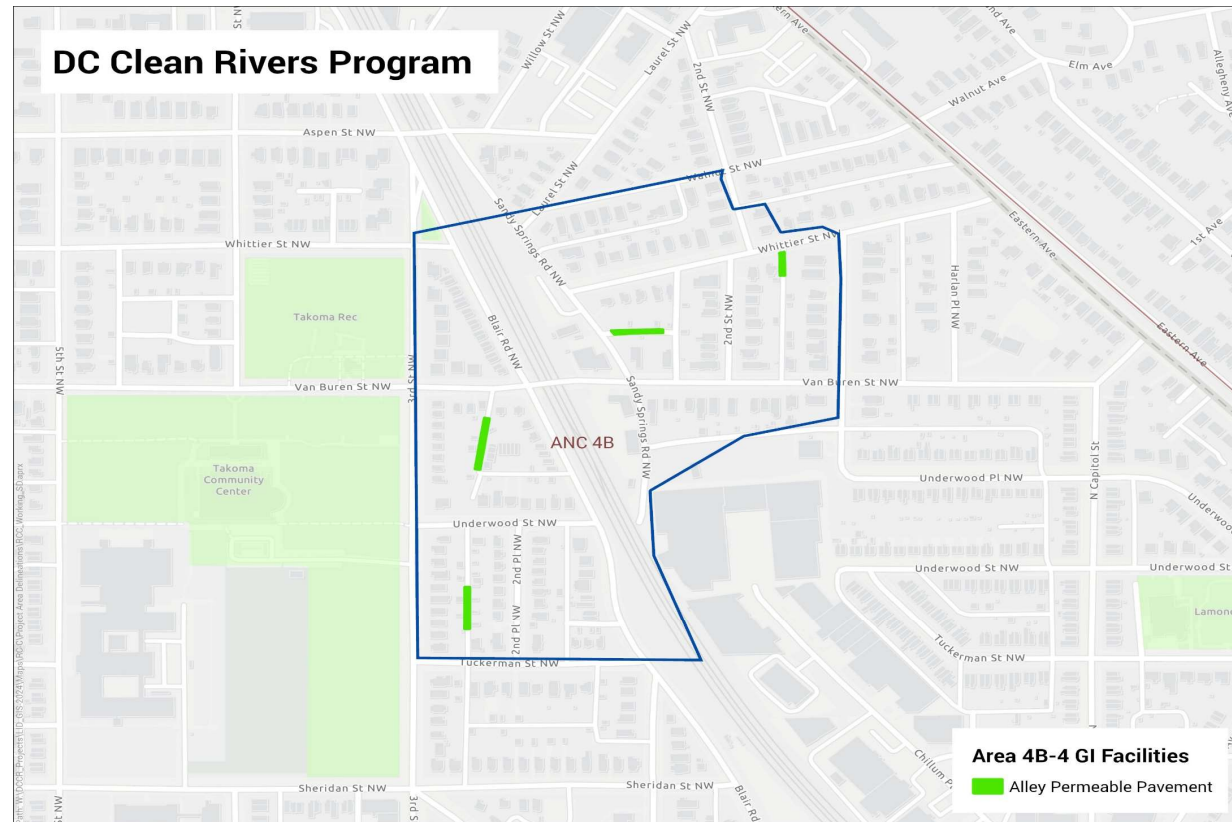


Rock Creek Project C (RC-C): Project Area 4B-4

- ANC 4B
- Manor Park & Lamond Riggs
 - Whittier Street NW and Tuckerman Street NW to the north and south
 - 1st Street NW and 3rd Street NW to the east and west
- Mixture of residential row houses and low-density commercial properties

Proposed Green Infrastructure:

- Four (4) Permeable Alleys



Project Area 4B-4

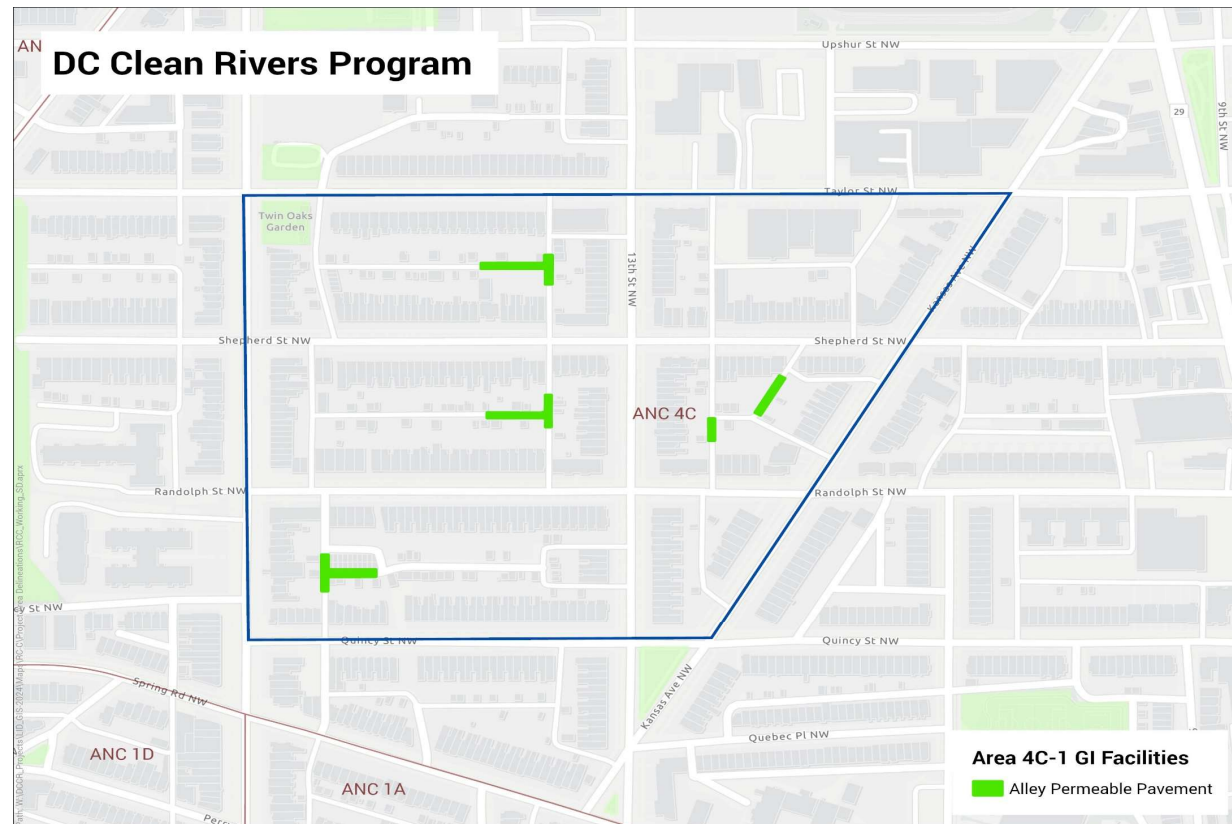


Rock Creek Project C (RC-C): Project Area 4C-1

- ANC 4C
- Petworth
 - Taylor Street NW and Quincy Street NW to the north and south
 - Kansas Avenue NW and 14th Street NW to the east and west
- Mixture of residential row houses and low-density commercial properties

Proposed Green Infrastructure:

- Five (5) Permeable Alleys



Project Area 4C-1

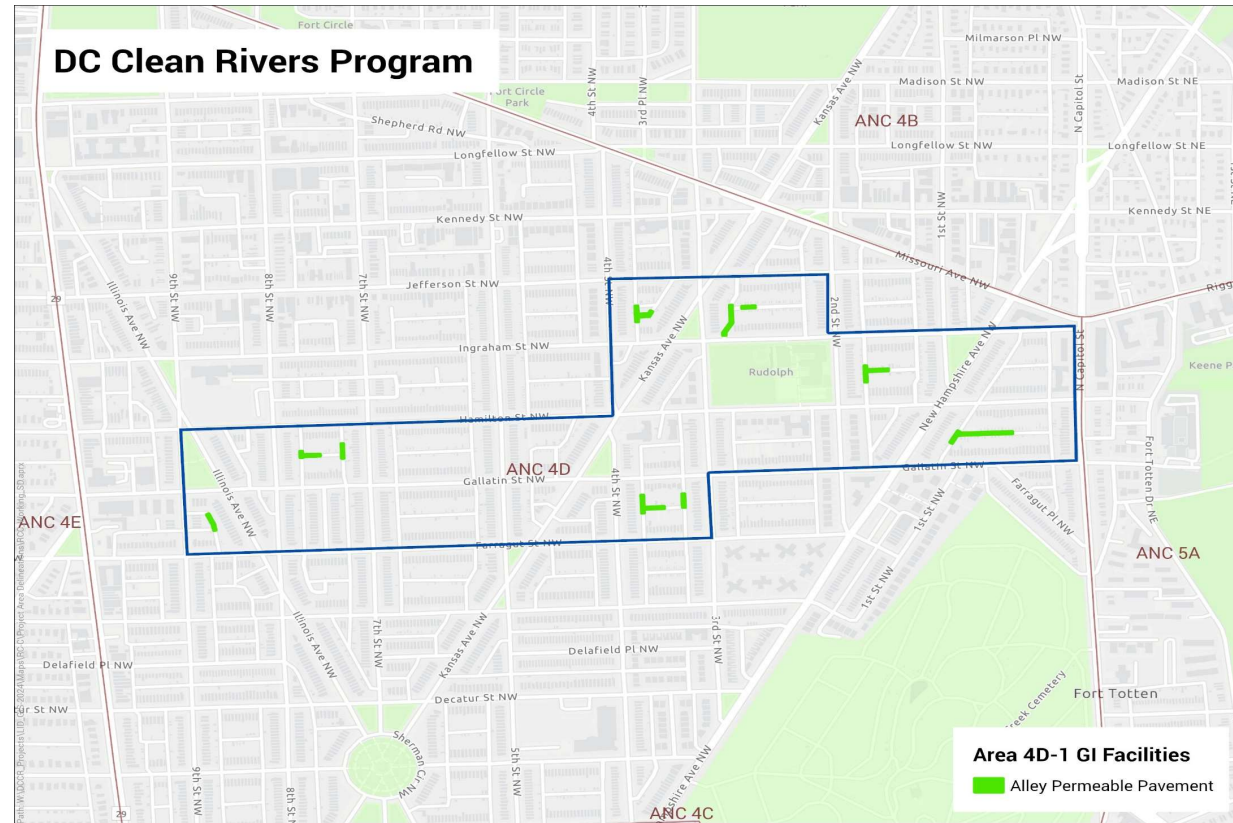


Rock Creek Project C (RC-C): Project Area 4D-1

- ANC 4D
- Brightwood Park
 - Jefferson Street NW and Farragut Street NW to the north and south
 - North Capitol Street NW and 9th Street NW to the east and west
- Mixture of residential row houses and low-density commercial properties

Proposed Green Infrastructure:

- Nine (9) Permeable Alleys



Project Area 4D-1

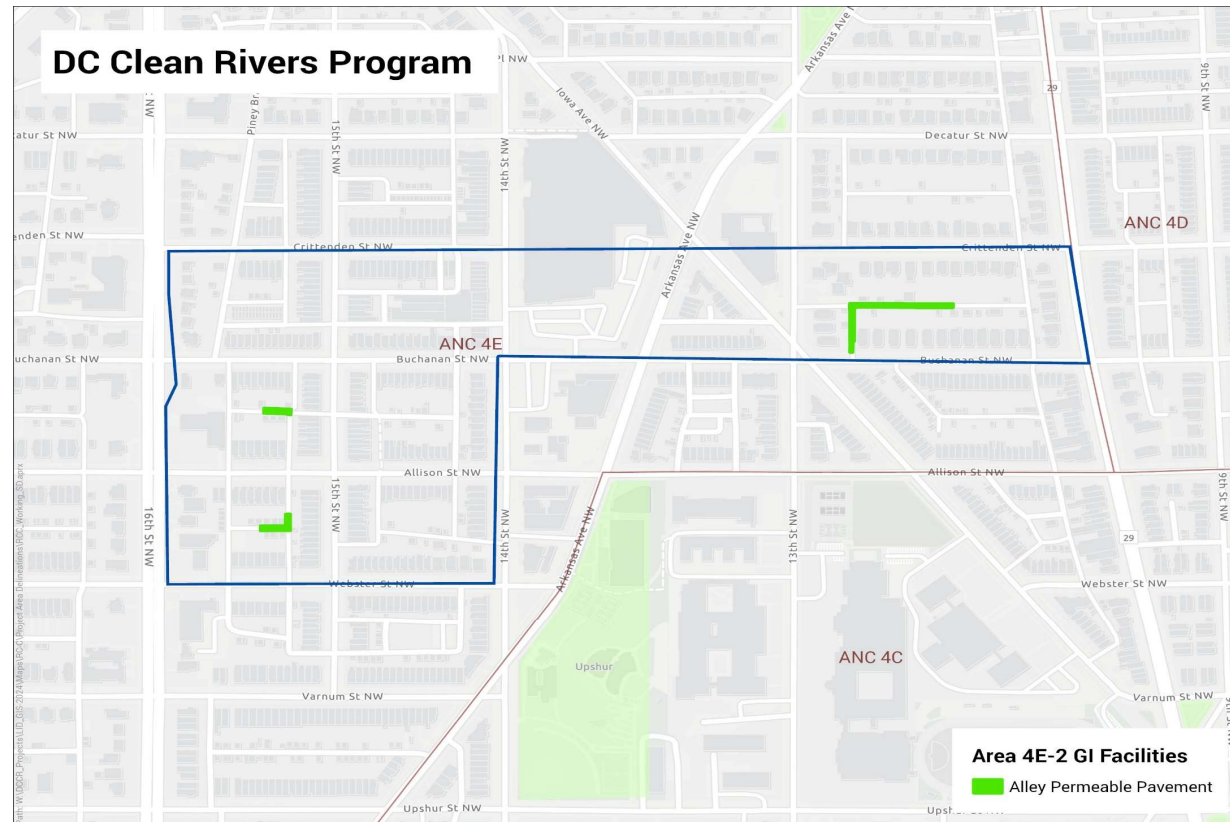


Rock Creek Project C (RC-C): Project Area 4E-2

- ANC 4E
- 16th Street Heights & Petworth
 - Crittenden Street NW and Webster Street NW to the north and south
 - Georgia Avenue NW and 16th Street NW to the east and west
- Mixture of residential row houses and low-density commercial properties

Proposed Green Infrastructure:

- Three (3) Permeable Alleys



Project Area 4E-2



Construction Process General Construction

- 24/7 Project Hotline
- Work Hours
 - Anticipated Weekdays: 7:00am – 7:00pm
 - Weekend work may be considered
- Water and sewer services
 - Continued service anticipated
- Site conditions
 - Site secured at the end of each workday
 - Site restored in kind per DDOT requirements at construction completion
- Site Security
 - Signage
 - Barriers or fencing
- Vibration and noise monitoring and mitigation, dust control, and rodent control will be in place throughout project.
- Access for garbage collection, other contractors, handicap access, home health care needs, etc. to be provided as needed
- Tree Protection
 - Tree protection will be provided as necessary and as required by Urban Forestry Administration permit



GI Maintenance: Typical Maintenance Activities

- DC Water is responsible for maintenance of all DC Water GI facilities.
- Permeable Pavement
 - Vacuum sweeping- once (1) every other month (March-December)
 - Other activities may include (as needed):
 - Removal of leaves, weeds and sediments
 - Cleaning of underdrains and inspections



Green Infrastructure Program

PERMEABLE PAVEMENT

report issues: **202-354-3600**
or **custserv@dcwater.com**

learn more:
dcwater.com/green

RP0000



Outreach Efforts and Agency Coordination

- DC Water has presented at meetings to inform residents and stakeholders about Rock Creek Project C.
 - Mayor's Office (Ward 4 MOCR)
 - Councilmember's Office (Wards 4 Representatives)
 - ANCs 4B, 4C, 4D & 4E* *Scheduled for May 28, 2024
 - Local businesses and residents
- DC Water has provided project information flyers and mailers to properties adjacent to the proposed alleys.
- DC Water analyzes potential impacts due to construction and coordinates appropriate mitigation requirements with:
 - DDOT – Traffic, Pedestrian and Bicycle Impacts
 - WMATA – Transit Impacts
 - DOEE – Environmental Impacts
 - FEMS – Fire and Emergency Services
 - DPW – Garbage Collection
- DC Water will notify the community and post signage regarding any alley closures, traffic, pedestrian, bike and scooter, parking, and public transport impacts once construction begins.





Draft Project Description Rock Creek Project C published on April 6, 2024

Public Comment Period closes on May 10, 2024 

Questions

Draft Project Description for RC-C is available on DC Water's website: <https://www.dewater.com/green-infrastructure>

Comments can be sent by e-mail to: cleanriversgi@dewater.com



Rock Creek Project C – Outreach Contact

Andy Galli

DC Clean Rivers Project

Green Infrastructure Public Outreach Coordinator

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(202) 787-4148