

PERMIT COMPLIANCE

Private Stormwater Management Facility Inspection and Maintenance Plan

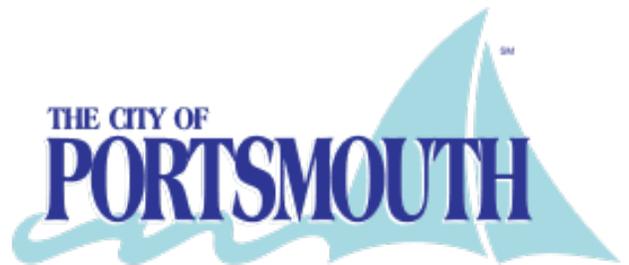
Prepared for

City of Portsmouth

June 22, 2017



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Acronyms and Abbreviations

BMP	best management practices
City	City of Portsmouth
DEQ	Virginia Department of Environmental Quality
ID	identification
MS4	Municipal Separate Storm Sewer System
SWMF	Stormwater Management Facility
VSMP	Virginia Stormwater Management Program

Inspection Plan

This document describes the recommended inspection and maintenance policy for the City of Portsmouth's (City's) privately-maintained stormwater management facilities (SWMFs). To comply with state regulations including the Municipal Separate Storm Sewer System (MS4) permit from the Virginia Department of Environmental Quality (DEQ), the City administers the Virginia Stormwater Management Program (VSMP). The VSMP and MS4 permit are regulated and authorized by the federal Clean Water Act. Keeping existing and future privately-maintained SWMFs well maintained is critical in achieving water quality requirements in accordance with the City's MS4 Permit. SWMFs are constructed to address the stormwater impacts of development and to control and manage runoff quantity, reducing the risk of flooding and erosion to downstream areas. SWMFs are also used to improve runoff quality by treating the stormwater flowing into them during a storm. By reducing the amount of pollutants entering the City's storm sewer system, SWMFs help to maintain the Elizabeth River and the Chesapeake Bay water quality. The MS4 permit requires the City to complete the following actions for privately-maintained SWMFs:

- Inspect all privately-maintained facilities with maintenance agreements no less than once per 5-year permit cycle and perform follow-up activities to ensure the required maintenance has been completed.
- Prepare draft procedures and policies within 12 months of MS4 permit issuance to ensure that inspection and maintenance of privately-maintained SWMFs without maintenance agreements are being conducted.
- Test the policies within 15 months of permit issuance and modify and finalize the policies within 36 months of permit issuance.

Section 1 of this document summarizes the three components of the privately-maintained SWMF inspection program. Section 2 of this document is a pilot program that the City can use to test the recommended inspection and maintenance policies and procedures.

1.1 Privately Maintained Stormwater Management Facilities

SWMFs are considered "public" if they are owned and maintained by the City. SWMFs are considered "private" if they are not maintained by the City and are typically not owned by the City. Some privately-maintained SWMFs are owned and maintained by public entities, such as the SWMFs located at the Hampton Roads Regional Jail.

1.1.1 Maintenance Agreements

The City executes maintenance agreements with the owners of privately-maintained SWMFs to ensure proper maintenance and inspection of the SWMFs in order to comply with Part I Section B.2.h.2 of the MS4 permit. There are 380 SWMFs listed in the City's SWMF inventory database and 300 of them are privately maintained. While the Department of Public Works does not have a copy of all previously executed, privately-maintained SWMF maintenance agreements, City staff are actively working to obtain maintenance agreements and site plans for privately-maintained SWMFs without maintenance agreements.

Maintenance agreements have never been executed for some of the SWMFs. The City will still be required to ensure that maintenance and inspections are being performed at these SWMFs regardless of maintenance agreement status, per Part I Section B.2.h.2.a.3 of the MS4 permit. More information on the City's maintenance agreements can be found in Appendix A

1.1.2 Inspection and Maintenance Procedures

SWMF owners should annually inspect and provide maintenance as needed for the SWMFs. The City must assess the maintenance and upkeep of each privately-maintained SWMF once every 5 years to ensure it is in accordance with the original approved design and that it is being adequately maintained. State-certified city inspectors will document inspection assessments using a standard city inspection form.

The City's inspection and summary report are performed at no cost to the SWMF owner. The owner is responsible for correcting any identified deficiencies, whether the owner has or does not have a maintenance agreement with the City. Owners will be given 90 days to correct deficiencies and notify the City of completion OR contact the Stormwater Compliance Division to develop a plan of action. Failure to correct the deficiencies may result in the privately-maintained SWMF owner receiving a notice of violation and facing potential legal action. More information on the inspection and maintenance procedures can be found in Appendix B.

1.1.3 Inspection Schedule

A prioritized inspection schedule was created to ensure that all 300 privately-maintained SWMFs will get inspected within the required 5-year period. The prioritization will also ensure that at-risk SWMFs will receive inspections earlier in the 5-year inspection cycle. Information about the prioritized inspection schedule is provided in Appendix C.

1.1.4 Policy for Privately Maintained Stormwater Management Facilities without Maintenance Agreements

The City's MS4 permit requires the City to have a program to "ensure proper maintenance of each privately maintained stormwater management facility that discharges into the MS4 system." The permit subdivides privately-maintained SWMFs (also known as structural best management practices [BMPs]) into those with maintenance agreements and those without maintenance agreements. All privately-maintained SWMFs will be included in the inspection program whether or not there is a maintenance agreement in place, and the City will coordinate access with the property owner on an individual basis. The City should attempt to have owners of privately-maintained SWMFs without maintenance agreements sign a maintenance agreement. New or updated maintenance agreements will be required in the case of improvement or redevelopment of a privately-maintained SWMF.

Outreach material has been developed for owners of privately-maintained SWMFs. This material, primarily in the form of letters, educates owners about the MS4 program requirements as well as the specific maintenance requirements for their facility. There is also an inspection form that will allow the owner to perform and document SWMF inspections, which should be performed at a minimum of annually. The owner outreach material is provided in Appendix D.

In the case of SWMFs on residential lots, the City will coordinate with the property owner to obtain access for inspections. The City will not require the owner to be present at the inspection, but it is recommended.

A potential limitation to the program is the legal authority for enforcement procedures for SWMFs without maintenance agreements. The City will need to develop a policy for addressing when the owner of a privately-maintained SWMF without a maintenance agreement fails to maintain the SWMF and they will discuss options with the City Attorney.

Pilot Program for Privately Maintained Stormwater Management Facilities without Maintenance Agreements

A pilot program has been developed to test the inspection plan for privately-maintained SWMFs without maintenance agreements per Part I Section B.2.h.2)(a)(3)(ii) of the City's MS4 permit. The pilot program should be implemented no later than October 1, 2017, to be compliant with the City's MS4 permit that states the City will implement the draft policies and procedures within 15 months after the permit effective date. The pilot program includes 30 SWMFs and will test the proposed methods for implementation and tracking results.

2.1 Outreach

The City should notify the owners of privately-maintained SWMFs before implementing the inspections and also provide information to help educate them about the SWMF inspection program and maintenance requirements. The letters to be sent to the owners of privately-maintained SWMFs before implementing the pilot program inspections are listed in Table 1.

Table 1. Pre Inspection Private Stormwater Management Facility Owner Outreach Documents

Description	Sent
Introduction to inspection program	At initiation
Inspection forms	At initiation
Owner notification of maintenance responsibility	At initiation
Notification of inspection	2 weeks prior to inspection

For SWMFs that are installed on residential lots, the City will contact the owner to coordinate a date for inspection and access to the facility. The City will provide City staff contact information for the owner to schedule an appointment in the initial letter and will follow up as necessary to schedule the inspection.

For SWMFs that are not located on residential lots, the City will provide a date and a window of time that the inspection will occur. The owner may choose to contact the City to reschedule if they wish to be present, but it will not be required. The City will attempt to contact the owner if there is no response from the first letter, but will proceed with the inspection. If the SWMF is not accessible, City staff will contact the owner about providing access.

2.2 Inspection

The City personnel or City-authorized representative (inspector) who will inspect the SWMFs must be certified by the state. The inspection will consist of taking notes on field conditions and taking photos of important features as well as deficiencies, if applicable. The inspector will compare the in-field conditions with the original SWMF design and as-built drawings (if available and applicable) and document the observed conditions of the SWMF. The inspector will create an inspection report of the facility's maintenance requirements based on the inspection checklist provided in Appendix B. If the SWMF owner is not present during the inspection, the inspector will leave a notification for the SWMF owner that the inspection is completed.

2.3 Follow-up Activities

The inspector will write the inspection report and send it to the owner within 1 month of the inspection. The owner will have 90 days to correct any deficiencies that were found and send proof of the corrections to the City. The City will perform a follow-up inspection for facilities where the SWMF owner does not respond within 90 days of receiving the inspection report. The City will also perform follow-up inspections for any facilities that had numerous deficiencies or that had structural damage. The documents that will be sent to the SWMF owner following the inspections are provided in Table 2.

Table 2. Post Inspection Private Stormwater Management Facility Owner Outreach Documents

Description	Sent
Inspection results	Within 1 month of inspection
Inspection results reminder letter	90 days after inspection results letter (when required)
Warning letter	120 days after inspection results letter (when required)
Notice of Violation	150 days after inspection results letter (when required)

No corrective actions or maintenance will be performed by the City. All repairs will be made by the owner or their authorized representative.

2.4 Information Management Recommendations

Private SWMF inspections can be tracked in a master MS4 Access database. The following tables can be created and each table needs to have a unique identifier to allow for joining with the SWMF facility database:

- Private SWMFs – listing of all known private SWMFs and the data associated with them (such as address and contact information); unique identification (ID) = Permit #
- Inspection Activity – each inspection parameter should be included in this table with the ability to enter in inspection observations; unique ID = auto-generated number
- Correspondence – track any correspondence between Portsmouth and a private SWMF owner including, but not limited to correspondence such as mailings sent out and phone or email conversations; unique ID = auto-generated number

Reports should be created to easily view upcoming work activities. Examples of reports that should be created include:

- SWMFs that are due for an inspection
- SWMFs that are due for a follow-up inspection

2.5 Next Steps

After the pilot program has been implemented, the City will need to revise their inspection procedures to incorporate any lessons learned. The lessons learned may include items such as the schedule for sending owner outreach material and follow-up activities to address deficiencies. The City will finalize any modifications to the draft policy and procedures for the inspection of privately-maintained SWMFs no later than 36 month after the effective date of the permit. This finalization will include potentially-codifying some of the policy to ensure adequate authority for enforcement.

Appendix A
Private Stormwater Management
Facility Maintenance Agreement
Summary

Stormwater Management Facility Maintenance Agreement Summary

The purpose of this technical memorandum is to summarize the findings of the desktop investigation of the City of Portsmouth stormwater management facilities (SWMFs) maintenance agreements. SWMFs are structural best management practices that help to control the quantity and/or the quality of stormwater runoff. The City of Portsmouth executes maintenance agreements with the owners of privately maintained SWMFs to ensure proper maintenance and inspection of the SWMFs in order to comply with Part I Section B.2.h.2 of the Municipal Separate Storm Sewer System (MS4) Permit No. VA0088668. The current SWMF inventory database is maintained by the City and a copy of it is provided in Attachment A. This memorandum describes the historical background of the maintenance agreement, the associated maintenance agreement responsibilities, and statistics regarding SWMFs.

Maintenance Agreement Historical Background

The earliest SWMF maintenance agreement was recorded in November 1995. The early maintenance agreements were titled “Declaration of Covenants for Storm and Surface Water Facility and System Maintenance” and used the wording “perpetually maintain” to describe the maintenance schedule. An example of this agreement is provided in Attachment B. This agreement format was used until approximately 2003, when the maintenance agreements became required for all SWMFs and the agreement required the owner to provide a maintenance schedule on the SWMF site plan. The agreements executed in 2003 and later are titled “Stormwater Management Facilities Agreement” and reference the maintenance schedule included in the SWMF site plans. The maintenance agreement requirement was not always applied consistently to privately maintained SWMFs.

An example of the post-2003 maintenance agreement is provided in Attachment C. In 2007 to 2008, the maintenance agreement text was modified slightly, but continued to reference the SWMF site plans for the maintenance schedule. The current SWMF agreement is provided in Attachment D.

Roles and Responsibilities

SWMFs are considered “public” if they are owned and maintained by the City. SWMFs are considered “private” if they are not maintained by the City and they are usually not owned by the City either. Some privately maintained SWMFs are owned and maintained by public entities, such as the SWMFs at the Hampton Roads Regional Jail. The City decided to use maintenance agreements to ensure the maintenance and inspection of privately maintained SWMFs and the City will be required to ensure that maintenance agreements are being signed for new privately maintained SWMFs and that owners are adhering to the requirements of their agreements, per Part I Section B.h.2)(a) of the MS4 permit. The City will also need to inspect each privately owned and maintained SWMFs no less than once per 5 years and conduct follow up activities to ensure the required maintenance has been completed.

Status of Maintenance Agreements

There are 380 SWMFs listed in the City’s SWMF inventory database and 300 of them are privately maintained. The Department of Public Works does not have a copy of all the privately maintained SWMF maintenance agreements and City staff are trying to obtain maintenance agreements and site plans for privately owned SWMFs. In 2003, 2004, 2007, and 2013, 50 percent or less of the private SWMF maintenance agreements were signed, see Figure 1. There are 90 SWMFs with unknown

installation dates that do not have maintenance agreements and are not represented in the statistics shown in Figure 1.

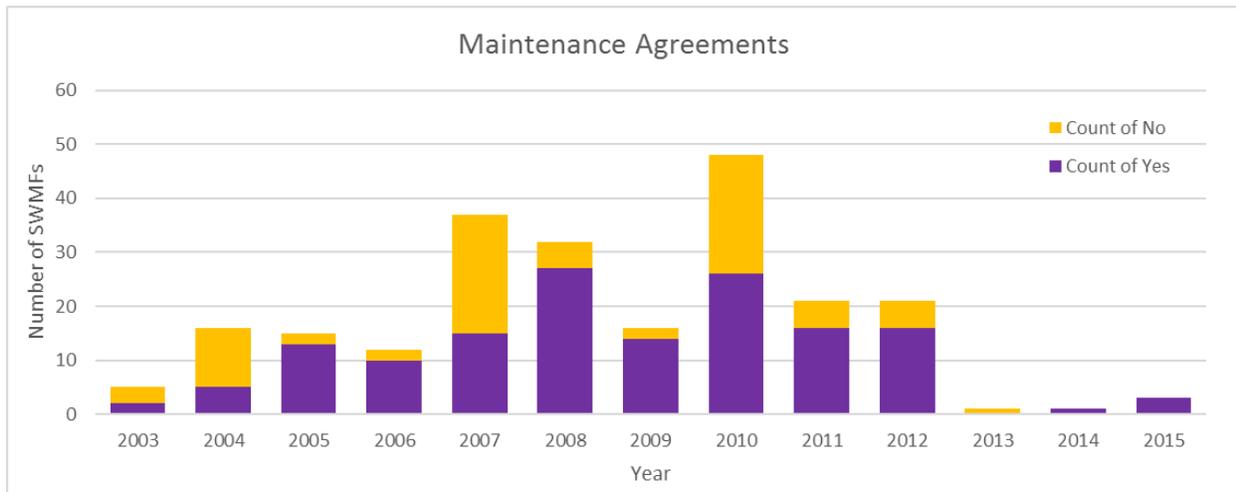


Figure 1. Number of Maintenance Agreements for SWMFs

Starting in 2003, when maintenance agreements became required, the graph shows the number of SWMFs installed by year and how many had maintenance agreements.

Types of SWMFs

There are 380 SWMFs listed in the City’s SWMF inventory database, including the facilities that only manage stormwater quantity. The inventory consists of 24 SWMFs that are publicly maintained, 306 that are privately maintained, see Table 1. Of the private SWMFs, there are more than 28 types of SWMFs including permeable surfaces, detention, infiltration basins, and proprietary SWMFs. Approximately 40% of the privately owned SWMFs do not have recorded maintenance agreements. There are also 38 single family homes that have water quality features on their property, such as vegetative buffers and mulch beds. These features do not treat water quantity and were not built according to the Virginia Stormwater Management Handbook design specification standards. Approximately 45% of single family homes do not have maintenance agreements. Portsmouth staff are investigating SWMFs to verify their existence and obtain a copy of the maintenance agreement, if appropriate.

Maintenance Agreements	Private	Schools	Public	Single Family
Yes	120	37	0 ^a	21
No	186	0	24	17
Total	306	37	24	38

^aPublicly maintained SWMFs do not require maintenance agreements

Schools

Before 2015, schools and SWMFs located on school property were owned and maintained by the City of Portsmouth School Board, but became the responsibility of the City of Portsmouth when the Memorandum of Understanding expired. All of the 37 SWMFs located on four different school campuses have signed maintenance agreements, however, there is one SWMF, a detention area, located at I.C. Norcom that was not included in the City’s database and it is unknown if it has a maintenance agreement. Table 2 shows the variety of SWMFs installed at the schools in the City.

Table 2. Number of SWMFs by Type at Public Schools

SWMF Type	Number of SWMFs
Bioretention basin	11
Extended detention	3
Proprietary	4
Green Roof	1
Hydrodynamic Separator	2
Porous Surface	16
Underground detention	1
Totals	37

Single Family Homes

During the desktop investigation conducted by CH2M, 38 single family homes were found to have water quality features on their property and 21 of them had maintenance agreements. It appears that the majority of the water quality features were installed to meet Chesapeake Bay Preservation Area requirements and consist of dry wells, grass filter strips, mulch beds, and shrub plantings.

Two of the single-family homes appear to have SWMFs designed to treat water quality and quantity: a grass swale and a “septic tank/infiltration” system. CH2M excluded any single-family home SWMFs from being considered to treat water quality if the SWMF was built before 1999 when the Virginia Stormwater Management Handbook was published to provide SWMF design guidance. There are also six homes that have infiltration trench planting beds that may require further investigation to determine if they are SWMFs designed to treat runoff for quality and were built according to the Virginia Stormwater Management Handbook design specification standards. See Attachment E for the list of the single-family homes with water quality features. The SWMFs that are determined to treat stormwater for quality, will need to be inspected by the City per the frequency outlined in Part I Section B.2.h.2 of the City’s permit. Portsmouth staff are investigating single family home SWMFs and attempting to obtain copies of the maintenance agreements. None of the single-family homes with water quality features are currently included in the City’s SWMF inventory database.

Summary

In summary, the City will need to continue investigating SWMFs to determine if maintenance agreements were previously executed. They will also need to continue their current maintenance agreement program to ensure that owners of privately owned SWMFs are adhering to their agreements for maintenance and inspections in order to comply with Part I Section B.2.h.2 of the MS4 permit. For a more cohesive program, CH2M recommends that the maintenance agreement document should require the property owner to inspect their SWMF per the site plan with a minimum yearly inspection and annual inspection report submittal. Asking for an annual report will also provide consistency with the program to inspect the publicly owned SWMFs. The City should also include a copy of the maintenance plan with the agreement so that it is easier for the City to access the information. The frequency of inspections needed for a SWMF may vary by the type of SWMF. Standard inspection schedules by type of SWMF can be found in the Virginia Stormwater Best Management Practice Clearinghouse design specifications.

Attachment A
Stormwater Management Facility
Database

BMP Database

Address	BMP Type	File Number	Number of BMPs	Site Plan	Maintenance Responsibility	Maintenance Agreement
260 Elm Ave	Extended detention	B0601	1	Parkview Elementary School	Other	Yes
132 Byers Ave	Bioretention basin	B0901	1	Simonsdale Elementary bmp #1	Other	Yes
132 Byers Ave	Bioretention basin	B0901	1	Simonsdale Elementary bmp #5	Other	Yes
132 Byers Ave	Bioretention basin	B0901	1	Simonsdale Elementary bmp #4	Other	Yes
132 Byers Ave	Bioretention basin	B0901	1	Simonsdale Elementary bmp #3	Other	Yes
132 Byers Ave	Bioretention basin	B0901	1	Simonsdale Elementary bmp #2	Other	Yes
132 Byers Ave	Green Roof	B0901	1	Simonsdale Elementary bmp #7	Other	Yes
132 Byers Ave	Permeable Pavers	B0901	1	Simonsdale Elementary bmp #8	Other	Yes
132 Byers Ave	Permeable Pavers	B0901	1	Simonsdale Elementary bmp #8	Other	Yes
132 Byers Ave	Permeable Pavers	B0901	1	Simonsdale Elementary bmp #8	Other	Yes
132 Byers Ave	Permeable Pavers	B0901	1	Simonsdale Elementary bmp #8	Other	Yes
132 Byers Ave	Stormceptor	B0901	1	Simonsdale Elementary bmp #6	Other	Yes
5700 Hedgerow Lane	Filtterra	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Filtterra	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Filtterra	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Hydrodynamic Separator	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Hydrodynamic Separator	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
5700 Hedgerow Lane	Pervious Concrete	B1001	1	Addition/Renovation to Churchland Primary/Intermediate	Other	Yes
1401 Crawford Pkwy	Extended detention	PF0803	1	Park View Elem Parking Addition	Other	Yes
18 Dahlgren Ave	Bioretention basin	PF0903	1	James Hurst Parking Lot Addition phase 2 bmp #3	Other	Yes
18 Dahlgren Ave	Bioretention basin	PF0903	1	James Hurst Parking Lot Addition phase 2 bmp #5	Other	Yes
18 Dahlgren Ave	Bioretention basin	PF0903	1	James Hurst Parking Lot Addition phase 2 bmp #6	Other	Yes
18 Dahlgren Ave	Bioretention basin	PF0903	1	James Hurst Parking Lot Addition phase 2 bmp #4	Other	Yes
18 Dahlgren Ave	Bioretention basin	PF0903	1	James Hurst Parking Lot Addition phase 2 bmp #2	Other	Yes
18 Dahlgren Ave	Bioretention basin	PF0903	1	James Hurst Parking Lot Addition phase 2 bmp #1	Other	Yes
5601 Michael Lane	Underground detention	PF1102	1	Churchland Elementary Addition	Other	Yes
2690 Elmhurst Lane	Wet pond	B8801 1	1	Hampton Roads Regional Jail	Private	No
2690 Elmhurst Lane	Wet pond	B8801 2	1	Hampton Roads Regional Jail	Private	No
2690 Elmhurst Lane	Wet pond	B8801 3	1	Hampton Roads Regional Jail	Private	No
3305 Airline Blvd	Dry pond	C0015	1	Social Security Admin	Private	No
20 Elm Avenue	Infiltration	C0129	1	Parkview Boat (Portsmouth Yach	Private	No
1218 Cavalier Blvd.	Dry pond	C9917	1	Teddy Bear Learning Center	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #1	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #2	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #3	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #4	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #5	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #6	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #7	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #8	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp #9	1	Mt. Sinai Annex	Private	No
2603 Chestnut Street	Infiltration	C0010 bmp#10	1	Mt. Sinai Annex	Private	No
1428 Effingham Street	Infiltration	C0012	1	Citgo	Private	No
900 Portcentre Parkway	Wet pond	C0023	2	Design Assistance Const. Syste	Private	No
900 Portcentre Parkway	Wet pond	C0023	2	Design Assistance Const. Syste	Private	No
2707 Smithfield Road	Wet pond	C0025	1	Cinta's Corp	Private	No
606 Chautauqua Ave.	Dry pond	C0113	1	Attel Switch Facilities	Private	No
627 King Street	Underground detention	C0114	1	Cheshire Grill Parking	Private	No
1020 London Blvd	Dry pond	C0117	1	Popeye's-London Blvd	Private	No
5105 George Washington Hwy	Dry pond	C0118	1	Rally's	Private	No
5105 George Washington Hwy	Dry pond	C0118	1	Rally's	Private	No
6224 Portsmouth Blvd	Dry pond	C0122	1	Steven Lang Office	Private	No
624 Dunedin Road	Swale	C0204	1	Brickcraft Masonry Office	Private	No
901 Portcentre	Dry pond	C0205	1	Portcentre Office/Warehouse	Private	No
1221 London Blvd	Dry pond	C0207	1	Plasmacare	Private	No
3310 Deep Creek Blvd	Dry pond	C0208	1	Mt. Carmel Baptist Church	Private	No
30 Claremont Dr	Dry pond	C0214	1	Miracle of Faith Church	Private	No
2001 Queen Street	Dry pond	C0215	1	Empowerment 2010	Private	No
2655 Elmhurst Lane	Dry pond	C0302	1	Southeastern Freight Co.	Private	No
2655 Elmhurst Lane	Swale	C0302	1	Southeastern Freight Co.	Private	No
2655 Elmhurst Lane	Swale	C0302	1	Southeastern Freight Co.	Private	No
702 5th Street	Wet pond	C0304	1	Wright's Engineering & Design	Private	No
711 Portcentre Parkway	Swale	C0305	1	Excellent comm Cleaners	Private	No

BMP Database

Address	BMP Type	File Number	Number of BMPs	Site Plan	Maintenance Responsibility	Maintenance Agreement
3116 Tyre Neck Road	Dry pond	C9612	1	Dr. Dodson et al- lot B-1	Private	No
6400 Bickford Pkwy	Dry pond	C9615	1	Dept. of Motor Vehicles Bldg	Private	No
3300 Academy Avenue	Dry pond	C9618	1	Rite Aid #4261	Private	No
2600 Airline Blvd	Dry pond	C9629	2	Lindad, Inc	Private	No
1 Bon Secours Way	Dry pond	C9704	1	Life Care Assisted Living Faci	Private	No
2401 Wesley Street	Dry pond	C9706	1	Western Branch Metals	Private	No
4916 West Norfolk Road	Swale	C9713	1	Churchland House	Private	No
435 Washington St	Swale	C9716	1	Monumental United Methodist Ch	Private	No
1926 High Street	Dry pond	C9718	1	Foster Funeral Home Parking Lo	Private	No
2430 Graham Street	Infiltration	C9734	1	Trinity Temple Church	Private	No
3100 Frederick Blvd	Swale	C9804	1	Superior Marble & Stone Expans	Private	No
1400 Rodman Avenue	Dry pond	C9809	1	Grove Park Baptist Church	Private	No
2714 Frederick Boulevard	Dry pond	C9810	2	ST. Mark's Missionary Baptist	Private	No
2714 Frederick Boulevard	Dry pond	C9810	2	ST. Mark's Missionary Baptist	Private	No
701 PortCentre Parkway	Dry pond	C9813	1	Mid-Atlantic Bell-Com	Private	No
701 PortCentre Parkway	Swale	C9813	1	Mid-Atlantic Bell-Com	Private	No
3212 Elliot Avenue	Dry pond	C9816	1	Portsmouth Christian Scho	Private	No
926 Cherokee Rd	Infiltration	C9823	1	West Park Church of God	Private	No
600 Port Centre Parkway	Dry pond	C9829	1	Carolina Fire Control	Private	No
600 Port Centre Parkway	Dry pond	C9829	1	Carolina Fire Control	Private	No
548 Virginia Avenue	Dry pond	C9913	1	Portsmouth metal Stamping, Imc	Private	No
6 Harpers Ave.	Wet pond	C9914	1	SCI-Pinners Point Rail Loading	Private	No
4021 Seaboard Court	Dry pond	C9916	1	Waverton Associates, Inc.	Private	No
4021 Seaboard Court	Dry pond	C9916	1	Waverton Associates, Inc.	Private	No
3401 Airline Blvd.	Dry pond	C9922	2	Sign Shop and Mini Storage	Private	No
3401 Airline Blvd.	Wet pond	C9922	2	Sign Shop and Mini Storage	Private	No
1 Centre Port Cir	Wet pond	M9402	1	CENTRE PORT1	Private	No
2304 Victory Boulevard	Dry pond	M9601	1	VILLAGE APARTMENTS	Private	No
2 Creekside Ct	Wet pond	M9602	1	Egrets Cove	Private	No
3622 Tejo Lane	Dry pond	M9603	3	ARBOUR REACH APARTMENTS	Private	No
3622 Tejo Lane	Dry pond	M9603	3	ARBOUR REACH APARTMENTS	Private	No
3622 Tejo Lane	Dry pond	M9603	3	ARBOUR REACH APARTMENTS	Private	No
3162 Sterling	Dry pond	M9702	3	STERLING COVE	Private	No
4517 Deep Creek Blvd	Dry pond	M9703	1	DEEP CREEK VILLAGE	Private	No
301 Green St	Other	MO401	1	The Heights at Olde Towne	Private	No
301 Green St	Other	MO401	1	The Heights at Olde Towne	Private	No
301 Green St	Other	MO401	1	The Heights at Olde Towne	Private	No
1 Riverpointe Lane	Wet pond	S0101	1	RIVERPOINTE SECTION 5	Private	No
6 Waterview Ct	Wet pond	S0301	1	ESTATES AT RIVERPOINTE	Private	No
1 Guardhouse Way	Wet pond	S0302	1	Villas River point	Private	No
3186 Greenwood Dr	Wet pond	S0502	1	Newport Subdiv Phase 1B, Sections	Private	No
2749 Greenwood Dr.	Wet pond	S0601	1	Newport Phase 1B, Section 2	Private	No
129 Morningside Dr	Wet pond	S0701 bmp 1	1	New Gosport Portsmouth MN - Navy Housing	Private	No
129 Morningside Dr	Wet pond	S0701 bmp 2	1	New Gosport Portsmouth MN - Navy Housing	Private	No
129 Morningside Dr	Wet pond	S0701 bmp 3	1	New Gosport Portsmouth MN - Navy Housing	Private	No
129 Morningside Dr	Wet pond	S0701 bmp 4	1	New Gosport Portsmouth MN - Navy Housing	Private	No
0 West Norfolk Road	Wet pond	S0702	1	First Watch At River Pointe	Private	No
3812 Falling River Reach River Point Road	Wet pond	S9401	1	The Pointe at River Point	Private	No
3801 Mariner Ave	Dry pond	S9921	1	MARINER AVE	Private	No
3801 Mariner Ave	Dry pond	S9921	1	MARINER AVE	Private	No
3801 Mariner Ave	Dry pond	S9921	1	MARINER AVE	Private	No
202 Seventh St	Wet pond	SEVENTH ST	1	0 SEVENTH ST	Private	No
2001 Laigh Rd	Extended detention	C0318	1	American Funeral Supplies	Private	Yes
3400 Western Branch Blvd	Dry pond	C0322	1	WAWA Portsmouth	Private	Yes
4916 West Norfolk Rd	Extended detention	C0404	1	Churchland House Addition	Private	Yes
4916 West Norfolk Rd	Extended detention	C0404	1	Churchland House Addition	Private	Yes
2219 Frederick Blvd	Wet pond	C0411	1	Bayside Harley Davidson	Private	Yes
3712 Adams Street	Infiltration	C0426	1	Flint Contracting - Office Trailers &	Private	Yes
2503 Woodrow St.	Dry pond	C0432	1	Woodrow Street Office/Warehouse	Private	Yes
100 Noble St.	Dry pond	C0433	1	Building Addition for Noble Street Bapt	Private	Yes
3728 Centenary RD	Swale	C0434	1	Churchland North Baptist Church	Private	Yes
3325 Frederick Blvd.	Dry pond	C0435	1	Benedetto Office/Warehouse	Private	Yes
801 Victory Blvd.	Extended detention	C0505	1	Beach Marine Services	Private	Yes
4701 Wyatt Dr	Wet pond	C0507	2	APM Marine Container Terminal - Yard Si	Private	Yes
4701 Wyatt Dr	Wet pond	C0507	2	APM Marine Container Terminal - Yard Si	Private	Yes
4025 Seaboard Court	Underground detention	C0515	1	Warehouse Facility - Greenwood Industri	Private	Yes
800 Portcentre Pkwy.	Bioretention basin	C0518	1	Dow Construction Office/ Warehouse	Private	Yes
800 Portcentre Pkwy.	Bioretention basin	C0518	1	Dow Construction Office/ Warehouse	Private	Yes
800 Portcentre Pkwy.	Bioretention basin	C0518	1	Dow Construction Office/ Warehouse	Private	Yes
926 Cherokee Rd	Dry pond	C0522	1	West Park Church of Christ Addition	Private	Yes
3310 Deep Creek Blvd	Dry pond	C0523	1	Parking Lot Expansion for Mt. Carmel Ba	Private	Yes
3310 Deep Creek Blvd	Dry pond	C0523	1	Parking Lot Expansion for Mt. Carmel Ba	Private	Yes
4244 & 4246 Portsmouth Blvd.	Dry pond	C0525	1	Tire Center	Private	Yes
3615 Victory Boulevard	Dry pond	C0530	1	Bishop Madison Building	Private	Yes
3615 Victory Boulevard	Dry pond	C0530	1	Bishop Madison Building	Private	Yes

BMP Database

Address	BMP Type	File Number	Number of BMPs	Site Plan	Maintenance Responsibility	Maintenance Agreement
3204 Tyre Neck Road	Dry pond	C0536	1	Cleanarama Cleaners	Private	Yes
4900 High St W	Dry pond	C0538	2	YMCA Improvements	Private	Yes
4900 High St W	Dry pond	C0538	2	YMCA Improvements	Private	Yes
3600 Bamboo Road	Sand filtration	C0606	1	New Berean Baptist Church Addition	Private	Yes
4005 Victory Blvd	Wet pond	C0611	1	WAWA (VICTORY/ELMHURST)	Private	Yes
2917 Queen St	Dry pond	C0620	1	Parking lot expanding fo Mount Hermon Baptist Church	Private	Yes
3708 Adam Street	Filtrerra	C0636	1	Adam Street Warehouse (Phase 2)	Private	Yes
3708 Adam Street	Filtrerra	C0636	1	Adam Street Warehouse (Phase 2)	Private	Yes
3708 Adam Street	Swale	C0636	1	Adam Street Warehouse (Phase 2)	Private	Yes
3708 Adam Street	Swale	C0636	1	Adam Street Warehouse (Phase 2)	Private	Yes
3505 Tyre Neck Rd	Bioretention basin	C0638	1	E & S Plan for 3505 Tyre Neck Rd	Private	Yes
3505 Tyre Neck Rd	Bioretention basin	C0638	1	E & S Plan for 3505 Tyre Neck Rd	Private	Yes
3300 AIRLINE BLVD	Wet pond	C0643	1	Syke's Truck Center	Private	Yes
2401 Turnpike Road	Dry pond	C0647	1	Woodfin Oil Watchcard Site	Private	Yes
500 Lincoln Street	Dry pond	C0706	1	Multi Textile	Private	Yes
700 PortCentre Parkway	Swale	C0707	1	700 PortCentre	Private	Yes
700 PortCentre Parkway	Swale	C0707	1	700 PortCentre	Private	Yes
3927 Victory Blvd	Dry pond	C0708	1	Bojangles	Private	Yes
3120 Tyre Neck Road	Bioretention basin	C0709	1	Communications Tower	Private	Yes
1125 Victory Blvd	Swale	C0710	1	Commercial Ready Mix Products	Private	Yes
1125 Victory Blvd	Wet pond	C0710	1	Commercial Ready Mix Products	Private	Yes
4813 Portsmouth Blvd	Swale	C0717	1	Proposed Office/Shop	Private	Yes
4813 Portsmouth Blvd	Swale	C0717	1	Proposed Office/Shop	Private	Yes
361 Effingham St	Bioretention basin	C0723	1	SB - 361 Effingham St	Private	Yes
900 Portsmouth Blvd	Dry pond	C0727	1	Mt. Sinai Church Addition	Private	Yes
3245 Portsmouth Blvd	Infiltration	C0731	1	KEBCO Construction Enterprises	Private	Yes
3245 Portsmouth Blvd	Underground detention	C0731	1	KEBCO Construction Enterprises	Private	Yes
3245 Portsmouth Blvd	Underground detention	C0731	1	KEBCO Construction Enterprises	Private	Yes
2306 Airline Blvd.	Dry pond	C0732	1	Salvation Army	Private	Yes
3300 Elmhurst Lane	Dry pond	C0734	1	Kalmar Shop Bldg Addition	Private	Yes
3959 Garwood Ave.	Dry pond	C0735	1	Greenwood Dr. Self- Storage	Private	Yes
715 Washington St	Bioretention basin	C0736	1	715, 719 & 723 Washington Street	Private	Yes
719 Washington St	Bioretention basin	C0736	1	715, 719 & 723 Washington Street	Private	Yes
723 Washington St	Bioretention basin	C0736	1	715, 719 & 723 Washington Street	Private	Yes
715 Washington St	Porous concrete	C0736	1	715, 719 & 723 Washington Street	Private	Yes
715 Washington St	Porous concrete	C0736	1	715, 719 & 723 Washington Street	Private	Yes
715 Washington St	Porous concrete	C0736	1	715, 719 & 723 Washington Street	Private	Yes
2716 Airline Blvd	Bioretention basin	C0739	1	McDonald's Restaurant	Private	Yes
620 Lincoln Street	Dry pond	C0745	1	BCR Properties	Private	Yes
403 Rapidan Street	Dry pond	C0809	1	New Testament Baptist Church	Private	Yes
1401 Mascot St	Underground detention	C0810	1	Christian Antioch Community Outreach Church	Private	Yes
2600 Airline Blvd	Permeable Pavers	C0825	1	Cingular Cell Tower	Private	Yes
3801 King Street	Bioretention basin	C0833	1	Advance Funeral Funding - Parking Lot	Private	Yes
3801 King Street	Bioretention basin	C0833	1	Advance Funeral Funding Parking Lot	Private	Yes
4211 County Street	Gravel Trench	C0836	1	Addition to Cottage at Holiday House	Private	Yes
3500 Towne Point Rd	Wet pond	C0905	1	Royal Forms - Towne Point	Private	Yes
1503 London Blvd	Dry pond	C0916	1	London Shops Bldg Expansion	Private	Yes
1746 South St	Filtrerra	C0917	1	Swanson Homes Parking Lot bmp #1	Private	Yes
1746 South St	Underground detention	C0917	1	Swanson Homes Parking Lot bmp #2	Private	Yes
2620 Elmhurst Ln	Dry pond	C0918	1	Canada Co - Bldg Additional	Private	Yes
806 Williamsburg Ave	Detention	C0919	1	Oasis Social Ministry Bldg	Private	Yes
1800 Frederick Blvd.	Underground detention	C1013 bmp#1	1	CVS, Store #4520	Private	Yes
1800 Frederick Blvd.	Stormfilter	C1013 bmp#2	1	CVS, Store # 4520	Private	Yes
1800 Frederick Blvd.	Stormfilter	C1013 bmp#2	1	CVS, Store # 4520	Private	Yes
1800 Frederick Blvd.	Stormfilter	C1013 bmp#2	1	CVS, Store # 4520	Private	Yes
1800 Frederick Blvd.	Stormfilter	C1013 bmp#2	1	CVS, Store # 4520	Private	Yes
742-749 Florida Ave	Dry pond	C1026	1	Tidewater Staffing bmp #1	Private	Yes
742-749 Florida Ave	Dry pond	C1026	1	Tidewater Staffing bmp #2	Private	Yes
2010 Victory Blvd.	Extended detention	C1106	1	Dollar Tree	Private	Yes
103 Cavalier Blvd.	Permeable Pavers	C1107	1	Guiding Light Apostolic Church	Private	Yes
3555 Airline Blvd	Stormfilter	C1114	1	CVS Pharmacy #5501	Private	Yes
4018 Seaboard Court	Wet pond	C1128	1	Office Storage Warehouse	Private	Yes
4018 Seaboard Court	Wet pond	C1128	1	Office Storage Warehouse	Private	Yes
30 Beechdale Commerce Park-Lot	Infiltration	C9514	1	Office/Warehouse for B&R Const	Private	Yes
3400 Glasgow St	Wet pond	M0303	1	Whispering Oaks	Private	Yes
610 Armstrong St	Underground detention	M0602	1	King Square	Private	Yes
610 Godwin St	Underground detention	M0602	1	King Square	Private	Yes
109 Howard Street	Wet pond	M0604	1	Crescent Place Apts	Private	Yes
304 Hatton Street	Bioretention basin	M0701	1	Hatton Street Triplex Townhomes	Private	Yes
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes

BMP Database

Address	BMP Type	File Number	Number of BMPs	Site Plan	Maintenance Responsibility	Maintenance Agreement
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes
1116 County Street	Stormfilter	M0703	1	Phoebus Square Apartments	Private	Yes
1116 County Street	Underground detention	M0703	1	Phoebus Square Apartments	Private	Yes
542 Cherokee Road	Bioretention basin	M0704	1	Belle Hall Apts	Private	Yes
542 Cherokee Road	Bioretention basin	M0704	1	Belle Hall Apts	Private	Yes
542 Cherokee Road	Bioretention basin	M0704	1	Belle Hall Apts	Private	Yes
542 Cherokee Road	Dry pond	M0704	1	Belle Hall Apts	Private	Yes
3401 Turnpike Rd	Wet pond	M0801	1	Hamilton Place Apts - Phase 1	Private	Yes
Elm Av	Dry pond	RW1002	1	South Norfolk Jordan Bridge	Private	Yes
3110 Airline Blvd.	Dry pond	S0304	1	Kings Gate Crossing Subdivision	Private	Yes
417 County St	Swale	C9907	1	Fraternal Order of Police Park	Private	No
417 County St	Swale	C9907	1	Fraternal Order of Police Park	Private	No
601 Portcentre Parkway	Dry pond	C9812	1	Social Services Facility	Private	No
3432 Airline Blvd	Constructed Wetland	C1213	1	Airline Commerce Park	Private	Yes
5908 Hampshire Grn	Wet pond	S9404	1	Bishop's Green Phase 1	Private	No
726 South St	Infiltration	C1019	1	Fourth Baptist Church Addition	Private	Yes
756 South St	Porous pavement	C1019	1	Fourth Baptist Church	Private	Yes
4 Gwaltney Ct	Wet pond	S0201	1	Gwaltney Acres Pond	Private	No
5943 Eagle Pt	Wet pond	S9801	2	Hidden Cove 1	Private	No
5911 Eagle Pt	Wet pond	S9404	1	Bishop's Green Phase 2b (hidden cove 3)	Private	No
5943 Eagle Pt	Wet pond	S9801	2	Hidden Cove 2	Private	No
1301 Frederick Blvd	Wet pond	C1308	1	Kroger	Private	Yes
418 Pennington Blvd	Wet pond	Lake Pam	1	Lake Pam	Private	No
601 Potomac Ave	Wet pond	S9601	1	Lake Shores	Private	No
5225 Amherst Dr	Wet pond	Lake Sweetbriar	1	Sweetbriar (Lake Sweetbriar)	Private	No
3000 Ferguson Dr	Wet pond	Lake Willis	1	Sweetbriar (Lake Willis)	Private	No
3923 Long Point Boulevard	Wet pond	Long Pt Lake	1	Long Point Lake	Private	No
7 River Reach Close	Wet pond	C9405	1	River Pointe Lake	Private	No
5904 Sturbridge Way	Wet pond	S9404	1	Bishop's Green Phase (Stonemill Estates)	Private	No
1139 South St	Wet pond	Westbury1	1	WESTBURY #1	Private	No
1139 South St	Wet pond	Westbury2	1	WESTBURY #2	Private	No
0	0	C9732	0	RADVA Corporation	Private	No
2008 Victory Blvd	Mfg BMP system	C1116 manufactured	1	O' Reilly's Auto Parks	Private	No
801 Victory Blvd	Extended detention	C1204	1	Beach Marine Properties, LLC	Private	No
	Wet pond	RW0804	1	Ebony Heights West PHASE I	Private	No
	Wet pond	RW0804	1	Ebony Heights East PHASE I	Private	No
2008 Victory Blvd	Dry pond	C1116	1	O' Reilly's Auto Parks	Private	Yes
901 Frederick Blvd	Bioretention filter	C1211	1	Chick-Fil-A at Frederick Blvd	Private	Yes
901 Frederick Blvd	Underground detention	C1211	1	Chick-Fil-A at Frederick Blvd	Private	Yes
3601 Victory Bld	Bioretention basin	C1324	1	Royal Farms #205	Private	Yes
3601 Victory Blvd	Filtterra	C1324	1	Royal Farms #205	Private	Yes
3601 Victory Blvd	Filtterra	C1324	1	Royal Farms #205	Private	Yes
4828 Portsmouth Blvd	Pervious Concrete	C1402	1	Smileys Heating and Cooling	Private	Yes
3116 South Street	Filtterra	B1101	1	PRHA Administrative Headquarters	Public	#N/A
1729 Columbus Ave.	Swale	C0121	1	PRHA Warehouse Addition	Public	#N/A
4001 River Shore Rd	Dry pond	9500	1	CHURCHLAND FIRE STATION	Public	#N/A
313 Choate St	Wet pond	B03001	1	Frederick Blvd Booster Pump Station	Public	#N/A
4934 High St. West	Wet pond	B0703	1	Churchland Library	Public	#N/A
1 Bide A Wee Ln	Wet pond	BideAWee 1	1	Bide-A-Wee Pond Hole #1	Public	#N/A
1 Bide A Wee Ln	Wet pond	BideAWee 10	1	Bide-A-Wee Pond Hole #10	Public	#N/A
1 Bide A Wee Ln	Wet pond	BideAWee 11	1	Bide-A-Wee Pond Hole #11	Public	#N/A
1 Bide A Wee Ln	Wet pond	BideAWee 17	1	Bide-A-Wee Pond Hole #17	Public	#N/A
1 Bide A Wee Ln	Wet pond	BideAWee 18	1	Bide-A-Wee Pond Hole #18	Public	#N/A
1 Bide A Wee Ln	Wet pond	BideAWee 3	1	Bide-A-Wee Pond Hole #3	Public	#N/A
1 Bide A Wee Ln	Wet pond	BideAWee 5	1	Bide-A-Wee Pond Hole #5	Public	#N/A
1 Bide A Wee Ln	Wet pond	BideAWee 8	1	Bide-A-Wee Pond Hole #8	Public	#N/A
645 Broad Street	Dry pond	Port Norf Fire	1	Port Norfolk Fire Station	Public	#N/A
Portcentre Parkway	Dry pond	C9701	1	Portcentre Commerce Park	Public	No
1009 Victory Blvd.	Constructed Wetland	C1120	1	Paradise Creek Nature Park	Public	No
1811 King Street	Bioretention basin	B1301	1	Behavioral Health Building BMP #1	Public	No
1811 King Street	Bioretention basin	B1301	1	Behavioral Health Building BMP #2	Public	No
3306 Greenwood Dr	Wet pond	Greenwood A	1	Greenwood Drive B Reg Ret	Public	#N/A
3306 Greenwood Dr	Wet pond	Greenwood A	1	Greenwood Drive A Reg Ret	Public	#N/A
3219 Greenwood Dr	Wet pond	Greenwood B	1	Greenwood Drive D Reg Ret	Public	#N/A
3219 Greenwood DR	Wet pond	Greenwood B	1	Greenwood Drive C Reg Ret	Public	#N/A
0 Wavy St	Wet pond	C9630 1	2	nTelos Building #1	Public	#N/A
415 Portcentre Pkwy	Wet pond	C9630 2	2	nTelos Building #2	Public	#N/A
0 Campus Dr	Wet pond	MF9801	1	Portsmouth Commerce Park	Public	No

Attachment B
Pre-2003 Maintenance Agreement

DECLARATION OF COVENANTS
For Storm and Surface Water
Facility and System Maintenance

This Declaration of Covenants made this 2 day
of MARCH, 1998, by T3L, L.L.C.
hereinafter referred to as "COVENANTOR", to and for the
benefit of the City of Portsmouth, Virginia and its
successors and assigns, hereinafter referred to as "CITY".

W I T N E S S E T H:

WHEREAS, the City is authorized and required to
regulate and control the disposition of storm and surface
waters within certain designated Chesapeake Bay
Preservation Areas under the provisions of Sections 9.1-1,
et seq., of the Code of the City of Portsmouth, Virginia,
1988, as amended; and

WHEREAS, the installation of a storm and surface water
management facility and system, including vegetated filter
buffer areas, may be required by the City of a property
owner or developer in order to comply with said Code
provisions; and

WHEREAS, Covenantor is the owner of a certain tract or
parcel of land more particularly described as:

Tax Plate 44, Parcel 2
Lots 206 and 207
Park View Subdivision

and;

WHEREAS, Covenantor desires to construct certain improvements on its property which will alter existing storm and surface water conditions on both the property and adjacent lands; and

WHEREAS, in order to accommodate and regulate these anticipated changes in existing storm and surface water flow conditions, Covenantor desires to build, install, and maintain at its expense, a storm and surface water management facility, hereinafter referred to as the "Facility" and more particularly described and shown on plans entitled Site Plan of Lots 206 and 207 Resubdivision of Park View for Cooper Co., Portsmouth, Virginia, and dated August 8, 1997; and

WHEREAS, the City has reviewed and approved these plans subject to the execution of this Declaration.

NOW THEREFORE, in consideration of the benefits received by Covenantor and/or its grantees and assigns as a result of the City's approval of the plans, Covenantor with full authority to execute deeds, deeds of trust, other covenants, and all rights, title and interest in the property described above, does hereby covenant with the City on its behalf and that of its grantees and assigns as follows:

1. Covenantor and/or its grantees and assigns shall construct, or install, and perpetually maintain, at

its/their sole expense, the above-referenced Facility in strict accordance with the plan approved by the City.

2. Covenantor and/or its grantees and assigns shall, at its/their sole expense, make such changes or modifications to the Facility as may, in the City's sole discretion, be determined necessary to insure that the Facility is properly maintained and continues to operate as designed and approved.

3. The City, its agents, employees and contractors shall have the perpetual right of ingress and egress over the property of Covenantor and/or its grantees and assigns and shall also have the right to inspect at reasonable times and in reasonable manner, the Facility in order to insure that the Facility is being properly maintained and is continuing to perform in an adequate manner.

4. Covenantor and/or its grantees and assigns agree that should it fail to correct any defects in the above-described Facility within ten (10) days from the issuance of written notice, or shall fail to maintain the Facility in accordance with the design and plan approved by the City and also in accordance with any law and applicable regulation or, in the event of an emergency as determined by the City in its sole discretion, the City is authorized to enter onto Covenantor's or its grantees' or assigns' property, to make all repairs, and to perform all maintenance, construction and reconstruction as the City deems necessary. The City shall then assess Covenantor

and/or its grantees and assigns and/or all landowners served by the Facility any expenses incurred in the above tasks and said assessments may be placed on the property tax bills of the properties served by said Facility and collected as ordinary taxes by the City. Covenantor and/or its grantees and assigns agree to pay any such assessments. In collecting such expenses, the City shall not be limited to the above remedy, but shall also have available to it all other remedies accorded by law for the collection of unpaid debts.

5. Covenantor and/or its grantees and assigns shall indemnify, save harmless and defend the City from and against any and all claims, demands, suits, liabilities, losses, damages and payments, including attorneys fees claimed or made by persons not parties to this Declaration, against the City that are alleged or proved to result or arise from the Covenantor's and/or its grantees' or assigns' construction, operation, or maintenance of the Facility that is the subject of this Declaration.

6. The covenants contained herein shall run with the land and the Covenantor and/or its grantees and assigns further agree that whenever the subject property or any portion thereof shall be held, sold and conveyed, it shall be subject to the covenants, stipulations, agreements and provisions of this Declaration, which shall apply to bind and be obligatory upon the Covenantor hereto, its heirs, successors, grantees, and assigns and shall bind all

present and subsequent owners of the property served by the Facility.

7. The Covenantor and/or its grantees and assigns shall promptly notify the City when the Covenantor and/or its grantees and assigns legally transfer any of the Covenantor's and/or its grantees' or assigns' responsibilities for the Facility. The Covenantor and/or its grantees and assigns shall supply the City Engineer of the City of Portsmouth with a copy of any documents of sale or transfer, executed by both parties and a copy of this Declaration acknowledged by all purchasers or transferees.

8. Provisions of this Declaration shall be severable and, if any phrase, clause, sentence or provision is declared unconstitutional, or the applicability thereof to Covenantor and/or its grantees or assigns is held invalid, the remainder of this Declaration shall not be affected thereby.

9. The Declaration shall be recorded in the Clerk's Office of the Circuit Court of the City of Portsmouth, Virginia, at the Covenantor's and/or its grantees' or assigns' expense.

10. In the event that the City shall determine in its sole discretion at any future time that the Facility is no longer required, then the City shall at the request of the Covenantor and/or its grantees or assigns execute a release of this Declaration of Covenants which the Covenantor and/or its grantees or assigns shall record at their

expense.

11. In the event of any dispute arising under the provisions of this Declaration, the laws of the Commonwealth of Virginia shall apply, and jurisdiction over such dispute shall be in the Circuit Court of the City of Portsmouth.

IN WITNESS WHEREOF, Covenantor has executed this Declaration of Covenants on this 2 day of MARCH, 1998.

COVENANTOR

By *Rep S Cooper, Pres.*

COMMONWEALTH OF VIRGINIA
CITY OF PORTSMOUTH, to wit:



The foregoing instrument was acknowledged before me this 2nd day of March, 1998.

Isabelle I See
NOTARY PUBLIC

My Commission Expires: **My Commission Expires September 30, 2001**

Attachment C
Post-2003 Maintenance Agreement

VIRGINIA LAND RECORD COVER SHEET
FORM A - COVER SHEET CONTENT

1500 11931

Instrument Date: 12/11/2015
Instrument Type: AG
Number of Parcels: 1 Number of Pages: 8
 City County

PORTSMOUTH

TAX EXEMPT? VIRGINIA/FEDERAL LAW

Grantor:
 Grantee: 58.1-811(A)(3)
Consideration: \$0.00
Existing Debt: \$0.00
Actual Value/Assumed: \$0.00

PRIOR INSTRUMENT UNDER § 58.1-803(D):
Original Principal: \$0.00
Fair Market Value Increase: \$0.00

(Area Above Reserved For Deed Stamp Only)

2015 DEC 16 P 12:19
CYNTHIA P. MORRISON
CIRCUIT COURT CLERK

Original Book Number: Original Page Number: Original Instrument Number: 000024465

Prior Recording At: City County
PORTSMOUTH Percentage In This Jurisdiction: 100%

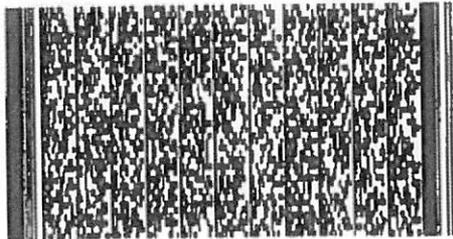
BUSINESS / NAME

- 1 Grantor: THE R.A. LAWSON CORP.
- 2 Grantor: TOWNEBANK
- 1 Grantee: CITY OF PORTSMOUTH, VIRGINIA
- Grantee:

GRANTEE ADDRESS

Name: CITY OF PORTSMOUTH, VIRGINIA
Address: 801 CRAWFORD STREET
City: PORTSMOUTH State: VA Zip Code: 23704
Book Number: Page Number: Instrument Number: 000024465
Parcel Identification Number (PIN): 04430191 Tax Map Number: 04430191
Short Property Description: LOT 60 PORTSMOUTH ESTATES

Current Property Address 101 NAVAJO TRAIL /
City: PORTSMOUTH State: VA Zip Code: 23701
Instrument Prepared By: OFFICE OF THE CITY ATTORNEY Recording Paid By: CITY OF PORTSMOUTH
Recording Returned To: OFFICE OF THE PORTSMOUTH CITY ATTORNEY
Address: 801 CRAWFORD STREET 6TH FLOOR
City: PORTSMOUTH State: VA Zip Code: 23704



Tax Parcel: 0443-0191
Prepared by:
Jeffrey S. Miller, VSB 43033
Asst. City Attorney
801 Crawford Street, 6th Floor
Portsmouth, VA 23704

STORMWATER MANAGEMENT FACILITIES AGREEMENT
City of Portsmouth, Virginia

THIS AGREEMENT, made and entered into as of the 11th day of December, 2015, by and between THE R.A. LAWSON CORP., a Virginia corporation, party of the first part, hereinafter called the "Landowner" and for indexing purposes "Grantor", and the CITY OF PORTSMOUTH, VIRGINIA, party of the second part, hereinafter called the "City" and for indexing purposes "Grantee".

WITNESSETH:

WHEREAS, the Landowner is the owner of certain real property described on Tax Map 0443, Parcel 0191 as shown by Plat recorded in the Clerk's Office of the Circuit Court for the City of Portsmouth, Virginia, hereinafter called the "Property", it being more particularly described as follows:

ALL THAT certain Lot 60, with the buildings and improvements thereon and the appurtenances thereunto belonging, lying, being and situate in the City of Portsmouth, Virginia (formerly Western Branch Magisterial District, Norfolk County) as shown on that certain map entitled "MAP OF PORTSMOUTH ESTATES PROPERTY OF PAT REALTY CORP. NORFOLK COUNTY, VA. SCALE 1" = 50'", dated March 30, 1943, prepared by Jno. M. Baldwin, civil engineer, Norfolk, Virginia and recorded in the Clerk's Office of the Circuit Court of the City of Chesapeake, Virginia (formerly Norfolk County, Virginia), in Map Book 27, at Page 10.

IT BEING a portion of that property conveyed to The R.A. Lawson Corp. by Deed from Portsmouth Estates Associates, L.P. dated December 20, 2007 and recorded in the Clerk's Office of the Portsmouth Circuit Court as Instrument Number 000024465.

WHEREAS, the Landowner as hereinafter used in this Agreement shall be defined as the Landowner and the Landowner's successors and assigns in title; and

WHEREAS, the Landowner is proceeding to build on and develop the Property; and

WHEREAS, the Site Plan known as "SITE PLAN OF LOT 60, MAP OF PORTSMOUTH ESTATES FOR LAWSON HOMES", hereinafter called the "Plan", as approved by the City and which is expressly made a part hereof, provides for the management of

stormwater runoff (which may include retention, detention and/or water quality treatment) within the confines of the Property; and

WHEREAS, the City and the Landowner agree that the health, safety, and welfare of the residents of the City of Portsmouth, Virginia, requires an on-site stormwater management facility, hereinafter referred to as the "Facility," be constructed and maintained on the Property; and

WHEREAS, the City requires that an on-site stormwater management facility as shown on the Plan be constructed and properly maintained by the Landowner; and

WHEREAS, a maintenance schedule has been included on the Plan detailing the requirements to perpetually maintain the structural integrity and the proper functioning of the Facility and its components;

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants contained herein, and the following terms and conditions, the Landowner hereby agrees as follows:

1. The Landowner shall construct the required on-site stormwater management Facility at its sole expense and in strict accordance with the approved Plan and associated specifications identified in the Plan, as approved by the City.
2. The Landowner shall insure that the Facility is properly maintained and continues to operate as designated and approved.
3. The Landowner shall, at its sole expense, perpetually provide for the proper maintenance of the Facility and related components. Maintenance of the Facility components shall include but not be limited to all pipes and channels built to convey stormwater to the Facility, all pipes and channels built to convey stormwater from the Facility to the City's stormwater drainage system or other receiving system, and all related structures, improvements, and vegetation provided to control the quantity and quality of the stormwater generated from the Property.
4. The City, its authorized agents, employees and contractors shall have the perpetual right of ingress and egress over the Property of the Landowner to inspect, at reasonable times and in a reasonable manner, the Facility to insure that the Facility is being properly maintained and is continuing to function as designed and approved by the City. The inspection shall cover the entire Facility and its components such as berms, pipes, outlet structure, pond areas, access roads, vegetated buffer strips, etc. Deficiencies shall be noted in an Inspection Report that shall be provided to the Landowner. Within ten (10) days from the date that the inspection report is provided to the Landowner, the Landowner shall either correct such deficiencies or shall submit a Corrective Action Plan to the City that indicates when and how the repairs will be accomplished. The Landowner shall complete all repairs within thirty (30) days following submittal of a Corrective Action Plan. In the City's discretion, these periods may be reasonably extended if Landowner demonstrates that it is reasonably prosecuting its

responsibilities hereunder.

5. In the event the Landowner fails to properly maintain the Facility and related components in accordance with the Plan and any applicable law or regulation or fails to comply with the time frames set forth in paragraph 4 hereinabove to provide a Corrective Action Plan or make the necessary repairs, the City may enter upon the Property to the extent necessary to correct all deficiencies, make all reasonable repairs and to perform all maintenance, construction and reconstruction as required in its inspection report. The City is hereby authorized to charge all costs of such repairs to the Landowner and to any or all persons or entities served by the Facility. This provision shall not be construed to allow the City to erect any permanent structure on the Property outside of the easement for the Facility and related components. It is expressly understood and agreed that the City is under no obligation to routinely maintain or repair said Facility, and in no event shall this Agreement be construed to impose any such obligation on the City.
6. In the event the City, pursuant to this Agreement, performs work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the City shall then assess the Landowner and/or all landowners served by the Facility and such assessment may be placed on the property tax bills of said Property and collected as ordinary taxes by the City. In collecting such charges, the City shall not be limited to the above remedy, but shall also have available to it all remedies accorded by law for the collection of unpaid debts or for the collection of unpaid stormwater fees and charges.
7. The Landowner hereby agrees to defend, indemnify, keep and hold the City free and harmless from liability on account of injury or damage to person or property growing out of or directly or indirectly resulting from any construction, operation or maintenance of the Facility by the Landowner. In the event that any such suit or proceeding shall be brought against the City, at law or equity, either independently or jointly with the Landowner, the Landowner will defend the City in any such suit or proceeding at the Landowner's sole cost. In the event that any final judgment or decree is obtained against the City in any such suit or proceeding, either independently or jointly with the Landowner, then the Landowner will pay such judgment or comply with such decree with all costs and expenses of whatsoever nature and hold the City harmless.
8. This Agreement and the covenants and agreements contained herein shall run with the title to the land and whenever the Property shall be held, sold, conveyed or otherwise transferred, it shall be subject to the covenants, stipulations, agreements and provisions of this Agreement which shall apply to, bind and be obligatory upon the Landowner hereto, its successors and assigns, and shall bind all present and subsequent owners of the Property described herein.
9. Initially, the Landowner is solely responsible for the performance of the obligations required hereunder and, to the extent permitted under applicable law, the payment of any and all fees, fines, and penalties associated with such performance or failure to perform under this Agreement. Notwithstanding any provisions of this Agreement to the contrary, upon the

recording of a deed or other instrument of sale, transfer or other conveyance of fee simple title to the Property or any portion thereof (a "Transfer") to a third party (the "Transferee"), the conveying Landowner shall be released of all its obligations and responsibilities under this Agreement accruing after the date of such Transfer to the extent such obligations and responsibilities are applicable to that portion of the Property included in such Transfer. All obligations and duties imposed upon the Landowner as the result of an Inspection Report and/or Corrective Action Plan as set forth in paragraph 5 of this Agreement shall become the duty and obligation of any Transferee of Landowner of the Property or any portion thereof as described in this Agreement.

10. Nothing herein shall be construed to prohibit a transfer of the Property by the Landowner to subsequent owners and assigns.
11. Provisions of this Agreement shall be severable and if any phrase, clause, sentence or provision is declared unconstitutional, or the applicability thereof to Landowner held invalid, the remainder of this Agreement shall not be affected thereby.
12. This Agreement shall be recorded in the Clerk's Office of the Circuit Court of Portsmouth, Virginia at the expense of the Landowner.
13. In the event that the City shall determine, at its sole discretion at any future time, that the Facility is no longer required, then the City shall, at the request of the Landowner, execute a release of this Stormwater Management Facilities Agreement which the Landowner shall record at its expense.
14. In the event of any dispute arising under the provisions of this Agreement, the laws of the Commonwealth of Virginia shall apply and jurisdiction over such dispute shall be in the Circuit Court of the City of Portsmouth.
15. TowneBank, being the holder of a note or notes secured by a lien on the Property through a Deed of Trust dated December 20, 2007 and recorded in the Clerk's Office of the Circuit Court for the City of Portsmouth, Virginia as Instrument Number 070024466, joins in the execution of this Agreement to evidence its consent to the provisions hereof and to subordinate its lien on the Property to this Agreement and the covenants contained herein.

[SIGNATURES ON FOLLOWING PAGES]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first set forth above.

LANDOWNER/COVENANTOR:

THE R.A. LAWSON CORP., a Virginia corporation

By: [Signature]
Name: R. J. Clifton Jr
Title: V. Pres

STATE OF VIRGINIA
CITY/COUNTY OF Virginia Beach, to wit:

I, Karen G. Probst, a Notary Public in and for the County and State aforesaid, do hereby certify that Claymont D. Clifton Jr. Vice President of The R.A. Lawson Corp., whose name is signed to the foregoing Agreement on its behalf, has acknowledged the same before me in my City/County and State aforesaid. He/She is personally known to me or has produced adequate identification.

GIVEN under my hand this 15th day of December, 2015.

[Signature]
Notary Public

My Commission Expires: April 30, 2017
Notary Registration No. 1192963



IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first set forth above.

CITY OF PORTSMOUTH, VIRGINIA

Lydia Pettis Patton

Dr. Lydia Pettis Patton, City Manager

ATTEST
[Signature]

Chief Deputy City Clerk

APPROVED AS TO CONTENT AND FORM:

[Signature]

Assistant City Attorney

STATE OF VIRGINIA
CITY OF PORTSMOUTH, to wit:

I *Kathleen L. Smith-Savage*, a Notary Public in and for the City and State aforesaid, do hereby certify that Lydia Pettis Patton, Anita Y. Sherrod, and Jeffrey S. Miller, City Manager, Chief Deputy City Clerk, and Assistant City Attorney, respectively, whose names are signed to the foregoing Agreement on behalf of the City of Portsmouth, Virginia, have acknowledged the same before me in my City and State aforesaid.

Given under my hand this 16th day of December, 2015.

Kathleen L. Smith-Savage

Notary Public

My Commission Expires: 2/28/2017
Notary Registration No.: 217928



LENDER CONSENT

TOWNEBANK

By: Cross Morgan
Name: Cross Morgan
Title: Senior Vice President

STATE OF Virginia
CITY/COUNTY OF Chesapeake, to wit:

I, Jennifer L. Freeman, a Notary Public in and for the City/County and State aforesaid, do hereby certify that Cross Morgan, Senior Vice President of TowneBank, whose name is signed to the foregoing Agreement on its behalf, has acknowledged the same before me in my City/County and State aforesaid.

Given under my hand this 15th day of December, 2015.

Jennifer L. Freeman
Notary Public

My Commission Expires: 06-30-2018
Notary Registration No.: 7073136



INSTRUMENT #150011931
RECORDED IN THE CLERK'S OFFICE OF
PORTSMOUTH ON
DECEMBER 17, 2015 AT 01:44PM

CYNTHIA P. MORRISON, CLERK
RECORDED BY: DLM

Attachment D
Current Maintenance Agreement

STORMWATER MANAGEMENT FACILITIES AGREEMENT
City of Portsmouth, Virginia

THIS AGREEMENT, made and entered into this ___ day of _____, 20___, by and between _____, hereinafter called the "Landowner", and the City of Portsmouth, Virginia, hereinafter called the "City".

WITNESSETH:

WHEREAS, the Landowner is the owner of certain real property described on Tax Map _____, Parcel _____ as recorded by deed in the land records of City of Portsmouth, Virginia, Deed Book _____ Page _____, hereinafter called the "Property".

WHEREAS, the Landowner is proceeding to build on and develop the property; and

WHEREAS, the Site Plan/Subdivision Plan known as _____

_____ with a City File Number of _____, hereinafter called the "Plan", as approved by the City and which is expressly made a part hereof, provides for the management of stormwater runoff (which could include retention, detention and/or water quality treatment) within the confines of the property; and

WHEREAS, the City and the Landowner, its successors and assigns, including any homeowners association, agree that the health, safety, and welfare of the residents of the City of Portsmouth, Virginia, requires an on-site stormwater management facility, hereinafter referred to as the "Facility," be constructed and maintained on the Property; and

WHEREAS, the City requires that an on-site stormwater management facility as shown on the Plan be constructed and properly maintained by the Landowner, its successors and assigns, including any homeowners association;

WHEREAS, a maintenance schedule has been included on the Plan detailing the requirements to perpetually maintain the structural integrity and the proper functioning of the facility and its components;

NOW, THEREFORE, in consideration of the foregoing premises, the mutual

covenants contained herein, and the following terms and conditions, the Landowner, its successors and assigns, hereby agree(s) as follows:

1. The Landowner, its successors and assigns, shall construct the required on-site stormwater management Facility at its/their sole expense and in strict accordance with the approved Plan and associated specifications identified in the Plan, as approved by the City.
2. The Landowner, its successors and assigns shall, at its/their sole expense, make such changes or modifications to the Facility as may, in the City's sole discretion, be determined necessary to insure that the Facility is properly maintained and continues to operate as designed and approved.
3. The Landowner, its successors and assigns, including any homeowners association, shall perpetually provide for the proper maintenance of the Facility and related components at its/their sole expense. Maintenance of the Facility components shall include but not be limited to all pipes and channels built to convey stormwater to the Facility, all pipes and channels built to convey stormwater from the Facility to the City's stormwater drainage system or other receiving system, and all related structures, improvements, and vegetation provided to control the quantity and quality of the stormwater generated from the Property. Proper maintenance is herein defined as that which is necessary to maintain the structural integrity of the Facility and to insure the Facility is able to function as designed and approved by the City.
4. The Landowner, its successors and assigns shall inspect the Facility and its components annually, at a minimum, and shall annually submit a completed Stormwater Facilities Inspection Report documenting such inspection to the City. The purpose of the inspection shall be to assure the safe and proper functioning of the Facility. The inspection shall cover the entire Facility and its components such as berms, pipes, outlet structure, pond areas, access roads, vegetated buffer strips, etc. Deficiencies shall be noted in the inspection report and corrected by the Landowner, its successors and assigns within ten days from the date of the inspection.
5. The City, its authorized agents, employees and contractors shall have the perpetual right of ingress and egress over the Property of the Landowner, its successors and assigns to inspect, at reasonable times and in a reasonable manner, the Facility to insure that the Facility is being properly maintained and is continuing to function as designed and approved by the City.
6. In the event the Landowner, its successors and assigns, fail(s) to properly

maintain the Facility and related components in accordance with the Plan and any applicable law or regulation or fail(s) to comply within 10 days following a written directive from the City to make needed repairs, the City may enter upon the Property to correct all deficiencies, make all repairs and to perform all maintenance, construction and reconstruction as deemed necessary by the City. The City is hereby authorized to charge the associated costs of such repairs to the Landowner, its successors and assigns and to any/or all landowners served by the Facility. This provision shall not be construed to allow the City to erect any permanent structure on the Property outside of the easement for the stormwater Facility and related components. It is expressly understood and agreed that the City is under no obligation to routinely maintain or repair said Facility, and in no event shall this Agreement be construed to impose any such obligation on the City.

7. In the event the City, pursuant to this Agreement, performs work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the Landowner, its successors and assigns, shall reimburse the City upon demand, within thirty (30) days of receipt thereof for all actual costs incurred by the City hereunder. Should the Landowner, its successors and assigns fail to reimburse the City within the time specified, the City shall place the associated charges on the Property's tax bill and shall be collected as ordinary taxes by the City. In collecting such charges, the City shall not be limited to the above remedy, but shall also have available to it other remedies accorded by law for the collection of unpaid debts.
8. The Landowner shall indemnify, save harmless and defend the City against any and all claims, demands, suits, liabilities, losses, damages and payments, including attorney fees claimed or made by persons not party to this Agreement, against the City that are alleged or proved to result or arise from any construction, operation, or maintenance of the Facility by the Landowners, its successors and assigns.
9. The covenants contained herein shall run with the land and shall be binding on the Landowner, its successors and assigns and any other successors in interests, including any homeowners association.
10. The Landowner, its successors and assigns and any other successors in interests, including any homeowners association agree that whenever the Property or any portion thereof shall be held, sold and conveyed, it shall be subject to the covenants, stipulations, agreements and provisions of this Agreement, which shall apply to bind and be obligatory upon the Landowner hereto, its heirs, successors, grantees, and assigns and shall bind

all present and subsequent owners of the Property served by the Facility.

11. The Landowner, its successors and assigns shall promptly notify the City when the Landowner, its administrators, executors, successors and assigns legally transfer any of their responsibilities for the Facility. The Landowner, its successors and assigns shall supply the Director of Public Utilities/Public Works with a copy of any documents of sale or transfer, executed by both parties and a copy of the Agreement acknowledged by all purchasers or transferees.
12. Provisions of this Agreement shall be severable and if any phrase, clause, sentence or provision is declared unconstitutional, or the applicability thereof to Landowner, its successors and assigns held invalid, the remainder of this Agreement shall not be affected thereby.
13. This Agreement shall be recorded in the Clerk's Office of the Circuit Court of Portsmouth, Virginia at the expense of the Landowner, its successors and assigns.
14. In the event that the City shall determine, at its sole discretion at any future time, that the Facility is no longer required, then the City shall, at the request of the Landowner, its successors and assigns, execute a release of this Stormwater Management Facilities Agreement which the Landowner, its successors and assigns shall record at their expense.
15. In the event of any dispute arising under the provisions of this Agreement, the laws of the Commonwealth of Virginia shall apply and jurisdiction over such dispute shall be in the Circuit Court of the City of Portsmouth.

IN WITNESS WHEREOF, Landowner has executed this Agreement on this _____ day of _____, 20__.

LANDOWNER

By: _____
(Seal)

(Type Name)

(Type Title)

COMMONWEALTH OF VIRGINIA
CITY OF PORTSMOUTH, to wit:

The foregoing instrument was acknowledged before me this ____ day of _____, 20____, by

NOTARY PUBLIC

My Commission Expires: _____

Attachment E
Single Family Home SWMFs

Single Family Home BMPs

Potential stormwater quality BMPs
 Potential stormwater quality infiltration trenches

Street Number	StreetName	Date built	BMP type	Maintenance agreement	Drawings
	6 Tides Court	2/27/2001	Grass Swale	No	Yes
333	Thelmar Ln	1/8/2001	Septic tank/infiltration, Mulched bed, and shrubbery	Yes	No
109	Navajo Trail	2016	Infiltration trench planting bed	No	Yes
113	Navajo Trail	2016	Infiltration trench planting bed	No	Yes
129	Navajo Trail		Infiltration trench planting bed	No	Yes
137	Navajo Trail	12/11/2015	Infiltration trench planting bed	Yes	Yes
141	Navajo Trail	12/11/2015	Infiltration trench planting bed	Yes	Yes
101	Navajo Trail	12/11/2015	Infiltration trench planting bed	Yes	Yes
133	Navajo Trail	8/10/2016	Infiltration trench planting bed	Yes	Yes
3324	Courtney Road	10/26/2000	Dry wells and vegetative strip	No	No
2728	Sterling Point Dr	1/20/1998	Sand filter bed?	No	Yes
159	Yorkshire Rd	5/4/1998	Dry well	Yes	Yes
4032	Swannanoa Dr	12/3/1996	Mulched BMP	Yes	Yes
4085	Long Point Boulevard	12/4/1996	vegetative detention basin	Yes	Yes
24	Foxgrape Rd	9/30/1997	detention pond/grass swale	Yes	Yes
4129	Faber Road	7/30/1997	Flower bed vegetative strip	No	Yes
4508	Winston Road	12/1/1997	grass filter strip	No	Yes
4102	Faigle Road	3/6/1997	Mulch bed Buffer	No	Yes
4333	Midfield Parkway	2000	Mulched bed	No	Yes
1312	Powhatan Avenue	1998	Mulched Bed	No	Yes
336	Saunders Dr	8/25/1998	Mulched Bed and Shrubs	No	Yes
7	Cedarcrest Lane	10/29/1998	Mulched bed filter strip	No	Yes
1319	Spratley St	9/5/1997	Mulched planting bed	No	Yes
138	Monitor Road	5/18/2000	Vegetative cover	No	Yes
4805	Peace Way	5/18/2000	Vegetative cover	No	Yes
4817	Peace Way	7/7/1998	vegetative Strip	No	Yes
3516	Canterbury Dr	6/30/1997	4 shrubs and 3 medium trees	Yes	Yes
1716	Bain Street	11/20/1997	filter strip - mulched bed	Yes	Yes
3158	Holly Cliff Lane	11/15/1997	grass filter strip	Yes	Yes
2508	Sterling Point Drive	7/17/1998	Gravel and Shrubs vegetative strip	Yes	Yes
134	Monitor Road	9/2/1998	Mulched bed	Yes	Yes
6	Starling Court	7/18/1998	Mulched bed	Yes	Yes
4313	Midfield Parkway	2/6/1997	Mulched bed and two grass filter strips	Yes	Yes
414	Bobby Jones Dr	3/24/97 and 4/4/97	vegetative buffer	Yes	Yes
4728	Mallard Crescent	10/3/1996	vegetative buffer strip	Yes	Yes
146	Yorkshire Rd	7/10/1997	Vegetative Filter Strip	Yes	Yes
	Lots 206 and 207, Park View	3/2/1998	Unknown	Yes	No
110	Yorkshire Rd	3/24/1998	Unknown	Yes	No

Appendix B
Private Stormwater Management
Facility Inspection and Maintenance
Procedures

City of Portsmouth MS4 Program

Privately Maintained Stormwater Management Facilities Inspection and Maintenance Procedures

PREPARED FOR: City of Portsmouth, VA
COPY TO: James Wright/City of Portsmouth, VA
PREPARED BY: Monica Stochl/CH2M
DATE: June 20, 2017

The Technical Memorandum (TM) is to detail the City of Portsmouth (City) Stormwater Management Facility (SWMF) standard operating procedure (SOP) for owner and City inspections of privately-maintained SWMFs. Inspection and maintenance will be performed by two different parties for privately-maintained SWMFs. The owner or the owner's representative will perform a yearly inspection and the City will perform inspections once every 5-year permit cycle and conduct follow-up activities. The owner or the owner's representative will perform maintenance as needed and at the very least annually; therefore, inspection and maintenance procedures will be prepared in two separate formats.

The owner's and the City's procedures will be based on the inspection procedure for City-owned SWMFs. The City procedure will evaluate how well the owner is maintaining their Best Management Practice (BMP). The City inspections are used in accordance with the Municipal Separate Storm Sewer System (MS4) permit, which requires the City to not only inspect the SWMFs, but to keep an updated inventory of the SWMFs and date of previous inspection to determine necessity of inspection during each permit year.

The Program was developed as initial guidance for privately-maintained SWMFs. Initially, the City's Program included not inspecting SWMFs without maintenance agreements, but recent updates from the inclusion of MS4 permit requirements state that all SWMFs, including those without maintenance agreements should be inspected. Inspection and maintenance checklists are provided in Attachment 1 for City Inspections and Attachment 2 for Private Owner Inspections.

City Inspections

Currently, the City begins their inspection process with prioritization inspections. Prioritization inspections are a quick visual evaluation of the SWMF to rate them Satisfactory, Unsatisfactory, or in need of a Forensic BMP Inspection (FBI). The prioritization inspection does not replace the formal City inspection, but will help quickly determine the current initial state of the SWMF. The City will evaluate the necessity of the prioritized inspections once the inspection procedures are in place.

The current City Inspection SOPs are found in Attachment 3.

The City has procedures in place for construction and design of structural SWMFs. All structural SWMFs require some type of maintenance for proper long-term function, while SWMF owners should annually inspect and provide maintenance as needed for the SWMFs. The City must assess the maintenance and upkeep of each SWMF to ensure it is in accordance with the original, approved design, which is the purpose of the maintenance agreements between the Owners and the City. The maintenance

agreement also provides the City with the authority to enforce the inspection and maintenance of the SWMF.

The City's inspection and summary report are performed at no cost to the SWMF owner. The owner is responsible for correcting any identified deficiencies, whether the owner has or does not have a maintenance agreement with the City. Owners will be given 90 days to correct deficiencies and notify the City of completion OR contact the Stormwater Compliance to develop a plan of action. Failure to correct the deficiencies may result in a notice of violation and potential legal action.

The City will inspect privately-owned SWMFs once every 5 years. The general inspection process is as follows:

- The City will contact the SWMF owner annually via mail to inform them of the inspection requirements and providing them with checklists and other education information.
- The City will send an update letter closer to the inspection notifying the SWMF owner they are scheduled for inspection within the next 4 to 6 weeks.
- City personnel or an authorized representative (inspector) will inspect the SWMF, including:
 - Noting in-field conditions
 - Taking photos
- The Inspector will compare the in-field conditions with the original BMP design and as-built drawings (where applicable).
- The Inspector will document the observed conditions of the relevant SWMF and create an inspection report of the facility's maintenance requirements based on the checklist.
 - The City will notify the owner that the inspection has been completed.
- Inspection reports will be sent out upon request, unless a deficiency is found.
 - For SWMFs with a deficiency, a letter with further action items will be sent to the SWMF's owner for remedial action by the property owner.
- The City's annual MS4 report to the Virginia Department of Environmental Quality will include a list of the inspections, and a summary of the deficiencies found.

The City inspection checklist are found in Attachment 1.

Owner Inspections

The owner's annual inspections of each privately-maintained SWMF is meant to keep the SWMF in accordance with the original approved design and in good working order. Inspections by the owner or the owner's representative must be performed annually. The maintenance inspection list for individual SWMFs are found in Attachment 2. These are simplified checklists, designed to be user friendly and easily understood, by a nontechnical individual. For manufactured SWMFs, additional maintenance requirements and procedures are available from the manufacturer. Further information on private owner's responsibilities are described in Attachment 2.

Attachment 1
City Inspection Checklist

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Bio Infiltration Practices

Inspection Date _____
 Project _____
 Location _____
 Date of Last Inspection _____
 Owner/Owner's Representative _____
 As-Built Plans available: Y / N

Site Plan/Permit Number _____
 Date BMP Placed in Service _____
 Inspector _____

Facility Location:

- Surface
- Underground

Hydraulic Configuration:

- On-line facility
- Off-line facility

Filtration Media:

- No filtration (e.g., dry well, permeable pavement, infiltration facility, etc.)
- Sand
- Bioretention Soil
- Peat
- Other: _____

Type of Pre-Treatment Facility:

- Sediment forebay (above ground)
- Sedimentation chamber
- Plunge pool
- Stone diaphragm
- Grass filter strip
- Grass channel
- Other: _____

Ideally, Bioretention facilities should be inspected and cleaned up annually, preferably during the spring. During the first 6 months following construction of a bioretention facility, the site should be inspected at least twice after storm events that exceed 1/2-inch of rainfall. Watering is needed once a week during the first 2 months following installation, and then as needed during the first growing season (April-October), depending upon rainfall. If vegetation needs to be replaced, one-time spot fertilization may be needed, preferably using an organic rather than a chemical fertilizer. Each facility should have a customized routine maintenance schedule addressing issues such as the following: grass mowing, weeding, trash removal, mulch raking and maintenance, erosion repair, reinforcement plantings, tree and shrub pruning, and sediment removal.

Element of BMP	Potential Problem	Problem? Y / N			How to fix problem	Who Will Address Problem	Comments
		Problem? Y / N	Investigate? Y / N	Repaired? Y / N			
Contributing Drainage Area	Adequate vegetation				Supplement as necessary	Owner or professional	
	There is excessive trash and debris				Remove immediately	Owner or professional	
	There is evidence of erosion and / or bare or exposed soil				Stabilize immediately	Owner or professional	
	There are excessive landscape waste or yard clippings				Remove immediately and recycle or compost	Owner or professional	
	Oil, grease or other unauthorized substances are entering the facility				Identify and control the source of this pollution. It may be necessary to erect fences, signs, etc	Owner or professional	
	Document element with photo						

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Bio Infiltration Practices

Element of BMP	Potential Problem	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Pre-Treatment	There is adequate access to the pre-treatment facility				Establish adequate access	Professional and, perhaps, the locality	
	Excessive trash, debris, or sediment.				Remove immediately	Owner or professional	
	There is evidence of clogging (standing water, noticeable odors, water stains, algae or floating aquatic vegetation, or oil/grease)				Identify and eliminate the source of the problem. If necessary, remove and clean or replace the clogged material.	Professional	
	There is evidence of erosion and / or exposed soil				Stabilize immediately	Owner or professional	
	There is dead vegetation or exposed soil in the grass filter				Restabilize and revegetate as necessary	Owner or professional	
	Document element with photo						
Inlets	Check for sediment build-up at curb cuts, gravel diaphragms or pavement edges that prevent flow from getting into the bed, and check for bypassing.				Remove sediment and correct any other problems that block inflow.	Owner or professional	
	There is excessive trash, debris, or sediment.				Remove immediately	Owner or professional	
	There is evidence of erosion at or around the inlet				Repair erosion damage and reseed or otherwise restabilize with vegetation	Owner or professional	
	Inflow is hindered by trees and/or shrubs.				Remove woody vegetation from points of inflow and directly above underdrains. (Trees and shrubs may be located closer to the perimeter.)	Owner or professional	
Document element with photo							
Side Slopes	There is evidence of rill or gully erosion or bare soil				Identify the source of erosion damage and prevent it from recurring. Repair erosion damage and reseed or otherwise restabilize with vegetation	Owner or professional	
	There is excess sediment accumulation				Remove immediately	Owner or professional	
	Side slopes support nuisance animals.				Animal burrows must be backfilled and compacted. Burrowing animals should be humanely removed from the area.	Professional	
	Document element with photo						

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Bio Infiltration Practices

Element of BMP	Potential Problem	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Vegetation	Plant composition is consistent with the approved plans and any stakes or wires are in good condition.				Determine if existing plant materials are at least consistent with general Bioretention design criteria and replace inconsistent species.	Professional	
	There should be 75-90% cover (mulch plus vegetation), and the mulch cover should be 2-3 inches deep.				Supplement vegetation and mulch as needed.		
	There is evidence of hydrocarbons or other deleterious materials, resulting in unsatisfactory plant growth or mortality,				Replace contaminated mulch. If problem persists, test soils for hydrocarbons and other toxic substances. If excess levels are found, the soils, plants and mulch may all need to be replaced in accordance with the approved construction plans.	Professional	
	Invasive species or weeds make up at least 10% of the facility's vegetation				Remove invasive species and excessive weeds immediately and replace vegetation as needed.	Owner or professional	
	The grass is too high				Mow within a week. Grass species should be selected that have dense cover, are relatively slow growing, and require the least mowing and chemical inputs. Grass should be from 6-10 inches high.	Owner or professional	
	Vegetation is diseased, dying or dead				Remove and replace. Increase watering, but avoid using chemical fertilizers, unless absolutely necessary.	Professional	
	Winter-killed or salt-killed vegetation is present.				Replace with hardier species.	Owner or professional	
	Document element with photo						
Filter Media	The filter media is too low, too compacted, or the composition is inconsistent with design specifications				Raise the level, loosen and amend or replace the media, as needed, to be consistent with the state design criteria for Bioretention (85-88% sand 8-12% soil fines 3-5% organic matter in form of leaf compost). Other remediation options are described in the maintenance section of the state design criteria for Bioretention	Professional	

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Bio Infiltration Practices

Element of BMP	Potential Problem	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Filter Media (continued)	The mulch is older than 3 years or is otherwise in poor condition				The mulch must be replaced every 2-3 years	Professional	
	There is evidence that chemicals, fertilizers, and/or oil/grease are present				Remove undesirable chemicals from media and facility immediately, and replace mulch or media as needed	Professional	
	There is excessive trash, debris, or sediment.				Remove trash and debris immediately. Check plant health and, without damaging plants, manually remove the sediment, especially if the depth exceeds 20% of the facility's design depth.	Owner or professional	
	There is evidence of concentrated flows, erosion or exposed soil				Identify the source of erosion damage and prevent it from recurring. Repair the erosion damage and reseed or otherwise restabilize with vegetation.	Professional	
	The filter bed is clogged and/or filled inappropriately				Redistribute the soil substrate and remove sediment within 2 weeks.	Professional	
	The topsoil is in poor condition (e.g., the pH level is not 6-7, the composition is inappropriate, etc.)				Ensure a 3-inch surface depth of topsoil consistent with the state design criteria for Bioretention (loamy sand or sandy loam texture, with less than 5% clay content, and organic matter content of at least 2%). If the pH is less than 6.5, spread limestone.	Professional	
Document element with photo							
Underdrain/ Proper Drainage	The perforated pipe is not conveying water as designed				Determine if the pipe is clogged with debris or if woody roots have pierced the pipe. Immediately clean out or replace the pipe, as necessary.	Professional	
	The underlying soil interface is clogged (there is evidence on the surface of soil crusting, standing water, the facility does not dewater between storms, or water ponds on the surface of basin for more than 48 hours after an event).				Measure the draw-down rate of the observation well for three days following a storm event in excess of 1/2 inches in depth. After three days, if there is standing water on top but not in the underdrain, this indicates a clogged soil layer. If standing water is both on the surface and in the underdrain, then the underdrain is probably clogged. This should be promptly	Professional	

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Bio Infiltration Practices

Element of BMP	Potential Problem	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
					investigated and remediated to restore proper filtration. Grading changes may be needed or underdrain repairs made. The filter media may need to be raked, excavated and cleaned or replaced to correct the problem. Holes that are not consistent with the design of planter to the ground must be plugged.		
Document element with photo							
Planters	The planter is unable to receive or detain stormwater prior to infiltration. Water does not drain from the reservoir within 3-4 hours of after a storm event.				Identify and correct sources of clogging. Topsoil and sand/peat layer may need to be amended with sand or replaced all together.	Owner or professional	
	The planter has structural deficiencies, including rot, cracks, and failure, or the planter is unable to contain the filter media or vegetation				Make needed repairs immediately.	Owner or professional	
Document element with photo							
Outlet/ Overflow Spillway	Outlets are obstructed or erosion and soil exposure is evident below the outlet.				Remove obstructions and stabilize eroded or exposed areas.	Owner or Professional	
	There is excessive trash, debris, or sediment at the outlet				Remove immediately, and keep the contributing area free of trash and debris.	Owner or professional	
	Any grates present are in good condition				Repair or replace as necessary	Owner or professional	
Document element with photo							
Observation Well	Is the observation well still capped?				Repair, as necessary.	Professional	
Document element with photo							
Overall	Access to the Infiltration facility or its components is adequate				Establish adequate access. Remove woody vegetation and debris that may block access. Ensure that hardware can be opened and operated.	Professional and, perhaps, the locality	
	There is evidence of standing water				Fill in low spots and stabilize; correct flow problems causing ponding.	Owner or professional	

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Bio Infiltration Practices

Element of BMP	Potential Problem	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Overall (continued)	Mosquito proliferation				Eliminate stagnant pools and establish vegetation; treat for mosquitoes as needed. If sprays are considered, then a mosquito larvicide, such as Bacillus thurendensis or Altoside formulations can be applied <i>only if absolutely necessary</i> .	Owner or professional	
	Complaints from local residents				Correct real problems	Owner or professional	
	Encroachment on the bioretention area or easement by buildings or other structures				Inform involved property owners of BMPs status ; clearly mark the boundaries of the receiving pervious area, as needed	Owner or professional (and perhaps the locality)	
	Document SWMF with photo						

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Manufactured SWMFs

Inspection Date _____
 Project _____
 Location _____
 Date of Last Inspection _____
 Owner/Owner's Representative _____
 As-Built Plans available: Y / N

Site Plan/Permit Number _____
 Date BMP Placed in Service _____
 Inspector _____

- Facility Location:
- Surface
 - Underground

- Hydraulic Configuration:
- On-line facility
 - Off-line facility

- Filtration Media:
- No filtration (e.g., dry well, permeable pavement, infiltration facility, etc.)
 - Sand
 - Peat
 - Other: _____
 - N/A

- Type of Pre-Treatment Facility:
- Sediment forebay (above ground)
 - Sedimentation chamber
 - Plunge pool
 - Stone diaphragm
 - Grass filter strip
 - Grass channel
 - Other: _____
 - N/A

Examples of manufactured SWMFs include Contech Filterra systems and StormFilters. General maintenance for these SWMFs can be reviewed in this checklist. In depth maintenance for the manufactured SWMF individually can be found at the manufacturers website.

Element of BMP (if applicable)	Potential Problem	Problem? Y / N			How to fix problem	Who Will Address Problem	Comments
		Investigate? Y / N	Repaired? Y / N				
Contributing Drainage Area	Adequate vegetation				Supplement as necessary	Owner or professional	
	Excessive trash and debris				Remove immediately	Owner or professional	
	Evidence of erosion and / or bare or exposed soil				Stabilize immediately	Owner or professional	
	Excessive landscape waste or yard clippings				Remove immediately and recycle or compost	Owner or professional	
	Oil, grease or other unauthorized substances are entering the facility				Identify and control the source of this pollution. It may be necessary to erect fences, signs, etc	Owner or professional	
	Damage to grate				Fix damage to grate through manufacturer	Professional	
	By-pass clear				Remove and obstructions	Owner or professional	
	Document element with photo						
Pre-Treatment	Adequate access to the pre-treatment facility				Establish adequate access	Professional and, perhaps, the locality	



City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Manufactured SWMFs

Element of BMP (if applicable)	Potential Problem	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Pre-Treatment (continued)	Excessive trash, debris, or sediment.				Remove immediately	Owner or professional	
	Evidence of clogging (standing water, noticeable odors, water stains, algae or floating aquatic vegetation, or oil/grease)				Identify and eliminate the source of the problem. If necessary, remove and clean or replace the clogged material.	Professional	
	Evidence of erosion and / or exposed soil				Stabilize immediately	Owner or professional	
	Dead vegetation or exposed soil in the grass filter				Restabilize and revegetate as necessary	Owner or professional	
	Document element with photo						
Inlets	Check for sediment build-up at curb cuts, gravel diaphragms or pavement edges that prevent flow from getting into the bed, and check for bypassing.				Remove sediment and correct any other problems that block inflow.	Owner or professional	
	Excessive trash, debris, or sediment.				Remove immediately	Owner or professional	
	Evidence of erosion at or around the inlet				Repair erosion damage and reseed or otherwise restabilize with vegetation	Owner or professional	
	Inflow is hindered by trees and/or shrubs.				Remove woody vegetation from points of inflow and directly above underdrains. (Trees and shrubs may be located closer to the perimeter.)	Owner or professional	
Document element with photo							
Vegetation (if applicable)	Plant composition is consistent with the approved plans and any stakes or wires are in good condition.				Determine if existing plant materials are at least consistent with general Manufactured SWMF design criteria and replace inconsistent species.	Professional	
	Evidence of hydrocarbons or other deleterious materials, resulting in unsatisfactory plant growth or mortality,				Replace contaminated mulch. If problem persists, test soils for hydrocarbons and other toxic substances. If excess levels are found, the soils, plants and mulch may all need to be replaced in accordance with the approved construction plans.	Professional	
	Invasive species or weeds make up at least 10% of the facility's vegetation				Remove invasive species and excessive weeds immediately and replace vegetation as needed.	Owner or professional	

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Manufactured SWMFs

Element of BMP (if applicable)	Potential Problem	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Vegetation (if applicable) continued	Grass is too high				Mow within a week. Grass species should be selected that have dense cover, are relatively slow growing, and require the least mowing and chemical inputs. Grass should be from 6-10 inches high.	Owner or professional	
	Vegetation is diseased, dying or dead				Remove and replace. Increase watering, but avoid using chemical fertilizers, unless absolutely necessary.	Professional	
	Winter-killed or salt-killed vegetation is present.				Replace with hardier species.	Owner or professional	
	Document element with photo						
Underdrain/ Proper Drainage (if applicable)	The perforated pipe is not conveying water as designed				Determine if the pipe is clogged with debris or if woody roots have pierced the pipe. Immediately clean out or replace the pipe, as necessary.	Professional	
	The underlying soil interface is clogged (there is evidence on the surface of soil crusting, standing water, the facility does not dewater between storms, or water ponds on the surface of basin for more than 48 hours after an event).				Measure the draw-down rate of the observation well for three days following a storm event in excess of 1/2 inches in depth. After three days, if there is standing water on top but not in the underdrain, this indicates a clogged soil layer. If standing water is both on the surface and in the underdrain, then the underdrain is probably clogged. This should be promptly investigated and remediated to restore proper filtration. Grading changes may be needed or underdrain repairs made. The filter media may need to be raked, excavated and cleaned or replaced to correct the problem. Holes that are not consistent with the design of planter to the ground must be plugged.	Professional	
Document element with photo							
Outlet/ Overflow Spillway	Outlets are obstructed or erosion and soil exposure is evident below the outlet.				Remove obstructions and stabilize eroded or exposed areas.	Owner or Professional	
	There is excessive trash, debris, or sediment at the outlet				Remove immediately, and keep the contributing area free of trash and debris.	Owner or professional	

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Manufactured SWMFs

Element of BMP (if applicable)	Potential Problem	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Outlet/ Overflow Spillway (continued)	Any grates present are in good condition				Repair or replace as necessary	Owner or professional	
	Document element with photo						
Overall	Access to the facility or its components is adequate				Establish adequate access. Remove woody vegetation and debris that may block access. Ensure that hardware can be opened and operated.	Professional and, perhaps, the locality	
	There is evidence of standing water				Fill in low spots and stabilize; correct flow problems causing ponding.	Owner or professional	
	Mosquito proliferation				Eliminate stagnant pools and establish vegetation; treat for mosquitoes as needed. If sprays are considered, then a mosquito larvicide, such as Bacillus thurendensis or Altoside formulations can be applied <i>only if absolutely necessary</i> .	Owner or professional	
	Complaints from local residents				Correct real problems	Owner or professional	
	Document overall SWMF with photo						

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Permeable Pavements

Inspection Date _____
 Project _____ Site Plan/Permit Number _____
 Location _____ Date BMP Placed in Service _____
 Date of Last Inspection _____ Inspector _____
 Owner/Owner's Representative _____
 As-Built Plans available: Y / N

Ideally, each permeable pavement installation should be inspected in the Spring of each year, especially at large-scale installations.

Element of BMP	Potential Problems	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Contributing Drainage Area	Excessive trash and debris				Remove immediately.	Owner or professional	
	Evidence of erosion and/or bare or exposed soil				Stabilize immediately.	Owner or professional	
	Excessive landscape waste and yard clippings				Remove immediately.	Owner or professional	
	Document element with photo						
Adjacent Vegetation	Trees and shrubs are within 5 feet of the pavement surface				Check that tree roots have not penetrated the pavement and leaf residue has not clogged the pavement. Vegetation that limits access or interferes with the permeable pavement operation must be pruned or removed.	Owner or Professional	
	Document element with photo						
Inlets, Pre-Treatment Cells and Flow Diversion Structures	Excessive trash, debris or sediment accumulation				Remove immediately	Owner or Professional	
	Evidence of erosion and / or exposed soil				Stabilize immediately	Owner or professional	
	Evidence of clogging				Clean out sediment or debris. Remove and wash or replace stone, as needed	Professional	
	Document SWMF with photo						

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
City Maintenance Inspection Checklist:
Permeable Pavements

Element of BMP	Potential Problems	Problem? Y / N	Investigate? Y / N	Repaired? Y / N	How to fix problem	Who Will Address Problem	Comments
Pavement Surface	Mosquito proliferation				Eliminate standing water and establish vegetation; treat for mosquitoes as needed. If sprays are considered, then use a licensed pest controller to apply an approved mosquito larvicide (<i>only if absolutely necessary</i>).	Owner or professional	
	Evidence of erosion and / or bare or exposed soil in grid paver areas				Stabilize immediately. Mow, irrigate and apply organic (not chemical) fertilizer, as needed to keep grass healthy and dense enough to provide filtering while protecting the underlying soil. Remove any grass clippings.	Owner or professional	
	Loose material (e.g., bark, sand, etc.) stored on the pavement surface				Remove immediately and vacuum sweep the area to prevent clogging the pavement pores.	Professional	
	Pavement is stained and/or clogged or water is ponding, indicating the pavement is not draining properly. Measure the drawdown rate in the observation well for three (3) days following a storm event that exceeds 1/2-inch of rain. If standing water is still observed in the well after three days, this is a clear sign that the pavement is clogged. There are significant amounts of sediment have accumulated between the pavers.				The surface must be kept clean and free of leaves, debris, and sediment by vacuum sweeping (without brooms or water spray) immediately and, otherwise, at a frequency consistent with the use and loadings encountered (at a minimum, annual dry-weather sweeping in the Spring). Where paving blocks are installed, the sweeper must be calibrated so it does <i>not</i> pick up the stones between the paver blocks. Following the vacuum sweeping, test pavement sections by pouring water from 5 gallon buckets, to ensure proper drainage.	Professional	
Structural Integrity	There is evidence of surface deterioration, such as slumping, cracking, spalling or broken pavers.				Repair or replace affected areas, as necessary.	Professional	
Observation Wells	Is each observation well still capped?				Repair, as necessary.	Professional	
Outlet	Outlets are obstructed or erosion and soil exposure is evident below the outlet.				Remove obstructions and stabilize eroded or exposed areas.	Owner or Professional	

Attachment 2
Owner Inspection Checklist

City of Portsmouth, VA Privately-Maintained Stormwater Management Facilities

Owner Maintenance Inspection Checklist:

Bio Infiltration

Inspection Date _____

Project _____

Location _____

Date of Last Inspection _____

Owner/Owner's Representative _____

Site Plan/Permit Number _____

Date BMP Placed in Service _____

Inspector _____

Filtration Media:

- No filtration
- Sand
- Bioretention Soil
- Peat
- Other: _____

Facility Location:

- Surface
- Underground

Overall Check	Potential Problem	Yes	No	N/A	Comments
Contributing Drainage Area	Adequate vegetation (ie plants and grasses)				
	Excessive trash and debris				
	Evidence of erosion (ie bare or exposed soil)				
	Excessive landscape waste or yard clippings				
	Oil or grease entering the facility				
	Document element with photo				
Pre-Treatment	Adequate access to the pre-treatment facility				
	Excessive trash, debris, or sediment				
	Evidence of clogging (standing water, noticeable odors, water stains, algae or floating aquatic vegetation, or oil/grease)				
	Evidence of erosion and / or exposed soil				
	Dead vegetation or exposed soil in the grass filter				
	Document element with photo				
Inlets	Excessive trash, debris, or sediment.				
	Evidence of erosion at or around the inlet				
	Inflow is hindered by trees and/or shrubs.				
	Document element with photo				
Vegetation	The grass is too high				
	Vegetation is diseased, dying or dead				
	Winter-killed or salt-killed vegetation is present.				
	There is evidence that chemicals, fertilizers, and/or oil/grease are present				
	Document element with photo				
Filter Media	The mulch is older than 3 years or in poor condition				
	Excessive trash, debris, or sediment.				
	The filter bed is clogged and/or filled inappropriately				
	Document element with photo				
Underdrain/ Proper Drainage	The perforated pipe is not conveying water (ie standing water, delayed draining)				
	Document element with photo				
Planters	Water does not drain from the reservoir within 3-4 hours of after a storm event.				
	The planter has rots or cracks				
	Document element with photo				
Outlet/ Overflow Spillway	Outlets are obstructed				
	Soil is exposed below the outlet.				
	There is excessive trash, debris, or sediment at the outlet				



City of Portsmouth, VA Privately-Maintained Stormwater Management Facilities

Owner Maintenance Inspection Checklist:

Bio Infiltration

Overall Check	Potential Problem	Yes	No	N/A	Comments
	Any grates present are in good condition				
	Document element with photo				
Observation Well	Is the observation well still capped?				
	Document element with photo				
Overall	There is evidence of standing water				
	Mosquito proliferation				
	Complaints from local residents				
	Document element with photo				

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
Owner Maintenance Inspection Checklist:
Manufactured SWMFs

Inspection Date _____
 Project _____
 Location _____
 Date of Last Inspection _____
 Owner/Owner's Representative _____

Site Plan/Permit Number _____
 Date BMP Placed in Service _____
 Inspector _____

Facility Location:

- Surface
- Underground

Filtration Media:

- No filtration (e.g., dry well, permeable pavement, infiltration facility, etc.)
- Sand
- Peat
- Other: _____
- N/A

Type of Pre-Treatment Facility:

- Sediment forebay (above ground)
- Sedimentation chamber
- Plunge pool
- Stone diaphragm
- Grass filter strip
- Grass channel
- Other: _____
- N/A

Examples of manufactured SWMFs include Contech Filterra systems and StormFilters. General maintenance for these SWMFs can be reviewed in this checklist. In depth maintenance for the manufactured SWMF individually can be found at the manufacturers website. CHECK MANUFACTURER WEBSITE FOR DETAILED INSTRUCTIONS.

Element of BMP (if applicable)	Potential Problem				Comments
		Satisfactory	Unsatisfactory	N/A	
Contributing Drainage Area	Adequate vegetation				
	Excessive trash and debris				
	Evidence of erosion and / or bare or exposed soil				
	Excessive landscape waste or yard clippings				
	Oil, grease or other unauthorized substances are entering the facility				
	Damage to grate				
	By-pass clear				
	Document element with photo				
Pre-Treatment	Adequate access to the pre-treatment facility				
	Excessive trash, debris, or sediment.				
	Evidence of clogging (standing water, noticeable odors, water stains, algae or floating aquatic vegetation, or oil/grease)				
	Evidence of erosion and / or exposed soil				
	Dead vegetation or exposed soil in the grass filter				
	Document element with photo				
Inlets	Check for sediment build-up at curb cuts, gravel diaphragms or pavement edges that prevent flow from getting into the bed, and check for bypassing.				
	Excessive trash, debris, or sediment.				
	Evidence of erosion at or around the inlet				
	Inflow is hindered by trees and/or shrubs.				
	Document element with photo				

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
Owner Maintenance Inspection Checklist:
Manufactured SWMFs

Element of BMP (if applicable)	Potential Problem	Satisfactory	Unsatisfactory	N/A	Comments
Vegetation (if applicable)	Plant composition is consistent with the approved plans and any stakes or wires are in good condition.				
	Grass is too high				
	Vegetation is diseased, dying or dead				
	Winter-killed or salt-killed vegetation is present.				
	Document element with photo				
Underdrain/ Proper Drainage (if applicable)	The perforated pipe is not conveying water as designed				
	The underlying soil interface is clogged (there is evidence on the surface of soil crusting, standing water, the facility does not dewater between storms, or water ponds on the surface of basin for more than 48 hours after an event).				
	Document element with photo				
Outlet/ Overflow Spillway	Outlets are obstructed or erosion and soil exposure is evident below the outlet.				
	There is excessive trash, debris, or sediment at the outlet				
	Any grates present are in good condition				
	Document element with photo				
Overall	Access to the facility or its components is adequate				
	There is evidence of standing water				
	Mosquito proliferation				
	Complaints from local residents				
	Document overall SWMF with photo				

City of Portsmouth, VA
Privately-Maintained Stormwater Management Facilities
Owner Maintenance Inspection Checklist:
Permeable Pavements

Inspection Date _____
 Project _____ Site Plan/Permit Number _____
 Location _____ Date BMP Placed in Service _____
 Date of Last Inspection _____ Inspector _____
 Owner/Owner's Representative _____
 As-Built Plans available: Y / N

Ideally, each permeable pavement installation should be inspected in the Spring of each year, especially at large-scale installations.

Element of BMP	Potential Problems	Satisfactory	Unsatisfactory	N/A	Comments
Contributing Drainage Area	Excessive trash and debris				
	Evidence of bare or exposed soil				
	Excessive landscape waste and yard clippings				
	Document element with photo				
Adjacent Vegetation	Trees and shrubs are within 5 feet of the pavement surface				
	Document element with photo				
Inlets, Pre-Treatment Cells and Flow Diversion Structures	Excessive trash, debris or sediment accumulation				
	There is evidence of exposed soil				
	Evidence of clogging				
	Document element with photo				
Pavement Surface	Mosquitos				
	Evidence of bare or exposed soil in grid paver areas				
	Loose material (e.g., bark, sand, etc.) stored on the pavement surface				
	Pavement is stained and/or clogged				
	Water is ponding, indicating the pavement is not draining properly				
	Document element with photo				
Structural Integrity	Evidence of slumping, cracking, spalling or broken pavers.				
	Document element with photo				
Observation Wells	Is each observation well still capped?				
	Document element with photo				
Outlet	Outlets are obstructed or erosion and soil exposure is evident below the outlet.				
	Document element with photo				

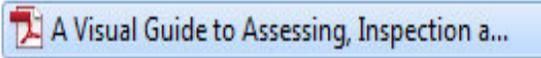
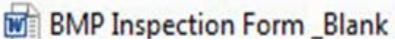
Attachment 3
City Prioritized Inspection

Prioritization Inspections Standard Operating Procedure

Background:

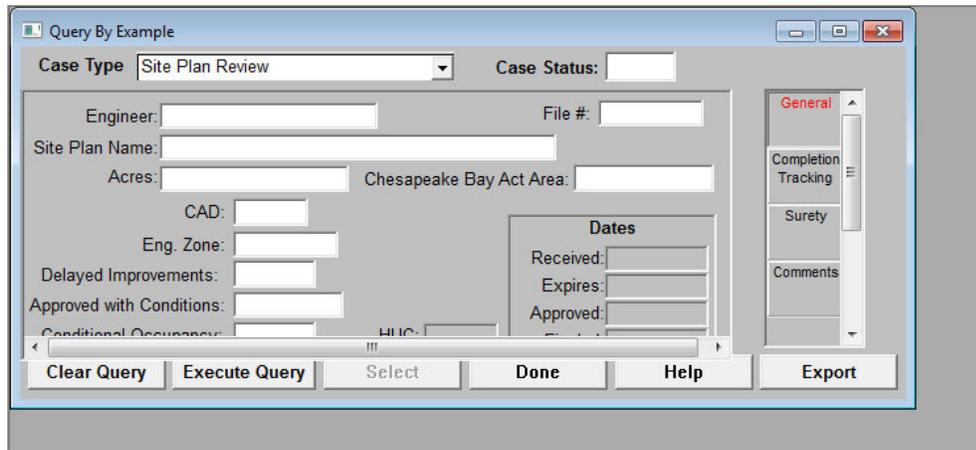
In accordance with the Municipal Separate Storm Sewer System (MS4) permit, it is the City of Portsmouth's (City's) duty to compile an inventory of installed Best Management Practices (BMPs) to be inspected and assessed for functionality. To compile a more complete inventory, updating the City's geographic information system (GIS) layer, and identifying the most functional and least functional facilities, City staff used a procedure known as Prioritization Inspections.

Prioritization Inspections use a rapid visual indicator sequence to rate each BMP visually on a scale of Satisfactory (SAT), Unsatisfactory (UNSAT), or in need of a Forensic BMP Inspection (FBI). This will be a pre-cursor to an official inspection required by the MS4 permit. The official inspection will deploy the inspection policy and procedures provided by CH2M HILL, Inc., and will make clear recommendations to BMP owners to maintain their BMP.

- Preparing
 - a. Design plans or As-builts
 - i. Filing cabinet in office
 - ii. Downtown in engineering
 - iii. Can't find them? That is O.K.
 - b. See: Chesapeake Stormwater Network: A Visual Guide to Assessing, Inspection, and Maintaining LID Practices
 - i. Computer → L drive → Stormwater → BMPs
 - ii. 
 - iii. This presentation highlights the major visual signs that a BMP is not functioning properly. Slide 29 is the beginning of the most important information concerning performing inspections.
 - c. Print a BMP inspection form
 - i. Computer → L drive → Stormwater → BMPs → BMP inspection
 - ii. 
- Performing
 - d. White erase board- take a picture of the board in front of the practice
 - i. Date and Time
 - ii. BMP File number
 - 1. The file number will be listed in Pictometry or with the maintenance agreement
 - iii. Address
 - iv. Practice type
 - (If you cannot find some of this information, simply write "unknown" in its place)
 - e. Take pictures

- f. Note the weather at the time of inspection and last rainfall date and amount in the notes section of the blank form.
- g. Rate the applicable aspect of the practice using the inspection form as SAT or UNSAT
 - i. Note: an aspect of the practice can be SAT and also need attention, you can write specific comments in the comments box.
- h. Rate the BMP overall as:
 - SAT** = BMP has been well maintained
 - UNSAT** = BMP has not been well maintained, deficiencies could be corrected with minor or routine maintenance.
 - FBI** = BMP visually displays sever deficiencies, heavily overgrown might be to the point of inaccessibility.
- i. Prepare the report with photo documentation.
 - i. Save the document & pictures in the BMP inspection folder
 - ii. L drive → Stormwater → BMPs → BMP Inspections → Post Construction
 - iii. Record the last rainfall date and amount, weather at the time of inspection, maintenance agreement status, and the recorded in Pictometry and tidemark status in the notes section. Record the overall SAT, UNSAT, or FBI rating in the notes section.
 - iv. Print 2 copies of inspection. One hard copy to be kept in file cabinet with Maintenance agreements, as-builts, and design plans. One hard copy filed into binder under appropriate SAT, UNSAT or FBI section.
- Tracking
 - j. Access the inspected BMPs spreadsheet
 - i. L drive → Stormwater → BMPs → BMP inspections
 - ii.  Inspected BMPs
 - k. Enter file number, site plan name and address (from Pictometry/ listed with agreement)
 - l. Information for “Quality/Quantity”, “install date”, and “Drainage” is found in Tidemark
 - i. Click QBE icon

 Exit	 New	 Open	 Task List	 QBE	 GIS
---	--	---	--	--	--
 - ii. In the “Case Type” drop down select “Site Plan Review”



iii. Enter the File # into the window, Click “execute Query”

Status	Case Number	Address
FIN	SIT2007-00033	900 PORTSMOUTH BLVD

iv. Hopefully, you will find this and not an empty window (if the window is empty the practice has not been tracked in Tidemark)

v. Double click the highlighted file and you should come to this window

Total Site Area:	.62	Acres
Area Disturbed:	.17	Acres
Existing Impervious Area:	.3	Acres
Proposed Added Impervious Area:	.03	Acres
Total Impervious Area:	.32	Acres
Proposed Added Semi-Impervious Area:	.	Acres
Total Semi-Impervious Area:	.	Acres
Total Semi-Pervious Area:	.	Acres

vi. Select Physical Info – take a screen shot and print this page out

1. Press Alt + PrtScn at the same time

vii. Do the same thing for BMP compliance and BMP data. This information should give you enough to populate missing fields in the inspected spreadsheet. Simply write unknown if this information is not available to you.

- viii. Latitude and longitude of the practice can be found using this website:
1. <http://www.latlong.net/convert-address-to-lat-long.html>
- m. File the screenshots with the hard copy of the inspection in the filing cabinet.

DONE!

A Helpful List of Things You May Need

Auger
Soil Probe
Mag Light
Wrench
White Board
Dry Erase Marker
Camera or Camera Phone
BMP Inspection Form
Pen
Crow Bar
Design Plans or As-builts

Appendix C
Privately Maintained SWMFs Schedule

Privately Maintained Stormwater Management Facilities Schedule

PREPARED FOR: City of Portsmouth, VA
COPY TO: James Wright/City of Portsmouth, VA
PREPARED BY: Monica Stochl/CH2M
DATE: June 20, 2017

The purpose of this technical memorandum is to prioritize and describe the inspection schedule for the City of Portsmouth privately owned stormwater management facilities (SWMFs), as required by the City's MS4 permit. The proposed City policy and procedures for inspecting privately owned SWMFs are described in the draft *Privately Maintained Stormwater Management Facilities Inspection and Maintenance Procedures, CH2M, June 2017*.

The MS4 permit requires the City to complete the following actions for privately maintained SWMFs:

- Inspect all privately maintained facilities with maintenance agreements no less than once per the 5-year permit cycle and perform follow-up activities to ensure the required maintenance has been completed.
- Prepare draft procedures and policies within 12 months of MS4 permit issuance to ensure that inspection and maintenance of privately maintained SWMFs without maintenance agreements are being conducted. The policies are to be tested within 15 months of permit issuance and modified and finalized within 36 months of permit issuance.
- Prepare a written strategy within 12 months of MS4 permit issuance for ensuring maintenance of SWMFs that serve a single residential lot and that do not have maintenance agreements.

The City has limited information available on privately owned SWMFs and information on the current methods to document privately owned SWMFs is provided in the *MS4 Information Management Technical Memorandum, CH2M, June 2017*. For reference, the City maintains hard copy files documenting the SWMFs that have been installed and passed post-construction inspection. The City also maintains a GIS database inventory of the existing SWMFs.

SWMF Inventory

The City personnel will have to inspect all privately maintained SWMFs located in Portsmouth within 5 years of the effective permit date which is June 30, 2021. The privately owned SWMFs were prioritized to create an inspection schedule. The SWMF information from the hard copy files and the GIS inventory database was used to perform the prioritization and create the schedule.

The MS4 permit requires the City to inspect privately owned SWMFs that address water quality treatment and/or water quantity control. Each SWMF was classified as either addressing water quality and quantity or water quantity only. SWMFs installed prior to the year 2000 are assumed to provide water quantity control only. This assumption was developed due to the less conservative inspection and construction process previously in place.

The available SWMF information in the GIS database and hard copy files was used to classify each SWMF as either privately or publicly owned. Further explanation of SWMF ownership is found in *Stormwater Management Facility Maintenance Agreement Summary Technical Memorandum, CH2M, May 2017*.

A classification of SWMF maintenance agreements was performed based on the different versions of the maintenance agreement implemented by the City over time. Prior to 2003, some SWMFs had no maintenance agreements while others noted responsibility of maintenance in a real covenant tied to the property. All SWMFs constructed after 2003 required maintenance agreements. A review of the changes to the City maintenance agreement is provided in the *Stormwater Management Facility Maintenance Agreement Summary Technical Memorandum, CH2M, May 2017*.

Schedule

The inspection schedule was developed based on the prioritization of the SWMFs using the available inventory information. The criteria used for the inspection schedule prioritization are listed in Table 1. Each schedule criterion was defined with scoring categories and the individual SWMFs were given a score from 1 to 5 for each criterion according to the applicable category. With this system, a score of 5 represents the most severe condition and a score of 1 represents the least severe condition. Six of the seven criteria had weights applied to their inspection prioritization score as shown in Table 1. The individual scores for each criterion are found in Attachment 1.

Table 1. SWMF Schedule Prioritization Criteria

Schedule Criteria	Weighted Score	Range
Maintenance agreement	0.20	1.0 – 5.0
SWMF age	0.20	1.0 – 5.0
Time since last inspection	0.15	1.0 – 5.0
Treatment area	0.15	1.0 – 5.0
Facility type	0.15	1.0 – 5.0
History of problems	0.15	1.0 – 5.0
Proximity to other SWMFs	0.00	A - E

Maintenance Agreement

The SWMF maintenance agreements are described in the *Stormwater Management Facility Maintenance Agreement Summary Technical Memorandum, CH2M, May 2017*. The existence of an executed maintenance agreement was determined based on reviewing SWMF design and construction plans and SWMF GIS database inventory information. Some of the SWMFs do not have maintenance agreements and they were given a higher priority for inspection to determine if any maintenance has occurred since construction of the SWMF. Maintenance agreement scoring was based on the existence or lack of an executed maintenance agreements. Maintenance agreements are very important to the upkeep of the SWMF, and for this reason, all SWMFs without maintenance agreements were given the highest score of 5.0. SWMFs with maintenance agreements were given the lowest score of 1.0.

Table 2. Maintenance Agreement Criteria

Maintenance Agreement	Score
No	5.0
Yes	1.0

SWMF Age

SWMF age can be a significant indicator of the SWMF condition. As previously discussed, SWMF maintenance agreements have become more stringent over time and SWMF design and construction standards have also improved over the years. The evolution of maintenance agreements and design and construction standards suggest using SWMF age as a criterion. Older SWMFs were given a higher score, while newer SWMFs were given a lower score. Table 3 describes the SWMF age scoring categories.

Table 3. SWMF Age Criteria

Installation Year	Score
Older than 1990	5.0
1990-1999	4.0
2000-2003	3.0
2003-2008	2.0
Younger than 2008	1.0

Time Since Last Inspection

Higher priority was given to SWMFs that have no records of being inspected by City staff. A very small number of SWMFs were inspected by City staff in 2016 and 2017, and these SWMFs were given lower priority. Table 4 describes the scoring categories for the time since last inspection criteria.

Table 4. Time Since Last Inspection Criteria

Inspection Year	Score
No inspection	5.0
2016	2.0
2017	1.0

The SWMFs inspected in Permit Year (PY) 1 (PY1 2017) were added to the list of inspections slated for PY1 even though their inspection priority score may indicate a later PY for inspection. The MS4 permit states that each private SWMF must be inspected at least once for every 5-year permit term so it is not necessary to re-inspect these SWMFs in a later PY.

Treatment Area

The contributing treatment area, or drainage area, for each SWMF was evaluated for inspection schedule prioritization. The treatment area criterion scoring categories were developed using the actual range of SWMF treatment areas. SWMFs with large contributing treatment areas were given higher scores because they provide greater overall pollutant reduction. Each of the SWMF treatment areas were delineated in GIS. A graph of the treatment area values was plotted as shown in Figure 1, and breaking points in the curve were used to determine scoring categories. The treatment area scoring categories are described in Table 5.

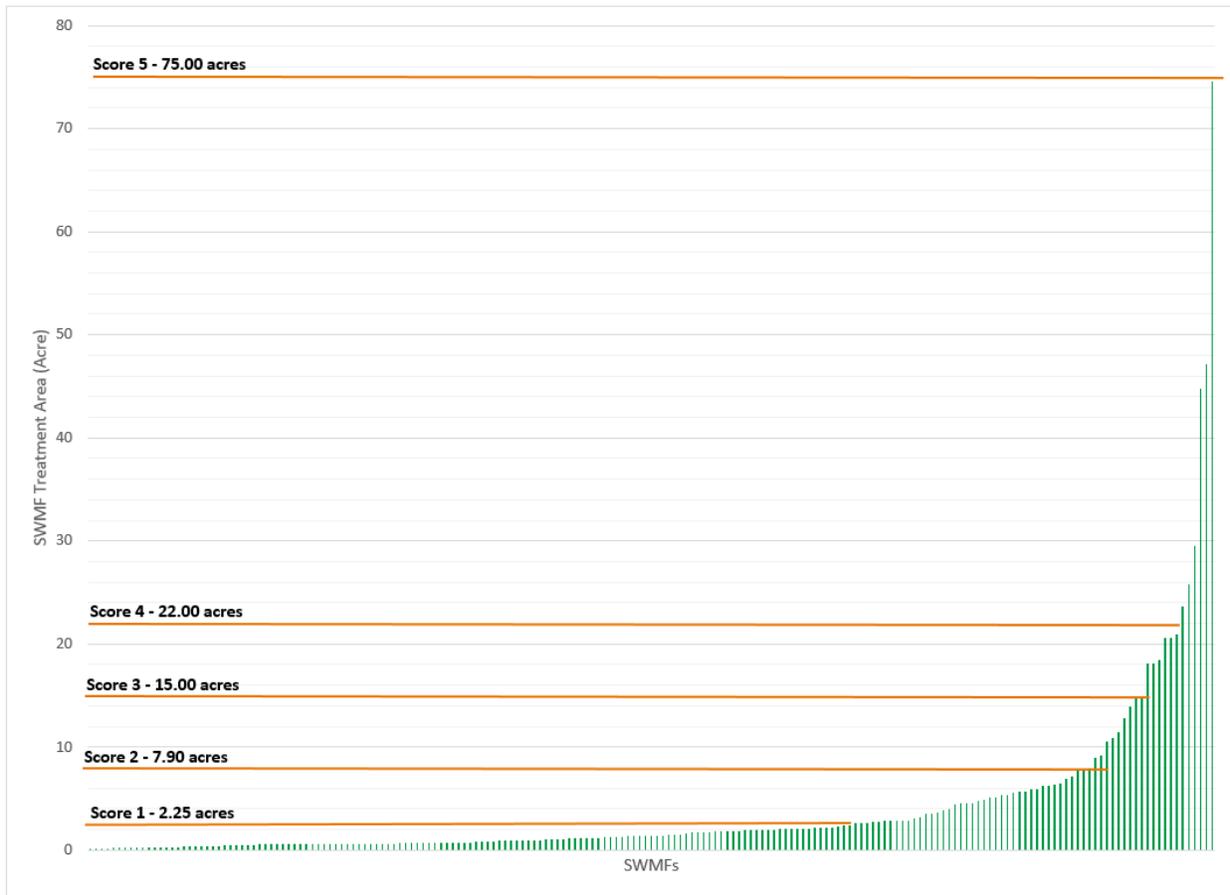


Figure 1. SWMF Treatment Area Graph for Score

Table 5. Treatment Area Criteria

SWMF Treatment Area (Acre)	Score
> 22.0	5.0
21.9 - 15.0	4.0
14.9 – 7.9	3.0
7.8 – 2.3	2.0
< 2.3	1.0

Facility Type

The facility type was evaluated because certain types of SWMFs involve more maintenance than others. Wet retention ponds do not require much maintenance, while manufactured treatment devices and permeable pavements should be inspected and cleaned regularly. SWMFs requiring more maintenance were given higher priority than those SWMFs that can function properly without much maintenance. The facility type scoring categories are provided in Table 6.

Table 6. Facility Type Criteria

Facility Type	Score
Green roof, filterra, sand filtration, stormceptor, stormfilter, bioretention filter	5.0
Hydrodynamic separator, permeable pavers, pervious concrete, porous concrete, porous pavement, underground detention	4.0
Infiltration, perforated pipe, swale, vegetated filter strip	3.0
Grass swale, gravel trench	2.0
Bioretention, constructed wetland, wet pond, extended detention, detention, dry pond, manhole, mulched bed, other/unknown*	1.0

History of Problems

During the inspections performed by City personnel in 2016 and 2017, some SWMFs were found to be unsatisfactory due to lack of previous maintenance which has caused the SWMF to no longer be in working order, for example a clogged drainage in bioretention. The results of these inspections were used to determine if a SWMF had a previous history of problems and, if so, these SWMFs were given a higher priority. If a SWMF was inspected and had no history of problems, it was given a lower priority. If there was no inspection history for a SWMF, it was given a score of 3.0. The scoring categories for the SWMF performance history are provided in Table 7.

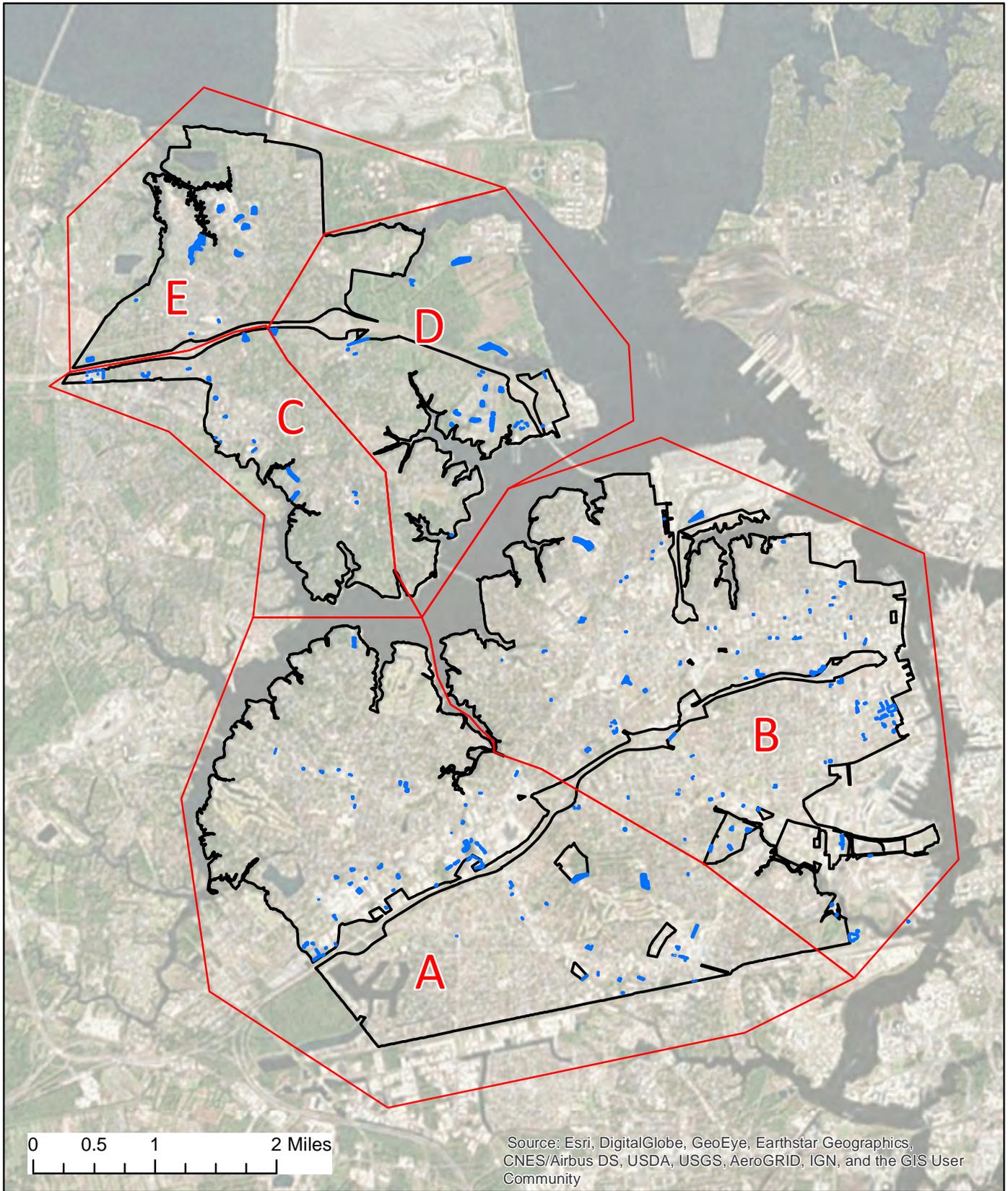
Table 7. History of Problems Criteria

Problem Classification	Score
Unsatisfactory	5.0
N/A	3.0
Needs More Information	2.0
Satisfactory	1.0

Proximity to Other SWMFs

The criterion for proximity to other SWMFs was not given a weighted score, but was taken into consideration in creating the inspection schedule. The proximity to other SWMFs was used to help minimize the travel time for City personnel during inspections. All SWMFs located on the same property were given a combined score so City personnel do not have to return to a property to inspect nearby SWMFs at a different time.

Greater proximity between SWMFs was considered in scheduling by creating five geographic zones as shown in Figure 2. The SWMF zone locations were used to help reduce the distance and travel time between SWMF inspections. The total SWMF inspection priority score was calculated for each SWMF by adding all the individual prioritization scores. The average SWMF inspection priority scores were calculated for the zones and are shown in Table 8. The zone with the highest average score was Zone E and the SWMFs located in this zone were given a higher inspection priority when geographically grouping SWMFs for the inspection schedule.



LEGEND

- Privately Maintained SWMF Inspection Zones
- Privately Maintained SWMF
- Portsmouth MS4 Preliminary Service Area



FIGURE 2

Privately Maintained SWMF Inspection Zones
Privately Maintained SWMF Inspection Schedule
City of Portsmouth, VA MS4 Permit and Program

Table 8. Zone Score Averages

Zone	Score Average
A	2.88
B	2.93
C	3.08
D	3.20
E	3.56

The zone priority based on the average score was used to make schedule adjustments to geographically group some of the SWMFs. It is assumed that an average of ten SWMFs will be inspected by City personnel in a week and the geographic grouping of SWMFs was evaluated so that at least ten SWMFs in one zone are included in each schedule year.

Summary

The total number of SWMFs to be inspected was divided by five to determine the average number of SWMFs that should be inspected each PY so that the work is spread evenly during the permit term. The individual SWMF inspection priority scores were used to create the initial schedule so that the SWMFs with higher scores are given higher priority and scheduled earlier. For properties with more than one SWMF at the address, the SWMF with the highest score was used to prioritize all the properties at the address. SWMFs with lower scores are scheduled for inspection later in the permit term.

The 30 pilot maintenance agreement program SWMFs, as described in the *Stormwater Management Facility Maintenance Agreement Summary, CH2M, June 2017*, were given a higher priority and are scheduled in PY1 and PY2. SWMFs with lower inspection priority scores were scheduled earlier as needed to complete a geographic grouping of ten SWMFs for weekly scheduling of proximate SWMFs. The number of SWMFs to be inspected in each PY are summarized in Table 9 and the inspection schedule is provided in Table 10.

Table 9. Number of SWMFs Inspected during Permit Year

Permit Year	Number of SWMFs
PY1	43
PY2	45
PY3	42
PY4	49
PY5	51

Table 10. Privately Maintained SWMF Inspection Schedule

SWMF City File Number	Site Plan	Address	Installation Year	Treatment Area	Facility Type	Quality vs Quantity	History of Problems	Maintenance Agreement	SWMF Score	Pilot SWMF	Inspection Zone	Inspection Date	Inspection Schedule Permit Year					
													PY1	PY2	PY3	PY4	PY5	
S9601	Lake Shores	601 Potomac Ave	1999	44.77	Wet pond	Quantity	N/A	No	4.50	X	B		PY1					
Long Pt Lake	Long Point Lake	3923 Long Point Boulevard	1960	74.60	Wet pond	Quantity	N/A	No	4.25	X	E		PY1					
C0302	Southeastern Freight Co.	2655 Elmhurst Lane	1899	6.25	Swale	Quantity	N/A	No	4.22	X	A		PY1					
C0302	Southeastern Freight Co.	2655 Elmhurst Lane	1899	5.65	Dry pond	Quantity	N/A	No	3.88	X	A		PY1					
C9405	River Pointe Lake	7 River Reach Close	1899	18.44	Wet pond	Quantity	N/A	No	4.18	X	D		PY1					
C9914	SCI-Pinners Point Rail Loading	6 Harpers Ave.	1899	47.16	Wet pond	Quantity	N/A	No	4.17	X	B		PY1					
Lake Willis	Sweetbriar (Lake Willis)	3000 Ferguson Dr	1950	18.15	Wet pond	Quantity	N/A	No	4.16		C		PY1					
Lake Pam	Lake Pam	418 Pennington Blvd	1950	23.65	Wet pond	Quantity	N/A	No	4.10		A		PY1					
M9703	DEEP CREEK VILLAGE	4517 Deep Creek Blvd	1899	29.50	Dry pond	Quantity	N/A	No	4.26	X	A		PY1					
S0502	Newport Subdiv Phase 1B, Sections	3186 Greenwood Dr	1899	25.83	Wet pond	Quantity	N/A	No	4.18	X	A		PY1					
C9713	Churchland House	4916 West Norfolk Road	1899	6.37	Swale	Quantity	N/A	No	4.06	X	D		PY1					
C9922	Sign Shop and Mini Storage	3401 Airline Blvd.	1899	7.70	Wet pond	Quantity	N/A	No	4.01		A		PY1					
C9922	Sign Shop and Mini Storage	3401 Airline Blvd.	1899	1.75	Dry pond	Quantity	N/A	No	3.62		A		PY1					
C0114	Cheshire Grill Parking	627 King Street	1899	0.84	Underground detention	Quantity	N/A	No	3.97	X	B		PY1					
S9401	The Pointe at River Point	3812 Falling River Reach River Point Road	1997	13.90	Wet pond	Quantity	N/A	No	4.00	x	D		PY1					
S0302	Villas River point	1 Guardhouse Way	1899	10.88	Wet pond	Quantity	N/A	No	4.00	X	D		PY1					
C0010	Mt. Sinai Annex	2603 Chestnut Street	1899	0.01	Infiltration	Quantity	Unsatisfactory	No	3.50		B	4/5/2017	PY1					
C0825	Cingular Cell Tower	2600 Airline Blvd	2010	1.19	Permeable Pavers	Both	Satisfactory	Yes	1.68		A	7/18/2016	PY1					
C0023	Design Assistance Const. Syste	900 Portcentre Parkway	1899	5.87	Wet pond	Quantity	Unsatisfactory	No	3.59		B	2/24/2017	PY1					
C1016.2	Office & Warehouse	3704 Adams St	1899	1.22	Filtrerra	Quantity	Satisfactory	No	3.28		D	4/7/2017	PY1					
C1016.1	Office & Warehouse	3704 Adams St	1899	0.40	Dry pond	Quantity	Satisfactory	No	2.63		D	4/7/2017	PY1					
C0012	Citgo	1428 Effingham Street	1899	0.27	Infiltration	Quantity	Need More Information	No	3.06		B	4/5/2017	PY1					
C0304	Wright's Engineering & Design	702 5th Street	1899	3.54	Wet pond	Quantity	Need More Information	No	2.99		B	2/24/2017	PY1					
C0305	Excellent comm Cleaners	711 Portcentre Parkway	1899	0.67	Swale	Quantity	Satisfactory	No	2.94		B	3/10/2017	PY1					
C0015	Social Security Admin	3305 Airline Blvd	1899	6.90	Dry pond	Quantity	Satisfactory	No	2.87		A	7/18/2017	PY1					
C9519	Office/Warehouse for Image Con	50 Beechdale	1997	2.14	Infiltration	Quantity	Satisfactory	No	2.84		A	3/27/2017	PY1					
C0205	Portcentre Office/Warehouse	901 Portcentre	1899	1.99	Dry pond	Quantity	Need More Information	No	2.80		B	4/5/2017	PY1					
C9829	Carolina Fire Control	600 Port Centre Parkway	1899	0.72	Dry pond	Quantity	Need More Information	No	2.80		B	3/7/2017	PY1					
C9812	Social Services Facility	601 Portcentre Parkway	1899	1.41	Dry pond	Quantity	Satisfactory	No	2.69		B	3/23/2017	PY1					
C9704	Life Care Assisted Living Faci	1 Bon Secours Way	1997	3.53	Dry pond	Quantity	Satisfactory	No	2.64		C	7/28/2017	PY1					
C0313	Premier Copper and Brass	500 Premier Pl	2003	1.05	Extended detention	Both	Satisfactory	No	2.27		B	3/7/2017	PY1					
C1114	CVS Pharmacy #5501	3555 Airline Blvd	2012	0.81	Stormfilter	Both	Unsatisfactory	Yes	2.20		A	1/1/2017	PY1					
C0436	Greenwood Industrial Park	4007 Seaboard Ct	2005	2.13	Dry pond	Both	Need More Information	No	2.21		A	3/27/2017	PY1					
C9514	Office/Warehouse for B&R Const	30 Beechdale Commerce Park-Lot	1899	1.38	Infiltration	Quantity	Satisfactory	Yes	2.19		A	3/21/2017	PY1					
C0538	YMCA Improvements	4900 High St W	2006	2.78	Dry pond	Both	Unsatisfactory	Yes	1.99		C	3/9/2017	PY1					
C0518	Dow Construction Office/ Warehouse	800 Portcentre Pkwy.	2005	2.12	Bioretention basin	Both	Unsatisfactory	Yes	1.94		B	3/10/2017	PY1					
C0643	Syke's Truck Center	3300 AIRLINE BLVD	1899	0.52	Wet pond	Quantity	Satisfactory	Yes	1.83		A	7/18/2017	PY1					
C0707	700 PortCentre	700 PortCentre Parkway	2007	2.59	Swale	Both	Need More Information	Yes	1.82		B	3/10/2017	PY1					
C-0704	Building Addition, Challenge Builders LLC	400/300 PortCentre	1999	0.01	unknown	Quantity	Need More Information	Yes	1.75		B	4/5/2017	PY1					
M0303	Whispering Oaks	3400 Glasgow St	2003	7.12	Wet pond	Both	Satisfactory	Yes	1.68		B	3/23/2017	PY1					
C0745	BCR Properties	620 Lincoln Street	2008	2.40	Dry pond	Both	Need More Information	Yes	1.51		B	3/7/2017	PY1					
C0727	Mt. Sinai Church Addition	900 Portsmouth Blvd	2008	0.64	Dry pond	Both	Need More Information	Yes	1.39		B	4/5/2017	PY1					
C0706	Multi Textile	500 Lincoln Street	2007	1.08	Dry pond	Both	Need More Information	Yes	1.38		B	3/7/2017	PY1					
C0905	Royal Forms - Towne Point	3500 Towne Point Rd	2009	5.17	Wet pond	Both	Need More Information	Yes	1.38		C	2/17/2017	PY1					
C0732	Salvation Army	2306 Airline Blvd.	2008	1.13	Dry pond	Both	Satisfactory	Yes	1.23		A	4/7/2017	PY1					

Table 10. Privately Maintained SWMF Inspection Schedule

SWMF City File Number	Site Plan	Address	Installation Year	Treatment Area	Facility Type	Quality vs Quantity	History of Problems	Maintenance Agreement	SWMF Score	Pilot SWMF	Inspection Zone	Inspection Date	Inspection Schedule Permit Year				
													PY1	PY2	PY3	PY4	PY5
M9601	VILLAGE APARTMENTS	2304 Victory Boulevard	1998	18.41	Dry pond	Quantity	N/A	No	3.98	X	A						PY2
S9404	Bishop's Green Phase 1	5908 Hampshire Grn	1999	27.15	Wet pond	Quantity	N/A	No	3.91	X	E						PY2
B8801 2	Hampton Roads Regional Jail	2690 Elmhurst Lane	1899	11.46	Wet pond	Quantity	N/A	No	3.88	X	A						PY2
B8801 3	Hampton Roads Regional Jail	2690 Elmhurst Lane	1899	9.01	Wet pond	Quantity	N/A	No	3.82	X	A						PY2
B8801 1	Hampton Roads Regional Jail	2690 Elmhurst Lane	1899	4.74	Wet pond	Quantity	N/A	No	3.70	X	A						PY2
C9907	Fraternal Order of Police Park	417 County St	1899	1.31	Swale	Quantity	N/A	No	3.89	X	B						PY2
S9801	Hidden Cove 1	5943 Eagle Pt	1999	20.39	Wet pond	Quantity	N/A	No	4.11	X	E						PY2
S9801	Hidden Cove 2	5943 Eagle Pt	1999	15.14	Wet pond	Quantity	N/A	No	3.76	X	E						PY2
C9517	Girls Incorporated	5905 Portsmouth Boulevard	1899	0.91	Swale	Quantity	N/A	No	3.86	X	A						PY2
C9501	Grant's Adult Care Facility	3720 Deep Creek Boulevard	1899	0.90	Swale	Quantity	N/A	No	3.86	X	B						PY2
C9916	Waverton Associates, Inc.	4021 Seaboard Court	1899	5.30	Dry pond	Quantity	N/A	No	3.71	X	A						PY2
C9418	Effingham Comfort Inn	347 Effingham Street	1899	0.71	Infiltration	Quantity	N/A	No	3.85	X	B						PY2
C9813	Mid-Atlantic Bell-Com	701 PortCentre Parkway	1899	2.19	Swale	Quantity	N/A	No	3.95	X	B						PY2
C9813	Mid-Atlantic Bell-Com	701 PortCentre Parkway	1899	0.32	Dry pond	Quantity	N/A	No	3.52	X	B						PY2
S9404	Bishop's Green Phase 2b (hidden cove 3)	5911 Eagle Pt	1999	19.40	Wet pond	Quantity	N/A	No	4.04	X	E						PY2
C9823	West Park Church of God	926 Cherokee Rd	1899	0.54	Infiltration	Quantity	N/A	No	3.84		A						PY2
C0522	West Park Church of Christ Addition	926 Cherokee Rd	2005	1.41	Dry pond	Both	N/A	Yes	2.14		A						PY2
S9404	Bishop's Green Phase (Stonemill Estates)	5904 Sturbridge Way	1999	16.13	Wet pond	Quantity	N/A	No	3.83	X	E						PY2
C0204	Brickcraft Masonry Office	624 Dunedin Road	1899	0.70	Swale	Quantity	N/A	No	3.81	X	A						PY2
C9734	Trinity Temple Church	2430 Graham Street	1899	0.65	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0907	Kingdom Hall of Jehovah's Witnesses	4050 Elliott Ave	1899	4.73	Unknown	Quantity	N/A	No	3.82	x	A						PY2
C0129	Parkview Boat (Portsmouth Yach	20 Elm Avenue	1899	0.58	Infiltration	Quantity	N/A	No	3.84	X	B						PY2
C9716	Monumental United Methodist Ch	435 Washington St	1899	0.43	Swale	Quantity	N/A	No	3.81	X	B						PY2
C9504	Mt. Zion Tabernacle Church	3100 Deep Creek Boulevard	1899	0.28	Swale	Quantity	N/A	No	3.81	X	B						PY2
C0010 bmp #8	Mt. Sinai Annex	2603 Chestnut Street	1899	0.02	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0010 bmp #6	Mt. Sinai Annex	2603 Chestnut Street	1899	0.02	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0010 bmp #5	Mt. Sinai Annex	2603 Chestnut Street	1899	0.02	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0010 bmp #2	Mt. Sinai Annex	2603 Chestnut Street	1899	0.02	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0010 bmp #3	Mt. Sinai Annex	2603 Chestnut Street	1899	0.04	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0010 bmp #9	Mt. Sinai Annex	2603 Chestnut Street	1899	0.03	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0010 bmp#10	Mt. Sinai Annex	2603 Chestnut Street	1899	0.01	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0010 bmp #4	Mt. Sinai Annex	2603 Chestnut Street	1899	0.03	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
C0010 bmp #7	Mt. Sinai Annex	2603 Chestnut Street	1899	0.01	Infiltration	Quantity	N/A	No	3.80	X	B						PY2
Westbury2	WESTBURY #2	1139 South St	1899	7.97	Wet pond	Quantity	N/A	No	3.80	x	B						PY2
Westbury1	WESTBURY #1	1139 South St	1899	2.07	Wet pond	Quantity	N/A	No	3.54	x	B						PY2
Lake Sweetbriar	Sweetbriar (Lake Sweetbriar)	5225 Amherst Dr	1950	7.85	Wet pond	Quantity	N/A	No	3.80		C						PY2
C0214	Miracle of Faith Church	30 Claremont Dr	1899	3.91	Dry pond	Quantity	N/A	No	3.69		A						PY2
C9804	Superior Marble & Stone Expans	3100 Frederick Blvd	1998	2.25	Swale	Quantity	N/A	No	3.75	x	B						PY2
M9402	CENTRE PORT1	1 Centre Port Cir	1994	6.48	Wet pond	Quantity	N/A	No	3.73		D						PY2
C0025	Cinta's Corp	2707 Smithfield Road	1899	4.44	Wet pond	Quantity	N/A	No	3.80		A						PY2
C1001	American Classic Self-Storage	3671 Gateway Drive	1899	1.19	Dry pond	Quantity	N/A	No	3.58		E						PY2
C0613	Hampton Roads Crossing Tri-Cities Center	1070 University Blvd.	2007	20.95	Wet pond	Both	N/A	No	3.37		E						PY2
C0606	New Berean Baptist Church Addition	3600 Bamboo Road	2010	2.02	Sand filtration	Both	N/A	Yes	2.63		E						PY2
C0434	Churchland North Baptist Church	3728 Centenary RD	2005	1.72	Swale	Both	N/A	Yes	2.51		E						PY2

Table 10. Privately Maintained SWMF Inspection Schedule

SWMF City File Number	Site Plan	Address	Installation Year	Treatment Area	Facility Type	Quality vs Quantity	History of Problems	Maintenance Agreement	SWMF Score	Pilot SWMF	Inspection Zone	Inspection Date	Inspection Schedule Permit Year				
													PY1	PY2	PY3	PY4	PY5
S9921	MARINER AVE	3801 Mariner Ave	1899	2.82	Dry pond	Quantity	N/A	No	3.69		D					PY3	
C0122	Steven Lang Office	6224 Portsmouth Blvd	1899	3.25	Dry pond	Quantity	N/A	No	3.72		A					PY3	
C0535	Cargoways Logistics	3600 Elm Avenue	2006	14.76	Dry pond	Both	N/A	No	3.38		B					PY3	
M9602	Egrets Cove	2 Creekside Ct	1997	5.08	Wet pond	Quantity	N/A	No	3.53		D					PY3	
C9816	Portsmouth Christian Scho	3212 Elliot Avenue	1899	1.79	Dry pond	Quantity	N/A	No	3.55		A					PY3	
C9629	Lindad, Inc	2600 Airline Blvd	1899	1.77	Dry pond	Quantity	N/A	No	3.62		A					PY3	
M9603	ARBOUR REACH APARTMENTS	3622 Tejo Lane	1996	4.60	Dry pond	Quantity	N/A	No	3.51		C					PY3	
SEVENTH ST	0 SEVENTH ST	202 Seventh St	1899	1.41	Wet pond	Quantity	N/A	No	3.59		B					PY3	
C9810	ST. Mark's Missionary Baptist	2714 Frederick Boulevard	1899	1.36	Dry pond	Quantity	N/A	No	3.59		B					PY3	
C9618	Rite Aid #4261	3300 Academy Avenue	1899	1.19	Dry pond	Quantity	N/A	No	3.58		C					PY3	
S0301	ESTATES AT RIVERPOINTE	6 Waterview Ct	2003	10.54	Wet pond	Both	N/A	No	3.58		D					PY3	
M9702	STERLING COVE	3162 Sterling	1997	3.94	Dry pond	Quantity	N/A	No	3.56		C					PY3	
C0117	Popeye's-London Blvd	1020 London Blvd	1899	0.92	Dry pond	Quantity	N/A	No	3.50		B					PY3	
S0601	Newport Phase 1B, Section 2	2749 Greenwood Dr.	2007	18.14	Wet pond	Both	N/A	No	3.42		A					PY3	
C0207	Plasmacare	1221 London Blvd	1899	0.77	Dry pond	Quantity	N/A	No	3.55		B					PY3	
S0101	RIVERPOINTE SECTION 5	1 Riverpointe Lane	1994	3.69	Wet pond	Quantity	N/A	No	3.55		D					PY3	
C9718	Foster Funeral Home Parking Lo	1926 High Street	1899	0.47	Dry pond	Quantity	N/A	No	3.53		B					PY3	
C9615	Dept. of Motor Vehicles Bldg	6400 Bickford Pkwy	1899	0.45	Dry pond	Quantity	N/A	No	3.53		C					PY3	
C0802	AAAA Storage bmp #2	2206 Victory Blvd	2008	1.03	Filterra	Both	N/A	No	3.53		A					PY3	
C0118	Rally's	5105 George Washington Hwy	1899	0.36	Dry pond	Quantity	N/A	No	3.52		A					PY3	
S0201	Gwaltney Acres Pond	4 Gwaltney Ct	2004	12.76	Wet pond	Both	N/A	No	3.52		A					PY3	
C9516	ST. Andrews United Methodist C	2210 Portsmouth Boulevard	1899	0.92	Dry pond	Quantity	N/A	No	3.56		A					PY3	
C0113	Attel Switch Facilities	606 Chautauqua Ave.	1899	0.72	Dry pond	Quantity	N/A	No	3.55		B					PY3	
C9612	Dr. Dodson et al- lot B-1	3116 Tyre Neck Road	1899	0.69	Dry pond	Quantity	N/A	No	3.55		C					PY3	
C9809	Grove Park Baptist Church	1400 Rodman Avenue	1899	0.22	Dry pond	Quantity	N/A	No	3.50		B					PY3	
C9913	Portsmouth metal Stamping, Imc	548 Virginia Avenue	1899	0.43	Dry pond	Quantity	N/A	No	3.51		B					PY3	
C9706	Western Branch Metals	2401 Wesley Street	1899	0.34	Dry pond	Quantity	N/A	No	3.51		B					PY3	
C0215	Empowerment 2010	2001 Queen Street	1899	0.12	Dry pond	Quantity	N/A	No	3.50		B					PY3	
C9917	Teddy Bear Learning Center	1218 Cavalier Blvd.	1899	0.25	Dry pond	Quantity	N/A	No	3.52		A					PY3	
C0208	Mt. Carmel Baptist Church	3310 Deep Creek Blvd	1899	0.10	Dry pond	Quantity	N/A	No	3.50		B					PY3	
C0523	Parking Lot Expansion for Mt. Carmel Ba	3310 Deep Creek Blvd	2006	0.79	Dry pond	Both	N/A	Yes	2.15		B					PY3	
C0710	Commercial Ready Mix Products	1125 Victory Blvd	1899	5.70	Swale	Quantity	N/A	Yes	3.24		B					PY3	
C0710	Commercial Ready Mix Products	1125 Victory Blvd	1899	2.12	Wet pond	Quantity	N/A	Yes	2.84		B					PY3	
S0702	First Watch At River Pointe	0 West Norfolk Road	2012	22.36	Wet pond	Both	N/A	No	3.30		D					PY3	
C0545	Western Branch Diesel	3504 Shipwright Street	2006	0.80	Swale	Both	N/A	No	3.25		D					PY3	
C0533	APM Marine Container Terminal - Tempora	4701 Wyatt Dr	2005	2.13	Dry pond	Both	N/A	No	2.94		D					PY3	
C0507	APM Marine Container Terminal - Yard Si	4701 Wyatt Dr	2005	20.64	Wet pond	Both	N/A	Yes	2.93		D					PY3	
C0403	The River Shops (Formerly K-2 Mart)	4408 West Norfolk Rd	2004	1.89	Dry pond	Both	N/A	No	2.95		D					PY3	
C1010	Propose Pool & Concrete Patio	3119 Riveredge Dr.	2010	0.37	Mulched Bed	Both	N/A	No	2.72		D					PY3	
C0636	Adam Street Warehouse (Phase 2)	3708 Adam Street	2007	0.25	Filterra	Both	N/A	Yes	2.72		D					PY3	
C0636	Adam Street Warehouse (Phase 2)	3708 Adam Street	2007	0.82	Swale	Both	N/A	Yes	2.45		D					PY3	
C0426	Flint Contracting - Office Trailers &	3712 Adams Street	2004	1.34	Infiltration	Both	N/A	Yes	2.49		D					PY3	
C0404	Churchland House Addition	4916 West Norfolk Rd	2004	2.86	Extended detention	Both	N/A	Yes	2.29		D					PY3	

Table 10. Privately Maintained SWMF Inspection Schedule

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													PY1	PY2	PY3	PY4	PY5
C0743 F13	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C					PY4	
C0743 F5	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.32		C					PY4	
C0743 F6	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.34		C					PY4	
C0743 F7	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C					PY4	
C0743 F10	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.34		C					PY4	
C0743 F17	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C					PY4	
C0743 F9	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.34		C					PY4	
C0743 F11	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C					PY4	
C0743 F14	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.30		C					PY4	
C0743 F8	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C					PY4	
C0743 F12	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C					PY4	
C0743 F15	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.30		C					PY4	
C0743 F16	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C					PY4	
C0743 swale	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Grass swale	Both	N/A	No	2.89		C					PY4	
C0322	WAWA Portsmouth	3400 Western Branch Blvd	2005	1.50	Dry pond	Both	N/A	Yes	2.14		C					PY4	
RW0804	Ebony Heights West PHASE I		2011	12.20	Wet pond	Both	N/A	No	3.29		C					PY4	
C0327	Portsmouth Christian Outreach Center	910 Seventh St	2004	0.68	Swale	Both	N/A	No	3.25		B					PY4	
C0906	South Bay Apartments Additon BMP #1	South Street	2010	5.84	Infiltration	Both	N/A	No	3.25		B					PY4	
C0712	Proposed Residential Subdivision 5100 Deep Creek Blvd	5100 Deep Creek Blvd	2007	0.58	Infiltration	Both	N/A	No	3.22		A					PY4	
C0813	First Baptist Church - Addition	1445 Centre Ave	2008	0.17	Swale	Both	N/A	No	3.20		B					PY4	
C1023	Portsmouth Humane Society	4022 Seaboard Ct	2012	5.86	Wet pond	Both	N/A	No	3.09		A					PY4	
C0717	Proposed Office/Shop	4813 Portsmouth Blvd	1899	0.90	Swale	Quantity	N/A	Yes	3.02		A					PY4	
C0402	Sonic Drive-In	5755 Portsmouth Blvd	2004	2.39	Dry pond	Both	N/A	No	3.06		A					PY4	
C1123	BB&T	5515 Portsmouth Blvd	2011	0.68	Perforated pipe	Both	N/A	No	3.02		A					PY4	
S0701 bmp 4	New Gosport Portsmouth MN - Navy Housing	129 Morningside Dr	2010	5.11	Wet pond	Both	N/A	No	3.04		B					PY4	
S0701	New Gosport Portsmouth MN - Navy Housing	129 Morningside Dr	2010	2.25	Wet pond	Both	N/A	No	2.85		B					PY4	
S0701 bmp 2	New Gosport Portsmouth MN - Navy Housing	129 Morningside Dr	2010	2.07	Wet pond	Both	N/A	No	2.84		B					PY4	
S0701 bmp 3	New Gosport Portsmouth MN - Navy Housing	129 Morningside Dr	2010	1.29	Wet pond	Both	N/A	No	2.79		B					PY4	
C1115	First Church of the Nazarene Parking Lot	2512 Barclay Ave	2012	0.23	Swale	Both	N/A	No	3.00		A					PY4	
C0405	East Coast Auto Tranport	2906 Elmhurst Ln	2004	1.24	Other	Both	N/A	No	2.98		A					PY4	
MO401	The Heights at Olde Towne	301 Green St	2004	1.96	Other	Both	N/A	No	2.94		B					PY4	
C0813	First Baptist Church Addition	1445 Centre Avenue	2008	0.28	Mfg BMP system	Both	N/A	No	2.92		B					PY4	
S0304	Kings Gate Crossing Subdivision	3110 Airline Blvd.	2006	14.88	Dry pond	Both	N/A	Yes	2.87		A					PY4	
C1204	Beach Marine Properties, LLC	801 Victory Blvd	2013	1.58	Extended detention	Both	N/A	No	2.81		B					PY4	
C0505	Beach Marine Services	801 Victory Blvd	2005	2.69	Extended detention	Both	N/A	Yes	2.28		B					PY4	
C1116	manufactured	O' Reilly's Auto Parks	2008	0.63	Mfg BMP system	Both	N/A	No	2.74		A					PY4	
C1116	O' Reilly's Auto Parks	2008 Victory Blvd	2012	0.55	Dry pond	Both	N/A	Yes	1.94		A					PY4	
M0703	Phoebus Square Apartments	1116 County Street	2008	1.05	Stormfilter	Both	N/A	Yes	2.77		B					PY4	
M0703	Phoebus Square Apartments	1116 County Street	2008	1.05	Underground detention	Both	N/A	Yes	2.62		B					PY4	
C1107 bmp 1B	Guiding Light Apostolic Church	103 Cavalier Blvd.	2011	0.14	Bioretention basin	Both	N/A	No	2.71		A					PY4	
C1107 bmp 1A	Guiding Light Apostolic Church	103 Cavalier Blvd.	2011	0.12	Bioretention basin	Both	N/A	No	2.71		A					PY4	
C1107	Guiding Light Apostolic Church	103 Cavalier Blvd.	2011	0.12	Permeable Pavers	Both	N/A	Yes	2.36		A					PY4	
C1308	Kroger	1301 Frederick Blvd	2015	23.95	Wet pond	Both	N/A	Yes	2.63		B					PY4	
C1013 bmp#2	CVS, Store # 4520	1800 Frederick Blvd.	2011	1.76	Stormfilter	Both	N/A	Yes	2.55		B					PY4	
C1013 bmp#1	CVS, Store #4520	1800 Frederick Blvd.	2011	1.76	detention	Both	N/A	Yes	2.47		B					PY4	
C0536	Cleanarama Cleaners	3204 Tyre Neck Road	2006	1.18	Dry pond	Both	N/A	Yes	2.18		C					PY4	
C0709	Communications Tower	3120 Tyre Neck Road	2007	0.35	Bioretention basin	Both	N/A	Yes	2.12		C					PY4	
C0638	E & S Plan for 3505 Tyre Neck Rd	3505 Tyre Neck Rd	2008	0.25	Bioretention basin	Both	N/A	Yes	2.12		C					PY4	

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													PY1	PY2	PY3	PY4	PY5
C1211	Chick-Fil-A at Frederick Blvd	901 Frederick Blvd	2012	1.55	Bioretention filter	Both	N/A	Yes	2.60		B						PY5
C1211	Chick-Fil-A at Frederick Blvd	901 Frederick Blvd	2012	2.48	Underground detention	Both	N/A	Yes	2.51		B						PY5
M0602	King Square	610 Godwin St	2006	1.86	Underground detention	Both	N/A	Yes	2.67		B						PY5
C0515	Warehouse Facility - Greenwood Industri	4025 Seaboard Court	2006	1.60	Underground detention	Both	N/A	Yes	2.58		A						PY5
C0731	KEBCO Construction Enterprises	3245 Portsmouth Blvd	2008	0.32	Underground detention	Both	N/A	Yes	2.57		B						PY5
C0731	KEBCO Construction Enterprises	3245 Portsmouth Blvd	2008	0.05	Infiltration	Both	N/A	Yes	2.40		B						PY5
RW1002	South Norfolk Jordan Bridge	Elm Av	2012	13.19	Dry pond	Both	N/A	Yes	2.55		B						PY5
C0411	Bayside Harley Davidson	2219 Frederick Blvd	2004	6.56	Wet pond	Both	N/A	Yes	2.54		B						PY5
C0917	Swanson Homes Parking Lot bmp #1	1746 South St	2010	0.21	Filtrerra	Both	N/A	Yes	2.51		B						PY5
C0917	Swanson Homes Parking Lot bmp #2	1746 South St	2010	0.76	Underground detention	Both	N/A	Yes	2.37		B						PY5
C1324	Royal Farms #205	3601 Victory Blvd	2015	1.08	Filtrerra	Both	N/A	Yes	2.57		A						PY5
C1324	Royal Farms #205	3601 Victory Blvd	2015	1.24	Bioretention basin	Both	N/A	Yes	1.98		A						PY5
C0435	Benedetto Office/Warehouse	3325 Frederick Blvd.	2005	9.19	Dry pond	Both	N/A	Yes	2.49		B						PY5
M0604	Crescent Place Apts	109 Howard Street	2007	4.87	Wet pond	Both	N/A	Yes	2.42		B						PY5
C0810	Christian Antioch Community Outreach Church	1401 Mascot St	2012	0.84	Underground detention	Both	N/A	Yes	2.41		B						PY5
C1402	Smileys Heating and Cooling	4828 Portsmouth Blvd	2014	0.64	Pervious Concrete	Both	N/A	Yes	2.39		A						PY5
M0801	Hamilton Place Apts - Phase 1	3401 Turnpike Rd	2010	10.72	Wet pond	Both	N/A	Yes	2.39		B						PY5
C0736	715, 719 & 723 Washington Street	715 Washington St	2012	0.10	Porous concrete	Both	N/A	Yes	2.35		B						PY5
C0736	715, 719 & 723 Washington Street	715 Washington St	2012	0.32	Bioretention basin	Both	N/A	Yes	1.91		B						PY5
C1019	Fourth Baptist Church Addition	726 South St	2012	2.17	Infiltration	Both	N/A	Yes	2.34		B						PY5
C0318	American Funeral Supplies	2001 Laigh Rd	2003	0.61	Extended detention	Both	N/A	Yes	2.34		A						PY5
M0704	Belle Hall Apts	542 Cherokee Road	2002	1.61	Dry pond	Both	N/A	Yes	2.34		A						PY5
M0704	Belle Hall Apts	542 Cherokee Road	2008	1.56	Bioretention basin	Both	N/A	Yes	2.20		A						PY5
M0704	Belle Hall Apts	542 Cherokee Road	2008	0.24	Bioretention basin	Both	N/A	Yes	2.11		A						PY5
M0704	Belle Hall Apts	542 Cherokee Road	2008	0.20	Bioretention basin	Both	N/A	Yes	2.11		A						PY5
C0708	Bojangles	3927 Victory Blvd	2007	2.86	Dry pond	Both	N/A	Yes	2.27		A						PY5
C1213	Airline Commerce Park	3432 Airline Blvd	2013	5.72	Constructed Wetland	Both	N/A	Yes	2.12		A						PY5
C0611	WAWA (VICTORY/ELMHURST)	4005 Victory Blvd	2006	2.64	Wet pond	Both	N/A	Yes	2.26		A						PY5
C0530	Bishop Madison Building	3615 Victory Boulevard	2007	2.01	Dry pond	Both	N/A	Yes	2.23		A						PY5
C0647	Woodfin Oil Watchcard Site	2401 Turnpike Road	2007	1.28	Dry pond	Both	N/A	Yes	2.19		B						PY5
C0525	Tire Center	4244 & 4246 Portsmouth Blvd.	2005	0.47	Dry pond	Both	N/A	Yes	2.13		A						PY5
C0734	Kalmar Shop Bldg Addition	3300 Elmhurst Lane	2008	0.97	Dry pond	Both	N/A	Yes	2.13		A						PY5
C0735	Greenwood Dr. Self- Storage	3959 Garwood Ave.	2008	0.95	Dry pond	Both	N/A	Yes	2.13		A						PY5
C0433	Building Adittion for Noble Street Bapt	100 Noble St.	2005	0.37	Dry pond	Both	N/A	Yes	2.12		B						PY5
C0620	Parking lot expanding fo Mount Hermon Baptist Church	2917 Queen St	2008	0.32	Dry pond	Both	N/A	Yes	2.12		B						PY5
C0432	Woodrow Street Office/Warehouse	2503 Woodrow St.	2005	0.75	Dry pond	Both	N/A	Yes	2.15		B						PY5
C0723	SB - 361 Effingham St	361 Effingham St	2008	0.70	Bioretention basin	Both	N/A	Yes	2.12		B						PY5
M0701	Hatton Street Triplex Townhomes	304 Hatton Street	2007	0.27	Bioretention basin	Both	N/A	Yes	2.12		B						PY5
C0739	McDonald's Restaurant	2716 Airline Blvd	2008	0.23	Bioretention basin	Both	N/A	Yes	2.11		A						PY5
C0918	Canada Co - Bldg Additional	2620 Elmhurst Ln	2009	3.04	Dry pond	Both	N/A	Yes	2.10		A						PY5
C1026	Tidewater Staffing bmp #1	742-749 Florida Ave	2011	2.97	Dry pond	Both	N/A	Yes	2.10		B						PY5
C1128	Office Storage Warehouse	4018 Seaboard Court	2012	2.95	Wet pond	Both	N/A	Yes	2.10		A						PY5
C1106	Dollar Tree	2010 Victory Blvd.	2011	3.91	Extended detention	Both	N/A	Yes	2.16		A						PY5
C0836	Addition to Cottage at Holiday House	4211 County Street	2009	0.30	Gravel Trench	Both	N/A	Yes	2.07		B						PY5
C-1323	Happy Boxes Six, LLC	3029 Airline	2014	1.75	wet pond	Both	N/A	Yes	2.02		A						PY5
C-1323	Happy Boxes Six, LLC	3029 Airline	2014	0.01	bioretention	Both	N/A	Yes	1.90		A						PY5

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C0919	Oasis Social Ministry Bldg	806 Williamsburg Ave	2010	1.02	Detention	Both	N/A	Yes	1.97		B						PY5
C0809	New Testament Baptist Church	403 Rapidan Street	2011	0.65	Dry pond	Both	N/A	Yes	1.94		A						PY5
C0833	Advance Funeral Funding - Parking Lot	3801 King Street	2010	0.48	Bioretention basin	Both	N/A	Yes	1.93		B						PY5
C0916	London Shops Bldg Expansion	1503 London Blvd	2010	1.01	Dry pond	Both	N/A	Yes	1.93		B						PY5

Attachment 1
Individual SWMF Criteria Scores

Attachement 1. Privately Maintained SWMF Individual Criterion Scores

													0.15	0.15	0.15	0.20	0.15	0.20
SWMF City File Number	Site Plan	Address	Installation Year	Treatment Area	Facility Type	Quality vs Quantity	History of Problems	Maintenance Agreement	SWMF Score	Pilot SWMF	Inspection Zone	Inspection Date	Time Since Last	Weighted TA	Facility Type	Age	History	Maintenance
S9601	Lake Shores	601 Potomac Ave	1999	44.77	Wet pond	Quantity	N/A	No	4.50	X	B		5.00	9.03	1.00	4.00	3.00	5.00
Long Pt Lake	Long Point Lake	3923 Long Point Boulevard	1960	74.60	Wet pond	Quantity	N/A	No	4.25	X	E		5.00	5.99	1.00	5.00	3.00	5.00
C0302	Southeastern Freight Co.	2655 Elmhurst Lane	1899	6.25	Swale	Quantity	N/A	No	4.22	X	A		5.00	3.78	3.00	5.00	3.00	5.00
C0302	Southeastern Freight Co.	2655 Elmhurst Lane	1899	5.65	Dry pond	Quantity	N/A	No	3.88	X	A		5.00	3.51	1.00	5.00	3.00	5.00
C9405	River Pointe Lake	7 River Reach Close	1899	18.44	Wet pond	Quantity	N/A	No	4.18	X	D		5.00	5.53	1.00	5.00	3.00	5.00
C9914	SCI-Pinners Point Rail Loading	6 Harpers Ave.	1899	47.16	Wet pond	Quantity	N/A	No	4.17	X	B		5.00	5.47	1.00	5.00	3.00	5.00
Lake Willis	Sweetbriar (Lake Willis)	3000 Ferguson Dr	1950	18.15	Wet pond	Quantity	N/A	No	4.16		C		5.00	5.40	1.00	5.00	3.00	5.00
Lake Pam	Lake Pam	418 Pennington Blvd	1950	23.65	Wet pond	Quantity	N/A	No	4.10		A		5.00	5.03	1.00	5.00	3.00	5.00
M9703	DEEP CREEK VILLAGE	4517 Deep Creek Blvd	1899	29.50	Dry pond	Quantity	N/A	No	4.26	X	A		5.00	6.07	1.00	5.00	3.00	5.00
S0502	Newport Subdiv Phase 1B, Sections	3186 Greenwood Dr	1899	25.83	Wet pond	Quantity	N/A	No	4.18	X	A		5.00	5.55	1.00	5.00	3.00	5.00
C9713	Churchland House	4916 West Norfolk Road	1899	6.37	Swale	Quantity	N/A	No	4.06	X	D		5.00	2.73	3.00	5.00	3.00	5.00
C9922	Sign Shop and Mini Storage	3401 Airline Blvd.	1899	7.70	Wet pond	Quantity	N/A	No	4.01		A		5.00	4.42	1.00	5.00	3.00	5.00
C9922	Sign Shop and Mini Storage	3401 Airline Blvd.	1899	1.75	Dry pond	Quantity	N/A	No	3.62		A		5.00	1.78	1.00	5.00	3.00	5.00
C0114	Cheshire Grill Parking	627 King Street	1899	0.84	Underground detention	Quantity	N/A	No	3.97	X	B		5.00	1.12	4.00	5.00	3.00	5.00
S9401	The Pointe at River Point	3812 Falling River Reach River Point Road	1997	13.90	Wet pond	Quantity	N/A	No	4.00	x	D		5.00	5.67	1.00	4.00	3.00	5.00
S0302	Villas River point	1 Guardhouse Way	1899	10.88	Wet pond	Quantity	N/A	No	4.00	X	D		5.00	4.33	1.00	5.00	3.00	5.00
M9601	VILLAGE APARTMENTS	2304 Victory Boulevard	1998	18.41	Dry pond	Quantity	N/A	No	3.98	X	A		5.00	5.52	1.00	4.00	3.00	5.00
S9404	Bishop's Green Phase 1	5908 Hampshire Grn	1999	27.15	Wet pond	Quantity	N/A	No	3.91	X	E		5.00	5.10	1.00	4.00	3.00	5.00
B8801 2	Hampton Roads Regional Jail	2690 Elmhurst Lane	1899	11.46	Wet pond	Quantity	N/A	No	3.88	X	A		5.00	3.50	1.00	5.00	3.00	5.00
B8801 3	Hampton Roads Regional Jail	2690 Elmhurst Lane	1899	9.01	Wet pond	Quantity	N/A	No	3.82	X	A		5.00	3.16	1.00	5.00	3.00	5.00
B8801 1	Hampton Roads Regional Jail	2690 Elmhurst Lane	1899	4.74	Wet pond	Quantity	N/A	No	3.70	X	A		5.00	2.36	1.00	5.00	3.00	5.00
C9907	Fraternal Order of Police Park	417 County St	1899	1.31	Swale	Quantity	N/A	No	3.89	X	B		5.00	1.58	3.00	5.00	3.00	5.00
S9801	Hidden Cove 1	5943 Eagle Pt	1999	20.39	Wet pond	Quantity	N/A	No	4.11	X	E		5.00	6.40	1.00	4.00	3.00	5.00
S9801	Hidden Cove 2	5943 Eagle Pt	1999	15.14	Wet pond	Quantity	N/A	No	3.76	X	E		5.00	4.06	1.00	4.00	3.00	5.00
C9517	Girls Incorporated	5905 Portsmouth Boulevard	1899	0.91	Swale	Quantity	N/A	No	3.86	X	A		5.00	1.40	3.00	5.00	3.00	5.00
C9501	Grant's Adult Care Facility	3720 Deep Creek Boulevard	1899	0.90	Swale	Quantity	N/A	No	3.86	X	B		5.00	1.40	3.00	5.00	3.00	5.00
C9916	Waverton Associates, Inc.	4021 Seaboard Court	1899	5.30	Dry pond	Quantity	N/A	No	3.71	X	A		5.00	2.43	1.00	5.00	3.00	5.00
C9418	Effingham Comfort Inn	347 Effingham Street	1899	0.71	Infiltration	Quantity	N/A	No	3.85	X	B		5.00	1.32	3.00	5.00	3.00	5.00
C9813	Mid-Atlantic Bell-Com	701 PortCentre Parkway	1899	2.19	Swale	Quantity	N/A	No	3.95	X	B		5.00	1.97	3.00	5.00	3.00	5.00
C9813	Mid-Atlantic Bell-Com	701 PortCentre Parkway	1899	0.32	Dry pond	Quantity	N/A	No	3.52	X	B		5.00	1.14	1.00	5.00	3.00	5.00
S9404	Bishop's Green Phase 2b (hidden cove 3)	5911 Eagle Pt	1999	19.40	Wet pond	Quantity	N/A	No	4.04	X	E		5.00	5.95	1.00	4.00	3.00	5.00
C9823	West Park Church of God	926 Cherokee Rd	1899	0.54	Infiltration	Quantity	N/A	No	3.84		A		5.00	1.24	3.00	5.00	3.00	5.00
C0522	West Park Church of Christ Addition	926 Cherokee Rd	2005	1.41	Dry pond	Both	N/A	Yes	2.14		A		5.00	1.25	1.00	2.00	3.00	1.00
S9404	Bishop's Green Phase (Stonemill Estates)	5904 Sturbridge Way	1999	16.13	Wet pond	Quantity	N/A	No	3.83	X	E		5.00	4.50	1.00	4.00	3.00	5.00
C0204	Brickcraft Masonry Office	624 Dunedin Road	1899	0.70	Swale	Quantity	N/A	No	3.81	X	A		5.00	1.10	3.00	5.00	3.00	5.00
C9734	Trinity Temple Church	2430 Graham Street	1899	0.65	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.01	3.00	5.00	3.00	5.00
C0907	Kingdom Hall of Jehovah's Witnesses	4050 Elliott Ave	1899	4.73	Unknown	Quantity	N/A	No	3.82	x	A		5.00	3.10	1.00	5.00	3.00	5.00
C0129	Parkview Boat (Portsmouth Yach	20 Elm Avenue	1899	0.58	Infiltration	Quantity	N/A	No	3.84	X	B		5.00	1.26	3.00	5.00	3.00	5.00
C9716	Monumental United Methodist Ch	435 Washington St	1899	0.43	Swale	Quantity	N/A	No	3.81	X	B		5.00	1.08	3.00	5.00	3.00	5.00
C9504	Mt. Zion Tabernacle Church	3100 Deep Creek Boulevard	1899	0.28	Swale	Quantity	N/A	No	3.81	X	B		5.00	1.04	3.00	5.00	3.00	5.00
C0010 bmp #8	Mt. Sinai Annex	2603 Chestnut Street	1899	0.02	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.00	3.00	5.00	3.00	5.00
C0010 bmp #6	Mt. Sinai Annex	2603 Chestnut Street	1899	0.02	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.00	3.00	5.00	3.00	5.00
C0010 bmp #5	Mt. Sinai Annex	2603 Chestnut Street	1899	0.02	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.00	3.00	5.00	3.00	5.00
C0010 bmp #2	Mt. Sinai Annex	2603 Chestnut Street	1899	0.02	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.01	3.00	5.00	3.00	5.00
C0010 bmp #3	Mt. Sinai Annex	2603 Chestnut Street	1899	0.04	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.01	3.00	5.00	3.00	5.00
C0010 bmp #9	Mt. Sinai Annex	2603 Chestnut Street	1899	0.03	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.01	3.00	5.00	3.00	5.00
C0010 bmp#10	Mt. Sinai Annex	2603 Chestnut Street	1899	0.01	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.01	3.00	5.00	3.00	5.00
C0010 bmp #4	Mt. Sinai Annex	2603 Chestnut Street	1899	0.03	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.00	3.00	5.00	3.00	5.00
C0010 bmp #7	Mt. Sinai Annex	2603 Chestnut Street	1899	0.01	Infiltration	Quantity	N/A	No	3.80	X	B		5.00	1.01	3.00	5.00	3.00	5.00
C0010	Mt. Sinai Annex	2603 Chestnut Street	1899	0.01	Infiltration	Quantity	Unsatisfactory	No	3.50		B	4/5/2017	1.00	1.00	3.00	5.00	5.00	5.00
Westbury2	WESTBURY #2	1139 South St	1899	7.97	Wet pond	Quantity	N/A	No	3.80	x	B		5.00	3.03	1.00	5.00	3.00	5.00
Westbury1	WESTBURY #1	1139 South St	1899	2.07	Wet pond	Quantity	N/A	No	3.54	x	B		5.00	1.30	1.00	5.00	3.00	5.00
Lake Sweetbriar	Sweetbriar (Lake Sweetbriar)	5225 Amherst Dr	1950	7.85	Wet pond	Quantity	N/A	No	3.80		C		5.00	2.99	1.00	5.00	3.00	5.00
C0214	Miracle of Faith Church	30 Claremont Dr	1899	3.91	Dry pond	Quantity	N/A	No	3.69		A		5.00	2.23	1.00	5.00	3.00	5.00

Attachement 1. Privately Maintained SWMF Individual Criterion Scores

														0.15	0.15	0.15	0.20	0.15	0.20
SWMF City File Number	Site Plan	Address	Installation Year	Treatment Area	Facility Type	Quality vs Quantity	History of Problems	Maintenance Agreement	SWMF Score	Pilot SWMF	Inspection Zone	Inspection Date	Time Since Last	Weighted TA	Facility Type	Age	History	Maintenance	
C9804	Superior Marble & Stone Expans	3100 Frederick Blvd	1998	2.25	Swale	Quantity	N/A	No	3.75	x	B		5.00	2.00	3.00	4.00	3.00	5.00	
M9402	CENTRE PORT1	1 Centre Port Cir	1994	6.48	Wet pond	Quantity	N/A	No	3.73		D		5.00	3.88	1.00	4.00	3.00	5.00	
C0025	Cinta's Corp	2707 Smithfield Road	1899	4.44	Wet pond	Quantity	N/A	No	3.80		A		5.00	2.97	1.00	5.00	3.00	5.00	
S9921	MARINER AVE	3801 Mariner Ave	1899	2.82	Dry pond	Quantity	N/A	No	3.69		D		5.00	2.25	1.00	5.00	3.00	5.00	
C0122	Steven Lang Office	6224 Portsmouth Blvd	1899	3.25	Dry pond	Quantity	N/A	No	3.72		A		5.00	2.44	1.00	5.00	3.00	5.00	
C0535	Cargoways Logistics	3600 Elm Avenue	2006	14.76	Dry pond	Both	N/A	No	3.38		B		5.00	4.21	1.00	2.00	3.00	5.00	
M9602	Egrets Cove	2 Creekside Ct	1997	5.08	Wet pond	Quantity	N/A	No	3.53		D		5.00	2.50	1.00	4.00	3.00	5.00	
C9816	Portsmouth Christian Scho	3212 Elliot Avenue	1899	1.79	Dry pond	Quantity	N/A	No	3.55		A		5.00	1.32	1.00	5.00	3.00	5.00	
C9629	Lindad, Inc	2600 Airline Blvd	1899	1.77	Dry pond	Quantity	N/A	No	3.62		A		5.00	1.79	1.00	5.00	3.00	5.00	
C0825	Cingular Cell Tower	2600 Airline Blvd	2010	1.19	Permeable Pavers	Both	Satisfactory	Yes	1.68		A	7/18/2016	2.00	1.53	4.00	1.00	1.00	1.00	
M9603	ARBOUR REACH APARTMENTS	3622 Tejo Lane	1996	4.60	Dry pond	Quantity	N/A	No	3.51		C		5.00	2.42	1.00	4.00	3.00	5.00	
SEVENTH ST	0 SEVENTH ST	202 Seventh St	1899	1.41	Wet pond	Quantity	N/A	No	3.59		B		5.00	1.62	1.00	5.00	3.00	5.00	
C9810	ST. Mark's Missionary Baptist	2714 Frederick Boulevard	1899	1.36	Dry pond	Quantity	N/A	No	3.59		B		5.00	1.61	1.00	5.00	3.00	5.00	
C9618	Rite Aid #4261	3300 Academy Avenue	1899	1.19	Dry pond	Quantity	N/A	No	3.58		C		5.00	1.53	1.00	5.00	3.00	5.00	
C1001	American Classic Self-Storage	3671 Gateway Drive	1899	1.19	Dry pond	Quantity	N/A	No	3.58		E		5.00	1.53	1.00	5.00	3.00	5.00	
S0301	ESTATES AT RIVERPOINTE	6 Waterview Ct	2003	10.54	Wet pond	Both	N/A	No	3.58		D		5.00	4.18	1.00	3.00	3.00	5.00	
M9702	STERLING COVE	3162 Sterling	1997	3.94	Dry pond	Quantity	N/A	No	3.56		C		5.00	2.75	1.00	4.00	3.00	5.00	
C0117	Popeye's-London Blvd	1020 London Blvd	1899	0.92	Dry pond	Quantity	N/A	No	3.50		B		5.00	1.02	1.00	5.00	3.00	5.00	
S0601	Newport Phase 1B, Section 2	2749 Greenwood Dr.	2007	18.14	Wet pond	Both	N/A	No	3.42		A		5.00	4.45	1.00	2.00	3.00	5.00	
C0207	Plasmacare	1221 London Blvd	1899	0.77	Dry pond	Quantity	N/A	No	3.55		B		5.00	1.34	1.00	5.00	3.00	5.00	
S0101	RIVERPOINTE SECTION 5	1 Riverpointe Lane	1994	3.69	Wet pond	Quantity	N/A	No	3.55		D		5.00	2.64	1.00	4.00	3.00	5.00	
C9718	Foster Funeral Home Parking Lo	1926 High Street	1899	0.47	Dry pond	Quantity	N/A	No	3.53		B		5.00	1.21	1.00	5.00	3.00	5.00	
C9615	Dept. of Motor Vehicles Bldg	6400 Bickford Pkwy	1899	0.45	Dry pond	Quantity	N/A	No	3.53		C		5.00	1.20	1.00	5.00	3.00	5.00	
C0802	AAAA Storage bmp #2	2206 Victory Blvd	2008	1.03	Filterra	Both	N/A	No	3.53		A		5.00	1.18	5.00	2.00	3.00	5.00	
C0118	Rally's	5105 George Washington Hwy	1899	0.36	Dry pond	Quantity	N/A	No	3.52		A		5.00	1.16	1.00	5.00	3.00	5.00	
S0201	Gwaltney Acres Pond	4 Gwaltney Ct	2004	12.76	Wet pond	Both	N/A	No	3.52		A		5.00	5.16	1.00	2.00	3.00	5.00	
C9516	ST. Andrews United Methodist C	2210 Portsmouth Boulevard	1899	0.92	Dry pond	Quantity	N/A	No	3.56		A		5.00	1.41	1.00	5.00	3.00	5.00	
C0113	Attel Switch Facilities	606 Chautauqua Ave.	1899	0.72	Dry pond	Quantity	N/A	No	3.55		B		5.00	1.32	1.00	5.00	3.00	5.00	
C9612	Dr. Dodson et al- lot B-1	3116 Tyre Neck Road	1899	0.69	Dry pond	Quantity	N/A	No	3.55		C		5.00	1.30	1.00	5.00	3.00	5.00	
C9809	Grove Park Baptist Church	1400 Rodman Avenue	1899	0.22	Dry pond	Quantity	N/A	No	3.50		B		5.00	1.03	1.00	5.00	3.00	5.00	
C9913	Portsmouth metal Stamping, Inc	548 Virginia Avenue	1899	0.43	Dry pond	Quantity	N/A	No	3.51		B		5.00	1.08	1.00	5.00	3.00	5.00	
C9706	Western Branch Metals	2401 Wesley Street	1899	0.34	Dry pond	Quantity	N/A	No	3.51		B		5.00	1.06	1.00	5.00	3.00	5.00	
C0215	Empowerment 2010	2001 Queen Street	1899	0.12	Dry pond	Quantity	N/A	No	3.50		B		5.00	1.02	1.00	5.00	3.00	5.00	
C9917	Teddy Bear Learning Center	1218 Cavalier Blvd.	1899	0.25	Dry pond	Quantity	N/A	No	3.52		A		5.00	1.11	1.00	5.00	3.00	5.00	
C0208	Mt. Carmel Baptist Church	3310 Deep Creek Blvd	1899	0.10	Dry pond	Quantity	N/A	No	3.50		B		5.00	1.02	1.00	5.00	3.00	5.00	
C0523	Parking Lot Expansion for Mt. Carmel Ba	3310 Deep Creek Blvd	2006	0.79	Dry pond	Both	N/A	Yes	2.15		B		5.00	1.35	1.00	2.00	3.00	1.00	
C0613	Hampton Roads Crossing Tri-Cities Center	1070 University Blvd.	2007	20.95	Wet pond	Both	N/A	No	3.37		E		5.00	4.11	1.00	2.00	3.00	5.00	
C0023	Design Assistance Const. Syste	900 Portcentre Parkway	1899	5.87	Wet pond	Quantity	Unsatisfactory	No	3.59		B	2/24/2017	1.00	3.61	1.00	5.00	5.00	5.00	
C0710	Commercial Ready Mix Products	1125 Victory Blvd	1899	5.70	Swale	Quantity	N/A	Yes	3.24		B		5.00	2.61	3.00	5.00	3.00	1.00	
C0710	Commercial Ready Mix Products	1125 Victory Blvd	1899	2.12	Wet pond	Quantity	N/A	Yes	2.84		B		5.00	1.94	1.00	5.00	3.00	1.00	
C0743 F13	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C		5.00	1.08	5.00	1.00	3.00	5.00	
C0743 F5	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.32		C		5.00	1.10	5.00	1.00	3.00	5.00	
C0743 F6	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.34		C		5.00	1.26	5.00	1.00	3.00	5.00	
C0743 F7	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C		5.00	1.08	5.00	1.00	3.00	5.00	
C0743 F10	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.34		C		5.00	1.26	5.00	1.00	3.00	5.00	
C0743 F17	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C		5.00	1.08	5.00	1.00	3.00	5.00	
C0743 F9	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.34		C		5.00	1.26	5.00	1.00	3.00	5.00	
C0743 F11	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C		5.00	1.08	5.00	1.00	3.00	5.00	
C0743 F14	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.30		C		5.00	1.01	5.00	1.00	3.00	5.00	
C0743 F8	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C		5.00	1.08	5.00	1.00	3.00	5.00	
C0743 F12	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C		5.00	1.08	5.00	1.00	3.00	5.00	
C0743 F15	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.30		C		5.00	1.01	5.00	1.00	3.00	5.00	
C0743 F16	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Filterra	Both	N/A	No	3.31		C		5.00	1.08	5.00	1.00	3.00	5.00	
C0743 swale	First Team Toyota	3400 Western Branch Blvd	2010	0.58	Grass swale	Both	N/A	No	2.89		C		5.00	1.26	2.00	1.00	3.00	5.00	
C0322	WAWA Portsmouth	3400 Western Branch Blvd	2005	1.50	Dry pond	Both	N/A	Yes	2.14		C		5.00	1.26	1.00	2.00	3.00	1.00	
S0702	First Watch At River Pointe	0 West Norfolk Road	2012	22.36	Wet pond	Both	N/A	No	3.30		D		5.00	5.01	1.00	1.00	3.00	5.00	

Attachement 1. Privately Maintained SWMF Individual Criterion Scores

													0.15	0.15	0.15	0.20	0.15	0.20
SWMF City File Number	Site Plan	Address	Installation Year	Treatment Area	Facility Type	Quality vs Quantity	History of Problems	Maintenance Agreement	SWMF Score	Pilot SWMF	Inspection Zone	Inspection Date	Time Since Last	Weighted TA	Facility Type	Age	History	Maintenance
RW0804	Ebony Heights West PHASE I		2011	12.20	Wet pond	Both	N/A	No	3.29		C		5.00	4.91	1.00	1.00	3.00	5.00
C1016.2	Office & Warehouse	3704 Adams St	1899	1.22	Filterra	Quantity	Satisfactory	No	3.28		D	4/7/2017	1.00	1.54	5.00	5.00	1.00	5.00
C1016.1	Office & Warehouse	3704 Adams St	1899	0.40	Dry pond	Quantity	Satisfactory	No	2.63		D	4/7/2017	1.00	1.18	1.00	5.00	1.00	5.00
C0327	Portsmouth Christian Outreach Center	910 Seventh St	2004	0.68	Swale	Both	N/A	No	3.25		B		5.00	1.30	3.00	2.00	3.00	5.00
C0906	South Bay Apartments Additon BMP #1	South Street	2010	5.84	Infiltration	Both	N/A	No	3.25		B		5.00	2.64	3.00	1.00	3.00	5.00
C0545	Western Branch Diesel	3504 Shipwright Street	2006	0.80	Swale	Both	N/A	No	3.25		D		5.00	1.36	3.00	2.00	3.00	5.00
C0712	Proposed Residential Subdivision 5100 Deep Creek Blvd	5100 Deep Creek Blvd	2007	0.58	Infiltration	Both	N/A	No	3.22		A		5.00	1.10	3.00	2.00	3.00	5.00
C0813	First Baptist Church - Addition	1445 Centre Ave	2008	0.17	Swale	Both	N/A	No	3.20		B		5.00	1.02	3.00	2.00	3.00	5.00
C1023	Portsmouth Humane Society	4022 Seaboard Ct	2012	5.86	Wet pond	Both	N/A	No	3.09		A		5.00	3.61	1.00	1.00	3.00	5.00
C0012	Citgo	1428 Effingham Street	1899	0.27	Infiltration	Quantity	Need More Information	No	3.06		B	4/5/2017	1.00	1.04	3.00	5.00	2.00	5.00
C0717	Proposed Office/Shop	4813 Portsmouth Blvd	1899	0.90	Swale	Quantity	N/A	Yes	3.02		A		5.00	1.16	3.00	5.00	3.00	1.00
C0402	Sonic Drive-In	5755 Portsmouth Blvd	2004	2.39	Dry pond	Both	N/A	No	3.06		A		5.00	2.06	1.00	2.00	3.00	5.00
C1123	BB&T	5515 Portsmouth Blvd	2011	0.68	Perforated pipe	Both	N/A	No	3.02		A		5.00	1.12	3.00	1.00	3.00	5.00
C0533	APM Marine Container Terminal - Tempora	4701 Wyatt Dr	2005	2.13	Dry pond	Both	N/A	No	2.94		D		5.00	1.30	1.00	2.00	3.00	5.00
C0507	APM Marine Container Terminal - Yard Si	4701 Wyatt Dr	2005	20.64	Wet pond	Both	N/A	Yes	2.93		D		5.00	6.51	1.00	2.00	3.00	1.00
S0701 bmp 4	New Gosport Portsmouth MN - Navy Housing	129 Morningside Dr	2010	5.11	Wet pond	Both	N/A	No	3.04		B		5.00	3.27	1.00	1.00	3.00	5.00
S0701	New Gosport Portsmouth MN - Navy Housing	129 Morningside Dr	2010	2.25	Wet pond	Both	N/A	No	2.85		B		5.00	2.00	1.00	1.00	3.00	5.00
S0701 bmp 2	New Gosport Portsmouth MN - Navy Housing	129 Morningside Dr	2010	2.07	Wet pond	Both	N/A	No	2.84		B		5.00	1.92	1.00	1.00	3.00	5.00
S0701 bmp 3	New Gosport Portsmouth MN - Navy Housing	129 Morningside Dr	2010	1.29	Wet pond	Both	N/A	No	2.79		B		5.00	1.57	1.00	1.00	3.00	5.00
C1115	First Church of the Nazarene Parking Lot	2512 Barclay Ave	2012	0.23	Swale	Both	N/A	No	3.00		A		5.00	1.03	3.00	1.00	3.00	5.00
C0304	Wright's Engineering & Design	702 5th Street	1899	3.54	Wet pond	Quantity	Need More Information	No	2.99		B	2/24/2017	1.00	2.57	1.00	5.00	2.00	5.00
C0405	East Coast Auto Tranport	2906 Elmhurst Ln	2004	1.24	Other	Both	N/A	No	2.98		A		5.00	1.55	1.00	2.00	3.00	5.00
C0305	Excellent comm Cleaners	711 Portcentre Parkway	1899	0.67	Swale	Quantity	Satisfactory	No	2.94		B	3/10/2017	1.00	1.30	3.00	5.00	1.00	5.00
MO401	The Heights at Olde Towne	301 Green St	2004	1.96	Other	Both	N/A	No	2.94		B		5.00	1.28	1.00	2.00	3.00	5.00
C0403	The River Shops (Formerly K-2 Mart)	4408 West Norfolk Rd	2004	1.89	Dry pond	Both	N/A	No	2.95		D		5.00	1.33	1.00	2.00	3.00	5.00
C0813	First Baptist Church Addition	1445 Centre Avenue	2008	0.28	Mfg BMP system	Both	N/A	No	2.92		B		5.00	1.12	1.00	2.00	3.00	5.00
C0015	Social Security Admin	3305 Airline Blvd	1899	6.90	Dry pond	Quantity	Satisfactory	No	2.87		A	7/18/2017	1.00	2.82	1.00	5.00	1.00	5.00
S0304	Kings Gate Crossing Subdivision	3110 Airline Blvd.	2006	14.88	Dry pond	Both	N/A	Yes	2.87		A		5.00	6.10	1.00	2.00	3.00	1.00
C9519	Office/Warehouse for Image Con	50 Beechdale	1997	2.14	Infiltration	Quantity	Satisfactory	No	2.84		A	3/27/2017	1.00	1.95	3.00	4.00	1.00	5.00
C1204	Beach Marine Properties, LLC	801 Victory Blvd	2013	1.58	Extended detention	Both	N/A	No	2.81		B		5.00	1.70	1.00	1.00	3.00	5.00
C0505	Beach Marine Services	801 Victory Blvd	2005	2.69	Extended detention	Both	N/A	Yes	2.28		B		5.00	2.19	1.00	2.00	3.00	1.00
C0205	Portcentre Office/Warehouse	901 Portcentre	1899	1.99	Dry pond	Quantity	Need More Information	No	2.80		B	4/5/2017	1.00	1.35	1.00	5.00	2.00	5.00
C9829	Carolina Fire Control	600 Port Centre Parkway	1899	0.72	Dry pond	Quantity	Need More Information	No	2.80		B	3/7/2017	1.00	1.32	1.00	5.00	2.00	5.00
C1116	manufactured	O' Reilly's Auto Parks	2012	0.63	Mfg BMP system	Both	N/A	No	2.74		A		5.00	1.28	1.00	1.00	3.00	5.00
C1116	O' Reilly's Auto Parks	2008 Victory Blvd	2012	0.55	Dry pond	Both	N/A	Yes	1.94		A		5.00	1.25	1.00	1.00	3.00	1.00
M0703	Phoebus Square Apartments	1116 County Street	2008	1.05	Stormfilter	Both	N/A	Yes	2.77		B		5.00	1.47	5.00	2.00	3.00	1.00
M0703	Phoebus Square Apartments	1116 County Street	2008	1.05	Underground detention	Both	N/A	Yes	2.62		B		5.00	1.47	4.00	2.00	3.00	1.00
C1010	Propose Pool & Concrete Patio	3119 Riveredge Dr.	2010	0.37	Mulched Bed	Both	N/A	No	2.72		D		5.00	1.17	1.00	1.00	3.00	5.00
C0636	Adam Street Warehouse (Phase 2)	3708 Adam Street	2007	0.25	Filterra	Both	N/A	Yes	2.72		D		5.00	1.11	5.00	2.00	3.00	1.00
C0636	Adam Street Warehouse (Phase 2)	3708 Adam Street	2007	0.82	Swale	Both	N/A	Yes	2.45		D		5.00	1.36	3.00	2.00	3.00	1.00
C1107 bmp 1B	Guiding Light Apostolic Church	103 Cavalier Blvd.	2011	0.14	Bioretention basin	Both	N/A	No	2.71		A		5.00	1.06	1.00	1.00	3.00	5.00
C1107 bmp 1A	Guiding Light Apostolic Church	103 Cavalier Blvd.	2011	0.12	Bioretention basin	Both	N/A	No	2.71		A		5.00	1.05	1.00	1.00	3.00	5.00
C1107	Guiding Light Apostolic Church	103 Cavalier Blvd.	2011	0.12	Permeable Pavers	Both	N/A	Yes	2.36		A		5.00	1.05	4.00	1.00	3.00	1.00
C9812	Social Services Facility	601 Portcentre Parkway	1899	1.41	Dry pond	Quantity	Satisfactory	No	2.69		B	3/23/2017	1.00	1.63	1.00	5.00	1.00	5.00
C9704	Life Care Assisted Living Faci	1 Bon Secours Way	1997	3.53	Dry pond	Quantity	Satisfactory	No	2.64		C	7/28/2017	1.00	2.57	1.00	4.00	1.00	5.00
C1308	Kroger	1301 Frederick Blvd	2015	23.95	Wet pond	Both	N/A	Yes	2.63		B		5.00	5.87	1.00	1.00	3.00	1.00
C1013 bmp#2	CVS, Store # 4520	1800 Frederick Blvd.	2011	1.76	Stormfilter	Both	N/A	Yes	2.55		B		5.00	1.31	5.00	1.00	3.00	1.00
C1013 bmp#1	CVS, Store #4520	1800 Frederick Blvd.	2011	1.76	detention	Both	N/A	Yes	2.47		B		5.00	1.78	4.00	1.00	3.00	1.00
C1211	Chick-Fil-A at Frederick Blvd	901 Frederick Blvd	2012	1.55	Bioretention filter	Both	N/A	Yes	2.60		B		5.00	1.69	5.00	1.00	3.00	1.00
C1211	Chick-Fil-A at Frederick Blvd	901 Frederick Blvd	2012	2.48	Underground detention	Both	N/A	Yes	2.51		B		5.00	2.04	4.00	1.00	3.00	1.00
M0602	King Square	610 Godwin St	2006	1.86	Underground detention	Both	N/A	Yes	2.67		B		5.00	1.82	4.00	2.00	3.00	1.00
C0515	Warehouse Facility - Greenwood Industri	4025 Seaboard Court	2006	1.60	Underground detention	Both	N/A	Yes	2.58		A		5.00	1.23	4.00	2.00	3.00	1.00

Attachement 1. Privately Maintained SWMF Individual Criterion Scores

													0.15	0.15	0.15	0.20	0.15	0.20
SWMF City File Number	Site Plan	Address	Installation Year	Treatment Area	Facility Type	Quality vs Quantity	History of Problems	Maintenance Agreement	SWMF Score	Pilot SWMF	Inspection Zone	Inspection Date	Time Since Last	Weighted TA	Facility Type	Age	History	Maintenance
C0731	KEBCO Construction Enterprises	3245 Portsmouth Blvd	2008	0.32	Underground detention	Both	N/A	Yes	2.57		B		5.00	1.14	4.00	2.00	3.00	1.00
C0731	KEBCO Construction Enterprises	3245 Portsmouth Blvd	2008	0.05	Infiltration	Both	N/A	Yes	2.40		B		5.00	1.02	3.00	2.00	3.00	1.00
C0606	New Berean Baptist Church Addition	3600 Bamboo Road	2010	2.02	Sand filtration	Both	N/A	Yes	2.63		E		5.00	1.90	5.00	1.00	3.00	1.00
RW1002	South Norfolk Jordan Bridge	Elm Av	2012	13.19	Dry pond	Both	N/A	Yes	2.55		B		5.00	5.35	1.00	1.00	3.00	1.00
C0411	Bayside Harley Davidson	2219 Frederick Blvd	2004	6.56	Wet pond	Both	N/A	Yes	2.54		B		5.00	3.92	1.00	2.00	3.00	1.00
C0434	Churchland North Baptist Church	3728 Centenary RD	2005	1.72	Swale	Both	N/A	Yes	2.51		E		5.00	1.76	3.00	2.00	3.00	1.00
C0917	Swanson Homes Parking Lot bmp #1	1746 South St	2010	0.21	Filterra	Both	N/A	Yes	2.51		B		5.00	1.09	5.00	1.00	3.00	1.00
C0917	Swanson Homes Parking Lot bmp #2	1746 South St	2010	0.76	Underground detention	Both	N/A	Yes	2.37		B		5.00	1.13	4.00	1.00	3.00	1.00
C1324	Royal Farms #205	3601 Victory Blvd	2015	1.08	Filterra	Both	N/A	Yes	2.57		A		5.00	1.48	5.00	1.00	3.00	1.00
C1324	Royal Farms #205	3601 Victory Blvd	2015	1.24	Bioretention basin	Both	N/A	Yes	1.98		A		5.00	1.55	1.00	1.00	3.00	1.00
C0426	Flint Contracting - Office Trailers &	3712 Adams Street	2004	1.34	Infiltration	Both	N/A	Yes	2.49		D		5.00	1.60	3.00	2.00	3.00	1.00
C0435	Benedetto Office/Warehouse	3325 Frederick Blvd.	2005	9.19	Dry pond	Both	N/A	Yes	2.49		B		5.00	3.57	1.00	2.00	3.00	1.00
M0604	Crescent Place Apts	109 Howard Street	2007	4.87	Wet pond	Both	N/A	Yes	2.42		B		5.00	3.17	1.00	2.00	3.00	1.00
C0810	Christian Antioch Community Outreach Church	1401 Mascot St	2012	0.84	Underground detention	Both	N/A	Yes	2.41		B		5.00	1.37	4.00	1.00	3.00	1.00
C1402	Smileys Heating and Cooling	4828 Portsmouth Blvd	2014	0.64	Pervious Concrete	Both	N/A	Yes	2.39		A		5.00	1.28	4.00	1.00	3.00	1.00
M0801	Hamilton Place Apts - Phase 1	3401 Turnpike Rd	2010	10.72	Wet pond	Both	N/A	Yes	2.39		B		5.00	4.26	1.00	1.00	3.00	1.00
C0736	715, 719 & 723 Washington Street	715 Washington St	2012	0.10	Porous concrete	Both	N/A	Yes	2.35		B		5.00	1.01	4.00	1.00	3.00	1.00
C0736	715, 719 & 723 Washington Street	715 Washington St	2012	0.32	Bioretention basin	Both	N/A	Yes	1.91		B		5.00	1.06	1.00	1.00	3.00	1.00
C1019	Fourth Baptist Church Addition	726 South St	2012	2.17	Infiltration	Both	N/A	Yes	2.34		B		5.00	1.96	3.00	1.00	3.00	1.00
C0318	American Funeral Supplies	2001 Laigh Rd	2003	0.61	Extended detention	Both	N/A	Yes	2.34		A		5.00	1.27	1.00	3.00	3.00	1.00
M0704	Belle Hall Apts	542 Cherokee Road	2002	1.61	Dry pond	Both	N/A	Yes	2.34		A		5.00	1.28	1.00	3.00	3.00	1.00
M0704	Belle Hall Apts	542 Cherokee Road	2008	1.56	Bioretention basin	Both	N/A	Yes	2.20		A		5.00	1.69	1.00	2.00	3.00	1.00
M0704	Belle Hall Apts	542 Cherokee Road	2008	0.24	Bioretention basin	Both	N/A	Yes	2.11		A		5.00	1.03	1.00	2.00	3.00	1.00
M0704	Belle Hall Apts	542 Cherokee Road	2008	0.20	Bioretention basin	Both	N/A	Yes	2.11		A		5.00	1.09	1.00	2.00	3.00	1.00
C0708	Bojangles	3927 Victory Blvd	2007	2.86	Dry pond	Both	N/A	Yes	2.27		A		5.00	2.11	1.00	2.00	3.00	1.00
C0404	Churchland House Addition	4916 West Norfolk Rd	2004	2.86	Extended detention	Both	N/A	Yes	2.29		D		5.00	2.27	1.00	2.00	3.00	1.00
C1213	Airline Commerce Park	3432 Airline Blvd	2013	5.72	Constructed Wetland	Both	N/A	Yes	2.12		A		5.00	2.49	1.00	1.00	3.00	1.00
C0611	WAWA (VICTORY/ELMHURST)	4005 Victory Blvd	2006	2.64	Wet pond	Both	N/A	Yes	2.26		A		5.00	2.05	1.00	2.00	3.00	1.00
C0313	Premier Copper and Brass	500 Premier Pl	2003	1.05	Extended detention	Both	Satisfactory	No	2.27		B	3/7/2017	1.00	1.46	1.00	3.00	1.00	5.00
C1114	CVS Pharmacy #5501	3555 Airline Blvd	2012	0.81	Stormfilter	Both	Unsatisfactory	Yes	2.20		A	1/1/2017	1.00	1.02	5.00	1.00	5.00	1.00
C0530	Bishop Madison Building	3615 Victory Boulevard	2007	2.01	Dry pond	Both	N/A	Yes	2.23		A		5.00	1.89	1.00	2.00	3.00	1.00
C0436	Greenwood Industrial Park	4007 Seaboard Ct	2005	2.13	Dry pond	Both	Need More Information	No	2.21		A	3/27/2017	1.00	1.38	1.00	2.00	2.00	5.00
C9514	Office/Warehouse for B&R Const	30 Beechdale Commerce Park-Lot	1899	1.38	Infiltration	Quantity	Satisfactory	Yes	2.19		A	3/21/2017	1.00	1.61	3.00	5.00	1.00	1.00
C0647	Woodfin Oil Watchcard Site	2401 Turnpike Road	2007	1.28	Dry pond	Both	N/A	Yes	2.19		B		5.00	1.57	1.00	2.00	3.00	1.00
C0536	Cleanarama Cleaners	3204 Tyre Neck Road	2006	1.18	Dry pond	Both	N/A	Yes	2.18		C		5.00	1.52	1.00	2.00	3.00	1.00
C0525	Tire Center	4244 & 4246 Portsmouth Blvd.	2005	0.47	Dry pond	Both	N/A	Yes	2.13		A		5.00	1.21	1.00	2.00	3.00	1.00
C0734	Kalmar Shop Bldg Addition	3300 Elmhurst Lane	2008	0.97	Dry pond	Both	N/A	Yes	2.13		A		5.00	1.17	1.00	2.00	3.00	1.00
C0735	Greenwood Dr. Self- Storage	3959 Garwood Ave.	2008	0.95	Dry pond	Both	N/A	Yes	2.13		A		5.00	1.17	1.00	2.00	3.00	1.00
C0433	Building Addition for Noble Street Bapt	100 Noble St.	2005	0.37	Dry pond	Both	N/A	Yes	2.12		B		5.00	1.17	1.00	2.00	3.00	1.00
C0709	Communications Tower	3120 Tyre Neck Road	2007	0.35	Bioretention basin	Both	N/A	Yes	2.12		C		5.00	1.16	1.00	2.00	3.00	1.00
C0620	Parking lot expanding fo Mount Hermon Baptist Church	2917 Queen St	2008	0.32	Dry pond	Both	N/A	Yes	2.12		B		5.00	1.14	1.00	2.00	3.00	1.00
C0432	Woodrow Street Office/Warehouse	2503 Woodrow St.	2005	0.75	Dry pond	Both	N/A	Yes	2.15		B		5.00	1.33	1.00	2.00	3.00	1.00
C0723	SB - 361 Effingham St	361 Effingham St	2008	0.70	Bioretention basin	Both	N/A	Yes	2.12		B		5.00	1.12	1.00	2.00	3.00	1.00
M0701	Hatton Street Triplex Townhomes	304 Hatton Street	2007	0.27	Bioretention basin	Both	N/A	Yes	2.12		B		5.00	1.12	1.00	2.00	3.00	1.00
C0638	E & S Plan for 3505 Tyre Neck Rd	3505 Tyre Neck Rd	2008	0.25	Bioretention basin	Both	N/A	Yes	2.12		C		5.00	1.11	1.00	2.00	3.00	1.00
C0739	McDonald's Restaurant	2716 Airline Blvd	2008	0.23	Bioretention basin	Both	N/A	Yes	2.11		A		5.00	1.04	1.00	2.00	3.00	1.00
C0918	Canada Co - Bldg Additional	2620 Elmhurst Ln	2009	3.04	Dry pond	Both	N/A	Yes	2.10		A		5.00	2.35	1.00	1.00	3.00	1.00
C1026	Tidewater Staffing bmp #1	742-749 Florida Ave	2011	2.97	Dry pond	Both	N/A	Yes	2.10		B		5.00	2.32	1.00	1.00	3.00	1.00
C1128	Office Storage Warehouse	4018 Seaboard Court	2012	2.95	Wet pond	Both	N/A	Yes	2.10		A		5.00	2.31	1.00	1.00	3.00	1.00
C1106	Dollar Tree	2010 Victory Blvd.	2011	3.91	Extended detention	Both	N/A	Yes	2.16		A		5.00	2.74	1.00	1.00	3.00	1.00
C0836	Addition to Cottage at Holiday House	4211 County Street	2009	0.30	Gravel Trench	Both	N/A	Yes	2.07		B		5.00	1.13	2.00	1.00	3.00	1.00
C-1323	Happy Boxes Six, LLC	3029 Airline	2014	1.75	wet pond	Both	N/A	Yes	2.02		A		5.00	1.78	1.00	1.00	3.00	1.00
C-1323	Happy Boxes Six, LLC	3029 Airline	2014	0.01	bioretention	Both	N/A	Yes	1.90		A		5.00	1.00	1.00	1.00	3.00	1.00

Attachement 1. Privately Maintained SWMF Individual Criterion Scores

													0.15	0.15	0.15	0.20	0.15	0.20
SWMF City File Number	Site Plan	Address	Installation Year	Treatment Area	Facility Type	Quality vs Quantity	History of Problems	Maintenance Agreement	SWMF Score	Pilot SWMF	Inspection Zone	Inspection Date	Time Since Last	Weighted TA	Facility Type	Age	History	Maintenance
C0538	YMCA Improvements	4900 High St W	2006	2.78	Dry pond	Both	Unsatisfactory	Yes	1.99		C	3/9/2017	1.00	2.24	1.00	2.00	5.00	1.00
C0919	Oasis Social Ministry Bldg	806 Williamsburg Ave	2010	1.02	Detention	Both	N/A	Yes	1.97		B		5.00	1.45	1.00	1.00	3.00	1.00
C0809	New Testament Baptist Church	403 Rapidan Street	2011	0.65	Dry pond	Both	N/A	Yes	1.94		A		5.00	1.29	1.00	1.00	3.00	1.00
C0518	Dow Construction Office/ Warehouse	800 Portcentre Pkwy.	2005	2.12	Bioretention basin	Both	Unsatisfactory	Yes	1.94		B	3/10/2017	1.00	1.94	1.00	2.00	5.00	1.00
C0833	Advance Funeral Funding - Parking Lot	3801 King Street	2010	0.48	Bioretention basin	Both	N/A	Yes	1.93		B		5.00	1.21	1.00	1.00	3.00	1.00
C0916	London Shops Bldg Expansion	1503 London Blvd	2010	1.01	Dry pond	Both	N/A	Yes	1.93		B		5.00	1.18	1.00	1.00	3.00	1.00
C0643	Syke's Truck Center	3300 AIRLINE BLVD	1899	0.52	Wet pond	Quantity	Satisfactory	Yes	1.83		A	7/18/2017	1.00	1.23	1.00	5.00	1.00	1.00
C0707	700 PortCentre	700 PortCentre Parkway	2007	2.59	Swale	Both	Need More Information	Yes	1.82		B	3/10/2017	1.00	2.15	3.00	2.00	2.00	1.00
C-0704	Building Addition, Challenge Builders LLC	400/300 PortCentre	1999	0.01	unknown	Quantity	Need More Information	Yes	1.75		B	4/5/2017	1.00	1.00	1.00	4.00	2.00	1.00
M0303	Whispering Oaks	3400 Glasgow St	2003	7.12	Wet pond	Both	Satisfactory	Yes	1.68		B	3/23/2017	1.00	2.86	1.00	3.00	1.00	1.00
C0745	BCR Properties	620 Lincoln Street	2008	2.40	Dry pond	Both	Need More Information	Yes	1.51		B	3/7/2017	1.00	2.07	1.00	2.00	2.00	1.00
C0727	Mt. Sinai Church Addition	900 Portsmouth Blvd	2008	0.64	Dry pond	Both	Need More Information	Yes	1.39		B	4/5/2017	1.00	1.28	1.00	2.00	2.00	1.00
C0706	Multi Textile	500 Lincoln Street	2007	1.08	Dry pond	Both	Need More Information	Yes	1.38		B	3/7/2017	1.00	1.19	1.00	2.00	2.00	1.00
C0905	Royal Forms - Towne Point	3500 Towne Point Rd	2009	5.17	Wet pond	Both	Need More Information	Yes	1.38		C	2/17/2017	1.00	2.52	1.00	1.00	2.00	1.00
C0732	Salvation Army	2306 Airline Blvd.	2008	1.13	Dry pond	Both	Satisfactory	Yes	1.23		A	4/7/2017	1.00	1.20	1.00	2.00	1.00	1.00

Appendix D
Owner Outreach Material

Stormwater Infrastructure Management – Private Owner Outreach

The City’s MS4 permit requires the City to complete the following actions to receive pollutant reduction credit for privately maintained SWMFs:

- Inspect all privately maintained facilities with maintenance agreements no less than once per the 5-year permit cycle and perform follow-up activities to ensure the required maintenance has been completed.
- Prepare draft procedures and policies within 12 months of MS4 permit issuance to ensure that inspection and maintenance of privately maintained SWMFs without maintenance agreements are being conducted. The policies are to be tested within 15 months of permit issuance and modified and finalized within 36 months of permit issuance.
- Prepare a written strategy within 12 months of MS4 permit issuance for ensuring maintenance of SWMFs that serve a single residential lot and that do not have maintenance agreements.

A key element of this strategy is Owner Outreach with the owners of private Stormwater Management Facilities (SWMFs). The purpose of this technical memorandum is to document the Private Owner Outreach that the City of Portsmouth will undertake.

Private Owner Outreach

Outreach material has been developed to target the owners of private SWMFs. This material, primarily in the form of letters, has been developed to educate owners about the MS4 program requirements as well as the specific requirements for their facility. Owner Inspection Checklists are included in the Private Stormwater Management Facility Inspection and Maintenance Plan Technical Memorandum, Appendix B, Attachment 2.

The outreach letters are attached. They include the following:

Table 1
Private SWMF Owner Outreach

Description	Sent
Introduction to inspection program	At initiation
Inspection forms	With other material
Owner notification of maintenance responsibility	Annually
New owner package	Quarterly to new owners only
Notification of inspection	2 weeks prior to inspection
Inspection results	Within 1 month of inspection
Inspection results reminder letter	90 days after inspection results letter (when required)
Warning letter	120 days after inspection results letter (when required)
Notice of Violation	150 days after inspection results letter (when required)

Dear Property Owner:

Portsmouth is a water city. Our waterways and our strategic location at the mouth of the Chesapeake Bay are woven into the fabric of our history and our identity. To protect, restore, and maintain our waterways, the City of Portsmouth is responsible for managing stormwater runoff... but we need **YOUR HELP!**

More than half of the City's "stormwater management facilities" (such as rain gardens, swales, wetlands, and ponds) are on private property, including **YOURS**. Properly maintaining your stormwater management facility is critical to the successful implementation of the City's stormwater management program (and is required as part of our national stormwater permit.) **With your help, we can reduce flooding and continue to protect our local waters and the Chesapeake Bay.**

We are sending you this information packet to help you understand our stormwater program, what it means to own a private stormwater facility, and what your roles and responsibilities are in maintaining it. We have developed the following materials to help you:

- Inspection and Maintenance Checklist
- Inspection and Maintenance Log

As part of our new federal stormwater permit, the City is required to inspect your stormwater facility at least once every five years to ensure it is functioning properly. We will contact you by mail before performing the inspection. Between inspection years, it will be YOUR responsibility to perform routine maintenance and annual inspections of the facility. The enclosed Inspection and Maintenance Checklist will guide you through this process. Once performed, you should log your findings onto the Inspection and Maintenance Log and keep it in a safe place.

Our trained staff at the Department of Public Works Stormwater Management Division are available to help you. Feel free to contact us at 757-393-8666 with any questions or concerns you may have regarding your role as a private stormwater management facility owner. If you think you have received this letter in error and do not own a stormwater management facility, please contact us. To learn more about our stormwater management maintenance program, please visit our website at <http://www.portsmouthva.gov/397/Stormwater-Management>.

Thanks for your help in reducing flooding and protecting Portsmouth's waterways!

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What's the Problem?

Stormwater running across roofs, roads, and parking lots picks up pollutants like fertilizers, motor oil, trash, and animal waste on its way to the storm drain or drainage inlet. All this "stuff" then flows, untreated, directly into the closest waterway, such as the Elizabeth River. What's more, "big stuff" like trash, leaves, and grass clippings, clogs up the storm drains and contributes to flooding.

What Can I Do?

Maintaining your own stormwater facility will help reduce the amount of stormwater runoff (which helps with flooding) and improve the quality of water stormwater runoff (which helps improve water quality in our local waterways.)

Why Do I Have a Stormwater Management Facility?

Your property likely has a private stormwater management facility because it was constructed as a condition for developing the site. When it was constructed, a legal agreement was signed with the City to make sure it is maintained and continues to function properly. This agreement conveys with the sale of the land and becomes part of the deed. *Therefore, in accordance with City ordinance, anyone who owns the property is legally responsible for upkeep of the stormwater management facility.*

What Do I Need to Do?

Specific maintenance depends on what kind of stormwater management facility you own. However, in most cases, homeowners can do the maintenance and any necessary repairs on their own, without specific knowledge or skills. Maintenance is often a simple matter of removing weeds or replanting vegetation in accordance with the original plans. Just like changing the oil in your car, *routine maintenance of your stormwater management facility can avoid problems and prevent larger and possibly more expensive maintenance or repairs in the future.*

Dear Property Owner:

Welcome to Portsmouth! Portsmouth is a water city. Our waterways and our strategic location at the mouth of the Chesapeake Bay are woven into the fabric of our history and our identity. To protect, restore, and maintain our waterways, the City of Portsmouth is responsible for managing stormwater runoff... but we need **YOUR HELP!**

More than half of the City's "stormwater management facilities" (such as rain gardens, swales, wetlands, and ponds) are on private property. **Our records show that you have a stormwater management facility on your property.** Properly maintaining your stormwater management facility is critical to the successful implementation of the City's stormwater management program (and is required as part of our national stormwater permit.) **With your help, we can reduce flooding and continue to protect our local waters and the Chesapeake Bay.**

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This letter is to inform you that the City needs to inspect your stormwater facility. As part of our federal stormwater permit, we are required to inspect your stormwater facility at least once every five years to ensure it is functioning properly.

The enclosed Inspection and Maintenance Checklist will help you know what we will be looking for. It is the same checklist you have received previously with reminders to do your own annual inspection, and is meant to help guide you through the process. The checklist that our staff use is a more technical version of this one; it can be found on our website at <http://www.portsmouthva.gov/397/Stormwater-Management>. The enclosed brochure will help you know what to expect during the inspection process.

We would like to inspect your facility within the next two weeks. You do NOT need to be present for the inspection, but if you would like to be, or you have any concerns about our accessing your facility, please contact us. Our trained staff at the Department of Public Works Stormwater Management Division are available to help you. Feel free to contact us at 757-393-8666 with any questions or concerns you may have regarding your role as a private stormwater management facility owner. If you think you have received this letter in error and do not own a stormwater management facility, please contact us. To learn more about our stormwater management maintenance program, please visit our website at <http://www.portsmouthva.gov/397/Stormwater-Management>.

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As you are aware, City of Portsmouth staff recently inspected the private stormwater management facility on your property. The purpose of this letter is to provide you with the results of that inspection.

How to Read Your Inspection Report

The City used a checklist to inspect your private stormwater management facility. Here are the results of your inspection:

- NO DEFICIENCIES** were noted during the assessment
- There are **RECOMMENDED ACTIONS** to ensure your stormwater management facility continues to function properly
- There are **REQUIRED ACTIONS** you need to take to restore your stormwater management facility to proper functionality

Additional notes on the inspection form will tell you what maintenance or repairs need to be made if there are recommended or required actions to be done at this time.

What You Need to Do NOW

If there are **NO DEFICIENCIES**, you do not need to do anything at this time. We will update our records and close the inspection file until the next time to inspect.

If there are **RECOMMENDED ACTIONS**, we ask that a responsible party perform the recommended maintenance to ensure the stormwater management facility continues to perform properly. You may be able to do the work yourself, or you may need to hire a contractor. We will close the inspection file for the inspection cycle and will not enforce the results of the inspection. However, please be aware that failure to maintain the stormwater facility now, while it is working but needs some maintenance, can result in costly repairs later. When you complete the recommended maintenance, please notify us so we can update our records accordingly.

If there are **REQUIRED ACTIONS**, you have 90 days (by _____) to either make the required repairs or to contact us to develop a plan of action. The enclosed inspection report includes information to help you understand what you need to do to make your stormwater management facility function properly again. Once we receive your response showing completion of the required maintenance or repair actions, we will close the City's records on your facility for this inspection cycle. **In accordance with City ordinance, anyone who owns the property is legally responsible for upkeep of the stormwater management facility.**

What You Need to Do NEXT

Between inspection years, it is YOUR responsibility to perform routine maintenance and annual inspections of the facility. Please continue to use the Inspection and Maintenance Checklist to guide you through this process, log your findings on the Inspection and Maintenance Log, and keep it in a safe place. Annual maintenance will help you avoid bigger and potentially more costly repairs or maintenance in the future.

Contact Us

Please contact us with any questions or concerns you may have regarding the inspection of your stormwater management facility at 757-393-8666. Maintenance of your private stormwater management facility is your responsibility as a property owner. It is critical to helping prevent flooding and protect the water quality of our local waterways and the Chesapeake Bay.

Thanks for your help in reducing flooding and protecting Portsmouth's waterways!

As you are aware, City of Portsmouth staff recently inspected the private stormwater management facility on your property and identified **REQUIRED ACTIONS** you need to take to restore your stormwater management facility to proper functionality. Properly maintaining and repairing your stormwater management facility is your responsibility as a property owner.

As a reminder, you were given 90 DAYS to either make the required repairs or to contact us to develop a plan of action. We have not yet heard from you. **Please contact us at 757-393-8666 immediately to discuss how and when the required actions will be completed.** If you are unsure of how to address the deficiencies, we can work with you to develop a plan of action.

The enclosed inspection report, which you received with the original notification of inspection, includes information to help you understand what you need to do to make your stormwater management facility function properly again.

Once we receive your response showing completion of the required maintenance or repair actions, we will close the City's records on your facility for this inspection cycle. You should continue to do your own annual maintenance and keep an inspection log, as most maintenance needs are ongoing to ensure the stormwater management facility continues to work properly.

If we do not hear from you within the next 30 days to report that you have made the required repairs or to develop a plan of action – you will be in violation of the City's stormwater ordinance.

Contact Us

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You were given 90 DAYS to either make the required repairs or to contact us to develop a plan of action. After the 90 days had passed, we sent you a reminder letter and asking you to contact us. Another 30 days have passed, and we still have not yet heard from you! **Please contact us at 757-393-8666 immediately to discuss how and when the required actions will be completed.** If you are unsure of how to address the deficiencies, we can work with you to develop a plan of action.

The enclosed inspection report, which you received with the original notification of inspection, includes information to help you understand what you need to do to make your stormwater management facility function properly again.

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If we do not hear from you immediately, you will be in violation of the City's stormwater ordinance.

This is your final warning letter.

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You were given 90 DAYS to either make the required repairs or to contact us to develop a plan of action. After the 90 days had passed, we sent you a reminder letter and asking you to contact us. After another 30 days had passed, we sent you a final reminder.

You have failed to respond to the original notice of inspection, the 90-day notice, and the 120-day final notice.

You are now in violation of City of Portsmouth stormwater ordinance.

The City will now perform the required maintenance or repair, and you will be charged for the cost of the maintenance and repair as well as a penalty fee.

The enclosed inspection report, which you received with the original notification of inspection, includes information to help you understand what you were **REQUIRED** to do to make your stormwater management facility function properly again. You may contact us at 757-393-8666 to discuss this violation and payment. **Note, however, that you can no longer avoid paying for this violation.**

As the owner of a private stormwater management facility, you are required to maintain and repair your private stormwater management facility. Proper maintenance and repair is critical to help prevent flooding and protect the water quality of our local waterways and the Chesapeake Bay, and is part of our federal stormwater permit.

To avoid future problems, please complete annual inspections of your stormwater maintenance facility, and comply with notifications you receive when the City conducts its inspection once every five years. Annual maintenance will help you avoid bigger and potentially more costly repairs or maintenance in the future, as well as the associated costs and fees of having the City repair your stormwater maintenance facility.