

# Plan Submittal in DOEE's Surface and Groundwater System

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Department of Energy & Environment

Green Infrastructure Incentives  
and Assessment Branch

July 1, 2022



# TRAINING OBJECTIVES

## INTRODUCTION

SEWERS IN THE DISTRICT

REGULATIONS

ACCOUNT CREATION

STORMWATER

MANAGEMENT PLANS

Site Information

Plan Information

Site Drainage Area

Adding BMPs

Rainwater Harvesting

Treatment Trains

Additional Steps

Construction Info

Landscape Engineer Info

Uploading Docs

PLAN SUBMISSION

Owners, Agents, Staff

Errors & compliance

Plan Submission

Fee Payment

Approval Process

SPECIAL EXEMPTIONS

PUBLIC RIGHT OF WAY

UNREGULATED PLANS

OFF-SITE CDAs

ESC & GAR

## What It Does:

Functions of the Surface and Groundwater System (SGS)

## Why We Use It:

Understanding role of SGS in DOEE's plan review process

## How To Use It:

Enter, modify, and submit stormwater plan information to DOEE through the SGS

# ABOUT THE SURFACE AND GROUNDWATER SYSTEM

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## Stormwater Management Plans

- Allows online entry and review of project data
- Automatically performs compliance calculations
- Allows project teams to access & share data during design, review, construction, and inspection
- Enables online fee payment
- Generates green infrastructure reports for DOEE

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## Stormwater Retention Credit (SRC) Trading Program

- Certify SRCs
- Find buyers and/or sellers of SRCs
- Purchase and use SRCs for Off-site Retention Volume (Offv) compliance
- Pay In-Lieu Fee (ILF)

## Additional Programs:

- RiverSmart Rewards
- CRIAC Non-profit Relief Program





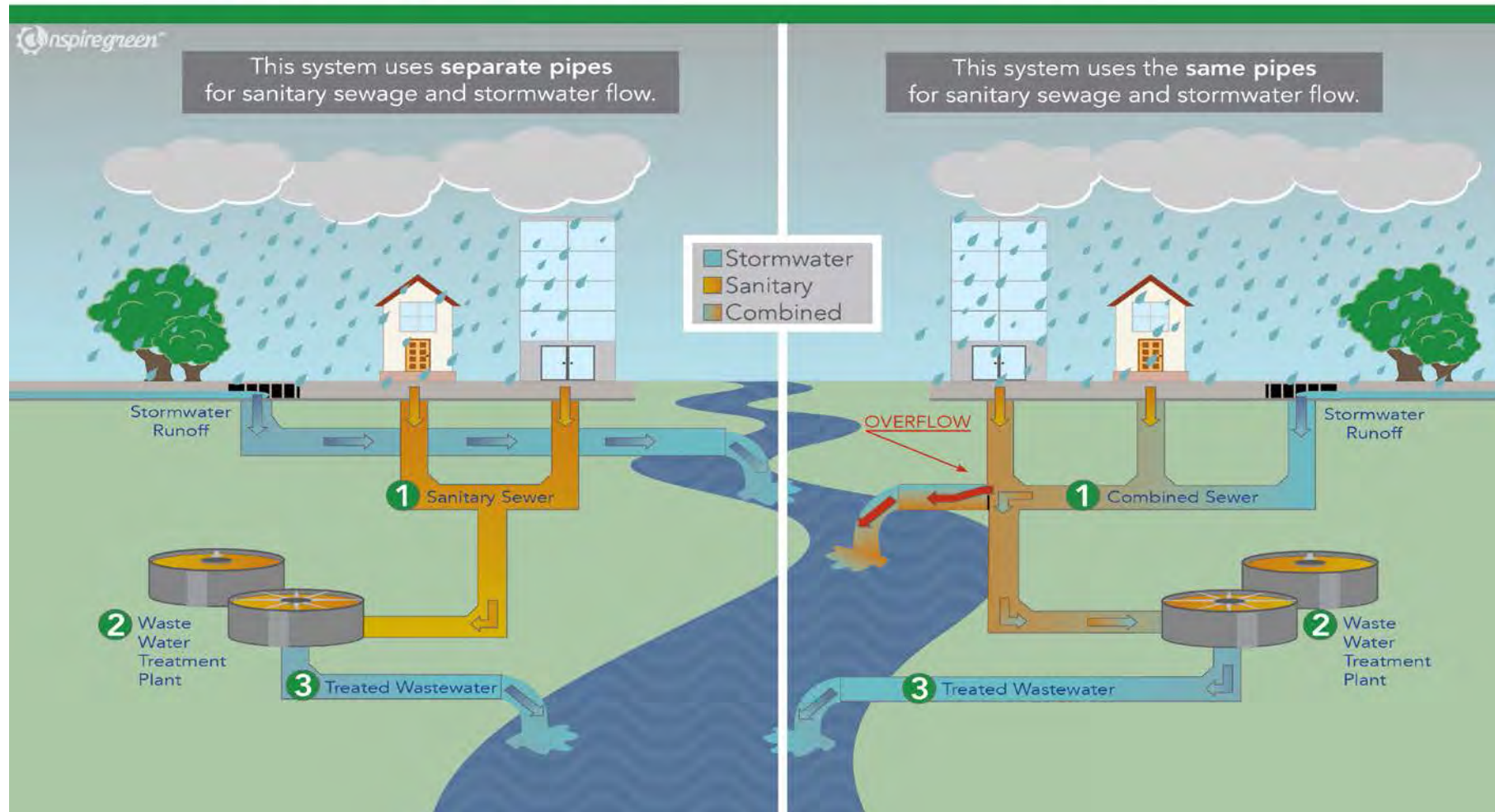
# An Overview of Sewers in the District

# SEWERS IN THE DISTRICT: CSS vs MS4

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## MS4 MUNICIPAL SEPARATE STORM SEWER SYSTEM

## CSS COMBINED SEWER SYSTEM





# SEWER SYSTEMS OF THE DISTRICT

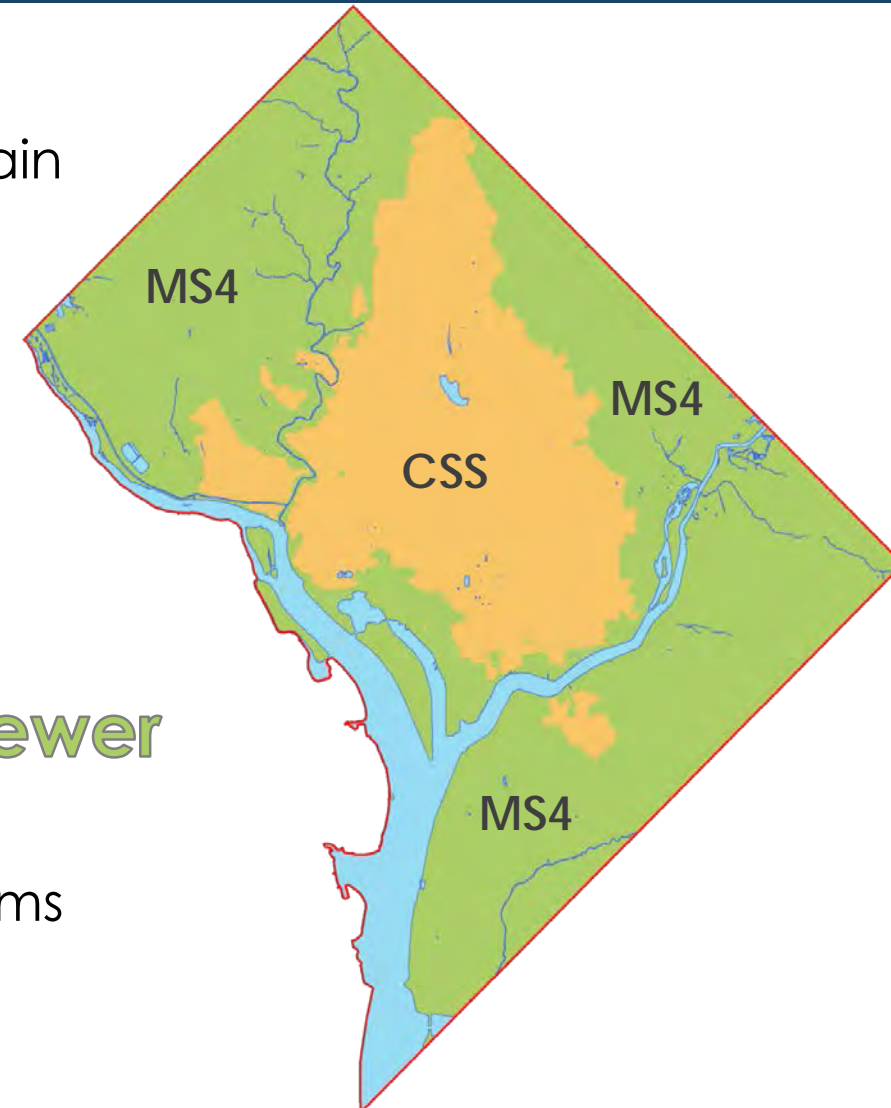
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## CSS: Combined Sewer System

- Stormwater runoff and sanitary sewage drain to sewer system
- Drains to DC Water Clean Rivers tunnels under Anacostia (currently) and Potomac (future) rivers.
- Green Infrastructure projects here have limited impact on water quality

## MS4: Municipal Separate Storm Sewer System

- Stormwater runoff drains directly into streams
- Green infrastructure has greatest impact







# The District's Stormwater Management Regulations



# REGULATORY REQUIREMENTS

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## Major Land Disturbing

## Major Substantial Improvement

*Trigger*

- 5,000 ft<sup>2</sup> land disturbance

*Trigger*

- 5,000 ft<sup>2</sup> structure footprint + land disturbance
- Major renovation
  - Project cost  $\geq$ 50% pre-project assessed structure value

- 2,500+ ft<sup>2</sup> post-project impervious area; OR
- Any pre-project natural area

*Requirements*

- **1.2-inch retention**

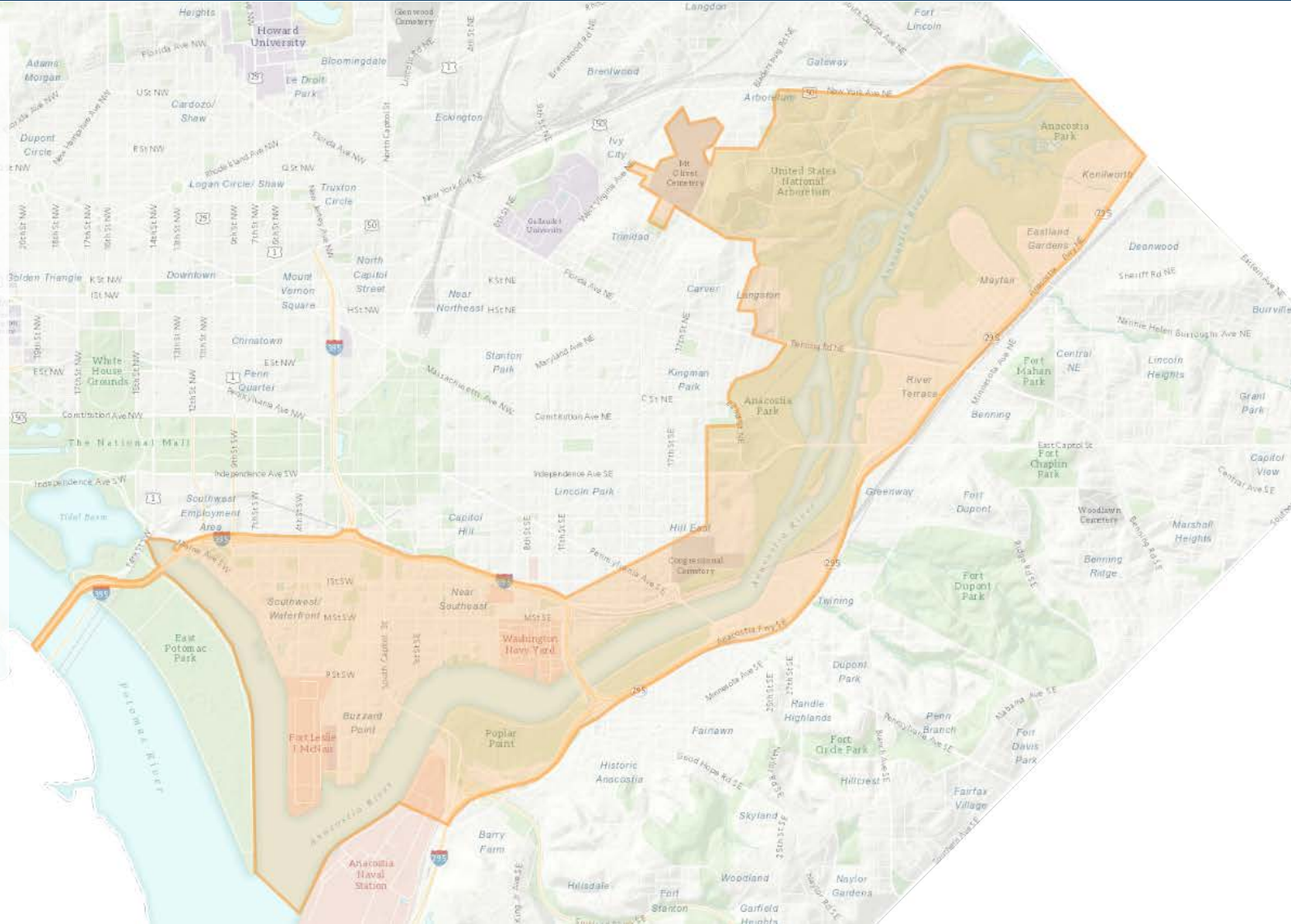
*Requirements*

- **0.8-inch retention**

# ANACOSTIA WATERFRONT DEVELOPMENT ZONE

Sites within the AWDZ that also receive District government funding have additional requirements:

- Major Substantial Improvement projects must retain stormwater from the first 1.0 inches of rain
- All sites must treat stormwater from the first **1.7 inches** of rain





# DEFINITIONS

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## **Stormwater Retention Volume (SWRv):**

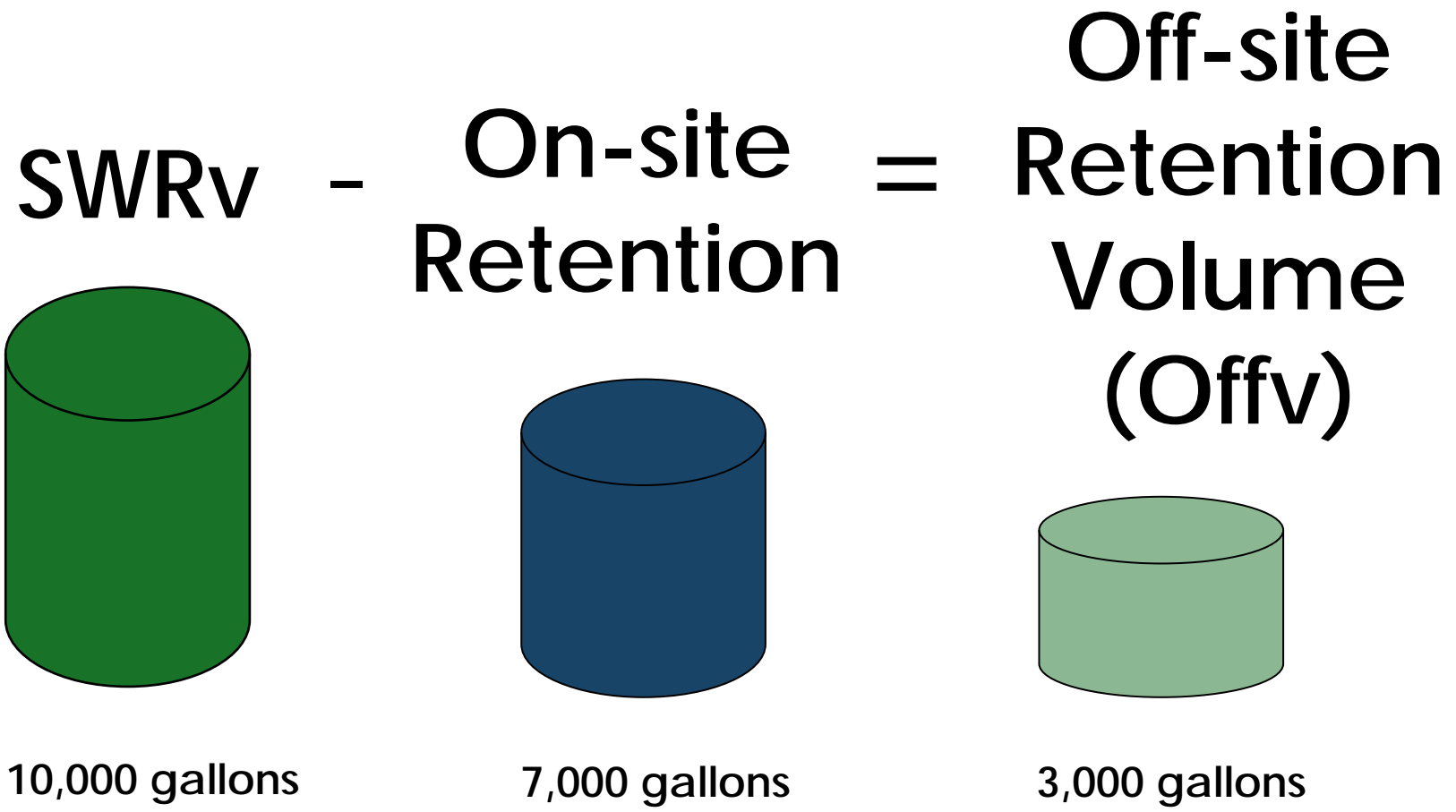
The volume of stormwater from a site for which the site is required to achieve retention

## **Off-Site Retention Volume (Offv):**

The portion of a project's SWRv that is not met through on-site green infrastructure

# OFF-SITE RETENTION VOLUME EXAMPLE

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SGS Home

Program Directory +

Support +

Instructions +

Resources +

Sys Admin Homepage >> ESC, SWM, GAR and FPM

#### Sites and Plans

Construction permit information for DOEE plan review for Soil Erosion and Sediment Control, Green Area Ratio, Stormwater Management and Floodplain

#### BMPs

View your BMPs

#### Agents and Staff

Give someone permission to access your projects or request permission to access someone else's projects

#### SRC and Offv Registry

View SRCs for sale, final prices of trades, current off-site retention (Offv) obligations and expected Offv and SRCs

#### My SRCs and Offv

Participate in Stormwater Retention Credit (SRC) trading and/or meet an Off-Site Retention Volume (Offv) obligation.

#### RiverSmart Rewards

Apply for RiverSmart Rewards and receive discounts on your DC Water bill.

#### Self-Inspection / Self-Reporting

Submit inspection and maintenance reports for post-construction stormwater best management practices.

#### Pay Fees

Search for fee assessments based on your plan number and make a payment online. You can also pay fees for your projects by clicking the link in your list of "pending actions," below, if applicable.

# Using the Surface and Groundwater System

# CREATING AN SGS USER ACCOUNT

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- Visit the SGS landing page at [doee.dc.gov/sgs](https://doee.dc.gov/sgs)
- Request an account (DOEE will approve request)
  - Do not use a generic email like permits@email.com
- Create log-in credentials
- DOEE communications may be sent from [notify@quickbase.com](mailto:notify@quickbase.com)
- **DO NOT** share your password or use someone else's account



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Surface and Groundwater System - ESC, SWM, GAR & FPM

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- ESC, SWM, GAR & FPM Home
- Program Directory +
- Support +
- Instructions +
- Resources +

Username or Email

Password

[I forgot my password](#)

Sign In

[Need an account? Click here to register.](#)

Need help? [Click here](#) for assistance.

Pay Fees

Search for fee assessments based on your plan number and make a payment online

SRC and Offv Registry

Estimate Permit Review Requirements and Fees

Attend a Training Session

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To use DOEE's Surface and Groundwater Database, please fill out the form below. After you submit your information, DOEE will approve your account and notify you via email with login instructions. Please ensure that you enter the correct email address.

You will receive a confirmation email from notify@quickbase.com. If you do not receive login credentials within the next business day, please contact an administrator.

Create an Organization Account  Select 'Yes' to manage an account on behalf of your organization in addition to your personal account.

First Name\*  Last Name\*

Email Address\*

Phone Number\*  Title

Organization Name  Include Organization Name in Address

Address Line 1\*

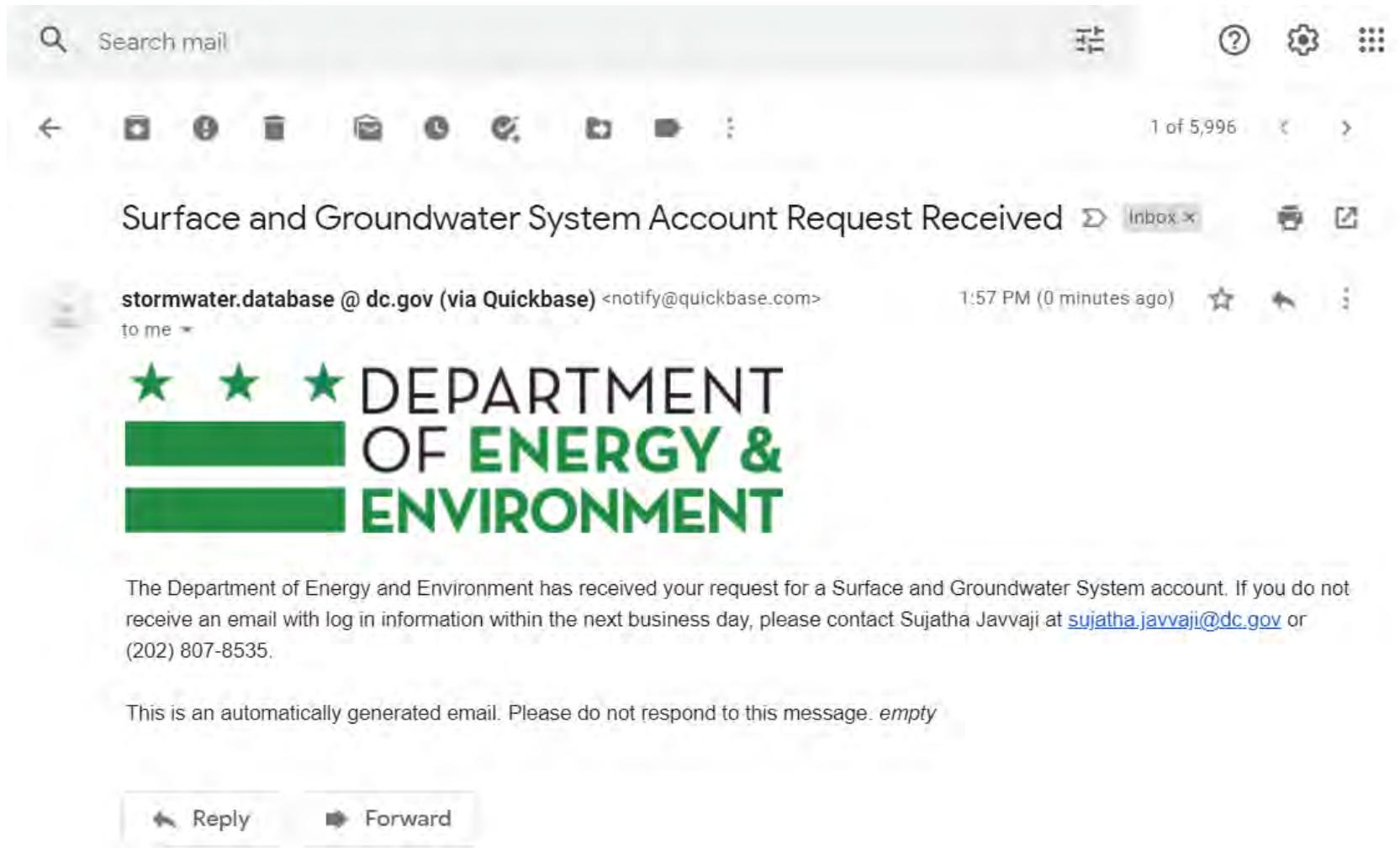
Address Line 2

City\*  State / District\*

Zip Code\*

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The screenshot shows an email interface with a subject line "Quickbase invite to the 'Surface and Groundwater System' app". The email content includes the Quickbase logo, a photo of a laptop on a desk, and a message from Brandon (DOEE) Hunt inviting the user to join the app. A red box highlights the button "GO TO THIS APP IN QUICKBASE".

**quickbase**

Quickbase invite to the "Surface and Groundwater System" app

Thu, Dec 9, 2021, 12:17 PM

**quickbase**

**Brandon (DOEE) Hunt invites you to join Surface and Groundwater System**

Thank you for requesting access to the Department of Energy & Environment's Stormwater Database. Click 'Go to this App in Quickbase' link at the bottom of this message to create your user ID and password. Once you complete your registration, you can return to the database at <http://doee.dc.gov/swdb>.

**GO TO THIS APP IN QUICKBASE**

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## Sign Up for Quickbase

All fields marked with an asterisk (\*) are required.

---

First name  
Last name  
([How can I change this?](#))  
Email address

---

Choose a password \*   
Retype password \*   
Password strength:   
✔ Must be at least 8 characters  
✔ Must include both numbers and letters

---

I have read and agree to the Quickbase [Terms of Service](#) and the Quickbase [Privacy Policy](#)

---

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Surface and Groundwater System - ESC, SWM, GAR & FPM

- SGS Home
- ESC, SWM, GAR & FPM Home
- Program Directory +
- Support +
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# Stormwater Management Plans



# STORMWATER MANAGEMENT PLAN OVERVIEW

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- Site Information
  - Physical location/property
- Plan Information
  - Project details
- Site Drainage Area Information
- BMP Information
  - Green infrastructure and stormwater practices
- Submission



# ENTERING SITE INFORMATION

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Surface and Groundwater System

- Program Directory +
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## Erosion, Stormwater, Green Area Ratio and Floodplain

Enter and access Erosion and Sediment Control (ESC), Stormwater Management (SWM), Green Area Ratio (GAR) and Floodplain Management (FPM) permit applications and inspections. Participate in the Stormwater Retention Credit (SRC) trading, RiverSmart Rewards and Self Inspection Self Reporting (SISR) programs.

## Wells and Soil Borings

Enter and access Wells and Soil Borings permit applications. Enter Driller company and individual driller information.

## Wetlands and Streams

Enter and access Wetland and Stream Permit applications or Water Quality Certifications.

## Pay Fees

Search for fee assessments based on your fee ID or plan number and make a payment online.



# ENTERING SITE INFORMATION

Welcome, Lukin +



Surface and Groundwater System - ESC, SWM, GAR & FPM

SGS Home Program Directory + Support + **Instructions +** Resources +

Public U

- Complete Instruction Manual
- Electronic Approval Stamps
- SGS Frequently Asked Questions**
- Agents & staff instructions
- GAR Landscape Checklist
- Obtain Covenant Approval
- Permitting instructions for small projects
- RiverSmart Rewards
- Self-Inspection Self-Reporting

**Erosion, Stormwater Management, and Area Ratio**

Enter and access Erosion, Stormwater Management, and Area Ratio permit applications.

**Wells and Soil Borings**

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Welcome, Lukin +

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Public User Home Page >> ESC, SWM, GAR and FPM

● My Pending Actions ( 0 record )

Column Filter(s) ( 0 Set )

\* This report shows actions available to you in the Surface and Groundwater system. The report indicates which actions you are required to take and which actions are optional. This is not an exhaustive list of all actions, but is meant to assist in completing common actions.

<b>Sites and Plans</b> Construction permit information for DOEE plan review for Soil Erosion and Sediment Control, Green Area Ratio, Stormwater Management and Floodplain	<b>BMPs</b> View your BMPs	<b>Agents and Staff</b> Give someone permission to access your projects or request permission to access someone else's projects	<b>SRC and Offv Registry</b> View SRCs for sale, final prices of trades, current off-site retention (Offv) obligations and expected Offv and SRCs
<b>My SRCs and Offv</b> Participate in Stormwater Retention Credit (SRC) trading and/or meet an Off-Site Retention Volume (Offv) obligation.	<b>RiverSmart Rewards</b> Apply for RiverSmart Rewards and receive discounts on your DC Water bill.	<b>Self-Inspection / Self-Reporting</b> Submit inspection and maintenance reports for post-construction stormwater best management practices.	<b>Pay Fees</b> Search for fee assessments based on your plan number and make a payment online. You can also pay fees for your projects by clicking the link in your list of "pending actions," below, if applicable.



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Public User Home Page >> ESC, SWM, GAR and FPM >> Sites and Plans

● My Sites ( 0 record ) Column Filter(s) ( 0 Set )

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● All Plans ( 0 record ) Column Filter(s) ( 0 Set )

● Upcoming Offv Requirements ( 0 record ) Column Filter(s) ( 0 Set )

- Plans that need an as-built submitted
- New Site**
- Notify DOEE of a Change in Site Ownership or Management  
Complete this form when a property is sold or the primary manager changes
- Plans Not Yet Submitted
- Request Pre-Development Review Meeting

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- ESC & GAR



Surface and Groundwater System - ESC, SWM, GAR & FPM

- SGS Home
- ESC, SWM, GAR & FPM Home
- Program Directory +
- Support +
- Instructions +
- Resources +

- Back
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Public User Home Page >> ESC, SWM, GAR and FPM >> Sites and Plans >> Record View

## Project Information

This page will help you determine which of DOEE's reviews are required for your project.

Which of the following best describes the project? \*

How many square feet will be disturbed on the parcel(s), excluding any disturbance in the existing public right of way? \*

Is the site within a flood hazard area designated in accordance with DCMR Title 20 Chapter 31? \*

Flood Risk Map

For information on flood hazard areas, consult [DCMR Title 20 Chapter 31](#)

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## Project Information

This page will help you determine which of DOEE's reviews are required for your project.

Which of the following best describes the project? \*

Parcel-based project with no disturbance in the right-of-way

Input Address

1200 First Street NE

Validate Address

After typing the address in the Input Address box, you must click "Validate Address"

How many square feet will be disturbed on the parcel(s), excluding any disturbance in the existing public right of way? \*

6000

How much of the disturbed area will be impervious post-project?\*

2500

Is any of the disturbed area natural pre-project (existing conditions)?\*

No

How much of the disturbed area consists of permeable athletic fields, tracks, and play areas at publicly accessible parks?

0

How much of the disturbed area consists of utility work?

0

Does the project involve repair, alteration, addition, or improvement of a building or structure?\*

No

Is the project conducted solely to generate Stormwater Retention Credits (SRCs) or receive a RiverSmart Rewards discount?\*

No

Note: Clicking "Save" is **NOT** a complete plan submittal



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- Support +
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- Resources +

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## Estimated Requirements

Estimate saved

**Note: you have not submitted your project to DOEE yet.**

To continue, click "Begin entering this Project." If you have not already done so, please download a copy of the instructions from the Instructions menu.

Begin entering this project

This page provides an estimate of which reviews will be required for your project. This page is not an official submittal to DOEE.

The estimate is based on the accuracy of the project information you have provided and is not an official determination. Actual review requirements and fees may vary if additional project information is provided.

Initial fees are due upon filing a building permit application. Final review fees are due upon plan approval.

Stormwater Management - [Learn More](#)

Is the plan a Stormwater Management Plan?

Yes

SWMP Initial Fee Payment

\$3561.24

# ENTERING SITE INFORMATION

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Surface and Groundwater System - ESC, SWM, GAR & FPM

SGS Home ESC, SWM, GAR & FPM Home Program Directory + Support + Instructions + Resources +

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You are entering a new site into the Surface and Groundwater System. Please follow these steps:

1. If the site does not have a street address, please change the "Address Format" to Block, Intersection, or Nearest Address. Then, skip to step 3.
2. Enter the site address (or place name; for example "The White house") in the box "Input Address or Place Name" and then click "Validate Address." Wait 10 seconds to allow the Surface and Groundwater System to check the District's Master Address Repository (MAR) for site information and fill out the form. On older web browsers, or if the address does not exist in the MAR, this function will not work or will display an error.
3. If the site is a block or intersection, or if the MAR could not find the site, complete the rest of the information in the "Site Information" section of the form.
4. Select the site owner or manager from the dropdown menu. If you do not see the name of the owner or manager, leave this blank. You must request to be an agent for the site owner or manager prior to submitting the plan for review.
5. Complete the "Location" section of the form with any known information. You may use the buttons in the "Location" section to look up SSL, sewershed, watershed, etc.
6. Click "Save"
7. After saving, click "Enter a new plan for this site" to continue entering plan information.

## ▼ SITE INFORMATION

For sites undergoing a regulated activity, enter the address on the building permit application.

Address Format \*

Address

Input address (or place name)\*

1200 First Street NE

Validate Address

Address number \*

1200

Street name \*

First

Street type \*

Street

Quadrant \*

NE

# ENTERING SITE INFORMATION

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 **Fields which are marked unique must contain unique values for all the records. The formula field "Street Address" contains a value that is the same as another record. You can try to save this record with different data or ask the manager of this application to check the formula field. (The site was not saved)**

You are entering a new site into the Surface and Groundwater System. Please follow these steps:

1. If the site does not have a street address, please change the "Address Format" to Block, Intersection, or Nearest Address. Then, skip to step 3.
2. Enter the site address (or place name; for example "The White house") in the box "Input Address or Place Name" and then click "Populate Data from Address." Wait 10 seconds to allow the Surface and Groundwater System to check the District's Master Address Repository (MAR) for site information and fill out the form. On older web browsers, or if the address does not exist in the MAR, this function will not work or will display an error.
3. If the site is a block or intersection, or if the MAR could not find the site, complete the rest of the information in the "Site Information" section of the form.
4. Select the site owner or manager from the dropdown menu. If you do not see the name of the owner or manager, leave this blank. You must request to be an agent for the site owner or manager prior to submitting the plan for review.
5. Complete the "Location" section of the form with any known information. You may use the buttons in the "Location" section to look up SSL, sewershed, watershed, etc.
6. Click "Save"
7. After saving, click "Enter a new plan for this site" to continue entering plan information.

## ▼ SITE INFORMATION

For sites undergoing a regulated activity, enter the address on the building permit application.

Address Format \*

Address

Input address (or place name)\*

1200 First Street NE [Populate Data from Address](#)

Address number \*

1200

Street name \*

First

Street type \*

Street

Quadrant \*

NE



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## > SITE INFORMATION

### > SITE OWNER

The site owner listed below should be the person who owns the site or who will be responsible for long-term management of the site. Typically, the project engineer should not be listed here.

Site Owner/Manager  Site Owner/Manager

BMP ID number	BMP Name	BMP Type and Subtype	Retention volume achieved (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?	Downstream BMP ID Numbers	Total Post project vehicular access area
---------------	----------	----------------------	--	--	------------------------------------	---------------------------	--

No BMPs found

### > LOCATION

Locate Watershed Find coordinates, square, suffix, and lot Find Major and Minor Drainage Areas

Find assessed value Find zone Find Soil Type

Flood Zone Determination Tool

X coordinate  Y coordinate

Storm sewer system \*  Major drainage area \*  Minor drainage area

Ward  Soil type  Assessed building value

Square  Suffix  Lot

Zone \*  Is the site within a designated flood hazard area? \*

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Site saved

### NEXT STEP

**Note: you have not submitted your project to DOEE yet.**

Your next step is to enter Plan information, which describes the project that will occur at this Site. Click "Enter a new plan for this site" below to begin entering Plan information.

### PLANS AFFILIATED WITH THIS SITE

[Enter a new plan at this site](#)

Plan number	DCRA Building permit number(s)	Stage in Plan Review Process	Construction complete	Is the plan a Stormwater Management Plan?	Is the plan a Soil Erosion and Sediment Control Plan?	Is the plan a Green Area Ratio plan?	Reviewer Name	GAR Reviewer Name	Inspector Name	SRC eligibility	Offv from approved plan
-------------	--------------------------------	------------------------------	-----------------------	---	---	--------------------------------------	---------------	-------------------	----------------	-----------------	-------------------------

No plans found

BMP ID number	BMP Name	BMP Type and Subtype	Retention volume achieved (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?	Downstream BMP ID Numbers	Total Post project vehicular access area
---------------	----------	----------------------	--	--	------------------------------------	---------------------------	--

No BMPs found

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PLAN TYPE AND EXEMPTIONS

Masterplan  
 DDOT Blanket Permit  
 Transition period vesting date \*  
07-15-2015 or later

Is the plan a Stormwater Management Plan? \* Yes  
 Is the plan a Soil Erosion and Sediment Control Plan? \* Yes  
 Is the plan a Green Area Ratio plan? \* Yes

Roadway Reconstruction or Similar Project \*  
 Version of Stormwater Management Guidebook used for BMP Design Specifications \*  
2020

SWMP number

What type of activity is Site undergoing? \*  
Major Land Disturbing

Is Site an "AWDZ site"? \*  
Non-AWDZ AWDZ Description

Are there any special or heritage trees?  
Does the plan have an EISF Requirement  
Will a certificate of occupancy be required on project completion?

Request exceptions:  
 Relief from extraordinarily difficult site conditions  Exception to 25-foot buffer \*  
 Is the entire site exempt from detention requirements for the 2-year storm  
No

Practicable Process for Single- and two-family affordable housing  
 Practicable process for structures at public parks and trails for non-motorized vehicles

SITE AND LOCATION

Site \*  
12345 Test Street NE

Is the entire site in the CSS? \*  
Yes

In which portion of the CSS is the project located? \*  
Tunnel

Look up CSS/MS4 areas at <https://dcois.maps.arcgis.com/apps/webappviewer/index.html?id=0bdc0da685a6428aabc17a9ae1602412>

} Default values based on site



# ANACOSTIA WATERFRONT DEVELOPMENT ZONE

## INTRODUCTION

SEWERS IN THE DISTRICT

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ACCOUNT CREATION

STORMWATER

MANAGEMENT PLANS

Site Information

**Plan Information**

Site Drainage Area

Adding BMPs

Rainwater Harvesting

Treatment Trains

Additional Steps

Construction Info

Landscape Engineer Info

Uploading Docs

PLAN SUBMISSION

Owners, Agents, Staff

Errors & compliance

Plan Submission

Fee Payment

Approval Process

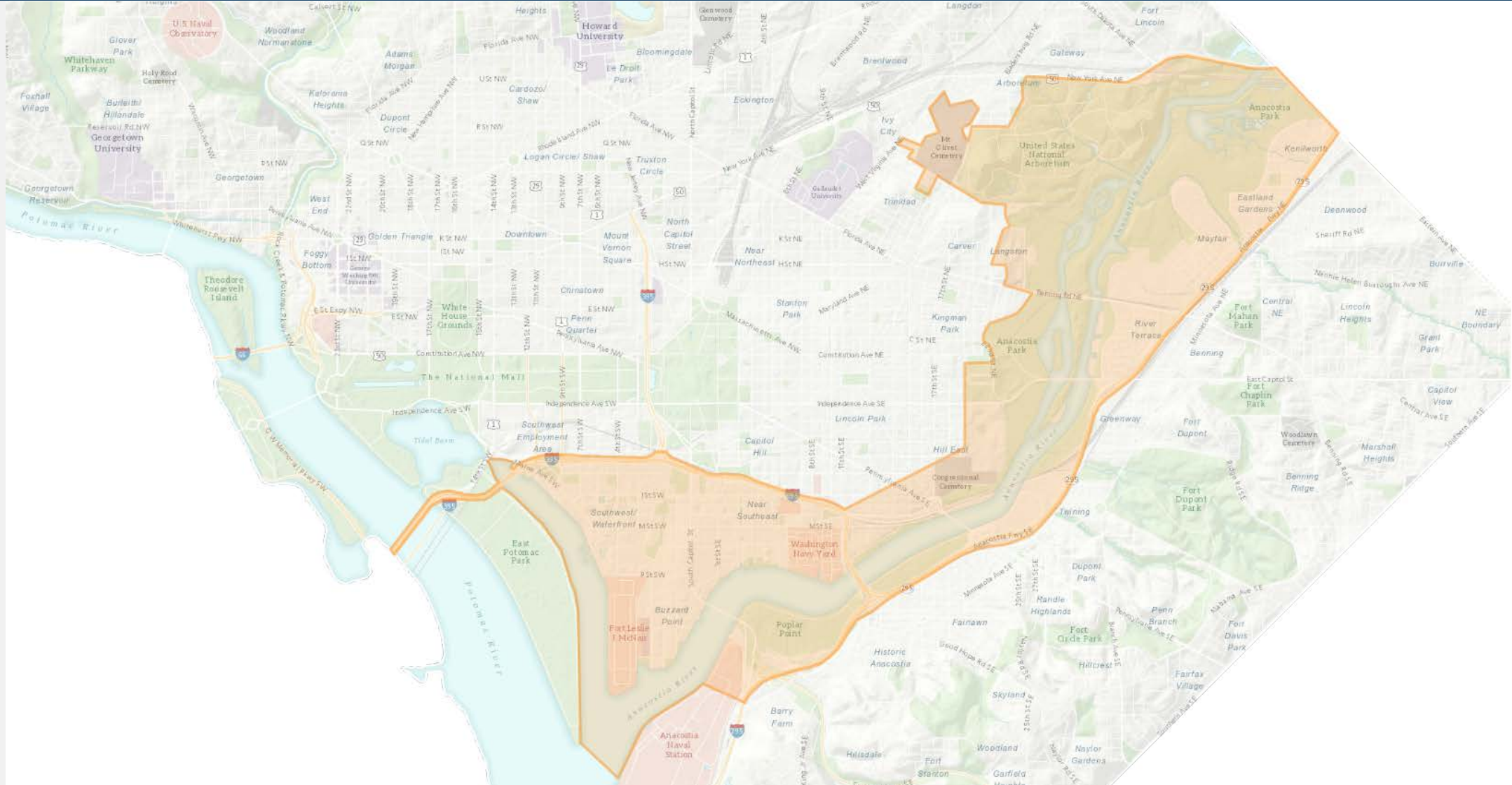
SPECIAL EXEMPTIONS

PUBLIC RIGHT OF WAY

UNREGULATED PLANS

OFF-SITE CDAs

ESC & GAR



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**NOTE: Do not enter "TBD" or false info**

PLAN TYPE AND EXEMPTIONS

SITE AND LOCATION

PROJECT DESCRIPTION

Project Name: Test Project

Property Class: Commercial

Total cost of construction: 1000000

Submission Type: ProjectDox

Volume of cut (cubic yards): 100

Volume of fill (cubic yards): 100

Project Description (max 250 characters): This is an example project

Is this a PUD project: No

GREEN AREA RATIO

Zoning Regulation: 2016

Lot area: [ ]

Zone: D-5

Required GAR Score: 0.2

There is more than one record lot: [ ]

Add/edit CLE Information

Landscape expert name (design): [ ]

Landscape expert email (Design): [ ]

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Plan saved

[View printer-friendly version](#)

Enter the Owner Information Add Site Drainage Areas Add BMPs Fix All Errors Generate Required Plan Compliance Sheet Submit

Submit Identify Errors Required Plan Compliance Sheet

PLAN TYPE AND EXEMPTIONS

Masterplan

Transition period vesting date  
07-15-2015 or later

Is the plan a Stormwater Management Plan? Yes  
 Is the plan a Soil Erosion and Sediment Control Plan? Yes  
 Is the plan a Green Area Ratio plan? Yes

Roadway Reconstruction or Similar Project

Version of Stormwater Management Guidebook used for BMP Design Specifications  
2020

SWMP number

What type of activity is Site undergoing? Major Land Disturbing  
 Is Site an 'AWDZ site?' Non-AWDZ

Are there any special or heritage trees?

Does the plan have an EISF Requirement

Will a certificate of occupancy be required on project completion?





# Site Drainage Areas (SDAs)



# SITE DRAINAGE AREA

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**Site drainage area:** An area that drains stormwater from a site to a single discharge point, or sheet flows from a single area off the site

**Standard Project (most sites):**

Discharge from Lot Boundary

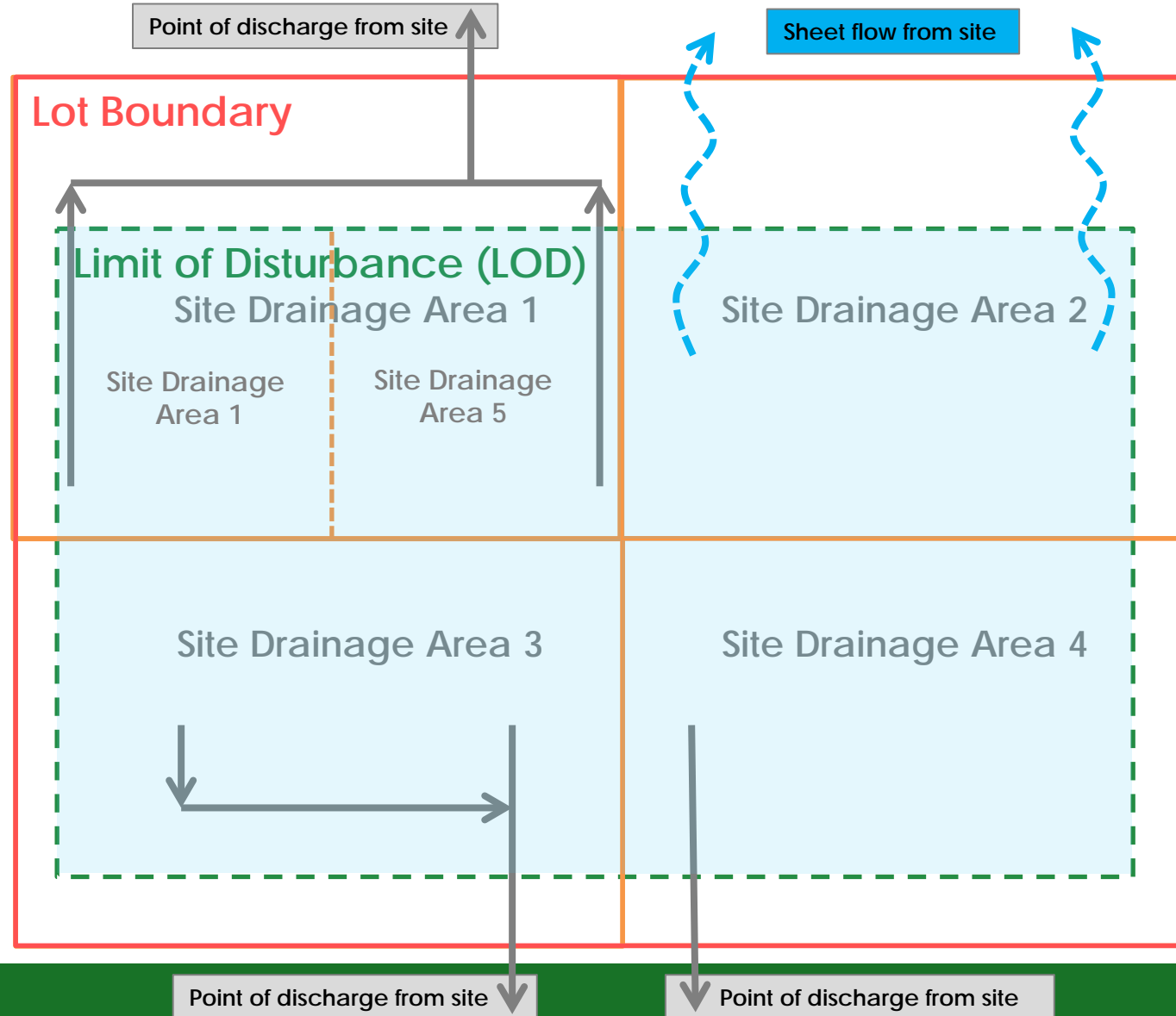
**Campus:**

Discharge from Limit of Disturbance (LOD)

**NOTE:** Projects in MS4 have slightly different SDA requirements than projects in the CSS

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Site Drainage Area  
Standard Project:  
Discharge from Lot Boundary

Campus Projects:  
Discharge from LOD

- Key:
- Lot Boundary
  - - - Limit of Disturbance
  - - - Sheet Flow
  - Drainage Conduits
  - Site Drainage Area



# SITE DRAINAGE AREA (SDA)

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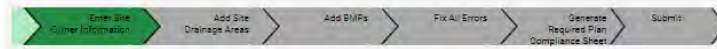
Surface and Groundwater System - ESC, SWM, GAR & FPM

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- Support +
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- Resources +

Back Refresh

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Submit Identify Errors Required Plan Compliance Sheet

PLAN TYPE AND EXEMPTIONS

APR/Velocity

SITE AND LOCATION

Site  Is the entire site in the CSS? In which portion of the CSS is the project located?

[12345 Test Street NE](#) Yes Tunnel

Look up CSS/MS4 areas using the [Sewershed Locator](#).

Major drainage area Plan Minor Drainage Area

Anacostia Anacostia River

Soil type

Ub

LAND COVER AND SITE DRAINAGE AREAS

Add Site Drainage Area

Site Drainage Areas

Site Drainage Area ID	CSS?	AWDZ	Type of Activity	Minimum requirements for drainage area met?	Public Right of Way	Site Drainage Area SWRv (gal)
-----------------------	------	------	------------------	---	---------------------	-------------------------------

No site drainage areas found

# SITE DRAINAGE AREA – CSS EXAMPLE

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SGS Home ESC, SWM, GAR & FPM Home Program Directory + Support + Instructions + Resources +

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Once the Site Drainage Area is added, you can review your plan information to see the total land cover, retention requirements, and retention achieved for all of your Site Drainage Areas combined.

<b>Plan</b> 7366	<b>Site Drainage Area Number</b> 1	<b>Site Drainage Area ID</b> 7366-1
<input type="checkbox"/> Site Drainage Area is in the Public Right of Way	<b>Is Site Drainage Area in the AWDZ?</b> Non-AWDZ	<b>SWRv rain event (in)</b> 1.2
<b>Type of activity Site Drainage Area is undergoing</b> Major Land Disturbing	<b>Site Drainage Area major drainage basin</b> Anacostia	<b>Site Drainage Area minor drainage basin</b> Anacostia River
<b>Is the Site Drainage Area in the CSS?</b> Yes	<b>Does a portion of the SDA consist solely of cutting a trench for utility work?</b>	
<b>Is the entire Site Drainage Area exempt from detention requirements for the 2-year storm?*</b> No		

### MAJOR LAND DISTURBING ACTIVITY

Only include area within the limits of disturbance

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	5000			4000	1000
Pre project	5000		5000		

Pre-project & Post-project total area must be the same

# SITE DRAINAGE AREA – MS4

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- PUBLIC RIGHT OF WAY
- UNREGULATED PLANS
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**Remember:** Projects in MS4 area must retain or treat 50% of the SWRv. This applies to each SDA.

## **Vehicular Access Area (VAA):**

any area used to park, drive, or work on a vehicle

- 100% of VAA must drain to BMPs
- Retain or treat 50% of the SWRv from the entire Vehicular Access Area



# SITE DRAINAGE AREA – MS4 EXAMPLE

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Once the Site Drainage Area is added, you can review your plan information to see the total land cover, retention requirements, and retention achieved for all of your Site Drainage Areas combined.

<b>Plan</b> 7366	<b>Site Drainage Area Number</b> 2	<b>Site Drainage Area ID</b> 7366-2
<input type="checkbox"/> Site Drainage Area is in the Public Right of Way	<b>Is Site Drainage Area in the AWDZ?</b> Non-AWDZ	<b>SWRv rain event (in)</b> 1.2
<b>Type of activity Site Drainage Area is undergoing</b> Major Land Disturbing	<b>Site Drainage Area major drainage basin</b> Anacostia	<b>Site Drainage Area minor drainage basin</b> Anacostia River
<b>Is the Site Drainage Area in the CSS?*</b> No	<b>Does a portion of the SDA consist solely of cutting a trench for utility work?</b>	
<b>Is the entire Site Drainage Area exempt from detention requirements for the 2-year storm?*</b> No		

### MAJOR LAND DISTURBING ACTIVITY

Only include area within the limits of disturbance

Pre-project & post-project total area must be the same

	Total (square feet)	Natural land cover	+	Compacted land cover	+	Impervious land cover	+	BMP Land Cover	+	Vehicular Access Area
Post project	6000		+	2000	+	3000	+	1000	+	3000
Pre project	6000					6000				

Note: Vehicular Access Area is a subcomponent of Impervious Land Cover

# SITE DRAINAGE AREA – MS4 Requirements

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**Add another Site Drainage Area to this Plan** Site Drainage Area Information

## SITE DRAINAGE AREA INFORMATION

Plan <a href="#">7366</a>	Site Drainage Area Number 2	Site Drainage Area ID 7366-2
<input type="checkbox"/> Public Right of Way	Is Site Drainage Area in the AWDZ? Non-AWDZ	<input type="checkbox"/> SWRv rain event (in) 1.2
Type of activity Site is undergoing Major Land Disturbing	Site Drainage Area major drainage basin Anacostia	Site minor drainage basin Anacostia River
Is the Site Drainage Area in the CSS? No	Does a portion of the SDA consist solely of cutting a trench for utility work?	Is there an area that consists solely of a real or synthetic athletic field, or a permeable track or play area?
<input type="checkbox"/> Is the entire Site Drainage Area exempt from detention requirements for the 2-year storm? No		

## MAJOR LAND DISTURBING ACTIVITY

	Cubic feet	Gallons
Site Drainage Area SWRv	430	3216
Treatment requirement for vehicular access area	143	1066

# SITE DRAINAGE AREA

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- PLAN TYPE AND EXEMPTIONS
- APR/Velocity
- SITE AND LOCATION

LAND COVER AND SITE DRAINAGE AREAS

Add Site Drainage Area

Total area  
11,000

Post-project natural land cover	Post-project compacted land cover	Post-project impervious land cover	Post-project BMP land cover
0	2000	7000	2000
Pre-project natural land cover	Pre-project compacted land cover	Pre-project impervious land cover	Pre-project BMP land cover
0	5000	6000	0

Site Drainage Areas

Full Report | More ▾ 2 Site Drainage Areas

Site Drainage Area ID	CSS?	AWDZ	Type of Activity	Minimum requirements for drainage area met?	Public Right of Way	Site Drainage Area SWRv (gal)
7366-1	No	Non-AWDZ	Major Land Disturbing	Yes		3553
7366-2	No	Non-AWDZ	Major Land Disturbing	No		3216
<b>TOT</b>						<b>6769</b>





SDAs- More Than One Type of Activity

# SITE DRAINAGE AREAS - MORE THAN ONE TYPE OF ACTIVITY

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- **More Than One Type of Activity projects:** Projects that trigger both Major Land Disturbing and Major Substantial Improvement requirements

# SITE DRAINAGE AREAS - MORE THAN ONE TYPE OF ACTIVITY

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**PLAN TYPE AND EXEMPTIONS**

Masterplan  
 DDOT Blanket Permit  
 Transition period vesting date \*  
07-15-2015 or later x +

Is the plan a Stormwater Management Plan? \* Yes  
 Is the plan a Soil Erosion and Sediment Control Plan? \* Yes  
 Is the plan a Green Area Ratio plan? \* Yes

Roadway Reconstruction or Similar Project  
 Version of Stormwater Management Guidebook used for BMP Design Specifications \*  
2020

SWMP number

What type of activity is Site undergoing? \*  
More than one type of activity

Is Site an 'AWDZ site'? \*  
Non-AWDZ AWDZ Description

Are there any special or heritage trees?  
Does the plan have an EISF Requirement  
Will a certificate of occupancy be required on project completion?

Request exceptions:  
 Relief from extraordinarily difficult site conditions  Exception to 25-foot buffer  
 Is the entire site exempt from detention requirements for the 2-year storm  
No

Practicable Process for Single- and two-family affordable housing  
 Practicable process for structures at public parks and trails for non-motorized vehicles

**SITE AND LOCATION**

Site \*  
12345 Test Street NE

Is the entire site in the CSS? \*  
Yes

In which portion of the CSS is the project located?  
Tunnel

Look up CSS/MS4 areas at <https://dcgis.maps.arcgis.com/apps/webappviewer/index.html?id=0bdc0da685e6428aabc17a9ae1602412>

Major drainage area \*  
Anacostia

Minor Drainage Area \*  
Anacostia River x +



# SITE DRAINAGE AREAS - MORE THAN ONE TYPE OF ACTIVITY

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Once the Site Drainage Area is added, you can review your plan information to see the total land cover, retention requirements, and retention achieved for all of your Site Drainage Areas combined.

Plan: 7377

Site Drainage Area Number: 1

Site Drainage Area ID: 7377-1

Site Drainage Area is in the Public Right of Way

Type of activity Site Drainage Area is undergoing\*: **Mix of Major Land Disturbing and Major Substantial Improvement**

Is Site Drainage Area in the AWDZ? Non-AWDZ

SWRv rain event (in):

Is the Site Drainage Area in the CSS? Yes

Site Drainage Area major drainage basin: Anacostia

Site Drainage Area minor drainage basin: Anacostia River

Is the entire Site Drainage Area exempt from detention requirements for the 2-year storm? No

Does a portion of the SDA consist solely of cutting a trench for utility work?

**MAJOR LAND DISTURBING ACTIVITY**

Only include area within the limits of disturbance

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	3000		1000	1000	1000
Pre project	3000		3000		

**MAJOR SUBSTANTIAL IMPROVEMENT ACTIVITY**

For the structure that is being renovated, what is the portion of the footprint of the structure that is within this SDA?\*: 10000

Only include area within the limits of disturbance (including the building footprint)

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	10,000			10000	
Pre project	10,000			10000	

# SITE DRAINAGE AREAS - MORE THAN ONE TYPE OF ACTIVITY

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Add another Site Drainage Area to this Plan Site Drainage Area Information

SITE DRAINAGE AREA INFORMATION

MAJOR LAND DISTURBING ACTIVITY

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	3000		1000	1000	1000
Pre project	3000		3000		

MAJOR SUBSTANTIAL IMPROVEMENT ACTIVITY

For the structure that is being renovated, what is the portion of the footprint of the structure that is within this SDA? (square feet)

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	10,000			10,000	
Pre project	10,000			10,000	

SWRv AND WQTV

	Cubic feet	Gallons
Site Drainage Area SWRv	848	6345

BMPs

DRAINAGE AREA COMPLIANCE

	Cubic feet	Gallons
Retention volume remaining	848	6345

50% of SWRv retained? No N/A Runoff from vehicular access areas sufficiently retained or treated? N/A

Is treatment required? No N/A Minimum requirements for drainage area met?

Note about SWRv

Diff Site Retention may be needed.

Can generate SRCs from PROW?



**Adding BMPs**



# ADDING BMPs

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- **BMP:** best management practice. These are the retention practices that will be installed on site.
- **BMP ID numbers:** SWMP number-SDA number-BMP number
  - Example: 7366-1-1

The first BMP added into the first SDA of plan 7366

GENERAL BMP INFORMATION		
Plan Number	BMP number	BMP ID number
<a href="#">7366</a>	1	7366-1-1

# ADDING BMPs

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Add another Site Drainage Area to this Plan

Site Drainage Area Information

> SITE DRAINAGE AREA INFORMATION

> MAJOR LAND DISTURBING ACTIVITY

▼ SWRv AND WQTV

	Cubic feet	Gallons
Site Drainage Area SWRv	475	3553

▼ BMPs

Add BMP to this Site Drainage Area

Add each BMP individually

Retention volume achieved from outside authority of site owner  Net retention eligible for meeting onsite obligations (cubic feet)

0

Volume treated from outside authority of site owner  Net volume eligible for treatment obligations (cubic feet)

0

# ADDING BMPs

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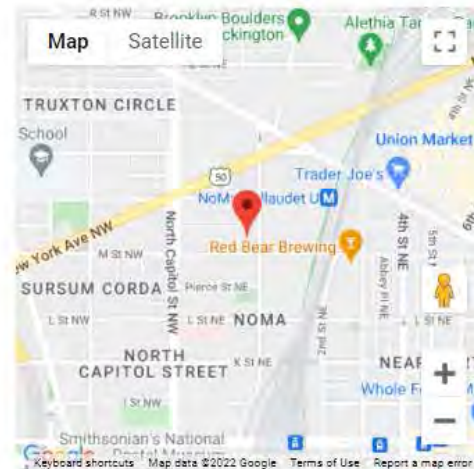
Once the BMP is added, you can review your Site Drainage Area or Plan information to see the total retention achieved and the progress toward meeting requirements.

▼ BMP LOCATION

BMP Latitude **38.906088**

BMP Longitude **-77.006356**

Move the location of the pin on this map to identify the location of the BMP on the site.



- › GENERAL BMP INFORMATION
- › CONTRIBUTING DRAINAGE AREA
- › BMP RETENTION AND TREATMENT ACHIEVED

Y (Latitude) & X (Longitude) must be entered before submitted



# ADDING BMPs

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Once the BMP is added, you can review your Site Drainage Area or Plan information to see the total retention achieved and the progress toward meeting requirements.

> BMP LOCATION

▼ GENERAL BMP INFORMATION

Plan Number 7366	BMP number 1	BMP ID number 7366-1-1
BMP X Coordinate 399448.70305	BMP Y Coordinate 137581.10074	Previous Inspection Installation Date
BMP Group * Green Roof	BMP type * Extensive green roof	BMP sub-type
<b>BMP Name</b> Green roof 1	RSH Tree Species	
Did DOEE help pay for this BMP? No	RSH Tree Rebate Amount	

BMP Name is optional for identification

▼ CONTRIBUTING DRAINAGE AREA

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

CDA includes off-site areas

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover
Post project	500				500
Pre project	500			500	

▼ BMP RETENTION AND TREATMENT ACHIEVED

Pre-project & post-project total area must be the same

# ADDING BMPs

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### GENERAL BMP INFORMATION

Plan Number 7366	BMP number 1	BMP ID number 7366-1-1
BMP X Coordinate 399448.70305	BMP Y Coordinate 137581.10074	Previous Inspection Installation Date
BMP Group * Green Roof	BMP type * Extensive green roof	BMP sub-type
BMP Name Green roof 1	RSH Tree Species	
Did DOE help pay for this BMP? No	RSH Tree Rebate Amount	

### CONTRIBUTING DRAINAGE AREA

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

CDA includes off-site areas

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover
Post project	500				500
Pre project	500			500	

### BMP RETENTION AND TREATMENT ACHIEVED

BMP storage volume (cubic feet) 60	Retention volume achieved (cubic feet) 60	Potential retention volume remaining (cubic feet) 7	Additional treatment volume (cubic feet) 0.00
Maximum volume received by BMP (cubic feet) 67			

# ADDING BMPs

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Add another Site Drainage Area to this Plan Site Drainage Area Information

- ▶ SITE DRAINAGE AREA INFORMATION
- ▶ MAJOR LAND DISTURBING ACTIVITY
- ▼ SWRv AND WQTV

	Cubic feet	Gallons
Site Drainage Area SWRv	475	3553

▼ BMPs

Add BMP to this Site Drainage Area Edit BMP ID Numbers

	Cubic feet	Gallons
Retention volume achieved by BMPs	60	449
Volume treated	0	0

Full Report | More ▾ 1 BMP

▼ BMP ID number	BMP Name	BMP Type and Subtype	Retention volume achieved (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?	Downstream BMP ID Numbers	Total Post project vehicular access area
7366-1-1	7366-1-1 Green roof 1	Extensive green roof	60	0.00	N/A		
TOT			60	0.00			0



# ADDING BMPs

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Once the BMP is added, you can review your Site Drainage Area or Plan information to see the total retention achieved and the progress toward meeting requirements.

**BMP LOCATION**

**GENERAL BMP INFORMATION**

Plan Number 7366	BMP number 2	BMP ID number 7366-1-2
BMP X Coordinate	BMP Y Coordinate	Previous Inspection Installation Date
BMP Group * Bioretention	<b>BMP type *</b> Engineered tree pits	BMP sub-type Enhanced
<b>BMP Name</b> Bioretention 1	RSH Tree Species	
Did DOEE help pay for this BMP? No	RSH Tree Rebate Amount	

**CONTRIBUTING DRAINAGE AREA**

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

CDA includes off-site areas

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover
Post project	2000			1500	500
Pre project	2000		-2000		

**BMP RETENTION AND TREATMENT ACHIEVED**

Enhanced practice with an underdrain

BMP storage volume (cubic feet)  
200

Maximum volume received by BMP (cubic feet) 269	<b>Retention volume achieved (cubic feet)</b> 200	Potential retention volume remaining (cubic feet) 69	Additional treatment volume (cubic feet) 0.00
--	--	---	--

**UNDERSIZED BMP:**  
When volume of stormwater received is greater than BMP's capacity

# ADDING BMPs

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Create another BMP in the same Site Drainage Area

BMP Information

> BMP LOCATION

> GENERAL BMP INFORMATION

Plan Number	Site Drainage Area ID	BMP number	BMP ID number
<u>7366</u>	<u>7366-1</u>	2	7366-1-2
BMP X Coordinate	BMP Y Coordinate	Previous Inspection	Installation Date
BMP Group	BMP type	BMP sub-type	
Bioretention	Engineered tree pits	Enhanced	
BMP Name	RSH Tree Species		
Bioretention 1			
Did DOEE help pay for this BMP?	RSH Tree Rebate Amount		
No			

# ADDING BMPs

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Add another Site Drainage Area to this Plan

Site Drainage Area Information

- > SITE DRAINAGE AREA INFORMATION
- > MAJOR LAND DISTURBING ACTIVITY
- > SWRv AND WQTV
- ▼ BMPs

Add BMP to this Site Drainage Area

Edit BMP ID Numbers

	Cubic feet	Gallons
Retention volume achieved by BMPs	260	1945
Volume treated	0	0

Full Report | More ▼ 2 BMPs

	▼ BMP ID number	BMP Name	BMP Type and Subtype	Retention volume achieved (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?	Downstream BMP ID Numbers	Total Post project vehicular access area
	7366-1-1	7366-1-1 Green roof 1	Extensive green roof	60	0.00	N/A		
	7366-1-2	7366-1-2 Bioretention 1	Engineered tree pits - Enhanced	200	0.00	N/A		
TOT				260	0.00			0



# ADDING BMPs

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[Add another Site Drainage Area to this Plan](#) [Site Drainage Area Information](#)

▶ SITE DRAINAGE AREA INFORMATION

▶ MAJOR LAND DISTURBING ACTIVITY

▼ SWRV AND WQTV

	Cubic feet	Gallons
Site Drainage Area SWRV	430	3216
Treatment requirement for vehicular access area	143	1066

▶ BMPs

▼ DRAINAGE AREA COMPLIANCE

	Cubic feet	Gallons
Retention volume remaining	35	262

50% of SWRV retained?  
 Yes  No

Is treatment required?  
 Yes  No

Note about SWRV  
 Off Site Retention may be needed.

Can generate SRCs from PROW?  
 Yes  No

Runoff from vehicular access areas sufficiently retained or treated?  
 Yes  No

**Minimum requirements for drainage area met?**  
 Yes  No

# ADDING BMPs

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BMP title	BMP storage volume (cubic feet)	Retention volume achieved (cubic feet)	Downstream BMP ID Numbers	Treatment Train	Most recent maintenance inspection
7366-1-1 Green roof 1 Extensive green roof	60	60			
7366-1-2 Bioretention 1 Engineered tree pits	200	200			
7366-2-1 Treatment Train Bioretention 1 Engineered tree pits	45	45	7366-2-2	TT - 7366-2-1	
7366-2-2 Treatment Train Bioretention 2 Engineered tree pits	350	350			
<b>TOT</b>	<b>655</b>	<b>655</b>			

**RETENTION AND TREATMENT REQUIREMENTS**

Site SWRv (cubic feet) 905    Site SWRv (gal) 6769

**RETENTION AND TREATMENT ACHIEVED**

Total on-site retention volume achieved by BMPs (cubic feet)	655	Total on-site retention volume achieved by BMPs (gal)	4899
Total retention volume remaining (cubic feet)	250	Total retention volume remaining (gal)	1870

SUMMARY OF OFFv & SRCs

At least 50% of SWRv for the Site Retained? **Offv**  
Yes 1870

DETENTION REQUIREMENTS

use default curve numbers

Additional detention provided

Natural Curve Number 70    Compacted Curve Number 74    Impervious Curve Number 98

Pre-development curve number 70    Pre-project curve number 87

2-year storm adjusted curve number 85    15-year storm adjusted curve number 87    100-year storm adjusted curve number 88

PROJECT DESCRIPTION





# Rainwater Harvesting



# RAINWATER HARVESTING

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- Add another Site Drainage Area to this Plan
- Site Drainage Area Information

### SITE DRAINAGE AREA INFORMATION

Plan	Site Drainage Area Number	Site Drainage Area ID
7366	3	7366-3
<input type="checkbox"/> Public Right of Way	Is Site Drainage Area in the AWDZ?	SWRv rain event (in)
Type of activity Site is undergoing	Non-AWDZ	0.8
Major Substantial Improvement	Is the Site Drainage Area in the CSS?	Site Drainage Area major drainage basin
Yes	Yes	Anacostia River
Does the Site Drainage Area drain directly, or through the MS4 directly to C&O canal, Tidal Anacostia, Potomac, Washington Ship Channel without first discharging to a tributary?	Does a portion of the SDA consist solely of cutting a trench for utility work?	Is there an area that consists solely of a real or synthetic athletic field, or a permeable track or play area?
Yes		

### MAJOR SUBSTANTIAL IMPROVEMENT ACTIVITY

For the structure that is being renovated, what is the portion of the footprint of the structure that is within this SDA? (square feet)

100

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	5000			5000	
Pre project	5000			5000	

### SWRv AND WQTV

	Cubic feet	Gallons
Site Drainage Area SWRv	317	2369

### BMPs

Add BMP to this Site Drainage Area

# RAINWATER HARVESTING

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Once the BMP is added, you can review your Site Drainage Area or Plan information to see the total retention achieved and the progress toward meeting requirements.

**BMP LOCATION**

**GENERAL BMP INFORMATION**

Plan Number 7366	BMP number 1	BMP ID number 7366-3-1
BMP X Coordinate 6778511.0801	BMP Y Coordinate -289221.88210	Previous Inspection Installation Date
<b>BMP Group *</b> Rainwater Harvesting	<b>BMP type *</b> Rainwater harvesting	BMP sub-type
BMP Name	RSH Tree Species	
Did DOE help pay for this BMP? No	RSH Tree Rebate Amount	

**CONTRIBUTING DRAINAGE AREA**

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

CDA includes off-site areas

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover
Post project	5000			5000	
Pre project	5000			5000	

**BMP RETENTION AND TREATMENT ACHIEVED**

**Rainwater Harvesting Calculator**

BMP storage volume (cubic feet)	Size of Rainwater Harvesting Practice (cubic feet)	Potential retention volume remaining (cubic feet)	Additional treatment volume (cubic feet)
		673	0.00
Maximum volume received by BMP (cubic feet)	Retention volume achieved (cubic feet)		
673	0		

How is stormwater used?

Irrigation  Flushing toilets/urinals  Laundry

Cooling towers  Other uses

Use rainwater harvesting calculator to determine retention volume

# RAINWATER HARVESTING

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AutoSave Off 2013 Rainwater Harvesting Retention Calculator (updated 4-22-2015).xlsx - Protected View Search Jacob, Lukin (DOEE)

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**DISTRICT OF COLUMBIA -- RAINWATER HARVESTING STORAGE VOLUME CALCULATOR v2, April 2015**

Input												
STORM EVENT												
Storm Event (inches)												1.7
CONTRIBUTING DRAINAGE AREA (CDA)												
How big is the impervious CDA (SF)?												
IRRIGATION												
How big is the area to irrigate? (SF)												
Does the irrigation system have smart controls (e.g. soil moisture sensor shutoff)? If no, leave unchecked.												<input checked="" type="checkbox"/> Yes
Enter the average weekly irrigation application rate in inches/week for each month throughout the year (inches/week)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INDOOR DEMAND - FLUSHING TOILETS/URINALS												
<b>Water closet and urinal use (if only toilets are used, set urinals = 0)</b>												
How many people will use the building? (# people)												
How much water will each urinal use? (gallons/flush) Set to 0, if no urinal.												0.80
How much water will each toilet use? (gallons/flush)												1.60
Calculated daily water closet and urinal demand. (gallons/day)												0
Use this cell if value has already been calculated, instead of the rows above.												
Select the first day of the week this water will typically be used (e.g. Monday).												
Select the last day of the week this water will typically be used (e.g. Friday).												
Hours per day the building is used (e.g. 8 for a 9-5 office building; 24 for a shift-work factory).												
Total daily water closet and urinal demand (gallons/day).												0.0

**Color Code**

- Title/New Category
- Required Entry value
- Alternate Category Entry (if selected, do not enter value into "Required Entry value")
- Final Category Value



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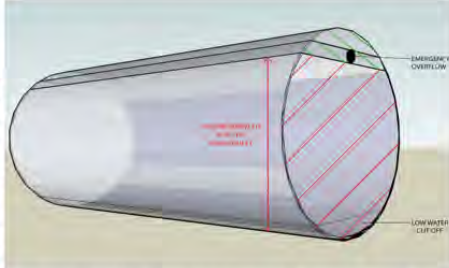
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T27

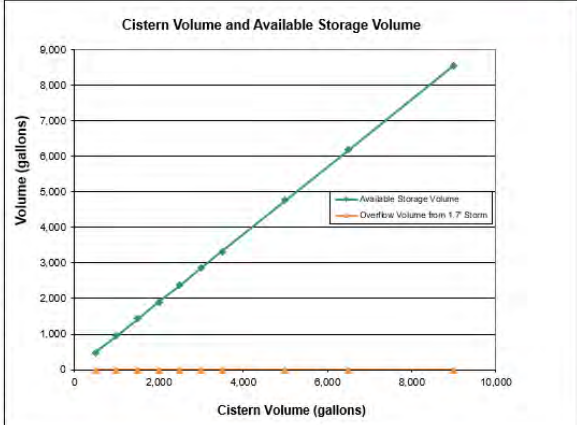
**Storage Volume Summary: Results for a P" Storm, where P" = 1.7"**

Cistern Volume (gallons)	Average Volume in Cistern (1977-2007)	Overflow Volume caused by 1.7" Storm (gallons)	Available Storage Volume (gallons)	Available Storage Volume (Sv) (cubic feet)
500	25	0	475	64
1,000	50	0	950	127
1,500	75	0	1,425	191
2,000	100	0	1,900	254
2,500	125	0	2,375	318
3,000	150	0	2,850	381
3,500	175	0	3,325	445
5,000	250	0	4,750	635
6,500	325	0	6,175	826
9,000	450	0	8,550	1143



EMERGENCY OVERFLOW  
LOW WATER CUTOFF

Note: Cistern Volume does not include detention for larger storm events. Detention volume that will be drawn down after each storm event should be modeled separate



**Cistern Volume and Available Storage Volume**

Volume (gallons)

Cistern Volume (gallons)

Available Storage Volume  
Overflow Volume from 1.7" Storm

Instructions Input **Storage Volume Results**

Ready Display Settings 80%



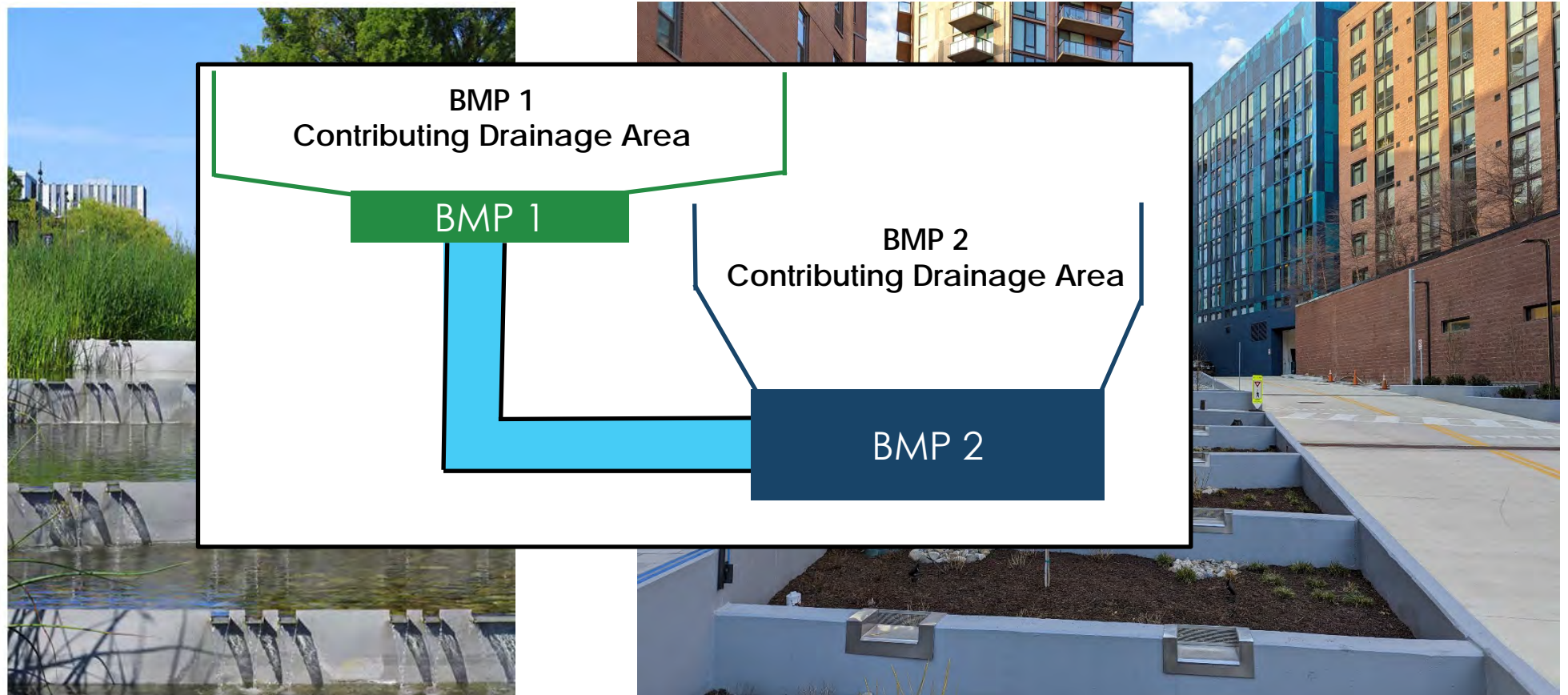


# Treatment Trains



# TREATMENT TRAINS

**Treatment train:** Sequence or chain of BMPs where one overflows into the next



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# TREATMENT TRAINS

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1. Enter information for the first BMP
2. Enter information for the downstream BMP
3. Create a connection between these two BMPs
4. Update this connection as necessary

**DO NOT** double-count CDA or storage volume

# TREATMENT TRAINS

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BMP LOCATION  
 GENERAL BMP INFORMATION

Plan Number: 7366  
 BMP number: 1  
 BMP ID number: 7366-2-1

BMP X Coordinate:   
 BMP Y Coordinate:

BMP Group: Bioretention  
 BMP type: Engineered tree pits  
 BMP sub-type: Enhanced

BMP Name: Treatment Train Bioretention 1  
 RSH Tree Species:   
 RSH Tree Rebate Amount:

CONTRIBUTING DRAINAGE AREA

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

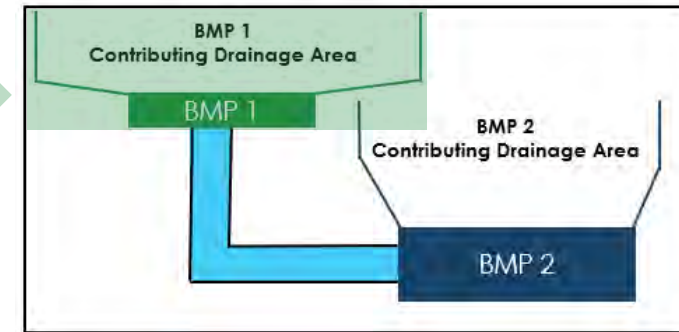
CDA includes off-site areas

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover	Vehicular access area
Post project	2000	<input type="text"/>	<input type="text"/>	1000	1000	1000
Pre project	2000	<input type="text"/>	<input type="text"/>	2000	<input type="text"/>	<input type="text"/>

BMP RETENTION AND TREATMENT ACHIEVED

Enhanced practice with an underdrain  
 BMP storage volume (cubic feet): 45

Maximum volume received by BMP (cubic feet)	Retention volume achieved (cubic feet)	Potential retention volume remaining (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?
269	45	224	0.00	No



# TREATMENT TRAINS

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Create another BMP in the same Site Drainage Area

BMP Information

BMP LOCATION

GENERAL BMP INFORMATION

Plan Number	Site Drainage Area ID	BMP number	BMP ID number
7366	7366-2	1	7366-2-1
BMP X Coordinate	BMP Y Coordinate	Previous Inspection	Installation Date
BMP Group	BMP type	BMP sub-type	
Bioretention	Engineered tree pits	Enhanced	
BMP Name	RSH Tree Species		
Treatment Train Bioretention 1			
Did DOEE help pay for this BMP?	RSH Tree Rebate Amount		
No			

CONTRIBUTING DRAINAGE AREA

BMP RETENTION AND TREATMENT ACHIEVED

DOWNSTREAM BMP

If this BMP is part of a treatment train, select the downstream BMP. You can click the button below to add a new BMP to the dropdown menu.

Note: Some information is copied from one BMP to another. When storage, retention, and treatment information changes, it may be necessary to 'Refresh' some BMPs. When this is necessary, a refresh button will appear at the top of the BMP form.

Downstream BMP ID number

Add downstream BMP



# TREATMENT TRAINS

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Once the BMP is added, you can review your Site Drainage Area or Plan information to see the total retention achieved and the progress toward meeting requirements.

**GENERAL BMP INFORMATION**

Plan Number 7366	BMP number 2	BMP ID number 7366-2-2
BMP X Coordinate 9775211.9891	BMP Y Coordinate -289221.8821	Previous Inspection - Installation Date
BMP Group * Bioretention	BMP type * Engineered tree pits	BMP sub-type Enhanced
BMP Name Treatment Train Bioretention 2	RSH Tree Species	
Did DOE help pay for this BMP? No	RSH Tree Rebate Amount	

**CONTRIBUTING DRAINAGE AREA**

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

CDA includes off-site areas

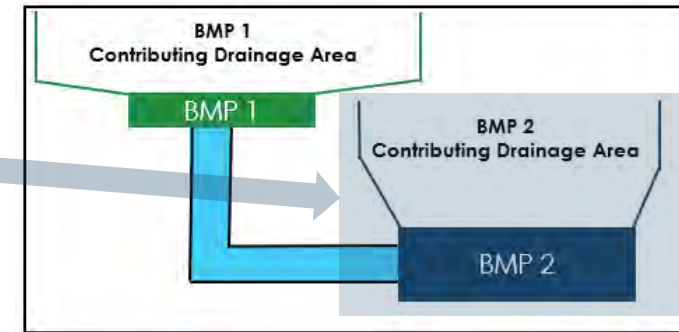
	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover	Vehicular access area
Post project	3000			2000	1000	2000
Pre project	3000			3000		

**BMP RETENTION AND TREATMENT ACHIEVED**

Enhanced practice with an underdrain

BMP storage volume (cubic feet)  
350

Maximum volume received by BMP (cubic feet) 404	Retention volume achieved (cubic feet) 350	Potential retention volume remaining (cubic feet) 54	Additional treatment volume (cubic feet) 0.00	Vehicular access volume addressed? Yes
--	---	---	--	---



**DO NOT double count CDA or storage volume from BMP 1**

# TREATMENT TRAINS

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Refresh

Create another BMP in the same Site Drainage Area BMP Information

> BMP LOCATION

> GENERAL BMP INFORMATION

> CONTRIBUTING DRAINAGE AREA

▼ BMP RETENTION AND TREATMENT ACHIEVED

Enhanced practice with an underdrain

🔹 BMP storage volume (cubic feet)

45

🔹 Maximum volume received by BMP (cubic feet)	🔹 Retention volume achieved (cubic feet)	🔹 Potential retention volume remaining (cubic feet)	🔹 Additional treatment volume (cubic feet)	🔹 Vehicular access volume addressed?
269	45	224	0.00	No

▼ DOWNSTREAM BMP

If this BMP is part of a treatment train, select the downstream BMP. You can click the button below to add a new BMP to the dropdown menu.

Note: Some information is copied from one BMP to another. When storage, retention, and treatment information changes, it may be necessary to "Refresh" some BMPs. When this is necessary, a refresh button will appear at the top of the BMP form.

Downstream BMP ID number

7366-2-2

Add downstream BMP There is no longer a downstream BMP

# TREATMENT TRAINS

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  - Adding BMPs
  - Rainwater Harvesting
  - Treatment Trains**
  - Additional Steps
    - Construction Info
    - Landscape Engineer Info
    - Uploading Docs
- PLAN SUBMISSION
  - Owners, Agents, Staff
  - Errors & compliance
  - Plan Submission
  - Fee Payment
  - Approval Process
- SPECIAL EXEMPTIONS
- PUBLIC RIGHT OF WAY
- UNREGULATED PLANS
- OFF-SITE CDAs
- ESC & GAR



Surface and Groundwater System - ESC, SWM, GAR & FPM

SGS Home ESC, SWM, GAR & FPM Home Program Directory + Support + Instructions + Resources +

Homepage Back Refresh Edit

Public User Home Page >> ESC, SWM, GAR and FPM >> Sites and Plans >> Record View

Create another BMP in the same Site Drainage Area BMP Information

> BMP LOCATION

> GENERAL BMP INFORMATION

Plan Number	Site Drainage Area ID	BMP number	BMP ID number
7366	7366-2	2	7366-2-2
BMP X Coordinate	BMP Y Coordinate	Previous Inspection	Installation Date
9775211.9891566	-289221.88210549		
BMP Group	BMP type	BMP sub-type	
Bioretention	Engineered tree pits	Enhanced	
BMP Name	RSH Tree Species		
Treatment Train Bioretention 2			
Did DOEE help pay for this BMP?	RSH Tree Rebate Amount		
No			

> CONTRIBUTING DRAINAGE AREA

> BMP RETENTION AND TREATMENT ACHIEVED

Enhanced practice with an underdrain

BMP storage volume (cubic feet)	Maximum volume received by BMP (cubic feet)	Retention volume achieved (cubic feet)	Potential retention volume remaining (cubic feet)	Additional treatment volume (cubic feet)	Vehicle access volume addressed?
350	404	350	54	0.00	Yes



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Refresh

Create another BMP in the same Site Drainage Area

BMP Information

- > BMP LOCATION
- > GENERAL BMP INFORMATION
- > CONTRIBUTING DRAINAGE AREA
- > BMP RETENTION AND TREATMENT ACHIEVED
- > DOWNSTREAM BMP

It may be necessary to periodically "refresh" a BMP in a treatment train if an upstream or downstream BMP changes

# TREATMENT TRAINS

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 [ESC, SWM, GAR & FPM Home](#) | 
 [Program Directory +](#) | 
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 [Refresh](#) | 
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[Add another Site Drainage Area to this Plan](#) | 
 [Site Drainage Area Information](#)

- > SITE DRAINAGE AREA INFORMATION
- > MAJOR LAND DISTURBING ACTIVITY
- > SWRv AND WQTV

	Cubic feet	Gallons
Site Drainage Area SWRv	430	3216
Treatment requirement for vehicular access area	143	1066

> BMPs

[Add BMP to this Site Drainage Area](#) | 
 [Edit BMP ID Numbers](#)

	Cubic feet	Gallons
Retention volume achieved by BMPs	395	2955
Volume treated	0	0

Full Report | More ▾ 2 BMPs

BMP ID number	BMP Name	BMP Type and Subtype	Retention volume achieved (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?	Downstream BMP ID Numbers	Total Post project vehicular access area
7366-2-1	7366-2-1 Treatment Train Bioretention 1	Engineered tree pits - Enhanced	45	0.00	No	7366-2-2	1000
7366-2-2	7366-2-2 Treatment Train Bioretention 2	Engineered tree pits - Enhanced	350	0.00	Yes		2000
TOT			395	0.00			3000





# Stormwater Management Plans - Additional Steps



# ADDITIONAL STEPS

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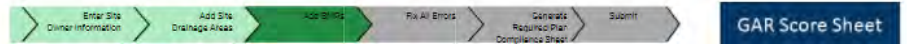


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- > PLAN TYPE AND EXEMPTIONS
- > APR/Velocity
- > SITE AND LOCATION
- > LAND COVER AND SITE DRAINAGE AREAS
- > BMPs
- > RETENTION AND TREATMENT REQUIREMENTS
- > RETENTION AND TREATMENT ACHIEVED
- > SUMMARY OF OFFv & SRCs
- > DETENTION REQUIREMENTS
- > PROJECT DESCRIPTION
- CONSTRUCTION INFORMATION
- > GREEN AREA RATIO
- > CLE Information
- > PLAN DOCUMENTS
- > OFFv COMPLIANCE
- > APPLICATIONS TO USE SRCs
- > NOTIFICATIONS OF ILF PAYMENT

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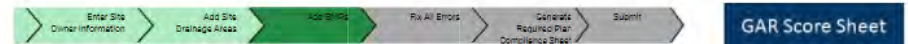


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- DETENTION REQUIREMENTS
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- CONSTRUCTION INFORMATION
  - Edit construction information**
  - Engineering company
  - Project engineer Project engineer email
  - Project engineer phone Project engineer fax
  - Add permit number
  - Permit number Permit Type
  - No permits found
- GREEN AREA RATIO
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# ADDITIONAL STEPS – CONSTRUCTION INFORMATION

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Construction ▶ Edit 7366

## ▼ SITE AND PLAN INFORMATION

Primary Street Address   Plan number   File number  
12345 Test Street NE   [7366](#)

Property Class   Ward   Sewershed  
Commercial   5   MS4

Inspector Name   Inspector Badge number

Type of activity  
Major Land Disturbing

Date	Status	Date Approved	Notes
------	--------	---------------	-------

No plan statuses found

## ▼ CONSTRUCTION INFORMATION

Engineering company

Project engineer   Project engineer email  
  

Project engineer phone   Project engineer fax  
 ext.     ext.

Contractor   Contractor phone  
    ext.

Maintenance Responsibility Name   Maintenance Responsibility Phone  
  

Maintenance Responsibility Email

[Add permit number](#)

Permit number	Permit Type
---------------	-------------

No permits found

DDOT Public space Permit

[Save & close](#)   [Cancel](#)



# ADDITIONAL STEPS – CLE INFORMATION

Welcome, Lukin +



Surface and Groundwater System - ESC, SWM, GAR & FPM

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- Instructions +**
- Resources +

- Public Use
- Complete Instruction Manual
- Electronic Approval Stamps
- SGS Frequently Asked Questions**
- Agents & staff instructions
- GAR Landscape Checklist**
- Obtain Covenant Approval
- Permitting Instructions for small projects
- RiverSmart Rewards
- Self-Inspection Self-Reporting

**Erosion, Stormwater Management, and Area Ratio**

**Wells and Soil Borings**

**Wetlands and Streams**

**Pay Fees**

Enter and access Wells and Soil Borings permit applications. Enter Driller company and individual driller information.

Stormwater Management permit applications. Participate in the Stormwater Retention Credit (SRC) trading, RiverSmart Rewards and Self Inspection Self-Reporting (SISR) programs.

Enter and access Wetland and Stream Permit applications or Water Quality Certifications.

Search for fee assessments based on your fee ID or plan number and make a payment online.

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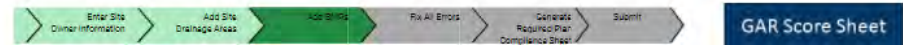


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## ▼ CLE Information

Add/edit CLE Information

Landscape expert name (design)	CLE Name (Construction)
Landscape expert email (Design)	CLE Email (Construction)
CLE Phone (Design)	CLE Phone (Construction)
CLE Company Name (Design)	CLE Company Name (Construction)
CLE Address line 1 (Design)	CLE Address (Construction)
CLE City (Design)	CLE City (Construction)
CLE State (Design)	CLE State (Construction)
CLE Zip (Design)	CLE Zip (Construction)
CLE License type (Design)	CLE License type (Construction)
CLE Certification # (Design)	CLE Certification # (Construction)

# ADDITIONAL STEPS – CLE INFORMATION

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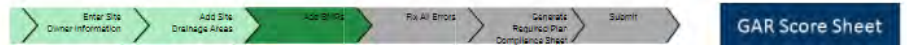


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## ▼ CLE Information

Construction CLE is different from the design CLE? (do not select if unknown)

Landscape expert name (Design)

CLE Name (Construction)

Landscape expert email (Design)

CLE Email (Construction)

CLE Phone (Design)

 ext. 

CLE Phone (Construction)

CLE Company Name (Design)

CLE Company Name (Construction)

CLE Address line 1 (Design)

CLE Address (Construction)

CLE City (Design)

CLE City (Construction)

CLE State (Design)

CLE State (Construction)

CLE Zip (Design)

CLE Zip (Construction)

CLE License type (Design)

CLE License type (Construction)

CLE Certification # (Design)

CLE Certification # (Construction)

This email needs to exactly match the CLE's email on their account, or there will be issues with signing the GAR checklist



# ADDITIONAL STEPS – UPLOADING DOCUMENTS

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- RETENTION AND TREATMENT ACHIEVED
- SUMMARY OF OFFv & SRCs
- DETENTION REQUIREMENTS
- PROJECT DESCRIPTION
- CONSTRUCTION INFORMATION
- GREEN AREA RATIO
- CLE Information
- PLAN DOCUMENTS

Add Document

File	Type of Document	Page of covenant with technical and legal sufficiency signatures	Plan Type	Comment	Date Modified	DOEE access only	Legal sufficiency	Technical sufficiency
------	------------------	--	-----------	---------	---------------	------------------	-------------------	-----------------------

No documents found

- OFFv COMPLIANCE
- APPLICATIONS TO USE SRCs
- NOTIFICATIONS OF ILF PAYMENT

# ADDITIONAL STEPS – UPLOADING DOCUMENTS

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## Plan Documents > Add Document

Main

Plan number  
[7366](#)

Select the program(s)/requirement(s) that this document supports:

Stormwater Management  Soil Erosion and Sediment Control  Green Area Ratio  Floodplain

Attachment

No file chosen

Type of Document \*

Comment





**Submitting a Stormwater Management Plan**



# SUBMITTAL STEPS

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1. Request to be an Agent for the Site Owner
2. Correct all Plan Errors
3. Generate the Required Plan Compliance Sheet
4. Submit the Plan

## Note: Before you start....

Confirm that the Site Owner has created an SGS account and you have the correct email address linked to this account

# OWNERS, AGENTS, AND STAFF

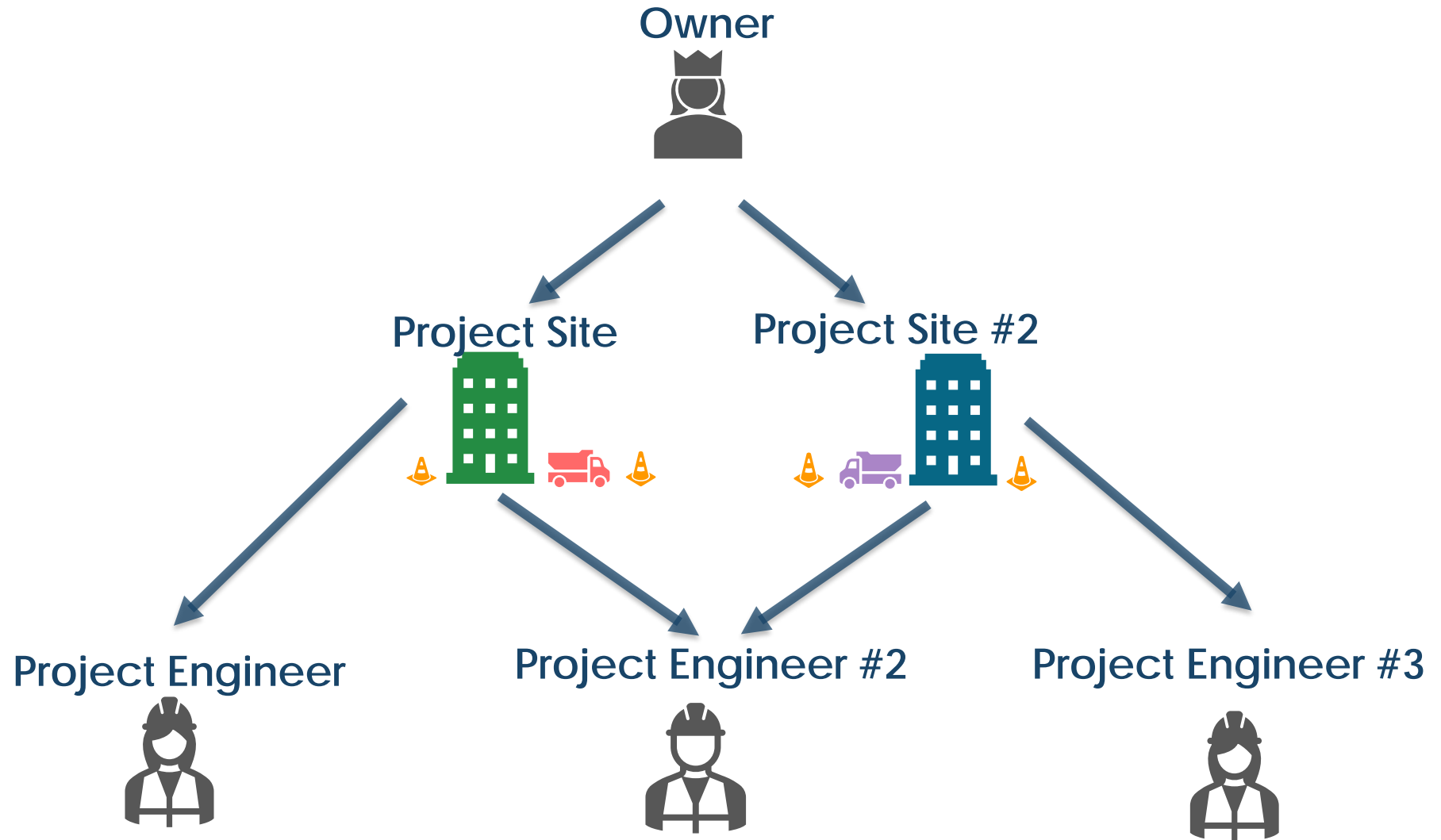
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You can access sites and plans in the SGS if you...

- Are the site owner
- Entered the site into the SGS
- Are given access as an agent or staff

# OWNERS, AGENTS, AND STAFF

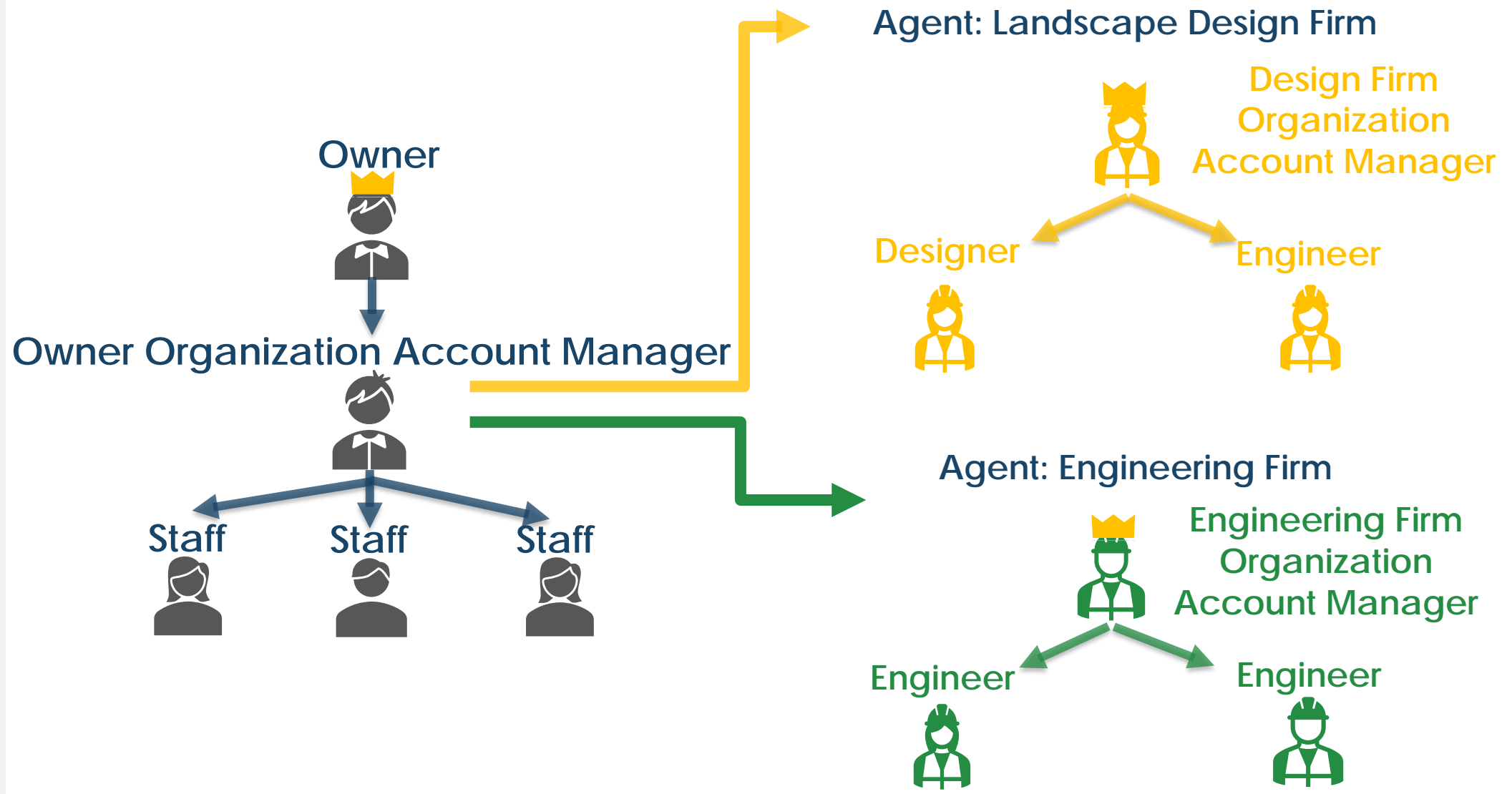
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# OWNERS, AGENTS, AND STAFF

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## Agents

- Generally inter-agency
- Can give site-specific access
- Can give SRC-related permissions

## Staff

- Generally intra-agency
- All staff have the same access to all sites and plans as the organization account manager
- No SRC-related permissions

# OWNERS, AGENTS, AND STAFF

Welcome, Lukin +



Surface and Groundwater System - ESC, SWM, GAR & FPM

- SGS Home
- Program Directory +
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- Resources +

- Public Use
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- Electronic Approval Stamps
- SGS Frequently Asked Questions
- Agents & staff instructions**
- GAR Landscape Checklist
- Obtain Covenant Approval
- Permitting instructions for small projects
- RiverSmart Rewards
- Self-Inspection Self-Reporting

**Erosion, Stormwater Management, and Area Ratio**

**Wells and Soil Borings**

Enter and access Wells and Soil Borings permit applications. Enter Driller company and individual driller information.

**Wetlands and Streams**

Enter and access Wetland and Stream Permit applications or Water Quality Certifications.

**Pay Fees**

Search for fee assessments based on your fee ID or plan number and make a payment online.

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# OWNERS, AGENTS, AND STAFF – CREATING RELATIONSHIPS

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## Surface and Groundwater System

Program Directory +

Support +

Instructions +

Resources +

[Sys Admin Homepage](#) >> [Public User Home Page](#)

### Erosion, Stormwater, Green Area Ratio and Floodplain

Enter and access Erosion and Sediment Control (ESC), Stormwater Management (SWM), Green Area Ratio (GAR) and Floodplain Management (FPM) permit applications and inspections. Participate in the Stormwater Retention Credit (SRC) trading, RiverSmart Rewards and Self Inspection Self Reporting (SISR) programs.

### Wells and Soil Borings

Enter and access Wells and Soil Borings permit applications. Enter Driller company and individual driller information.

### Wetlands and Streams

Enter and access Wetland and Stream Permit applications or Water Quality Certifications.

### Pay Fees

Search for fee assessments based on your fee ID or plan number and make a payment online.

# OWNERS, AGENTS, AND STAFF – CREATING RELATIONSHIPS

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<b>Sites and Plans</b> Construction permit information for DOEE plan review for Soil Erosion and Sediment Control, Green Area Ratio, Stormwater Management and Floodplain	<b>BMPs</b> View your BMPs	<b>Agents and Staff</b> Give someone permission to access your projects or request permission to access someone else's projects	<b>SRC and Offv Registry</b> View SRCs for sale, final prices of trades, current off-site retention (Offv) obligations and expected Offv and SRCs
<b>My SRCs and Offv</b> Participate in Stormwater Retention Credit (SRC) trading and/or meet an Off-Site Retention Volume (Offv) obligation.	<b>RiverSmart Rewards</b> Apply for RiverSmart Rewards and receive discounts on your DC Water bill.	<b>Self-Inspection / Self-Reporting</b> Submit inspection and maintenance reports for post-construction stormwater best management practices.	<b>Pay Fees</b> Search for fee assessments based on your plan number and make a payment online. You can also pay fees for your projects by clicking the link in your list of "pending actions," below, if applicable.

# OWNERS, AGENTS, AND STAFF – CREATING RELATIONSHIPS

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## ● These people are my agents ( 0 record )

Column Filter(s) ( 0 Set )

\* If confirmed, you may grant these people access to your projects. You can choose which project(s) each person can access.

## ● I am an agent for the following people ( 0 record )

Column Filter(s) ( 0 Set )

\* If confirmed, you have permission to access project information for these people.

## ● My organization's staff ( 0 record )

Column Filter(s) ( 0 Set )

<b>Add an Agent</b> Give someone permission to enter information into the Stormwater Database on your behalf	<b>I am an Agent for Someone</b> Request to enter information for someone else's sites	<b>You cannot use this function at this time. Submit a help request (in the support menu) for assistance.</b> Create a list of your organization's staff. When these individuals log into their own Stormwater Database accounts, they will have permission to view the same sites that you can view through your own account.
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# OWNERS, AGENTS, AND STAFF – CREATING RELATIONSHIPS

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Who are you an agent for? Enter this person's contact information below. A notification will be sent to the email address you list to prompt them to confirm this relationship.

Name  Email \*  Phone  ext.

Principal's role  Agent's role

Request access to a specific site

If the principal does not approve this request within 30 days, it will expire. If that occurs, you may submit a new request.

# OWNERS, AGENTS, AND STAFF – CONFIRMING A REQUEST

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## My Pending Actions ( 4 records )

Column Filter(s) ( 0 Set )

Action	Required?	Description	Take this action
Sign Off/ statement	Required for permit approval	To receive approval of a Stormwater Management Plan with an Off-Site Retention Volume (Offv), you must commit to comply with the Offv requirement	Take this action
Approve agent requests	Required to allow agent to access projects on your behalf	Someone has requested to access information about your sites/projects. If this person is authorized, you may confirm them as an agent to act on your behalf	Take this action
Pay plan review fee(s)	Required for permit approval	DOEE has made a fee assessment for plan review. Click "take this action" to be directed to a page where you can make your payment online. Fees can also be paid in person at the Permit Center (1100 4th Street SW), if paying in person, you can pick up an invoice from the DOEE desk in the Permit Center.	Take this action
Submit plan for review	Required for permit approval	You have an entry in the Surface and Groundwater system that is not yet submitted for review. Click "Take this action" to view a list	Take this action

# OWNERS, AGENTS, AND STAFF – CONFIRMING A REQUEST

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Select which account has an agent

Agent name:  Agent email:  Agent phone:

Principal's role:  Agent's role:

**CONTROL AGENT'S ACCESS**

Agent has permission to view, modify, and submit project information for all my sites

Agent has permission to view, modify, and submit project information for only this site

My agent can access all projects at this site

Agent has permission to apply to use SRCs or submit an ILF notification to meet my OffV requirement(s)

Agent has permission to apply to certify or retire SRCs

Agent can sell SRCs on my behalf and modify my information in the SRC Registry

**Approve**



# OWNERS, AGENTS, AND STAFF – CONFIRMING A REQUEST

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**Record not saved**

Do not allow save is equal to true

You have not selected any type of access to grant to your agent. Use the options in the "Control Agent's Access" section of the form to grant your agent access to view or modify information on your behalf.

OK

# OWNERS, AGENTS, AND STAFF – CONFIRMING A REQUEST

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Are you the owner or manager for 12345 Test Street NE?

If sending a request to the person who should be listed as the owner, they will need to click this button. This will confirm the request and list them as the site owner.

# OWNERS, AGENTS, AND STAFF – CONFIRMIGN A REQUEST

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**SITE INFORMATION**

Soil Erosion and Sediment Control and/or GAR only

Address Format

Address

Input address (or place name)

12345 Test St NE

Address number	Street name	Street type	Quadrant
12345	Test	Street	NE

**SITE OWNER**

The site owner listed below should be the person who owns the site or who will be responsible for long-term management of the site. Typically, the project engineer should not be listed here.

Site Owner/Manager	Site Owner/Manager
Jane Roe	Jane Roe

**PLANS AFFILIATED WITH THIS SITE**

Before entering a new plan, please review the below list to ensure that you do not create a duplicate record. Duplicate entries will delay DOEE's review process. If the project has already been entered, open the record to revise it, submit it for review, and/or attach supplemental documents.

Enter a new plan at this site

Full Report | More ▾ 1 Plan

Plan number	DCRA Building permit number(s)	Stage in Plan Review Process	Constructi on complete	Is the plan a Stormwater Management Plan?	Is the plan a Soil Erosion and Sediment Control Plan?	Is the plan a Green Area Ratio plan?	Reviewer Name	GAR Reviewer Name	Inspector Name	SRC eligibility	Offv from approved plan
7366		00. Not Yet	<input type="checkbox"/>	Yes	Yes	Yes					0





# Identifying Errors



# IDENTIFY ERRORS

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Submit Identify Errors Required Plan Compliance Sheet

### PLAN TYPE AND EXEMPTIONS

- Masterplan
- Transition period vesting date
  - 07-15-2015 or later
- Is the plan a Stormwater Management Plan?  Is the plan a Soil Erosion and Sediment Control Plan?  Is the plan a Green Area Ratio plan?
  - Yes Yes Yes
- Roadway Reconstruction or Similar Project
- Version of Stormwater Management Guidebook used for BMP Design Specifications
  - 2020
- SWMP number: 7366
  - What type of activity is Site undergoing? Major Land Disturbing
  - Is Site an 'AWDZ site?' Non-AWDZ
- Are there any special or heritage trees?
- Does the plan have an EISF Requirement?
- Will a certificate of occupancy be required on project completion?
- Request exceptions
  - Relief from extraordinarily difficult site conditions
  - Exception to 25-foot buffer
  - Practicable Process for Single- and two-family affordable housing
  - Practicable process for structures at public parks and trails for non-motorized vehicles
  - Is the entire site exempt from detention requirements for the 2-year storm
- No

# IDENTIFY ERRORS

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## Submittal Errors

This report displays system errors or missing information that must be updated by the applicant.

Error	Instructions	When should error be addressed	Fix the error
One or more site drainage areas do not meet minimum requirements	SDAs that do not drain to the combined sewer system (CSS) have minimum retention and/or treatment requirements. Each SDA must achieve retention or treatment of 50% of the SWRv and 50% of the SWRv from the entire vehicular access area (VAA) for each SDA. At least one SDA does not meet this requirement.	SWMP Submittal	<b>Fix the error</b>
One or more BMPs are missing X and Y coordinates	All BMPs must have X and Y coordinates. Click 'Fix the error' to identify BMPs without coordinates.	SWMP Submittal	Fix the error
One or more BMPs in a treatment train need to be 'refreshed' to ensure accurate retention and treatment volumes	Some information in a treatment train is copied from one BMP to another. It may sometimes be necessary to 'refresh' some BMPs to ensure that information is accurate. Click 'Fix the error' to display a list of BMPs that need to be refreshed.	SWMP Submittal	Fix the error



## Approval Errors

You must address the below errors before the plan may be APPROVED. These are not required for plan submittal.

Error	Instructions	When should error be addressed	Fix the error
There is no building permit number	While you do not need to enter the building permit number into the Stormwater Database in order to submit the plan for initial review, you must still file the building permit application in order for DOEE to begin review. Then, you may enter the building permit number into the Stormwater Database prior to plan approval. Click 'Fix the error' to enter the building permit number.	SWMP Approval	Fix the error
The plan requires a signed Offv Statement	Do not complete this step until notified to do so by the plan reviewer. The person responsible for achieving Offv must log in to the Stormwater Database to sign the Offv Statement. Persons responsible for achieving Offv must have their own Stormwater Database accounts. If the person responsible for achieving Offv has already signed the Offv Statement and the Offv for the plan has changed, a new statement is required.	SWMP Approval	
The person responsible for maintenance must sign the maintenance responsibility stamp	Do not complete this step until notified to do so by the plan reviewer. Prior to plan approval, the person responsible for maintenance must log in to the Stormwater Database and sign the maintenance responsibility stamp. This stamp must be incorporated on the plan set via the Required Plan Compliance Sheet. If the compliance data changes, a new maintenance responsibility stamp is required.	SWMP Approval	
Please enter the estimated	DOEE requires this information to anticipate future BRC availability and Offv obligations.	SWMP Approval	



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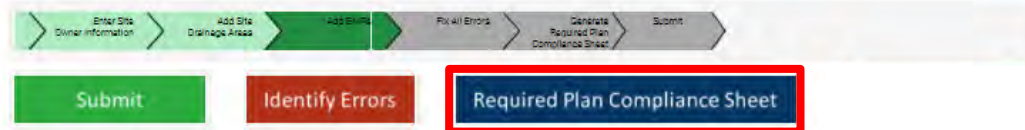


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### PLAN TYPE AND EXEMPTIONS

Masterplan

Transition period vesting date  
07-15-2015 or later

Is the plan a Stormwater Management Plan?     Is the plan a Soil Erosion and Sediment Control Plan?     Is the plan a Green Area Ratio plan?  
Yes    Yes    Yes

Roadway Reconstruction or Similar Project

Version of Stormwater Management Guidebook used for BMP Design Specifications  
2020

SWMP number: 7366     What type of activity is Site undergoing? Major Land Disturbing     Is Site an "AWDZ site?" Non-AWDZ

Are there any special or heritage trees?

Does the plan have an EISF Requirement

Will a certificate of occupancy be required on project completion?

Request exceptions

Relief from extraordinarily difficult site conditions     Exception to 25-foot buffer

Practicable Process for Single- and two-family affordable housing

Practicable process for structures at public parks and trails for non-motorized vehicles

Is the entire site exempt from detention requirements for the 2-year storm

No

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### Stormwater Management Plan Compliance Data

Site Address	12345 Test Street NE	Plan number	7366
Stormwater Management Plan?	Yes	Green Area Ratio?	Yes
Soil Erosion and Sediment Control?	Yes	Floodplain Review?	No
Type of Activity	Major Land Disturbing	AWDZ?	Non-AWDZ
Is the entire site in the CSS?	No		

	Total Area (sf)	Site Area	PROW		<b>Curve Numbers</b>		
Natural	0	0			<input type="checkbox"/> Additional Detention Provided		
Compacted	2,000	2,000		Pre-development	70	2-year storm adjusted CN	85
Impervious	7,000	7,000		Pre-project	87	15-year storm adjusted CN	87
BMP	2,000	2,000				100-year storm adjusted CN	88
<b>Total</b>	<b>11,000</b>	<b>11,000</b>					

<u>Requirements Summary</u> (total is the sum of PROW and Parcel)	PROW (ft <sup>3</sup> )	Parcel (ft <sup>3</sup> )	Total (ft <sup>3</sup> )	Total (Gallons)
SWRv		905	905	6,769
WQTV		0	0	0
On-site retention achieved		655	655	4,899
On-site treatment achieved		0	0	0
% of SWRv met on-site		72%	72.38%	72.38%
SRC eligibility				0
Offv				1,870

Compliance data last updated: 02-25-2022 10:57 AM  
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Site Drainage Area Compliance Data															
Site Drainage Area ID	Public Right of Way	Total area (square feet)	Natural (square feet)	Compacted (square feet)	Impervious (square feet)	BMP (square feet)	Vehicular access area	SWRv (cubic feet)	WQTV (cubic feet)	Volume retained (cubic feet)	Volume treated (cubic feet)	2-year storm adjusted Curve Number	15-year storm adjusted Curve Number	100-year storm adjusted Curve Number	SDA Minimum Compliance
7366-2	<input type="checkbox"/>	6,000	0	2,000	3,000	1,000	3,000	430	0	395	0	80	82	83	No
7366-1	<input type="checkbox"/>	5,000	0	0	4,000	1,000	0	475	0	260	0	92	92	93	Yes

Site BMP Compliance Data															

Compliance data last updated: 02-25-2022 10:57 AM  
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BMP ID number	Type	Total CDA (square feet)	Natural (square feet)	Compacted (square feet)	Impervious (square feet)	BMP (square feet)	Total Post project vehicular access area	Volume received from upstream BMPs (cubic feet)	Max volume received by BMP (cubic feet)	Storage volume (cubic feet)	Retention calculation	Volume retained (cubic feet)	Volume treated (cubic feet)	Downstream BMP ID Numbers
7366-1-1	Extensive green roof	500				500		0	67	60	100% of storage volume	60	0	
7366-1-2	Engineered tree pits - Enhanced	2,000			1,500	500		0	269	200	100% of storage volume	200	0	
7366-2-1	Engineered tree pits - Enhanced	2,000			1,000	1,000	1,000	0	269	45	100% of storage volume	45	0	7366-2-2
7366-2-2	Engineered tree pits - Enhanced	3,000			2,000	1,000	2,000	0	404	350	100% of storage volume	350	0	

**PROW Drainage Area Compliance Data**

No records were retrieved.

**PROW BMP Compliance Data**

No records were retrieved.

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## STATEMENT BY PERSON RESPONSIBLE FOR MAINTENANCE

Electronic signature of the person responsible for maintenance (it may be the applicant):  
Signed using the Surface and Groundwater System on

Name and Title:

.

Address:

Date:

Phone No:

Email:

Compliance data last updated: 04-20-2022 01:09 PM  
Plan 7366 Page 5 of 5

# PLAN SUBMISSION

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  - Rainwater Harvesting
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- PUBLIC RIGHT OF WAY
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- OFF-SITE CDAs
- ESC & GAR



Surface and Groundwater System - ESC, SWM, GAR & FPM

- SGS Home
- ESC, SWM, GAR & FPM Home
- Program Directory +
- Support +
- Instructions +
- Resources +

- Homepage
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Public User Home Page >> ESC, SWM, GAR and FPM >> Sites and Plans >> Record View



- Submit**
- Identify Errors
- Required Plan Compliance Sheet

### PLAN TYPE AND EXEMPTIONS

Masterplan

Transition period vesting date  
07-15-2015 or later

<input checked="" type="checkbox"/> Is the plan a Stormwater Management Plan? Yes	<input type="checkbox"/> Is the plan a Soil Erosion and Sediment Control Plan? Yes	<input type="checkbox"/> Is the plan a Green Area Ratio plan? Yes
--	---	--

Roadway Reconstruction or Similar Project

Version of Stormwater Management Guidebook used for BMP Design Specifications  
2020

SWMP number 7366	<input checked="" type="checkbox"/> What type of activity is Site undergoing? Major Land Disturbing	<input checked="" type="checkbox"/> Is Site an 'AWDZ site?' Non-AWDZ
---------------------	--	---

Are there any special or heritage trees?

Does the plan have an EISF Requirement

Will a certificate of occupancy be required on project completion?

Request exceptions

- Relief from extraordinarily difficult site conditions
- Exception to 25-foot buffer
- Practicable Process for Single- and two-family affordable housing
- Practicable process for structures at public parks and trails for non-motorized vehicles
- Is the entire site exempt from detention requirements for the 2-year storm  
No



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Plan Number: 7366

Date: 03-01-2022

Who should receive email communication from DOEE regarding this plan?

project.engineer1200@gmail.com

This email address AND site owner will receive plan notification from the SGS

Click Save to submit this information to DOEE.

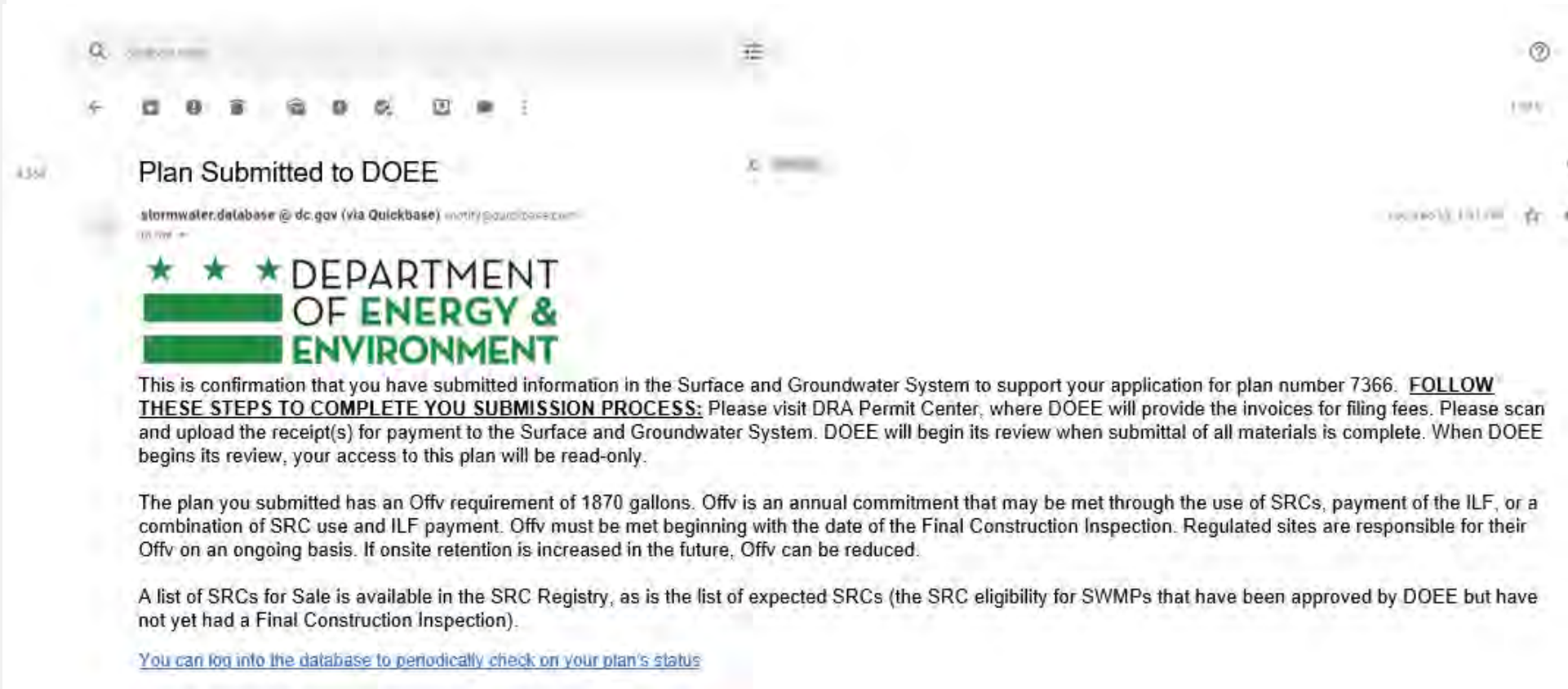
DOEE will begin to review when submittal of all materials is complete. **This includes submission of the plan at DCRA.**

When DOEE begins its review, your access to this plan will be read-only.

Submit Plan Information

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# FEE PAYMENT



- SGS Home
- Program Directory +
- Support +
- Instructions +**
- Resources +

- Public Use
- Complete Instruction Manual
- Electronic Approval Stamps
- SGS Frequently Asked Questions**
- Agents & staff instructions
- GAR Landscape Checklist
- Obtain Covenant Approval
- Permitting instructions for small projects
- RiverSmart Rewards
- Self-Inspection Self-Reporting

**Erosion, Stormwater Management, and Area Ratio**

Enter and access Wells and Soil Borings permit applications. Enter Driller company and individual driller information.

inspections. Participate in the Stormwater Retention Credit (SRC) trading, RiverSmart Rewards and Self Inspection Self Reporting (SISR) programs.

**Wetlands and Streams**

Enter and access Wetland and Stream Permit applications or Water Quality Certifications.

**Pay Fees**

Search for fee assessments based on your fee ID or plan number and make a payment online.

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- Fees must be paid before plan review will start
- Plan will be put on hold if fees aren't paid in 3 days

## Two ways to pay:

- Online
- In-person

# FEE PAYMENT – ONLINE

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- Can pay fees online with or without an account
  - No staff or agent requests needed
- 2.6% online service charge
- Credit card processing page may timeout if the process takes longer than 1 minute
- Only Visa and MasterCard accepted
- No further steps once the payment is complete

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## Surface and Groundwater System

- Program Directory +
- Support +
- Instructions +
- Resources +

### Erosion, Stormwater, Green Area Ratio and Floodplain

Enter and access Erosion and Sediment Control (ESC), Stormwater Management (SWM), Green Area Ratio (GAR) and Floodplain Management (FPM) permit applications and inspections. Participate in the Stormwater Retention Credit (SRC) trading, RiverSmart Rewards and Self Inspection Self Reporting (SISR) programs.

### Wells and Soil Borings

Enter and access Wells and Soil Borings permit applications. Enter Driller company and individual driller information.

### Wetlands and Streams

Enter and access Wetland and Stream Permit applications or Water Quality Certifications.

### Pay Fees

Search for fee assessments based on your fee ID or plan number and make a payment online.



# FEE PAYMENT – ONLINE WITHOUT AN ACCOUNT

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- Program Directory +
- Support +
- Instructions +
- Resources +

Show fee record records where

Plan number is equal to

Fee ID is equal to

Enter the plan number OR Fee ID

# FEE PAYMENT – IN PERSON

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- Pay in person at 1101 4th Street SW (Cashier's Office)
- Pay with a check
- Documents to bring:
  - 2 invoices and 1 SOAR receipt for each fee type
    - ESC, GAR, SWMP, FPM
- You CANNOT print invoices at DOEE or DCRA. Have your invoices printed before you go
  - You need an account and access to the plan to print the invoices and SOAR receipt
- Next step: upload the PAID invoice to the plan, or the review process will not move forward

# FEE PAYMENT – IN PERSON – DOCUMENTS TO BRING

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Surface and Groundwater System - ESC, SWM, GAR & FPM

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Public User Home Page >> ESC, SWM, GAR and FPM >> Sites and Plans >> Record View

- > PLAN TYPE AND EXEMPTIONS
- > APR/Velocity
- > SITE AND LOCATION
- > LAND COVER
- > BMPs
- > RETENTION AND TREATMENT REQUIREMENTS
- > RETENTION AND TREATMENT ACHIEVED
- > SUMMARY OF OFFv & SRCs
- > DETENTION REQUIREMENTS
- > PROJECT DESCRIPTION
- > CONSTRUCTION INFORMATION
- > CLE Information
- > PLAN DOCUMENTS
- > PLAN REVIEW
- > FEES**

Total fees(with out online fee)	Online service charge	Total fees paid
\$7737.6	\$0	\$7737.60

To pay a fee, open the record of the assessment below. You may also pay at the Permit Center (1100 4th Street SW)

Full Report | Grid Edit | Email | More ▾ 1 Fee

Date Created	Fee Type	Total ESC fees	ESC Paid Online	ESC fees paid	Total SWMP Fees	SWMP Paid Online	SWMP fees paid	Total GAR Fees	GAR Paid Online	GAR fees paid	Total Floodplain Fees	Total Floodplain Fees Paid
8-19-2021 08:45 AM	Initial Filing Fees	\$1154.70	\$0	\$1154.70	\$6582.90	\$0	\$6582.9	\$0.00	\$0	\$0.00	\$0.00	\$0.00
<b>TOT</b>		<b>\$1154.70</b>	<b>\$0</b>	<b>\$1154.70</b>	<b>\$6582.90</b>	<b>\$0</b>	<b>\$6582.9</b>	<b>\$0.00</b>	<b>\$0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

- > INSPECTIONS
- > BACKGROUND CALCULATIONS



# FEE PAYMENT – IN PERSON – DOCUMENTS TO BRING

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▼ ESC FEES

Is the site residential?  Additional fees for Fill, Cut, or land disturbance

Initial ESC Fee  Supplemental ESC Fee

ESC Revision Number of ESC revisions

Clearing and grading  Excavation

Volume of cut (cubic yards) Volume of fill (cubic yards)

ESC Manual  ESC Handbook

ESC initial payment \$1154.70 Clearing and grading fee \$0.00

Excavation fee \$0.00 Filling fee \$0.00

ESC Revision Fee \$0

Total ESC fees \$1154.70

Increase to fee if paid online \$0

Total ESC (including online payment) \$1154.7

ESC fees paid \$1154.70 Date ESC Fees Paid 08-27-2021

Overwrite ESC Fees

ESC Credit from prior overpayment

[SOAR REVENUE/RECEIPTS](#) [ESC Fee Invoice](#)

---

▼ GAR FEES

Initial GAR fee  Final GAR fee

GAR Revision Number of GAR revisions

GAR initial fee \$0.00 GAR final fee \$0.00 GAR supplemental fee

GAR Revision Fee \$0

Total GAR Fees \$0.00

Increase to fee if paid online \$0

Total GAR (including online payment) 0

GAR fees paid \$0.00 Date GAR Fees Paid

overwrite gar fee

GAR credit from prior overpayment

Overwrite to GAR fee to zero

[SOAR REVENUE/RECEIPTS](#) [SWM and GAR Fees Invoice](#)

---

▼ SWMP FEES

### SOAR REVENUE/RECEIPTS

**Instruction:**

Agencies : Complete this replacement RCR/NRCR form manually and forward to OFT. Include the new FY 2020 SOAR accounting elements.

OFT : Enter and approve this form in SOAR to record revenue and non-revenue receipts.

Property Address: 2701 South Capitol Street SW Lot No: Square No:

SFX	FY	AGY	TRAN	COMP	AGY	GRANT	FUND	COMP	AGY	REF	SFX	DEPOSIT	DEBT/INV	BANK	AMOUNT
			CODE	INDEX	PCA	GRANT				DOC.		NUMBER	ISSUE	ID	
1	2020	KGO	190	S0646	2095A							0		200	\$0
2	"	"	"	"	"										\$0
3	"	"	"	"	"										\$0
4	"	"	"	"	"										\$0
5	"	"	"	"	"										
6	"	"	"	"	"										
7	"	"	"	"	"										
<b>Total:</b>															\$0.00

SFX	Description
1	Floodplain Information Determination
2	Minor Floodplain Study/Report Review
3	Major Floodplain Study/Report Review
4	Additional FEMA Request Review
5	
6	
7	
8	
9	

Form Reviewed By: \_\_\_\_\_ Entered into SOAR By: \_\_\_\_\_ Approved in SOAR By: \_\_\_\_\_

Name: ~262~ Name: \_\_\_\_\_ Name: \_\_\_\_\_

Date: 5/12/2022 Date: \_\_\_\_\_ Date: \_\_\_\_\_

Phone: \_\_\_\_\_ Phone: \_\_\_\_\_ Phone: \_\_\_\_\_

\*Signed electronically ~263~

# FEE PAYMENT – IN PERSON – UPLOADING PAYMENT RECEIPT

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SGS Home ESC, SWM, GAR & FPM Home Program Directory + Support + Instructions + Resources +

Back Refresh Save

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- PLAN TYPE AND EXEMPTIONS
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- LAND COVER AND SITE DRAINAGE AREAS
- BMPs
- RETENTION AND TREATMENT REQUIREMENTS
- RETENTION AND TREATMENT ACHIEVED
- SUMMARY OF OFFv & SRCs
- DETENTION REQUIREMENTS
- PROJECT DESCRIPTION
- CONSTRUCTION INFORMATION
- GREEN AREA RATIO
- CLE Information
- PLAN DOCUMENTS

Add Document

File	Type of Document	Page of covenant with technical and legal sufficiency signatures	Plan Type	Comment	Date Modified	DOEE access only	Legal sufficiency	Technical sufficiency
------	------------------	--	-----------	---------	---------------	------------------	-------------------	-----------------------

No documents found

- OFFv COMPLIANCE
- APPLICATIONS TO USE SRCs
- NOTIFICATIONS OF ILF PAYMENT

# FEE PAYMENT – IN PERSON – UPLOADING PAYMENT RECEIPT

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## Plan Documents > Add Document

Main

Plan number  
[7366](#)

Select the program(s)/requirement(s) that this document supports:

Stormwater Management  Soil Erosion and Sediment Control  Green Area Ratio  Floodplain

Attachment  
 No file chosen

Type of Document \*  
Fee invoices or receipts

Comment

Type of Document:  
Fee invoices or receipts



# REVIEW PROCESS

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- > BMPs
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PLAN REVIEW			
Full Report   More   2 Plan statuses			
Date	Submittal number	Status	Notes
09-26-2020		Submitted	Changes from previous submittal

BWM/ESC	Reviewer Email	Reviewer Phone

GAR Reviewer Name	GAR Reviewer Email	GAR Reviewer Phone

SGS shows assigned plan reviewer and review status

INSPECTIONS		
Inspector Name	Inspector Email	Inspector Phone

Year Construction Inspection Date
09-27-2020

Date of Final Approval Notice

Inspection Date	Final Construction Inspection	Inspection Reports	Documents	Photos	Comments

Inspection Date	Inspection Reports	Documents	Photos	Comments

Inspection dates and documents can be accessed



# APPROVAL PROCESS

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## Final Steps Prior to Approval:

1. Sign the maintenance responsibility and (if applicable) the Offv statement
2. Generate a new Required Plan Compliance Sheet
3. Attach a PDF of the plan
4. DOEE applies electronic approval stamps
5. After final fees are paid, you can access the approved plan

# MAINTENANCE RESPONSIBILITY & OFFV

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- All Stormwater Management Plans (SWMP) must have the person responsible for maintenance sign the Maintenance Responsibility Stamp online
- All SWMPs with Offv must have the person responsible for achieving Offv sign the Offv Stamp online
- These stamps must be signed by the site owner or someone with responsibility for long-term management of the site.
- These stamps are not typically completed by the project engineer



# MAINTENANCE RESPONSIBILITY STAMP

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### ▼ BMPs

Sign Maintenance Responsibility Stamp

Full Report | Grid Edit | Email | More ▼ 5 BMPs

	BMP title	BMP storage volume (cubic feet)	Retention volume achieved (cubic feet)	Downstream BMP ID Numbers	Treatment Train	Most recent maintenance inspection	Maintenance required
<input type="checkbox"/>	7366-1-1 Green roof 1 Extensive green roof	60	60				<input type="checkbox"/>
<input type="checkbox"/>	7366-1-2 Bioretention 1 Engineered tree pits	200	200				<input type="checkbox"/>
<input type="checkbox"/>	7366-2-1 Treatment Train Bioretention 1 Engineered tree pits	45	45	7366-2-2	TT - 7366-2-1		<input type="checkbox"/>
<input type="checkbox"/>	7366-2-2 Treatment Train Bioretention 2 Engineered tree pits	350	350				<input type="checkbox"/>
<input type="checkbox"/>	7366-4-1 Permeable Pavement 1 Pervious concrete	60	55				<input type="checkbox"/>
<b>TOT</b>		<b>715</b>	<b>710</b>				

### ▼ RETENTION AND TREATMENT REQUIREMENTS

Site SWRv (cubic feet) 459 | Site SWRv (gal) 3435

### ▼ RETENTION AND TREATMENT ACHIEVED

Total on-site retention volume achieved by BMPs (cubic feet) 710 | Total on-site retention volume achieved by BMPs (gal) 5311

Total retention volume remaining (cubic feet) | Total retention volume remaining (gal)

# MAINTENANCE RESPONSIBILITY

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  - Additional Steps
    - Construction Info
    - Landscape Engineer Info
    - Uploading Docs
- PLAN SUBMISSION
  - Owners, Agents, Staff
  - Errors & compliance
  - Plan Submission
  - Fee Payment
  - Approval Process
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- PUBLIC RIGHT OF WAY
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- OFF-SITE CDAs
- ESC & GAR



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Thank you for signing the Maintenance Responsibility Statement.

Click the button "Generate Maintenance Stamp" to save a copy of this signed Maintenance Responsibility Statement in the list of documents for this plan. A popup window will display a status bar. Please wait for this bar to reach 100%. Then, click the Plan Number link to return to the plan information.

Plan number

7366

By signing this statement, you are committing to maintain and operate the BMPs, stormwater infrastructure, and land cover associated with this SWMP. The person responsible for maintenance should own the site or be an agent of the site owner who will be responsible for long-term management of the site. This statement must be signed from the Soil and Groundwater System account of the person responsible for maintenance. If the BMP or land cover information for this plan is modified, a new Maintenance Responsibility Stamp will be required.

### STATEMENT BY PERSON RESPONSIBLE FOR MAINTENANCE

I agree to the following statement

The undersigned agrees to maintain compliance with the performance requirements and other provisions of Chapter 5 of Title 21 of the District of Columbia Municipal Regulations (DCMR). This includes maintaining and operating stormwater best management practices (BMPs), stormwater infrastructure, and land covers as specified in the Stormwater Management Plan approved by the District Department of Energy and Environment (DOEE).

Responsibility for maintenance and operation may be transferred to another entity upon written notice to the Natural Resources Administration of DOEE from the undersigned and the entity assuming responsibility. This notice must certify that the transfer of responsibility for maintenance and operation is in compliance with 21 DCMR Chapter 5.

I certify that to the best of my knowledge the information contained on this form is true and accurate. I understand that any false statement may be punishable by fine or imprisonment pursuant to D.C. Official Code §22-2405.2

In addition, I grant DC Water permission to share with DOEE information about my account in order to be enrolled in RiverSmart Rewards to receive a discount on my water bill.

Enter your name and click "submit" to sign this statement:

Jane Smith

03-02-2022 04:30 PM

Signed electronically

Name

Jane Smith

Title

Organization

Address

Jane Smith  
12345 Test Street NE  
Suite 599  
Washington, DC 20002

Email

site.owner1200@gmail.com

Phone

(123) 456-7891



# OFFv STATEMENT

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## ▼ SUMMARY OF OFFv & SRCs

At least 50% of SWRv for the Site Retained? ⓘ Offv ⓘ SRC eligibility ⓘ SRC eligibility from PROW

Yes 0 2531 0

Do you intend to generate and sell Stormwater Retention Credits (SRCs)

[Sign Offv Statement](#)

## ▼ PROJECT DESCRIPTION

Project Name	Property Class	How many lots are within the project's boundaries?
Test Project	Commercial	
Total cost of construction		
\$1,000,000.00		
ⓘ Submission Type	Volume of cut (cubic yards)	Volume of fill (cubic yards)
ProjectDox	100	100
Project Description (max 250 characters)		
This is an example project	<a href="#">Notify DOEE of removal of BMPs from pre-existing plans</a>	
Is this a PUD project		
No		
Expected construction start date	Expected construction completion date	



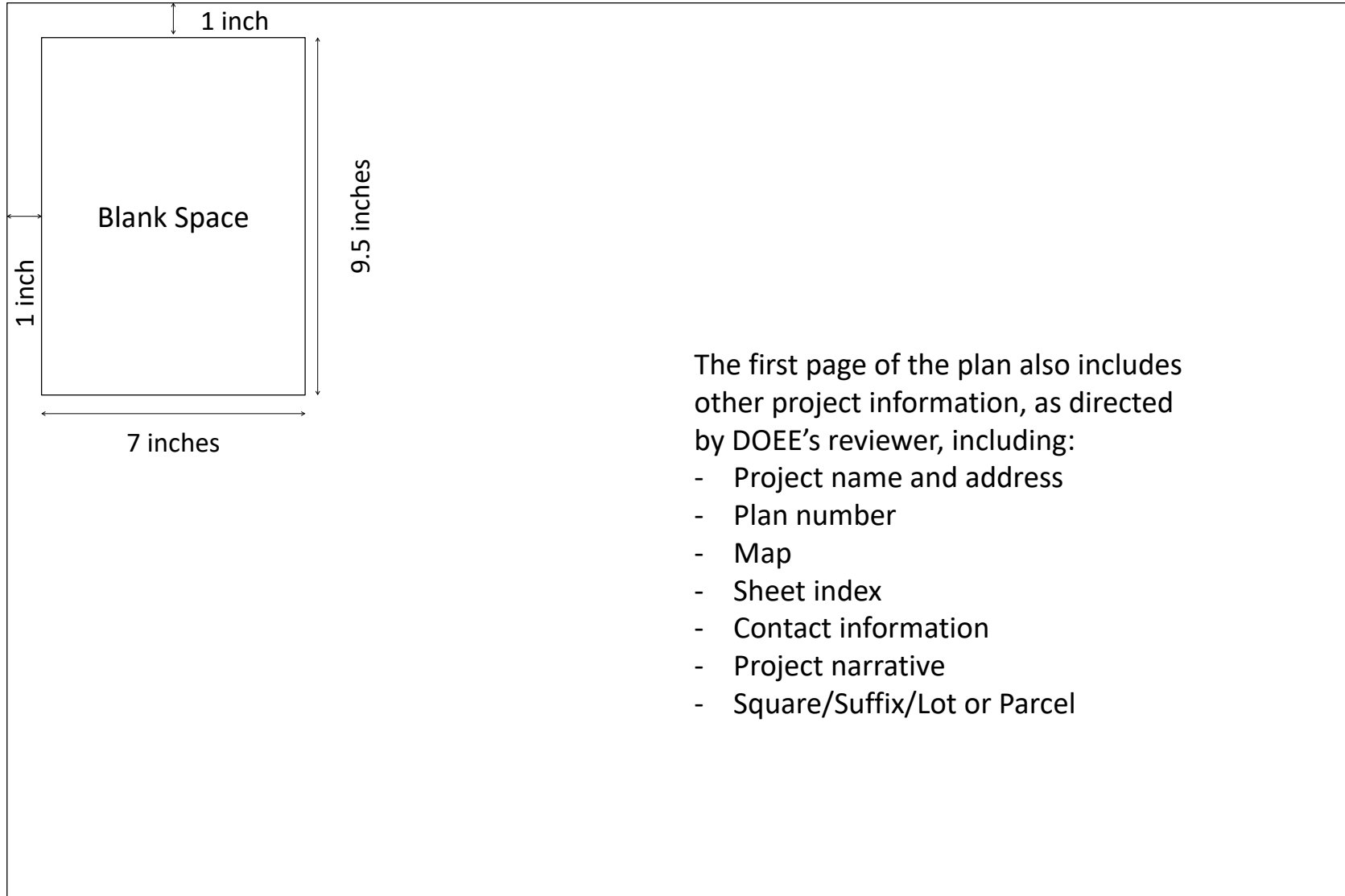
# APPROVAL PROCESS

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- Leave a blank space on the first page:
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  - 9.5 inches high
  - Located 1 inch below the top and 1 inch from the left
- Attach as a PDF, do not use a zip file
- Upload may timeout if the file is too large
  - Break up the file into parts and include the cover page as the first page for each part
  - Name the uploads "1 of 2," "2 of 2," etc

# APPROVAL PROCESS

- INTRODUCTION
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The first page of the plan also includes other project information, as directed by DOEE's reviewer, including:

- Project name and address
- Plan number
- Map
- Sheet index
- Contact information
- Project narrative
- Square/Suffix/Lot or Parcel



# Exemptions & Special Circumstances





**Exemptions from Green Area Ratio  
or Erosion and Sediment Control**



# GAR EXEMPTIONS

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## PLAN TYPE AND EXEMPTIONS

Masterplan

Transition period vesting date \*

07-15-2015 or later

Is the plan a Stormwater Management Plan? \*

Yes

Is the plan a Soil Erosion and Sediment Control Plan? \*

Yes

Is the plan a Green Area Ratio plan? \*

No - GAR Exemption

Roadway Reconstruction or Similar Project \*

Version of Stormwater Management Guidebook used for BMP Design Specifications \*

2020

SWMP number

7366

What type of activity is Site undergoing? \*

Major Land Disturbing

Is Site an "AWDZ site"? \*

Non-AWDZ

Masterplan Number

Are there any special or heritage trees?

Does the plan have an EISF Requirement

Will a certificate of occupancy be required on project completion?

Request exceptions

Relief from extraordinarily difficult site conditions

Exception to 25-foot buffer

# GAR EXEMPTIONS

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### GAR Score Sheet

PLAN TYPE AND EXEMPTIONS

1. Is this a new or existing project?

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100. Is this a new or existing project?

Before submitting this plan, you must attach an Application for Exemption Status or an Application for Transition Exemption Status. You can attach documents in the Plan Documents section of this form. You can download an application for exemption at <http://ddoe.dc.gov/gar>

OK



# ESC EXEMPTIONS

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## PLAN TYPE AND EXEMPTIONS

Masterplan

Transition period vesting date \*

07-15-2015 or later

Is the plan a Stormwater Management Plan? \*

Yes

Is the plan a Soil Erosion and Sediment Control Plan? \*

No

Is the plan a Green Area Ratio plan? \*

Yes

Roadway Reconstruction or Similar Project

Version of Stormwater Management Guidebook used for BMP Design Specifications \*

2020

SWMP number: 7366

What type of activity is Site undergoing? \*

Major Land Disturbing

Is Site an "AWDZ site"? \*

Non-AWDZ

Masterplan Number

Are there any special or heritage trees?

Does the plan have an EISF Requirement

Will a certificate of occupancy be required on project completion?

Request exceptions

Relief from extraordinarily difficult site conditions  Exception to 25-foot buffer

# ESC EXEMPTIONS

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GAR Score Sheet

PLAN TYPE AND EXEMPTIONS

Description (required field) \*  
[R15-D15 view]

Is the plan a Stormwater Management Plan? Yes No  
Is the plan a Soil Erosion and Sediment Control Plan? Yes No  
Is the plan a Green Area Retention Plan? Yes No

Recovery Reconstruction of Similar Property  
Is this a Recovery Reconstruction of Similar Property? Yes No

When type of activity is SWM (required) \*  
[Soil Erosion and Sediment Control]

Is the plan a SWM plan? Yes No

Any other type of activity? Yes No

Does the plan have an ESD Requirement? Yes No

Will a certificate of compliance be prepared by project proponent? Yes No

Request exemption:  
- Relief from stormwater runoff all site conditions  
- Expedited Process for Single-unit residential projects  
- Expedited process for sites located in public parks and  
- Is the entire site exempt from detention requirements?  
- Can the exemption from Erosion and Sediment Control

Most projects will require review for soil erosion and sediment control.

OK

# ESC EXEMPTIONS

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### GAR Score Sheet

PLAN TYPE AND EXEMPTIONS

Masterplan

Transition period vesting date \*  
07-15-2015 or later

Is the plan a Stormwater Management Plan? \*  
Yes

Is the plan a Soil Erosion and Sediment Control Plan? \*  
No

Is the plan a Green Area Ratio plan? \*  
Yes

Roadway Reconstruction or Similar Project

Version of Stormwater Management Guidebook used for BMP Design Specifications \*  
2020

SWMP number  
7366

What type of activity is Site undergoing? \*  
Major Substantial Improvement

Is Site an 'AWDZ site'? \*  
Non-AWDZ

Masterplan Number

Are there any special or heritage trees?  
Does the plan have an EISF Requirement  
Will a certificate of occupancy be required on project completion?

Request exceptions

Relief from extraordinarily difficult site conditions

Practicable Process for Single- and two-family affordable housing

Practicable process for structures at public parks and trails for non-motorized vehicles

Is the entire site exempt from detention requirements for the 2-year storm  
Yes

Describe exemption from Erosion and Sediment Control\*  
Description of exemption





# Public Right of Way (PROW) Projects

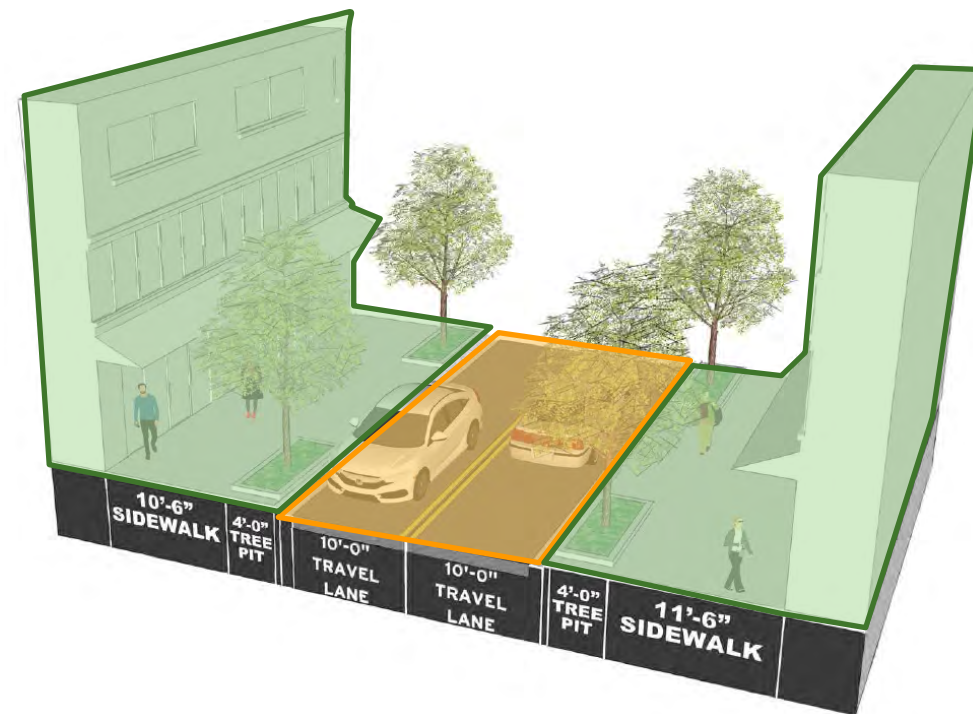


# PUBLIC RIGHT OF WAY

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- Meet requirements to the Maximum Extent Practicable (MEP): doing the most you can but no need for off-site compliance

Two Types of Public Right of Way Projects	
Type 1	Type 2
<b>Roadway Reconstruction Projects</b>	<b>Parcel-based Projects</b>
Entirely in the public right of way	Partially in the public right of way
Mostly conducted by DDOT	Typically disturb the adjacent right of way (e.g. sidewalk in front of building)
Submit at 30%, 65%, 90%, and final design phases	



Credit: City of Falls Church, VA

# PUBLIC RIGHT OF WAY

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## Type 1

# Roadway Reconstruction Projects



# PUBLIC RIGHT OF WAY – ROADWAY RECONSTRUCTION

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**SITE INFORMATION**

Soil Erosion and Sediment Control and/or GAR only

Address Format \*  
Block

Address on building permit application\*  
0 Test Street NE

Block number\* 12345 Street name\* Test Street type\* Street Quadrant\* NE

Description of location\*  
Reconstruction of Test ST NE between X St NE and Y St NE

**SITE OWNER**

The site owner listed below should be the person who owns the site or who will be responsible for long-term management of the site. Typically, the project engineer should not be listed here.

Site Owner/Manager Jane Roe Site Owner/Manager Jane Roe

**PLANS AFFILIATED WITH THIS SITE**

**LOCATION**

Locate Watershed Find coordinates, square, suffix, and lot Find Major and Minor Drainage Areas

Find assessed value Find zone Find Soil Type

Flood Zone Determination Tool

X coordinate 0 Y coordinate 0

Storm sewer system\* CSS Major drainage area\* Anacostia Minor drainage area Anacostia River

Ward 6 Soil type Ub Assessed building value 138,739,100.00

Square 0672 Suffix Lot 0856

# PUBLIC RIGHT OF WAY – ROADWAY RECONSTRUCTION

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PLAN TYPE AND EXEMPTIONS

Masterplan

Transition period vesting date \*  
07-15-2015 or later

Is the plan a Stormwater Management Plan? \*  
Yes

Is the plan a Soil Erosion and Sediment Control Plan? \*  
Yes

Is the plan a Green Area Ratio plan? \*  
Yes

Roadway Reconstruction or Similar Project \*

Design phase\*  
30%  
65%  
90%  
Final

Version of Stormwater Management Guidebook used  
2020

SWMP number  
7376

Are there any special or heritage trees?  
No

Does the plan have an EISF Requirement  
No

Will a certificate of occupancy be required on project completion?  
No

Request exceptions  
 Relief from extraordinarily difficult site conditions  
 Exception to 25-foot buffer  
 Practicable Process for Single- and two-family affordable housing  
 Practicable process for structures at public parks and trails for non-motorized vehicles  
 Is the entire site exempt from detention requirements for the 2-year storm  
No

APR/Velocity

SITE AND LOCATION

Site \*  
12345 Test Street NE - Site #30728

Is the entire site in the CSS? \*  
Yes

In which portion of the CSS is the project located? \*  
Tunnel

Look up CSS/MS4 areas using the [Sewershed Locator](#).

Major drainage area \*  
Anacostia

Plan Minor Drainage Area \*  
Anacostia River

Soil type  
Ub

# PUBLIC RIGHT OF WAY

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## Type 2

## Parcel-based Projects



# PUBLIC RIGHT OF WAY – SITE DRAINAGE AREAS

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Once the Site Drainage Area is added, you can review your plan information to see the total land cover, retention requirements, and retention achieved for all of your Site Drainage Areas combined.

Plan 7366	Site Drainage Area Number 4	Site Drainage Area ID 7366-4
<input type="checkbox"/> Site Drainage Area is in the Public Right of Way	Is Site Drainage Area in the AWDZ? Non-AWDZ	SWRv rain event (in 0.8
Type of activity Site Drainage Area is undergoing Major Substantial Improvement	Site Drainage Area major drainage basin Anacostia	Site Drainage Area minor drainage basin Anacostia River
Is the Site Drainage Area in the CSS?*	Does a portion of the SDA consist solely of cutting a trench for utility work?	
No		
Does the entire Site Drainage Area drain directly, or through the MS4 directly to C&O canal, Tidal Anacostia, Potomac, Washington Ship Channel without first discharging to a tributary?		
Yes		

### MAJOR SUBSTANTIAL IMPROVEMENT ACTIVITY

For the structure that is being renovated, what is the portion of the footprint of the structure that is within this SDA?\*

Only include area within the limits of disturbance (including the building footprint)

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover	Vehicular Access Area
Post project	1500	<input type="text"/>	<input type="text"/>	1000	500	500
Pre project	1500	<input type="text"/>	<input type="text"/>	1500	<input type="text"/>	500

# PUBLIC RIGHT OF WAY – SITE DRAINAGE AREAS

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[Add another Site Drainage Area to this Plan](#) [Site Drainage Area Information](#)

- > SITE DRAINAGE AREA INFORMATION
- > MAJOR SUBSTANTIAL IMPROVEMENT ACTIVITY
- > SWRv AND WQTV
- > BMPs
- ▼ DRAINAGE AREA COMPLIANCE

	Cubic feet	Gallons
Retention volume remaining	88	655
Volume remaining to treat 50% of the SWRv	11	84

50% of SWRv retained?  No  Yes

Runoff from vehicular access areas sufficiently retained or treated?  Yes  No

Is treatment required?  Yes  No

Minimum requirements for drainage area met?  Yes  No  N/A

Note about SWRv

MEP process used ✔

Can generate SRCs from PROW?

DOEE approval of MEP process

- Retention volume not met after following MEP process (cubic feet)
- Treatment volume not met after following MEP process (cubic feet)

# PUBLIC RIGHT OF WAY – SITE DRAINAGE AREAS

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Submit Identify Errors Required Plan Compliance Sheet GAR Score Sheet

- PLAN TYPE AND EXEMPTIONS
- APR/Velocity
- SITE AND LOCATION
- LAND COVER AND SITE DRAINAGE AREAS
- BMPs
- RETENTION AND TREATMENT REQUIREMENTS
- RETENTION AND TREATMENT ACHIEVED
- SUMMARY OF OFFv & SRCs
  - At least 50% of SWRv for the Site Retained?  Offv  Yes
  - Do you intend to generate and sell Stormwater Retention Credits (SRCs)



# PUBLIC RIGHT OF WAY – PERMEABLE PAVERS

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Once the BMP is added, you can review your Site Drainage Area or Plan information to see the total retention achieved and the progress toward meeting requirements.

BMP LOCATION

GENERAL BMP INFORMATION

Plan Number 7366	BMP number 1	BMP ID number 7366-4-1
BMP X Coordinate 9775211.98911	BMP Y Coordinate -289221.88210	Previous Inspection Installation Date
BMP Group * Permeable Pavement	BMP type * Pervious concrete	BMP sub-type Enhanced
BMP Name Permeable Pavement 1	RSH Tree Species	
Did DOEE help pay for this BMP? No	RSH Tree Rebate Amount	

CONTRIBUTING DRAINAGE AREA

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover	Vehicular access area
Post project	500				500	500
Pre project	500			500		500

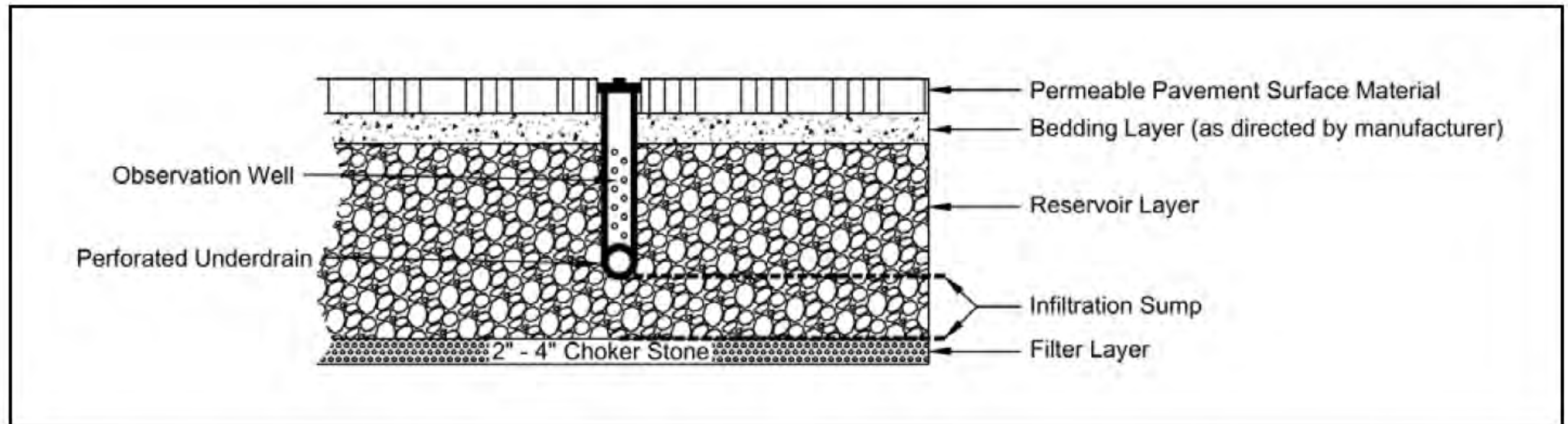
BMP RETENTION AND TREATMENT ACHIEVED

Enhanced practice with an underdrain

BMP storage volume (cubic feet)					
Maximum volume received by BMP (cubic feet)	67	Retention volume achieved (cubic feet)	0	Potential retention volume remaining (cubic feet)	67
				Additional treatment volume (cubic feet)	0.00
				Vehicular access volume addressed?	No

# PUBLIC RIGHT OF WAY – PERMEABLE PAVERS

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**Figure 3.14 Cross section of an enhanced permeable pavement design with an underdrain.**

Source: 2020 Stormwater Management Guidebook (pg. 82)  
[doee.dc.gov/swguidebook](https://doee.dc.gov/swguidebook)

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Once the BMP is added, you can review your Site Drainage Area or Plan information to see the total retention achieved and the progress toward meeting requirements.

**BMP LOCATION**

**GENERAL BMP INFORMATION**

Plan Number 7366	BMP number 1	BMP ID number 7366-4-1
BMP X Coordinate 9775211.9891!	BMP Y Coordinate -289221.88210	Previous Inspection Installation Date
BMP Group Permeable Pavement	BMP type Pervious concrete	BMP sub-type Enhanced
BMP Name Permeable Pavement 1	RSH Tree Species	
Did DOEE help pay for this BMP? No	RSH Tree Rebate Amount	

**CONTRIBUTING DRAINAGE AREA**

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

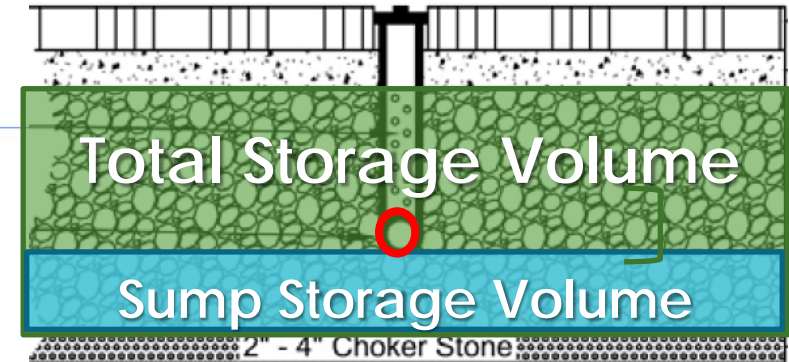
	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover	Vehicular access area
Post project	500				500	500
Pre project	500			500		500

**BMP RETENTION AND TREATMENT ACHIEVED**

Enhanced practice with an underdrain

BMP storage volume (cubic feet) 60	Infiltration sump storage volume (cubic feet) 30
---------------------------------------	---

Maximum volume received by BMP (cubic feet) 67	Retention volume achieved (cubic feet) 55	Potential retention volume remaining (cubic feet) 12	Additional treatment volume (cubic feet) 5.00	Vehicular access volume addressed? Yes
---	--	---	--	---







# Unregulated Stormwater Management Plans



# UNREGULATED PROJECTS

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**Unregulated projects:** Projects that are done solely to generate SRCs

SRC eligibility will be based on retention achieved in excess of pre-project retention but less than the SRC ceiling

Attend a DOEE SRC training for more information

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PLAN TYPE AND EXEMPTIONS

Masterplan  
 DDOT Blanket Permit

Transition period vesting date \*  
07-15-2015 or later x

Is the plan a Stormwater Management Plan? \*  
Yes

Is the plan a Soil Erosion and Sediment Control Plan? \*  
Yes

Is the plan a Green Area Ratio plan? \*  
Yes

Roadway Reconstruction or Similar Project

Version of Stormwater Management Guidebook used for BMP Design Specifications \*  
2020

SWMP number

What type of activity is Site undergoing? \*  
Unregulated

Are there any special or heritage trees?  
No

Does the plan have an EISF Requirement  
No

Will a certificate of occupancy be required on project completion?  
No

Request exceptions:  
 Relief from extraordinarily difficult site conditions  Exception to 25-foot buffer

Is the entire site exempt from detention requirements for the 2-year storm  
No

Practicable Process for Single- and two-family affordable housing  
 Practicable process for structures at public parks and trails for non-motorized vehicles

SITE AND LOCATION

Site \*  
12345 Test Street NE

Is the entire site in the CSS? \*  
Yes

In which portion of the CSS is the project located? \*  
No

Look up CSS/MS4 areas at <https://dcgis.maps.arcgis.com/apps/webappviewer/index.html?id=0bdc0da685a6428aabc17a9ae1602d12>

Major drainage area \*  
Anacostia

Minor Drainage Area \*  
Anacostia River x



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**▼ SITE DRAINAGE AREA INFORMATION**

<b>Plan</b>	<b>Site Drainage Area Number</b>	<b>Site Drainage Area ID</b>
<a href="#">7376</a>	1	7376-1
<input type="checkbox"/> Public Right of Way		
<b>Type of activity Site is undergoing</b>	<b>Is Site Drainage Area in the AWDZ?</b>	<b>SWRv rain event (in)</b>
Unregulated	<input type="checkbox"/>	0
<b>Is the Site Drainage Area in the CSS?</b>	<b>Site Drainage Area major drainage basin</b>	<b>Site minor drainage basin</b>
Yes	Anacostia	Anacostia River
<b>Is the entire Site Drainage Area exempt from detention requirements for the 2-year storm?</b>	<b>Does a portion of the SDA consist solely of cutting a trench for utility work?</b>	<b>Is there an area that consists solely of a real or synthetic athletic field, or a permeable track or play area?</b>
No	<input type="checkbox"/>	<input type="checkbox"/>

**▼ LAND COVER**

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	500			200	300
Pre project	500		100	400	

[BMPs](#)

[NET SRCs FOR UNREGULATED SITES](#)

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Add another Site Drainage Area to this Plan Site Drainage Area Information

> SITE DRAINAGE AREA INFORMATION

> LAND COVER

> BMPs

Add BMP to this Site Drainage Area Edit BMP ID Numbers

	Cubic feet	Gallons
Retention volume achieved by BMPs	200	1495
Volume treated	0	0

Full Report | More ▾ 2 BMPs

BMP ID number	BMP Name	BMP Type and Subtype	Retention volume achieved (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?	Downstream BMP ID Numbers	Total Post project vehicular access area
7376-1-1	7376-1-1 Green Roof 1	Intensive green roof	200	0.00	N/A		
7376-1-2	7376-1-2 Tree Pits	Engineered tree pits - Enhanced	0	0.00	N/A		
TOT			200	0.00			0

> NET SRCs FOR UNREGULATED SITES

Pre-project land cover retention (cubic feet)	13	Pre-project BMP retention (cubic feet)		Total pre-project retention (cubic feet)	13		
Post-project land cover retention (cubic feet)	4	Retention volume achieved by BMPs except unregulated tree preservation (cubic feet)	200	Total post-project retention (cubic feet)	204		
Total additional retention proposed (cubic feet)	190	Total additional retention proposed (gal)	1422	SRC Ceiling (gal)	429	Maximum SRCs (gal)	429
Net SRC Eligibility (gal)	429						



**Off-Site Contributing Drainage Area**



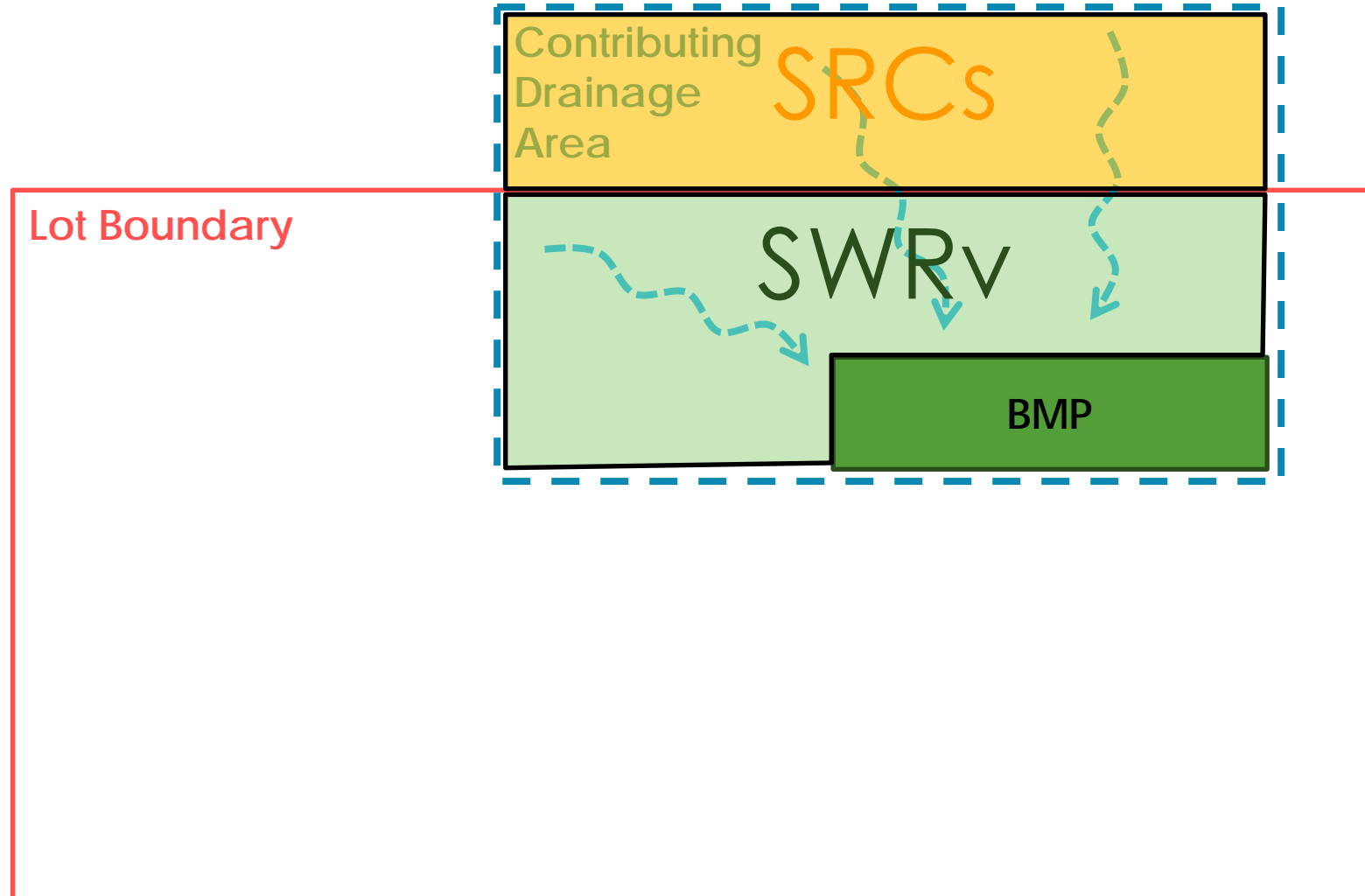
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- For parcels, retaining volume from an off-site area does not contribute to meeting the SWRv.
- Retaining volume from an off-site area may be eligible for Stormwater Retention Credit (SRC) certification

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Once the BMP is added, you can review your Site Drainage Area or Plan Information to see the total retention achieved and the progress toward meeting requirements.

> BMP LOCATION

▼ GENERAL BMP INFORMATION

Plan Number 7377	BMP number 1	BMP ID number 7377-1-1
BMP X Coordinate	BMP Y Coordinate	Previous Inspection Installation Date
BMP Group* Open Channel	BMP type* Grass channel	BMP sub-type Amended soils
BMP Name	RSH Tree Species	
Did DOEE help pay for this BMP? No	RSH Tree Rebate Amount	

▼ CONTRIBUTING DRAINAGE AREA

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

CDA includes off-site areas

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover
Post project	0				
On-site CDA (sub-set of total CDA)					
Pre project	0				

▼ BMP RETENTION AND TREATMENT ACHIEVED

BMP storage volume (cubic feet)							
Maximum volume received by BMP (cubic feet)	0	Retention volume achieved (cubic feet)	0	Potential retention volume remaining (cubic feet)	0	Additional treatment volume (cubic feet)	0.00



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Once the BMP is added, you can review your Site Drainage Area or Plan information to see the total retention achieved and the progress toward meeting requirements.

> BMP LOCATION  
 > GENERAL BMP INFORMATION

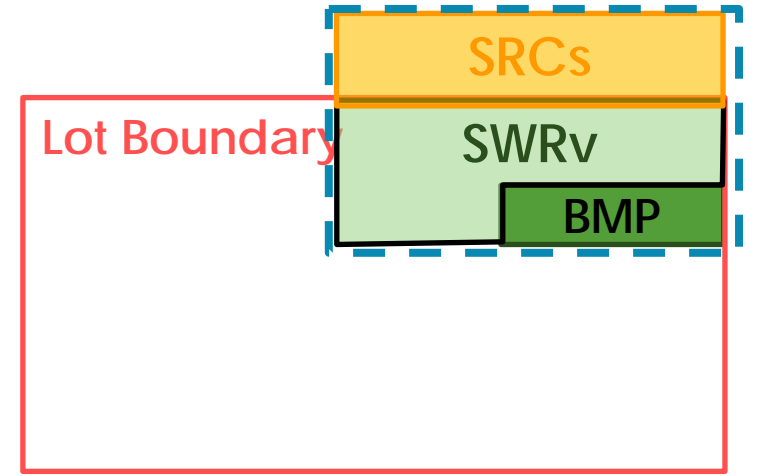
Plan Number: 7377 | BMP number: 7377-1-1 | BMP ID number: 7377-1-1  
 BMP X Coordinate: | BMP Y Coordinate: | Previous Inspection: | Installation Date: |  
 BMP Group\*: Open Channel | BMP type\*: Grass channel | BMP sub-type: Amended soils  
 BMP Name: | RSH Tree Species: |  
 Did DOEE help pay for this BMP?: No | RSH Tree Rebate Amount: |

> CONTRIBUTING DRAINAGE AREA  
 In this section, indicate the area that contributes directly to this BMP. Do not include area that contributed first to an upstream BMP.  
 CDA includes off-site areas

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover
Past project	8000			3000	3000
On-site CDA (sub-set of total CDA)				2000	3000
Pre project	8000			6000	

> BMP RETENTION AND TREATMENT ACHIEVED  
 BMP storage volume (cubic feet): 500

Maximum volume received by BMP (cubic feet)	Retention volume achieved (cubic feet)	Potential retention volume remaining (cubic feet)	Additional treatment volume (cubic feet)
800	150	650	0.00
Maximum volume received by BMP from outside authority of site owner	Retention volume achieved from outside authority of site owner	Potential volume remaining from outside authority of site owner	Volume treated from outside authority of site owner
135	25	110	0



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Add another Site Drainage Area to this Plan | Site Drainage Area Information

- › SITE DRAINAGE AREA INFORMATION
- › MAJOR LAND DISTURBING ACTIVITY
- › MAJOR SUBSTANTIAL IMPROVEMENT ACTIVITY
- › SWRv AND WQTV
- ▼ BMPs

Add BMP to this Site Drainage Area | Edit BMP ID Numbers

	Cubic feet	Gallons		
Retention volume achieved by BMPs	150	1122	Retention volume achieved from outside authority of site owner	25
Volume treated	0	0	Volume treated from outside authority of site owner	0
			Net retention eligible for meeting onsite obligations (cubic feet)	125
			Net volume eligible for treatment obligations (cubic feet)	0

Full Report | More ▾ 1 BMP

BMP ID number	BMP Name	BMP Type and Subtype	Retention volume achieved (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?	Downstream BMP ID Numbers	Total Post project vehicular access area
7377-1-1	7377-1-1	Grass channel - Amended soils	150	0.00	N/A		
TOT			150	0.00			0

▼ DRAINAGE AREA COMPLIANCE

	Cubic feet	Gallons
Retention volume remaining	723	5411





# Erosion and Sediment Control (ESC) & Green Area Ratio (GAR) Plans



# SUBMITTING ESC AND/OR GAR ONLY PLANS

Welcome, Lukin +



Surface and Groundwater System - ESC, SWM, GAR & FPM

- SGS Home
- Program Directory +
- Support +
- Instructions +**
- Resources +

Public Use

- Complete Instruction Manual
- Electronic Approval Stamps
- SGS Frequently Asked Questions**
- Agents & staff instructions
- GAR Landscape Checklist
- Obtain Covenant Approval
- Permitting instructions for small projects**
- RiverSmart Rewards
- Self-Inspection Self-Reporting

**Erosion, Stormwater Management, and Area Ratio**

**Wells and Soil Borings**

**Wetlands and Streams**

**Pay Fees**

Enter and access Wells and Soil Borings permit applications. Enter Driller company and individual driller information.

Enter and access Wetland and Stream Permit applications or Water Quality Certifications.

Search for fee assessments based on your fee ID or plan number and make a payment online.

Enter and access permit applications and inspections. Participate in the Stormwater Retention Credit (SRC) trading, RiverSmart Rewards and Self Inspection Self-Reporting (SISR) programs.

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SGS Home ESC, SWM, GAR & FPM Home Program Directory + Support + Instructions + Resources +

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You are entering a new site into the Stormwater Database. Please follow these steps:

1. If the site does not have a street address, please change the 'Address Format' to Block, Intersection, or Nearest Address. Then, skip to step 3.
2. Enter the site address (or place name; for example "The White house") in the box 'Input Address or Place Name' and then click 'Populate Data from Address.' Wait 10 seconds to allow the Stormwater Database to check the District's Master Address Repository (MAR) for site information and fill out the form. On older web browsers, or if the address does not exist in the MAR, this function will not work or will display an error.
3. If the site is a block or intersection, or if the MAR could not find the site, complete the rest of the information in the 'Site Information' section of the form.
4. Enter the site owner or manager's contact information.
5. Complete the 'Location' section of the form with any known information. You may use the buttons in the 'Location' section to look up SSL, sewershed, watershed, etc.
6. Click 'Save'
7. After saving, click 'Enter a new plan for this site' to continue entering plan information.

#### SITE INFORMATION

For sites undergoing a regulated activity, enter the address on the building permit application.

Address Format \*

Address

Input Address

123456 Test Street NE

Validate Address

Address number \*

123456

address suffix (calc)

Street name \*

Test

Street type \*

Street

Quadrant \*

NE

#### SITE OWNER

The site owner listed below should be the person who owns the site or who will be responsible for long-term management of the site. Typically, the project engineer should not be listed here.

Site owner/manager name

Owner Name

Address line 1

123 Test Street NW

Address line 2

Suite 999

City

Washington

State

DC

Zip

20000

Email

Phone



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**PLAN TYPE AND EXEMPTIONS**

Masterplan  
 DDOT Blanket Permit

Is the plan a Stormwater Management Plan? \*    Is the plan a Soil Erosion and Sediment Control Plan? \*    Is the plan a Green Area Ratio plan? \*

No    Yes    Yes

Raze only

Version of Stormwater Management Guidebook used for BMP Design Specifications \*

2020

Are there any special or heritage trees?

Does the plan have an EISF Requirement

Will a certificate of occupancy be required on project completion?

Request exceptions:

Exception to 25-foot buffer \*

**SITE AND LOCATION**

Site \*    Is the entire site in the CSS? \*    In which portion of the CSS is the project located? \*

123456 Test Street NE    Yes    Tunnel

Look up CSS/MS4 areas at <https://dcqa.maps.arcgis.com/apps/webappviewer/index.html?id=0bdc0de685fa4329abc17a9ea1602412>

Major drainage area \*    Minor Drainage Area \*

Anacostia    Anacostia River

**LAND COVER**

Enter the number of square feet of each land cover type in the project area. Enter the post-project and pre-project area (proposed and existing conditions). Do not enter any areas that are not being disturbed.

Natural land cover: Undisturbed area such as forest, meadow, or pasture.  
Compacted land cover: Includes landscaped planting beds, lawns, and managed turf.  
Impervious land cover: Roof, patio, deck, parking, sidewalk, driveway, etc. Impervious land cover does not include BMP surface area.  
BMP land cover: Surface area of green infrastructure practices such as green roofs, bioretention, or permeable pavement.

For example a residential property that will have a new parking pad built on what is currently a grassy area might have 200 square feet of pre-project compacted cover and 200 square feet of pre-project impervious cover.

Enter the limit of disturbance for your project, including public and private space. Only include areas that are disturbed as part of this project.

I understand that when I provide the pre and post project square footage values, I should only enter the disturbed area, not the entire property.\*  
 I have read the definitions of the four land cover types.\*

Total post project area (square feet)	Natural	Compacted	Impervious	BMP
100			100	
Total pre project area (square feet)	Natural	Compacted	Impervious	BMP
100		100		



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## LAND COVER

Enter the number of square feet of each land cover type in the project area. Enter the post-project and pre-project area (proposed and existing conditions).

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**Compacted land cover:** Includes landscaped planting beds, lawns, and managed turf.

**Impervious land cover:** Roof, patio, deck, parking, sidewalk, driveway, etc. Impervious land cover does not include BMP surface area.

**BMP land cover:** Surface area of green infrastructure practices such as green roofs, bioretention, or permeable pavement.

For example, a residential property that will have a new parking pad built on what is currently a grassy area might have 200 square feet of pre-project compacted cover and 200 square feet of pre-project impervious cover.

Enter the limit of disturbance for your project, including public and private space. Only include areas that are disturbed as part of this project.

Total post project area (square feet)	3500	<input type="text"/>	<input type="text"/>	<input type="text" value="3500"/>	<input type="text"/>
		Natural	Compacted	Impervious	BMP
Total pre project area (square feet)	3500	<input type="text"/>	<input type="text" value="3500"/>	<input type="text"/>	<input type="text"/>
		Natural	Compacted	Impervious	BMP

## PROJECT DESCRIPTION

Project Name:

Property Class:

Total cost of construction:

Submission Type:

Project Description (max 250 characters):

Is there a building repair, alteration, addition, or improvement?\*:

Cost of building repair, alteration, addition, or improvement\*:

Building footprint\*:  Assessed building value: \$158,739,100.00

Volume of cut (cubic yards):

Volume of fill (cubic yards):

# Additional Information

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To access DOEE's Surface and Groundwater System:

[doee.dc.gov/sgs](https://doee.dc.gov/sgs)

For DOEE's stormwater management regulations and

related information: [doee.dc.gov/swregs](https://doee.dc.gov/swregs)