

PALISADES RECREATION CENTER STORMWATER RETROFIT PROJECT

PUBLIC STAKEHOLDER CONSTRUCTION KICKOFF MEETING

September 30, 2020

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GOVERNMENT OF THE
DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

AGENDA

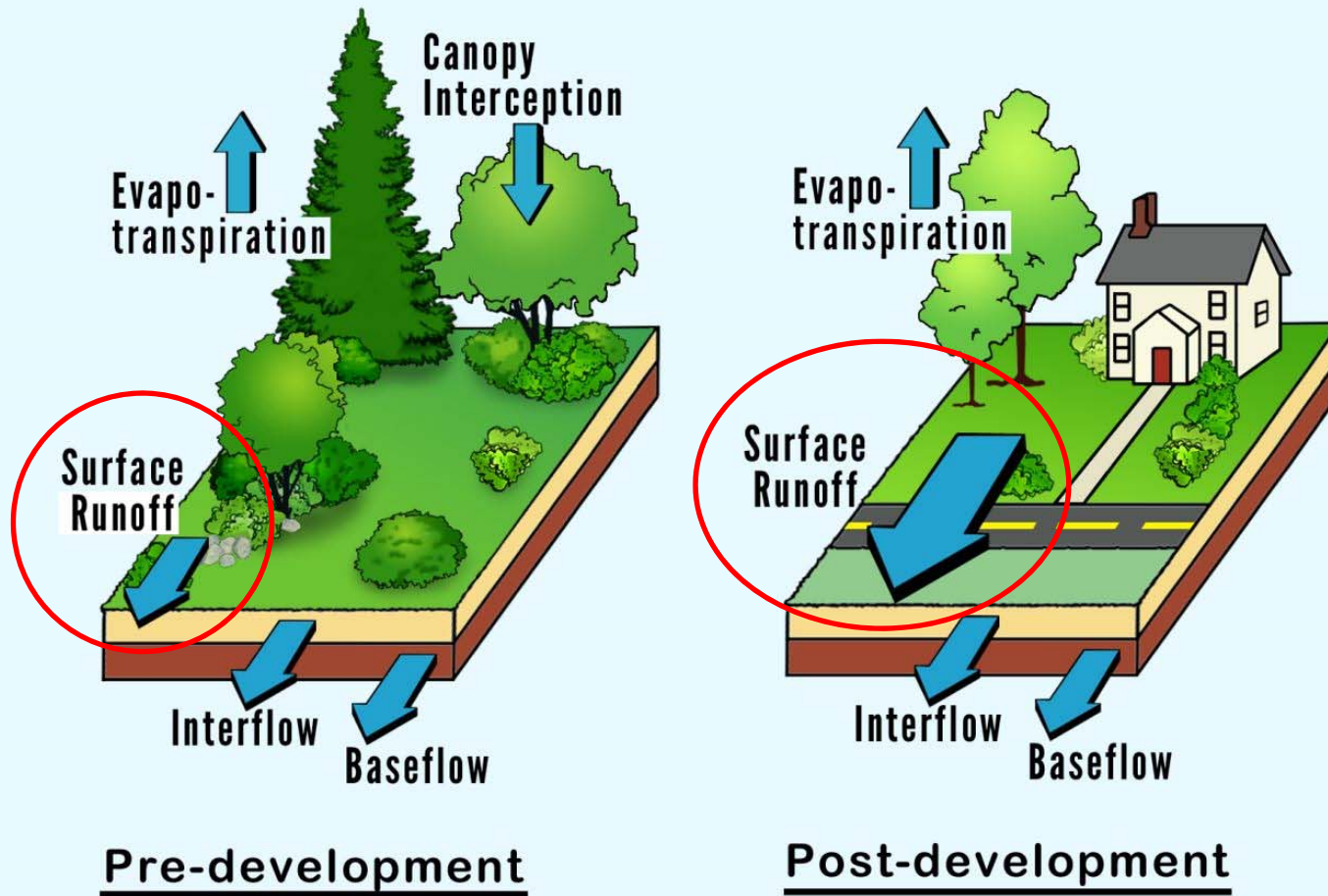
- Project Area & Background
- Existing Conditions
- Project Objectives
- Restoration Approach
- Construction Details
- Timeline
- FAQs
- Q&A

PROJECT LOCATION



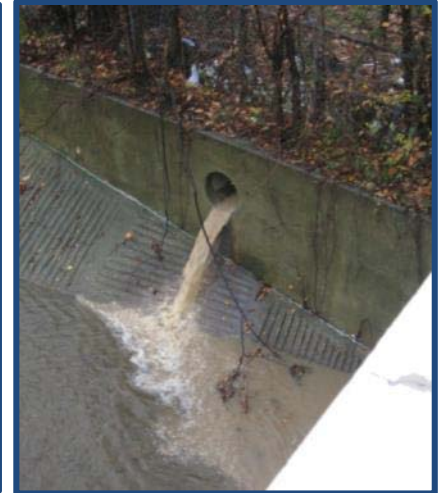
BACKGROUND

Figure 1.1 Water Balance at a Developed and Underdeveloped Site
(Source: Schueler, 1987)

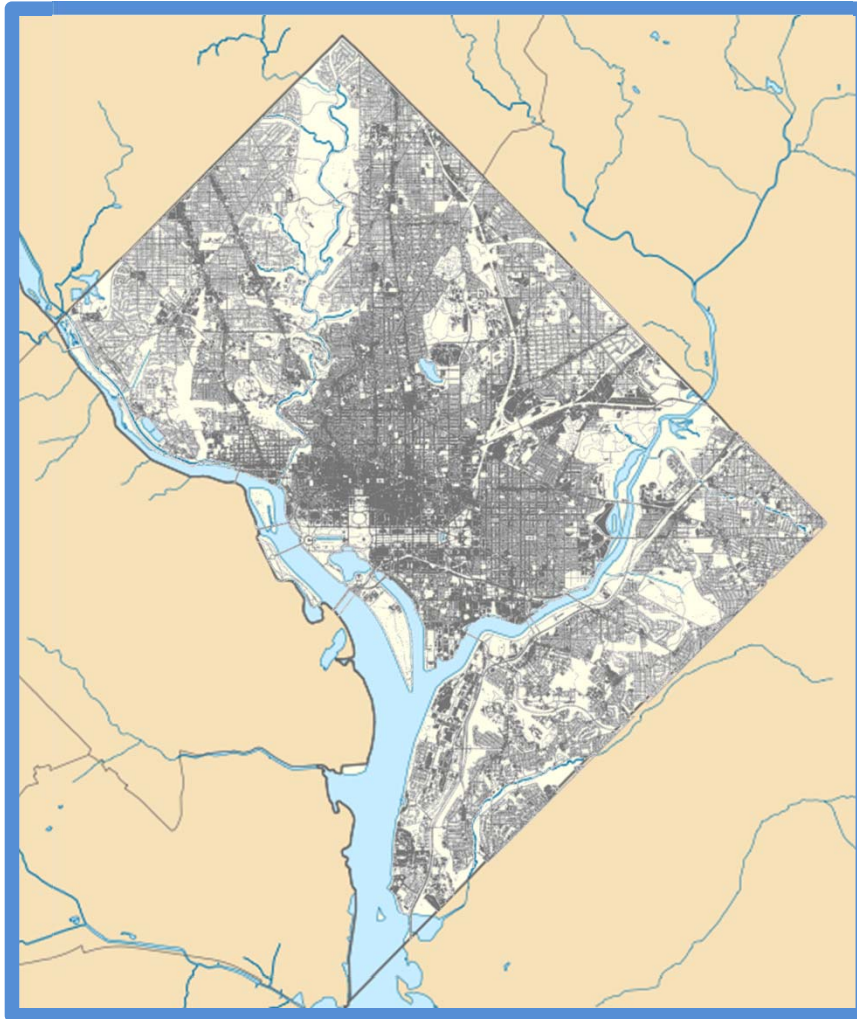


Surface runoff is minimal in an undeveloped site, but dominates the water balance at a highly impervious site.

PROBLEM OF STORMWATER POLLUTION



DISTRICT OF COLUMBIA LAND USE



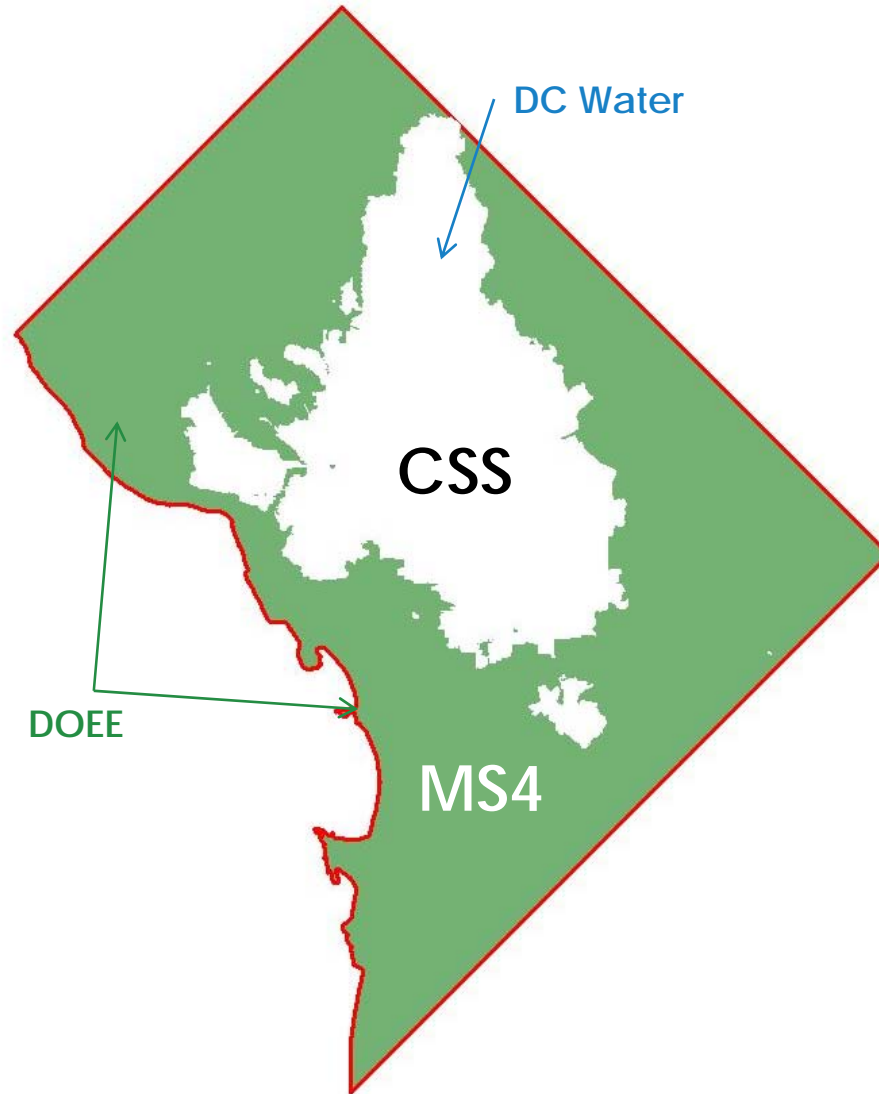
Total Area
68.3 mi²

Land Area
61.3 mi²

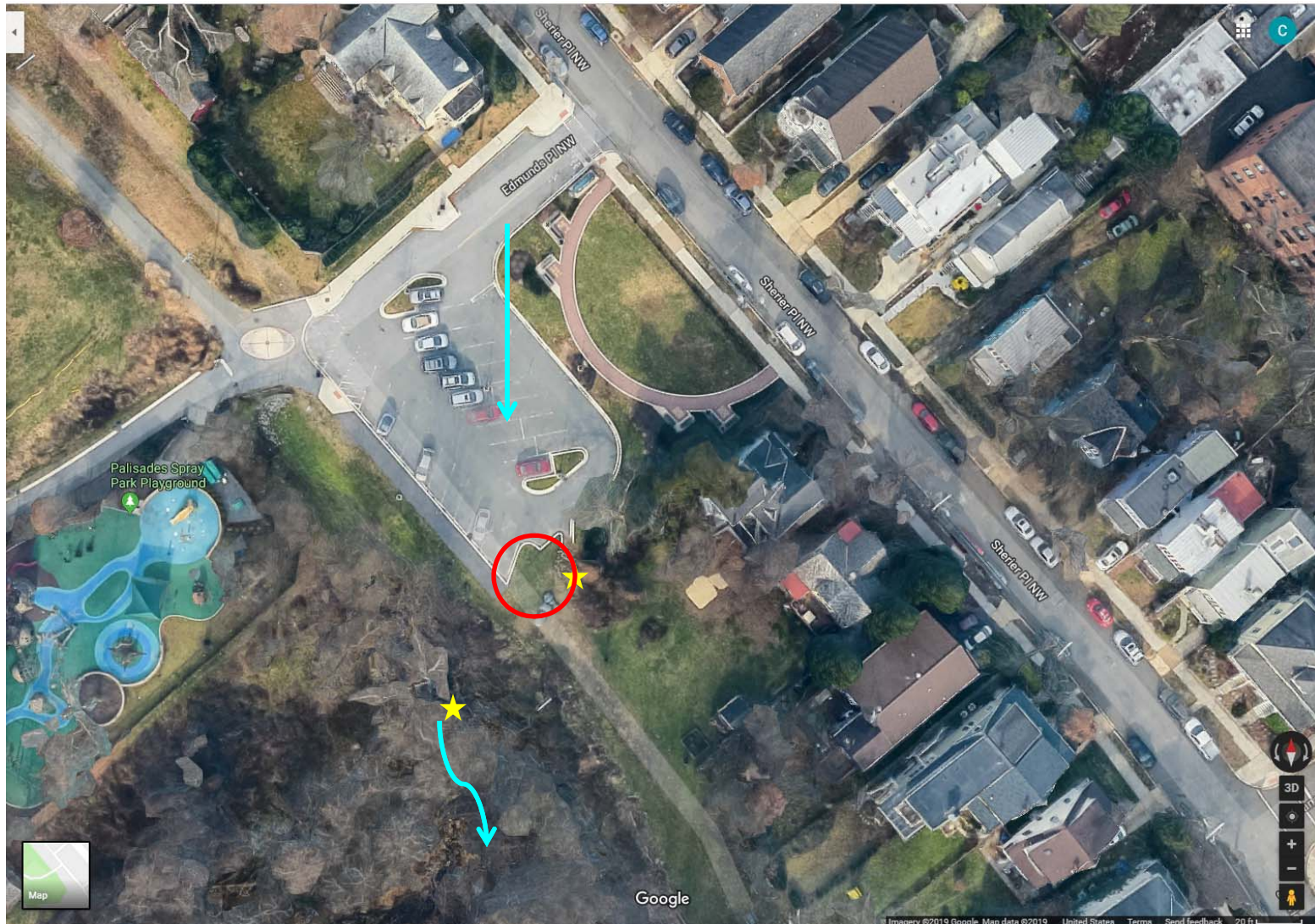
Impervious Area
26.6 mi²
*Approx 43%
of Land Area*

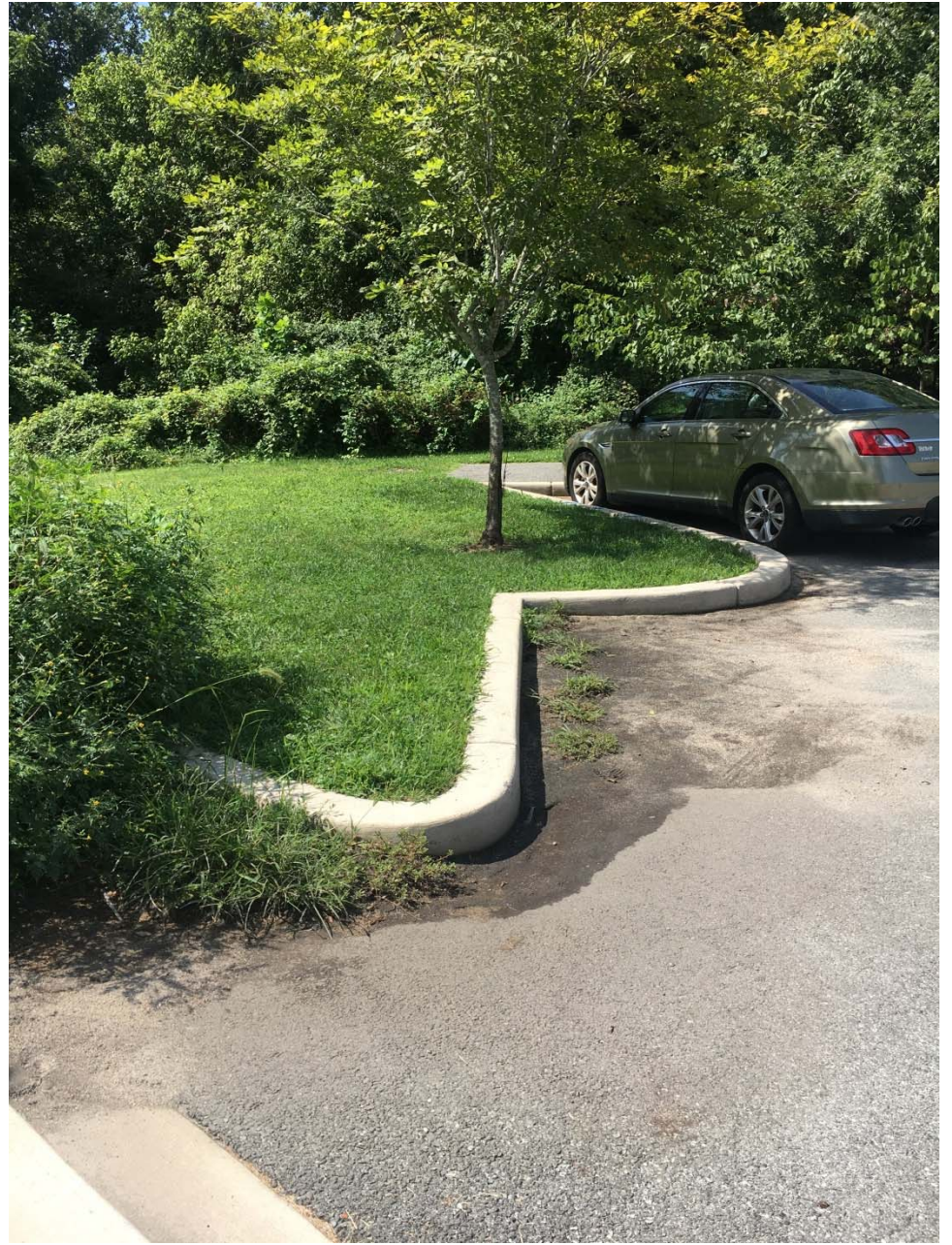
A single 1.2 inch storm falling on this area produces about 525 million gallons of stormwater runoff.

DC'S RESTORATION APPROACHES



EXISTING CONDITIONS







PROJECT OBJECTIVES

- Treat maximum amount of stormwater from the site in the most cost effective way
- Work only on District land
- Minimal impacts to the community
- Development of a community amenity
- Educational opportunities



RESTORATION APPROACHES

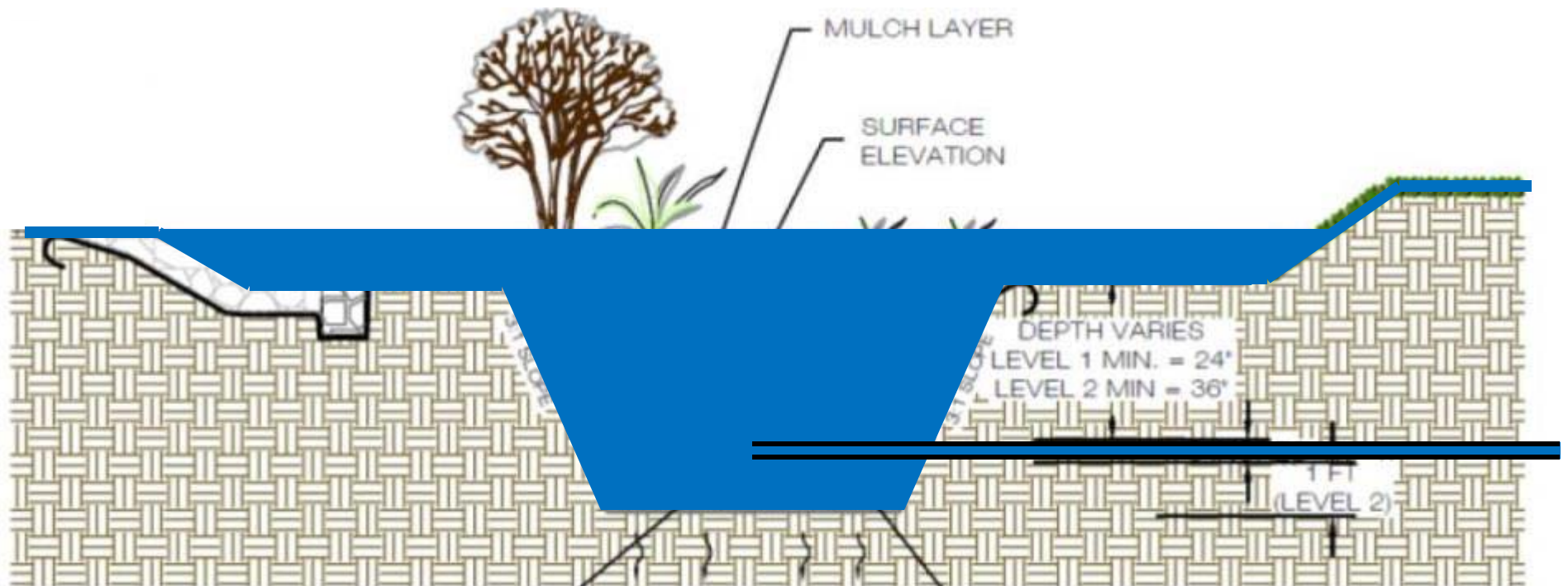
Most stormwater practices all work the same way: “they collect stormwater runoff and use or mimic natural processes that result in the infiltration, evapotranspiration or use of stormwater in order to protect water quality and associated aquatic habitat” (EPA).

Slow it down, Spread it Out, Soak it In!

BIORETENTION



BIORETENTION: HOW IT WORKS



FINAL DESIGNS





**DEPARTMENT
OF ENERGY &
ENVIRONMENT**

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**DPR II - 4 PARKS
STORMWATER
IMPROVEMENTS**

**PALISADES
COMMUNITY CENTER**
5200 SHERIER PL. NW
WASHINGTON, DC

**Natural
Resources
Design**

an ecologically focused design firm
Washington DC

1009 SHEPHERD ST. NE
WASHINGTON DC, 20017
202.489.6214
www.NaturalResourcesDesign.com
CBE# LSRB0160022021

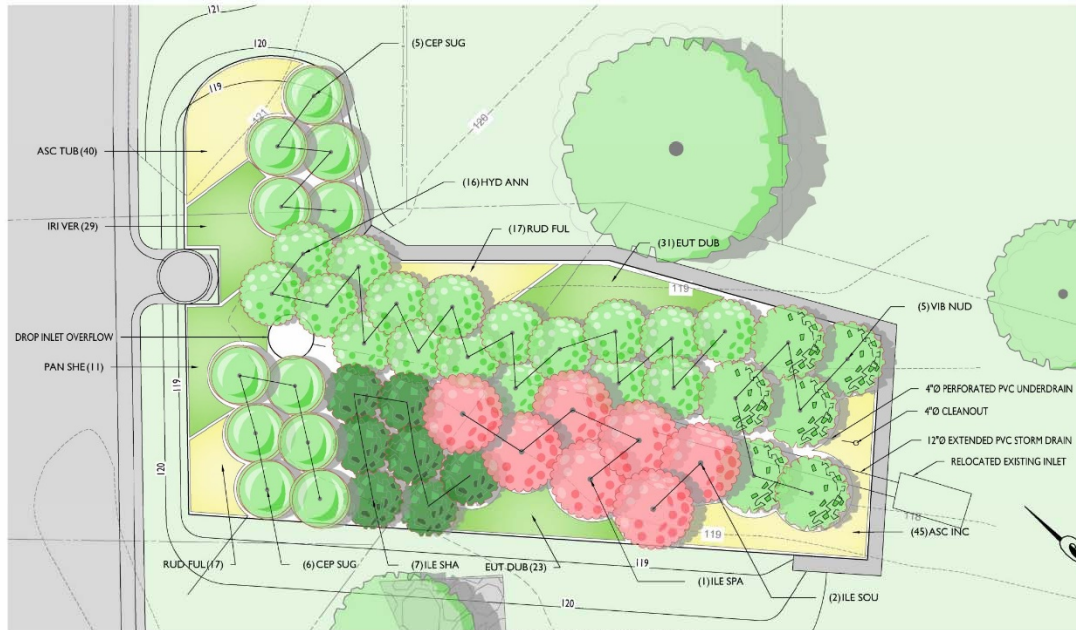


Designed: M. ZERFAS
Drawn: M. ZERFAS
Checked: J. HONEYMAN

Date: SEPTEMBER 10, 2020
Revisions:

**RENDERED PLANTING
PLAN & SCHEDULE**

L102



BIORETENTION BASIN BMP-1 PLANTING PLAN
SCALE: 1/4"=1'

BMP I SHRUB & PERENNIAL PLANT SCHEDULE

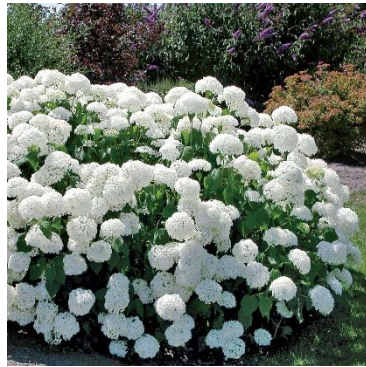
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE	CONDITION	REMARKS	
CEP SUG	11	Cephalanthus occidentalis / Sugar Shack / Buttonbush	24"-30"	Cont.		
HYD ANN	17	Hydrangea arborescens / Annabelle / Annabelle Hydrangea	3 gal.	Cont.		
ILE SHA	7	Ilex glabra / Shamrock / Shamrock Inkberry	24"-30"	Cont.		
ILE SOU	2	Ilex verticillata / Southern Gentleman / Southern Gentleman Winterberry Holly	30-36"	Cont.	Alt: Apollo	
ILE SPA	5	Ilex verticillata / Sparkleberry / Sparkleberry Winterberry	30-36"	Cont.		
VIB NUJ	6	Viburnum nudum / Winterthur / Winterthur Smooth Witherod	30-36"	Cont.		
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	SIZE	CONDITION	SPACING	REMARKS
ASC INC	45	Asclepias incarnata / Swamp Milkweed	1 qt.	Pot	12" oc.	
ASC TUB	40	Asclepias tuberosa / Butterfly Milkweed	1 qt.	Pot	12" oc.	
EUT DUB	54	Eutrochium dubium / Little Joe / Little Joe Pye Weed	1 qt.	Pot	12" oc.	'Baby Joe' variety accepted
IRI VER	29	Iris versicolor / Blue Flag Iris	1 qt.	Pot	12" oc.	
PAN SHE	11	Fanicum virgatum / Shenandoah / Switch Grass	1 qt.	Pot	18" oc.	
RUD FUL	34	Rudbeckia fulgida fulgida / Black-eyed Susan	1 qt.	Pot	12" oc.	Alt: 'Goldsturm'

BMP I GREEN MULCH PLANT SCHEDULE

	CHR PIE Chrysogonum virginianum / Pierre / Green and Gold Chrysogonum virginianum / Pierre / Green and Gold	441 sf 306 153	1 qt., Pot Plug, Plug	66% @ 12" oc 33% @ 12" oc
	SPO HET Sporobolus heterolepis / Prairie Dropseed Sporobolus heterolepis / Prairie Dropseed	197 sf 137 69	1 qt., Pot Plug, Plug	66% @ 12" oc 33% @ 12" oc



Buttonbush (CEP OCC)



Anabelle Hydrangea (HYD ANN)



Shamrock Inkberry (ILE SHA)



Sparkleberry Winterberry (ILE SPA)



Winterthur Smooth Witherod (VIB WIN)



Swamp Milkweed (ASC INC)



Butterfly Milkweed (ASC TUB)



Joe Pye Weed (EUT DUB)



Blue Flag Iris (IRI VER)



Shenandoah Switch Grass (PAN SHE)



Black-eyed Susan (RUD FUL)



Roundleaf Ragwort (PAC OBO)



Prairie Dropseed (SPO HET)

DPR II – 4 PARKS STORMWATER IMPROVEMENTS

PALISADES COMMUNITY CENTER
 5200 SHERIER PL. NW
 WASHINGTON, DC

PLANT IMAGES

DATE: SEPTEMBER 10, 2020

PROJECT TIMELINE

- May 2019: contract awarded
- May – August 2019: field assessment (topographic survey, geotechnical investigations etc.)
- August – January 2020: design development
- 3 public meetings:
 - Concept designs on 9/11/19
 - Semi-final designs (~65%): 12/12/19
 - Construction kickoff meeting (timeline): 9/30/2020
- Construction ~ 6-8 weeks
- Post-construction maintenance included in contract

CONSTRUCTION DETAILS



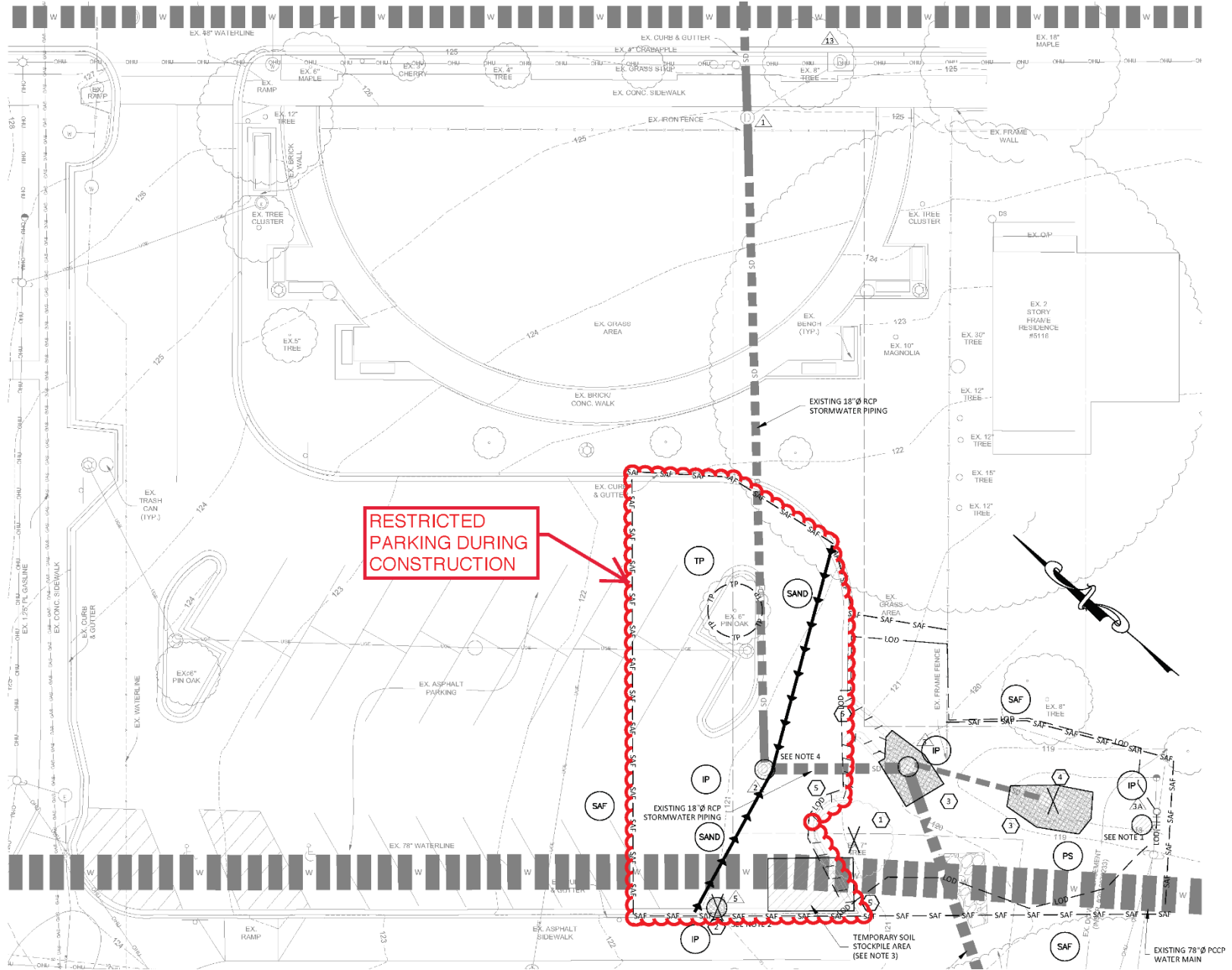
GENERAL INFORMATION

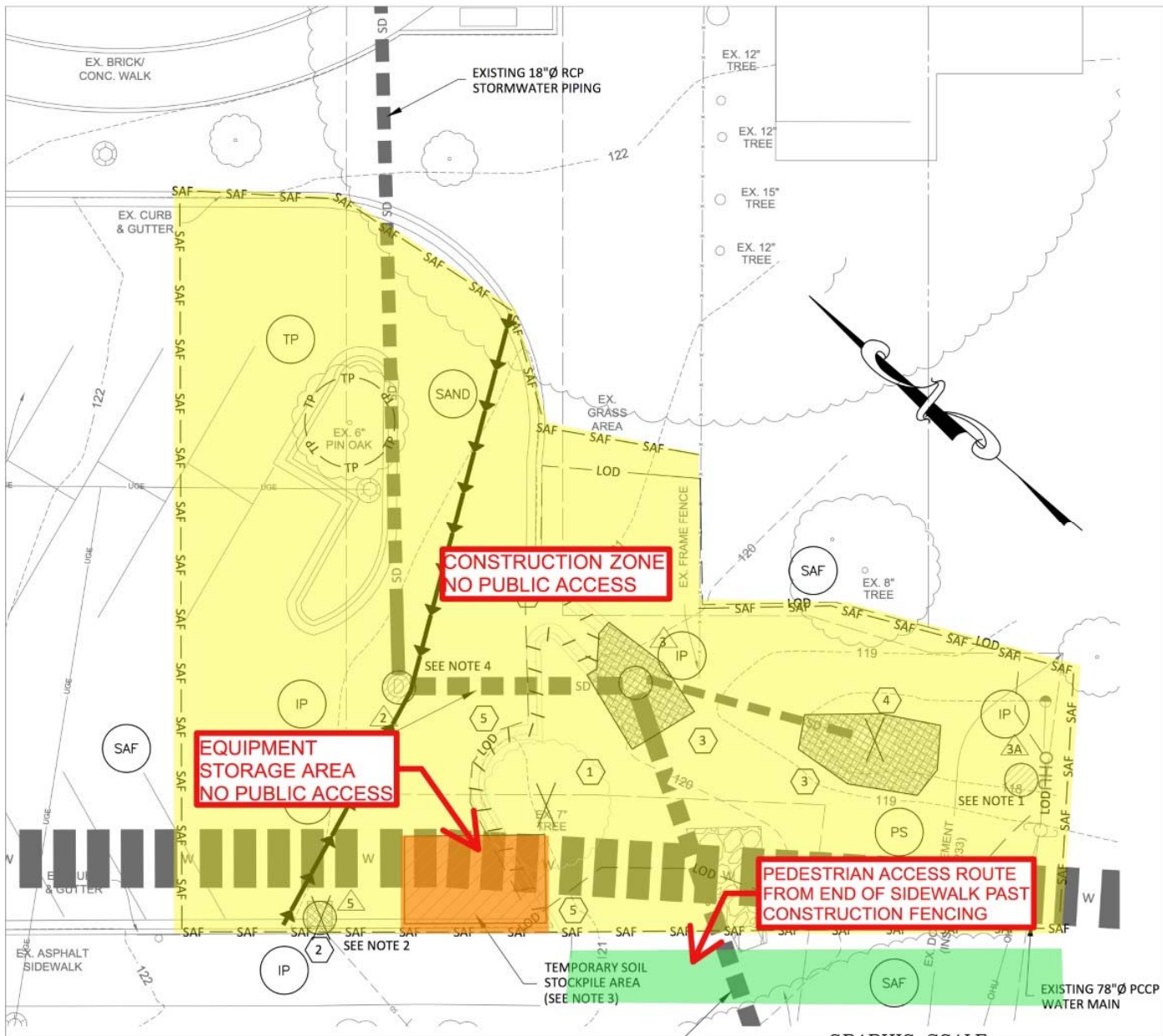
- All work to occur on weekdays (M-F)
- Work hours are 8AM–5PM
- Construction vehicles on site:
 - 1 skid steer loader
 - 1 track excavator
 - 1 stake body truck
 - 2 crew pick-up truck
- DOEE Community Point of Contact:
Cecilia Lane
Cecilia.lane@dc.gov
202-535-1961



SITE ACCESS & PARKING RESTRICTIONS

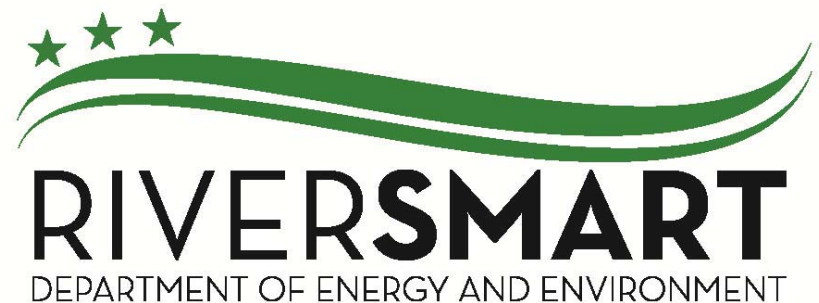
- Reduced parking in Recreation Center parking lot. Approximately 1/3rd of the parking lot adjacent to the construction area will be fenced off for the duration of construction.
- Restricted pedestrian access through a segment of the trolley trail adjacent to construction area. Restricted for the duration of construction.





FAQs

- How do we find our project sites?
 - Enthusiastic landowners!
 - Funding sources
 - Large areas of untreated impervious cover
 - More impactful locations
- What can I do?
 - RiverSmart Homes
 - Rain Gardens
 - Permeable Pavers
 - Rain Barrels
 - Tree Planting
 - “BayScaping”



<https://www.riversmarthomes.org/>

QUESTIONS



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