

Briefing on:

*DC Clean Rivers Project
Potomac River Project A*

Briefing for:

Advisory Neighborhood Commission 2E

Agenda

- Welcome
- Potomac River Project A Team Representatives
- DC Clean Rivers Project
- Green Infrastructure
- Potomac River Project A
- Potomac River Project A Impact to Advisory Neighborhood Commission 2E (ANC2E) Residents
- Q&A

*Green Roof
at Fort Reno Reservoir*



Potomac River Project A:

Team Members Representing Project Tonight

Potomac River Project A



Potomac River Project A Contact Information:

Website: www.dewater.com/PotomacRiverGreen

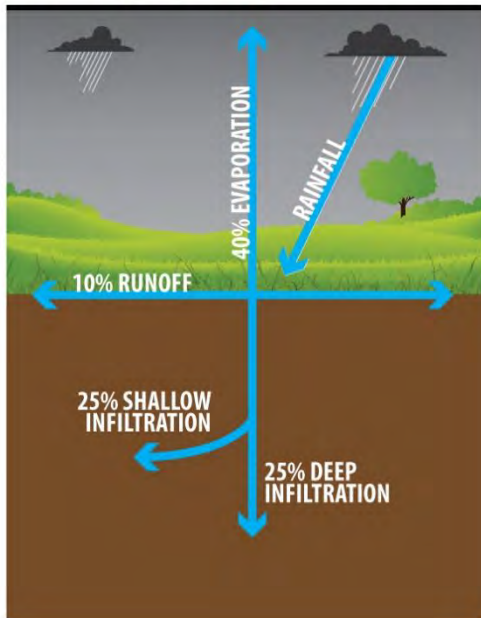
Phone Number: 800-518-4532

Email Address: PotomacRiverGreen@dewater.com

DC Clean Rivers Project:

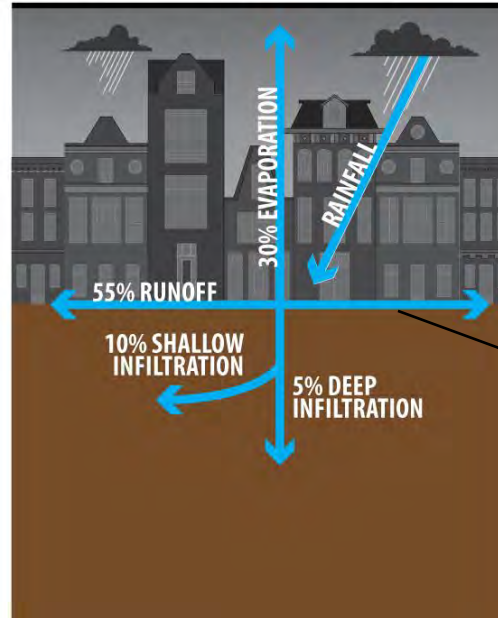
Why Stormwater is a Problem in DC and Other Cities

NATURAL ENVIRONMENT
(natural ground cover)

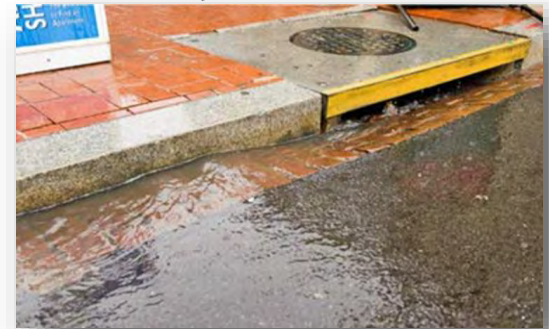


Natural Environment:
0% Impervious
Surface

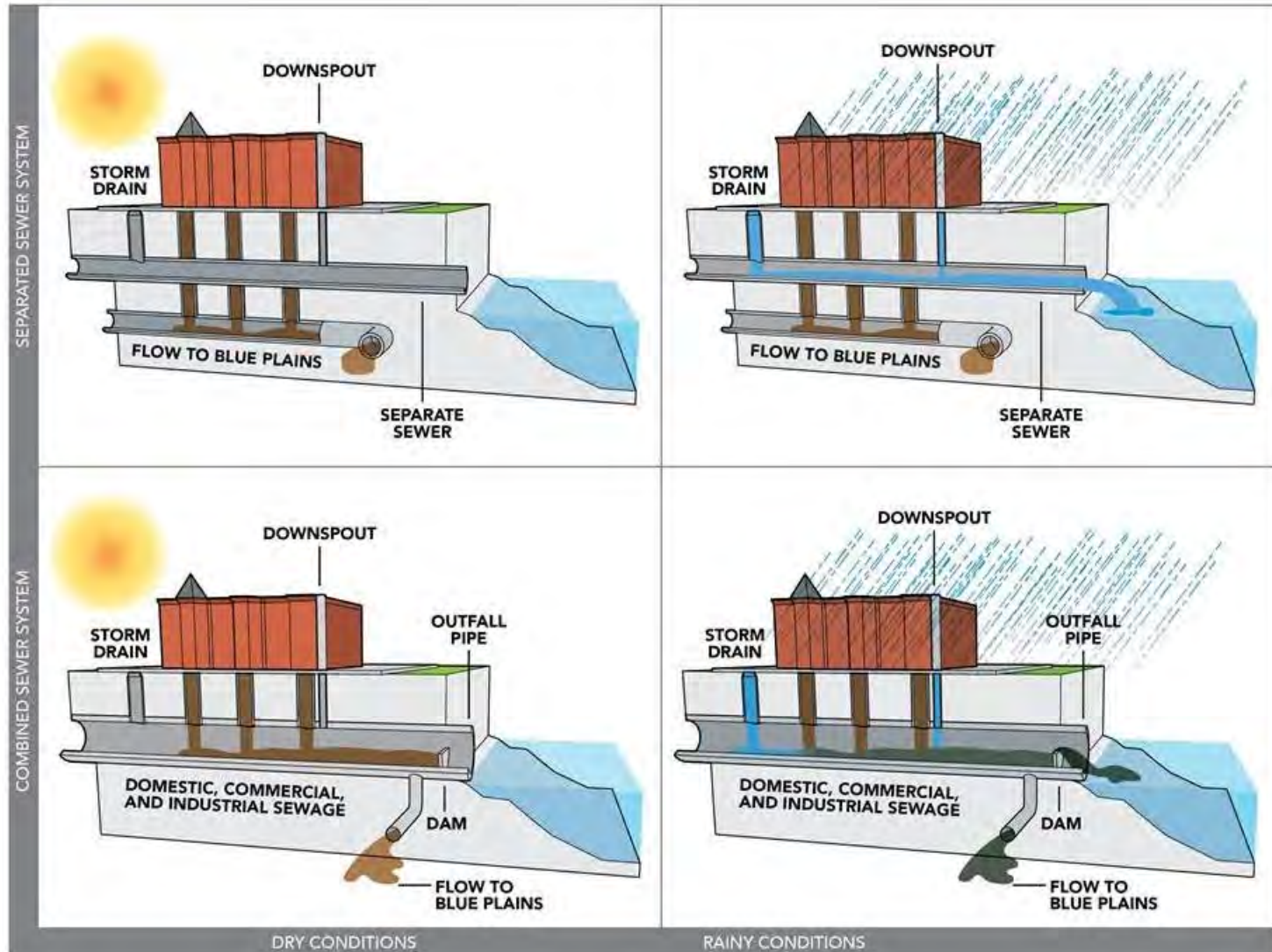
URBAN ENVIRONMENT
(75% - 100% impervious cover)



Built Environment:
75-100% Impervious
Surface



DC Clean Rivers Project: Sewer Systems in DC



*Discharge occurs when pipe's capacity is exceeded

DC Clean Rivers Project:

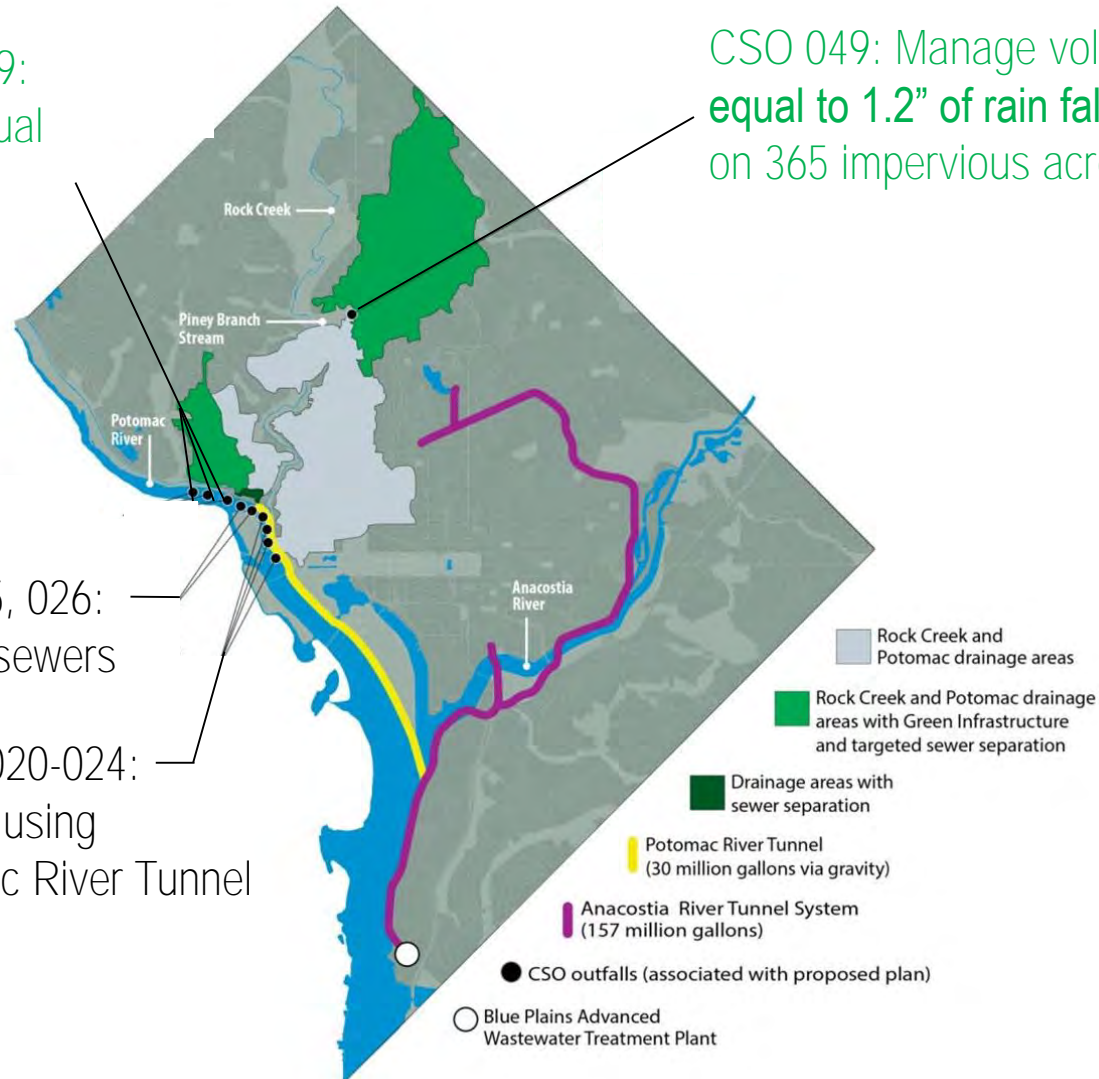
DC Clean Rivers Project Scope

CSOs 027, 028, 029:
Manage volume equal
to 1.2" of rain falling
on 133 impervious
acres

CSO 049: Manage volume
equal to 1.2" of rain falling
on 365 impervious acres

CSOs 025, 026:
Separate sewers

CSOs 020-024:
Control using
Potomac River Tunnel

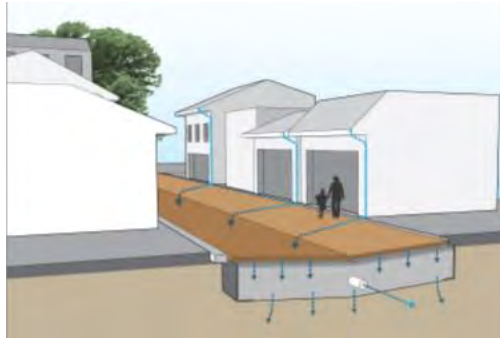


Green Infrastructure: GI Technologies to be Constructed

GI Application in Right-of-Way

Alley Permeable Pavement

Also known as a green alley.
Allows stormwater runoff to infiltrate through the pavement and into the ground before entering the combined sewer system.



Parking Lane Permeable Pavement

Parking lane permeable pavement allows stormwater runoff to infiltrate through the pavement before entering the combined sewer system.



Green Infrastructure: GI Technologies to be Constructed

GI Application in Right-of-Way

Planter Bioretention

Also known as a rain garden.
Captures and cleans stormwater runoff allowing it to infiltrate into the ground before entering the combined sewer system.



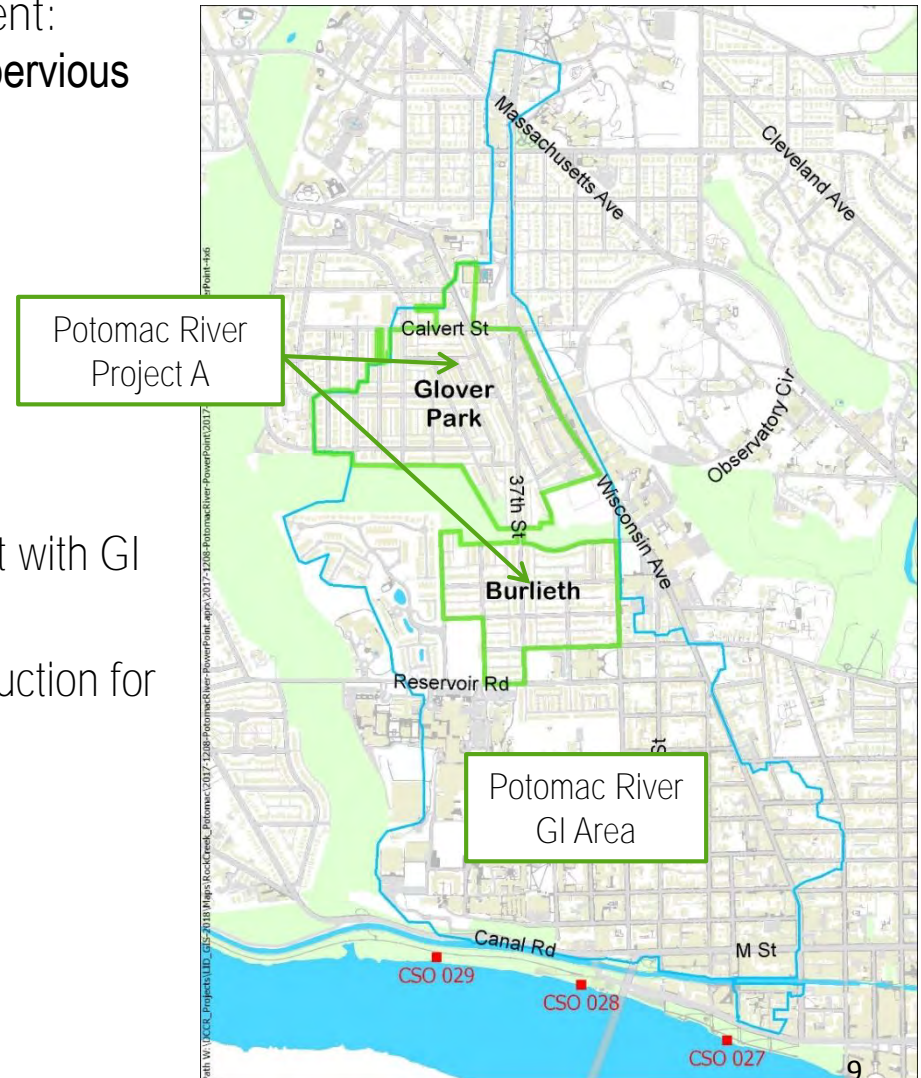
Potomac River Project A: Requirements, Schedule and Boundary

Potomac River Project A Contract Requirement:

- **Manage 1.2" of stormwater runoff from 8 impervious acres**
 - = 261,000 gallons
 - = 5,220 average size bathtubs

Timeline:




- Construction: Summer 2018 – Spring 2019
 - Phased construction for each block/street with GI
 - Limited construction duration for each GI block/street; no block/street under construction for the entire construction duration
- Flow Monitoring: 2019 – 2020



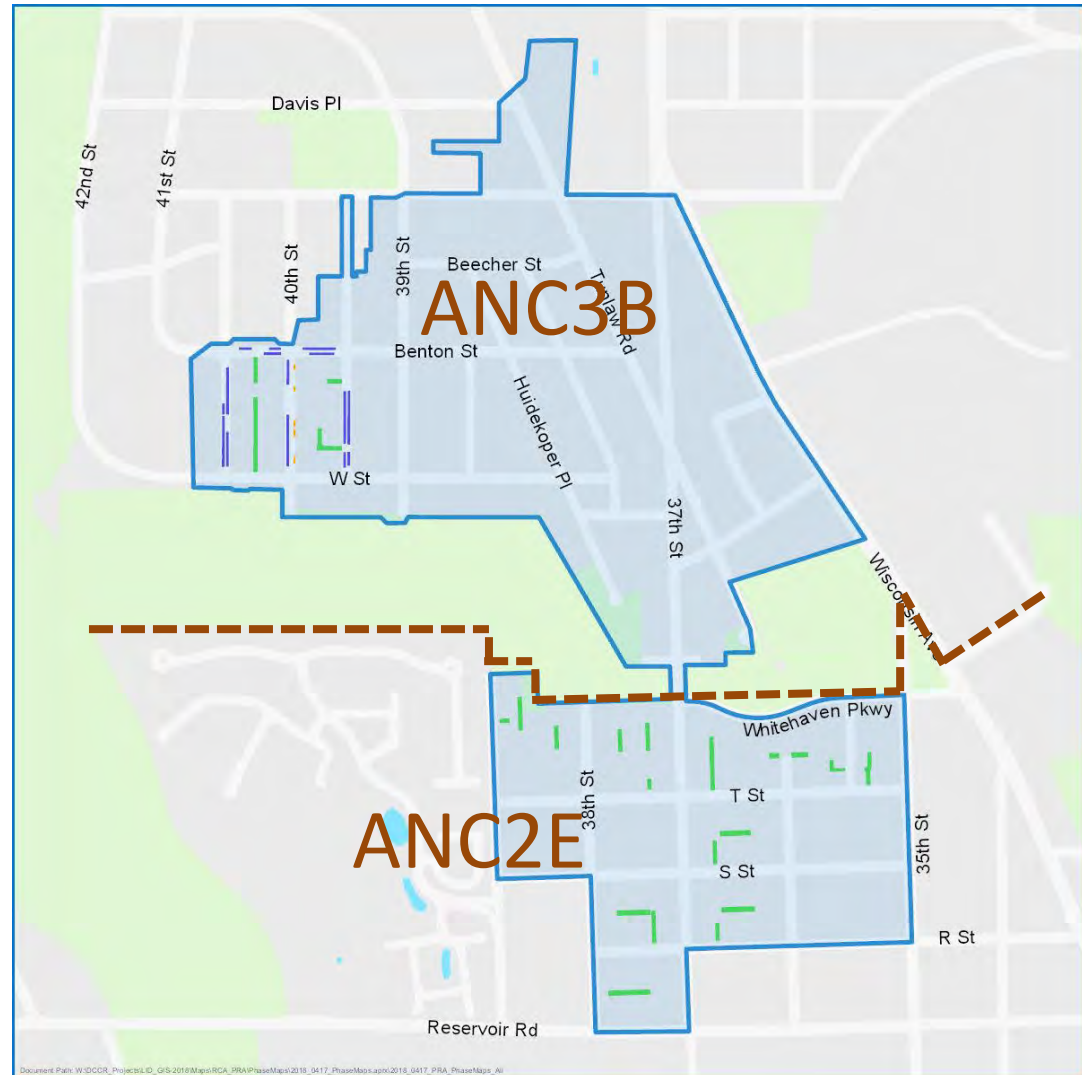
Potomac River Project A:

Potomac River Project A- All Locations

GI Practices to be Constructed:

-  Alley Permeable Pavement
-  Parking Lane Permeable Pavement
-  Planter Bioretention

All 43 facilities to be constructed can be found on the Project's interactive map:
www.dcwater.com/potomacrivergreen



Potomac River Project A: Selection of Locations

Sites were selected based on consideration of:

- Ability to meet the stormwater management requirements
 - Cost-effectiveness
 - Slope
 - Amount of stormwater reaching the facility
- Utility conflicts
- Condition of pavement/planter area
- Coordination with other construction projects



Potomac River Project A Impact to ANC2E: Construction

- DCCR will began construction in ANC2E in June 2018
- Construction Sites in ANC2E include:
 - 19 Permeable Pavement Facilities in 9 Alleys
- DCCR coordinated construction and obtained permits from DDOT and DOEE (and other permitting entities)
- Construction activities will be conducted between 7:00 am and 7:00 pm, Monday through Saturday (Saturdays are weather make-up days). In some cases, after hours work permit may be requested.



Potomac River Project A- ANC2E Construction Locations

Potomac River Project A Impact to ANC2E: Alley Restoration- Improvement of Your Alleys

Pre-
Construction
Condition



Example of Existing Alley








Post-
Construction
Condition



Typical Rendering for Green Alleys

Potomac River Project A Impact to ANC2E: Phasing

- Pre-Construction Activities
 - Utilities Marking
 - Survey and Layout
 - Test Pitting
 - Outreach and Notifications
 - Contractor Pre-Construction Meetings/Site Visits

	WATER
	SEWER
	GAS - OIL
	ELECTRIC
	PROPOSED EXCAVATION
	COMMUNICATION CATV
	TEMPORARY SURVEY MARKINGS



Potomac River Project A Impact to ANC2E: Phasing

- Active Construction for Permeable Pavement
 - Sewer Connection
 - Demolition of Existing Alley Surface
 - Excavation Activities
 - Backfilling
 - Paving and Restoration



GREEN INFRASTRUCTURE PROGRAM

Potomac River Project A / Contract # 150220

Contractor: Fort Myer Construction Corporation

Contract Amount: \$6,265,502.47

Potomac River Project A is the first Green Infrastructure (GI) project implemented in the Potomac River sewershed by the DC Water Clean Rivers Project.

GI mimics natural conditions to capture, filter and slow down stormwater runoff before entering the combined sewer system. GI includes bioretention (rain gardens), permeable pavement, and downspout disconnections (including rain barrels).

The DC Water Clean Rivers Project includes a system of tunnels and GI to reduce combined sewer overflows (CSOs), a combination of sanitary sewage and stormwater going into our rivers during heavy rain events.

For more information on this project please call **800-518-4532** or email: potomacrivergreen@dcwater.com

dcwater.com/potomacrivergreen

Potomac River Project A Impact to ANC2E: Coordination with Stakeholders

- Communication

- Before construction begins, DCCR will meet with residents and building property managers to discuss the project and answer questions
- For safety reasons, all pedestrian and vehicular access to the construction areas will be prohibited during construction
- DCCR will send notifications of alley and parking closures to residents before construction begins and will notify residents of activities throughout construction

- Trash/Recycling

- If the location of your trash/recycling collection is from the alley, your trash/recycling will be collected along the front of your property until the completion of the alley project. If your trash/recycle bin is too cumbersome to handle, please use thick trash bags and place them in the public space in front of your property.

Potomac River Project A Impact to ANC2E: Coordination with Stakeholders

- Noise/Dust/Vibration
 - Work will be conducted within acceptable and approved ranges
 - Dust will be monitored and controlled
 - Intermittent general construction noise (equipment, back-up alarms, deliveries) expected during work hours.
- Tree Protection
 - Tree protection will be provided as necessary and as required by Urban Forestry Administration permit
- Erosion & Sediment Control
 - Proper erosion and sediment control measures will be implemented as permit requires
- Safety
 - All crew will wear appropriate safety gear and will be identified
 - Barriers will be placed at the entrances of the construction zones

Potomac River Project A Impact to ANC2E: Maintenance

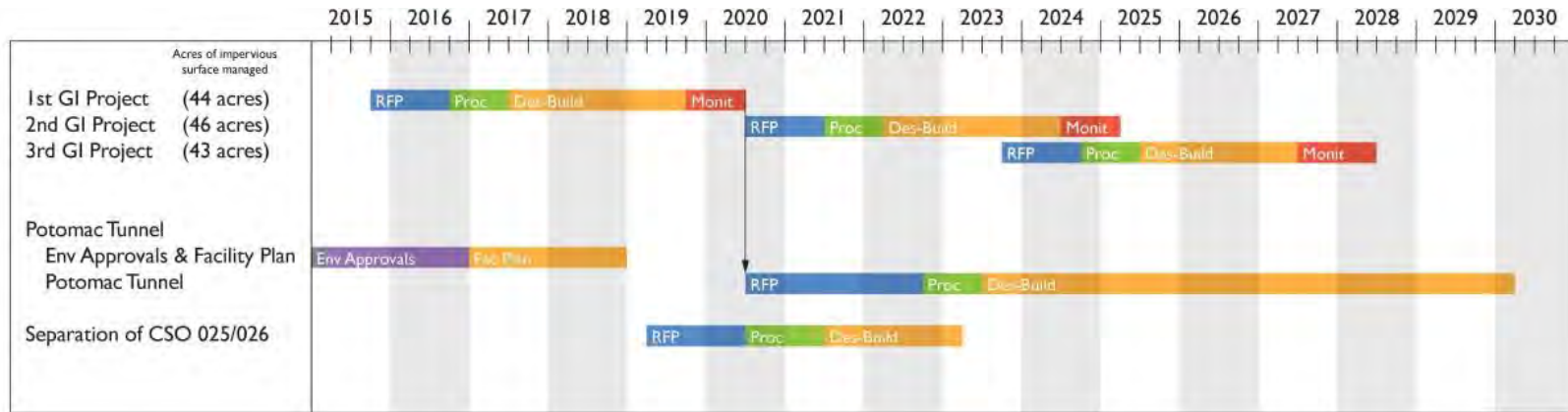
- DC Water is responsible for maintenance of GI facilities. Anticipated GI maintenance activities following construction are listed below.
- Permeable Pavement:
 - Vacuum sweeping—anticipated once per month (March-December)
 - Other activities may include (as needed):
 - Removal of leaves, weeds and sediments
 - Cleaning of underdrains and inspections



Typical GI Facility Sign

Note: Maintenance and repairs for traditional pavement will remain the District's responsibility.

Potomac River Project Schedule



- Environmental Assessment/Section 106 Compliance for Potomac River Tunnel ongoing
- GI practicability decision complete by February 23, 2021
- Award Potomac River Tunnel (PRT) contract for detailed final design by July 1, 2021
- PRT construction contract awarded by October 2023
- PRT placed in service by March 23, 2030

Questions?

PROJECT DEDICATED PHONE LINE:
800-518-4532

EMAIL:
PotomacRiverGreen@dcwater.com

WEBSITE:
<http://www.dewater.com/PotomacRiverGreen>

